



Make Green For the Better

De-SOx SYSTEM
PaSOx™

REPORT

Date: 2021/04/20 ~ 2021/04/23

Maker: PANASIA

Hull No.: SC271

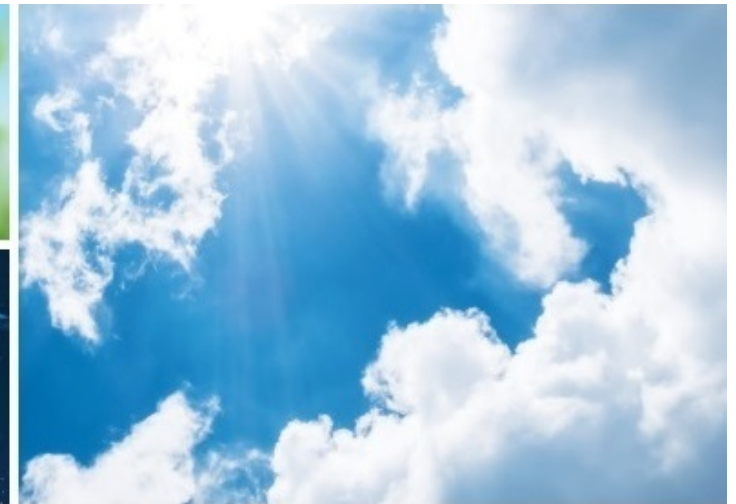
IMO No.: 9764087

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2. Status Data

3. Sampling Data (1 Minute Cycle)



1. Alarm Data (0 EA)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0	Hull No. : SC271
DATE	TIME	STATUS	MSG

2. Status Data

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0	Hull No. : SC271
DATE	TIME	STATUS	MSG

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	00:00:48	S	3339.06	W	1819.79	8.7	4.7	1.8	50.1	56.2	-0.2	-0.4	322.3	8.19	98.0
04.20.2021	00:01:48	S	3339.07	W	1819.6	7.3	4.7	1.5	49.8	56.8	-0.0	-0.3	321.1	8.22	98.0
04.20.2021	00:02:48	S	3339.1	W	1819.29	7.5	4.7	1.6	50.1	56.2	-0.0	-0.2	322.6	8.22	98.0
04.20.2021	00:03:48	S	3339.11	W	1819.06	7.3	4.7	1.5	50.9	56.8	0.1	-0.2	320.9	8.22	98.0
04.20.2021	00:04:48	S	3339.13	W	1818.81	6.8	4.7	1.4	50.5	56.6	-0.0	-0.3	321.7	8.22	98.0
04.20.2021	00:05:48	S	3339.14	W	1818.56	8.0	4.7	1.7	51.6	56.0	-0.1	-0.3	317.9	8.19	98.0
04.20.2021	00:06:48	S	3339.16	W	1818.34	6.1	4.7	1.2	50.8	55.9	0.0	-0.2	319.9	8.22	98.0
04.20.2021	00:07:48	S	3339.18	W	1818.11	10.5	4.7	2.2	50.3	55.5	0.0	-0.2	316.3	8.22	98.0
04.20.2021	00:08:48	S	3339.2	W	1817.82	3.5	4.7	0.7	52.0	63.0	-0.1	-0.3	319.4	8.19	98.0
04.20.2021	00:09:48	S	3339.21	W	1817.62	11.7	4.7	2.4	51.0	62.6	-0.1	-0.2	314.0	8.19	98.0
04.20.2021	00:10:42	S	3339.23	W	1817.32	3.8	4.8	0.8	51.6	62.5	-0.1	-0.3	315.9	8.22	98.0
04.20.2021	00:11:42	S	3339.25	W	1817.09	11.9	4.8	2.5	50.3	62.9	-0.1	-0.3	318.4	8.19	98.0
04.20.2021	00:12:42	S	3339.27	W	1816.83	5.0	4.7	1.0	51.9	62.4	-0.1	-0.4	316.1	8.19	98.0
04.20.2021	00:13:42	S	3339.29	W	1816.59	9.9	4.7	2.1	50.6	62.2	-0.0	-0.2	318.7	8.19	98.0
04.20.2021	00:14:42	S	3339.31	W	1816.39	6.4	4.7	1.3	49.8	62.1	-0.0	-0.3	320.1	8.22	98.0
04.20.2021	00:15:42	S	3339.33	W	1816.12	5.3	4.8	1.1	49.1	63.7	-0.1	-0.4	322.4	8.22	98.0
04.20.2021	00:16:42	S	3339.35	W	1815.83	8.7	4.7	1.8	49.9	62.9	-0.1	-0.3	321.8	8.19	98.0
04.20.2021	00:17:42	S	3339.36	W	1815.62	6.2	4.7	1.2	51.1	64.4	-0.1	-0.3	322.5	8.19	98.0
04.20.2021	00:18:42	S	3339.37	W	1815.37	9.4	4.8	1.9	49.0	63.5	0.0	-0.2	322.4	8.19	98.0
04.20.2021	00:19:42	S	3339.38	W	1815.11	3.6	4.8	0.7	50.6	63.4	0.0	-0.2	322.2	8.22	98.0
04.20.2021	00:20:45	S	3339.4	W	1814.86	11.7	4.7	2.4	49.7	63.4	-0.1	-0.3	321.5	8.19	98.0
04.20.2021	00:21:45	S	3339.41	W	1814.64	4.1	4.8	0.8	49.7	63.4	0.0	-0.2	320.4	8.19	98.0
04.20.2021	00:22:45	S	3339.42	W	1814.38	10.8	4.7	2.3	48.4	63.5	-0.0	-0.3	318.7	8.22	98.0
04.20.2021	00:23:45	S	3339.43	W	1814.14	2.0	4.7	0.4	49.3	63.6	-0.1	-0.3	318.9	8.22	98.0
04.20.2021	00:24:45	S	3339.42	W	1813.89	12.5	4.8	2.6	50.0	56.3	-0.0	-0.2	318.9	8.22	98.0
04.20.2021	00:25:45	S	3339.42	W	1813.68	1.4	4.8	0.3	49.9	56.9	-0.1	-0.3	317.1	8.22	98.0
04.20.2021	00:26:45	S	3339.42	W	1813.39	11.2	4.8	2.3	51.1	56.8	-0.0	-0.3	316.0	8.22	98.0
04.20.2021	00:27:45	S	3339.42	W	1813.18	2.6	4.7	0.5	50.5	56.6	0.1	-0.2	316.9	8.21	98.0
04.20.2021	00:28:45	S	3339.43	W	1812.94	11.0	4.7	2.3	49.6	56.3	0.0	-0.3	319.4	8.22	98.5
04.20.2021	00:29:45	S	3339.43	W	1812.71	1.6	4.7	0.3	50.0	55.5	-0.0	-0.2	320.1	8.19	98.5
04.20.2021	00:30:50	S	3339.43	W	1812.42	14.3	4.7	3.0	50.6	55.5	-0.1	-0.4	321.1	8.19	98.5
04.20.2021	00:31:50	S	3339.43	W	1812.2	2.8	4.8	0.6	50.0	55.8	-0.0	-0.3	322.2	8.22	98.5
04.20.2021	00:32:50	S	3339.43	W	1811.98	8.8	4.7	1.9	50.8	55.5	-0.1	-0.4	322.6	8.19	98.5
04.20.2021	00:33:50	S	3339.44	W	1811.7	5.9	4.8	1.2	49.8	55.5	-0.0	-0.2	322.1	8.19	98.5
04.20.2021	00:34:50	S	3339.44	W	1811.47	6.0	4.8	1.2	50.4	55.5	-0.0	-0.3	322.1	8.22	98.5
04.20.2021	00:35:50	S	3339.44	W	1811.24	9.1	4.8	1.8	51.3	55.9	-0.2	-0.4	322.2	8.19	98.5
04.20.2021	00:36:50	S	3339.44	W	1811	5.9	4.8	1.2	50.2	57.6	-0.1	-0.4	319.2	8.20	98.6
04.20.2021	00:37:50	S	3339.44	W	1810.72	11.4	4.8	2.4	50.2	57.8	-0.1	-0.3	321.1	8.19	98.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	00:38:50	S	3339.44	W	1810.5	4.1	4.8	0.8	51.2	58.3	-0.0	-0.3	318.4	8.22	98.5
04.20.2021	00:39:50	S	3339.44	W	1810.26	12.2	4.8	2.5	49.9	58.9	-0.0	-0.3	318.1	8.22	98.5
04.20.2021	00:40:43	S	3339.44	W	1810.04	2.9	4.8	0.6	50.8	58.0	-0.1	-0.3	314.4	8.19	98.7
04.20.2021	00:41:43	S	3339.44	W	1809.8	13.6	4.8	2.8	50.5	55.9	-0.1	-0.3	314.2	8.22	98.5
04.20.2021	00:42:43	S	3339.44	W	1809.54	2.1	4.8	0.4	51.4	55.6	-0.1	-0.3	313.5	8.19	98.7
04.20.2021	00:43:43	S	3339.44	W	1809.31	13.4	4.8	2.8	51.3	55.6	-0.0	-0.3	313.3	8.22	98.5
04.20.2021	00:44:43	S	3339.44	W	1809.05	3.0	4.8	0.6	49.2	55.2	-0.1	-0.3	312.9	8.23	98.9
04.20.2021	00:45:43	S	3339.44	W	1808.83	8.8	4.7	1.9	50.3	55.2	-0.1	-0.3	322.0	8.22	98.5
04.20.2021	00:46:43	S	3339.44	W	1808.54	3.7	4.8	0.7	51.9	55.6	-0.1	-0.3	321.2	8.22	98.5
04.20.2021	00:47:43	S	3339.44	W	1808.3	11.7	4.8	2.4	52.4	56.8	-0.0	-0.2	322.9	8.22	98.5
04.20.2021	00:48:43	S	3339.45	W	1808.06	1.8	4.8	0.4	51.5	56.1	-0.1	-0.4	321.5	8.22	98.5
04.20.2021	00:49:43	S	3339.46	W	1807.84	8.0	4.8	1.6	51.7	55.9	-0.0	-0.3	322.6	8.22	98.5
04.20.2021	00:50:42	S	3339.49	W	1807.6	11.0	4.7	2.3	50.0	56.2	0.0	-0.2	321.4	8.22	98.5
04.20.2021	00:51:42	S	3339.5	W	1807.33	3.6	4.7	0.7	49.4	55.8	-0.1	-0.3	322.5	8.19	98.5
04.20.2021	00:52:42	S	3339.52	W	1807.11	12.6	4.7	2.6	51.4	55.8	0.1	-0.2	320.8	8.22	98.5
04.20.2021	00:53:42	S	3339.53	W	1806.84	3.8	4.7	0.8	49.9	57.4	-0.1	-0.3	321.3	8.22	98.5
04.20.2021	00:54:42	S	3339.54	W	1806.62	11.1	4.7	2.3	50.3	65.4	-0.0	-0.3	318.4	8.22	98.5
04.20.2021	00:55:42	S	3339.55	W	1806.37	3.4	4.8	0.7	51.0	65.7	-0.1	-0.3	318.3	8.22	98.5
04.20.2021	00:56:42	S	3339.57	W	1806.12	10.4	4.8	2.1	49.9	63.1	-0.1	-0.4	315.2	8.22	98.5
04.20.2021	00:57:42	S	3339.58	W	1805.88	4.1	4.7	0.8	50.2	62.9	-0.0	-0.2	318.1	8.22	98.5
04.20.2021	00:58:42	S	3339.6	W	1805.63	9.8	4.7	2.1	50.2	62.9	-0.1	-0.4	313.0	8.22	98.5
04.20.2021	00:59:42	S	3339.61	W	1805.43	7.4	4.7	1.5	49.7	63.4	-0.1	-0.3	316.7	8.22	98.5
04.20.2021	01:00:49	S	3339.63	W	1805.14	8.1	4.7	1.7	49.4	62.4	-0.0	-0.3	319.6	8.22	98.5
04.20.2021	01:01:49	S	3339.64	W	1804.92	6.8	4.8	1.4	50.5	62.9	0.0	-0.2	318.9	8.22	98.5
04.20.2021	01:02:49	S	3339.65	W	1804.65	6.6	4.8	1.3	50.5	62.9	0.0	-0.3	323.7	8.22	98.5
04.20.2021	01:03:49	S	3339.67	W	1804.44	10.1	4.8	2.0	51.3	63.3	0.0	-0.2	322.5	8.19	98.5
04.20.2021	01:04:49	S	3339.68	W	1804.18	2.8	4.8	0.6	50.2	63.5	-0.0	-0.3	321.7	8.22	98.5
04.20.2021	01:05:49	S	3339.7	W	1803.95	11.9	4.7	2.5	50.9	63.9	0.0	-0.2	321.6	8.19	98.5
04.20.2021	01:06:49	S	3339.71	W	1803.71	1.6	4.7	0.3	51.0	63.8	0.0	-0.2	321.1	8.22	98.5
04.20.2021	01:07:49	S	3339.73	W	1803.49	11.7	4.7	2.4	52.2	63.2	-0.2	-0.4	320.7	8.19	98.0
04.20.2021	01:08:49	S	3339.75	W	1803.22	3.8	4.8	0.8	51.3	64.1	0.0	-0.2	321.8	8.22	98.0
04.20.2021	01:09:49	S	3339.76	W	1802.98	11.6	4.8	2.4	49.8	56.4	-0.1	-0.3	322.3	8.22	98.0
04.20.2021	01:10:42	S	3339.78	W	1802.75	1.5	4.8	0.3	51.6	56.2	-0.1	-0.4	320.7	8.22	98.0
04.20.2021	01:11:42	S	3339.8	W	1802.51	12.7	4.8	2.6	50.6	56.8	-0.0	-0.3	317.9	8.19	98.0
04.20.2021	01:12:42	S	3339.82	W	1802.24	2.7	4.7	0.5	49.8	55.5	-0.1	-0.3	318.2	8.19	98.0
04.20.2021	01:13:42	S	3339.84	W	1802.02	11.2	4.7	2.3	50.7	55.4	-0.1	-0.3	317.5	8.19	98.0
04.20.2021	01:14:42	S	3339.86	W	1801.73	6.0	4.7	1.2	50.5	57.5	0.0	-0.3	314.9	8.19	98.0
04.20.2021	01:15:42	S	3339.87	W	1801.53	9.0	4.7	1.9	50.2	59.5	-0.1	-0.3	314.9	8.19	98.0

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	01:16:42	S	3339.89	W	1801.26	6.4	4.7	1.3	50.1	58.9	-0.1	-0.3	321.2	8.19	98.0
04.20.2021	01:17:42	S	3339.91	W	1801.03	7.1	4.7	1.5	49.9	59.0	-0.1	-0.3	321.3	8.19	98.0
04.20.2021	01:18:42	S	3339.93	W	1800.76	9.0	4.8	1.8	50.8	59.5	0.0	-0.2	321.9	8.22	98.0
04.20.2021	01:19:42	S	3339.95	W	1800.55	4.1	4.7	0.8	50.1	59.7	0.0	-0.2	322.2	8.19	98.0
04.20.2021	01:20:42	S	3339.97	W	1800.31	11.4	4.7	2.4	49.9	61.3	0.0	-0.2	321.5	8.19	98.0
04.20.2021	01:21:42	S	3339.98	W	1800.05	2.9	4.7	0.6	50.3	61.1	-0.2	-0.3	321.0	8.21	98.3
04.20.2021	01:22:42	S	3340	W	1759.81	11.7	4.8	2.4	48.9	60.9	-0.0	-0.2	322.2	8.22	98.2
04.20.2021	01:23:42	S	3340.01	W	1759.53	3.0	4.7	0.6	49.7	61.0	-0.0	-0.2	321.4	8.19	98.0
04.20.2021	01:24:42	S	3340.02	W	1759.29	12.1	4.8	2.5	51.9	60.3	0.0	-0.3	321.6	8.22	98.0
04.20.2021	01:25:42	S	3340.03	W	1759.08	2.0	4.8	0.4	52.4	60.3	0.0	-0.2	319.6	8.19	98.0
04.20.2021	01:26:42	S	3340.04	W	1758.81	11.1	4.8	2.2	50.1	60.0	-0.1	-0.3	320.2	8.22	98.2
04.20.2021	01:27:42	S	3340.06	W	1758.59	1.9	4.7	0.4	52.0	60.5	0.0	-0.2	315.9	8.19	98.0
04.20.2021	01:28:42	S	3340.07	W	1758.37	13.0	4.7	2.7	49.7	59.4	-0.0	-0.3	317.2	8.19	98.0
04.20.2021	01:29:42	S	3340.08	W	1758.12	1.7	4.7	0.3	51.3	59.5	-0.1	-0.3	313.7	8.19	98.0
04.20.2021	01:30:42	S	3340.09	W	1757.86	12.6	4.7	2.6	49.8	59.7	-0.1	-0.4	313.2	8.19	98.0
04.20.2021	01:31:42	S	3340.11	W	1757.6	2.7	4.7	0.5	49.9	59.3	-0.0	-0.2	314.8	8.19	98.0
04.20.2021	01:32:42	S	3340.12	W	1757.35	13.6	4.7	2.8	50.6	59.2	-0.0	-0.3	321.8	8.19	98.0
04.20.2021	01:33:42	S	3340.13	W	1757.13	4.1	4.8	0.8	50.7	59.1	-0.1	-0.3	320.6	8.22	98.0
04.20.2021	01:34:42	S	3340.14	W	1756.88	8.1	4.7	1.7	50.0	59.6	0.0	-0.2	322.0	8.19	98.0
04.20.2021	01:35:42	S	3340.15	W	1756.67	7.7	4.7	1.6	50.0	59.9	0.1	-0.1	323.4	8.19	98.0
04.20.2021	01:36:42	S	3340.16	W	1756.41	6.7	4.7	1.4	49.4	62.0	0.0	-0.2	323.0	8.22	98.0
04.20.2021	01:37:42	S	3340.17	W	1756.14	9.8	4.7	2.1	51.1	62.6	0.0	-0.1	322.4	8.15	98.0
04.20.2021	01:38:42	S	3340.18	W	1755.92	5.0	4.8	1.0	50.2	62.1	0.0	-0.1	322.4	8.19	98.0
04.20.2021	01:39:42	S	3340.19	W	1755.68	11.8	4.8	2.4	49.0	61.9	-0.1	-0.3	320.1	8.22	98.0
04.20.2021	01:40:42	S	3340.2	W	1755.42	4.0	4.7	0.8	49.6	62.3	-0.2	-0.4	321.6	8.22	98.0
04.20.2021	01:41:42	S	3340.2	W	1755.16	13.8	4.8	2.9	50.1	61.3	0.0	-0.2	318.7	8.22	98.0
04.20.2021	01:42:42	S	3340.2	W	1755.04	1.4	4.8	0.3	52.0	61.8	-0.1	-0.4	318.7	8.19	98.0
04.20.2021	01:43:42	S	3340.2	W	1755.04	10.9	4.8	2.2	49.2	67.9	-0.1	-0.3	316.1	8.19	98.0
04.20.2021	01:44:42	S	3340.23	W	1754.44	4.2	4.8	0.8	49.9	68.0	0.0	-0.2	317.6	8.19	98.0
04.20.2021	01:45:42	S	3340.24	W	1754.23	10.8	4.8	2.2	50.2	63.9	-0.2	-0.5	313.6	8.19	98.0
04.20.2021	01:46:42	S	3340.25	W	1753.97	4.7	4.8	0.9	48.6	64.1	-0.1	-0.4	316.5	8.22	98.0
04.20.2021	01:47:42	S	3340.26	W	1753.73	9.1	4.8	1.8	51.3	64.8	0.1	-0.2	316.5	8.20	98.4
04.20.2021	01:48:42	S	3340.27	W	1753.46	4.9	4.8	1.0	50.5	65.3	-0.1	-0.4	321.3	8.19	98.0
04.20.2021	01:49:42	S	3340.27	W	1753.24	9.1	4.8	1.8	50.1	65.1	-0.0	-0.2	321.8	8.15	98.0
04.20.2021	01:50:51	S	3340.28	W	1752.99	6.4	4.8	1.3	50.3	65.5	-0.0	-0.3	321.9	8.22	98.0
04.20.2021	01:51:51	S	3340.29	W	1752.72	10.2	4.8	2.0	51.1	65.3	0.1	-0.1	322.9	8.22	98.0
04.20.2021	01:52:51	S	3340.29	W	1752.5	6.4	4.7	1.3	50.0	65.0	-0.1	-0.4	322.1	8.20	98.4
04.20.2021	01:53:51	S	3340.3	W	1752.27	6.5	4.7	1.3	51.3	67.7	0.0	-0.2	321.6	8.22	98.0

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0				Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	01:54:51	S	3340.31	W	1752.01	10.4	4.7	2.2	49.1	65.2	-0.1	-0.4	321.5	8.22	98.0
04.20.2021	01:55:51	S	3340.31	W	1751.75	5.0	4.7	1.0	50.7	65.2	-0.0	-0.3	321.1	8.19	98.0
04.20.2021	01:56:51	S	3340.31	W	1751.54	9.0	4.8	1.8	51.7	65.2	-0.1	-0.2	321.1	8.20	98.4
04.20.2021	01:57:51	S	3340.31	W	1751.28	4.5	4.8	0.9	51.8	66.5	-0.0	-0.2	319.4	8.15	98.0
04.20.2021	01:58:51	S	3340.32	W	1751.03	11.6	4.7	2.4	51.2	63.9	0.0	-0.2	321.2	8.20	98.1
04.20.2021	01:59:51	S	3340.32	W	1750.76	3.5	4.7	0.7	50.7	55.5	-0.1	-0.3	318.8	8.19	98.0
04.20.2021	02:00:49	S	3340.32	W	1750.51	12.5	4.7	2.6	51.6	55.5	0.1	-0.2	317.4	8.15	98.0
04.20.2021	02:01:49	S	3340.33	W	1750.27	4.3	4.7	0.9	51.1	55.2	-0.1	-0.4	316.4	8.22	98.0
04.20.2021	02:02:49	S	3340.33	W	1750.06	9.3	4.7	2.0	51.1	55.3	-0.1	-0.3	315.7	8.19	98.0
04.20.2021	02:03:49	S	3340.33	W	1750.03	7.4	4.8	1.5	51.1	55.0	0.0	-0.2	316.7	8.23	98.1
04.20.2021	02:04:49	S	3340.33	W	1749.54	7.6	4.8	1.5	52.1	55.4	0.0	-0.2	318.3	8.19	98.0
04.20.2021	02:05:49	S	3340.33	W	1749.26	7.5	4.7	1.5	50.3	55.1	-0.1	-0.3	320.3	8.22	98.0
04.20.2021	02:06:49	S	3340.33	W	1749.04	3.9	4.7	0.8	51.1	56.1	0.0	-0.2	321.3	8.22	98.0
04.20.2021	02:07:49	S	3340.33	W	1748.79	10.5	4.7	2.2	50.8	56.0	-0.1	-0.3	321.6	8.19	98.0
04.20.2021	02:08:49	S	3340.33	W	1748.56	2.5	4.7	0.5	51.8	56.1	-0.1	-0.3	322.3	8.22	98.0
04.20.2021	02:09:49	S	3340.34	W	1748.3	13.0	4.8	2.7	50.9	56.5	-0.0	-0.3	321.5	8.22	98.0
04.20.2021	02:10:47	S	3340.34	W	1748.05	3.0	4.8	0.6	50.0	56.2	-0.1	-0.3	322.7	8.22	98.0
04.20.2021	02:11:47	S	3340.34	W	1747.78	10.2	4.7	2.1	49.7	56.2	-0.1	-0.3	322.2	8.22	98.2
04.20.2021	02:12:47	S	3340.35	W	1747.54	5.1	4.7	1.0	48.7	56.4	-0.0	-0.3	320.0	8.19	98.0
04.20.2021	02:13:47	S	3340.35	W	1747.32	7.6	4.7	1.6	50.2	56.9	-0.1	-0.3	318.8	8.22	98.0
04.20.2021	02:14:47	S	3340.35	W	1747.09	7.5	4.8	1.5	51.5	57.0	-0.0	-0.3	318.6	8.19	98.0
04.20.2021	02:15:47	S	3340.35	W	1746.92	7.8	4.8	1.6	50.3	57.4	-0.0	-0.2	315.7	8.19	98.0
04.20.2021	02:16:47	S	3340.35	W	1746.92	7.1	4.8	1.4	51.4	57.5	-0.0	-0.3	314.9	8.19	98.0
04.20.2021	02:17:47	S	3340.36	W	1746.32	5.8	4.7	1.2	49.5	57.2	-0.1	-0.3	316.3	8.22	98.0
04.20.2021	02:18:47	S	3340.37	W	1746.11	9.7	4.7	2.0	50.1	56.9	-0.0	-0.2	314.4	8.19	98.0
04.20.2021	02:19:47	S	3340.37	W	1745.87	4.8	4.8	1.0	49.6	55.6	-0.1	-0.3	316.0	8.22	98.0
04.20.2021	02:20:43	S	3340.37	W	1745.58	10.7	4.8	2.1	49.8	55.4	-0.0	-0.2	317.5	8.22	98.2
04.20.2021	02:21:43	S	3340.38	W	1745.35	3.3	4.8	0.7	50.1	55.2	-0.1	-0.3	321.3	8.22	98.2
04.20.2021	02:22:43	S	3340.38	W	1745.12	8.8	4.8	1.8	50.3	55.5	-0.1	-0.3	322.5	8.22	98.0
04.20.2021	02:23:43	S	3340.38	W	1744.87	3.4	4.7	0.7	49.6	55.6	-0.0	-0.3	322.0	8.22	98.0
04.20.2021	02:24:43	S	3340.38	W	1744.61	12.5	4.7	2.6	51.4	56.6	-0.0	-0.3	321.6	8.19	98.0
04.20.2021	02:25:43	S	3340.38	W	1744.39	3.7	4.7	0.7	49.5	55.8	-0.0	-0.3	321.8	8.23	98.1
04.20.2021	02:26:43	S	3340.38	W	1744.15	9.5	4.8	1.9	51.0	56.0	-0.1	-0.3	320.2	8.20	98.4
04.20.2021	02:27:43	S	3340.38	W	1743.89	5.6	4.7	1.1	49.9	56.2	-0.1	-0.4	321.4	8.22	98.0
04.20.2021	02:28:43	S	3340.38	W	1743.65	9.0	4.7	1.9	51.3	56.2	0.0	-0.2	319.0	8.22	98.0
04.20.2021	02:29:43	S	3340.37	W	1743.41	5.8	4.7	1.2	50.5	56.2	-0.1	-0.3	319.7	8.22	98.0
04.20.2021	02:30:44	S	3340.37	W	1743.16	7.0	4.8	1.4	49.5	56.0	0.1	-0.2	316.2	8.19	98.0
04.20.2021	02:31:44	S	3340.37	W	1742.93	9.0	4.7	1.9	51.9	56.7	0.0	-0.3	319.9	8.19	98.0

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	02:32:44	S	3340.38	W	1742.66	4.8	4.7	1.0	51.1	56.9	0.0	-0.2	313.5	8.22	98.0	
04.20.2021	02:33:44	S	3340.38	W	1742.45	13.0	4.8	2.7	51.1	63.5	0.0	-0.2	316.6	8.19	98.0	
04.20.2021	02:34:44	S	3340.39	W	1742.18	5.0	4.7	1.0	48.7	62.4	-0.1	-0.3	313.2	8.22	98.0	
04.20.2021	02:35:44	S	3340.4	W	1741.95	10.1	4.7	2.1	51.0	62.7	-0.1	-0.3	318.4	8.19	98.0	
04.20.2021	02:36:44	S	3340.4	W	1741.67	3.5	4.8	0.7	52.8	62.2	-0.1	-0.3	320.4	8.22	98.2	
04.20.2021	02:37:44	S	3340.42	W	1741.46	9.8	4.8	2.0	51.4	62.8	-0.0	-0.2	321.2	8.22	98.0	
04.20.2021	02:38:44	S	3340.44	W	1741.22	9.8	4.8	2.0	48.6	63.4	-0.0	-0.3	321.9	8.22	98.0	
04.20.2021	02:39:44	S	3340.47	W	1740.97	6.1	4.7	1.3	49.0	65.9	-0.1	-0.3	321.6	8.19	98.0	
04.20.2021	02:40:44	S	3340.49	W	1740.72	9.8	4.7	2.1	51.3	65.7	-0.0	-0.3	322.0	8.19	98.0	
04.20.2021	02:41:44	S	3340.5	W	1740.46	5.0	4.8	1.0	50.7	65.9	-0.1	-0.4	321.9	8.19	98.0	
04.20.2021	02:42:44	S	3340.52	W	1740.25	10.2	4.8	2.0	52.0	65.9	-0.0	-0.2	320.9	8.22	98.0	
04.20.2021	02:43:44	S	3340.54	W	1740	4.4	4.8	0.9	51.3	66.4	-0.0	-0.3	321.6	8.22	98.0	
04.20.2021	02:44:44	S	3340.55	W	1739.79	10.0	4.8	2.0	49.9	64.3	0.0	-0.2	321.0	8.22	98.0	
04.20.2021	02:45:44	S	3340.57	W	1739.51	4.5	4.8	0.9	51.4	64.2	-0.0	-0.2	321.0	8.19	98.0	
04.20.2021	02:46:44	S	3340.58	W	1739.28	9.8	4.8	2.0	50.9	63.2	0.0	-0.2	318.5	8.20	98.1	
04.20.2021	02:47:44	S	3340.6	W	1739.01	4.9	4.7	1.0	51.3	64.0	-0.1	-0.3	317.2	8.24	98.4	
04.20.2021	02:48:44	S	3340.62	W	1738.79	7.0	4.7	1.4	49.4	55.8	0.0	-0.3	315.3	8.22	98.0	
04.20.2021	02:49:44	S	3340.64	W	1738.53	8.4	4.7	1.8	49.3	55.5	0.0	-0.2	315.8	8.22	98.0	
04.20.2021	02:50:46	S	3340.65	W	1738.28	4.5	4.7	0.9	49.9	55.5	-0.0	-0.3	314.9	8.22	98.0	
04.20.2021	02:51:46	S	3340.67	W	1738.06	11.6	4.7	2.4	51.2	55.4	-0.1	-0.3	315.3	8.22	98.0	
04.20.2021	02:52:46	S	3340.69	W	1737.8	4.2	4.7	0.8	50.6	55.1	-0.1	-0.3	318.1	8.23	98.4	
04.20.2021	02:53:46	S	3340.71	W	1737.57	10.8	4.7	2.3	50.0	55.3	-0.2	-0.4	321.5	8.22	98.0	
04.20.2021	02:54:46	S	3340.73	W	1737.33	4.0	4.7	0.8	51.3	56.6	-0.1	-0.3	320.8	8.19	98.0	
04.20.2021	02:55:46	S	3340.75	W	1737.05	11.6	4.8	2.4	51.2	56.6	-0.1	-0.3	322.3	8.19	98.0	
04.20.2021	02:56:46	S	3340.76	W	1736.83	2.8	4.8	0.6	50.6	56.4	-0.0	-0.3	320.7	8.19	98.0	
04.20.2021	02:57:46	S	3340.79	W	1736.59	11.0	4.8	2.2	50.4	56.3	-0.1	-0.3	321.6	8.23	98.1	
04.20.2021	02:58:46	S	3340.81	W	1736.36	4.8	4.8	1.0	49.6	56.7	-0.1	-0.3	321.6	8.23	98.1	
04.20.2021	02:59:46	S	3340.84	W	1736.11	7.0	4.7	1.4	49.8	55.9	-0.1	-0.3	322.9	8.20	98.4	
04.20.2021	03:00:44	S	3340.87	W	1735.84	8.2	4.7	1.7	49.3	56.6	0.0	-0.2	322.2	8.24	98.0	
04.20.2021	03:01:44	S	3340.89	W	1735.6	6.1	4.7	1.2	50.0	55.9	0.0	-0.2	320.0	8.19	98.0	
04.20.2021	03:02:44	S	3340.9	W	1735.38	8.5	4.8	1.7	51.2	56.2	-0.1	-0.3	318.5	8.20	98.4	
04.20.2021	03:03:44	S	3340.92	W	1735.14	4.1	4.8	0.8	49.7	56.0	-0.1	-0.4	315.3	8.21	98.9	
04.20.2021	03:04:44	S	3340.94	W	1734.91	12.0	4.8	2.5	51.4	55.6	0.0	-0.3	317.1	8.23	98.4	
04.20.2021	03:05:44	S	3340.97	W	1734.66	2.7	4.7	0.5	50.5	55.4	0.0	-0.2	315.2	8.22	98.0	
04.20.2021	03:06:44	S	3340.99	W	1734.4	10.8	4.7	2.3	49.5	55.4	-0.1	-0.3	317.1	8.19	98.0	
04.20.2021	03:07:44	S	3341.01	W	1734.15	5.2	4.7	1.1	47.7	57.1	-0.1	-0.3	314.2	8.19	98.0	
04.20.2021	03:08:44	S	3341.02	W	1733.93	10.8	4.7	2.3	50.6	57.9	-0.0	-0.2	318.3	8.22	98.0	
04.20.2021	03:09:44	S	3341.03	W	1733.69	2.1	4.8	0.4	51.9	57.8	-0.1	-0.3	318.4	8.22	98.0	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	03:10:43	S	3341.03	W	1733.44	10.4	4.8	2.1	52.5	57.9	-0.1	-0.3	320.4	8.19	98.0	
04.20.2021	03:11:43	S	3341.04	W	1733.2	5.2	4.8	1.0	51.1	57.7	-0.1	-0.3	322.2	8.19	98.0	
04.20.2021	03:12:43	S	3341.06	W	1732.93	9.4	4.7	2.0	49.3	57.3	-0.1	-0.4	322.8	8.22	98.0	
04.20.2021	03:13:43	S	3341.07	W	1732.72	9.9	4.7	2.1	49.8	58.1	-0.0	-0.2	322.6	8.22	98.0	
04.20.2021	03:14:43	S	3341.09	W	1732.47	5.8	4.7	1.2	51.2	57.9	-0.0	-0.3	322.2	8.22	98.0	
04.20.2021	03:15:43	S	3341.09	W	1732.22	12.1	4.7	2.5	50.9	58.7	0.0	-0.2	319.5	8.22	98.0	
04.20.2021	03:16:43	S	3341.1	W	1732	5.6	4.7	1.1	50.8	57.9	-0.1	-0.3	322.3	8.19	98.0	
04.20.2021	03:17:43	S	3341.11	W	1731.74	11.8	4.7	2.5	50.2	58.5	0.0	-0.3	320.2	8.19	98.0	
04.20.2021	03:18:43	S	3341.12	W	1731.52	2.5	4.7	0.5	50.7	58.0	-0.1	-0.3	318.7	8.22	98.0	
04.20.2021	03:19:43	S	3341.13	W	1731.25	12.4	4.7	2.6	49.8	57.4	-0.1	-0.3	315.9	8.19	98.0	
04.20.2021	03:20:49	S	3341.14	W	1731.01	4.4	4.7	0.9	49.7	61.2	0.0	-0.2	320.1	8.22	98.0	
04.20.2021	03:21:49	S	3341.15	W	1730.77	9.9	4.7	2.1	49.6	60.7	-0.1	-0.3	314.4	8.22	98.0	
04.20.2021	03:22:49	S	3341.16	W	1730.5	5.9	4.8	1.2	50.1	68.2	-0.0	-0.3	319.4	8.22	98.0	
04.20.2021	03:23:49	S	3341.17	W	1730.26	7.0	4.8	1.4	49.8	67.1	-0.1	-0.3	318.8	8.19	98.0	
04.20.2021	03:24:49	S	3341.17	W	1730.04	6.5	4.7	1.4	51.3	67.6	-0.0	-0.3	320.2	8.22	98.0	
04.20.2021	03:25:49	S	3341.17	W	1729.77	6.2	4.8	1.2	50.0	66.6	-0.1	-0.3	320.4	8.22	98.0	
04.20.2021	03:26:49	S	3341.18	W	1729.55	11.0	4.8	2.2	50.3	67.5	-0.1	-0.3	322.6	8.19	98.0	
04.20.2021	03:27:49	S	3341.19	W	1729.26	4.4	4.8	0.9	50.8	68.1	-0.1	-0.3	323.1	8.19	98.0	
04.20.2021	03:28:49	S	3341.2	W	1729.03	11.6	4.7	2.4	49.9	67.3	-0.0	-0.2	321.0	8.19	98.0	
04.20.2021	03:29:49	S	3341.2	W	1728.82	2.7	4.7	0.5	49.7	67.3	-0.1	-0.3	323.0	8.19	98.0	
04.20.2021	03:30:41	S	3341.21	W	1728.55	12.0	4.8	2.5	50.0	67.2	-0.0	-0.3	321.9	8.19	98.0	
04.20.2021	03:31:41	S	3341.21	W	1728.3	4.0	4.7	0.8	50.7	69.3	0.0	-0.2	322.5	8.19	98.0	
04.20.2021	03:32:41	S	3341.21	W	1728.08	11.6	4.7	2.4	51.0	68.6	0.0	-0.2	322.0	8.22	98.0	
04.20.2021	03:33:41	S	3341.22	W	1727.82	3.6	4.7	0.7	50.1	68.9	-0.0	-0.3	321.3	8.19	98.0	
04.20.2021	03:34:41	S	3341.22	W	1727.54	10.6	4.7	2.2	50.2	68.7	-0.1	-0.3	321.5	8.22	98.0	
04.20.2021	03:35:41	S	3341.23	W	1727.33	7.1	4.7	1.4	49.7	69.2	-0.0	-0.3	318.5	8.19	98.0	
04.20.2021	03:36:41	S	3341.23	W	1727.11	7.6	4.7	1.6	51.9	69.2	-0.1	-0.3	318.3	8.19	98.0	
04.20.2021	03:37:41	S	3341.23	W	1726.85	12.0	4.7	2.5	51.7	68.2	-0.0	-0.3	317.9	8.19	98.0	
04.20.2021	03:38:41	S	3341.24	W	1726.57	6.0	4.7	1.2	50.6	61.3	-0.1	-0.3	317.0	8.22	98.0	
04.20.2021	03:39:41	S	3341.24	W	1726.36	13.5	4.7	2.8	50.5	61.9	-0.0	-0.2	314.5	8.19	98.0	
04.20.2021	03:40:47	S	3341.24	W	1726.1	5.3	4.7	1.1	49.5	60.7	0.0	-0.3	321.0	8.19	98.0	
04.20.2021	03:41:47	S	3341.24	W	1725.87	12.7	4.7	2.6	49.3	60.6	-0.0	-0.3	317.3	8.19	98.0	
04.20.2021	03:42:47	S	3341.24	W	1725.63	4.2	4.8	0.8	50.2	60.8	-0.0	-0.3	321.4	8.19	98.0	
04.20.2021	03:43:47	S	3341.25	W	1725.39	11.8	4.8	2.4	50.6	61.2	-0.1	-0.3	321.9	8.19	98.0	
04.20.2021	03:44:47	S	3341.26	W	1725.13	4.0	4.7	0.8	49.4	61.3	-0.1	-0.3	321.2	8.19	98.0	
04.20.2021	03:45:47	S	3341.26	W	1724.87	10.9	4.7	2.3	50.1	61.2	0.1	-0.2	322.3	8.19	98.0	
04.20.2021	03:46:47	S	3341.27	W	1724.62	8.6	4.7	1.8	50.9	61.6	-0.1	-0.3	321.8	8.19	98.0	
04.20.2021	03:47:47	S	3341.27	W	1724.36	10.9	4.7	2.3	50.8	61.0	-0.0	-0.2	321.2	8.19	98.0	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	03:48:47	S	3341.27	W	1724.16	8.2	4.7	1.7	50.1	61.2	-0.0	-0.3	321.9	8.19	98.0
04.20.2021	03:49:47	S	3341.28	W	1723.91	9.4	4.7	2.0	50.3	60.8	0.0	-0.2	321.5	8.19	98.0
04.20.2021	03:50:42	S	3341.28	W	1723.65	7.8	4.7	1.6	50.7	56.4	0.1	-0.2	318.3	8.19	98.0
04.20.2021	03:51:42	S	3341.29	W	1723.42	5.4	4.7	1.1	49.2	56.1	-0.0	-0.3	318.2	8.22	98.0
04.20.2021	03:52:42	S	3341.29	W	1723.16	9.1	4.7	1.9	49.7	56.0	0.0	-0.2	318.2	8.19	98.0
04.20.2021	03:53:42	S	3341.3	W	1722.92	5.5	4.7	1.1	49.7	56.5	-0.0	-0.3	315.1	8.19	98.0
04.20.2021	03:54:42	S	3341.31	W	1722.68	11.9	4.7	2.5	50.3	55.7	-0.0	-0.2	315.5	8.19	98.0
04.20.2021	03:55:42	S	3341.31	W	1722.46	5.0	4.7	1.0	50.2	55.6	-0.2	-0.3	313.7	8.19	98.0
04.20.2021	03:56:42	S	3341.32	W	1722.2	11.6	4.7	2.4	50.3	55.8	0.0	-0.2	319.5	8.22	98.0
04.20.2021	03:57:42	S	3341.32	W	1721.94	6.2	4.7	1.3	50.8	56.0	-0.0	-0.2	319.5	8.19	98.0
04.20.2021	03:58:42	S	3341.33	W	1721.73	7.7	4.7	1.6	49.5	55.6	-0.1	-0.3	321.0	8.22	98.0
04.20.2021	03:59:42	S	3341.33	W	1721.47	8.1	4.7	1.7	50.2	56.2	-0.1	-0.3	321.9	8.19	98.0
04.20.2021	04:00:45	S	3341.34	W	1721.22	6.8	4.8	1.4	51.1	57.2	-0.1	-0.3	321.4	8.22	98.0
04.20.2021	04:01:45	S	3341.34	W	1720.97	8.5	4.8	1.7	50.5	57.0	-0.1	-0.3	321.5	8.19	98.0
04.20.2021	04:02:45	S	3341.34	W	1720.76	6.4	4.7	1.3	49.7	57.4	-0.1	-0.3	322.2	8.19	98.0
04.20.2021	04:03:45	S	3341.35	W	1720.48	10.0	4.8	2.0	51.3	57.7	0.1	-0.2	323.0	8.22	98.0
04.20.2021	04:04:45	S	3341.36	W	1720.23	3.7	4.8	0.7	51.8	57.7	-0.1	-0.3	319.4	8.19	98.0
04.20.2021	04:05:45	S	3341.36	W	1720.01	13.5	4.7	2.8	49.6	57.4	-0.0	-0.2	321.4	8.19	98.0
04.20.2021	04:06:45	S	3341.36	W	1719.78	3.6	4.7	0.7	49.7	59.0	-0.1	-0.3	319.0	8.19	98.0
04.20.2021	04:07:45	S	3341.37	W	1719.51	12.2	4.8	2.5	49.6	58.6	-0.1	-0.3	319.7	8.19	98.0
04.20.2021	04:08:45	S	3341.37	W	1719.28	2.5	4.7	0.5	50.2	58.6	-0.0	-0.2	313.8	8.19	98.0
04.20.2021	04:09:45	S	3341.37	W	1719.05	9.6	4.8	1.9	49.5	59.6	-0.0	-0.3	316.7	8.19	98.0
04.20.2021	04:10:42	S	3341.38	W	1718.77	4.0	4.8	0.8	49.0	58.2	-0.1	-0.4	317.7	8.19	98.0
04.20.2021	04:11:42	S	3341.38	W	1718.55	10.1	4.8	2.0	49.1	55.7	-0.0	-0.3	314.6	8.19	98.0
04.20.2021	04:12:42	S	3341.38	W	1718.29	3.7	4.8	0.7	50.8	61.9	-0.1	-0.3	317.9	8.19	98.0
04.20.2021	04:13:42	S	3341.38	W	1718.07	11.3	4.8	2.3	51.3	62.4	-0.1	-0.3	321.1	8.19	98.0
04.20.2021	04:14:42	S	3341.39	W	1717.84	4.1	4.8	0.8	52.4	63.0	0.1	-0.2	321.6	8.19	98.0
04.20.2021	04:15:42	S	3341.39	W	1717.59	8.2	4.8	1.6	50.6	63.2	-0.1	-0.3	324.0	8.19	98.0
04.20.2021	04:16:42	S	3341.39	W	1717.34	9.7	4.8	1.9	50.7	63.5	0.0	-0.2	322.1	8.19	98.0
04.20.2021	04:17:42	S	3341.4	W	1717.07	6.7	4.7	1.4	50.4	63.5	-0.0	-0.3	322.6	8.19	98.0
04.20.2021	04:18:42	S	3341.41	W	1716.84	11.0	4.7	2.3	50.0	63.1	-0.1	-0.3	322.3	8.19	98.0
04.20.2021	04:19:42	S	3341.41	W	1716.58	2.8	4.7	0.6	49.0	63.1	-0.0	-0.2	322.1	8.19	98.0
04.20.2021	04:20:42	S	3341.41	W	1716.34	12.0	4.8	2.5	51.2	63.1	-0.1	-0.3	321.9	8.19	98.0
04.20.2021	04:21:42	S	3341.42	W	1716.1	2.3	4.8	0.5	50.8	63.2	0.0	-0.2	319.3	8.19	98.0
04.20.2021	04:22:42	S	3341.42	W	1715.86	12.4	4.8	2.6	51.2	63.5	0.0	-0.2	321.1	8.19	98.0
04.20.2021	04:23:42	S	3341.42	W	1715.62	2.0	4.8	0.4	50.7	63.7	-0.0	-0.2	318.8	8.19	98.0
04.20.2021	04:24:42	S	3341.43	W	1715.37	9.3	4.8	1.9	50.4	63.7	-0.1	-0.3	316.1	8.19	98.0
04.20.2021	04:25:42	S	3341.43	W	1715.12	7.0	4.7	1.4	49.9	63.2	0.0	-0.2	316.1	8.24	98.4

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	04:26:42	S	3341.44	W	1714.88	6.1	4.8	1.2	51.1	63.7	0.0	-0.3	317.0	8.22	98.0
04.20.2021	04:27:42	S	3341.44	W	1714.6	6.9	4.8	1.4	50.7	63.7	-0.1	-0.3	317.7	8.19	98.0
04.20.2021	04:28:42	S	3341.45	W	1714.39	9.8	4.8	2.0	53.2	58.5	0.0	-0.3	319.9	8.19	98.0
04.20.2021	04:29:42	S	3341.46	W	1714.13	8.9	4.8	1.8	52.3	58.2	0.0	-0.3	321.4	8.19	98.0
04.20.2021	04:30:46	S	3341.47	W	1713.9	3.7	4.7	0.7	49.3	58.5	-0.1	-0.3	322.4	8.19	98.0
04.20.2021	04:31:46	S	3341.49	W	1713.64	12.3	4.7	2.6	49.8	57.3	-0.0	-0.3	322.3	8.19	98.0
04.20.2021	04:32:46	S	3341.5	W	1713.41	4.7	4.7	0.9	50.6	57.9	0.0	-0.2	323.0	8.19	98.0
04.20.2021	04:33:46	S	3341.51	W	1713.12	9.7	4.8	1.9	52.5	57.2	-0.1	-0.3	318.3	8.24	98.4
04.20.2021	04:34:46	S	3341.53	W	1712.93	2.7	4.8	0.5	51.1	56.9	-0.0	-0.3	322.2	8.19	98.0
04.20.2021	04:35:46	S	3341.55	W	1712.66	12.4	4.8	2.6	50.4	56.4	-0.0	-0.2	321.4	8.19	98.0
04.20.2021	04:36:46	S	3341.57	W	1712.43	6.4	4.7	1.3	49.3	55.6	-0.1	-0.3	319.9	8.19	98.0
04.20.2021	04:37:46	S	3341.59	W	1712.14	7.8	4.7	1.6	50.1	55.7	-0.1	-0.3	319.9	8.22	98.0
04.20.2021	04:38:46	S	3341.61	W	1711.92	7.7	4.7	1.6	51.7	56.7	-0.0	-0.3	318.0	8.22	98.0
04.20.2021	04:39:46	S	3341.62	W	1711.68	5.9	4.7	1.2	51.6	56.0	0.0	-0.2	317.4	8.22	98.2
04.20.2021	04:40:50	S	3341.64	W	1711.44	8.0	4.8	1.6	51.9	56.5	0.0	-0.3	314.9	8.22	98.0
04.20.2021	04:41:50	S	3341.65	W	1711.2	5.3	4.8	1.1	50.4	55.8	-0.1	-0.3	314.1	8.22	98.0
04.20.2021	04:42:50	S	3341.68	W	1710.93	10.3	4.7	2.2	50.6	55.5	-0.1	-0.3	316.5	8.22	98.0
04.20.2021	04:43:50	S	3341.69	W	1710.69	3.4	4.7	0.7	50.7	55.8	-0.1	-0.3	312.6	8.22	98.0
04.20.2021	04:44:50	S	3341.71	W	1710.43	11.0	4.7	2.3	51.7	55.6	0.0	-0.2	320.0	8.19	98.0
04.20.2021	04:45:50	S	3341.73	W	1710.19	4.0	4.7	0.8	51.2	56.1	-0.1	-0.3	321.6	8.19	98.0
04.20.2021	04:46:50	S	3341.75	W	1709.97	11.8	4.7	2.5	50.1	56.6	-0.0	-0.3	323.1	8.19	98.0
04.20.2021	04:47:50	S	3341.77	W	1709.72	4.8	4.7	1.0	49.8	56.7	-0.1	-0.3	322.2	8.19	98.0
04.20.2021	04:48:50	S	3341.79	W	1709.48	8.9	4.7	1.9	51.5	56.8	-0.0	-0.3	321.6	8.21	98.4
04.20.2021	04:49:50	S	3341.81	W	1709.24	6.8	4.7	1.4	49.9	57.1	0.0	-0.2	321.4	8.22	98.0
04.20.2021	04:50:43	S	3341.83	W	1708.99	7.9	4.7	1.7	50.7	56.9	-0.1	-0.3	322.4	8.22	98.0
04.20.2021	04:51:43	S	3341.85	W	1708.74	10.6	4.7	2.2	50.8	56.9	0.0	-0.2	321.9	8.22	98.0
04.20.2021	04:52:43	S	3341.86	W	1708.49	4.8	4.7	1.0	51.4	56.1	-0.0	-0.2	323.0	8.19	98.0
04.20.2021	04:53:43	S	3341.88	W	1708.25	11.5	4.8	2.4	52.0	56.4	-0.1	-0.3	319.7	8.22	98.0
04.20.2021	04:54:43	S	3341.9	W	1708.02	5.2	4.8	1.0	50.4	57.1	-0.0	-0.2	321.2	8.22	98.0
04.20.2021	04:55:43	S	3341.92	W	1707.75	11.5	4.7	2.4	49.6	56.1	-0.0	-0.3	315.0	8.22	98.0
04.20.2021	04:56:43	S	3341.94	W	1707.52	5.3	4.7	1.1	50.2	56.6	-0.0	-0.2	316.9	8.22	98.0
04.20.2021	04:57:43	S	3341.96	W	1707.27	10.4	4.7	2.2	50.6	56.0	0.0	-0.3	313.9	8.22	98.0
04.20.2021	04:58:43	S	3341.98	W	1707.01	3.0	4.8	0.6	50.5	56.0	0.0	-0.2	316.6	8.22	98.0
04.20.2021	04:59:43	S	3342	W	1706.76	8.0	4.7	1.7	50.2	55.5	-0.1	-0.3	315.1	8.19	98.0
04.20.2021	05:00:49	S	3342.02	W	1706.52	8.6	4.7	1.8	49.7	65.6	-0.1	-0.3	320.0	8.22	98.0
04.20.2021	05:01:49	S	3342.04	W	1706.25	6.5	4.8	1.3	50.6	66.3	-0.0	-0.3	320.2	8.22	98.0
04.20.2021	05:02:49	S	3342.05	W	1706.03	8.8	4.8	1.8	49.5	66.2	-0.1	-0.3	322.6	8.19	98.0
04.20.2021	05:03:49	S	3342.07	W	1705.76	5.8	4.7	1.2	50.7	66.7	-0.1	-0.4	322.5	8.19	98.0

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	05:04:49	S	3342.08	W	1705.54	9.0	4.8	1.8	49.7	64.0	-0.1	-0.3	323.3	8.19	98.0
04.20.2021	05:05:49	S	3342.09	W	1705.28	5.3	4.8	1.1	50.8	64.2	-0.0	-0.3	322.3	8.22	98.0
04.20.2021	05:06:49	S	3342.09	W	1705.24	10.4	4.8	2.1	50.4	64.1	-0.1	-0.3	321.8	8.22	98.0
04.20.2021	05:07:49	S	3342.11	W	1704.8	5.2	4.8	1.0	51.3	63.8	-0.0	-0.2	320.1	8.19	98.0
04.20.2021	05:08:49	S	3342.13	W	1704.55	12.0	4.8	2.5	50.0	64.1	0.0	-0.2	323.8	8.22	98.0
04.20.2021	05:09:49	S	3342.15	W	1704.29	3.2	4.7	0.6	50.9	64.1	-0.1	-0.4	320.7	8.22	98.0
04.20.2021	05:10:44	S	3342.16	W	1704.05	9.0	4.7	1.9	50.6	64.5	-0.1	-0.3	319.2	8.19	98.0
04.20.2021	05:11:44	S	3342.17	W	1703.8	4.6	4.8	0.9	52.4	64.8	-0.1	-0.3	318.0	8.22	98.5
04.20.2021	05:12:44	S	3342.19	W	1703.55	8.3	4.8	1.7	50.6	64.5	-0.0	-0.3	316.6	8.22	98.5
04.20.2021	05:13:44	S	3342.2	W	1703.29	6.4	4.7	1.3	50.3	64.2	-0.1	-0.3	315.7	8.22	98.5
04.20.2021	05:14:44	S	3342.22	W	1703.03	5.0	4.7	1.0	48.9	64.0	-0.1	-0.3	314.4	8.22	98.5
04.20.2021	05:15:44	S	3342.23	W	1702.81	9.6	4.7	2.0	48.7	63.6	-0.0	-0.3	318.4	8.22	98.5
04.20.2021	05:16:44	S	3342.23	W	1702.54	6.0	4.7	1.2	51.3	56.7	0.0	-0.3	322.4	8.22	98.5
04.20.2021	05:17:44	S	3342.24	W	1702.29	8.9	4.8	1.8	52.1	57.1	-0.1	-0.3	320.4	8.22	98.5
04.20.2021	05:18:44	S	3342.24	W	1702.02	3.6	4.8	0.7	51.8	57.3	-0.0	-0.3	321.9	8.19	98.5
04.20.2021	05:19:44	S	3342.25	W	1701.8	12.3	4.7	2.6	49.9	56.9	-0.1	-0.4	321.5	8.22	98.5
04.20.2021	05:20:43	S	3342.26	W	1701.55	2.6	4.7	0.5	50.3	57.2	-0.1	-0.3	322.2	8.22	98.5
04.20.2021	05:21:43	S	3342.26	W	1701.3	14.0	4.7	2.9	50.9	56.0	-0.1	-0.3	321.3	8.22	98.5
04.20.2021	05:22:43	S	3342.27	W	1701.06	3.2	4.7	0.6	50.5	56.1	-0.1	-0.3	321.8	8.22	98.5
04.20.2021	05:23:43	S	3342.27	W	1700.79	11.1	4.7	2.3	51.4	56.4	-0.1	-0.3	320.4	8.22	98.5
04.20.2021	05:24:43	S	3342.28	W	1700.55	3.3	4.8	0.7	51.1	56.4	0.0	-0.2	319.2	8.22	98.5
04.20.2021	05:25:43	S	3342.28	W	1700.3	11.3	4.7	2.4	50.1	56.3	-0.1	-0.3	320.6	8.22	98.5
04.20.2021	05:26:43	S	3342.29	W	1700.04	6.3	4.7	1.3	51.5	56.3	-0.1	-0.3	315.8	8.19	98.8
04.20.2021	05:27:43	S	3342.29	W	1659.81	8.0	4.8	1.6	50.5	55.9	-0.1	-0.3	315.9	8.16	98.5
04.20.2021	05:28:43	S	3342.3	W	1659.56	10.4	4.8	2.1	50.5	59.6	-0.1	-0.3	315.5	8.19	98.8
04.20.2021	05:29:43	S	3342.3	W	1659.3	4.9	4.7	1.0	51.1	60.7	-0.0	-0.2	313.5	8.22	98.5
04.20.2021	05:30:43	S	3342.31	W	1659.06	11.9	4.8	2.5	50.1	60.4	-0.0	-0.3	315.5	8.22	98.5
04.20.2021	05:31:43	S	3342.31	W	1658.78	3.6	4.8	0.7	50.3	60.2	-0.0	-0.2	317.6	8.22	98.5
04.20.2021	05:32:43	S	3342.32	W	1658.55	9.6	4.8	1.9	51.6	62.3	0.0	-0.3	314.0	8.22	98.5
04.20.2021	05:33:43	S	3342.32	W	1658.29	4.4	4.7	0.9	50.6	59.8	-0.0	-0.3	321.2	8.22	98.5
04.20.2021	05:34:43	S	3342.33	W	1658.02	11.3	4.8	2.3	50.5	60.6	-0.0	-0.2	322.6	8.22	98.5
04.20.2021	05:35:43	S	3342.33	W	1657.81	5.7	4.7	1.1	50.1	60.2	-0.0	-0.3	321.9	8.22	98.5
04.20.2021	05:36:43	S	3342.33	W	1657.53	11.0	4.7	2.3	51.7	60.3	-0.1	-0.3	321.8	8.22	98.5
04.20.2021	05:37:43	S	3342.34	W	1657.26	6.0	4.8	1.2	50.3	60.5	0.0	-0.2	322.1	8.22	98.5
04.20.2021	05:38:43	S	3342.34	W	1657.05	8.7	4.7	1.8	51.4	60.7	-0.0	-0.3	320.1	8.19	98.5
04.20.2021	05:39:43	S	3342.34	W	1656.77	7.3	4.7	1.5	50.7	60.3	-0.0	-0.3	322.4	8.22	98.5
04.20.2021	05:40:46	S	3342.34	W	1656.56	8.4	4.7	1.8	52.0	60.3	0.1	-0.2	321.8	8.22	98.5
04.20.2021	05:41:46	S	3342.35	W	1656.28	10.0	4.7	2.1	52.0	60.8	-0.1	-0.3	321.3	8.22	98.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0				Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	05:42:46	S	3342.35	W	1656.01	6.8	4.7	1.4	51.1	60.2	0.0	-0.2	317.3	8.22	98.5
04.20.2021	05:43:46	S	3342.35	W	1655.8	11.6	4.7	2.4	51.0	60.2	-0.0	-0.3	318.2	8.22	98.5
04.20.2021	05:44:46	S	3342.35	W	1655.53	5.1	4.7	1.0	51.5	60.0	0.0	-0.2	314.0	8.22	98.5
04.20.2021	05:45:46	S	3342.35	W	1655.3	9.6	4.7	2.0	51.2	59.7	-0.1	-0.3	318.6	8.22	98.5
04.20.2021	05:46:46	S	3342.36	W	1655.03	6.3	4.7	1.3	51.1	58.9	-0.1	-0.3	315.5	8.22	98.5
04.20.2021	05:47:46	S	3342.36	W	1654.75	11.5	4.7	2.4	50.8	59.3	0.0	-0.3	319.1	8.22	98.5
04.20.2021	05:48:46	S	3342.37	W	1654.51	6.6	4.7	1.3	51.0	59.1	-0.1	-0.3	317.8	8.22	98.5
04.20.2021	05:49:46	S	3342.37	W	1654.29	11.2	4.7	2.3	49.7	65.5	-0.1	-0.3	319.0	8.22	98.5
04.20.2021	05:50:47	S	3342.38	W	1654.03	4.6	4.7	0.9	51.6	66.1	-0.1	-0.3	323.6	8.22	98.5
04.20.2021	05:51:47	S	3342.38	W	1653.77	9.4	4.8	1.9	51.6	67.7	-0.1	-0.3	323.5	8.22	98.5
04.20.2021	05:52:47	S	3342.39	W	1653.51	8.3	4.8	1.7	50.6	67.3	-0.1	-0.3	323.2	8.21	98.6
04.20.2021	05:53:47	S	3342.39	W	1653.26	5.3	4.8	1.1	50.7	67.7	-0.1	-0.3	323.6	8.22	98.5
04.20.2021	05:54:47	S	3342.4	W	1653.02	9.2	4.8	1.8	50.6	67.9	-0.1	-0.3	322.4	8.22	98.5
04.20.2021	05:55:47	S	3342.4	W	1652.78	6.3	4.7	1.3	50.7	70.2	-0.1	-0.3	322.2	8.22	98.5
04.20.2021	05:56:47	S	3342.41	W	1652.53	10.4	4.7	2.2	50.7	71.4	-0.0	-0.3	321.3	8.22	98.5
04.20.2021	05:57:47	S	3342.41	W	1652.29	5.3	4.7	1.1	50.0	69.3	-0.1	-0.4	320.7	8.22	98.5
04.20.2021	05:58:47	S	3342.42	W	1652.02	11.5	4.7	2.4	51.9	70.8	-0.0	-0.3	319.7	8.22	98.5
04.20.2021	05:59:47	S	3342.42	W	1651.75	5.0	4.7	1.0	50.8	65.2	0.0	-0.3	316.7	8.22	98.5
04.20.2021	06:00:49	S	3342.42	W	1651.51	11.3	4.7	2.4	51.5	64.2	-0.1	-0.4	314.9	8.19	98.5
04.20.2021	06:01:49	S	3342.43	W	1651.29	5.6	4.7	1.1	50.7	64.6	-0.0	-0.2	317.1	8.22	98.5
04.20.2021	06:02:49	S	3342.44	W	1651.23	5.9	4.7	1.2	49.5	64.1	-0.0	-0.3	314.3	8.22	98.5
04.20.2021	06:03:49	S	3342.46	W	1650.78	9.6	4.7	2.0	49.8	64.5	-0.0	-0.3	320.1	8.19	98.5
04.20.2021	06:04:49	S	3342.48	W	1650.49	4.6	4.7	0.9	50.0	65.1	-0.1	-0.3	321.3	8.19	98.7
04.20.2021	06:05:49	S	3342.48	W	1650.26	11.5	4.7	2.4	50.3	56.6	-0.1	-0.4	322.6	8.22	98.5
04.20.2021	06:06:49	S	3342.49	W	1650.01	3.7	4.7	0.7	51.3	57.2	-0.1	-0.2	322.6	8.22	98.5
04.20.2021	06:07:49	S	3342.5	W	1649.77	11.0	4.7	2.3	51.0	57.5	-0.1	-0.3	321.0	8.19	98.5
04.20.2021	06:08:49	S	3342.51	W	1649.53	5.0	4.7	1.0	50.6	57.1	0.0	-0.2	321.5	8.22	98.5
04.20.2021	06:09:49	S	3342.52	W	1649.3	11.3	4.7	2.4	51.4	57.3	0.0	-0.2	322.0	8.24	98.7
04.20.2021	06:10:42	S	3342.54	W	1649.04	4.7	4.7	0.9	52.2	57.3	0.0	-0.3	321.4	8.19	98.0
04.20.2021	06:11:42	S	3342.55	W	1648.8	12.4	4.7	2.6	50.9	59.9	0.0	-0.2	322.4	8.19	98.8
04.20.2021	06:12:42	S	3342.56	W	1648.55	7.0	4.7	1.4	50.3	60.1	-0.1	-0.4	321.6	8.22	98.5
04.20.2021	06:13:42	S	3342.57	W	1648.29	9.0	4.7	1.9	51.1	59.7	-0.1	-0.4	320.0	8.19	98.5
04.20.2021	06:14:42	S	3342.59	W	1648.03	9.0	4.7	1.9	51.5	57.5	-0.0	-0.2	317.5	8.19	98.5
04.20.2021	06:15:42	S	3342.6	W	1647.79	5.8	4.7	1.2	51.8	57.4	0.1	-0.2	314.9	8.24	98.9
04.20.2021	06:16:42	S	3342.61	W	1647.55	10.4	4.7	2.2	51.2	57.1	-0.2	-0.4	315.5	8.19	98.5
04.20.2021	06:17:42	S	3342.62	W	1647.31	4.6	4.7	0.9	50.8	57.3	-0.0	-0.3	313.6	8.19	98.5
04.20.2021	06:18:42	S	3342.63	W	1647.05	11.8	4.7	2.5	50.6	56.8	-0.1	-0.3	314.6	8.22	98.5
04.20.2021	06:19:42	S	3342.64	W	1646.8	2.2	4.7	0.4	50.7	57.5	-0.1	-0.3	317.6	8.19	98.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	06:20:44	S	3342.65	W	1646.57	11.2	4.7	2.3	50.7	57.8	-0.1	-0.3	320.9	8.22	98.0
04.20.2021	06:21:44	S	3342.67	W	1646.32	3.0	4.7	0.6	50.9	57.4	-0.1	-0.3	321.1	8.19	98.0
04.20.2021	06:22:44	S	3342.68	W	1646.09	12.0	4.7	2.5	50.7	58.0	-0.1	-0.3	322.9	8.22	98.0
04.20.2021	06:23:44	S	3342.7	W	1645.8	3.4	4.7	0.7	50.0	58.0	-0.1	-0.3	322.0	8.19	98.0
04.20.2021	06:24:44	S	3342.71	W	1645.59	11.1	4.7	2.3	49.6	58.7	0.0	-0.2	322.7	8.19	98.0
04.20.2021	06:25:44	S	3342.72	W	1645.31	6.6	4.7	1.3	52.1	58.8	-0.1	-0.3	321.5	8.22	98.0
04.20.2021	06:26:44	S	3342.73	W	1645.09	8.5	4.7	1.8	51.5	59.1	-0.1	-0.3	321.9	8.19	98.0
04.20.2021	06:27:44	S	3342.74	W	1644.84	7.2	4.7	1.5	51.6	58.5	-0.1	-0.3	319.9	8.22	98.0
04.20.2021	06:28:44	S	3342.76	W	1644.57	6.4	4.7	1.3	52.3	58.4	-0.1	-0.3	322.2	8.19	98.0
04.20.2021	06:29:44	S	3342.77	W	1644.32	8.4	4.7	1.8	51.2	57.8	-0.1	-0.3	317.3	8.19	98.0
04.20.2021	06:30:48	S	3342.78	W	1644.11	6.7	4.7	1.4	51.2	59.2	0.0	-0.3	320.3	8.19	98.0
04.20.2021	06:31:48	S	3342.8	W	1643.85	12.0	4.7	2.5	50.3	59.9	-0.1	-0.3	315.4	8.22	98.0
04.20.2021	06:32:48	S	3342.81	W	1643.57	4.0	4.7	0.8	50.2	57.3	-0.1	-0.3	317.8	8.22	98.0
04.20.2021	06:33:48	S	3342.82	W	1643.34	12.0	4.7	2.5	50.8	57.2	0.0	-0.2	315.1	8.22	98.0
04.20.2021	06:34:48	S	3342.83	W	1643.11	2.6	4.7	0.5	50.5	57.3	0.0	-0.2	316.3	8.22	98.0
04.20.2021	06:35:48	S	3342.85	W	1642.86	11.0	4.7	2.3	50.9	56.6	-0.0	-0.3	315.8	8.22	98.0
04.20.2021	06:36:48	S	3342.86	W	1642.61	6.5	4.7	1.3	49.7	57.7	-0.0	-0.2	317.5	8.22	98.0
04.20.2021	06:37:48	S	3342.87	W	1642.35	8.2	4.7	1.7	51.4	57.0	-0.0	-0.3	322.2	8.19	98.0
04.20.2021	06:38:48	S	3342.88	W	1642.12	10.7	4.7	2.2	50.9	64.2	-0.0	-0.3	321.9	8.22	98.0
04.20.2021	06:39:48	S	3342.89	W	1641.88	4.1	4.7	0.8	50.3	64.1	0.0	-0.2	322.0	8.22	98.0
04.20.2021	06:40:42	S	3342.9	W	1641.65	11.3	4.8	2.3	51.3	65.0	-0.0	-0.2	322.5	8.22	98.0
04.20.2021	06:41:42	S	3342.92	W	1641.38	5.0	4.7	1.0	50.4	64.5	-0.0	-0.2	323.0	8.22	98.0
04.20.2021	06:42:42	S	3342.93	W	1641.11	11.0	4.7	2.3	50.6	64.8	-0.1	-0.3	322.9	8.22	98.0
04.20.2021	06:43:42	S	3342.94	W	1640.92	3.5	4.7	0.7	50.3	65.4	-0.1	-0.3	321.8	8.22	98.0
04.20.2021	06:44:42	S	3342.95	W	1640.64	11.4	4.7	2.4	50.1	64.7	-0.1	-0.4	321.9	8.22	98.0
04.20.2021	06:45:42	S	3342.96	W	1640.4	7.4	4.7	1.6	50.0	64.7	-0.1	-0.3	321.4	8.22	98.0
04.20.2021	06:46:42	S	3342.98	W	1640.12	6.7	4.7	1.4	50.6	65.7	0.1	-0.3	319.2	8.19	98.2
04.20.2021	06:47:42	S	3342.99	W	1639.86	9.1	4.7	1.9	49.9	65.0	-0.1	-0.3	314.7	8.19	98.0
04.20.2021	06:48:42	S	3343	W	1639.63	5.3	4.8	1.1	51.1	67.3	-0.1	-0.3	316.9	8.19	98.0
04.20.2021	06:49:42	S	3343.01	W	1639.38	10.4	4.8	2.1	50.9	64.9	-0.1	-0.3	316.5	8.19	98.0
04.20.2021	06:50:50	S	3343.02	W	1639.13	7.4	4.8	1.5	49.4	65.6	0.0	-0.2	315.0	8.19	98.0
04.20.2021	06:51:50	S	3343.04	W	1638.9	11.4	4.8	2.3	51.4	65.5	0.0	-0.2	316.8	8.22	98.0
04.20.2021	06:52:50	S	3343.04	W	1638.66	2.0	4.8	0.4	51.3	65.4	-0.0	-0.3	317.5	8.19	98.2
04.20.2021	06:53:50	S	3343.06	W	1638.4	11.9	4.8	2.5	52.0	64.7	-0.1	-0.3	319.6	8.19	98.0
04.20.2021	06:54:50	S	3343.06	W	1638.4	1.4	4.7	0.3	50.9	58.6	0.0	-0.2	322.3	8.22	98.0
04.20.2021	06:55:50	S	3343.08	W	1637.91	11.0	4.7	2.3	49.6	57.5	-0.0	-0.3	322.9	8.19	98.0
04.20.2021	06:56:50	S	3343.09	W	1637.65	4.4	4.7	0.9	51.1	58.2	0.0	-0.2	321.1	8.22	98.0
04.20.2021	06:57:50	S	3343.1	W	1637.41	7.0	4.7	1.4	49.3	57.4	0.0	-0.3	323.5	8.19	98.0

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	06:58:50	S	3343.11	W	1637.18	9.6	4.7	2.0	49.8	57.5	0.1	-0.2	322.9	8.22	98.0
04.20.2021	06:59:50	S	3343.12	W	1636.93	9.5	4.7	2.0	51.6	57.7	-0.1	-0.3	320.7	8.22	98.2
04.20.2021	07:00:47	S	3343.13	W	1636.67	9.3	4.8	1.9	50.0	57.5	-0.0	-0.2	321.3	8.19	98.2
04.20.2021	07:01:47	S	3343.15	W	1636.41	6.0	4.7	1.2	49.9	60.2	-0.1	-0.3	316.9	8.22	98.0
04.20.2021	07:02:47	S	3343.16	W	1636.2	12.0	4.7	2.5	49.9	58.2	-0.1	-0.3	317.7	8.22	98.0
04.20.2021	07:03:47	S	3343.17	W	1635.94	4.7	4.7	0.9	48.9	57.8	-0.0	-0.3	315.7	8.19	98.0
04.20.2021	07:04:47	S	3343.18	W	1635.69	13.4	4.8	2.8	50.7	58.1	0.0	-0.2	314.3	8.19	98.0
04.20.2021	07:05:47	S	3343.18	W	1635.65	1.2	4.8	0.2	51.1	58.2	-0.0	-0.3	315.8	8.23	98.1
04.20.2021	07:06:47	S	3343.2	W	1635.2	10.6	4.8	2.1	50.5	57.8	-0.0	-0.2	314.1	8.24	98.3
04.20.2021	07:07:47	S	3343.21	W	1634.95	4.0	4.7	0.8	49.8	57.3	-0.0	-0.3	319.9	8.19	98.0
04.20.2021	07:08:47	S	3343.22	W	1634.69	10.8	4.7	2.3	50.6	57.1	0.0	-0.2	318.2	8.19	98.1
04.20.2021	07:09:47	S	3343.23	W	1634.47	3.8	4.8	0.8	49.8	57.0	-0.1	-0.4	322.7	8.19	98.5
04.20.2021	07:10:50	S	3343.25	W	1634.2	8.5	4.8	1.7	51.2	58.3	0.1	-0.2	322.5	8.21	98.6
04.20.2021	07:11:50	S	3343.26	W	1633.98	6.5	4.7	1.3	50.2	57.8	-0.0	-0.3	323.3	8.22	98.5
04.20.2021	07:12:50	S	3343.27	W	1633.77	8.8	4.8	1.8	49.5	58.0	-0.1	-0.3	321.5	8.23	98.1
04.20.2021	07:13:50	S	3343.28	W	1633.48	8.1	4.8	1.6	51.3	57.7	-0.1	-0.3	321.7	8.21	98.9
04.20.2021	07:14:50	S	3343.29	W	1633.24	6.3	4.8	1.3	51.1	58.0	0.0	-0.2	321.1	8.21	98.0
04.20.2021	07:15:50	S	3343.3	W	1633.01	10.8	4.8	2.2	51.4	57.9	-0.2	-0.4	322.1	8.24	98.0
04.20.2021	07:16:50	S	3343.32	W	1632.74	5.5	4.8	1.1	49.5	57.5	-0.1	-0.3	319.7	8.23	98.4
04.20.2021	07:17:50	S	3343.33	W	1632.5	13.5	4.7	2.8	49.7	57.4	-0.1	-0.3	319.5	8.20	98.1
04.20.2021	07:18:50	S	3343.34	W	1632.27	4.4	4.7	0.9	51.4	58.5	-0.1	-0.3	316.3	8.19	98.1
04.20.2021	07:19:50	S	3343.36	W	1632.02	12.1	4.8	2.5	49.9	57.5	-0.1	-0.3	318.0	8.22	98.8
04.20.2021	07:20:43	S	3343.37	W	1631.78	3.0	4.7	0.6	49.2	57.6	-0.0	-0.3	314.5	8.22	98.1
04.20.2021	07:21:43	S	3343.38	W	1631.54	11.2	4.7	2.3	50.6	57.7	-0.1	-0.4	316.0	8.22	98.4
04.20.2021	07:22:43	S	3343.4	W	1631.29	6.0	4.7	1.2	49.3	57.8	0.1	-0.3	312.8	8.19	98.2
04.20.2021	07:23:43	S	3343.41	W	1631.08	10.6	4.7	2.2	49.7	56.5	-0.2	-0.3	318.3	8.23	98.4
04.20.2021	07:24:43	S	3343.42	W	1630.81	4.2	4.7	0.8	50.1	57.1	-0.0	-0.2	321.4	8.21	98.9
04.20.2021	07:25:43	S	3343.43	W	1630.59	10.1	4.7	2.1	50.8	56.5	-0.1	-0.3	320.4	8.19	98.2
04.20.2021	07:26:43	S	3343.45	W	1630.32	4.3	4.8	0.9	50.0	58.4	0.0	-0.3	321.8	8.24	98.3
04.20.2021	07:27:43	S	3343.46	W	1630.08	9.0	4.7	1.9	50.5	57.8	0.0	-0.2	324.1	8.20	98.1
04.20.2021	07:28:43	S	3343.48	W	1629.84	9.5	4.7	2.0	50.4	64.2	-0.1	-0.3	322.3	8.24	98.3
04.20.2021	07:29:43	S	3343.49	W	1629.63	3.9	4.7	0.8	51.3	64.7	-0.1	-0.3	322.5	8.23	98.1
04.20.2021	07:30:48	S	3343.51	W	1629.35	10.7	4.7	2.2	49.7	64.3	-0.0	-0.3	320.9	8.19	98.4
04.20.2021	07:31:48	S	3343.52	W	1629.13	3.4	4.7	0.7	49.6	64.3	0.0	-0.2	320.8	8.20	98.5
04.20.2021	07:32:48	S	3343.53	W	1628.85	12.4	4.7	2.6	51.1	64.5	0.1	-0.2	319.6	8.19	98.8
04.20.2021	07:33:48	S	3343.55	W	1628.63	3.7	4.7	0.7	50.9	64.6	-0.0	-0.3	320.5	8.19	98.1
04.20.2021	07:34:48	S	3343.56	W	1628.38	10.8	4.8	2.2	49.1	64.9	-0.1	-0.3	318.7	8.21	98.3
04.20.2021	07:35:48	S	3343.58	W	1628.12	3.7	4.7	0.7	50.0	66.6	-0.1	-0.3	318.7	8.19	98.2

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	07:36:48	S	3343.59	W	1627.87	11.0	4.7	2.3	51.0	70.1	-0.0	-0.3	316.2	8.23	98.4
04.20.2021	07:37:48	S	3343.6	W	1627.66	4.6	4.8	0.9	50.7	67.3	-0.1	-0.3	315.1	8.20	98.1
04.20.2021	07:38:48	S	3343.62	W	1627.37	9.8	4.8	2.0	50.9	66.9	0.1	-0.2	315.3	8.23	98.4
04.20.2021	07:39:48	S	3343.63	W	1627.17	7.0	4.7	1.4	50.6	68.2	-0.2	-0.4	319.7	8.22	98.2
04.20.2021	07:40:43	S	3343.64	W	1626.9	5.2	4.7	1.0	51.1	67.3	-0.1	-0.3	320.7	8.20	98.1
04.20.2021	07:41:43	S	3343.65	W	1626.65	9.9	4.8	2.0	51.1	68.2	-0.0	-0.3	320.5	8.19	98.2
04.20.2021	07:42:43	S	3343.67	W	1626.42	5.3	4.8	1.1	51.1	68.1	-0.1	-0.3	321.7	8.19	98.5
04.20.2021	07:43:43	S	3343.68	W	1626.18	10.2	4.8	2.0	51.2	69.0	0.0	-0.3	321.2	8.22	98.5
04.20.2021	07:44:43	S	3343.7	W	1625.91	4.9	4.8	1.0	50.9	64.0	-0.0	-0.2	321.8	8.22	98.5
04.20.2021	07:45:43	S	3343.71	W	1625.68	10.0	4.8	2.0	50.6	63.7	-0.1	-0.3	321.8	8.22	98.8
04.20.2021	07:46:43	S	3343.73	W	1625.42	6.0	4.8	1.2	50.4	61.5	-0.0	-0.3	320.6	8.19	98.5
04.20.2021	07:47:43	S	3343.74	W	1625.19	7.7	4.8	1.5	50.6	62.5	0.0	-0.2	323.0	8.19	98.5
04.20.2021	07:48:43	S	3343.75	W	1624.93	6.8	4.8	1.4	49.8	63.4	-0.1	-0.3	320.0	8.19	98.5
04.20.2021	07:49:43	S	3343.77	W	1624.71	8.4	4.8	1.7	48.7	62.5	-0.1	-0.3	318.8	8.19	98.5
04.20.2021	07:50:43	S	3343.78	W	1624.44	8.4	4.8	1.7	51.2	61.9	0.0	-0.2	317.1	8.22	98.5
04.20.2021	07:51:43	S	3343.8	W	1624.19	8.6	4.8	1.7	50.9	61.3	-0.0	-0.3	317.9	8.22	98.5
04.20.2021	07:52:43	S	3343.8	W	1624.04	8.7	4.8	1.7	50.9	61.3	-0.0	-0.2	315.6	8.19	98.5
04.20.2021	07:53:43	S	3343.8	W	1624.04	4.2	4.8	0.8	49.9	61.6	-0.0	-0.3	314.4	8.22	98.5
04.20.2021	07:54:43	S	3343.84	W	1623.49	10.5	4.7	2.2	49.6	61.0	-0.0	-0.3	316.1	8.19	98.5
04.20.2021	07:55:43	S	3343.85	W	1623.23	3.5	4.7	0.7	50.0	61.2	-0.2	-0.4	315.4	8.24	98.6
04.20.2021	07:56:43	S	3343.87	W	1622.98	12.0	4.7	2.5	52.0	61.0	-0.1	-0.3	317.0	8.19	98.8
04.20.2021	07:57:43	S	3343.87	W	1622.75	3.6	4.8	0.7	51.3	61.2	-0.1	-0.3	318.7	8.22	98.5
04.20.2021	07:58:43	S	3343.89	W	1622.47	12.8	4.8	2.7	50.7	61.4	-0.2	-0.3	320.0	8.23	98.3
04.20.2021	07:59:43	S	3343.9	W	1622.26	5.0	4.8	1.0	49.5	61.2	-0.0	-0.3	321.2	8.20	98.5
04.20.2021	08:00:43	S	3343.91	W	1621.99	10.7	4.7	2.2	49.4	62.7	0.0	-0.2	322.1	8.20	98.1
04.20.2021	08:01:43	S	3343.93	W	1621.74	6.2	4.8	1.2	49.8	58.7	-0.0	-0.3	320.7	8.19	98.0
04.20.2021	08:02:43	S	3343.93	W	1621.52	8.0	4.7	1.7	50.1	58.6	-0.1	-0.3	321.4	8.22	98.2
04.20.2021	08:03:43	S	3343.94	W	1621.26	6.4	4.8	1.3	51.0	58.8	-0.0	-0.3	320.5	8.22	98.5
04.20.2021	08:04:43	S	3343.94	W	1621	8.3	4.8	1.7	50.6	58.5	-0.0	-0.2	321.8	8.22	98.2
04.20.2021	08:05:43	S	3343.95	W	1620.78	7.2	4.8	1.4	51.3	58.7	-0.1	-0.3	316.7	8.23	98.4
04.20.2021	08:06:43	S	3343.96	W	1620.55	4.9	4.8	1.0	50.2	58.7	0.0	-0.2	321.1	8.24	98.6
04.20.2021	08:07:43	S	3343.98	W	1620.3	9.7	4.7	2.0	49.5	58.1	-0.1	-0.3	315.2	8.24	98.6
04.20.2021	08:08:43	S	3343.98	W	1620.04	3.9	4.8	0.8	50.9	58.8	-0.1	-0.3	317.9	8.24	98.6
04.20.2021	08:09:43	S	3343.99	W	1619.81	11.4	4.8	2.3	50.9	55.5	-0.1	-0.3	315.4	8.19	98.0
04.20.2021	08:10:45	S	3344	W	1619.55	2.5	4.8	0.5	52.0	55.5	0.1	-0.2	315.1	8.20	98.5
04.20.2021	08:11:45	S	3344	W	1619.32	11.2	4.8	2.3	50.0	56.0	0.0	-0.2	311.3	8.22	98.0
04.20.2021	08:12:45	S	3344.01	W	1619.09	4.6	4.8	0.9	50.8	55.4	0.0	-0.2	320.6	8.23	98.4
04.20.2021	08:13:45	S	3344.02	W	1618.83	10.4	4.8	2.1	50.7	55.3	-0.1	-0.3	321.2	8.19	98.2

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	08:14:45	S	3344.02	W	1618.58	4.3	4.8	0.9	50.2	55.1	-0.1	-0.3	321.9	8.19	98.0	
04.20.2021	08:15:45	S	3344.03	W	1618.33	10.2	4.8	2.0	50.6	56.9	0.0	-0.2	322.8	8.22	98.0	
04.20.2021	08:16:45	S	3344.03	W	1618.08	5.1	4.8	1.0	51.2	57.3	0.0	-0.2	323.1	8.19	98.0	
04.20.2021	08:17:45	S	3344.04	W	1617.84	9.6	4.8	1.9	51.2	57.1	0.0	-0.2	323.1	8.22	98.0	
04.20.2021	08:18:45	S	3344.05	W	1617.58	5.7	4.8	1.1	50.3	62.8	-0.1	-0.3	323.1	8.19	98.0	
04.20.2021	08:19:45	S	3344.06	W	1617.35	6.5	4.8	1.3	51.3	63.9	-0.0	-0.2	322.6	8.22	98.0	
04.20.2021	08:20:50	S	3344.07	W	1617.1	6.8	4.8	1.4	51.1	62.9	-0.1	-0.3	320.7	8.19	98.0	
04.20.2021	08:21:50	S	3344.08	W	1616.86	4.4	4.8	0.9	50.1	61.8	-0.1	-0.3	321.4	8.22	98.0	
04.20.2021	08:22:50	S	3344.08	W	1616.62	10.2	4.8	2.0	50.0	61.9	-0.0	-0.2	319.4	8.24	98.3	
04.20.2021	08:23:50	S	3344.09	W	1616.36	4.5	4.8	0.9	50.7	62.0	-0.1	-0.3	316.8	8.20	98.4	
04.20.2021	08:24:50	S	3344.09	W	1616.14	11.0	4.8	2.2	51.5	62.2	-0.0	-0.3	316.5	8.22	98.0	
04.20.2021	08:25:50	S	3344.1	W	1615.86	3.7	4.8	0.7	50.7	61.8	-0.1	-0.3	315.3	8.19	98.0	
04.20.2021	08:26:50	S	3344.1	W	1615.66	9.6	4.8	1.9	49.2	61.6	-0.1	-0.3	315.3	8.24	98.0	
04.20.2021	08:27:50	S	3344.11	W	1615.42	3.8	4.8	0.8	50.6	61.6	-0.0	-0.3	316.1	8.23	98.1	
04.20.2021	08:28:50	S	3344.12	W	1615.17	12.0	4.8	2.5	50.6	61.5	-0.0	-0.2	319.8	8.20	98.4	
04.20.2021	08:29:50	S	3344.12	W	1614.93	3.5	4.7	0.7	49.9	61.6	0.0	-0.2	319.0	8.19	98.0	
04.20.2021	08:30:44	S	3344.13	W	1614.69	12.6	4.8	2.6	51.2	61.7	-0.0	-0.3	321.5	8.19	98.0	
04.20.2021	08:31:44	S	3344.13	W	1614.44	4.6	4.8	0.9	50.6	62.0	-0.1	-0.3	322.9	8.15	98.0	
04.20.2021	08:32:44	S	3344.14	W	1614.2	10.9	4.8	2.2	50.7	62.6	-0.1	-0.3	322.6	8.22	98.0	
04.20.2021	08:33:44	S	3344.15	W	1613.93	3.4	4.8	0.7	49.4	55.4	-0.1	-0.3	322.0	8.22	98.2	
04.20.2021	08:34:44	S	3344.15	W	1613.72	8.4	4.8	1.7	51.1	55.7	-0.1	-0.3	321.6	8.15	98.0	
04.20.2021	08:35:44	S	3344.16	W	1613.56	7.1	4.8	1.4	50.1	55.6	-0.1	-0.3	322.4	8.15	98.0	
04.20.2021	08:36:44	S	3344.16	W	1613.56	9.0	4.8	1.8	51.1	55.9	0.0	-0.3	319.8	8.16	98.2	
04.20.2021	08:37:44	S	3344.17	W	1612.98	7.7	4.8	1.5	49.9	55.8	-0.1	-0.4	319.0	8.17	98.1	
04.20.2021	08:38:44	S	3344.18	W	1612.74	5.2	4.8	1.0	51.4	56.1	-0.0	-0.3	318.9	8.14	98.1	
04.20.2021	08:39:44	S	3344.19	W	1612.49	11.5	4.8	2.4	50.9	55.6	-0.0	-0.3	319.2	8.14	98.1	
04.20.2021	08:40:47	S	3344.19	W	1612.28	4.3	4.8	0.9	51.0	55.8	-0.1	-0.3	315.7	8.13	98.2	
04.20.2021	08:41:47	S	3344.2	W	1612.03	11.5	4.8	2.4	50.9	55.5	0.0	-0.2	314.3	8.17	98.4	
04.20.2021	08:42:47	S	3344.21	W	1611.77	2.0	4.8	0.4	50.1	57.8	-0.1	-0.3	312.7	8.15	98.0	
04.20.2021	08:43:47	S	3344.22	W	1611.54	10.0	4.8	2.0	50.4	57.6	0.0	-0.2	317.4	8.17	98.1	
04.20.2021	08:44:47	S	3344.22	W	1611.3	3.4	4.8	0.7	51.1	57.7	0.0	-0.2	316.8	8.13	98.2	
04.20.2021	08:45:47	S	3344.23	W	1611.08	12.0	4.8	2.5	51.6	58.0	-0.1	-0.3	322.6	8.13	98.2	
04.20.2021	08:46:47	S	3344.23	W	1610.79	3.8	4.8	0.8	51.6	57.1	-0.0	-0.3	323.4	8.15	98.9	
04.20.2021	08:47:47	S	3344.24	W	1610.58	10.6	4.8	2.1	51.1	55.1	-0.1	-0.3	322.6	8.14	98.1	
04.20.2021	08:48:47	S	3344.25	W	1610.36	5.1	4.8	1.0	50.6	55.1	0.0	-0.3	321.5	8.12	98.0	
04.20.2021	08:49:47	S	3344.25	W	1610.12	12.3	4.8	2.6	51.6	55.3	-0.0	-0.3	324.2	8.14	98.1	
04.20.2021	08:50:42	S	3344.26	W	1609.83	4.8	4.8	1.0	51.4	55.3	-0.1	-0.3	321.1	8.17	98.3	
04.20.2021	08:51:42	S	3344.27	W	1609.59	10.9	4.8	2.2	50.6	55.4	-0.1	-0.3	323.1	8.15	98.6	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	08:52:42	S	3344.27	W	1609.37	5.6	4.8	1.1	49.8	56.4	0.0	-0.2	317.0	8.17	98.3
04.20.2021	08:53:42	S	3344.28	W	1609.14	10.7	4.8	2.2	50.5	56.9	-0.1	-0.3	321.8	8.12	98.0
04.20.2021	08:54:42	S	3344.29	W	1608.88	4.5	4.8	0.9	49.9	56.3	0.0	-0.2	314.9	8.14	98.1
04.20.2021	08:55:42	S	3344.29	W	1608.64	9.0	4.8	1.8	51.6	57.6	0.1	-0.2	319.2	8.17	98.4
04.20.2021	08:56:42	S	3344.3	W	1608.39	6.1	4.8	1.2	49.6	56.0	0.0	-0.2	314.9	8.15	98.0
04.20.2021	08:57:42	S	3344.31	W	1608.18	6.8	4.8	1.4	50.4	56.1	-0.2	-0.3	318.0	8.12	98.0
04.20.2021	08:58:42	S	3344.32	W	1607.94	7.6	4.8	1.5	50.9	55.5	-0.1	-0.3	316.0	8.16	98.2
04.20.2021	08:59:42	S	3344.32	W	1607.69	4.6	4.8	0.9	50.4	55.6	-0.0	-0.3	317.3	8.12	98.0
04.20.2021	09:00:46	S	3344.33	W	1607.46	10.2	4.8	2.0	51.0	55.2	0.0	-0.2	318.9	8.13	98.2
04.20.2021	09:01:46	S	3344.33	W	1607.23	2.6	4.7	0.5	50.6	61.7	-0.1	-0.3	321.1	8.15	98.0
04.20.2021	09:02:46	S	3344.34	W	1606.96	11.1	4.8	2.3	50.6	62.6	-0.1	-0.3	323.3	8.17	98.1
04.20.2021	09:03:46	S	3344.35	W	1606.72	3.2	4.8	0.6	50.6	63.3	-0.0	-0.3	321.8	8.17	98.1
04.20.2021	09:04:46	S	3344.36	W	1606.49	13.0	4.8	2.7	50.8	62.9	-0.0	-0.2	322.8	8.12	98.0
04.20.2021	09:05:46	S	3344.36	W	1606.25	2.1	4.8	0.4	51.9	63.7	-0.0	-0.3	322.9	8.15	98.0
04.20.2021	09:06:46	S	3344.37	W	1606	12.0	4.8	2.5	52.1	63.1	0.0	-0.3	322.7	8.17	98.1
04.20.2021	09:07:46	S	3344.38	W	1605.77	3.4	4.8	0.7	51.8	62.6	-0.1	-0.3	322.4	8.22	98.0
04.20.2021	09:08:46	S	3344.39	W	1605.51	10.3	4.7	2.2	50.8	62.5	-0.1	-0.3	321.0	8.19	98.0
04.20.2021	09:09:46	S	3344.39	W	1605.28	3.2	4.7	0.6	51.7	62.5	-0.1	-0.3	319.5	8.19	98.0
04.20.2021	09:10:47	S	3344.4	W	1605.05	8.0	4.8	1.6	49.8	61.6	-0.1	-0.3	319.3	8.19	98.0
04.20.2021	09:11:47	S	3344.4	W	1604.8	5.9	4.8	1.2	51.1	62.3	0.0	-0.2	316.8	8.17	98.4
04.20.2021	09:12:47	S	3344.41	W	1604.56	9.3	4.8	1.9	50.2	62.3	-0.0	-0.2	315.8	8.14	98.1
04.20.2021	09:13:47	S	3344.42	W	1604.35	9.4	4.7	2.0	49.9	62.2	-0.1	-0.3	315.8	8.15	98.0
04.20.2021	09:14:47	S	3344.42	W	1604.11	5.1	4.7	1.0	50.8	61.6	-0.1	-0.3	316.7	8.15	98.0
04.20.2021	09:15:47	S	3344.43	W	1603.84	10.2	4.7	2.1	50.5	61.5	-0.1	-0.3	319.3	8.13	98.2
04.20.2021	09:16:47	S	3344.43	W	1603.61	4.6	4.8	0.9	51.3	65.2	-0.0	-0.2	317.0	8.23	98.4
04.20.2021	09:17:47	S	3344.44	W	1603.36	11.8	4.7	2.4	50.6	65.6	0.1	-0.2	321.0	8.22	98.0
04.20.2021	09:18:47	S	3344.45	W	1603.13	3.1	4.8	0.6	51.4	66.1	-0.1	-0.4	322.3	8.19	98.2
04.20.2021	09:19:47	S	3344.45	W	1602.9	10.5	4.8	2.1	51.3	59.8	-0.1	-0.3	322.1	8.15	98.0
04.20.2021	09:20:44	S	3344.46	W	1602.63	4.6	4.8	0.9	50.2	59.2	-0.0	-0.3	322.6	8.13	98.2
04.20.2021	09:21:44	S	3344.46	W	1602.38	9.6	4.8	1.9	50.7	59.2	-0.1	-0.3	322.7	8.13	98.2
04.20.2021	09:22:44	S	3344.47	W	1602.18	5.6	4.8	1.1	50.4	59.9	0.0	-0.2	322.2	8.13	98.2
04.20.2021	09:23:44	S	3344.47	W	1601.91	6.7	4.8	1.3	51.3	59.5	-0.0	-0.3	321.8	8.13	98.2
04.20.2021	09:24:44	S	3344.48	W	1601.66	8.2	4.8	1.6	52.1	59.2	0.0	-0.2	321.4	8.15	98.0
04.20.2021	09:25:44	S	3344.48	W	1601.41	6.4	4.8	1.3	51.8	59.5	-0.1	-0.3	318.6	8.22	98.2
04.20.2021	09:26:44	S	3344.49	W	1601.19	8.0	4.8	1.6	51.6	59.7	0.0	-0.3	316.2	8.19	98.0
04.20.2021	09:27:44	S	3344.5	W	1600.96	5.0	4.8	1.0	51.3	58.8	-0.1	-0.3	317.1	8.20	98.1
04.20.2021	09:28:44	S	3344.51	W	1600.71	10.4	4.8	2.1	50.9	58.8	-0.1	-0.3	314.1	8.13	98.2
04.20.2021	09:29:44	S	3344.52	W	1600.49	4.0	4.8	0.8	49.8	58.1	0.0	-0.2	316.9	8.15	98.0

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	09:30:42	S	3344.52	W	1600.22	10.7	4.8	2.2	51.2	57.9	0.1	-0.2	313.9	8.17	98.4	
04.20.2021	09:31:42	S	3344.53	W	1559.97	3.9	4.8	0.8	51.4	60.3	-0.0	-0.2	313.5	8.17	98.4	
04.20.2021	09:32:42	S	3344.54	W	1559.74	12.3	4.8	2.6	52.1	60.2	-0.1	-0.4	318.7	8.12	98.0	
04.20.2021	09:33:42	S	3344.54	W	1559.52	4.9	4.8	1.0	50.1	58.6	-0.2	-0.4	321.1	8.15	98.0	
04.20.2021	09:34:42	S	3344.56	W	1559.26	10.4	4.8	2.1	51.4	59.8	0.1	-0.2	322.6	8.15	98.0	
04.20.2021	09:35:42	S	3344.57	W	1559.04	6.3	4.8	1.3	49.3	59.5	-0.1	-0.4	322.3	8.15	98.0	
04.20.2021	09:36:42	S	3344.58	W	1558.76	9.8	4.8	2.0	51.0	59.0	0.0	-0.2	323.3	8.15	98.0	
04.20.2021	09:37:42	S	3344.59	W	1558.53	5.0	4.8	1.0	49.5	59.2	-0.2	-0.4	322.1	8.15	98.0	
04.20.2021	09:38:42	S	3344.6	W	1558.29	7.8	4.8	1.6	50.6	58.6	-0.1	-0.3	322.8	8.13	98.2	
04.20.2021	09:39:42	S	3344.61	W	1558.08	6.4	4.8	1.3	50.9	58.6	-0.2	-0.4	319.9	8.22	98.0	
04.20.2021	09:40:44	S	3344.63	W	1557.8	5.7	4.7	1.1	50.7	59.6	-0.0	-0.3	322.6	8.22	98.0	
04.20.2021	09:41:44	S	3344.64	W	1557.6	8.6	4.8	1.7	51.7	58.7	-0.2	-0.4	319.6	8.22	98.0	
04.20.2021	09:42:44	S	3344.65	W	1557.32	6.8	4.8	1.4	50.5	65.7	0.0	-0.2	320.4	8.22	98.0	
04.20.2021	09:43:44	S	3344.66	W	1557.08	8.2	4.8	1.6	51.8	65.9	-0.1	-0.3	313.6	8.22	98.0	
04.20.2021	09:44:44	S	3344.67	W	1556.87	6.8	4.8	1.4	51.2	65.9	0.0	-0.2	317.6	8.19	98.0	
04.20.2021	09:45:44	S	3344.69	W	1556.59	10.4	4.8	2.1	50.0	65.4	-0.1	-0.3	313.4	8.19	98.0	
04.20.2021	09:46:44	S	3344.7	W	1556.38	4.4	4.7	0.9	49.9	65.3	-0.1	-0.4	317.4	8.22	98.0	
04.20.2021	09:47:44	S	3344.71	W	1556.12	10.0	4.7	2.1	51.3	64.7	0.0	-0.2	320.0	8.22	98.0	
04.20.2021	09:48:44	S	3344.73	W	1555.86	2.6	4.8	0.5	50.7	65.0	-0.0	-0.3	319.9	8.19	98.0	
04.20.2021	09:49:44	S	3344.74	W	1555.65	10.0	4.7	2.1	49.7	65.0	-0.1	-0.3	321.3	8.22	98.0	
04.20.2021	09:50:44	S	3344.75	W	1555.4	5.7	4.8	1.1	51.1	61.8	-0.2	-0.3	321.9	8.19	98.0	
04.20.2021	09:51:44	S	3344.77	W	1555.14	10.0	4.8	2.0	49.7	62.4	-0.1	-0.4	322.4	8.19	98.0	
04.20.2021	09:52:44	S	3344.78	W	1554.93	5.9	4.7	1.2	49.8	61.4	-0.1	-0.4	322.2	8.19	98.0	
04.20.2021	09:53:44	S	3344.8	W	1554.65	10.7	4.8	2.2	50.9	61.6	-0.1	-0.4	321.8	8.22	98.2	
04.20.2021	09:54:44	S	3344.81	W	1554.45	7.5	4.8	1.5	50.2	61.7	0.0	-0.3	321.8	8.20	98.7	
04.20.2021	09:55:44	S	3344.82	W	1554.21	4.6	4.8	0.9	51.0	61.9	0.0	-0.2	323.2	8.21	98.0	
04.20.2021	09:56:44	S	3344.84	W	1553.94	8.7	4.8	1.7	50.5	61.9	0.0	-0.2	322.5	8.24	98.3	
04.20.2021	09:57:44	S	3344.85	W	1553.68	5.4	4.8	1.1	50.8	61.7	0.0	-0.3	320.6	8.20	98.1	
04.20.2021	09:58:44	S	3344.87	W	1553.45	11.8	4.8	2.4	51.1	63.1	-0.0	-0.2	318.2	8.22	98.2	
04.20.2021	09:59:44	S	3344.89	W	1553.21	4.0	4.7	0.8	49.7	62.9	0.0	-0.2	316.8	8.19	98.0	
04.20.2021	10:00:44	S	3344.91	W	1552.96	12.3	4.7	2.6	51.9	62.7	-0.1	-0.3	315.5	8.22	98.0	
04.20.2021	10:01:44	S	3344.92	W	1552.72	3.8	4.8	0.8	51.3	61.7	0.0	-0.2	315.2	8.19	98.0	
04.20.2021	10:02:44	S	3344.93	W	1552.48	10.8	4.8	2.2	50.0	54.6	0.0	-0.2	318.8	8.22	98.2	
04.20.2021	10:03:44	S	3344.95	W	1552.23	3.2	4.7	0.6	50.7	54.1	-0.1	-0.3	317.0	8.19	98.2	
04.20.2021	10:04:44	S	3344.96	W	1551.99	8.6	4.7	1.8	51.2	54.5	-0.1	-0.3	320.9	8.19	98.0	
04.20.2021	10:05:44	S	3344.98	W	1551.75	8.9	4.8	1.8	50.3	55.3	-0.1	-0.3	320.5	8.19	98.0	
04.20.2021	10:06:44	S	3345	W	1551.5	4.4	4.7	0.9	50.1	55.2	-0.0	-0.3	322.4	8.19	98.0	
04.20.2021	10:07:44	S	3345.01	W	1551.29	10.0	4.7	2.1	50.4	55.5	-0.0	-0.3	322.4	8.22	98.0	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	10:08:44	S	3345.03	W	1551.04	2.9	4.7	0.6	49.5	55.6	-0.0	-0.3	320.9	8.20	98.1
04.20.2021	10:09:44	S	3345.04	W	1550.78	12.5	4.7	2.6	50.5	55.3	0.0	-0.2	320.4	8.22	98.0
04.20.2021	10:10:46	S	3345.06	W	1550.55	2.0	4.7	0.4	51.7	55.4	-0.1	-0.3	321.5	8.20	98.1
04.20.2021	10:11:46	S	3345.07	W	1550.33	10.1	4.7	2.1	49.6	55.4	-0.1	-0.3	322.5	8.19	98.0
04.20.2021	10:12:46	S	3345.09	W	1550.1	3.7	4.7	0.7	50.3	55.5	-0.1	-0.3	319.8	8.22	98.0
04.20.2021	10:13:46	S	3345.11	W	1549.86	12.3	4.7	2.6	51.7	55.1	0.0	-0.3	321.2	8.19	98.2
04.20.2021	10:14:46	S	3345.12	W	1549.63	4.8	4.7	1.0	51.9	55.7	0.0	-0.3	317.8	8.19	98.0
04.20.2021	10:15:46	S	3345.14	W	1549.36	8.2	4.7	1.7	50.7	55.1	-0.0	-0.2	314.0	8.19	98.0
04.20.2021	10:16:46	S	3345.15	W	1549.12	8.9	4.7	1.9	50.7	54.6	-0.1	-0.3	316.1	8.19	98.0
04.20.2021	10:17:46	S	3345.17	W	1548.88	5.8	4.7	1.2	51.1	54.6	-0.1	-0.4	318.6	8.19	98.0
04.20.2021	10:18:46	S	3345.19	W	1548.66	7.9	4.7	1.7	50.4	54.4	-0.0	-0.3	313.5	8.22	98.0
04.20.2021	10:19:46	S	3345.2	W	1548.39	4.9	4.7	1.0	50.8	55.0	-0.0	-0.3	314.9	8.19	98.0
04.20.2021	10:20:48	S	3345.22	W	1548.18	11.6	4.7	2.4	51.5	54.0	-0.1	-0.3	319.0	8.23	98.4
04.20.2021	10:21:48	S	3345.24	W	1547.94	4.5	4.7	0.9	51.5	54.4	-0.0	-0.2	321.3	8.19	98.0
04.20.2021	10:22:48	S	3345.25	W	1547.71	11.2	4.7	2.3	52.0	55.3	-0.1	-0.3	322.7	8.19	98.0
04.20.2021	10:23:48	S	3345.27	W	1547.49	3.5	4.7	0.7	49.9	55.8	0.0	-0.2	322.2	8.19	98.0
04.20.2021	10:24:48	S	3345.29	W	1547.23	8.3	4.7	1.8	50.2	56.1	-0.1	-0.4	321.8	8.19	98.4
04.20.2021	10:25:48	S	3345.3	W	1547.01	5.4	4.7	1.1	51.3	63.5	0.0	-0.2	323.4	8.19	98.0
04.20.2021	10:26:48	S	3345.32	W	1546.75	11.3	4.7	2.4	51.8	62.9	-0.0	-0.3	320.1	8.19	98.0
04.20.2021	10:27:48	S	3345.33	W	1546.55	3.4	4.7	0.7	51.6	63.1	-0.0	-0.2	321.1	8.22	98.2
04.20.2021	10:28:48	S	3345.35	W	1546.3	8.0	4.7	1.7	49.1	61.9	-0.1	-0.4	319.0	8.23	98.1
04.20.2021	10:29:48	S	3345.36	W	1546.05	7.2	4.7	1.5	49.8	62.6	0.1	-0.2	316.8	8.22	98.2
04.20.2021	10:30:50	S	3345.37	W	1545.82	7.6	4.7	1.6	51.7	62.0	0.0	-0.3	316.3	8.21	98.3
04.20.2021	10:31:50	S	3345.38	W	1545.58	7.0	4.8	1.4	52.5	62.0	0.0	-0.2	319.9	8.22	98.5
04.20.2021	10:32:50	S	3345.38	W	1545.33	8.7	4.8	1.7	50.4	61.7	-0.1	-0.3	314.7	8.22	98.5
04.20.2021	10:33:50	S	3345.39	W	1545.13	9.4	4.7	2.0	51.2	61.7	0.0	-0.2	317.3	8.22	98.5
04.20.2021	10:34:50	S	3345.41	W	1544.88	6.0	4.7	1.2	51.3	62.2	-0.0	-0.3	319.2	8.19	98.5
04.20.2021	10:35:50	S	3345.42	W	1544.65	10.6	4.7	2.2	50.3	61.4	-0.0	-0.3	317.7	8.22	98.5
04.20.2021	10:36:50	S	3345.42	W	1544.41	2.6	4.7	0.5	50.3	61.0	-0.1	-0.3	321.9	8.19	98.5
04.20.2021	10:37:50	S	3345.44	W	1544.17	12.7	4.8	2.6	51.4	61.6	0.0	-0.2	321.7	8.12	98.8
04.20.2021	10:38:50	S	3345.45	W	1543.91	2.0	4.8	0.4	51.1	61.7	-0.1	-0.3	321.7	8.21	98.6
04.20.2021	10:39:50	S	3345.46	W	1543.68	13.0	4.7	2.7	52.3	61.6	-0.1	-0.3	321.2	8.20	98.5
04.20.2021	10:40:47	S	3345.47	W	1543.46	2.9	4.7	0.6	51.1	62.3	-0.1	-0.4	321.7	8.22	98.5
04.20.2021	10:41:47	S	3345.48	W	1543.21	12.9	4.7	2.7	50.4	61.8	-0.1	-0.3	321.6	8.22	98.5
04.20.2021	10:42:47	S	3345.49	W	1542.99	3.5	4.7	0.7	49.3	61.8	-0.1	-0.3	322.6	8.21	98.6
04.20.2021	10:43:47	S	3345.5	W	1542.73	10.6	4.7	2.2	51.4	61.8	-0.1	-0.4	321.6	8.22	98.8
04.20.2021	10:44:47	S	3345.51	W	1542.5	3.5	4.8	0.7	51.5	62.2	-0.1	-0.3	320.3	8.16	98.5
04.20.2021	10:45:47	S	3345.52	W	1542.28	8.9	4.7	1.9	51.6	54.8	-0.0	-0.3	320.1	8.22	98.8

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	10:46:47	S	3345.53	W	1542.05	6.0	4.7	1.2	51.3	54.6	-0.0	-0.2	317.4	8.22	98.5
04.20.2021	10:47:47	S	3345.54	W	1541.81	7.1	4.7	1.4	51.0	57.4	-0.2	-0.3	318.0	8.22	98.8
04.20.2021	10:48:47	S	3345.55	W	1541.6	8.8	4.7	1.9	51.2	56.9	-0.0	-0.3	315.7	8.22	98.5
04.20.2021	10:49:47	S	3345.56	W	1541.34	6.2	4.7	1.2	51.5	57.3	-0.1	-0.3	317.6	8.19	98.8
04.20.2021	10:50:45	S	3345.57	W	1541.07	10.5	4.7	2.2	52.4	57.5	-0.1	-0.3	315.1	8.22	98.5
04.20.2021	10:51:45	S	3345.57	W	1540.84	5.5	4.8	1.1	51.4	56.8	-0.1	-0.3	316.2	8.22	98.5
04.20.2021	10:52:45	S	3345.58	W	1540.62	13.2	4.7	2.7	51.4	56.0	-0.1	-0.3	319.4	8.22	98.5
04.20.2021	10:53:45	S	3345.58	W	1540.36	6.3	4.7	1.3	51.8	55.8	0.0	-0.3	322.0	8.22	98.5
04.20.2021	10:54:45	S	3345.59	W	1540.13	13.0	4.7	2.7	52.5	55.9	-0.0	-0.3	322.8	8.19	98.5
04.20.2021	10:55:45	S	3345.59	W	1539.89	6.3	4.7	1.3	51.0	56.4	-0.0	-0.2	321.9	8.22	98.5
04.20.2021	10:56:45	S	3345.6	W	1539.68	11.4	4.7	2.4	50.4	55.3	-0.1	-0.3	322.7	8.22	98.5
04.20.2021	10:57:45	S	3345.59	W	1539.43	7.0	4.7	1.5	52.1	55.6	-0.1	-0.4	322.5	8.22	98.5
04.20.2021	10:58:45	S	3345.58	W	1539.18	11.8	4.7	2.5	51.1	54.9	-0.0	-0.3	321.5	8.22	98.5
04.20.2021	10:59:45	S	3345.57	W	1538.94	10.0	4.7	2.1	50.8	55.3	0.0	-0.2	323.1	8.22	98.5
04.20.2021	11:00:48	S	3345.56	W	1538.74	9.8	4.7	2.1	53.8	55.3	-0.0	-0.2	320.8	8.19	98.5
04.20.2021	11:01:48	S	3345.54	W	1538.47	10.8	4.7	2.3	51.4	54.8	-0.1	-0.3	319.5	8.22	98.5
04.20.2021	11:02:48	S	3345.53	W	1538.24	7.4	4.7	1.5	51.3	54.5	-0.0	-0.2	316.2	8.22	98.5
04.20.2021	11:03:48	S	3345.53	W	1538.01	13.3	4.7	2.8	51.8	54.8	0.0	-0.2	315.1	8.19	98.5
04.20.2021	11:04:48	S	3345.52	W	1537.77	5.2	4.7	1.0	52.4	57.2	-0.1	-0.3	314.5	8.16	98.5
04.20.2021	11:05:48	S	3345.51	W	1537.53	12.2	4.7	2.5	51.4	56.5	-0.1	-0.3	315.5	8.19	98.5
04.20.2021	11:06:48	S	3345.49	W	1537.32	5.2	4.7	1.0	52.3	56.4	-0.1	-0.3	317.5	8.19	98.5
04.20.2021	11:07:48	S	3345.48	W	1537.08	13.5	4.7	2.8	51.2	56.2	-0.0	-0.3	319.7	8.22	98.5
04.20.2021	11:08:48	S	3345.47	W	1536.82	5.9	4.7	1.2	52.1	54.2	0.0	-0.2	320.9	8.19	98.5
04.20.2021	11:09:48	S	3345.46	W	1536.59	12.8	4.7	2.7	51.9	54.0	0.0	-0.2	320.8	8.13	98.5
04.20.2021	11:10:44	S	3345.45	W	1536.37	6.2	4.7	1.2	51.7	55.7	-0.0	-0.3	320.7	8.19	98.5
04.20.2021	11:11:44	S	3345.44	W	1536.15	12.2	4.7	2.5	52.1	54.7	-0.0	-0.3	321.7	8.22	98.5
04.20.2021	11:12:44	S	3345.43	W	1535.88	8.2	4.7	1.7	51.2	55.1	0.0	-0.3	322.2	8.13	98.5
04.20.2021	11:13:44	S	3345.42	W	1535.65	8.4	4.7	1.8	52.0	55.2	-0.1	-0.3	322.6	8.19	98.5
04.20.2021	11:14:44	S	3345.41	W	1535.41	10.0	4.7	2.1	51.2	59.5	-0.0	-0.3	323.1	8.16	98.5
04.20.2021	11:15:44	S	3345.39	W	1535.2	8.2	4.7	1.7	50.2	58.7	-0.1	-0.3	319.9	8.13	98.5
04.20.2021	11:16:44	S	3345.38	W	1534.93	11.3	4.7	2.4	51.6	59.2	-0.1	-0.3	319.7	8.13	98.5
04.20.2021	11:17:44	S	3345.37	W	1534.7	9.4	4.7	2.0	52.0	66.1	0.0	-0.2	316.0	8.19	98.5
04.20.2021	11:18:44	S	3345.36	W	1534.48	11.8	4.7	2.5	52.8	65.7	-0.0	-0.3	319.5	8.19	98.5
04.20.2021	11:19:44	S	3345.35	W	1534.24	7.8	4.7	1.6	53.6	65.8	-0.1	-0.3	313.5	8.13	98.5
04.20.2021	11:20:50	S	3345.35	W	1533.98	14.2	4.7	2.9	51.2	67.6	-0.1	-0.2	319.0	8.16	98.5
04.20.2021	11:21:50	S	3345.34	W	1533.77	7.1	4.7	1.4	50.8	66.4	-0.1	-0.3	312.2	8.13	98.5
04.20.2021	11:22:50	S	3345.34	W	1533.54	11.8	4.7	2.5	50.4	66.1	-0.1	-0.3	316.8	8.16	98.5
04.20.2021	11:23:50	S	3345.33	W	1533.31	7.3	4.7	1.5	51.8	65.0	-0.1	-0.3	316.5	8.13	98.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	11:24:50	S	3345.33	W	1533.06	14.0	4.7	2.9	52.5	64.8	-0.1	-0.3	320.5	8.13	98.5
04.20.2021	11:25:50	S	3345.33	W	1532.81	7.9	4.8	1.6	51.1	65.5	-0.1	-0.2	321.9	8.13	98.5
04.20.2021	11:26:50	S	3345.33	W	1532.6	9.4	4.7	2.0	50.3	65.7	-0.1	-0.3	323.2	8.16	98.5
04.20.2021	11:27:50	S	3345.33	W	1532.33	10.0	4.7	2.1	50.5	65.7	-0.1	-0.3	322.2	8.13	98.5
04.20.2021	11:28:50	S	3345.33	W	1532.12	5.0	4.7	1.0	52.6	66.2	0.0	-0.2	322.9	8.13	98.5
04.20.2021	11:29:50	S	3345.33	W	1531.92	11.6	4.7	2.4	52.9	66.1	0.0	-0.2	322.0	8.16	98.5
04.20.2021	11:30:42	S	3345.33	W	1531.64	7.2	4.8	1.4	52.6	65.5	-0.1	-0.3	322.3	8.19	98.5
04.20.2021	11:31:42	S	3345.33	W	1531.43	16.0	4.8	3.3	51.5	65.6	-0.1	-0.3	321.7	8.16	98.5
04.20.2021	11:32:42	S	3345.35	W	1531.18	7.2	4.7	1.5	49.7	65.9	0.0	-0.2	320.6	8.13	98.5
04.20.2021	11:33:42	S	3345.36	W	1530.95	13.4	4.7	2.8	48.8	58.6	-0.1	-0.3	321.9	8.13	98.5
04.20.2021	11:34:42	S	3345.38	W	1530.71	6.0	4.7	1.2	49.8	59.5	0.0	-0.2	317.2	8.13	98.5
04.20.2021	11:35:42	S	3345.38	W	1530.46	15.0	4.8	3.1	50.9	58.4	-0.1	-0.3	316.5	8.13	98.5
04.20.2021	11:36:42	S	3345.38	W	1530.23	5.7	4.8	1.1	54.5	58.1	-0.1	-0.4	316.1	8.13	98.5
04.20.2021	11:37:42	S	3345.39	W	1530	12.0	4.8	2.5	52.4	58.0	-0.1	-0.4	314.8	8.13	98.5
04.20.2021	11:38:42	S	3345.41	W	1529.76	11.0	4.7	2.3	52.4	57.9	0.0	-0.2	315.6	8.15	98.8
04.20.2021	11:39:42	S	3345.43	W	1529.53	7.0	4.7	1.4	49.8	57.3	-0.1	-0.4	322.2	8.19	98.5
04.20.2021	11:40:51	S	3345.43	W	1529.48	13.7	4.7	2.8	51.1	57.5	-0.2	-0.4	318.7	8.19	98.5
04.20.2021	11:41:51	S	3345.46	W	1529.04	8.0	4.7	1.7	51.3	57.2	-0.1	-0.3	320.3	8.13	98.5
04.20.2021	11:42:51	S	3345.47	W	1528.84	13.9	4.8	2.9	51.8	58.8	-0.1	-0.4	322.9	8.16	98.5
04.20.2021	11:43:51	S	3345.49	W	1528.59	6.0	4.7	1.2	50.1	58.4	-0.0	-0.2	322.4	8.13	98.5
04.20.2021	11:44:51	S	3345.5	W	1528.36	13.2	4.7	2.7	52.8	58.4	-0.1	-0.3	321.6	8.16	98.5
04.20.2021	11:45:51	S	3345.52	W	1528.13	6.5	4.7	1.3	51.2	55.4	-0.1	-0.2	322.7	8.12	98.8
04.20.2021	11:46:51	S	3345.54	W	1527.87	12.6	4.7	2.6	50.7	55.0	0.0	-0.2	321.2	8.13	98.5
04.20.2021	11:47:51	S	3345.55	W	1527.66	7.0	4.7	1.4	52.2	54.6	0.0	-0.2	320.0	8.13	98.5
04.20.2021	11:48:51	S	3345.57	W	1527.41	14.0	4.7	2.9	52.0	54.4	-0.1	-0.3	320.3	8.16	98.5
04.20.2021	11:49:51	S	3345.58	W	1527.19	7.7	4.7	1.6	51.4	55.5	-0.1	-0.3	318.4	8.13	98.5
04.20.2021	11:50:46	S	3345.6	W	1526.95	12.2	4.7	2.5	51.7	55.3	-0.0	-0.2	317.2	8.13	98.5
04.20.2021	11:51:46	S	3345.62	W	1526.7	7.4	4.7	1.5	52.9	55.3	-0.0	-0.3	317.6	8.13	98.5
04.20.2021	11:52:46	S	3345.64	W	1526.49	8.3	4.7	1.8	51.9	54.2	0.0	-0.3	313.3	8.13	98.5
04.20.2021	11:53:46	S	3345.66	W	1526.24	10.1	4.7	2.1	50.3	53.9	-0.1	-0.3	313.2	8.13	98.5
04.20.2021	11:54:46	S	3345.67	W	1526.03	10.0	4.7	2.1	52.2	56.4	-0.0	-0.2	315.0	8.16	98.5
04.20.2021	11:55:46	S	3345.69	W	1525.8	11.1	4.7	2.3	50.6	55.9	-0.1	-0.3	321.1	8.13	98.5
04.20.2021	11:56:46	S	3345.71	W	1525.57	5.2	4.7	1.0	51.9	55.5	-0.1	-0.3	321.1	8.13	98.5
04.20.2021	11:57:46	S	3345.73	W	1525.33	15.0	4.8	3.1	51.4	56.8	0.0	-0.2	321.2	8.16	98.5
04.20.2021	11:58:46	S	3345.75	W	1525.1	5.0	4.8	1.0	53.6	55.3	-0.1	-0.3	322.9	8.13	98.5
04.20.2021	11:59:46	S	3345.76	W	1524.85	14.0	4.8	2.9	50.6	55.2	0.0	-0.3	322.6	8.16	98.5
04.20.2021	12:00:45	S	3345.78	W	1524.63	5.3	4.8	1.1	51.5	62.8	-0.0	-0.2	321.4	8.13	98.5
04.20.2021	12:01:45	S	3345.8	W	1524.4	11.1	4.8	2.3	50.7	62.6	0.0	-0.2	321.5	8.13	98.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	12:02:45	S	3345.82	W	1524.16	6.0	4.7	1.2	52.0	61.5	-0.0	-0.3	320.0	8.16	98.5
04.20.2021	12:03:45	S	3345.84	W	1523.93	11.4	4.8	2.4	51.8	62.6	-0.1	-0.3	321.5	8.13	98.5
04.20.2021	12:04:45	S	3345.86	W	1523.67	7.0	4.8	1.4	51.6	61.4	-0.0	-0.3	317.4	8.12	98.8
04.20.2021	12:05:45	S	3345.87	W	1523.45	10.8	4.8	2.2	51.0	61.5	-0.1	-0.3	322.0	8.13	98.5
04.20.2021	12:06:45	S	3345.89	W	1523.22	9.2	4.7	1.9	51.4	62.1	-0.0	-0.3	316.0	8.13	98.5
04.20.2021	12:07:45	S	3345.91	W	1522.98	7.3	4.8	1.5	52.5	62.1	-0.0	-0.3	317.7	8.13	98.5
04.20.2021	12:08:45	S	3345.93	W	1522.72	11.2	4.7	2.3	51.4	61.1	-0.1	-0.4	313.5	8.13	98.5
04.20.2021	12:09:45	S	3345.95	W	1522.5	5.5	4.8	1.1	50.0	61.0	0.0	-0.2	315.0	8.13	98.5
04.20.2021	12:10:51	S	3345.96	W	1522.26	12.7	4.7	2.6	52.4	60.3	-0.1	-0.3	315.1	8.16	98.5
04.20.2021	12:11:51	S	3345.98	W	1522.05	4.5	4.8	0.9	52.0	60.7	-0.0	-0.3	317.8	8.13	98.5
04.20.2021	12:12:51	S	3346	W	1521.81	14.1	4.7	2.9	51.3	60.3	-0.1	-0.4	320.5	8.13	98.5
04.20.2021	12:13:51	S	3346.01	W	1521.58	5.3	4.8	1.1	52.5	61.0	-0.1	-0.3	322.0	8.16	98.5
04.20.2021	12:14:51	S	3346.03	W	1521.33	13.0	4.8	2.7	51.8	61.8	0.0	-0.3	322.3	8.13	98.5
04.20.2021	12:15:51	S	3346.05	W	1521.12	8.6	4.8	1.7	51.3	61.3	0.0	-0.3	321.3	8.16	98.5
04.20.2021	12:16:51	S	3346.07	W	1520.87	10.3	4.8	2.1	51.5	61.7	-0.1	-0.3	321.9	8.13	98.5
04.20.2021	12:17:51	S	3346.09	W	1520.62	10.3	4.7	2.2	51.6	62.5	-0.1	-0.3	322.5	8.13	98.5
04.20.2021	12:18:51	S	3346.1	W	1520.39	10.1	4.7	2.1	50.6	62.4	-0.1	-0.4	321.9	8.13	98.5
04.20.2021	12:19:51	S	3346.12	W	1520.17	12.0	4.7	2.5	50.4	62.3	-0.1	-0.3	321.7	8.16	98.5
04.20.2021	12:20:44	S	3346.14	W	1519.96	5.1	4.8	1.0	51.0	54.4	-0.0	-0.2	321.1	8.13	98.5
04.20.2021	12:21:44	S	3346.16	W	1519.68	14.7	4.7	3.0	51.6	55.4	-0.1	-0.3	320.7	8.16	98.5
04.20.2021	12:22:44	S	3346.18	W	1519.44	5.4	4.8	1.1	51.0	55.0	-0.0	-0.3	318.6	8.15	98.7
04.20.2021	12:23:44	S	3346.2	W	1519.2	15.1	4.7	3.1	49.5	54.8	0.0	-0.2	317.2	8.16	98.5
04.20.2021	12:24:44	S	3346.22	W	1518.99	5.4	4.8	1.1	50.2	54.9	-0.0	-0.3	317.0	8.16	98.5
04.20.2021	12:25:44	S	3346.23	W	1518.76	13.0	4.7	2.7	51.8	55.0	-0.0	-0.3	319.6	8.19	98.5
04.20.2021	12:26:44	S	3346.26	W	1518.52	7.0	4.8	1.4	51.3	54.6	-0.1	-0.3	318.8	8.16	98.5
04.20.2021	12:27:44	S	3346.28	W	1518.29	10.8	4.8	2.2	51.0	54.3	-0.0	-0.2	318.1	8.13	98.5
04.20.2021	12:28:44	S	3346.3	W	1518.03	9.1	4.7	1.9	51.3	54.1	-0.1	-0.3	319.2	8.13	98.5
04.20.2021	12:29:44	S	3346.32	W	1517.79	9.6	4.7	2.0	51.6	57.4	-0.1	-0.4	322.3	8.16	98.5
04.20.2021	12:30:46	S	3346.33	W	1517.58	11.7	4.8	2.4	52.3	57.2	-0.1	-0.4	320.6	8.16	98.5
04.20.2021	12:31:46	S	3346.35	W	1517.33	6.7	4.8	1.3	51.8	57.4	0.0	-0.2	323.2	8.13	98.5
04.20.2021	12:32:46	S	3346.37	W	1517.11	14.6	4.8	3.0	51.0	54.7	-0.1	-0.3	323.2	8.16	98.5
04.20.2021	12:33:46	S	3346.39	W	1516.85	4.6	4.8	0.9	50.2	54.7	-0.0	-0.3	321.6	8.16	98.5
04.20.2021	12:34:46	S	3346.41	W	1516.64	14.2	4.8	2.9	51.6	54.9	-0.0	-0.3	321.4	8.16	98.5
04.20.2021	12:35:46	S	3346.43	W	1516.37	4.2	4.8	0.8	49.7	54.8	-0.1	-0.3	321.1	8.13	98.5
04.20.2021	12:36:46	S	3346.45	W	1516.15	14.5	4.8	3.0	50.4	54.3	-0.2	-0.4	319.9	8.13	98.5
04.20.2021	12:37:46	S	3346.46	W	1515.94	5.3	4.7	1.1	51.0	54.2	0.0	-0.2	320.1	8.13	98.5
04.20.2021	12:38:46	S	3346.48	W	1515.71	13.8	4.8	2.9	50.5	54.1	-0.1	-0.4	316.3	8.13	98.5
04.20.2021	12:39:46	S	3346.5	W	1515.45	10.1	4.7	2.1	50.9	55.1	0.1	-0.2	315.5	8.13	98.5

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	12:40:45	S	3346.52	W	1515.21	9.8	4.8	2.0	52.2	54.1	-0.1	-0.3	314.6	8.16	98.5	
04.20.2021	12:41:45	S	3346.54	W	1514.97	10.5	4.8	2.1	51.6	53.8	-0.1	-0.4	314.9	8.16	98.5	
04.20.2021	12:42:45	S	3346.55	W	1514.76	7.3	4.8	1.5	50.3	53.8	-0.0	-0.3	316.6	8.16	98.5	
04.20.2021	12:43:45	S	3346.57	W	1514.48	14.7	4.8	3.0	50.7	60.6	-0.1	-0.4	312.1	8.16	98.5	
04.20.2021	12:44:45	S	3346.58	W	1514.3	5.0	4.7	1.0	51.0	60.3	-0.1	-0.3	319.9	8.13	98.5	
04.20.2021	12:45:45	S	3346.59	W	1514.05	16.3	4.8	3.4	52.0	61.6	-0.0	-0.2	320.3	8.13	98.5	
04.20.2021	12:46:45	S	3346.6	W	1513.81	4.3	4.8	0.9	51.5	62.7	0.1	-0.2	322.8	8.16	98.5	
04.20.2021	12:47:45	S	3346.61	W	1513.57	16.8	4.8	3.5	50.6	62.5	0.0	-0.3	323.4	8.16	98.5	
04.20.2021	12:48:45	S	3346.61	W	1513.32	6.9	4.8	1.4	52.3	61.9	-0.0	-0.3	322.4	8.16	98.5	
04.20.2021	12:49:45	S	3346.62	W	1513.11	12.4	4.7	2.6	51.9	61.9	-0.0	-0.3	322.2	8.16	98.5	
04.20.2021	12:50:49	S	3346.63	W	1512.84	7.4	4.7	1.5	51.2	61.7	-0.1	-0.3	323.0	8.19	98.5	
04.20.2021	12:51:49	S	3346.64	W	1512.58	11.2	4.8	2.3	51.5	62.0	0.0	-0.2	320.9	8.13	98.5	
04.20.2021	12:52:49	S	3346.64	W	1512.37	11.8	4.7	2.5	51.4	62.2	-0.0	-0.3	321.3	8.16	98.5	
04.20.2021	12:53:49	S	3346.65	W	1512.13	11.2	4.8	2.3	50.5	62.5	-0.0	-0.3	318.1	8.16	98.5	
04.20.2021	12:54:49	S	3346.65	W	1511.88	9.9	4.8	2.0	52.6	64.7	-0.0	-0.2	322.0	8.16	98.5	
04.20.2021	12:55:49	S	3346.66	W	1511.63	5.6	4.8	1.1	51.7	64.9	-0.0	-0.3	314.7	8.16	98.5	
04.20.2021	12:56:49	S	3346.66	W	1511.39	14.0	4.8	2.9	49.9	62.4	-0.1	-0.3	316.6	8.13	98.5	
04.20.2021	12:57:49	S	3346.66	W	1511.17	5.5	4.7	1.1	51.3	62.0	-0.0	-0.3	312.5	8.13	98.5	
04.20.2021	12:58:49	S	3346.67	W	1510.94	14.5	4.8	3.0	52.7	61.8	-0.1	-0.3	315.3	8.13	98.5	
04.20.2021	12:59:49	S	3346.67	W	1510.69	5.0	4.8	1.0	51.8	61.3	-0.0	-0.2	317.9	8.19	98.5	
04.20.2021	13:00:46	S	3346.67	W	1510.43	12.2	4.7	2.5	50.6	62.8	-0.0	-0.3	318.7	8.13	98.5	
04.20.2021	13:01:46	S	3346.68	W	1510.17	8.0	4.8	1.6	50.9	54.0	0.0	-0.2	322.1	8.13	98.5	
04.20.2021	13:02:46	S	3346.68	W	1509.97	9.9	4.7	2.1	50.8	54.6	-0.0	-0.2	322.3	8.13	98.5	
04.20.2021	13:03:46	S	3346.68	W	1509.72	8.8	4.7	1.9	52.0	54.9	-0.1	-0.3	322.4	8.16	98.5	
04.20.2021	13:04:46	S	3346.69	W	1509.52	7.2	4.8	1.4	50.5	54.5	-0.1	-0.3	323.3	8.15	98.8	
04.20.2021	13:05:46	S	3346.69	W	1509.41	13.6	4.7	2.8	51.7	54.7	-0.1	-0.3	322.0	8.19	98.5	
04.20.2021	13:06:46	S	3346.7	W	1509	7.2	4.7	1.5	51.2	54.5	-0.1	-0.3	322.2	8.13	98.5	
04.20.2021	13:07:46	S	3346.7	W	1508.74	15.4	4.7	3.2	52.0	54.8	0.0	-0.2	321.5	8.13	98.5	
04.20.2021	13:08:46	S	3346.71	W	1508.51	6.2	4.8	1.2	51.6	55.4	-0.0	-0.2	321.0	8.19	98.5	
04.20.2021	13:09:46	S	3346.71	W	1508.26	13.6	4.7	2.8	51.0	55.3	0.0	-0.2	319.5	8.13	98.5	
04.20.2021	13:10:48	S	3346.72	W	1508.04	8.4	4.8	1.7	52.0	55.5	0.0	-0.2	319.0	8.13	98.5	
04.20.2021	13:11:48	S	3346.72	W	1507.78	10.4	4.7	2.2	51.3	57.7	-0.1	-0.3	318.1	8.13	98.5	
04.20.2021	13:12:48	S	3346.72	W	1507.54	10.6	4.7	2.2	49.4	54.8	0.0	-0.3	316.0	8.13	98.5	
04.20.2021	13:13:48	S	3346.73	W	1507.31	9.0	4.7	1.9	50.2	54.4	-0.1	-0.3	315.5	8.13	98.5	
04.20.2021	13:14:48	S	3346.73	W	1507.03	13.5	4.7	2.8	51.7	54.9	-0.0	-0.3	318.0	8.16	98.5	
04.20.2021	13:15:48	S	3346.73	W	1506.8	4.9	4.8	1.0	52.3	55.0	-0.1	-0.3	317.3	8.13	98.5	
04.20.2021	13:16:48	S	3346.73	W	1506.58	15.2	4.8	3.1	49.8	54.7	-0.1	-0.3	319.2	8.13	98.5	
04.20.2021	13:17:48	S	3346.74	W	1506.34	6.3	4.7	1.3	50.5	57.5	-0.1	-0.3	321.4	8.16	98.5	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	13:18:48	S	3346.74	W	1506.09	11.6	4.7	2.4	50.6	58.3	-0.1	-0.3	322.6	8.16	98.5	
04.20.2021	13:19:48	S	3346.75	W	1505.84	6.5	4.8	1.3	50.7	57.9	-0.1	-0.3	322.7	8.13	98.5	
04.20.2021	13:20:49	S	3346.75	W	1505.6	10.8	4.8	2.2	51.4	58.3	-0.1	-0.3	322.4	8.15	98.8	
04.20.2021	13:21:49	S	3346.75	W	1505.34	11.2	4.7	2.3	50.7	58.7	-0.1	-0.3	323.1	8.16	98.5	
04.20.2021	13:22:49	S	3346.76	W	1505.11	7.7	4.7	1.6	49.7	58.1	-0.1	-0.3	317.8	8.13	98.5	
04.20.2021	13:23:49	S	3346.76	W	1504.86	11.5	4.7	2.4	51.0	58.0	-0.1	-0.4	322.3	8.16	98.5	
04.20.2021	13:24:49	S	3346.76	W	1504.64	8.5	4.8	1.7	51.7	58.4	-0.1	-0.3	320.6	8.13	98.5	
04.20.2021	13:25:49	S	3346.76	W	1504.38	15.0	4.8	3.1	50.1	58.2	-0.1	-0.3	319.9	8.13	98.5	
04.20.2021	13:26:49	S	3346.76	W	1504.13	5.4	4.7	1.1	51.2	58.1	-0.1	-0.3	316.8	8.16	98.5	
04.20.2021	13:27:49	S	3346.76	W	1503.9	11.5	4.8	2.4	51.1	57.9	-0.0	-0.2	315.9	8.16	98.5	
04.20.2021	13:28:49	S	3346.77	W	1503.66	7.5	4.8	1.5	50.2	57.5	-0.1	-0.3	315.3	8.19	98.5	
04.20.2021	13:29:49	S	3346.77	W	1503.42	9.2	4.7	1.9	52.6	57.5	-0.2	-0.3	315.0	8.16	98.5	
04.20.2021	13:30:49	S	3346.77	W	1503.16	9.6	4.8	1.9	51.3	57.1	-0.0	-0.3	312.9	8.16	98.5	
04.20.2021	13:31:49	S	3346.77	W	1502.94	9.9	4.8	2.0	50.2	57.0	0.0	-0.2	320.1	8.16	98.5	
04.20.2021	13:32:49	S	3346.77	W	1502.68	10.6	4.8	2.1	51.4	57.3	0.0	-0.2	320.4	8.16	98.5	
04.20.2021	13:33:49	S	3346.78	W	1502.44	7.6	4.8	1.5	51.3	58.2	-0.1	-0.3	321.6	8.13	98.5	
04.20.2021	13:34:49	S	3346.78	W	1502.21	12.9	4.8	2.7	51.5	58.4	0.0	-0.2	321.4	8.13	98.5	
04.20.2021	13:35:49	S	3346.79	W	1501.98	5.0	4.8	1.0	50.4	65.2	-0.1	-0.3	322.8	8.13	98.5	
04.20.2021	13:36:49	S	3346.79	W	1501.73	13.7	4.8	2.8	50.1	65.0	-0.1	-0.3	323.0	8.19	98.5	
04.20.2021	13:37:49	S	3346.79	W	1501.49	8.4	4.8	1.7	49.9	67.9	-0.1	-0.3	321.4	8.19	98.5	
04.20.2021	13:38:49	S	3346.79	W	1501.26	12.7	4.8	2.6	51.5	68.1	-0.0	-0.3	322.2	8.16	98.5	
04.20.2021	13:39:49	S	3346.79	W	1501.01	8.9	4.8	1.8	51.6	65.5	0.1	-0.2	321.0	8.19	98.5	
04.20.2021	13:40:49	S	3346.79	W	1500.76	11.5	4.8	2.4	51.6	65.0	-0.1	-0.3	316.9	8.19	98.5	
04.20.2021	13:41:49	S	3346.8	W	1500.5	8.3	4.8	1.7	51.0	65.2	-0.1	-0.3	318.2	8.22	98.5	
04.20.2021	13:42:49	S	3346.8	W	1500.28	9.0	4.8	1.8	53.6	66.8	-0.0	-0.3	315.6	8.22	98.5	
04.20.2021	13:43:49	S	3346.81	W	1500.03	12.8	4.8	2.6	49.7	66.0	-0.1	-0.4	318.8	8.22	98.5	
04.20.2021	13:44:49	S	3346.82	W	1459.79	6.4	4.8	1.3	50.8	65.0	-0.1	-0.3	313.3	8.22	98.5	
04.20.2021	13:45:49	S	3346.82	W	1459.56	12.4	4.8	2.6	52.1	62.0	-0.1	-0.3	316.3	8.22	98.5	
04.20.2021	13:46:49	S	3346.84	W	1459.29	7.0	4.8	1.4	52.5	61.2	-0.1	-0.3	314.1	8.22	98.5	
04.20.2021	13:47:49	S	3346.86	W	1459.06	14.4	4.8	3.0	50.8	61.2	-0.1	-0.3	319.3	8.22	98.5	
04.20.2021	13:48:49	S	3346.87	W	1458.83	6.4	4.7	1.3	50.5	61.2	0.0	-0.2	320.9	8.22	98.5	
04.20.2021	13:49:49	S	3346.89	W	1458.58	13.0	4.8	2.7	51.7	61.2	-0.1	-0.3	321.4	8.22	98.5	
04.20.2021	13:50:48	S	3346.9	W	1458.35	7.9	0.5	8.9	50.7	61.5	-0.1	-0.3	322.3	8.22	98.5	
04.20.2021	13:51:48	S	3346.91	W	1458.07	13.1	4.5	2.8	49.6	54.5	-0.1	-0.2	323.1	8.19	98.5	
04.20.2021	13:52:48	S	3346.92	W	1457.85	10.0	4.8	2.0	49.7	54.4	-0.0	-0.3	323.2	8.19	98.8	
04.20.2021	13:53:48	S	3346.94	W	1457.61	10.1	4.8	2.0	51.3	54.2	-0.1	-0.3	323.2	8.22	98.5	
04.20.2021	13:54:48	S	3346.96	W	1457.37	11.9	4.8	2.4	49.7	54.3	-0.1	-0.3	321.1	8.16	98.5	
04.20.2021	13:55:48	S	3346.96	W	1457.29	6.8	4.8	1.4	52.3	54.4	0.0	-0.2	319.9	8.22	98.5	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	13:56:48	S	3346.98	W	1456.88	13.5	4.8	2.8	51.7	54.6	-0.1	-0.3	319.6	8.22	98.5
04.20.2021	13:57:48	S	3347	W	1456.63	5.6	4.8	1.1	52.4	54.9	0.0	-0.3	319.8	8.19	98.5
04.20.2021	13:58:48	S	3347.01	W	1456.39	13.7	4.8	2.8	50.7	54.9	-0.1	-0.3	316.0	8.22	98.5
04.20.2021	13:59:48	S	3347.02	W	1456.14	5.0	4.8	1.0	51.6	54.7	-0.1	-0.3	317.6	8.22	98.5
04.20.2021	14:00:48	S	3347.03	W	1455.92	13.6	4.8	2.8	51.4	54.6	-0.1	-0.3	315.1	8.19	98.5
04.20.2021	14:01:48	S	3347.04	W	1455.65	6.5	4.8	1.3	52.1	55.3	-0.0	-0.3	317.6	8.22	98.5
04.20.2021	14:02:48	S	3347.05	W	1455.43	14.8	4.8	3.1	51.3	54.3	-0.1	-0.3	314.1	8.22	98.5
04.20.2021	14:03:48	S	3347.06	W	1455.19	7.2	4.8	1.4	49.9	54.1	-0.1	-0.3	318.5	8.22	98.5
04.20.2021	14:04:48	S	3347.07	W	1454.95	12.2	4.8	2.5	49.7	54.8	0.0	-0.2	320.5	8.22	98.5
04.20.2021	14:05:48	S	3347.09	W	1454.68	7.7	4.8	1.5	51.5	54.7	-0.0	-0.3	322.1	8.22	98.5
04.20.2021	14:06:48	S	3347.09	W	1454.48	10.5	4.8	2.1	52.4	55.0	0.0	-0.2	322.6	8.22	98.5
04.20.2021	14:07:48	S	3347.1	W	1454.23	11.9	4.8	2.4	51.5	54.7	-0.1	-0.3	321.6	8.22	98.8
04.20.2021	14:08:48	S	3347.12	W	1453.99	7.6	4.8	1.5	49.8	54.3	0.0	-0.2	323.0	8.19	98.5
04.20.2021	14:09:48	S	3347.13	W	1453.73	13.6	4.7	2.8	49.5	56.6	-0.0	-0.2	322.0	8.19	98.5
04.20.2021	14:10:45	S	3347.13	W	1453.52	7.5	4.8	1.5	50.5	57.8	-0.1	-0.3	321.8	8.19	98.5
04.20.2021	14:11:45	S	3347.14	W	1453.21	13.5	4.8	2.8	50.9	57.7	-0.1	-0.4	322.4	8.19	98.5
04.20.2021	14:12:45	S	3347.15	W	1453.01	7.9	4.8	1.6	51.0	62.3	-0.0	-0.3	320.7	8.22	98.5
04.20.2021	14:13:45	S	3347.16	W	1452.76	13.7	4.8	2.8	50.6	61.6	0.0	-0.2	316.7	8.19	98.5
04.20.2021	14:14:45	S	3347.17	W	1452.51	8.1	4.8	1.6	50.8	59.4	-0.0	-0.3	316.0	8.19	98.5
04.20.2021	14:15:45	S	3347.18	W	1452.27	10.9	4.8	2.2	50.6	59.6	0.0	-0.2	315.8	8.22	98.5
04.20.2021	14:16:45	S	3347.18	W	1452.04	11.4	4.8	2.3	50.8	61.5	-0.1	-0.3	312.5	8.22	98.5
04.20.2021	14:17:45	S	3347.2	W	1451.76	7.4	4.8	1.5	50.2	61.1	-0.0	-0.3	313.0	8.22	98.5
04.20.2021	14:18:45	S	3347.2	W	1451.52	12.4	4.8	2.5	50.5	59.6	0.0	-0.2	316.0	8.22	98.5
04.20.2021	14:19:45	S	3347.21	W	1451.3	7.3	4.8	1.5	51.6	59.3	-0.1	-0.3	314.1	8.19	98.5
04.20.2021	14:20:45	S	3347.22	W	1451.06	13.4	4.8	2.8	51.4	59.7	0.0	-0.2	320.9	8.19	98.5
04.20.2021	14:21:45	S	3347.23	W	1450.82	5.5	4.8	1.1	49.9	66.5	-0.1	-0.4	321.6	8.19	98.5
04.20.2021	14:22:45	S	3347.25	W	1450.57	14.4	4.8	3.0	50.6	67.3	-0.1	-0.2	322.7	8.19	98.5
04.20.2021	14:23:45	S	3347.26	W	1450.31	6.5	4.8	1.3	50.7	66.3	-0.1	-0.3	322.5	8.19	98.5
04.20.2021	14:24:45	S	3347.27	W	1450.11	12.6	4.8	2.6	51.5	67.7	-0.0	-0.2	322.6	8.19	98.5
04.20.2021	14:25:45	S	3347.28	W	1449.82	6.6	4.8	1.3	51.1	67.5	-0.0	-0.3	321.7	8.19	98.5
04.20.2021	14:26:45	S	3347.29	W	1449.6	13.4	4.8	2.8	51.8	71.3	-0.1	-0.4	321.2	8.22	98.5
04.20.2021	14:27:45	S	3347.31	W	1449.35	7.1	4.8	1.4	51.4	71.0	-0.0	-0.3	319.8	8.19	98.5
04.20.2021	14:28:45	S	3347.31	W	1449.12	10.9	4.8	2.2	50.6	70.8	-0.1	-0.3	322.4	8.19	98.5
04.20.2021	14:29:45	S	3347.33	W	1448.86	10.3	4.8	2.1	51.2	71.5	-0.1	-0.3	317.0	8.19	98.5
04.20.2021	14:30:45	S	3347.33	W	1448.62	10.7	4.8	2.1	52.5	69.6	0.0	-0.2	319.9	8.19	98.5
04.20.2021	14:31:45	S	3347.34	W	1448.36	11.2	4.8	2.3	51.2	66.4	-0.1	-0.3	312.8	8.22	98.5
04.20.2021	14:32:45	S	3347.35	W	1448.12	8.6	4.8	1.7	50.3	66.3	-0.1	-0.3	319.1	8.22	98.5
04.20.2021	14:33:45	S	3347.37	W	1447.87	11.7	4.8	2.4	51.2	63.5	-0.0	-0.3	320.1	8.19	98.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	14:34:45	S	3347.38	W	1447.63	6.3	4.8	1.3	51.8	53.4	-0.1	-0.3	-0.1	8.22	98.5
04.20.2021	14:35:45	S	3347.39	W	1447.41	12.7	4.7	2.6	50.6	59.2	-0.1	-0.3	-0.1	8.22	98.5
04.20.2021	14:36:45	S	3347.4	W	1447.17	5.3	3.5	1.5	51.3	59.3	-0.0	-0.3	-0.1	8.22	98.5
04.20.2021	14:37:45	S	3347.4	W	1446.93	14.0	1.8	7.7	51.0	60.2	-0.1	-0.3	0.0	8.22	98.5
04.20.2021	14:38:45	S	3347.41	W	1446.65	16.8	0.5	22.6	52.1	60.9	0.0	-0.3	0.1	8.19	98.5
04.20.2021	14:39:45	S	3347.42	W	1446.4	18.8	0.0	0.0	51.5	60.2	-0.0	-0.3	0.1	8.13	98.5
04.20.2021	14:40:49	S	3347.43	W	1446.18	17.8	0.0	0.0	50.4	60.0	0.0	-0.2	0.0	8.17	98.4
04.20.2021	14:41:49	S	3347.44	W	1445.94	15.8	0.0	0.0	50.3	59.1	0.0	-0.2	0.1	8.15	98.0
04.20.2021	14:42:49	S	3347.44	W	1445.69	17.5	0.0	0.0	50.1	59.0	-0.0	-0.2	-0.0	8.17	98.1
04.20.2021	14:43:49	S	3347.45	W	1445.45	16.3	0.0	0.0	51.2	58.6	-0.1	-0.3	0.1	8.15	98.0
04.20.2021	14:44:49	S	3347.46	W	1445.21	17.4	0.0	0.0	52.1	59.0	-0.0	-0.3	0.1	8.12	98.0
04.20.2021	14:45:49	S	3347.47	W	1444.97	15.4	0.0	0.0	51.2	59.1	-0.0	-0.3	0.1	8.16	98.1
04.20.2021	14:46:49	S	3347.48	W	1444.74	13.8	0.0	0.0	51.4	59.5	-0.0	-0.2	-0.0	8.14	98.7
04.20.2021	14:47:49	S	3347.48	W	1444.46	13.6	0.0	0.0	51.0	57.8	-0.1	-0.3	-0.1	8.12	98.0
04.20.2021	14:48:49	S	3347.49	W	1444.22	15.2	0.0	0.0	52.1	57.1	-0.1	-0.3	0.1	8.17	98.1
04.20.2021	14:49:49	S	3347.5	W	1443.97	14.2	0.0	0.0	51.4	57.3	0.0	-0.2	0.1	8.17	98.3
04.20.2021	14:50:47	S	3347.51	W	1443.72	13.4	0.0	0.0	50.6	69.8	0.0	-0.2	541.5	8.12	98.8
04.20.2021	14:51:47	S	3347.53	W	1443.5	12.0	0.0	0.0	50.3	58.0	0.0	-0.3	287.5	8.22	98.5
04.20.2021	14:52:47	S	3347.54	W	1443.23	12.7	0.0	0.0	50.9	61.2	0.0	-0.2	322.0	8.22	98.5
04.20.2021	14:53:47	S	3347.55	W	1442.97	8.0	4.5	1.7	50.1	60.9	0.0	-0.3	322.0	8.19	98.5
04.20.2021	14:54:47	S	3347.56	W	1442.75	8.4	4.8	1.7	50.9	61.1	-0.1	-0.3	323.4	8.19	98.5
04.20.2021	14:55:47	S	3347.57	W	1442.49	7.3	4.8	1.5	50.0	61.1	0.0	-0.3	321.1	8.22	98.5
04.20.2021	14:56:47	S	3347.58	W	1442.26	8.0	4.7	1.7	52.9	61.0	-0.1	-0.3	321.8	8.22	98.5
04.20.2021	14:57:47	S	3347.59	W	1442	7.5	4.7	1.6	53.0	60.8	0.1	-0.2	321.5	8.22	98.5
04.20.2021	14:58:47	S	3347.6	W	1441.78	8.0	4.7	1.7	51.2	60.8	-0.1	-0.3	323.1	8.19	98.5
04.20.2021	14:59:47	S	3347.61	W	1441.52	9.2	4.7	1.9	51.0	60.8	0.0	-0.2	319.4	8.19	98.5
04.20.2021	15:00:46	S	3347.62	W	1441.28	7.2	4.7	1.5	51.7	60.8	-0.0	-0.2	320.6	8.22	98.7
04.20.2021	15:01:46	S	3347.63	W	1441.07	7.3	4.7	1.5	51.2	59.8	-0.0	-0.2	320.0	8.22	98.5
04.20.2021	15:02:46	S	3347.64	W	1440.81	9.8	4.7	2.1	49.8	60.7	-0.0	-0.2	321.9	8.19	98.7
04.20.2021	15:03:46	S	3347.66	W	1440.55	10.1	4.7	2.1	53.2	61.1	0.0	-0.2	322.5	8.19	98.5
04.20.2021	15:04:46	S	3347.66	W	1440.3	13.3	4.8	2.8	50.8	62.8	-0.0	-0.3	321.3	8.23	98.6
04.20.2021	15:05:46	S	3347.68	W	1440.07	11.8	4.7	2.5	53.2	62.7	-0.1	-0.3	321.8	8.19	98.5
04.20.2021	15:06:46	S	3347.69	W	1439.8	12.2	4.7	2.5	51.5	62.4	0.0	-0.3	322.6	8.22	98.5
04.20.2021	15:07:46	S	3347.7	W	1439.58	13.3	4.7	2.8	53.2	62.7	-0.1	-0.3	322.1	8.22	98.5
04.20.2021	15:08:46	S	3347.71	W	1439.3	14.6	4.8	3.0	51.4	60.9	0.1	-0.2	322.9	8.22	98.5
04.20.2021	15:09:46	S	3347.72	W	1439.1	13.5	4.8	2.8	50.4	62.0	0.0	-0.2	316.8	8.19	98.5
04.20.2021	15:10:45	S	3347.73	W	1438.83	14.4	4.7	3.0	52.1	58.8	-0.1	-0.3	318.1	8.22	98.7
04.20.2021	15:11:45	S	3347.74	W	1438.6	13.8	4.7	2.9	51.2	58.4	-0.1	-0.3	314.4	8.22	98.5

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	15:12:45	S	3347.75	W	1438.34	13.5	4.7	2.8	50.9	58.9	0.0	-0.2	318.9	8.16	98.7	
04.20.2021	15:13:45	S	3347.76	W	1438.11	13.4	4.7	2.8	51.8	58.7	0.0	-0.2	313.1	8.19	98.5	
04.20.2021	15:14:45	S	3347.77	W	1437.86	14.4	4.7	3.0	51.8	58.5	-0.1	-0.3	315.7	8.19	98.5	
04.20.2021	15:15:45	S	3347.78	W	1437.61	12.9	4.8	2.7	49.6	57.6	0.0	-0.2	318.1	8.19	98.5	
04.20.2021	15:16:45	S	3347.79	W	1437.38	10.3	4.7	2.2	49.9	57.7	0.0	-0.2	321.5	8.22	98.6	
04.20.2021	15:17:45	S	3347.81	W	1437.12	10.0	4.7	2.1	50.9	58.9	-0.0	-0.2	322.6	8.22	98.7	
04.20.2021	15:18:45	S	3347.81	W	1436.91	8.7	4.8	1.7	51.7	58.6	-0.2	-0.4	322.8	8.22	98.7	
04.20.2021	15:19:45	S	3347.82	W	1436.66	7.5	4.7	1.6	50.7	60.4	-0.1	-0.3	324.0	8.20	98.8	
04.20.2021	15:20:49	S	3347.83	W	1436.39	6.1	4.7	1.2	50.3	63.1	-0.1	-0.3	322.1	8.20	99.4	
04.20.2021	15:21:49	S	3347.84	W	1436.15	5.4	4.7	1.1	49.7	61.7	0.0	-0.2	322.8	8.23	99.4	
04.20.2021	15:22:49	S	3347.85	W	1435.91	6.8	4.7	1.4	51.8	61.7	0.0	-0.2	321.3	8.21	99.1	
04.20.2021	15:23:49	S	3347.86	W	1435.67	6.3	4.8	1.3	51.3	61.4	-0.1	-0.3	316.8	8.23	99.2	
04.20.2021	15:24:49	S	3347.87	W	1435.42	7.1	4.8	1.4	50.6	61.9	-0.1	-0.3	321.5	8.19	98.5	
04.20.2021	15:25:49	S	3347.88	W	1435.19	8.2	4.7	1.7	50.4	61.6	-0.1	-0.3	322.7	8.22	98.7	
04.20.2021	15:26:49	S	3347.9	W	1434.95	10.0	4.8	2.0	50.9	61.8	-0.1	-0.3	322.5	8.18	99.1	
04.20.2021	15:27:49	S	3347.91	W	1434.69	11.3	4.7	2.4	50.3	61.8	-0.0	-0.2	320.7	8.20	98.8	
04.20.2021	15:28:49	S	3347.92	W	1434.47	11.1	4.7	2.3	50.2	61.9	0.0	-0.2	321.7	8.22	98.6	
04.20.2021	15:29:49	S	3347.92	W	1434.21	9.5	4.8	1.9	50.2	62.0	-0.0	-0.3	321.2	8.18	98.7	
04.20.2021	15:30:45	S	3347.93	W	1433.99	12.0	4.8	2.5	50.5	63.1	-0.1	-0.4	319.4	8.19	99.0	
04.20.2021	15:31:45	S	3347.94	W	1433.72	13.5	4.8	2.8	51.6	62.9	-0.0	-0.3	317.5	8.19	99.0	
04.20.2021	15:32:45	S	3347.95	W	1433.5	13.5	4.7	2.8	51.3	62.9	-0.1	-0.3	316.4	8.19	99.0	
04.20.2021	15:33:45	S	3347.96	W	1433.24	12.6	4.7	2.6	51.0	68.3	-0.1	-0.3	314.7	8.20	98.8	
04.20.2021	15:34:45	S	3347.96	W	1433	13.2	4.8	2.7	51.2	68.4	-0.1	-0.3	316.4	8.19	98.5	
04.20.2021	15:35:45	S	3347.97	W	1432.76	14.4	4.8	3.0	50.6	68.3	-0.1	-0.3	315.2	8.22	98.5	
04.20.2021	15:36:45	S	3347.98	W	1432.53	15.0	4.8	3.1	51.2	69.0	-0.1	-0.3	315.1	8.15	99.3	
04.20.2021	15:37:45	S	3347.99	W	1432.28	15.4	4.8	3.2	49.9	68.2	-0.0	-0.3	322.1	8.19	99.0	
04.20.2021	15:38:45	S	3347.99	W	1432.05	15.6	4.8	3.2	51.3	68.5	-0.1	-0.3	322.0	8.22	98.6	
04.20.2021	15:39:45	S	3348	W	1431.8	13.3	4.7	2.8	51.2	68.9	-0.1	-0.3	316.7	8.22	98.5	
04.20.2021	15:40:45	S	3348.01	W	1431.54	12.6	4.7	2.6	52.1	68.3	-0.1	-0.3	311.9	8.24	98.5	
04.20.2021	15:41:45	S	3348.02	W	1431.3	9.4	4.7	1.9	50.0	67.8	-0.1	-0.4	319.4	8.20	98.9	
04.20.2021	15:42:45	S	3348.03	W	1431.06	10.6	4.7	2.2	49.5	67.1	-0.0	-0.3	318.7	8.23	98.8	
04.20.2021	15:43:45	S	3348.04	W	1430.84	8.9	4.7	1.9	51.5	67.8	-0.1	-0.3	322.7	8.19	98.8	
04.20.2021	15:44:45	S	3348.04	W	1430.57	7.3	4.8	1.5	50.8	69.6	-0.0	-0.3	322.2	8.22	98.8	
04.20.2021	15:45:45	S	3348.05	W	1430.35	5.0	4.8	1.0	52.6	70.0	0.0	-0.2	321.6	8.14	99.4	
04.20.2021	15:46:45	S	3348.06	W	1430.1	6.6	4.7	1.3	52.7	69.4	-0.1	-0.3	323.0	8.20	99.2	
04.20.2021	15:47:45	S	3348.07	W	1429.86	6.2	4.7	1.2	51.8	68.6	-0.1	-0.3	320.1	8.23	99.4	
04.20.2021	15:48:45	S	3348.08	W	1429.6	6.6	4.8	1.3	51.0	65.5	-0.0	-0.3	321.8	8.18	99.0	
04.20.2021	15:49:45	S	3348.08	W	1429.38	7.4	4.8	1.5	51.0	65.3	0.0	-0.2	316.3	8.18	99.0	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	15:50:45	S	3348.09	W	1429.14	7.0	4.8	1.4	51.2	61.9	0.0	-0.2	321.7	8.18	99.0
04.20.2021	15:51:45	S	3348.1	W	1428.87	8.1	4.7	1.7	50.5	54.7	-0.1	-0.3	314.8	8.14	99.4
04.20.2021	15:52:45	S	3348.11	W	1428.62	10.9	4.8	2.2	50.7	54.0	-0.1	-0.3	317.5	8.23	99.2
04.20.2021	15:53:45	S	3348.12	W	1428.39	11.0	4.8	2.2	51.1	53.6	-0.1	-0.3	320.1	8.18	98.7
04.20.2021	15:54:45	S	3348.12	W	1428.15	13.2	4.8	2.7	50.1	55.4	-0.1	-0.3	322.3	8.15	99.3
04.20.2021	15:55:45	S	3348.13	W	1427.91	12.1	4.8	2.5	49.2	57.9	0.1	-0.2	323.2	8.17	99.4
04.20.2021	15:56:45	S	3348.14	W	1427.66	10.9	4.8	2.2	50.9	58.2	-0.0	-0.2	321.5	8.18	99.0
04.20.2021	15:57:45	S	3348.15	W	1427.45	13.0	4.7	2.7	49.6	56.6	-0.1	-0.3	319.7	8.15	99.3
04.20.2021	15:58:45	S	3348.16	W	1427.2	11.8	4.8	2.4	51.5	56.8	-0.0	-0.2	323.5	8.18	99.3
04.20.2021	15:59:45	S	3348.16	W	1427	14.6	4.8	3.0	50.4	53.7	-0.1	-0.4	320.3	8.18	99.0
04.20.2021	16:00:45	S	3348.17	W	1426.75	15.4	4.8	3.2	51.1	54.6	-0.1	-0.3	321.5	8.15	99.3
04.20.2021	16:01:45	S	3348.18	W	1426.51	15.2	4.8	3.1	50.4	54.3	0.0	-0.2	320.3	8.14	99.4
04.20.2021	16:02:45	S	3348.19	W	1426.28	16.0	4.8	3.3	50.2	53.4	-0.1	-0.4	320.7	8.15	99.3
04.20.2021	16:03:45	S	3348.2	W	1426.02	13.5	4.8	2.8	50.0	53.9	-0.1	-0.3	315.4	8.18	99.1
04.20.2021	16:04:45	S	3348.21	W	1425.81	15.1	4.8	3.1	52.0	54.2	-0.1	-0.3	320.3	8.15	99.3
04.20.2021	16:05:45	S	3348.22	W	1425.57	15.2	4.8	3.1	51.3	54.0	0.0	-0.2	319.6	8.15	99.1
04.20.2021	16:06:45	S	3348.24	W	1425.32	14.2	4.7	2.9	49.7	53.8	-0.0	-0.2	318.7	8.18	99.0
04.20.2021	16:07:45	S	3348.25	W	1425.07	12.6	4.7	2.6	50.9	53.6	-0.0	-0.3	315.5	8.18	99.3
04.20.2021	16:08:45	S	3348.27	W	1424.84	11.8	4.7	2.5	50.8	54.0	0.0	-0.2	315.1	8.18	99.1
04.20.2021	16:09:45	S	3348.28	W	1424.62	8.0	4.8	1.6	51.2	53.1	-0.2	-0.4	313.2	8.15	99.3
04.20.2021	16:10:51	S	3348.3	W	1424.37	7.4	4.8	1.5	51.7	53.7	-0.0	-0.3	318.4	8.14	99.4
04.20.2021	16:11:51	S	3348.31	W	1424.15	6.1	4.8	1.2	53.2	55.0	0.0	-0.2	323.5	8.15	99.3
04.20.2021	16:12:51	S	3348.33	W	1423.91	8.5	4.8	1.7	52.2	53.5	-0.1	-0.4	322.2	8.15	99.3
04.20.2021	16:13:51	S	3348.34	W	1423.67	6.5	4.7	1.3	51.2	53.9	-0.0	-0.2	321.3	8.15	99.3
04.20.2021	16:14:51	S	3348.36	W	1423.42	5.4	4.7	1.1	50.1	53.6	0.0	-0.2	320.7	8.15	99.3
04.20.2021	16:15:51	S	3348.37	W	1423.19	6.4	4.7	1.3	51.0	54.0	-0.1	-0.3	316.7	8.18	99.3
04.20.2021	16:16:51	S	3348.38	W	1422.94	5.7	4.7	1.1	50.9	54.5	-0.1	-0.3	322.8	8.18	99.3
04.20.2021	16:17:51	S	3348.4	W	1422.7	6.6	4.7	1.3	49.9	54.7	-0.0	-0.3	320.1	8.15	99.3
04.20.2021	16:18:51	S	3348.41	W	1422.47	9.4	4.7	2.0	51.6	54.8	-0.1	-0.4	322.0	8.18	99.3
04.20.2021	16:19:51	S	3348.43	W	1422.26	10.0	4.7	2.1	52.0	55.7	-0.0	-0.3	321.6	8.15	99.3
04.20.2021	16:20:51	S	3348.45	W	1421.99	10.6	4.7	2.2	51.1	56.0	-0.1	-0.3	322.6	8.18	99.3
04.20.2021	16:21:51	S	3348.46	W	1421.75	11.7	4.7	2.4	51.2	56.5	-0.1	-0.3	321.7	8.18	99.3
04.20.2021	16:22:51	S	3348.47	W	1421.54	12.2	4.8	2.5	51.7	56.0	-0.0	-0.3	318.7	8.15	99.3
04.20.2021	16:23:51	S	3348.49	W	1421.29	13.5	4.7	2.8	52.0	54.3	-0.0	-0.2	320.0	8.18	99.3
04.20.2021	16:24:51	S	3348.51	W	1421.04	13.0	4.7	2.7	50.4	54.1	-0.1	-0.3	321.5	8.15	99.3
04.20.2021	16:25:51	S	3348.53	W	1420.82	15.4	4.7	3.2	51.1	55.4	0.0	-0.2	321.8	8.15	99.3
04.20.2021	16:26:51	S	3348.54	W	1420.6	16.2	4.7	3.4	49.7	61.4	-0.1	-0.3	322.9	8.18	99.3
04.20.2021	16:27:51	S	3348.56	W	1420.34	14.4	4.8	3.0	50.2	61.4	-0.0	-0.2	322.0	8.15	99.3

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	16:28:51	S	3348.57	W	1420.14	15.0	4.8	3.1	49.5	61.4	-0.1	-0.3	321.7	8.15	99.3
04.20.2021	16:29:51	S	3348.58	W	1419.88	11.6	4.8	2.4	51.6	61.6	-0.1	-0.3	315.4	8.15	99.3
04.20.2021	16:30:45	S	3348.6	W	1419.64	12.8	4.8	2.7	51.6	61.3	-0.1	-0.3	320.0	8.18	99.3
04.20.2021	16:31:45	S	3348.62	W	1419.42	16.2	4.7	3.4	51.4	61.5	-0.1	-0.3	320.4	8.18	99.3
04.20.2021	16:32:45	S	3348.64	W	1419.19	13.0	4.7	2.7	49.5	61.5	-0.1	-0.3	322.7	8.16	99.1
04.20.2021	16:33:45	S	3348.65	W	1418.95	13.3	4.7	2.8	50.3	61.5	-0.0	-0.2	321.1	8.13	99.1
04.20.2021	16:34:45	S	3348.67	W	1418.7	11.0	4.7	2.3	51.4	61.4	0.0	-0.2	321.6	8.15	99.3
04.20.2021	16:35:45	S	3348.68	W	1418.5	12.5	4.8	2.6	49.4	61.4	0.0	-0.2	318.9	8.15	99.3
04.20.2021	16:36:45	S	3348.69	W	1418.23	12.4	4.8	2.6	51.8	60.8	-0.1	-0.3	319.2	8.18	99.3
04.20.2021	16:37:45	S	3348.7	W	1418.02	13.1	4.8	2.7	49.8	61.4	-0.1	-0.3	321.3	8.18	99.3
04.20.2021	16:38:45	S	3348.72	W	1417.77	13.5	4.7	2.8	50.6	61.3	-0.0	-0.3	317.5	8.18	99.3
04.20.2021	16:39:45	S	3348.74	W	1417.54	9.3	4.7	2.0	51.9	61.3	-0.1	-0.3	321.9	8.18	99.3
04.20.2021	16:40:49	S	3348.75	W	1417.29	8.9	4.7	1.9	52.2	62.0	-0.0	-0.3	320.3	8.15	99.3
04.20.2021	16:41:49	S	3348.77	W	1417.05	10.0	4.7	2.1	50.4	55.3	0.0	-0.2	317.4	8.15	99.3
04.20.2021	16:42:49	S	3348.79	W	1416.82	6.6	4.7	1.3	49.0	54.6	-0.1	-0.3	316.1	8.15	99.3
04.20.2021	16:43:49	S	3348.8	W	1416.59	8.7	4.7	1.8	50.0	54.8	-0.0	-0.2	314.1	8.15	99.3
04.20.2021	16:44:49	S	3348.82	W	1416.35	8.0	4.7	1.7	49.7	54.7	-0.1	-0.3	321.3	8.15	99.3
04.20.2021	16:45:49	S	3348.83	W	1416.13	5.6	4.7	1.1	50.2	55.8	0.0	-0.2	316.3	8.15	99.3
04.20.2021	16:46:49	S	3348.85	W	1415.89	6.3	4.7	1.3	49.6	55.1	-0.0	-0.2	320.3	8.15	99.3
04.20.2021	16:47:49	S	3348.85	W	1415.64	5.4	4.7	1.1	49.8	54.2	0.0	-0.2	320.3	8.18	99.3
04.20.2021	16:48:49	S	3348.85	W	1415.43	6.6	4.8	1.3	51.9	58.3	-0.1	-0.3	322.1	8.15	99.3
04.20.2021	16:49:49	S	3348.85	W	1415.2	5.5	4.8	1.1	50.9	56.5	-0.1	-0.3	323.0	8.18	99.3
04.20.2021	16:50:53	S	3348.85	W	1414.94	7.4	4.8	1.5	51.9	56.3	-0.0	-0.3	322.5	8.15	99.3
04.20.2021	16:51:53	S	3348.85	W	1414.69	5.6	4.8	1.1	49.7	56.5	-0.1	-0.3	322.7	8.15	99.3
04.20.2021	16:52:53	S	3348.85	W	1414.48	4.2	4.7	0.8	50.6	53.8	-0.0	-0.3	321.7	8.15	99.3
04.20.2021	16:53:53	S	3348.86	W	1414.25	6.6	4.7	1.3	51.4	54.0	0.0	-0.2	322.1	8.18	99.3
04.20.2021	16:54:53	S	3348.86	W	1414	5.4	4.7	1.1	51.6	53.8	0.0	-0.2	321.0	8.18	99.3
04.20.2021	16:55:53	S	3348.86	W	1413.75	5.4	4.7	1.1	51.6	53.8	-0.1	-0.3	319.4	8.14	99.6
04.20.2021	16:56:53	S	3348.86	W	1413.54	5.3	4.7	1.1	51.8	53.9	-0.1	-0.3	319.1	8.17	99.6
04.20.2021	16:57:53	S	3348.86	W	1413.28	2.6	4.7	0.5	50.7	53.9	0.0	-0.2	315.9	8.17	99.6
04.20.2021	16:58:53	S	3348.86	W	1413.05	5.5	4.7	1.1	51.4	53.8	0.0	-0.2	315.8	8.17	99.6
04.20.2021	16:59:53	S	3348.86	W	1412.83	4.2	4.8	0.8	51.1	53.9	-0.1	-0.3	318.0	8.14	99.6
04.20.2021	17:00:46	S	3348.87	W	1412.59	7.0	4.7	1.4	51.5	53.9	0.0	-0.2	314.6	8.15	99.9
04.20.2021	17:01:46	S	3348.88	W	1412.36	6.3	4.7	1.3	49.9	56.0	0.0	-0.2	319.1	8.17	99.6
04.20.2021	17:02:46	S	3348.88	W	1412.11	5.7	4.7	1.1	51.3	53.6	-0.0	-0.3	319.8	8.17	99.8
04.20.2021	17:03:46	S	3348.89	W	1411.88	6.6	4.7	1.3	50.2	54.0	-0.0	-0.2	322.3	8.14	99.8
04.20.2021	17:04:46	S	3348.9	W	1411.63	7.9	4.7	1.7	51.4	60.6	-0.1	-0.3	321.0	8.17	100.1
04.20.2021	17:05:46	S	3348.9	W	1411.42	8.0	4.7	1.7	52.3	64.8	-0.1	-0.2	322.2	8.13	100.0

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	17:06:46	S	3348.91	W	1411.19	6.4	4.7	1.3	51.6	64.6	-0.1	-0.3	313.9	8.14	99.7
04.20.2021	17:07:46	S	3348.91	W	1410.94	7.8	4.8	1.6	52.1	64.5	0.0	-0.3	315.9	8.14	99.6
04.20.2021	17:08:46	S	3348.91	W	1410.71	6.3	4.7	1.3	50.5	64.0	-0.1	-0.4	322.0	8.17	99.7
04.20.2021	17:09:46	S	3348.91	W	1410.49	6.6	4.7	1.3	52.4	64.7	-0.1	-0.3	322.5	8.14	99.7
04.20.2021	17:10:52	S	3348.92	W	1410.25	7.3	4.8	1.5	50.5	66.1	-0.1	-0.4	322.4	8.14	99.6
04.20.2021	17:11:52	S	3348.93	W	1409.99	8.2	4.7	1.7	51.6	66.3	-0.1	-0.2	322.6	8.15	99.7
04.20.2021	17:12:52	S	3348.94	W	1409.75	10.5	4.7	2.2	51.6	66.3	-0.0	-0.3	322.7	8.17	99.8
04.20.2021	17:13:52	S	3348.95	W	1409.52	9.9	4.8	2.0	51.6	66.2	-0.1	-0.4	321.7	8.14	99.7
04.20.2021	17:14:52	S	3348.95	W	1409.31	11.0	4.8	2.2	52.1	65.5	-0.0	-0.3	321.7	8.14	99.6
04.20.2021	17:15:52	S	3348.97	W	1409.04	9.4	4.7	2.0	50.7	64.9	-0.1	-0.3	319.3	8.17	100.1
04.20.2021	17:16:52	S	3348.98	W	1408.79	12.0	4.7	2.5	50.1	65.2	0.0	-0.2	322.4	8.13	100.1
04.20.2021	17:17:52	S	3349	W	1408.57	11.5	4.7	2.4	50.2	64.6	-0.1	-0.4	314.7	8.17	100.1
04.20.2021	17:18:52	S	3349.01	W	1408.35	12.4	4.7	2.6	50.2	64.8	-0.1	-0.3	320.4	8.17	100.1
04.20.2021	17:19:52	S	3349.02	W	1408.1	11.8	4.7	2.5	50.2	65.0	-0.1	-0.3	312.7	8.17	100.1
04.20.2021	17:20:48	S	3349.03	W	1407.87	11.8	4.8	2.4	51.2	64.6	-0.1	-0.3	315.5	8.17	100.1
04.20.2021	17:21:48	S	3349.03	W	1407.64	13.4	4.8	2.8	51.5	64.2	0.0	-0.2	313.0	8.17	100.1
04.20.2021	17:22:48	S	3349.04	W	1407.42	13.5	4.7	2.8	51.3	67.4	-0.1	-0.4	319.4	8.17	100.1
04.20.2021	17:23:48	S	3349.05	W	1407.18	14.7	4.7	3.0	51.5	58.8	-0.1	-0.3	320.0	8.17	100.1
04.20.2021	17:24:48	S	3349.06	W	1406.94	12.9	4.7	2.7	49.3	59.9	0.0	-0.2	320.9	8.17	100.3
04.20.2021	17:25:48	S	3349.07	W	1406.7	12.0	4.7	2.5	50.7	58.6	0.0	-0.2	322.5	8.17	100.1
04.20.2021	17:26:48	S	3349.09	W	1406.45	10.7	4.7	2.2	52.3	57.9	0.0	-0.2	322.4	8.17	100.1
04.20.2021	17:27:48	S	3349.1	W	1406.25	11.0	4.7	2.3	50.2	58.0	-0.1	-0.3	321.4	8.17	100.1
04.20.2021	17:28:48	S	3349.11	W	1406.03	10.2	4.7	2.1	50.0	58.1	0.0	-0.3	321.1	8.17	100.1
04.20.2021	17:29:48	S	3349.12	W	1405.79	10.5	4.7	2.2	51.2	58.0	-0.0	-0.2	320.1	8.17	100.1
04.20.2021	17:30:43	S	3349.13	W	1405.55	9.4	4.7	2.0	51.0	57.5	-0.1	-0.4	320.6	8.13	100.1
04.20.2021	17:31:43	S	3349.14	W	1405.31	10.1	4.7	2.1	52.1	57.6	-0.0	-0.2	318.8	8.17	100.1
04.20.2021	17:32:43	S	3349.16	W	1405.09	13.2	4.7	2.7	50.7	57.9	-0.0	-0.3	321.8	8.17	100.1
04.20.2021	17:33:43	S	3349.17	W	1404.85	13.6	4.7	2.8	49.8	57.6	-0.1	-0.2	314.5	8.17	100.1
04.20.2021	17:34:43	S	3349.18	W	1404.61	13.2	4.7	2.7	49.5	57.7	-0.0	-0.3	318.0	8.17	100.1
04.20.2021	17:35:43	S	3349.19	W	1404.37	11.6	4.8	2.4	51.5	59.9	-0.1	-0.3	313.4	8.15	100.6
04.20.2021	17:36:43	S	3349.19	W	1404.32	13.6	4.8	2.8	52.0	55.2	0.0	-0.2	315.6	8.15	100.5
04.20.2021	17:37:43	S	3349.21	W	1403.88	13.4	4.7	2.8	51.5	55.2	0.0	-0.2	312.1	8.15	100.9
04.20.2021	17:38:43	S	3349.21	W	1403.64	14.3	4.7	3.0	50.0	55.1	-0.1	-0.3	316.7	8.15	100.9
04.20.2021	17:39:43	S	3349.22	W	1403.43	14.4	4.7	3.0	50.1	53.0	-0.0	-0.2	316.3	8.13	100.6
04.20.2021	17:40:50	S	3349.23	W	1403.18	17.4	4.7	3.7	50.6	55.0	0.0	-0.2	320.7	8.15	100.9
04.20.2021	17:41:50	S	3349.24	W	1402.95	13.8	4.7	2.9	49.7	54.2	-0.0	-0.3	322.9	8.12	100.7
04.20.2021	17:42:50	S	3349.25	W	1402.71	11.7	4.7	2.4	50.1	54.0	0.0	-0.2	322.6	8.16	100.6
04.20.2021	17:43:50	S	3349.26	W	1402.46	15.0	4.7	3.1	49.6	54.6	-0.1	-0.4	322.0	8.15	100.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	17:44:50	S	3349.26	W	1402.25	13.0	4.7	2.7	50.0	53.6	-0.1	-0.3	323.0	8.15	100.6
04.20.2021	17:45:50	S	3349.27	W	1401.98	12.6	4.8	2.6	51.1	53.6	-0.1	-0.4	322.3	8.18	100.9
04.20.2021	17:46:50	S	3349.28	W	1401.75	13.3	4.7	2.8	49.9	53.7	-0.1	-0.3	321.7	8.15	100.5
04.20.2021	17:47:50	S	3349.28	W	1401.57	12.8	4.7	2.7	49.8	53.6	-0.1	-0.4	320.1	8.18	100.8
04.20.2021	17:48:50	S	3349.29	W	1401.31	11.6	4.8	2.4	51.4	53.5	-0.2	-0.4	318.4	8.13	100.6
04.20.2021	17:49:50	S	3349.29	W	1401.09	15.0	4.7	3.1	50.1	54.0	-0.1	-0.4	316.0	8.13	100.6
04.20.2021	17:50:52	S	3349.3	W	1400.85	13.6	4.7	2.8	51.5	54.2	0.0	-0.3	315.5	8.16	100.6
04.20.2021	17:51:52	S	3349.31	W	1400.6	14.3	4.7	3.0	51.2	57.0	-0.1	-0.4	313.9	8.16	100.6
04.20.2021	17:52:52	S	3349.32	W	1400.38	11.5	4.7	2.4	51.2	54.2	-0.1	-0.3	315.3	8.18	100.9
04.20.2021	17:53:52	S	3349.32	W	1400.14	11.2	4.7	2.3	49.2	54.5	0.0	-0.2	316.6	8.18	100.9
04.20.2021	17:54:52	S	3349.33	W	1359.9	11.2	4.7	2.3	52.0	54.8	-0.1	-0.3	318.4	8.16	100.6
04.20.2021	17:55:52	S	3349.33	W	1359.69	11.8	4.7	2.5	50.2	60.1	-0.1	-0.3	319.3	8.13	100.6
04.20.2021	17:56:52	S	3349.34	W	1359.42	12.2	4.8	2.5	51.0	61.4	-0.1	-0.2	321.1	8.18	100.9
04.20.2021	17:57:52	S	3349.34	W	1359.19	13.6	4.8	2.8	50.7	61.3	-0.1	-0.4	321.3	8.12	100.6
04.20.2021	17:58:52	S	3349.34	W	1358.94	12.4	4.7	2.6	50.8	61.3	0.0	-0.2	321.6	8.18	100.9
04.20.2021	17:59:52	S	3349.35	W	1358.74	14.9	4.7	3.1	52.7	62.1	-0.1	-0.3	321.5	8.16	100.6
04.20.2021	18:00:46	S	3349.35	W	1358.49	12.2	4.7	2.5	51.1	61.5	-0.1	-0.2	323.2	8.13	100.6
04.20.2021	18:01:46	S	3349.36	W	1358.25	13.4	4.7	2.8	50.8	62.4	-0.0	-0.3	323.2	8.13	100.6
04.20.2021	18:02:46	S	3349.37	W	1358.03	12.0	4.7	2.5	50.3	62.0	-0.0	-0.3	320.5	8.16	100.6
04.20.2021	18:03:46	S	3349.37	W	1357.8	9.5	4.7	2.0	49.7	62.2	0.0	-0.2	320.1	8.13	100.6
04.20.2021	18:04:46	S	3349.38	W	1357.53	10.4	4.7	2.2	50.4	61.8	0.0	-0.2	318.7	8.13	100.6
04.20.2021	18:05:46	S	3349.38	W	1357.31	9.3	4.7	2.0	49.3	61.3	-0.1	-0.3	316.8	8.16	100.6
04.20.2021	18:06:46	S	3349.38	W	1357.08	7.3	4.7	1.5	49.4	61.3	0.0	-0.3	315.6	8.16	100.8
04.20.2021	18:07:46	S	3349.38	W	1356.83	7.2	4.7	1.5	51.3	61.0	-0.1	-0.3	314.7	8.13	100.6
04.20.2021	18:08:46	S	3349.38	W	1356.59	9.5	4.7	2.0	50.3	63.0	-0.1	-0.3	315.9	8.15	101.3
04.20.2021	18:09:46	S	3349.39	W	1356.38	5.9	4.7	1.2	49.9	61.1	-0.1	-0.3	317.5	8.16	101.3
04.20.2021	18:10:46	S	3349.39	W	1356.12	8.3	4.7	1.7	50.3	53.5	-0.1	-0.4	315.9	8.13	100.6
04.20.2021	18:11:46	S	3349.4	W	1355.92	6.4	4.7	1.3	51.7	53.2	-0.0	-0.3	321.8	8.13	100.6
04.20.2021	18:12:46	S	3349.41	W	1355.66	8.5	4.7	1.8	50.1	53.4	-0.0	-0.3	321.7	8.17	101.0
04.20.2021	18:13:46	S	3349.42	W	1355.41	7.5	4.7	1.6	48.8	55.5	-0.0	-0.2	322.6	8.14	101.5
04.20.2021	18:14:46	S	3349.44	W	1355.18	4.8	4.7	1.0	50.2	54.3	-0.1	-0.3	322.9	8.14	101.5
04.20.2021	18:15:46	S	3349.44	W	1354.96	5.1	4.7	1.0	50.2	54.4	-0.0	-0.3	322.4	8.17	101.5
04.20.2021	18:16:46	S	3349.45	W	1354.71	4.7	4.7	0.9	49.9	54.2	-0.1	-0.3	321.1	8.17	101.5
04.20.2021	18:17:46	S	3349.45	W	1354.48	6.5	4.7	1.3	50.0	54.6	0.0	-0.2	320.9	8.17	101.5
04.20.2021	18:18:46	S	3349.46	W	1354.23	5.5	4.7	1.1	51.3	54.5	-0.1	-0.3	320.8	8.17	101.5
04.20.2021	18:19:46	S	3349.47	W	1354.01	6.2	4.7	1.2	50.3	54.5	-0.0	-0.3	321.2	8.17	101.5
04.20.2021	18:20:50	S	3349.48	W	1353.78	6.9	4.7	1.4	49.7	55.0	-0.0	-0.2	318.8	8.13	101.4
04.20.2021	18:21:50	S	3349.49	W	1353.56	7.0	4.7	1.4	49.5	54.5	0.0	-0.2	317.4	8.14	101.3

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0				Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	18:22:50	S	3349.5	W	1353.3	5.0	4.7	1.0	50.0	54.3	0.0	-0.2	314.1	8.14	101.3
04.20.2021	18:23:50	S	3349.51	W	1353.07	5.0	4.7	1.0	50.2	54.2	-0.1	-0.3	318.2	8.17	101.5
04.20.2021	18:24:50	S	3349.51	W	1352.86	6.5	4.8	1.3	49.1	53.9	-0.0	-0.2	311.6	8.17	101.5
04.20.2021	18:25:50	S	3349.52	W	1352.61	4.4	4.8	0.9	49.4	54.4	-0.1	-0.3	316.1	8.17	101.5
04.20.2021	18:26:50	S	3349.54	W	1352.39	7.0	4.7	1.4	50.3	54.2	-0.1	-0.3	318.2	8.18	101.5
04.20.2021	18:27:50	S	3349.55	W	1352.12	7.0	4.7	1.4	49.9	55.1	-0.1	-0.3	318.9	8.17	101.5
04.20.2021	18:28:50	S	3349.56	W	1351.89	9.4	4.7	2.0	50.0	54.8	-0.1	-0.3	322.7	8.17	101.5
04.20.2021	18:29:50	S	3349.57	W	1351.67	8.2	4.8	1.6	50.2	54.2	0.0	-0.2	323.0	8.17	101.5
04.20.2021	18:30:49	S	3349.58	W	1351.41	6.1	4.8	1.2	51.0	54.6	-0.1	-0.3	322.2	8.17	101.5
04.20.2021	18:31:49	S	3349.59	W	1351.2	7.5	4.7	1.6	49.3	55.2	-0.0	-0.3	322.1	8.15	101.5
04.20.2021	18:32:49	S	3349.6	W	1350.98	9.5	4.7	2.0	50.9	54.1	-0.1	-0.3	322.6	8.15	101.5
04.20.2021	18:33:49	S	3349.61	W	1350.74	9.5	4.7	2.0	49.3	55.1	-0.1	-0.4	321.6	8.15	101.5
04.20.2021	18:34:49	S	3349.62	W	1350.5	9.6	4.7	2.0	49.8	57.1	-0.0	-0.3	321.1	8.17	101.5
04.20.2021	18:35:49	S	3349.63	W	1350.27	9.4	4.7	2.0	49.7	58.0	-0.0	-0.3	321.6	8.17	101.5
04.20.2021	18:36:49	S	3349.64	W	1350.04	10.3	4.7	2.2	51.1	54.9	-0.1	-0.4	320.6	8.17	101.5
04.20.2021	18:37:49	S	3349.65	W	1349.78	9.2	4.8	1.9	50.5	54.7	-0.2	-0.4	318.3	8.17	101.5
04.20.2021	18:38:49	S	3349.66	W	1349.56	9.0	4.8	1.9	51.3	54.6	0.0	-0.2	317.1	8.17	101.5
04.20.2021	18:39:49	S	3349.67	W	1349.31	10.1	4.7	2.1	50.9	54.3	-0.0	-0.3	316.7	8.14	101.5
04.20.2021	18:40:49	S	3349.69	W	1349.09	7.2	4.7	1.5	50.4	54.4	-0.0	-0.3	316.4	8.15	101.5
04.20.2021	18:41:49	S	3349.7	W	1348.88	10.1	4.7	2.1	51.0	54.1	0.0	-0.3	318.5	8.18	101.9
04.20.2021	18:42:49	S	3349.71	W	1348.59	10.7	4.7	2.2	50.6	53.7	-0.1	-0.3	316.8	8.17	101.5
04.20.2021	18:43:49	S	3349.72	W	1348.37	10.2	4.7	2.1	51.4	53.9	0.0	-0.2	319.0	8.15	101.5
04.20.2021	18:44:49	S	3349.73	W	1348.15	11.2	4.7	2.3	51.1	53.7	-0.1	-0.3	320.5	8.14	101.7
04.20.2021	18:45:49	S	3349.74	W	1347.9	12.1	4.7	2.5	49.6	54.6	0.0	-0.3	322.8	8.15	101.5
04.20.2021	18:46:49	S	3349.75	W	1347.67	12.0	4.7	2.5	50.2	61.3	0.0	-0.3	322.9	8.14	101.7
04.20.2021	18:47:49	S	3349.76	W	1347.43	11.2	4.7	2.3	51.6	61.5	-0.1	-0.3	321.7	8.17	101.5
04.20.2021	18:48:49	S	3349.78	W	1347.2	12.9	4.7	2.7	50.4	61.5	0.0	-0.3	322.3	8.17	101.5
04.20.2021	18:49:49	S	3349.79	W	1346.96	12.0	4.7	2.5	51.6	60.8	-0.1	-0.3	322.7	8.17	101.5
04.20.2021	18:50:53	S	3349.8	W	1346.7	12.2	4.8	2.5	51.9	61.2	0.0	-0.2	321.7	8.17	101.7
04.20.2021	18:51:53	S	3349.82	W	1346.45	12.7	4.8	2.6	50.2	62.5	0.0	-0.2	320.1	8.12	102.4
04.20.2021	18:52:53	S	3349.83	W	1346.26	13.1	4.7	2.7	50.9	61.9	0.0	-0.3	319.7	8.15	102.0
04.20.2021	18:53:53	S	3349.83	W	1346.26	15.2	4.7	3.2	49.8	62.4	-0.0	-0.3	316.9	8.17	101.9
04.20.2021	18:54:53	S	3349.87	W	1345.75	14.2	4.7	2.9	51.5	65.0	-0.1	-0.4	317.5	8.14	101.6
04.20.2021	18:55:53	S	3349.88	W	1345.52	13.2	4.7	2.7	50.1	64.6	-0.1	-0.2	316.2	8.17	101.5
04.20.2021	18:56:53	S	3349.89	W	1345.3	13.3	4.8	2.8	51.7	64.8	-0.0	-0.3	318.4	8.15	101.5
04.20.2021	18:57:53	S	3349.91	W	1345.05	13.2	4.7	2.7	52.3	64.9	-0.0	-0.3	316.8	8.17	101.5
04.20.2021	18:58:53	S	3349.92	W	1344.79	15.2	4.7	3.2	49.7	64.6	-0.2	-0.3	317.9	8.17	101.5
04.20.2021	18:59:53	S	3349.94	W	1344.54	15.2	4.7	3.2	51.3	65.0	0.0	-0.2	317.2	8.17	101.5

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	19:00:53	S	3349.95	W	1344.31	14.0	4.7	2.9	50.0	65.1	0.0	-0.2	321.7	8.17	101.5
04.20.2021	19:01:53	S	3349.97	W	1344.05	15.4	4.7	3.2	51.1	58.6	-0.1	-0.3	323.4	8.17	101.5
04.20.2021	19:02:53	S	3349.98	W	1343.82	15.5	4.7	3.3	51.7	58.2	-0.1	-0.3	321.1	8.14	101.5
04.20.2021	19:03:53	S	3350.02	W	1343.58	14.8	4.7	3.1	50.0	58.4	0.0	-0.2	322.0	8.12	101.5
04.20.2021	19:04:53	S	3350.02	W	1343.35	15.3	4.7	3.2	51.4	58.3	-0.0	-0.2	321.2	8.14	101.7
04.20.2021	19:05:53	S	3350.04	W	1343.08	14.5	4.7	3.0	47.8	60.1	-0.0	-0.3	320.6	8.17	101.5
04.20.2021	19:06:53	S	3350.05	W	1342.88	15.0	4.7	3.1	50.1	60.5	0.0	-0.2	321.9	8.17	101.7
04.20.2021	19:07:53	S	3350.07	W	1342.63	16.0	4.7	3.4	51.2	60.0	-0.1	-0.4	319.2	8.17	101.7
04.20.2021	19:08:53	S	3350.08	W	1342.41	15.4	4.8	3.2	49.4	57.7	-0.1	-0.3	320.2	8.16	101.6
04.20.2021	19:09:53	S	3350.09	W	1342.14	15.8	4.8	3.3	50.4	57.0	-0.1	-0.3	316.5	8.15	102.1
04.20.2021	19:10:47	S	3350.1	W	1341.91	12.6	4.7	2.6	50.1	56.8	0.0	-0.3	314.4	8.13	101.9
04.20.2021	19:11:47	S	3350.12	W	1341.68	12.2	4.7	2.5	50.2	56.9	-0.0	-0.3	315.1	8.14	101.5
04.20.2021	19:12:47	S	3350.13	W	1341.44	12.6	4.7	2.6	51.8	56.9	-0.1	-0.3	316.4	8.18	102.4
04.20.2021	19:13:47	S	3350.14	W	1341.18	13.9	4.7	2.9	50.8	56.7	0.0	-0.2	313.4	8.18	102.4
04.20.2021	19:14:47	S	3350.16	W	1340.96	12.0	4.7	2.5	49.2	56.3	0.0	-0.3	319.7	8.14	101.7
04.20.2021	19:15:47	S	3350.17	W	1340.73	9.7	4.7	2.0	51.0	56.6	-0.1	-0.4	319.7	8.15	101.9
04.20.2021	19:16:47	S	3350.18	W	1340.48	9.2	4.7	1.9	50.5	57.3	-0.1	-0.4	321.9	8.13	101.5
04.20.2021	19:17:47	S	3350.2	W	1340.21	8.6	4.7	1.8	50.2	57.7	-0.1	-0.4	321.7	8.18	102.4
04.20.2021	19:18:47	S	3350.21	W	1339.98	8.2	4.8	1.6	50.1	57.8	-0.1	-0.3	323.0	8.14	101.5
04.20.2021	19:19:47	S	3350.23	W	1339.73	9.0	4.8	1.8	49.7	58.2	-0.1	-0.3	322.6	8.14	101.6
04.20.2021	19:20:49	S	3350.24	W	1339.48	11.4	4.7	2.4	50.5	57.3	0.0	-0.2	322.3	8.18	102.4
04.20.2021	19:21:49	S	3350.26	W	1339.27	9.0	4.7	1.9	47.8	59.5	-0.1	-0.3	322.0	8.13	101.5
04.20.2021	19:22:49	S	3350.28	W	1339	6.0	4.7	1.2	49.8	58.1	-0.0	-0.3	319.9	8.15	102.1
04.20.2021	19:23:49	S	3350.29	W	1338.77	6.3	4.7	1.3	50.2	57.2	0.0	-0.2	322.4	8.18	102.4
04.20.2021	19:24:49	S	3350.3	W	1338.55	6.4	4.8	1.3	49.4	53.9	-0.1	-0.3	315.8	8.15	102.4
04.20.2021	19:25:49	S	3350.32	W	1338.3	7.0	4.7	1.4	49.6	54.8	-0.0	-0.2	318.8	8.15	102.4
04.20.2021	19:26:49	S	3350.34	W	1338.08	7.7	4.7	1.6	48.9	53.7	-0.1	-0.3	313.9	8.18	102.4
04.20.2021	19:27:49	S	3350.35	W	1337.83	9.6	4.7	2.0	50.2	54.2	-0.1	-0.3	316.7	8.18	102.4
04.20.2021	19:28:49	S	3350.37	W	1337.58	6.4	4.7	1.3	50.0	54.0	-0.0	-0.3	312.3	8.18	102.4
04.20.2021	19:29:49	S	3350.38	W	1337.39	7.0	4.7	1.5	51.0	54.1	-0.0	-0.3	314.9	8.15	102.4
04.20.2021	19:30:42	S	3350.4	W	1337.11	7.4	4.7	1.5	49.3	53.5	0.0	-0.2	318.2	8.18	102.4
04.20.2021	19:31:42	S	3350.41	W	1336.9	7.7	4.7	1.6	50.3	54.0	0.0	-0.2	320.9	8.15	102.4
04.20.2021	19:32:42	S	3350.42	W	1336.67	4.7	4.8	0.9	50.6	54.3	-0.0	-0.3	321.6	8.15	102.1
04.20.2021	19:33:42	S	3350.44	W	1336.4	6.5	4.7	1.3	50.9	54.0	-0.1	-0.3	322.9	8.15	102.4
04.20.2021	19:34:42	S	3350.46	W	1336.18	7.0	4.7	1.4	47.8	53.5	-0.1	-0.3	321.4	8.18	102.4
04.20.2021	19:35:42	S	3350.47	W	1335.91	7.5	4.7	1.6	49.1	56.8	-0.1	-0.3	321.7	8.15	102.4
04.20.2021	19:36:42	S	3350.48	W	1335.68	5.7	4.7	1.1	51.4	53.8	-0.0	-0.3	322.4	8.15	102.4
04.20.2021	19:37:42	S	3350.49	W	1335.43	6.0	4.8	1.2	51.8	60.2	-0.1	-0.3	322.6	8.15	102.1

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0				Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	19:38:42	S	3350.51	W	1335.24	5.0	4.8	1.0	50.4	60.7	-0.1	-0.3	319.0	8.18	102.4
04.20.2021	19:39:42	S	3350.53	W	1334.98	6.0	4.7	1.2	50.4	60.3	0.0	-0.2	320.9	8.15	102.4
04.20.2021	19:40:47	S	3350.54	W	1334.75	5.7	4.7	1.1	49.4	60.2	0.1	-0.3	319.1	8.12	102.1
04.20.2021	19:41:47	S	3350.56	W	1334.48	5.6	4.7	1.1	50.1	60.3	-0.0	-0.3	317.2	8.18	102.4
04.20.2021	19:42:47	S	3350.57	W	1334.24	5.2	4.8	1.0	49.8	60.6	-0.0	-0.3	315.1	8.15	102.1
04.20.2021	19:43:47	S	3350.59	W	1334.02	6.5	4.8	1.3	49.4	61.5	-0.1	-0.3	317.4	8.17	101.9
04.20.2021	19:44:47	S	3350.6	W	1333.75	4.6	4.7	0.9	49.8	62.2	-0.1	-0.3	315.0	8.15	102.4
04.20.2021	19:45:47	S	3350.62	W	1333.54	8.7	4.7	1.8	50.2	61.4	-0.1	-0.3	318.4	8.13	101.6
04.20.2021	19:46:47	S	3350.63	W	1333.31	9.2	4.8	1.8	50.9	60.2	-0.1	-0.3	318.1	8.15	102.4
04.20.2021	19:47:47	S	3350.64	W	1333.04	8.0	4.7	1.7	50.7	60.8	-0.0	-0.3	319.3	8.15	102.4
04.20.2021	19:48:47	S	3350.65	W	1332.79	7.4	4.7	1.5	51.1	60.6	0.0	-0.2	321.1	8.18	101.7
04.20.2021	19:49:47	S	3350.65	W	1332.55	6.0	4.7	1.2	51.1	63.2	-0.1	-0.3	322.5	8.15	102.4
04.20.2021	19:50:53	S	3350.66	W	1332.32	6.4	4.8	1.3	49.8	61.0	-0.1	-0.3	322.2	8.15	102.0
04.20.2021	19:51:53	S	3350.67	W	1332.09	6.6	4.7	1.4	52.6	61.7	-0.1	-0.3	322.3	8.12	102.1
04.20.2021	19:52:53	S	3350.67	W	1331.83	6.9	4.7	1.4	50.4	61.2	0.1	-0.2	321.8	8.15	102.4
04.20.2021	19:53:53	S	3350.68	W	1331.58	6.9	4.7	1.4	49.8	54.2	-0.1	-0.3	321.4	8.15	102.4
04.20.2021	19:54:53	S	3350.69	W	1331.34	6.6	4.7	1.3	49.4	54.0	-0.1	-0.3	320.6	8.15	102.4
04.20.2021	19:55:53	S	3350.71	W	1331.09	9.0	4.7	1.9	48.0	54.0	0.0	-0.2	318.9	8.15	102.4
04.20.2021	19:56:53	S	3350.71	W	1330.88	7.1	4.7	1.4	48.7	53.9	-0.1	-0.3	316.1	8.15	102.4
04.20.2021	19:57:53	S	3350.7	W	1330.6	6.9	4.8	1.4	51.1	53.8	-0.0	-0.2	316.0	8.15	102.4
04.20.2021	19:58:53	S	3350.7	W	1330.38	8.8	4.8	1.8	52.3	54.0	-0.1	-0.4	316.7	8.13	102.3
04.20.2021	19:59:53	S	3350.7	W	1330.15	11.2	4.7	2.3	49.4	53.6	-0.0	-0.2	315.6	8.12	102.1
04.20.2021	20:00:52	S	3350.71	W	1329.92	11.0	4.7	2.3	49.4	52.8	-0.1	-0.3	312.7	8.18	102.0
04.20.2021	20:01:52	S	3350.71	W	1329.64	12.7	4.7	2.6	49.5	53.7	-0.1	-0.3	320.7	8.18	102.7
04.20.2021	20:02:52	S	3350.71	W	1329.38	13.0	4.7	2.7	49.8	54.0	-0.1	-0.3	313.0	8.17	102.1
04.20.2021	20:03:52	S	3350.72	W	1329.18	11.5	4.7	2.4	50.4	53.4	-0.1	-0.3	318.8	8.15	102.7
04.20.2021	20:04:52	S	3350.72	W	1328.93	12.0	4.7	2.5	49.3	53.7	0.0	-0.2	322.3	8.18	102.7
04.20.2021	20:05:52	S	3350.73	W	1328.7	14.0	4.7	2.9	48.7	56.4	-0.0	-0.2	322.5	8.16	102.9
04.20.2021	20:06:52	S	3350.73	W	1328.45	12.6	4.7	2.6	50.1	56.6	0.0	-0.2	321.7	8.18	102.0
04.20.2021	20:07:52	S	3350.73	W	1328.21	14.5	4.8	3.0	50.0	57.0	-0.0	-0.3	322.5	8.15	102.7
04.20.2021	20:08:52	S	3350.73	W	1327.96	12.7	4.7	2.6	51.4	55.4	-0.0	-0.3	321.4	8.15	102.7
04.20.2021	20:09:52	S	3350.73	W	1327.7	12.5	4.7	2.6	49.6	54.9	-0.1	-0.3	319.0	8.18	102.4
04.20.2021	20:10:50	S	3350.74	W	1327.46	11.5	4.7	2.4	50.4	55.0	-0.1	-0.3	320.8	8.14	102.3
04.20.2021	20:11:50	S	3350.75	W	1327.21	12.1	4.8	2.5	51.3	54.6	-0.0	-0.3	318.3	8.18	102.0
04.20.2021	20:12:50	S	3350.75	W	1327.01	15.2	4.8	3.2	51.5	55.4	-0.0	-0.2	320.2	8.16	102.0
04.20.2021	20:13:50	S	3350.75	W	1326.73	15.1	4.8	3.1	51.1	53.7	-0.1	-0.4	314.8	8.17	102.0
04.20.2021	20:14:50	S	3350.75	W	1326.5	13.6	4.7	2.8	51.4	54.5	-0.1	-0.3	318.7	8.12	102.7
04.20.2021	20:15:50	S	3350.75	W	1326.24	16.0	4.7	3.4	50.2	53.9	-0.1	-0.3	312.4	8.15	102.7

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	20:16:50	S	3350.75	W	1325.99	15.4	4.7	3.2	49.9	53.7	0.0	-0.2	316.4	8.15	102.9
04.20.2021	20:17:50	S	3350.75	W	1325.79	14.9	4.7	3.1	51.3	53.4	-0.0	-0.2	317.7	8.18	102.3
04.20.2021	20:18:50	S	3350.75	W	1325.51	14.0	4.7	2.9	51.2	53.1	-0.1	-0.3	319.4	8.16	102.3
04.20.2021	20:19:50	S	3350.75	W	1325.29	13.5	4.7	2.8	49.1	53.4	0.1	-0.2	320.8	8.14	102.4
04.20.2021	20:20:47	S	3350.75	W	1325.05	14.4	4.7	3.0	48.7	53.4	0.0	-0.2	322.4	8.16	102.9
04.20.2021	20:21:47	S	3350.75	W	1324.77	15.0	4.7	3.1	50.8	54.4	-0.0	-0.3	321.6	8.16	102.3
04.20.2021	20:22:47	S	3350.74	W	1324.57	13.4	4.7	2.8	50.2	54.2	-0.0	-0.3	321.7	8.18	102.9
04.20.2021	20:23:47	S	3350.74	W	1324.31	13.8	4.7	2.9	49.1	54.0	0.0	-0.2	322.2	8.13	102.9
04.20.2021	20:24:47	S	3350.73	W	1324.07	15.5	4.7	3.3	49.2	53.9	-0.1	-0.3	321.7	8.18	102.0
04.20.2021	20:25:47	S	3350.73	W	1323.81	15.0	4.8	3.1	50.2	53.5	-0.1	-0.3	322.6	8.17	102.1
04.20.2021	20:26:47	S	3350.72	W	1323.56	15.0	4.7	3.1	50.2	54.0	-0.1	-0.3	321.3	8.15	102.7
04.20.2021	20:27:47	S	3350.71	W	1323.31	16.0	4.8	3.3	49.8	53.9	-0.1	-0.3	318.8	8.12	102.7
04.20.2021	20:28:47	S	3350.71	W	1323.08	15.5	4.7	3.3	49.5	54.0	0.0	-0.2	319.1	8.12	102.7
04.20.2021	20:29:47	S	3350.71	W	1322.84	15.7	4.8	3.3	49.9	60.7	-0.0	-0.2	319.2	8.16	102.2
04.20.2021	20:30:49	S	3350.7	W	1322.61	15.3	4.8	3.2	50.1	60.6	0.0	-0.3	317.1	8.14	102.4
04.20.2021	20:31:49	S	3350.7	W	1322.37	14.8	4.8	3.1	49.5	61.3	-0.1	-0.3	316.6	8.16	102.2
04.20.2021	20:32:49	S	3350.7	W	1322.12	15.2	4.7	3.2	49.5	60.3	-0.1	-0.3	314.3	8.17	102.5
04.20.2021	20:33:49	S	3350.7	W	1321.87	16.0	4.8	3.3	50.3	60.5	-0.1	-0.3	314.5	8.17	102.5
04.20.2021	20:34:49	S	3350.7	W	1321.62	13.0	4.8	2.7	48.7	61.1	0.0	-0.2	321.4	8.15	102.7
04.20.2021	20:35:49	S	3350.7	W	1321.39	13.4	4.8	2.8	49.3	61.1	0.0	-0.3	316.6	8.14	102.4
04.20.2021	20:36:49	S	3350.71	W	1321.15	13.8	4.7	2.9	49.1	61.7	-0.1	-0.3	321.6	8.14	102.3
04.20.2021	20:37:49	S	3350.72	W	1320.89	12.1	4.8	2.5	49.5	63.6	-0.1	-0.3	320.7	8.12	102.7
04.20.2021	20:38:49	S	3350.72	W	1320.66	15.2	4.8	3.1	48.6	63.8	-0.1	-0.4	321.7	8.13	102.9
04.20.2021	20:39:49	S	3350.72	W	1320.41	15.6	4.8	3.2	49.3	63.2	-0.1	-0.3	322.5	8.18	102.9
04.20.2021	20:40:49	S	3350.72	W	1320.19	13.5	4.8	2.8	48.4	60.6	0.0	-0.3	320.6	8.15	102.9
04.20.2021	20:41:49	S	3350.72	W	1319.94	15.0	4.8	3.1	48.7	60.3	0.0	-0.2	321.2	8.13	102.9
04.20.2021	20:42:49	S	3350.72	W	1319.69	14.0	4.8	2.9	49.2	60.5	-0.1	-0.3	319.0	8.13	102.9
04.20.2021	20:43:49	S	3350.72	W	1319.47	13.0	4.8	2.7	49.0	60.3	-0.1	-0.3	319.1	8.13	102.9
04.20.2021	20:44:49	S	3350.72	W	1319.23	14.0	4.8	2.9	48.6	53.6	0.0	-0.2	319.4	8.16	102.9
04.20.2021	20:45:49	S	3350.72	W	1318.99	15.2	4.8	3.1	50.9	53.9	-0.0	-0.2	318.1	8.15	102.7
04.20.2021	20:46:49	S	3350.72	W	1318.77	15.2	4.8	3.1	51.3	52.9	0.0	-0.3	314.0	8.13	102.9
04.20.2021	20:47:49	S	3350.72	W	1318.5	13.5	4.8	2.8	51.3	53.0	-0.0	-0.3	315.0	8.13	102.9
04.20.2021	20:48:49	S	3350.73	W	1318.27	14.2	4.7	2.9	49.7	52.7	-0.0	-0.2	313.5	8.15	102.9
04.20.2021	20:49:49	S	3350.74	W	1318.01	13.6	4.7	2.8	49.5	53.3	-0.0	-0.2	316.6	8.15	102.9
04.20.2021	20:50:52	S	3350.75	W	1317.82	12.4	4.7	2.6	49.4	57.2	-0.0	-0.3	315.8	8.18	102.9
04.20.2021	20:51:52	S	3350.75	W	1317.53	13.0	4.8	2.7	48.6	57.3	-0.1	-0.3	321.0	8.16	102.9
04.20.2021	20:52:52	S	3350.76	W	1317.31	11.0	4.8	2.2	49.7	58.1	-0.1	-0.3	322.7	8.15	102.9
04.20.2021	20:53:52	S	3350.76	W	1317.09	12.4	4.8	2.6	49.5	58.1	0.0	-0.2	322.5	8.13	102.9

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0				Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	20:54:52	S	3350.77	W	1316.84	15.4	4.8	3.2	50.8	57.1	-0.1	-0.3	321.7	8.15	102.9
04.20.2021	20:55:52	S	3350.77	W	1316.6	15.1	4.8	3.1	50.8	60.1	-0.0	-0.2	322.4	8.15	102.9
04.20.2021	20:56:52	S	3350.79	W	1316.36	12.6	4.8	2.6	48.5	57.6	-0.0	-0.3	320.9	8.18	102.4
04.20.2021	20:57:52	S	3350.82	W	1316.09	11.6	4.7	2.4	49.6	57.8	-0.1	-0.3	319.3	8.15	102.4
04.20.2021	20:58:52	S	3350.84	W	1315.86	11.5	4.7	2.4	47.9	58.2	-0.1	-0.3	319.1	8.18	102.4
04.20.2021	20:59:52	S	3350.85	W	1315.64	11.6	4.8	2.4	51.4	58.4	-0.0	-0.2	321.0	8.18	102.4
04.20.2021	21:00:47	S	3350.87	W	1315.4	11.0	4.8	2.2	50.5	59.0	0.0	-0.2	315.4	8.18	102.4
04.20.2021	21:01:47	S	3350.89	W	1315.16	10.8	4.8	2.2	49.3	57.4	-0.0	-0.3	318.5	8.18	102.4
04.20.2021	21:02:47	S	3350.91	W	1314.89	11.6	4.8	2.4	50.2	56.4	-0.1	-0.4	314.6	8.18	102.4
04.20.2021	21:03:47	S	3350.93	W	1314.65	10.5	4.7	2.2	49.6	56.7	-0.1	-0.3	318.6	8.18	102.4
04.20.2021	21:04:47	S	3350.95	W	1314.43	9.1	4.7	1.9	50.6	56.6	-0.1	-0.4	317.1	8.15	102.4
04.20.2021	21:05:47	S	3350.97	W	1314.18	10.5	4.7	2.2	49.7	56.0	-0.1	-0.3	315.8	8.18	102.4
04.20.2021	21:06:47	S	3350.98	W	1313.95	9.3	4.8	1.9	49.8	56.0	-0.1	-0.3	319.5	8.18	102.4
04.20.2021	21:07:47	S	3351	W	1313.73	9.9	4.8	2.0	50.9	56.7	-0.1	-0.3	322.0	8.18	102.4
04.20.2021	21:08:47	S	3351.02	W	1313.47	10.0	4.8	2.0	51.5	56.9	-0.1	-0.3	321.7	8.15	102.4
04.20.2021	21:09:47	S	3351.04	W	1313.25	8.4	4.8	1.7	48.7	56.6	0.0	-0.3	322.0	8.15	102.4
04.20.2021	21:10:48	S	3351.06	W	1313	8.3	4.7	1.7	51.4	57.4	-0.0	-0.2	322.9	8.17	102.1
04.20.2021	21:11:48	S	3351.08	W	1312.74	8.0	4.8	1.6	49.6	56.5	-0.1	-0.3	321.6	8.13	102.0
04.20.2021	21:12:48	S	3351.09	W	1312.63	9.0	4.7	1.9	50.1	57.6	-0.1	-0.3	320.1	8.15	102.7
04.20.2021	21:13:48	S	3351.09	W	1312.63	8.5	4.8	1.7	50.6	57.9	0.0	-0.2	320.8	8.14	102.2
04.20.2021	21:14:48	S	3351.14	W	1312.01	9.1	4.8	1.8	48.7	57.4	0.0	-0.2	321.5	8.15	102.4
04.20.2021	21:15:48	S	3351.16	W	1311.79	9.6	4.7	2.0	50.2	60.7	0.0	-0.2	320.9	8.12	102.4
04.20.2021	21:16:48	S	3351.19	W	1311.53	10.0	4.8	2.0	49.7	64.5	-0.0	-0.2	318.8	8.15	102.4
04.20.2021	21:17:48	S	3351.21	W	1311.31	8.6	4.7	1.8	49.4	64.7	-0.1	-0.3	318.5	8.15	102.4
04.20.2021	21:18:48	S	3351.23	W	1311.08	9.0	4.8	1.8	50.8	63.8	0.0	-0.3	316.2	8.16	102.3
04.20.2021	21:19:48	S	3351.24	W	1310.84	11.5	4.8	2.4	49.9	64.0	-0.1	-0.3	315.8	8.15	102.4
04.20.2021	21:20:49	S	3351.27	W	1310.6	9.0	4.8	1.8	49.6	64.0	-0.0	-0.3	312.5	8.15	102.4
04.20.2021	21:21:49	S	3351.29	W	1310.38	8.2	4.7	1.7	51.5	64.1	0.0	-0.2	316.7	8.12	102.4
04.20.2021	21:22:49	S	3351.31	W	1310.13	8.0	4.7	1.7	49.9	63.5	-0.1	-0.3	318.4	8.15	102.4
04.20.2021	21:23:49	S	3351.34	W	1309.89	8.1	4.7	1.7	49.7	61.5	-0.1	-0.3	321.2	8.15	102.4
04.20.2021	21:24:49	S	3351.36	W	1309.65	8.7	4.7	1.8	49.3	61.5	-0.1	-0.3	320.9	8.15	102.4
04.20.2021	21:25:49	S	3351.38	W	1309.4	7.2	4.7	1.5	50.8	62.0	-0.1	-0.3	320.9	8.15	102.4
04.20.2021	21:26:49	S	3351.4	W	1309.16	10.2	4.8	2.1	52.1	60.8	-0.0	-0.3	322.8	8.15	102.4
04.20.2021	21:27:49	S	3351.43	W	1308.93	7.1	4.8	1.4	51.2	61.0	-0.0	-0.3	322.3	8.16	102.2
04.20.2021	21:28:49	S	3351.45	W	1308.68	9.4	4.7	2.0	51.6	61.7	-0.1	-0.4	320.9	8.15	102.7
04.20.2021	21:29:49	S	3351.47	W	1308.44	7.9	4.8	1.6	50.6	61.4	0.0	-0.3	322.2	8.13	102.0
04.20.2021	21:30:52	S	3351.5	W	1308.21	6.7	4.7	1.3	49.8	61.0	-0.1	-0.3	322.7	8.18	102.0
04.20.2021	21:31:52	S	3351.51	W	1308	5.3	4.8	1.1	50.9	61.2	-0.1	-0.3	319.9	8.13	102.9

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	21:32:52	S	3351.54	W	1307.74	8.5	4.8	1.7	50.7	54.1	-0.1	-0.3	318.5	8.15	102.9	
04.20.2021	21:33:52	S	3351.56	W	1307.49	8.3	4.7	1.7	47.7	53.3	-0.0	-0.2	317.7	8.16	102.9	
04.20.2021	21:34:52	S	3351.58	W	1307.26	7.2	4.7	1.5	49.8	53.1	-0.1	-0.4	314.5	8.14	103.0	
04.20.2021	21:35:52	S	3351.6	W	1307.05	6.5	4.8	1.3	51.2	54.1	0.0	-0.3	312.4	8.16	103.0	
04.20.2021	21:36:52	S	3351.61	W	1306.78	7.0	4.8	1.4	47.6	53.4	0.0	-0.2	314.4	8.15	103.2	
04.20.2021	21:37:52	S	3351.63	W	1306.55	7.2	4.7	1.5	47.5	53.3	-0.1	-0.4	318.4	8.14	103.4	
04.20.2021	21:38:52	S	3351.63	W	1306.32	6.9	4.7	1.4	49.6	53.1	-0.1	-0.4	317.9	8.17	103.2	
04.20.2021	21:39:52	S	3351.63	W	1306.07	7.6	4.8	1.5	49.9	53.4	-0.1	-0.3	319.5	8.17	103.3	
04.20.2021	21:40:53	S	3351.62	W	1305.86	8.1	4.8	1.6	49.5	56.0	-0.0	-0.2	322.0	8.14	103.0	
04.20.2021	21:41:53	S	3351.61	W	1305.58	9.4	4.8	1.9	51.8	54.2	-0.1	-0.3	321.0	8.14	103.4	
04.20.2021	21:42:53	S	3351.61	W	1305.35	7.8	4.8	1.6	50.5	54.0	0.0	-0.2	321.7	8.18	103.5	
04.20.2021	21:43:53	S	3351.62	W	1305.12	6.8	4.7	1.4	50.8	54.5	-0.1	-0.3	321.5	8.16	103.0	
04.20.2021	21:44:53	S	3351.62	W	1304.89	7.5	4.7	1.6	51.0	54.2	0.0	-0.3	322.1	8.14	103.0	
04.20.2021	21:45:53	S	3351.61	W	1304.62	7.6	4.8	1.5	49.0	54.2	-0.1	-0.3	319.1	8.14	103.0	
04.20.2021	21:46:53	S	3351.61	W	1304.42	7.4	4.7	1.5	49.8	55.5	-0.1	-0.4	321.3	8.14	103.4	
04.20.2021	21:47:53	S	3351.6	W	1304.16	7.4	4.8	1.5	50.7	54.6	-0.1	-0.3	317.5	8.17	103.3	
04.20.2021	21:48:53	S	3351.6	W	1303.91	7.0	4.8	1.4	50.1	54.6	-0.1	-0.3	321.7	8.14	103.4	
04.20.2021	21:49:53	S	3351.59	W	1303.7	9.5	4.8	2.0	51.2	53.5	0.0	-0.2	313.9	8.14	103.8	
04.20.2021	21:50:52	S	3351.59	W	1303.45	9.8	4.7	2.1	49.0	53.8	0.0	-0.2	316.5	8.18	103.5	
04.20.2021	21:51:52	S	3351.58	W	1303.21	9.8	4.7	2.1	49.6	53.1	-0.0	-0.3	312.9	8.14	103.7	
04.20.2021	21:52:52	S	3351.58	W	1302.96	9.3	4.7	2.0	50.0	53.5	-0.1	-0.2	316.9	8.18	103.9	
04.20.2021	21:53:52	S	3351.57	W	1302.71	9.3	4.8	1.9	51.1	53.2	-0.1	-0.3	319.8	8.17	103.6	
04.20.2021	21:54:52	S	3351.58	W	1302.46	7.5	4.8	1.5	50.7	53.7	-0.2	-0.3	319.8	8.14	103.8	
04.20.2021	21:55:52	S	3351.58	W	1302.27	6.8	4.7	1.4	50.4	53.1	-0.2	-0.4	322.0	8.14	103.7	
04.20.2021	21:56:52	S	3351.59	W	1302	6.6	4.7	1.3	47.8	54.0	-0.0	-0.3	321.9	8.14	103.7	
04.20.2021	21:57:52	S	3351.59	W	1301.79	8.0	4.7	1.7	48.6	54.4	-0.1	-0.3	322.7	8.14	103.7	
04.20.2021	21:58:52	S	3351.6	W	1301.52	6.5	4.8	1.3	51.9	54.0	-0.0	-0.3	322.5	8.17	103.0	
04.20.2021	21:59:52	S	3351.61	W	1301.29	8.2	4.8	1.6	51.2	55.0	-0.0	-0.3	321.0	8.14	103.7	
04.20.2021	22:00:52	S	3351.62	W	1301.08	7.4	4.8	1.5	50.1	54.8	-0.1	-0.3	321.9	8.14	103.7	
04.20.2021	22:01:52	S	3351.63	W	1300.83	9.3	4.7	2.0	48.3	53.8	-0.1	-0.3	321.6	8.14	103.7	
04.20.2021	22:02:52	S	3351.64	W	1300.58	8.8	4.7	1.9	49.6	54.0	-0.1	-0.3	321.1	8.14	103.7	
04.20.2021	22:03:52	S	3351.64	W	1300.36	8.3	4.7	1.7	51.3	54.2	-0.1	-0.3	320.7	8.18	103.7	
04.20.2021	22:04:52	S	3351.65	W	1300.14	11.6	4.8	2.4	51.6	54.7	-0.0	-0.3	317.5	8.14	103.7	
04.20.2021	22:05:52	S	3351.66	W	1259.89	9.7	4.7	2.0	51.5	54.0	0.0	-0.2	316.8	8.14	103.7	
04.20.2021	22:06:52	S	3351.68	W	1259.64	8.3	4.7	1.8	48.9	60.1	-0.1	-0.3	315.8	8.17	103.7	
04.20.2021	22:07:52	S	3351.68	W	1259.4	9.8	4.7	2.1	49.7	61.3	-0.1	-0.4	314.8	8.14	103.7	
04.20.2021	22:08:52	S	3351.69	W	1259.18	11.8	4.8	2.4	50.0	60.1	-0.1	-0.3	315.7	8.14	103.7	
04.20.2021	22:09:52	S	3351.7	W	1258.93	11.2	4.8	2.3	52.0	60.3	-0.1	-0.3	318.5	8.17	103.7	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	22:10:52	S	3351.7	W	1258.72	13.2	4.8	2.7	50.8	60.5	-0.0	-0.3	317.8	8.17	103.7	
04.20.2021	22:11:52	S	3351.71	W	1258.43	13.6	4.7	2.8	49.5	60.4	-0.1	-0.3	322.2	8.17	103.7	
04.20.2021	22:12:52	S	3351.71	W	1258.22	14.6	4.7	3.0	50.0	61.3	-0.0	-0.2	322.8	8.17	103.7	
04.20.2021	22:13:52	S	3351.72	W	1257.96	12.0	4.7	2.5	50.2	60.6	-0.0	-0.3	323.1	8.17	103.7	
04.20.2021	22:14:52	S	3351.73	W	1257.73	12.0	4.7	2.5	48.7	60.5	-0.0	-0.3	320.7	8.14	103.7	
04.20.2021	22:15:52	S	3351.74	W	1257.51	13.9	4.7	2.9	49.4	60.1	-0.1	-0.3	322.5	8.13	103.7	
04.20.2021	22:16:52	S	3351.74	W	1257.27	12.9	4.8	2.7	50.2	60.2	-0.1	-0.3	322.0	8.18	103.7	
04.20.2021	22:17:52	S	3351.75	W	1257.01	11.6	4.7	2.4	47.7	60.2	-0.0	-0.3	322.6	8.14	103.7	
04.20.2021	22:18:52	S	3351.76	W	1256.78	14.8	4.7	3.1	50.0	60.7	-0.1	-0.3	318.0	8.17	103.7	
04.20.2021	22:19:52	S	3351.77	W	1256.54	10.9	4.8	2.2	51.0	60.5	-0.0	-0.3	319.6	8.14	103.7	
04.20.2021	22:20:54	S	3351.77	W	1256.32	11.5	4.7	2.4	48.2	60.4	-0.1	-0.3	318.0	8.14	103.7	
04.20.2021	22:21:54	S	3351.78	W	1256.07	14.3	4.7	3.0	50.2	53.6	0.0	-0.2	316.4	8.17	103.7	
04.20.2021	22:22:54	S	3351.78	W	1255.8	13.8	4.8	2.9	51.9	57.2	0.0	-0.2	312.2	8.14	103.7	
04.20.2021	22:23:54	S	3351.79	W	1255.58	13.0	4.8	2.7	51.5	55.6	-0.1	-0.3	314.5	8.14	103.5	
04.20.2021	22:24:54	S	3351.79	W	1255.33	14.1	4.8	2.9	51.3	55.7	-0.1	-0.3	316.5	8.17	103.7	
04.20.2021	22:25:54	S	3351.8	W	1255.08	13.1	4.8	2.7	50.9	55.9	-0.1	-0.3	317.8	8.14	103.5	
04.20.2021	22:26:54	S	3351.81	W	1254.88	12.9	4.7	2.7	50.3	55.2	0.0	-0.3	318.8	8.17	103.7	
04.20.2021	22:27:54	S	3351.82	W	1254.65	15.1	4.8	3.1	51.4	53.4	0.0	-0.2	321.3	8.17	103.7	
04.20.2021	22:28:54	S	3351.82	W	1254.4	13.1	4.8	2.7	50.1	53.7	0.0	-0.2	321.6	8.17	103.7	
04.20.2021	22:29:54	S	3351.83	W	1254.17	14.0	4.8	2.9	51.0	53.6	-0.1	-0.4	322.3	8.17	103.7	
04.20.2021	22:30:49	S	3351.84	W	1253.92	13.1	4.7	2.7	50.3	53.6	-0.1	-0.4	322.2	8.17	103.7	
04.20.2021	22:31:49	S	3351.86	W	1253.66	14.4	4.7	3.0	48.8	54.0	-0.0	-0.3	321.3	8.17	103.7	
04.20.2021	22:32:49	S	3351.86	W	1253.43	13.5	4.7	2.8	49.6	53.2	0.0	-0.2	321.3	8.17	103.7	
04.20.2021	22:33:49	S	3351.87	W	1253.22	13.8	4.8	2.8	48.6	53.5	-0.0	-0.2	322.0	8.18	103.7	
04.20.2021	22:34:49	S	3351.88	W	1252.96	15.4	4.7	3.2	51.3	57.1	0.0	-0.2	319.2	8.14	103.7	
04.20.2021	22:35:49	S	3351.89	W	1252.76	13.6	4.8	2.8	49.9	54.6	0.0	-0.3	321.4	8.13	103.7	
04.20.2021	22:36:49	S	3351.91	W	1252.48	15.8	4.8	3.3	49.9	54.7	-0.1	-0.3	315.9	8.17	103.7	
04.20.2021	22:37:49	S	3351.91	W	1252.29	12.6	4.7	2.6	50.4	54.4	-0.0	-0.3	319.4	8.14	103.7	
04.20.2021	22:38:49	S	3351.92	W	1252.04	14.5	4.7	3.0	50.2	53.4	-0.1	-0.3	313.3	8.15	104.4	
04.20.2021	22:39:49	S	3351.93	W	1251.79	13.5	4.8	2.8	49.2	53.2	-0.1	-0.3	316.6	8.12	104.4	
04.20.2021	22:40:51	S	3351.93	W	1251.53	12.4	4.7	2.6	50.3	54.1	-0.1	-0.3	315.7	8.12	104.4	
04.20.2021	22:41:51	S	3351.94	W	1251.31	15.2	4.7	3.2	51.4	53.2	-0.1	-0.3	318.4	8.15	104.6	
04.20.2021	22:42:51	S	3351.95	W	1251.07	14.6	4.7	3.0	49.7	52.9	-0.0	-0.3	317.4	8.13	104.4	
04.20.2021	22:43:51	S	3351.96	W	1250.82	14.2	4.7	2.9	49.2	53.5	-0.1	-0.3	321.2	8.13	104.6	
04.20.2021	22:44:51	S	3351.96	W	1250.62	12.9	4.8	2.7	50.9	54.0	-0.0	-0.2	322.1	8.15	104.6	
04.20.2021	22:45:51	S	3351.97	W	1250.37	9.7	4.8	1.9	50.7	54.3	0.0	-0.2	322.1	8.15	104.6	
04.20.2021	22:46:51	S	3351.98	W	1250.1	11.5	4.7	2.4	49.6	53.9	-0.0	-0.3	321.6	8.12	104.4	
04.20.2021	22:47:51	S	3351.99	W	1249.87	14.4	4.7	3.0	49.1	53.8	-0.0	-0.3	322.9	8.15	104.2	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	22:48:51	S	3352	W	1249.65	13.5	4.7	2.8	51.6	54.4	-0.1	-0.4	321.2	8.13	104.6	
04.20.2021	22:49:51	S	3352.01	W	1249.37	13.2	4.7	2.7	49.1	54.2	-0.0	-0.3	323.4	8.15	104.6	
04.20.2021	22:50:53	S	3352.01	W	1249.14	11.3	4.7	2.4	50.8	55.1	-0.0	-0.3	321.6	8.15	104.6	
04.20.2021	22:51:53	S	3352.02	W	1248.89	9.1	4.7	1.9	50.8	54.2	-0.1	-0.3	318.1	8.15	104.6	
04.20.2021	22:52:53	S	3352.03	W	1248.71	9.5	4.8	1.9	50.7	54.5	-0.1	-0.3	318.8	8.13	104.6	
04.20.2021	22:53:53	S	3352.04	W	1248.43	9.4	4.8	1.9	52.5	54.1	-0.1	-0.3	318.7	8.15	104.6	
04.20.2021	22:54:53	S	3352.05	W	1248.17	12.5	4.8	2.6	49.4	53.6	-0.1	-0.3	316.1	8.15	104.6	
04.20.2021	22:55:53	S	3352.06	W	1247.96	10.7	4.7	2.2	50.9	53.5	-0.1	-0.3	317.3	8.18	104.6	
04.20.2021	22:56:53	S	3352.06	W	1247.74	9.7	4.7	2.0	49.1	60.0	0.0	-0.2	314.9	8.14	104.6	
04.20.2021	22:57:53	S	3352.07	W	1247.48	10.9	4.8	2.2	49.1	59.4	-0.0	-0.3	316.4	8.15	104.6	
04.20.2021	22:58:53	S	3352.08	W	1247.26	8.0	4.8	1.6	51.3	64.4	0.0	-0.2	317.6	8.18	104.6	
04.20.2021	22:59:53	S	3352.09	W	1246.99	6.9	4.8	1.4	50.4	64.7	0.0	-0.2	321.4	8.15	104.6	
04.20.2021	23:00:50	S	3352.11	W	1246.76	7.6	4.8	1.5	50.1	65.1	0.0	-0.2	322.0	8.15	104.6	
04.20.2021	23:01:50	S	3352.13	W	1246.51	8.9	4.7	1.9	50.6	64.3	-0.0	-0.2	322.0	8.15	104.6	
04.20.2021	23:02:50	S	3352.14	W	1246.29	9.8	4.8	2.0	49.5	64.3	-0.1	-0.3	321.6	8.15	104.6	
04.20.2021	23:03:50	S	3352.16	W	1246.04	7.0	4.8	1.4	51.2	64.5	0.0	-0.2	321.5	8.13	104.6	
04.20.2021	23:04:50	S	3352.17	W	1245.83	7.0	4.8	1.4	49.4	64.9	-0.2	-0.4	323.1	8.15	104.6	
04.20.2021	23:05:50	S	3352.19	W	1245.59	8.6	4.8	1.7	50.4	64.7	-0.2	-0.3	323.3	8.13	104.6	
04.20.2021	23:06:50	S	3352.21	W	1245.32	8.0	4.7	1.7	50.5	64.2	-0.1	-0.3	322.2	8.15	104.6	
04.20.2021	23:07:50	S	3352.22	W	1245.11	9.2	4.8	1.8	49.3	64.9	0.0	-0.2	319.4	8.15	104.6	
04.20.2021	23:08:50	S	3352.24	W	1244.86	6.5	4.7	1.3	51.0	65.1	-0.1	-0.4	319.5	8.13	104.6	
04.20.2021	23:09:50	S	3352.25	W	1244.6	7.4	4.8	1.5	49.4	64.5	-0.1	-0.3	315.2	8.18	104.6	
04.20.2021	23:10:54	S	3352.26	W	1244.4	7.4	4.8	1.5	50.2	64.3	-0.0	-0.3	315.6	8.13	104.6	
04.20.2021	23:11:54	S	3352.28	W	1244.13	8.0	4.8	1.6	50.2	64.7	-0.1	-0.3	314.4	8.16	104.4	
04.20.2021	23:12:54	S	3352.3	W	1243.91	7.6	4.8	1.5	50.6	57.7	-0.0	-0.2	316.4	8.13	104.6	
04.20.2021	23:13:55	S	3352.3	W	1243.86	8.5	4.7	1.8	49.7	56.9	-0.1	-0.3	314.3	8.13	104.6	
04.20.2021	23:14:54	S	3352.33	W	1243.41	7.6	4.7	1.6	49.7	56.8	-0.0	-0.3	318.3	8.13	104.6	
04.20.2021	23:15:54	S	3352.34	W	1243.19	6.4	4.8	1.3	49.1	57.0	0.0	-0.2	321.3	8.16	104.6	
04.20.2021	23:16:54	S	3352.36	W	1242.94	5.0	4.8	1.0	51.5	57.4	-0.1	-0.3	322.5	8.16	104.6	
04.20.2021	23:17:54	S	3352.38	W	1242.73	8.2	4.8	1.6	50.3	57.6	-0.1	-0.3	322.1	8.13	104.6	
04.20.2021	23:18:54	S	3352.4	W	1242.47	8.5	4.7	1.8	47.8	57.5	0.0	-0.3	321.2	8.13	104.6	
04.20.2021	23:19:54	S	3352.41	W	1242.26	6.2	4.7	1.3	48.7	57.6	0.1	-0.2	321.3	8.13	104.6	
04.20.2021	23:20:53	S	3352.43	W	1242.02	6.0	4.7	1.2	51.5	57.3	-0.1	-0.3	322.5	8.13	104.6	
04.20.2021	23:21:53	S	3352.45	W	1241.78	7.7	4.7	1.6	50.3	57.1	-0.0	-0.3	320.9	8.15	104.6	
04.20.2021	23:22:53	S	3352.46	W	1241.54	4.8	4.8	1.0	50.8	56.9	0.0	-0.1	322.4	8.16	104.6	
04.20.2021	23:23:53	S	3352.48	W	1241.3	5.2	4.8	1.0	49.8	57.1	-0.1	-0.3	318.5	8.13	104.6	
04.20.2021	23:24:53	S	3352.49	W	1241.07	6.5	4.7	1.3	49.4	57.2	0.0	-0.2	319.6	8.13	104.6	
04.20.2021	23:25:53	S	3352.5	W	1240.96	5.8	4.7	1.2	49.6	56.6	-0.0	-0.3	315.4	8.13	104.6	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.20.2021	23:26:53	S	3352.5	W	1240.96	6.7	4.8	1.3	50.3	59.1	-0.0	-0.2	318.2	8.13	104.6
04.20.2021	23:27:53	S	3352.54	W	1240.39	5.4	4.8	1.1	52.0	55.2	-0.1	-0.4	313.6	8.13	104.6
04.20.2021	23:28:53	S	3352.55	W	1240.15	7.1	4.8	1.4	49.3	54.4	-0.1	-0.3	316.9	8.13	104.6
04.20.2021	23:29:53	S	3352.57	W	1239.91	8.5	4.7	1.8	48.7	54.2	0.0	-0.3	316.2	8.13	104.6
04.20.2021	23:30:47	S	3352.59	W	1239.67	6.9	4.8	1.4	49.4	53.2	-0.0	-0.3	315.3	8.16	104.6
04.20.2021	23:31:47	S	3352.6	W	1239.44	8.2	4.8	1.6	50.1	52.8	-0.1	-0.3	319.5	8.13	104.6
04.20.2021	23:32:47	S	3352.62	W	1239.21	6.8	4.8	1.4	48.7	53.4	-0.1	-0.4	321.2	8.13	104.6
04.20.2021	23:33:47	S	3352.63	W	1238.97	5.5	4.8	1.1	50.4	54.4	-0.0	-0.3	322.1	8.13	104.6
04.20.2021	23:34:47	S	3352.65	W	1238.74	6.3	4.8	1.3	48.6	53.7	0.0	-0.2	321.6	8.13	104.6
04.20.2021	23:35:47	S	3352.67	W	1238.53	6.4	4.8	1.3	48.9	53.9	-0.0	-0.3	322.8	8.13	104.6
04.20.2021	23:36:47	S	3352.69	W	1238.3	7.3	4.8	1.5	49.5	54.4	-0.1	-0.3	322.3	8.13	104.6
04.20.2021	23:37:47	S	3352.71	W	1238.06	5.6	4.8	1.1	51.6	54.1	0.1	-0.2	320.6	8.16	104.4
04.20.2021	23:38:47	S	3352.73	W	1237.81	6.2	4.8	1.2	49.7	53.5	-0.1	-0.3	322.5	8.13	104.6
04.20.2021	23:39:47	S	3352.74	W	1237.59	4.9	4.7	1.0	48.0	52.8	-0.1	-0.3	320.6	8.13	104.6
04.20.2021	23:40:49	S	3352.76	W	1237.32	6.3	4.8	1.3	50.8	55.2	0.0	-0.3	318.7	8.13	104.6
04.20.2021	23:41:49	S	3352.78	W	1237.11	7.2	4.8	1.4	50.4	53.1	0.0	-0.3	318.5	8.13	104.6
04.20.2021	23:42:49	S	3352.79	W	1236.89	5.5	4.8	1.1	50.7	52.9	-0.1	-0.3	315.4	8.13	104.6
04.20.2021	23:43:49	S	3352.81	W	1236.64	8.6	4.8	1.7	51.2	53.3	-0.1	-0.3	315.3	8.13	104.6
04.20.2021	23:44:49	S	3352.83	W	1236.4	7.4	4.8	1.5	52.0	53.8	-0.1	-0.3	319.5	8.13	104.6
04.20.2021	23:45:49	S	3352.84	W	1236.2	6.1	4.8	1.2	48.3	52.3	-0.1	-0.3	318.5	8.13	104.6
04.20.2021	23:46:49	S	3352.86	W	1235.96	5.8	4.8	1.2	47.8	57.8	-0.2	-0.4	318.3	8.13	104.6
04.20.2021	23:47:49	S	3352.87	W	1235.74	7.6	4.7	1.6	48.8	59.8	-0.1	-0.3	319.4	8.16	104.6
04.20.2021	23:48:49	S	3352.86	W	1235.49	13.6	4.8	2.8	51.1	60.7	-0.0	-0.3	322.1	8.13	104.6
04.20.2021	23:49:49	S	3352.86	W	1235.26	11.6	4.8	2.4	49.9	60.9	-0.0	-0.3	322.4	8.15	104.6
04.20.2021	23:50:45	S	3352.86	W	1235.04	14.0	4.8	2.9	50.8	61.7	0.0	-0.2	323.0	8.13	104.6
04.20.2021	23:51:45	S	3352.87	W	1234.79	11.5	4.8	2.4	49.5	61.0	-0.1	-0.3	321.1	8.13	104.6
04.20.2021	23:52:45	S	3352.88	W	1234.55	12.7	4.7	2.6	47.9	63.1	-0.1	-0.3	320.8	8.13	104.6
04.20.2021	23:53:45	S	3352.88	W	1234.32	13.7	4.8	2.8	49.4	63.8	-0.0	-0.2	321.1	8.15	104.6
04.20.2021	23:54:45	S	3352.88	W	1234.1	14.1	4.8	2.9	49.6	64.5	-0.0	-0.2	320.8	8.13	104.6
04.20.2021	23:55:45	S	3352.88	W	1233.84	12.3	4.8	2.6	49.9	64.1	-0.1	-0.3	317.4	8.13	104.6
04.20.2021	23:56:45	S	3352.88	W	1233.61	14.0	4.8	2.9	51.2	61.1	-0.1	-0.4	318.8	8.13	104.6
04.20.2021	23:57:45	S	3352.88	W	1233.38	14.1	4.8	2.9	48.1	61.4	-0.1	-0.3	317.9	8.13	104.6
04.20.2021	23:58:45	S	3352.88	W	1233.12	11.9	4.8	2.5	50.3	63.0	-0.1	-0.3	315.3	8.13	104.6
04.20.2021	23:59:45	S	3352.88	W	1232.9	14.1	4.8	2.9	49.9	60.9	0.0	-0.2	313.1	8.13	104.6

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	00:00:48	S	3339.06	W	1819.79	2.7	4.05	144	3.19	35.4	4.4	1.7	21.8	3.77	0.76
04.20.2021	00:01:48	S	3339.07	W	1819.6	2.7	4.05	144	3.19	35.4	4.4	1.7	21.9	3.77	0.76
04.20.2021	00:02:48	S	3339.1	W	1819.29	2.8	4.05	144	3.19	35.4	4.4	1.7	21.9	3.73	0.75
04.20.2021	00:03:48	S	3339.11	W	1819.06	2.7	4.05	144	3.19	35.4	4.4	1.7	21.8	3.78	0.75
04.20.2021	00:04:48	S	3339.13	W	1818.81	2.7	4.05	144	3.19	35.4	4.5	1.7	22.0	3.73	0.73
04.20.2021	00:05:48	S	3339.14	W	1818.56	2.7	4.05	144	3.19	35.4	4.4	1.7	22.0	3.73	0.75
04.20.2021	00:06:48	S	3339.16	W	1818.34	2.8	4.05	144	3.19	35.4	4.5	1.7	21.8	3.75	0.76
04.20.2021	00:07:48	S	3339.18	W	1818.11	2.8	4.05	144	3.19	35.4	4.4	1.7	21.8	3.67	0.74
04.20.2021	00:08:48	S	3339.2	W	1817.82	2.8	4.05	144	3.19	35.4	4.4	1.7	21.9	3.75	0.75
04.20.2021	00:09:48	S	3339.21	W	1817.62	2.7	4.05	144	3.19	35.4	4.4	1.7	21.7	3.70	0.75
04.20.2021	00:10:42	S	3339.23	W	1817.32	2.7	4.05	144	3.19	35.4	4.4	1.7	21.8	3.70	0.77
04.20.2021	00:11:42	S	3339.25	W	1817.09	2.8	4.05	144	3.19	35.4	4.6	1.7	21.6	3.71	0.74
04.20.2021	00:12:42	S	3339.27	W	1816.83	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.73	0.77
04.20.2021	00:13:42	S	3339.29	W	1816.59	2.7	4.05	144	3.19	35.4	4.5	1.7	21.7	3.70	0.76
04.20.2021	00:14:42	S	3339.31	W	1816.39	2.7	4.05	144	3.19	35.4	4.4	1.7	21.7	3.69	0.75
04.20.2021	00:15:42	S	3339.33	W	1816.12	2.7	4.05	144	3.19	35.4	4.5	1.7	21.8	3.75	0.74
04.20.2021	00:16:42	S	3339.35	W	1815.83	2.7	4.05	144	3.19	35.4	4.5	1.7	22.0	3.76	0.74
04.20.2021	00:17:42	S	3339.36	W	1815.62	2.7	4.05	144	3.19	35.4	4.4	1.7	21.8	3.71	0.75
04.20.2021	00:18:42	S	3339.37	W	1815.37	2.8	4.05	144	3.19	35.4	4.5	1.7	21.9	3.77	0.74
04.20.2021	00:19:42	S	3339.38	W	1815.11	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.73	0.74
04.20.2021	00:20:45	S	3339.4	W	1814.86	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.77	0.77
04.20.2021	00:21:45	S	3339.41	W	1814.64	2.8	4.05	144	3.19	35.4	4.5	1.7	21.9	3.72	0.75
04.20.2021	00:22:45	S	3339.42	W	1814.38	2.7	4.05	144	3.19	35.4	4.5	1.7	21.9	3.75	0.76
04.20.2021	00:23:45	S	3339.43	W	1814.14	2.7	4.05	144	3.19	35.4	4.5	1.7	21.7	3.73	0.75
04.20.2021	00:24:45	S	3339.42	W	1813.89	2.7	4.05	144	3.19	35.4	4.5	1.7	21.9	3.75	0.77
04.20.2021	00:25:45	S	3339.42	W	1813.68	2.8	4.05	144	3.19	35.4	4.5	1.7	22.0	3.79	0.78
04.20.2021	00:26:45	S	3339.42	W	1813.39	2.7	4.05	144	3.19	35.4	4.5	1.7	22.0	3.74	0.75
04.20.2021	00:27:45	S	3339.42	W	1813.18	2.8	4.05	144	3.19	35.4	4.4	1.7	21.8	3.74	0.77
04.20.2021	00:28:45	S	3339.43	W	1812.94	2.7	4.05	144	3.19	35.4	4.4	1.7	21.9	3.72	0.75
04.20.2021	00:29:45	S	3339.43	W	1812.71	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.73	0.75
04.20.2021	00:30:50	S	3339.43	W	1812.42	2.7	4.05	144	3.19	35.4	4.4	1.7	21.6	3.66	0.74
04.20.2021	00:31:50	S	3339.43	W	1812.2	2.8	4.05	144	3.19	35.4	4.4	1.7	21.7	3.73	0.75
04.20.2021	00:32:50	S	3339.43	W	1811.98	2.7	4.05	144	3.19	35.4	4.4	1.7	21.7	3.75	0.76
04.20.2021	00:33:50	S	3339.44	W	1811.7	2.8	4.05	144	3.19	35.4	4.4	1.7	21.6	3.75	0.78
04.20.2021	00:34:50	S	3339.44	W	1811.47	2.7	4.05	144	3.19	35.4	4.4	1.7	21.8	3.74	0.73
04.20.2021	00:35:50	S	3339.44	W	1811.24	2.7	4.05	144	3.19	35.4	4.4	1.7	22.0	3.73	0.79
04.20.2021	00:36:50	S	3339.44	W	1811	2.7	4.05	144	3.19	35.4	4.5	1.7	21.9	3.72	0.73
04.20.2021	00:37:50	S	3339.44	W	1810.72	2.7	4.05	144	3.19	35.4	4.4	1.7	22.0	3.77	0.75

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	00:38:50	S	3339.44	W	1810.5	2.8	4.05	144	3.19	35.4	4.5	1.6	21.9	3.72	0.74
04.20.2021	00:39:50	S	3339.44	W	1810.26	2.8	4.05	144	3.19	35.4	4.4	1.6	21.7	3.74	0.74
04.20.2021	00:40:43	S	3339.44	W	1810.04	2.8	4.05	144	3.19	35.4	4.4	1.6	21.6	3.75	0.75
04.20.2021	00:41:43	S	3339.44	W	1809.8	2.8	4.05	144	3.19	35.4	4.5	1.6	21.6	3.67	0.73
04.20.2021	00:42:43	S	3339.44	W	1809.54	2.7	4.05	144	3.19	35.4	4.4	1.6	21.6	3.71	0.76
04.20.2021	00:43:43	S	3339.44	W	1809.31	2.7	4.05	144	3.19	35.4	4.4	1.6	21.8	3.68	0.73
04.20.2021	00:44:43	S	3339.44	W	1809.05	2.8	4.05	144	3.19	35.4	4.5	1.6	21.7	3.69	0.74
04.20.2021	00:45:43	S	3339.44	W	1808.83	2.7	4.05	144	3.19	35.4	4.4	1.6	21.5	3.71	0.76
04.20.2021	00:46:43	S	3339.44	W	1808.54	2.8	4.05	144	3.19	35.4	4.5	1.6	21.6	3.68	0.71
04.20.2021	00:47:43	S	3339.44	W	1808.3	2.8	4.05	144	3.19	35.4	4.5	1.6	21.8	3.72	0.75
04.20.2021	00:48:43	S	3339.45	W	1808.06	2.8	4.05	144	3.19	35.4	4.5	1.6	21.8	3.74	0.76
04.20.2021	00:49:43	S	3339.46	W	1807.84	2.8	4.05	144	3.19	35.4	4.6	1.7	21.6	3.76	0.73
04.20.2021	00:50:42	S	3339.49	W	1807.6	2.7	4.05	144	3.19	35.4	4.6	1.6	21.4	3.74	0.75
04.20.2021	00:51:42	S	3339.5	W	1807.33	2.7	4.05	144	3.19	35.4	4.5	1.6	21.5	3.79	0.77
04.20.2021	00:52:42	S	3339.52	W	1807.11	2.8	4.05	144	3.19	35.4	4.4	1.7	21.6	3.75	0.74
04.20.2021	00:53:42	S	3339.53	W	1806.84	2.8	4.05	144	3.19	35.4	4.4	1.7	21.9	3.75	0.76
04.20.2021	00:54:42	S	3339.54	W	1806.62	2.7	4.05	144	3.19	35.4	4.5	1.7	21.8	3.72	0.76
04.20.2021	00:55:42	S	3339.55	W	1806.37	2.8	4.05	144	3.19	35.4	4.5	1.7	21.5	3.75	0.76
04.20.2021	00:56:42	S	3339.57	W	1806.12	2.8	4.05	144	3.19	35.4	4.5	1.7	21.5	3.74	0.75
04.20.2021	00:57:42	S	3339.58	W	1805.88	2.8	4.05	144	3.19	35.4	4.5	1.7	21.5	3.72	0.76
04.20.2021	00:58:42	S	3339.6	W	1805.63	2.8	4.05	144	3.19	35.4	4.5	1.7	21.5	3.70	0.75
04.20.2021	00:59:42	S	3339.61	W	1805.43	2.7	4.05	144	3.19	35.4	4.5	1.7	21.7	3.74	0.73
04.20.2021	01:00:49	S	3339.63	W	1805.14	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.67	0.77
04.20.2021	01:01:49	S	3339.64	W	1804.92	2.7	4.05	144	3.19	35.4	4.5	1.7	21.8	3.74	0.77
04.20.2021	01:02:49	S	3339.65	W	1804.65	2.8	4.05	144	3.19	35.4	4.5	1.7	22.0	3.81	0.78
04.20.2021	01:03:49	S	3339.67	W	1804.44	2.7	4.05	144	3.19	35.4	4.5	1.7	21.8	3.77	0.78
04.20.2021	01:04:49	S	3339.68	W	1804.18	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.73	0.74
04.20.2021	01:05:49	S	3339.7	W	1803.95	2.8	4.05	144	3.19	35.4	4.5	1.7	21.5	3.74	0.74
04.20.2021	01:06:49	S	3339.71	W	1803.71	2.8	4.05	144	3.19	35.4	4.6	1.7	21.3	3.75	0.75
04.20.2021	01:07:49	S	3339.73	W	1803.49	2.8	4.05	144	3.19	35.4	4.5	1.7	21.4	3.70	0.76
04.20.2021	01:08:49	S	3339.75	W	1803.22	2.8	4.05	144	3.19	35.4	4.5	1.7	21.5	3.73	0.73
04.20.2021	01:09:49	S	3339.76	W	1802.98	2.7	4.05	144	3.19	35.4	4.5	1.7	21.5	3.78	0.77
04.20.2021	01:10:42	S	3339.78	W	1802.75	2.8	4.05	144	3.19	35.4	4.5	1.7	21.5	3.75	0.78
04.20.2021	01:11:42	S	3339.8	W	1802.51	2.8	4.05	144	3.19	35.4	4.5	1.7	21.6	3.77	0.76
04.20.2021	01:12:42	S	3339.82	W	1802.24	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.77	0.78
04.20.2021	01:13:42	S	3339.84	W	1802.02	2.7	4.05	144	3.19	35.4	4.5	1.7	21.6	3.72	0.73
04.20.2021	01:14:42	S	3339.86	W	1801.73	2.7	4.05	144	3.19	35.4	4.5	1.7	21.6	3.76	0.76
04.20.2021	01:15:42	S	3339.87	W	1801.53	2.8	4.05	144	3.19	35.4	4.4	1.7	21.7	3.66	0.73

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	01:16:42	S	3339.89	W	1801.26	2.7	4.05	144	3.19	35.4	4.4	1.7	21.7	3.67	0.73	
04.20.2021	01:17:42	S	3339.91	W	1801.03	2.7	4.05	144	3.19	35.4	4.5	1.6	21.5	3.74	0.77	
04.20.2021	01:18:42	S	3339.93	W	1800.76	2.8	4.05	144	3.19	35.4	4.5	1.6	21.5	3.75	0.73	
04.20.2021	01:19:42	S	3339.95	W	1800.55	2.8	4.05	144	3.19	35.4	4.4	1.6	21.8	3.77	0.76	
04.20.2021	01:20:42	S	3339.97	W	1800.31	2.7	4.05	144	3.19	35.4	4.5	1.6	21.8	3.76	0.76	
04.20.2021	01:21:42	S	3339.98	W	1800.05	2.8	4.05	144	3.19	35.4	4.5	1.6	21.8	3.69	0.71	
04.20.2021	01:22:42	S	3340	W	1759.81	2.7	4.05	144	3.19	35.4	4.5	1.6	21.9	3.73	0.75	
04.20.2021	01:23:42	S	3340.01	W	1759.53	2.7	4.05	144	3.19	35.4	4.5	1.6	21.9	3.72	0.72	
04.20.2021	01:24:42	S	3340.02	W	1759.29	2.7	4.05	144	3.19	35.4	4.5	1.7	21.9	3.76	0.75	
04.20.2021	01:25:42	S	3340.03	W	1759.08	2.8	4.05	144	3.19	35.4	4.5	1.7	21.9	3.77	0.76	
04.20.2021	01:26:42	S	3340.04	W	1758.81	2.7	4.05	144	3.19	35.4	4.5	1.7	21.8	3.76	0.75	
04.20.2021	01:27:42	S	3340.06	W	1758.59	2.7	4.05	144	3.19	35.4	4.6	1.7	21.6	3.71	0.77	
04.20.2021	01:28:42	S	3340.07	W	1758.37	2.8	4.05	144	3.19	35.4	4.5	1.7	21.8	3.74	0.81	
04.20.2021	01:29:42	S	3340.08	W	1758.12	2.8	4.05	144	3.19	35.4	4.5	1.7	21.9	3.69	0.77	
04.20.2021	01:30:42	S	3340.09	W	1757.86	2.8	4.05	144	3.19	35.4	4.5	1.7	21.9	3.71	0.76	
04.20.2021	01:31:42	S	3340.11	W	1757.6	2.8	4.05	144	3.19	35.4	4.5	1.7	21.7	3.67	0.72	
04.20.2021	01:32:42	S	3340.12	W	1757.35	2.7	4.05	144	3.19	35.4	4.4	1.7	21.5	3.67	0.76	
04.20.2021	01:33:42	S	3340.13	W	1757.13	2.7	4.05	144	3.19	35.4	4.5	1.7	21.6	3.67	0.76	
04.20.2021	01:34:42	S	3340.14	W	1756.88	2.7	4.05	144	3.19	35.4	4.9	1.8	21.4	3.77	0.76	
04.20.2021	01:35:42	S	3340.15	W	1756.67	2.8	4.05	144	3.19	35.4	4.6	1.8	21.5	3.77	0.76	
04.20.2021	01:36:42	S	3340.16	W	1756.41	2.8	4.05	144	3.19	35.4	4.6	1.8	21.6	3.73	0.76	
04.20.2021	01:37:42	S	3340.17	W	1756.14	2.8	4.05	144	3.19	35.4	4.5	1.8	21.6	3.76	0.76	
04.20.2021	01:38:42	S	3340.18	W	1755.92	2.8	4.05	144	3.19	35.4	4.6	1.8	21.6	3.77	0.77	
04.20.2021	01:39:42	S	3340.19	W	1755.68	2.8	4.05	144	3.19	35.4	4.6	1.8	21.6	3.76	0.75	
04.20.2021	01:40:42	S	3340.2	W	1755.42	2.7	4.02	143	3.19	35.4	4.5	1.8	21.5	3.76	0.74	
04.20.2021	01:41:42	S	3340.2	W	1755.16	2.8	4.02	143	3.19	35.4	4.6	1.8	21.6	3.76	0.75	
04.20.2021	01:42:42	S	3340.2	W	1755.04	2.7	4.02	143	3.19	35.4	4.6	1.8	21.9	3.74	0.75	
04.20.2021	01:43:42	S	3340.2	W	1755.04	2.8	4.02	143	3.19	35.4	4.6	1.8	21.8	3.74	0.75	
04.20.2021	01:44:42	S	3340.23	W	1754.44	2.8	4.02	143	3.19	35.4	4.6	1.8	21.8	3.75	0.76	
04.20.2021	01:45:42	S	3340.24	W	1754.23	2.8	4.02	143	3.19	35.4	4.7	1.8	21.6	3.71	0.74	
04.20.2021	01:46:42	S	3340.25	W	1753.97	2.8	4.02	143	3.19	35.4	4.7	1.8	21.6	3.73	0.73	
04.20.2021	01:47:42	S	3340.26	W	1753.73	2.8	4.02	143	3.19	35.4	4.7	1.9	21.7	3.69	0.75	
04.20.2021	01:48:42	S	3340.27	W	1753.46	2.8	4.02	143	3.19	35.4	4.6	1.9	21.9	3.69	0.75	
04.20.2021	01:49:42	S	3340.27	W	1753.24	2.8	4.02	143	3.19	35.4	4.6	1.9	22.0	3.68	0.72	
04.20.2021	01:50:51	S	3340.28	W	1752.99	2.8	4.02	143	3.19	35.4	4.6	1.8	22.0	3.78	0.77	
04.20.2021	01:51:51	S	3340.29	W	1752.72	2.7	4.02	143	3.19	35.4	4.6	1.9	21.8	3.73	0.74	
04.20.2021	01:52:51	S	3340.29	W	1752.5	2.8	4.02	143	3.19	35.4	4.7	1.9	21.9	3.72	0.74	
04.20.2021	01:53:51	S	3340.3	W	1752.27	2.8	4.02	143	3.19	35.4	4.6	1.9	22.0	3.78	0.74	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	01:54:51	S	3340.31	W	1752.01	2.7	4.02	143	3.19	35.4	4.6	1.9	21.9	3.76	0.77
04.20.2021	01:55:51	S	3340.31	W	1751.75	2.7	4.02	143	3.19	35.4	4.6	1.9	21.6	3.74	0.73
04.20.2021	01:56:51	S	3340.31	W	1751.54	2.8	4.02	143	3.19	35.4	4.6	1.9	21.8	3.74	0.76
04.20.2021	01:57:51	S	3340.31	W	1751.28	2.7	4.02	143	3.19	35.4	4.6	1.9	21.8	3.73	0.73
04.20.2021	01:58:51	S	3340.32	W	1751.03	2.8	4.02	143	3.19	35.4	4.7	1.9	21.8	3.74	0.74
04.20.2021	01:59:51	S	3340.32	W	1750.76	2.8	4.02	143	3.19	35.4	4.6	1.9	22.0	3.76	0.77
04.20.2021	02:00:49	S	3340.32	W	1750.51	2.7	4.02	143	3.19	35.4	4.6	1.9	22.1	3.72	0.77
04.20.2021	02:01:49	S	3340.33	W	1750.27	2.7	4.02	143	3.19	35.4	4.5	1.9	22.3	3.74	0.76
04.20.2021	02:02:49	S	3340.33	W	1750.06	2.8	4.02	143	3.19	35.4	4.5	1.9	22.3	3.74	0.73
04.20.2021	02:03:49	S	3340.33	W	1750.03	2.8	4.02	143	3.19	35.4	4.5	1.8	21.9	3.72	0.78
04.20.2021	02:04:49	S	3340.33	W	1749.54	2.7	4.02	143	3.19	35.4	4.6	1.8	22.1	3.69	0.74
04.20.2021	02:05:49	S	3340.33	W	1749.26	2.8	4.02	143	3.19	35.4	4.5	1.8	21.9	3.73	0.75
04.20.2021	02:06:49	S	3340.33	W	1749.04	2.8	4.02	143	3.19	35.4	4.9	1.8	21.5	3.74	0.78
04.20.2021	02:07:49	S	3340.33	W	1748.79	2.8	4.02	143	3.19	35.4	4.7	1.8	21.8	3.73	0.74
04.20.2021	02:08:49	S	3340.33	W	1748.56	2.8	4.02	143	3.19	35.4	4.5	1.8	21.9	3.77	0.77
04.20.2021	02:09:49	S	3340.34	W	1748.3	2.7	4.02	143	3.19	35.4	4.5	1.8	21.9	3.77	0.74
04.20.2021	02:10:47	S	3340.34	W	1748.05	2.7	4.02	143	3.19	35.4	4.6	1.8	21.7	3.75	0.77
04.20.2021	02:11:47	S	3340.34	W	1747.78	2.7	4.02	143	3.19	35.4	4.5	1.8	21.4	3.71	0.73
04.20.2021	02:12:47	S	3340.35	W	1747.54	2.8	4.02	143	3.19	35.4	5.1	1.8	21.4	3.77	0.74
04.20.2021	02:13:47	S	3340.35	W	1747.32	2.8	4.02	143	3.19	35.4	4.6	1.8	21.5	3.75	0.75
04.20.2021	02:14:47	S	3340.35	W	1747.09	2.8	4.02	143	3.19	35.4	4.5	1.8	21.6	3.72	0.74
04.20.2021	02:15:47	S	3340.35	W	1746.92	2.8	4.02	143	3.19	35.4	4.5	1.8	21.4	3.70	0.75
04.20.2021	02:16:47	S	3340.35	W	1746.92	2.7	4.02	143	3.19	35.4	4.5	1.8	21.5	3.69	0.73
04.20.2021	02:17:47	S	3340.36	W	1746.32	2.8	4.02	143	3.19	35.4	4.5	1.8	21.4	3.79	0.76
04.20.2021	02:18:47	S	3340.37	W	1746.11	2.8	4.02	143	3.19	35.4	4.5	1.7	21.5	3.70	0.75
04.20.2021	02:19:47	S	3340.37	W	1745.87	2.7	4.02	143	3.19	35.4	4.5	1.7	21.7	3.69	0.74
04.20.2021	02:20:43	S	3340.37	W	1745.58	2.7	4.02	143	3.19	35.4	4.5	1.7	21.5	3.68	0.77
04.20.2021	02:21:43	S	3340.38	W	1745.35	2.7	4.02	143	3.19	35.4	4.5	1.7	21.3	3.68	0.81
04.20.2021	02:22:43	S	3340.38	W	1745.12	2.8	4.02	143	3.19	35.4	4.5	1.7	21.4	3.69	0.75
04.20.2021	02:23:43	S	3340.38	W	1744.87	2.8	4.02	143	3.19	35.4	4.5	1.7	21.5	3.76	0.79
04.20.2021	02:24:43	S	3340.38	W	1744.61	2.7	4.02	143	3.19	35.4	4.5	1.7	21.4	3.73	0.75
04.20.2021	02:25:43	S	3340.38	W	1744.39	2.7	4.02	143	3.19	35.4	4.5	1.7	21.5	3.76	0.74
04.20.2021	02:26:43	S	3340.38	W	1744.15	2.7	4.02	143	3.19	35.4	4.5	1.7	21.4	3.73	0.74
04.20.2021	02:27:43	S	3340.38	W	1743.89	2.8	4.02	143	3.19	35.4	4.5	1.7	21.5	3.80	0.73
04.20.2021	02:28:43	S	3340.38	W	1743.65	2.7	4.02	143	3.19	35.4	4.5	1.7	21.5	3.75	0.76
04.20.2021	02:29:43	S	3340.37	W	1743.41	2.8	4.02	143	3.19	35.4	4.5	1.7	21.5	3.74	0.74
04.20.2021	02:30:44	S	3340.37	W	1743.16	2.8	4.02	143	3.19	35.4	4.5	1.7	21.4	3.72	0.75
04.20.2021	02:31:44	S	3340.37	W	1742.93	2.8	4.02	143	3.19	35.4	4.5	1.7	21.4	3.77	0.75

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	02:32:44	S	3340.38	W	1742.66	2.7	4.02	143	3.19	35.4	4.5	1.7	21.5	3.79	0.78	
04.20.2021	02:33:44	S	3340.38	W	1742.45	2.7	4.02	143	3.19	35.4	4.5	1.7	21.7	3.72	0.74	
04.20.2021	02:34:44	S	3340.39	W	1742.18	2.7	4.02	143	3.19	35.4	4.6	1.7	21.3	3.72	0.76	
04.20.2021	02:35:44	S	3340.4	W	1741.95	2.7	4.02	143	3.19	35.4	4.6	1.8	21.4	3.71	0.76	
04.20.2021	02:36:44	S	3340.4	W	1741.67	2.8	4.02	143	3.19	35.4	4.5	1.8	21.8	3.65	0.75	
04.20.2021	02:37:44	S	3340.42	W	1741.46	2.7	4.02	143	3.19	35.4	4.6	1.8	21.7	3.71	0.75	
04.20.2021	02:38:44	S	3340.44	W	1741.22	2.8	4.02	143	3.19	35.4	4.7	1.8	21.7	3.74	0.74	
04.20.2021	02:39:44	S	3340.47	W	1740.97	2.8	4.02	143	3.19	35.4	4.7	1.8	21.5	3.75	0.76	
04.20.2021	02:40:44	S	3340.49	W	1740.72	2.8	4.02	143	3.19	35.4	4.6	1.8	21.8	3.75	0.76	
04.20.2021	02:41:44	S	3340.5	W	1740.46	2.7	4.02	143	3.19	35.4	4.6	1.8	21.9	3.76	0.77	
04.20.2021	02:42:44	S	3340.52	W	1740.25	2.8	4.02	143	3.19	35.4	4.6	1.8	21.7	3.73	0.74	
04.20.2021	02:43:44	S	3340.54	W	1740	2.8	4.02	143	3.19	35.4	4.7	1.8	21.6	3.78	0.74	
04.20.2021	02:44:44	S	3340.55	W	1739.79	2.8	4.02	143	3.19	35.4	4.6	1.8	21.5	3.81	0.78	
04.20.2021	02:45:44	S	3340.57	W	1739.51	2.8	4.02	143	3.19	35.4	4.6	1.8	21.3	3.73	0.73	
04.20.2021	02:46:44	S	3340.58	W	1739.28	2.7	4.02	143	3.19	35.4	4.7	1.8	21.4	3.74	0.76	
04.20.2021	02:47:44	S	3340.6	W	1739.01	2.7	4.02	143	3.19	35.4	4.7	1.8	21.6	3.77	0.74	
04.20.2021	02:48:44	S	3340.62	W	1738.79	2.7	4.02	143	3.19	35.4	4.6	1.8	21.9	3.75	0.73	
04.20.2021	02:49:44	S	3340.64	W	1738.53	2.8	4.02	143	3.19	35.4	4.5	1.8	21.9	3.71	0.76	
04.20.2021	02:50:46	S	3340.65	W	1738.28	2.8	4.02	143	3.19	35.4	4.6	1.8	21.9	3.73	0.74	
04.20.2021	02:51:46	S	3340.67	W	1738.06	2.8	4.02	143	3.19	35.4	4.5	1.8	22.1	3.72	0.76	
04.20.2021	02:52:46	S	3340.69	W	1737.8	2.8	4.02	143	3.19	35.4	4.5	1.8	22.2	3.68	0.76	
04.20.2021	02:53:46	S	3340.71	W	1737.57	2.8	4.02	143	3.19	35.4	4.5	1.7	22.0	3.68	0.74	
04.20.2021	02:54:46	S	3340.73	W	1737.33	2.8	4.02	143	3.19	35.4	4.5	1.7	21.8	3.66	0.74	
04.20.2021	02:55:46	S	3340.75	W	1737.05	2.8	4.02	143	3.19	35.4	4.5	1.7	21.9	3.77	0.76	
04.20.2021	02:56:46	S	3340.76	W	1736.83	2.8	4.02	143	3.19	35.4	4.5	1.6	21.9	3.72	0.76	
04.20.2021	02:57:46	S	3340.79	W	1736.59	2.8	4.02	143	3.19	35.4	4.5	1.6	22.0	3.77	0.75	
04.20.2021	02:58:46	S	3340.81	W	1736.36	2.8	4.02	143	3.19	35.4	4.5	1.6	22.0	3.74	0.75	
04.20.2021	02:59:46	S	3340.84	W	1736.11	2.8	4.02	143	3.19	35.4	4.5	1.6	22.0	3.78	0.79	
04.20.2021	03:00:44	S	3340.87	W	1735.84	2.7	4.02	143	3.19	35.4	4.5	1.6	21.7	3.75	0.72	
04.20.2021	03:01:44	S	3340.89	W	1735.6	2.8	4.02	143	3.19	35.4	4.6	1.6	21.6	3.74	0.75	
04.20.2021	03:02:44	S	3340.9	W	1735.38	2.8	4.02	143	3.19	35.4	4.5	1.5	21.6	3.75	0.77	
04.20.2021	03:03:44	S	3340.92	W	1735.14	2.8	4.02	143	3.19	35.4	4.5	1.6	21.6	3.75	0.74	
04.20.2021	03:04:44	S	3340.94	W	1734.91	2.8	4.02	143	3.19	35.4	4.6	1.6	21.5	3.73	0.77	
04.20.2021	03:05:44	S	3340.97	W	1734.66	2.8	4.02	143	3.19	35.4	4.5	1.6	21.6	3.70	0.74	
04.20.2021	03:06:44	S	3340.99	W	1734.4	2.7	4.02	143	3.19	35.4	4.5	1.6	21.6	3.70	0.75	
04.20.2021	03:07:44	S	3341.01	W	1734.15	2.8	4.02	143	3.19	35.4	4.5	1.6	21.7	3.69	0.75	
04.20.2021	03:08:44	S	3341.02	W	1733.93	2.7	4.02	143	3.19	35.4	4.5	1.6	21.8	3.70	0.76	
04.20.2021	03:09:44	S	3341.03	W	1733.69	2.8	4.02	143	3.19	35.4	4.5	1.6	21.8	3.68	0.73	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0						Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	03:10:43	S	3341.03	W	1733.44	2.8	4.02	143	3.19	35.4	4.5	1.6	21.8	3.65	0.75
04.20.2021	03:11:43	S	3341.04	W	1733.2	2.8	4.02	143	3.19	35.4	4.6	1.6	21.8	3.70	0.75
04.20.2021	03:12:43	S	3341.06	W	1732.93	2.7	4.02	143	3.19	35.4	4.7	1.6	21.5	3.75	0.76
04.20.2021	03:13:43	S	3341.07	W	1732.72	2.8	4.01	143	3.19	35.4	4.6	1.7	21.4	3.77	0.77
04.20.2021	03:14:43	S	3341.09	W	1732.47	2.7	4.01	143	3.19	35.4	4.6	1.7	21.5	3.73	0.76
04.20.2021	03:15:43	S	3341.09	W	1732.22	2.8	4.01	143	3.19	35.4	4.5	1.6	21.6	3.75	0.75
04.20.2021	03:16:43	S	3341.1	W	1732	2.8	4.01	143	3.19	35.4	4.6	1.7	21.7	3.74	0.75
04.20.2021	03:17:43	S	3341.11	W	1731.74	2.8	4.01	143	3.19	35.4	4.6	1.7	21.6	3.78	0.76
04.20.2021	03:18:43	S	3341.12	W	1731.52	2.8	4.01	143	3.19	35.4	4.6	1.7	21.5	3.78	0.74
04.20.2021	03:19:43	S	3341.13	W	1731.25	2.8	4.01	143	3.19	35.4	4.6	1.7	21.3	3.73	0.76
04.20.2021	03:20:49	S	3341.14	W	1731.01	2.8	4.01	143	3.19	35.4	4.5	1.7	21.4	3.76	0.75
04.20.2021	03:21:49	S	3341.15	W	1730.77	2.8	4.01	143	3.19	35.4	4.5	1.7	21.6	3.72	0.77
04.20.2021	03:22:49	S	3341.16	W	1730.5	2.8	4.01	143	3.19	35.4	4.6	1.7	21.7	3.74	0.74
04.20.2021	03:23:49	S	3341.17	W	1730.26	2.8	4.01	143	3.19	35.4	4.6	1.7	21.6	3.71	0.74
04.20.2021	03:24:49	S	3341.17	W	1730.04	2.8	4.01	143	3.19	35.4	4.7	1.7	21.4	3.70	0.77
04.20.2021	03:25:49	S	3341.17	W	1729.77	2.8	4.01	143	3.19	35.4	4.7	1.7	21.5	3.68	0.74
04.20.2021	03:26:49	S	3341.18	W	1729.55	2.7	4.01	143	3.19	35.4	4.8	1.7	21.5	3.69	0.75
04.20.2021	03:27:49	S	3341.19	W	1729.26	2.8	4.01	143	3.19	35.4	4.7	1.7	21.3	3.74	0.76
04.20.2021	03:28:49	S	3341.2	W	1729.03	2.8	4.01	143	3.19	35.4	4.7	1.7	21.4	3.78	0.76
04.20.2021	03:29:49	S	3341.2	W	1728.82	2.8	4.01	143	3.19	35.4	4.7	1.7	21.4	3.74	0.73
04.20.2021	03:30:41	S	3341.21	W	1728.55	2.8	4.01	143	3.19	35.4	4.8	1.8	21.5	3.69	0.73
04.20.2021	03:31:41	S	3341.21	W	1728.3	2.7	4.01	143	3.19	35.4	4.7	1.8	21.5	3.72	0.75
04.20.2021	03:32:41	S	3341.21	W	1728.08	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.73	0.74
04.20.2021	03:33:41	S	3341.22	W	1727.82	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.73	0.73
04.20.2021	03:34:41	S	3341.22	W	1727.54	2.8	4.01	143	3.19	35.4	4.7	1.8	21.5	3.77	0.75
04.20.2021	03:35:41	S	3341.23	W	1727.33	2.8	4.01	143	3.19	35.4	4.7	1.7	21.5	3.79	0.76
04.20.2021	03:36:41	S	3341.23	W	1727.11	2.8	4.01	143	3.19	35.4	4.7	1.8	21.5	3.74	0.72
04.20.2021	03:37:41	S	3341.23	W	1726.85	2.8	4.01	143	3.19	35.4	4.8	1.8	21.6	3.72	0.71
04.20.2021	03:38:41	S	3341.24	W	1726.57	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.72	0.78
04.20.2021	03:39:41	S	3341.24	W	1726.36	2.7	4.01	143	3.19	35.4	4.9	1.8	21.5	3.69	0.73
04.20.2021	03:40:47	S	3341.24	W	1726.1	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.60	0.77
04.20.2021	03:41:47	S	3341.24	W	1725.87	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.67	0.76
04.20.2021	03:42:47	S	3341.24	W	1725.63	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.65	0.60
04.20.2021	03:43:47	S	3341.25	W	1725.39	2.8	4.01	143	3.19	35.4	4.6	1.8	21.7	3.71	0.72
04.20.2021	03:44:47	S	3341.26	W	1725.13	2.7	4.01	143	3.19	35.4	4.6	1.8	21.6	3.76	0.75
04.20.2021	03:45:47	S	3341.26	W	1724.87	2.8	4.01	143	0.00	0.0	0.0	1.8	0.0	3.77	0.74
04.20.2021	03:46:47	S	3341.27	W	1724.62	2.8	4.01	143	3.19	35.4	4.6	1.8	21.5	3.72	0.73
04.20.2021	03:47:47	S	3341.27	W	1724.36	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.76	0.78

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	03:48:47	S	3341.27	W	1724.16	2.7	4.01	143	3.19	35.4	4.6	1.8	21.6	3.77	0.76
04.20.2021	03:49:47	S	3341.28	W	1723.91	2.7	4.01	143	3.19	35.4	4.7	1.8	21.5	3.74	0.75
04.20.2021	03:50:42	S	3341.28	W	1723.65	2.8	4.01	143	3.19	35.4	4.7	1.9	21.8	3.76	0.80
04.20.2021	03:51:42	S	3341.29	W	1723.42	2.8	4.01	143	3.19	35.4	4.6	1.9	21.8	3.75	0.74
04.20.2021	03:52:42	S	3341.29	W	1723.16	2.8	4.01	143	3.19	35.4	4.6	1.9	21.9	3.70	0.73
04.20.2021	03:53:42	S	3341.3	W	1722.92	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.72	0.75
04.20.2021	03:54:42	S	3341.31	W	1722.68	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.71	0.76
04.20.2021	03:55:42	S	3341.31	W	1722.46	2.8	4.01	143	3.19	35.4	4.7	1.8	21.9	3.68	0.73
04.20.2021	03:56:42	S	3341.32	W	1722.2	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.65	0.73
04.20.2021	03:57:42	S	3341.32	W	1721.94	2.8	4.01	143	3.19	35.4	4.7	1.8	21.9	3.65	0.74
04.20.2021	03:58:42	S	3341.33	W	1721.73	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.71	0.74
04.20.2021	03:59:42	S	3341.33	W	1721.47	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.75	0.76
04.20.2021	04:00:45	S	3341.34	W	1721.22	2.8	4.01	143	3.19	35.4	4.5	1.8	22.0	3.76	0.75
04.20.2021	04:01:45	S	3341.34	W	1720.97	2.8	4.01	143	3.19	35.4	4.5	1.8	22.0	3.74	0.75
04.20.2021	04:02:45	S	3341.34	W	1720.76	2.7	4.01	143	3.19	35.4	4.6	1.8	22.0	3.73	0.74
04.20.2021	04:03:45	S	3341.35	W	1720.48	2.8	4.01	143	3.19	35.4	4.5	1.8	21.9	3.74	0.74
04.20.2021	04:04:45	S	3341.36	W	1720.23	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.71	0.72
04.20.2021	04:05:45	S	3341.36	W	1720.01	2.7	4.01	143	3.19	35.4	4.5	1.8	22.1	3.75	0.76
04.20.2021	04:06:45	S	3341.36	W	1719.78	2.8	4.01	143	3.19	35.4	4.5	1.8	21.9	3.75	0.76
04.20.2021	04:07:45	S	3341.37	W	1719.51	2.7	4.01	143	3.19	35.4	4.5	1.7	21.7	3.73	0.74
04.20.2021	04:08:45	S	3341.37	W	1719.28	2.8	4.01	143	3.19	35.4	4.6	1.7	21.6	3.95	0.74
04.20.2021	04:09:45	S	3341.37	W	1719.05	2.8	4.01	143	3.19	35.4	4.5	1.7	21.9	3.74	0.76
04.20.2021	04:10:42	S	3341.38	W	1718.77	2.8	4.01	143	3.19	35.4	4.6	1.7	22.0	3.64	0.73
04.20.2021	04:11:42	S	3341.38	W	1718.55	2.7	4.01	143	3.19	35.4	4.7	1.7	22.0	3.72	0.74
04.20.2021	04:12:42	S	3341.38	W	1718.29	2.7	4.01	143	3.19	35.4	4.7	1.8	22.0	3.66	0.73
04.20.2021	04:13:42	S	3341.38	W	1718.07	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.66	0.75
04.20.2021	04:14:42	S	3341.39	W	1717.84	2.7	4.01	143	3.19	35.4	4.6	1.8	22.0	3.73	0.73
04.20.2021	04:15:42	S	3341.39	W	1717.59	2.8	4.01	143	3.19	35.4	4.7	1.8	22.1	3.73	0.75
04.20.2021	04:16:42	S	3341.39	W	1717.34	2.8	4.01	143	3.19	35.4	4.8	1.8	22.1	3.72	0.74
04.20.2021	04:17:42	S	3341.4	W	1717.07	2.7	4.01	143	3.19	35.4	4.7	1.8	22.3	3.75	0.73
04.20.2021	04:18:42	S	3341.41	W	1716.84	2.8	4.01	143	3.19	35.4	4.7	1.9	22.0	3.75	0.76
04.20.2021	04:19:42	S	3341.41	W	1716.58	2.8	4.01	143	3.19	35.4	4.7	1.9	21.8	3.72	0.71
04.20.2021	04:20:42	S	3341.41	W	1716.34	2.8	4.01	143	3.19	35.4	4.6	1.9	21.8	3.75	0.76
04.20.2021	04:21:42	S	3341.42	W	1716.1	2.7	4.01	143	3.19	35.4	4.7	1.9	21.8	3.75	0.77
04.20.2021	04:22:42	S	3341.42	W	1715.86	2.8	4.01	143	3.19	35.4	4.6	1.9	21.8	3.74	0.75
04.20.2021	04:23:42	S	3341.42	W	1715.62	2.8	4.01	143	3.19	35.4	4.6	1.9	21.7	3.77	0.77
04.20.2021	04:24:42	S	3341.43	W	1715.37	2.8	4.01	143	3.19	35.4	4.6	1.9	21.7	3.74	0.73
04.20.2021	04:25:42	S	3341.43	W	1715.12	2.7	4.01	143	3.19	35.4	4.6	1.9	21.8	3.74	0.78

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	04:26:42	S	3341.44	W	1714.88	2.8	4.01	143	3.19	35.4	4.6	1.9	22.1	3.71	0.78
04.20.2021	04:27:42	S	3341.44	W	1714.6	2.8	4.01	143	3.19	35.4	4.6	1.9	22.1	3.64	0.75
04.20.2021	04:28:42	S	3341.45	W	1714.39	2.7	4.01	143	3.19	35.4	4.7	1.9	21.9	3.71	0.76
04.20.2021	04:29:42	S	3341.46	W	1714.13	2.8	4.01	143	3.19	35.4	5.0	1.9	22.1	3.67	0.77
04.20.2021	04:30:46	S	3341.47	W	1713.9	2.7	4.01	143	3.19	35.4	4.7	1.9	22.0	3.69	0.74
04.20.2021	04:31:46	S	3341.49	W	1713.64	2.8	4.01	143	3.19	35.4	4.6	1.9	21.9	3.76	0.76
04.20.2021	04:32:46	S	3341.5	W	1713.41	2.8	4.01	143	3.19	35.4	4.5	1.9	22.1	3.77	0.76
04.20.2021	04:33:46	S	3341.51	W	1713.12	2.8	4.01	143	3.19	35.4	4.5	1.9	22.2	3.73	0.76
04.20.2021	04:34:46	S	3341.53	W	1712.93	2.7	4.01	143	3.19	35.4	4.6	1.9	22.1	3.75	0.76
04.20.2021	04:35:46	S	3341.55	W	1712.66	2.7	4.01	143	3.19	35.4	4.6	1.9	21.9	3.80	0.76
04.20.2021	04:36:46	S	3341.57	W	1712.43	2.8	4.01	143	3.19	35.4	4.7	1.9	21.8	3.75	0.77
04.20.2021	04:37:46	S	3341.59	W	1712.14	2.8	4.01	143	3.19	35.4	4.6	1.9	22.1	3.75	0.75
04.20.2021	04:38:46	S	3341.61	W	1711.92	2.8	4.01	143	3.19	35.4	4.5	1.9	22.2	3.73	0.76
04.20.2021	04:39:46	S	3341.62	W	1711.68	2.7	4.01	143	3.19	35.4	4.6	1.9	22.1	3.73	0.74
04.20.2021	04:40:50	S	3341.64	W	1711.44	2.8	4.01	143	3.19	35.4	4.5	1.8	22.0	3.71	0.76
04.20.2021	04:41:50	S	3341.65	W	1711.2	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.80	0.78
04.20.2021	04:42:50	S	3341.68	W	1710.93	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.71	0.76
04.20.2021	04:43:50	S	3341.69	W	1710.69	2.7	4.01	143	3.19	35.4	4.6	1.8	21.8	3.65	0.73
04.20.2021	04:44:50	S	3341.71	W	1710.43	2.8	4.01	143	3.19	35.4	4.6	1.8	22.1	3.68	0.75
04.20.2021	04:45:50	S	3341.73	W	1710.19	2.8	4.01	143	3.19	35.4	4.6	1.8	22.2	3.75	0.83
04.20.2021	04:46:50	S	3341.75	W	1709.97	2.8	4.01	143	3.19	35.4	4.6	1.8	22.2	3.76	0.73
04.20.2021	04:47:50	S	3341.77	W	1709.72	2.8	4.01	143	3.19	35.4	4.7	1.8	22.0	3.72	0.75
04.20.2021	04:48:50	S	3341.79	W	1709.48	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.77	0.77
04.20.2021	04:49:50	S	3341.81	W	1709.24	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.78	0.78
04.20.2021	04:50:43	S	3341.83	W	1708.99	2.7	4.01	143	3.19	35.4	4.6	1.8	21.9	3.77	0.77
04.20.2021	04:51:43	S	3341.85	W	1708.74	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.77	0.77
04.20.2021	04:52:43	S	3341.86	W	1708.49	2.8	4.01	143	3.19	35.4	4.5	1.8	21.8	3.71	0.75
04.20.2021	04:53:43	S	3341.88	W	1708.25	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.77	0.76
04.20.2021	04:54:43	S	3341.9	W	1708.02	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.71	0.73
04.20.2021	04:55:43	S	3341.92	W	1707.75	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.76	0.76
04.20.2021	04:56:43	S	3341.94	W	1707.52	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.73	0.76
04.20.2021	04:57:43	S	3341.96	W	1707.27	2.8	4.01	143	3.19	35.4	4.6	1.8	22.2	3.70	0.76
04.20.2021	04:58:43	S	3341.98	W	1707.01	2.8	4.01	143	3.19	35.4	4.6	1.8	22.2	3.70	0.74
04.20.2021	04:59:43	S	3342	W	1706.76	2.8	4.01	143	3.19	35.4	4.5	1.8	22.1	3.70	0.75
04.20.2021	05:00:49	S	3342.02	W	1706.52	2.8	4.01	143	3.19	35.4	4.5	1.7	21.9	3.67	0.73
04.20.2021	05:01:49	S	3342.04	W	1706.25	2.7	4.01	143	3.19	35.4	4.5	1.7	21.7	3.68	0.76
04.20.2021	05:02:49	S	3342.05	W	1706.03	2.8	4.01	143	3.19	35.4	4.6	1.7	21.8	3.75	0.76
04.20.2021	05:03:49	S	3342.07	W	1705.76	2.8	4.01	143	3.19	35.4	4.7	1.7	21.8	3.76	0.76

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	05:04:49	S	3342.08	W	1705.54	2.7	4.01	143	3.19	35.4	4.7	1.6	21.9	3.76	0.73	
04.20.2021	05:05:49	S	3342.09	W	1705.28	2.8	4.01	143	3.19	35.4	4.7	1.7	22.0	3.75	0.75	
04.20.2021	05:06:49	S	3342.09	W	1705.24	2.8	4.01	143	3.19	35.4	4.6	1.6	21.8	3.75	0.74	
04.20.2021	05:07:49	S	3342.11	W	1704.8	2.8	4.01	143	3.19	35.4	4.7	1.6	21.9	3.70	0.75	
04.20.2021	05:08:49	S	3342.13	W	1704.55	2.8	4.01	143	3.19	35.4	4.7	1.6	21.9	3.76	0.76	
04.20.2021	05:09:49	S	3342.15	W	1704.29	2.8	4.01	143	3.19	35.4	4.7	1.6	21.9	3.77	0.73	
04.20.2021	05:10:44	S	3342.16	W	1704.05	2.8	4.01	143	3.19	35.4	4.7	1.7	21.7	3.79	0.74	
04.20.2021	05:11:44	S	3342.17	W	1703.8	2.8	4.01	143	3.19	35.4	4.7	1.7	21.8	3.74	0.73	
04.20.2021	05:12:44	S	3342.19	W	1703.55	2.8	4.01	143	3.19	35.4	4.7	1.7	21.7	3.68	0.73	
04.20.2021	05:13:44	S	3342.2	W	1703.29	2.8	4.01	143	3.19	35.4	4.7	1.7	21.6	3.73	0.76	
04.20.2021	05:14:44	S	3342.22	W	1703.03	2.8	4.01	143	3.19	35.4	4.7	1.7	21.6	3.75	0.79	
04.20.2021	05:15:44	S	3342.23	W	1702.81	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.69	0.76	
04.20.2021	05:16:44	S	3342.23	W	1702.54	2.8	4.01	143	3.19	35.4	4.6	1.8	21.5	3.68	0.74	
04.20.2021	05:17:44	S	3342.24	W	1702.29	2.8	4.01	143	3.19	35.4	4.6	1.8	21.7	3.72	0.76	
04.20.2021	05:18:44	S	3342.24	W	1702.02	2.8	4.01	143	3.19	35.4	4.7	1.8	21.7	3.74	0.75	
04.20.2021	05:19:44	S	3342.25	W	1701.8	2.8	4.01	143	3.19	35.4	4.6	1.8	21.7	3.78	0.74	
04.20.2021	05:20:43	S	3342.26	W	1701.55	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.72	0.74	
04.20.2021	05:21:43	S	3342.26	W	1701.3	2.8	4.01	143	3.19	35.4	4.6	1.9	21.8	3.74	0.74	
04.20.2021	05:22:43	S	3342.27	W	1701.06	2.7	4.01	143	3.19	35.4	4.6	1.9	21.8	3.74	0.75	
04.20.2021	05:23:43	S	3342.27	W	1700.79	2.8	4.01	143	3.19	35.4	4.6	1.9	21.8	3.74	0.76	
04.20.2021	05:24:43	S	3342.28	W	1700.55	2.7	4.01	143	3.19	35.4	4.6	1.9	21.9	3.74	0.77	
04.20.2021	05:25:43	S	3342.28	W	1700.3	2.8	4.01	143	3.19	35.4	4.6	1.9	22.2	3.71	0.71	
04.20.2021	05:26:43	S	3342.29	W	1700.04	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.77	0.75	
04.20.2021	05:27:43	S	3342.29	W	1659.81	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.73	0.76	
04.20.2021	05:28:43	S	3342.3	W	1659.56	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.75	0.78	
04.20.2021	05:29:43	S	3342.3	W	1659.3	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.73	0.75	
04.20.2021	05:30:43	S	3342.31	W	1659.06	2.8	4.01	143	3.19	35.4	4.7	1.8	21.8	3.71	0.77	
04.20.2021	05:31:43	S	3342.31	W	1658.78	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.67	0.76	
04.20.2021	05:32:43	S	3342.32	W	1658.55	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.64	0.75	
04.20.2021	05:33:43	S	3342.32	W	1658.29	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.71	0.79	
04.20.2021	05:34:43	S	3342.33	W	1658.02	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.74	0.75	
04.20.2021	05:35:43	S	3342.33	W	1657.81	2.8	4.01	143	3.19	35.4	4.7	1.8	21.9	3.75	0.76	
04.20.2021	05:36:43	S	3342.33	W	1657.53	2.8	4.01	143	3.19	35.4	4.7	1.8	21.9	3.75	0.77	
04.20.2021	05:37:43	S	3342.34	W	1657.26	2.8	4.01	143	3.19	35.4	4.7	1.8	21.9	3.71	0.75	
04.20.2021	05:38:43	S	3342.34	W	1657.05	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.76	0.75	
04.20.2021	05:39:43	S	3342.34	W	1656.77	2.8	4.01	143	3.19	35.4	4.7	1.8	21.8	3.76	0.74	
04.20.2021	05:40:46	S	3342.34	W	1656.56	2.8	4.01	143	3.19	35.4	4.7	1.8	21.7	3.74	0.77	
04.20.2021	05:41:46	S	3342.35	W	1656.28	2.8	4.01	143	3.19	35.4	4.7	1.8	21.7	3.75	0.74	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	05:42:46	S	3342.35	W	1656.01	2.8	4.01	143	3.19	35.4	4.7	1.8	22.0	3.73	0.76	
04.20.2021	05:43:46	S	3342.35	W	1655.8	2.8	4.01	143	3.19	35.4	5.2	1.8	21.7	3.71	0.73	
04.20.2021	05:44:46	S	3342.35	W	1655.53	2.8	4.01	143	3.19	35.4	4.9	1.8	21.8	3.75	0.77	
04.20.2021	05:45:46	S	3342.35	W	1655.3	2.8	4.01	143	3.19	35.4	4.8	1.8	21.9	3.72	0.75	
04.20.2021	05:46:46	S	3342.36	W	1655.03	2.8	4.01	143	3.19	35.4	4.8	1.8	21.8	3.69	0.77	
04.20.2021	05:47:46	S	3342.36	W	1654.75	2.8	4.01	143	3.19	35.4	4.8	1.8	21.7	3.70	0.76	
04.20.2021	05:48:46	S	3342.37	W	1654.51	2.8	4.01	143	3.19	35.4	4.7	1.8	22.0	3.67	0.77	
04.20.2021	05:49:46	S	3342.37	W	1654.29	2.8	4.01	143	3.19	35.4	4.7	1.8	21.9	3.65	0.74	
04.20.2021	05:50:47	S	3342.38	W	1654.03	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.78	0.75	
04.20.2021	05:51:47	S	3342.38	W	1653.77	2.8	4.01	143	3.19	35.4	4.9	1.8	21.8	3.78	0.77	
04.20.2021	05:52:47	S	3342.39	W	1653.51	2.8	4.01	143	3.19	35.4	4.8	1.9	21.8	3.74	0.73	
04.20.2021	05:53:47	S	3342.39	W	1653.26	2.8	4.01	143	3.19	35.4	4.8	1.9	21.8	3.77	0.74	
04.20.2021	05:54:47	S	3342.4	W	1653.02	2.8	4.01	143	3.19	35.4	4.8	1.9	21.7	3.73	0.74	
04.20.2021	05:55:47	S	3342.4	W	1652.78	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.77	0.76	
04.20.2021	05:56:47	S	3342.41	W	1652.53	2.8	4.01	143	3.19	35.4	4.8	1.9	21.6	3.73	0.73	
04.20.2021	05:57:47	S	3342.41	W	1652.29	2.7	4.01	143	3.19	35.4	4.9	2.0	21.6	3.79	0.73	
04.20.2021	05:58:47	S	3342.42	W	1652.02	2.8	4.01	143	3.19	35.4	4.8	2.0	21.7	3.76	0.74	
04.20.2021	05:59:47	S	3342.42	W	1651.75	2.8	4.01	143	3.19	35.4	4.8	2.0	21.6	3.76	0.76	
04.20.2021	06:00:49	S	3342.42	W	1651.51	2.8	4.01	143	3.19	35.4	4.8	2.0	21.6	3.66	0.76	
04.20.2021	06:01:49	S	3342.43	W	1651.29	2.8	4.01	143	3.19	35.4	4.8	2.0	21.6	3.75	0.75	
04.20.2021	06:02:49	S	3342.44	W	1651.23	2.8	4.01	143	3.19	35.4	4.8	2.0	21.7	3.71	0.73	
04.20.2021	06:03:49	S	3342.46	W	1650.78	2.8	4.01	143	3.19	35.4	4.8	2.0	21.6	3.69	0.75	
04.20.2021	06:04:49	S	3342.48	W	1650.49	2.8	4.01	143	3.19	35.4	4.7	2.0	21.6	3.72	0.77	
04.20.2021	06:05:49	S	3342.48	W	1650.26	2.8	4.01	143	3.19	35.4	4.7	2.0	21.8	3.67	0.73	
04.20.2021	06:06:49	S	3342.49	W	1650.01	2.8	4.01	143	3.19	35.4	4.6	2.0	21.7	3.71	0.74	
04.20.2021	06:07:49	S	3342.5	W	1649.77	2.8	4.01	143	3.19	35.4	4.6	2.0	21.5	3.74	0.76	
04.20.2021	06:08:49	S	3342.51	W	1649.53	2.8	4.01	143	3.19	35.4	4.6	2.0	21.5	3.71	0.74	
04.20.2021	06:09:49	S	3342.52	W	1649.3	2.8	4.01	143	3.19	35.4	4.6	2.0	21.4	3.74	0.74	
04.20.2021	06:10:42	S	3342.54	W	1649.04	2.8	4.01	143	3.19	35.4	4.6	1.9	21.5	3.74	0.73	
04.20.2021	06:11:42	S	3342.55	W	1648.8	2.8	4.01	143	3.19	35.4	4.6	1.9	21.6	3.78	0.77	
04.20.2021	06:12:42	S	3342.56	W	1648.55	2.8	4.01	143	3.19	35.4	4.6	1.9	21.7	3.77	0.76	
04.20.2021	06:13:42	S	3342.57	W	1648.29	2.8	4.01	143	3.19	35.4	4.7	1.9	21.8	3.75	0.74	
04.20.2021	06:14:42	S	3342.59	W	1648.03	2.8	4.01	143	3.19	35.4	4.6	1.9	21.5	3.75	0.75	
04.20.2021	06:15:42	S	3342.6	W	1647.79	2.8	4.01	143	3.19	35.4	4.6	1.9	21.5	3.72	0.76	
04.20.2021	06:16:42	S	3342.61	W	1647.55	2.7	4.01	143	3.19	35.4	4.6	1.9	21.6	3.71	0.76	
04.20.2021	06:17:42	S	3342.62	W	1647.31	2.8	4.01	143	3.19	35.4	4.7	1.9	21.4	3.72	0.72	
04.20.2021	06:18:42	S	3342.63	W	1647.05	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.73	0.77	
04.20.2021	06:19:42	S	3342.64	W	1646.8	2.8	4.01	143	3.19	35.4	4.6	1.8	21.5	3.66	0.72	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	06:20:44	S	3342.65	W	1646.57	2.8	4.01	143	3.19	35.4	4.7	1.8	21.4	3.70	0.74	
04.20.2021	06:21:44	S	3342.67	W	1646.32	2.8	4.01	143	3.19	35.4	4.7	1.8	21.4	3.72	0.77	
04.20.2021	06:22:44	S	3342.68	W	1646.09	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.77	0.75	
04.20.2021	06:23:44	S	3342.7	W	1645.8	2.7	4.01	143	0.00	0.0	0.0	1.8	0.0	3.74	0.76	
04.20.2021	06:24:44	S	3342.71	W	1645.59	2.7	4.01	143	3.19	35.4	4.7	1.8	21.6	3.79	0.76	
04.20.2021	06:25:44	S	3342.72	W	1645.31	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.75	0.77	
04.20.2021	06:26:44	S	3342.73	W	1645.09	2.8	4.01	143	3.19	35.4	4.6	1.8	21.7	3.80	0.75	
04.20.2021	06:27:44	S	3342.74	W	1644.84	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.77	0.75	
04.20.2021	06:28:44	S	3342.76	W	1644.57	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.78	0.77	
04.20.2021	06:29:44	S	3342.77	W	1644.32	2.8	4.01	143	3.19	35.4	4.6	1.8	21.6	3.72	0.76	
04.20.2021	06:30:48	S	3342.78	W	1644.11	2.8	4.01	143	3.19	35.4	4.6	1.8	21.4	3.79	0.76	
04.20.2021	06:31:48	S	3342.8	W	1643.85	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.71	0.73	
04.20.2021	06:32:48	S	3342.81	W	1643.57	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.76	0.73	
04.20.2021	06:33:48	S	3342.82	W	1643.34	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.76	0.75	
04.20.2021	06:34:48	S	3342.83	W	1643.11	2.8	4.01	143	3.19	35.4	4.6	1.9	21.5	3.72	0.75	
04.20.2021	06:35:48	S	3342.85	W	1642.86	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.64	0.75	
04.20.2021	06:36:48	S	3342.86	W	1642.61	2.8	4.01	143	3.19	35.4	4.6	1.9	21.8	3.66	0.73	
04.20.2021	06:37:48	S	3342.87	W	1642.35	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.65	0.75	
04.20.2021	06:38:48	S	3342.88	W	1642.12	2.8	4.01	143	3.19	35.4	4.6	1.9	21.5	3.71	0.73	
04.20.2021	06:39:48	S	3342.89	W	1641.88	2.8	4.01	143	3.19	35.4	4.6	1.9	21.6	3.71	0.74	
04.20.2021	06:40:42	S	3342.9	W	1641.65	2.8	4.01	143	3.19	35.4	4.7	1.9	21.4	3.71	0.74	
04.20.2021	06:41:42	S	3342.92	W	1641.38	2.8	4.01	143	3.19	35.4	4.7	1.9	21.3	3.77	0.76	
04.20.2021	06:42:42	S	3342.93	W	1641.11	2.8	4.01	143	3.19	35.4	4.7	1.9	21.2	3.76	0.74	
04.20.2021	06:43:42	S	3342.94	W	1640.92	2.8	4.01	143	3.19	35.4	4.7	1.9	21.3	3.73	0.74	
04.20.2021	06:44:42	S	3342.95	W	1640.64	2.8	4.01	143	3.19	35.4	4.6	1.9	21.3	3.77	0.78	
04.20.2021	06:45:42	S	3342.96	W	1640.4	2.8	4.01	143	3.19	35.4	4.7	1.9	21.4	3.72	0.75	
04.20.2021	06:46:42	S	3342.98	W	1640.12	2.8	4.01	143	3.19	35.4	4.7	1.9	21.3	3.75	0.74	
04.20.2021	06:47:42	S	3342.99	W	1639.86	2.8	4.01	143	3.19	35.4	4.7	1.9	21.4	3.73	0.76	
04.20.2021	06:48:42	S	3343	W	1639.63	2.8	4.01	143	3.19	35.4	4.7	1.9	21.4	3.72	0.78	
04.20.2021	06:49:42	S	3343.01	W	1639.38	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.76	0.77	
04.20.2021	06:50:50	S	3343.02	W	1639.13	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.68	0.73	
04.20.2021	06:51:50	S	3343.04	W	1638.9	2.7	4.01	143	3.19	35.4	4.8	1.8	21.8	3.68	0.73	
04.20.2021	06:52:50	S	3343.04	W	1638.66	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.72	0.77	
04.20.2021	06:53:50	S	3343.06	W	1638.4	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.67	0.75	
04.20.2021	06:54:50	S	3343.06	W	1638.4	2.8	4.01	143	3.19	35.4	4.8	1.8	21.4	3.74	0.76	
04.20.2021	06:55:50	S	3343.08	W	1637.91	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.79	0.78	
04.20.2021	06:56:50	S	3343.09	W	1637.65	2.8	4.01	143	3.19	35.4	4.7	1.9	21.7	3.79	0.78	
04.20.2021	06:57:50	S	3343.1	W	1637.41	2.8	4.01	143	3.19	35.4	4.7	1.9	21.7	3.77	0.74	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	06:58:50	S	3343.11	W	1637.18	2.8	4.01	143	3.19	35.4	4.7	1.9	22.0	3.73	0.72	
04.20.2021	06:59:50	S	3343.12	W	1636.93	2.8	4.01	143	3.19	35.4	4.6	1.9	22.2	3.75	0.76	
04.20.2021	07:00:47	S	3343.13	W	1636.67	2.8	4.01	143	3.19	35.4	4.6	1.9	22.2	3.79	0.79	
04.20.2021	07:01:47	S	3343.15	W	1636.41	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.74	0.76	
04.20.2021	07:02:47	S	3343.16	W	1636.2	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.72	0.74	
04.20.2021	07:03:47	S	3343.17	W	1635.94	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.75	0.76	
04.20.2021	07:04:47	S	3343.18	W	1635.69	2.7	4.01	143	3.19	35.4	4.6	1.8	21.9	3.72	0.73	
04.20.2021	07:05:47	S	3343.18	W	1635.65	2.8	4.01	143	3.19	35.4	4.8	1.8	21.7	3.68	0.71	
04.20.2021	07:06:47	S	3343.2	W	1635.2	2.8	4.01	143	3.19	35.4	4.7	1.9	22.1	3.69	0.74	
04.20.2021	07:07:47	S	3343.21	W	1634.95	2.8	4.01	143	3.19	35.4	4.7	1.9	22.3	3.67	0.73	
04.20.2021	07:08:47	S	3343.22	W	1634.69	2.8	4.01	143	3.19	35.4	4.6	1.9	22.2	3.68	0.76	
04.20.2021	07:09:47	S	3343.23	W	1634.47	2.8	4.01	143	3.19	35.4	4.7	1.9	22.3	3.64	0.75	
04.20.2021	07:10:50	S	3343.25	W	1634.2	2.8	4.01	143	3.19	35.4	4.6	1.9	22.1	3.78	0.75	
04.20.2021	07:11:50	S	3343.26	W	1633.98	2.8	4.01	143	3.19	35.4	4.6	1.9	22.0	3.68	0.75	
04.20.2021	07:12:50	S	3343.27	W	1633.77	2.8	4.01	143	3.19	35.4	4.7	1.9	21.9	3.74	0.74	
04.20.2021	07:13:50	S	3343.28	W	1633.48	2.8	4.01	143	3.19	35.4	4.6	1.9	21.9	3.76	0.77	
04.20.2021	07:14:50	S	3343.29	W	1633.24	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.76	0.73	
04.20.2021	07:15:50	S	3343.3	W	1633.01	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.77	0.76	
04.20.2021	07:16:50	S	3343.32	W	1632.74	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.76	0.74	
04.20.2021	07:17:50	S	3343.33	W	1632.5	2.7	4.01	143	3.19	35.4	4.6	1.8	21.6	3.76	0.75	
04.20.2021	07:18:50	S	3343.34	W	1632.27	2.8	4.01	143	3.19	35.4	4.5	1.8	21.6	3.70	0.75	
04.20.2021	07:19:50	S	3343.36	W	1632.02	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.76	0.75	
04.20.2021	07:20:43	S	3343.37	W	1631.78	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.71	0.75	
04.20.2021	07:21:43	S	3343.38	W	1631.54	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.70	0.77	
04.20.2021	07:22:43	S	3343.4	W	1631.29	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.70	0.76	
04.20.2021	07:23:43	S	3343.41	W	1631.08	2.8	4.01	143	3.19	35.4	4.7	1.8	21.8	3.69	0.76	
04.20.2021	07:24:43	S	3343.42	W	1630.81	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.66	0.73	
04.20.2021	07:25:43	S	3343.43	W	1630.59	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.67	0.75	
04.20.2021	07:26:43	S	3343.45	W	1630.32	2.7	4.01	143	3.19	35.4	4.6	1.8	21.9	3.76	0.75	
04.20.2021	07:27:43	S	3343.46	W	1630.08	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.70	0.75	
04.20.2021	07:28:43	S	3343.48	W	1629.84	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.79	0.76	
04.20.2021	07:29:43	S	3343.49	W	1629.63	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.78	0.75	
04.20.2021	07:30:48	S	3343.51	W	1629.35	2.8	4.01	143	3.19	35.4	4.7	1.8	21.5	3.78	0.76	
04.20.2021	07:31:48	S	3343.52	W	1629.13	2.8	4.01	143	3.19	35.4	4.8	1.8	21.6	3.70	0.74	
04.20.2021	07:32:48	S	3343.53	W	1628.85	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.75	0.76	
04.20.2021	07:33:48	S	3343.55	W	1628.63	2.8	4.01	143	3.19	35.4	4.8	1.9	21.5	3.78	0.72	
04.20.2021	07:34:48	S	3343.56	W	1628.38	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.77	0.77	
04.20.2021	07:35:48	S	3343.58	W	1628.12	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.72	0.72	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	07:36:48	S	3343.59	W	1627.87	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.75	0.77
04.20.2021	07:37:48	S	3343.6	W	1627.66	2.8	4.01	143	3.19	35.4	4.8	1.9	21.5	3.71	0.55
04.20.2021	07:38:48	S	3343.62	W	1627.37	2.8	4.01	143	3.19	35.4	4.8	1.9	21.6	3.72	0.78
04.20.2021	07:39:48	S	3343.63	W	1627.17	2.8	4.01	143	3.19	35.4	4.8	1.9	21.4	3.70	0.74
04.20.2021	07:40:43	S	3343.64	W	1626.9	2.8	4.01	143	3.19	35.4	4.8	1.9	21.3	3.70	0.76
04.20.2021	07:41:43	S	3343.65	W	1626.65	2.8	4.01	143	3.19	35.4	4.7	1.9	21.5	3.70	0.75
04.20.2021	07:42:43	S	3343.67	W	1626.42	2.8	4.01	143	3.19	35.4	4.8	1.9	21.4	3.80	0.76
04.20.2021	07:43:43	S	3343.68	W	1626.18	2.8	4.01	143	3.19	35.4	4.8	2.0	21.5	3.73	0.72
04.20.2021	07:44:43	S	3343.7	W	1625.91	2.8	4.01	143	3.19	35.4	4.8	2.0	21.5	3.76	0.75
04.20.2021	07:45:43	S	3343.71	W	1625.68	2.8	4.01	143	3.19	35.4	4.8	2.0	21.4	3.75	0.76
04.20.2021	07:46:43	S	3343.73	W	1625.42	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.79	0.75
04.20.2021	07:47:43	S	3343.74	W	1625.19	2.8	4.01	143	3.19	35.4	4.8	1.9	21.5	3.73	0.75
04.20.2021	07:48:43	S	3343.75	W	1624.93	2.8	4.01	143	3.19	35.4	4.7	1.9	21.4	3.75	0.75
04.20.2021	07:49:43	S	3343.77	W	1624.71	2.8	4.01	143	3.19	35.4	4.7	1.9	21.6	3.72	0.71
04.20.2021	07:50:43	S	3343.78	W	1624.44	2.8	4.01	143	3.19	35.4	4.7	1.9	21.8	3.73	0.75
04.20.2021	07:51:43	S	3343.8	W	1624.19	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.71	0.76
04.20.2021	07:52:43	S	3343.8	W	1624.04	2.8	4.01	143	3.19	35.4	4.7	1.8	22.1	3.74	0.76
04.20.2021	07:53:43	S	3343.8	W	1624.04	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.75	0.78
04.20.2021	07:54:43	S	3343.84	W	1623.49	2.8	4.01	143	3.19	35.4	4.7	1.8	21.8	3.73	0.75
04.20.2021	07:55:43	S	3343.85	W	1623.23	2.8	4.01	143	3.19	35.4	4.7	1.8	21.6	3.67	0.75
04.20.2021	07:56:43	S	3343.87	W	1622.98	2.8	4.01	143	3.19	35.4	4.6	1.8	21.7	3.66	0.75
04.20.2021	07:57:43	S	3343.87	W	1622.75	2.8	4.01	143	3.19	35.4	4.6	1.8	21.7	3.62	0.75
04.20.2021	07:58:43	S	3343.89	W	1622.47	2.7	4.01	143	3.19	35.4	4.6	1.8	21.8	3.72	0.76
04.20.2021	07:59:43	S	3343.9	W	1622.26	2.7	4.01	143	3.19	35.4	4.7	1.8	21.8	3.77	0.74
04.20.2021	08:00:43	S	3343.91	W	1621.99	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.72	0.71
04.20.2021	08:01:43	S	3343.93	W	1621.74	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.74	0.72
04.20.2021	08:02:43	S	3343.93	W	1621.52	2.8	4.01	143	0.00	0.0	0.0	1.8	0.0	3.76	0.76
04.20.2021	08:03:43	S	3343.94	W	1621.26	2.8	4.01	143	3.19	35.4	4.6	1.8	21.8	3.77	0.76
04.20.2021	08:04:43	S	3343.94	W	1621	2.7	4.01	143	3.19	35.4	4.5	1.8	21.8	3.78	0.73
04.20.2021	08:05:43	S	3343.95	W	1620.78	2.8	4.01	143	3.19	35.4	4.6	1.8	21.9	3.77	0.76
04.20.2021	08:06:43	S	3343.96	W	1620.55	2.8	4.01	143	3.19	35.4	4.7	1.8	21.9	3.71	0.75
04.20.2021	08:07:43	S	3343.98	W	1620.3	2.8	4.01	143	3.19	35.4	4.7	1.7	21.8	3.71	0.77
04.20.2021	08:08:43	S	3343.98	W	1620.04	2.8	4.01	143	3.19	35.4	4.7	1.7	21.9	3.71	0.73
04.20.2021	08:09:43	S	3343.99	W	1619.81	2.8	4.01	143	3.19	35.4	4.6	1.7	22.2	3.68	0.74
04.20.2021	08:10:45	S	3344	W	1619.55	2.8	4.01	143	3.19	35.4	4.6	1.7	22.3	3.75	0.76
04.20.2021	08:11:45	S	3344	W	1619.32	2.8	4.01	143	3.19	35.4	4.7	1.7	22.2	3.70	0.75
04.20.2021	08:12:45	S	3344.01	W	1619.09	2.8	4.01	143	3.19	35.4	4.7	1.7	22.1	3.71	0.76
04.20.2021	08:13:45	S	3344.02	W	1618.83	2.8	4.01	143	3.19	35.4	4.6	1.7	21.9	3.67	0.76

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	08:14:45	S	3344.02	W	1618.58	2.8	4.01	143	3.19	35.4	4.7	1.7	22.0	3.79	0.77
04.20.2021	08:15:45	S	3344.03	W	1618.33	2.8	4.01	143	3.19	35.4	4.6	1.7	22.2	3.73	0.73
04.20.2021	08:16:45	S	3344.03	W	1618.08	2.8	4.01	143	3.19	35.4	4.6	1.7	22.2	3.76	0.79
04.20.2021	08:17:45	S	3344.04	W	1617.84	2.8	4.01	143	3.19	35.4	4.7	1.7	22.2	3.76	0.73
04.20.2021	08:18:45	S	3344.05	W	1617.58	2.8	4.01	143	3.19	35.4	4.6	1.7	22.1	3.76	0.74
04.20.2021	08:19:45	S	3344.06	W	1617.35	2.8	4.01	143	3.19	35.4	4.7	1.8	22.1	3.77	0.77
04.20.2021	08:20:50	S	3344.07	W	1617.1	2.8	4.01	143	3.19	35.4	4.7	1.8	22.1	3.74	0.77
04.20.2021	08:21:50	S	3344.08	W	1616.86	2.8	4.01	143	3.19	35.4	4.6	1.8	22.0	3.76	0.75
04.20.2021	08:22:50	S	3344.08	W	1616.62	2.8	4.01	143	3.19	35.4	4.6	1.9	22.1	3.72	0.73
04.20.2021	08:23:50	S	3344.09	W	1616.36	2.8	4.01	143	3.19	35.4	4.6	1.9	22.1	3.77	0.71
04.20.2021	08:24:50	S	3344.09	W	1616.14	2.8	4.01	143	3.19	35.4	4.7	1.9	22.2	3.68	0.75
04.20.2021	08:25:50	S	3344.1	W	1615.86	2.8	4.01	143	3.19	35.4	4.7	1.9	22.2	3.67	0.73
04.20.2021	08:26:50	S	3344.1	W	1615.66	2.8	4.01	143	3.19	35.4	4.6	1.9	21.9	3.72	0.75
04.20.2021	08:27:50	S	3344.11	W	1615.42	2.7	4.01	143	3.19	35.4	4.7	1.9	21.8	3.68	0.74
04.20.2021	08:28:50	S	3344.12	W	1615.17	2.8	4.01	143	3.19	35.4	4.7	1.9	21.8	3.64	0.73
04.20.2021	08:29:50	S	3344.12	W	1614.93	2.7	4.00	142	3.19	35.4	4.7	1.9	21.7	3.72	0.76
04.20.2021	08:30:44	S	3344.13	W	1614.69	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.74	0.77
04.20.2021	08:31:44	S	3344.13	W	1614.44	2.8	3.98	141	3.19	35.4	4.6	1.9	21.8	3.77	0.73
04.20.2021	08:32:44	S	3344.14	W	1614.2	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.73	0.73
04.20.2021	08:33:44	S	3344.15	W	1613.93	2.8	3.98	141	3.19	35.4	4.8	1.9	22.0	3.76	0.77
04.20.2021	08:34:44	S	3344.15	W	1613.72	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.73	0.75
04.20.2021	08:35:44	S	3344.16	W	1613.56	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.74	0.73
04.20.2021	08:36:44	S	3344.16	W	1613.56	2.8	3.98	141	3.19	35.4	4.7	1.8	22.1	3.74	0.76
04.20.2021	08:37:44	S	3344.17	W	1612.98	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.74	0.72
04.20.2021	08:38:44	S	3344.18	W	1612.74	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.75	0.76
04.20.2021	08:39:44	S	3344.19	W	1612.49	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.74	0.76
04.20.2021	08:40:47	S	3344.19	W	1612.28	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.74	0.74
04.20.2021	08:41:47	S	3344.2	W	1612.03	2.8	3.98	141	3.19	35.4	4.8	1.8	22.2	3.75	0.74
04.20.2021	08:42:47	S	3344.21	W	1611.77	2.8	3.98	141	3.19	35.4	4.6	1.8	22.2	3.71	0.75
04.20.2021	08:43:47	S	3344.22	W	1611.54	2.8	3.98	141	3.19	35.4	4.6	1.8	22.0	3.67	0.74
04.20.2021	08:44:47	S	3344.22	W	1611.3	2.7	3.98	141	3.19	35.4	4.6	1.8	21.9	3.65	0.72
04.20.2021	08:45:47	S	3344.23	W	1611.08	2.8	3.98	141	3.19	35.4	4.6	1.8	21.9	3.67	0.74
04.20.2021	08:46:47	S	3344.23	W	1610.79	2.8	3.98	141	3.19	35.4	4.6	1.8	21.8	3.76	0.79
04.20.2021	08:47:47	S	3344.24	W	1610.58	2.8	3.98	141	3.19	35.4	4.6	1.7	21.9	3.80	0.77
04.20.2021	08:48:47	S	3344.25	W	1610.36	2.8	3.98	141	3.19	35.4	4.7	1.7	21.9	3.75	0.77
04.20.2021	08:49:47	S	3344.25	W	1610.12	2.8	3.98	141	3.19	35.4	4.7	1.7	21.9	3.69	0.76
04.20.2021	08:50:42	S	3344.26	W	1609.83	2.8	3.98	141	3.19	35.4	4.6	1.8	21.9	3.77	0.78
04.20.2021	08:51:42	S	3344.27	W	1609.59	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.74	0.74

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	08:52:42	S	3344.27	W	1609.37	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.72	0.71
04.20.2021	08:53:42	S	3344.28	W	1609.14	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.73	0.75
04.20.2021	08:54:42	S	3344.29	W	1608.88	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.68	0.75
04.20.2021	08:55:42	S	3344.29	W	1608.64	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.78	0.75
04.20.2021	08:56:42	S	3344.3	W	1608.39	2.8	3.98	141	3.19	35.4	4.6	1.8	21.9	3.78	0.77
04.20.2021	08:57:42	S	3344.31	W	1608.18	2.8	3.98	141	3.19	35.4	4.6	1.8	22.0	3.73	0.76
04.20.2021	08:58:42	S	3344.32	W	1607.94	2.7	3.98	141	0.00	0.0	0.0	1.8	0.0	3.70	0.74
04.20.2021	08:59:42	S	3344.32	W	1607.69	2.8	3.98	141	3.19	35.4	4.6	1.8	22.0	3.73	0.74
04.20.2021	09:00:46	S	3344.33	W	1607.46	2.8	3.98	141	3.19	35.4	4.6	1.8	22.0	3.67	0.77
04.20.2021	09:01:46	S	3344.33	W	1607.23	2.8	3.98	141	3.19	35.4	4.6	1.8	21.9	3.74	0.76
04.20.2021	09:02:46	S	3344.34	W	1606.96	2.8	3.98	141	3.19	35.4	4.6	1.8	21.9	3.83	0.78
04.20.2021	09:03:46	S	3344.35	W	1606.72	2.8	3.98	141	3.19	35.4	4.7	1.8	21.7	3.77	0.73
04.20.2021	09:04:46	S	3344.36	W	1606.49	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.74	0.70
04.20.2021	09:05:46	S	3344.36	W	1606.25	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.76	0.76
04.20.2021	09:06:46	S	3344.37	W	1606	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.74	0.75
04.20.2021	09:07:46	S	3344.38	W	1605.77	2.8	3.98	141	3.19	35.4	4.8	1.9	21.6	3.75	0.76
04.20.2021	09:08:46	S	3344.39	W	1605.51	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.74	0.75
04.20.2021	09:09:46	S	3344.39	W	1605.28	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.73	0.76
04.20.2021	09:10:47	S	3344.4	W	1605.05	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.73	0.75
04.20.2021	09:11:47	S	3344.4	W	1604.8	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.74	0.74
04.20.2021	09:12:47	S	3344.41	W	1604.56	2.7	3.98	141	3.19	35.4	4.7	1.8	21.8	3.71	0.74
04.20.2021	09:13:47	S	3344.42	W	1604.35	2.8	3.98	141	3.19	35.4	4.8	1.8	21.4	3.73	0.77
04.20.2021	09:14:47	S	3344.42	W	1604.11	2.7	3.98	141	3.19	35.4	4.8	1.9	21.8	3.65	0.73
04.20.2021	09:15:47	S	3344.43	W	1603.84	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.73	0.79
04.20.2021	09:16:47	S	3344.43	W	1603.61	2.7	3.98	141	3.19	35.4	4.7	1.9	21.3	3.70	0.75
04.20.2021	09:17:47	S	3344.44	W	1603.36	2.8	3.98	141	3.19	35.4	4.7	1.9	21.3	3.67	0.74
04.20.2021	09:18:47	S	3344.45	W	1603.13	2.8	3.98	141	3.19	35.4	4.8	1.9	21.3	3.70	0.76
04.20.2021	09:19:47	S	3344.45	W	1602.9	2.8	3.98	141	3.19	35.4	4.8	1.9	21.4	3.81	0.79
04.20.2021	09:20:44	S	3344.46	W	1602.63	2.8	3.98	141	3.19	35.4	4.8	1.9	21.5	3.74	0.74
04.20.2021	09:21:44	S	3344.46	W	1602.38	2.8	3.98	141	3.19	35.4	4.7	1.8	21.7	3.76	0.78
04.20.2021	09:22:44	S	3344.47	W	1602.18	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.79	0.75
04.20.2021	09:23:44	S	3344.47	W	1601.91	2.8	3.98	141	3.19	35.4	4.7	1.8	21.8	3.71	0.73
04.20.2021	09:24:44	S	3344.48	W	1601.66	2.8	3.98	141	3.19	35.4	4.6	1.8	21.8	3.77	0.75
04.20.2021	09:25:44	S	3344.48	W	1601.41	2.8	3.98	141	3.19	35.4	4.7	1.8	21.8	3.72	0.76
04.20.2021	09:26:44	S	3344.49	W	1601.19	2.8	3.98	141	3.19	35.4	4.6	1.8	21.8	3.74	0.73
04.20.2021	09:27:44	S	3344.5	W	1600.96	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.74	0.75
04.20.2021	09:28:44	S	3344.51	W	1600.71	2.8	3.98	141	3.19	35.4	4.7	1.8	22.1	3.73	0.76
04.20.2021	09:29:44	S	3344.52	W	1600.49	2.8	3.98	141	3.19	35.4	4.7	1.7	22.0	3.74	0.78

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	09:30:42	S	3344.52	W	1600.22	2.8	3.98	141	3.19	35.4	4.7	1.7	22.0	3.68	0.77
04.20.2021	09:31:42	S	3344.53	W	1559.97	2.8	3.98	141	3.19	35.4	4.7	1.7	22.0	3.66	0.75
04.20.2021	09:32:42	S	3344.54	W	1559.74	2.8	3.98	141	3.19	35.4	4.7	1.7	22.2	3.66	0.77
04.20.2021	09:33:42	S	3344.54	W	1559.52	2.8	3.98	141	3.19	35.4	4.7	1.7	22.0	3.63	0.76
04.20.2021	09:34:42	S	3344.56	W	1559.26	2.8	3.98	141	3.19	35.4	4.7	1.7	22.1	3.75	0.76
04.20.2021	09:35:42	S	3344.57	W	1559.04	2.8	3.98	141	3.19	35.4	4.7	1.7	22.2	3.76	0.77
04.20.2021	09:36:42	S	3344.58	W	1558.76	2.8	3.98	141	3.19	35.4	4.7	1.7	22.2	3.75	0.74
04.20.2021	09:37:42	S	3344.59	W	1558.53	2.8	3.98	141	3.19	35.4	4.7	1.7	22.4	3.72	0.74
04.20.2021	09:38:42	S	3344.6	W	1558.29	2.8	3.98	141	3.19	35.4	4.6	1.7	22.4	3.81	0.79
04.20.2021	09:39:42	S	3344.61	W	1558.08	2.8	3.98	141	3.19	35.4	4.7	1.7	22.3	3.76	0.73
04.20.2021	09:40:44	S	3344.63	W	1557.8	2.8	3.98	141	3.19	35.4	4.7	1.7	22.3	3.72	0.75
04.20.2021	09:41:44	S	3344.64	W	1557.6	2.8	3.98	141	3.19	35.4	4.7	1.7	22.4	3.67	0.74
04.20.2021	09:42:44	S	3344.65	W	1557.32	2.8	3.98	141	3.19	35.4	4.7	1.8	22.4	3.76	0.78
04.20.2021	09:43:44	S	3344.66	W	1557.08	2.8	3.98	141	3.19	35.4	4.8	1.8	22.3	3.74	0.76
04.20.2021	09:44:44	S	3344.67	W	1556.87	2.8	3.98	141	3.19	35.4	4.8	1.8	22.3	3.73	0.72
04.20.2021	09:45:44	S	3344.69	W	1556.59	2.8	3.98	141	3.19	35.4	4.8	1.9	22.5	3.66	0.73
04.20.2021	09:46:44	S	3344.7	W	1556.38	2.8	3.98	141	3.19	35.4	4.7	1.9	22.4	3.71	0.72
04.20.2021	09:47:44	S	3344.71	W	1556.12	2.8	3.98	141	3.19	35.4	4.8	1.9	22.2	3.65	0.77
04.20.2021	09:48:44	S	3344.73	W	1555.86	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.71	0.77
04.20.2021	09:49:44	S	3344.74	W	1555.65	2.8	3.98	141	3.19	35.4	4.8	1.9	22.2	3.66	0.76
04.20.2021	09:50:44	S	3344.75	W	1555.4	2.8	3.98	141	3.19	35.4	4.8	1.9	22.4	3.80	0.75
04.20.2021	09:51:44	S	3344.77	W	1555.14	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.77	0.76
04.20.2021	09:52:44	S	3344.78	W	1554.93	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.74	0.74
04.20.2021	09:53:44	S	3344.8	W	1554.65	2.8	3.98	141	3.19	35.4	4.8	1.9	22.4	3.72	0.77
04.20.2021	09:54:44	S	3344.81	W	1554.45	2.8	3.98	141	3.19	35.4	4.8	2.0	22.3	3.73	0.76
04.20.2021	09:55:44	S	3344.82	W	1554.21	2.8	3.98	141	3.19	35.4	4.7	2.0	22.4	3.73	0.75
04.20.2021	09:56:44	S	3344.84	W	1553.94	2.8	3.98	141	3.19	35.4	4.8	2.0	22.3	3.75	0.75
04.20.2021	09:57:44	S	3344.85	W	1553.68	2.8	3.98	141	3.19	35.4	4.7	2.0	22.1	3.73	0.76
04.20.2021	09:58:44	S	3344.87	W	1553.45	2.8	3.98	141	3.19	35.4	4.7	2.0	22.0	3.73	0.76
04.20.2021	09:59:44	S	3344.89	W	1553.21	2.8	3.98	141	3.19	35.4	4.8	2.0	22.2	3.72	0.70
04.20.2021	10:00:44	S	3344.91	W	1552.96	2.8	3.98	141	3.19	35.4	4.7	2.0	22.3	3.72	0.74
04.20.2021	10:01:44	S	3344.92	W	1552.72	2.8	3.98	141	3.19	35.4	4.6	1.9	22.2	3.75	0.76
04.20.2021	10:02:44	S	3344.93	W	1552.48	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.69	0.77
04.20.2021	10:03:44	S	3344.95	W	1552.23	2.8	3.98	141	3.19	35.4	4.6	1.9	22.2	3.70	0.75
04.20.2021	10:04:44	S	3344.96	W	1551.99	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.72	0.78
04.20.2021	10:05:44	S	3344.98	W	1551.75	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.71	0.75
04.20.2021	10:06:44	S	3345	W	1551.5	2.8	3.98	141	3.19	35.4	4.7	1.9	22.3	3.76	0.76
04.20.2021	10:07:44	S	3345.01	W	1551.29	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.75	0.76

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	10:08:44	S	3345.03	W	1551.04	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.78	0.79	
04.20.2021	10:09:44	S	3345.04	W	1550.78	2.7	3.98	141	3.19	35.4	4.7	1.9	22.3	3.75	0.73	
04.20.2021	10:10:46	S	3345.06	W	1550.55	2.8	3.98	141	3.19	35.4	4.7	1.9	22.4	3.77	0.76	
04.20.2021	10:11:46	S	3345.07	W	1550.33	2.8	3.98	141	3.19	35.4	4.7	1.9	22.3	3.75	0.74	
04.20.2021	10:12:46	S	3345.09	W	1550.1	2.8	3.98	141	3.19	35.4	4.8	1.9	22.3	3.81	0.74	
04.20.2021	10:13:46	S	3345.11	W	1549.86	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.74	0.74	
04.20.2021	10:14:46	S	3345.12	W	1549.63	2.7	3.98	141	3.19	35.4	4.7	1.8	22.2	3.79	0.76	
04.20.2021	10:15:46	S	3345.14	W	1549.36	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.73	0.75	
04.20.2021	10:16:46	S	3345.15	W	1549.12	2.8	3.98	141	3.19	35.4	4.7	1.8	22.3	3.79	0.78	
04.20.2021	10:17:46	S	3345.17	W	1548.88	2.8	3.98	141	3.19	35.4	4.7	1.8	22.3	3.66	0.75	
04.20.2021	10:18:46	S	3345.19	W	1548.66	2.8	3.98	141	3.19	35.4	4.8	1.8	22.4	3.71	0.73	
04.20.2021	10:19:46	S	3345.2	W	1548.39	2.8	3.98	141	3.19	35.4	4.7	1.8	22.4	3.65	0.75	
04.20.2021	10:20:48	S	3345.22	W	1548.18	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.66	0.76	
04.20.2021	10:21:48	S	3345.24	W	1547.94	2.8	3.98	141	3.19	35.4	4.6	1.9	22.0	3.67	0.74	
04.20.2021	10:22:48	S	3345.25	W	1547.71	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.77	0.76	
04.20.2021	10:23:48	S	3345.27	W	1547.49	2.8	3.98	141	3.19	35.4	4.9	1.9	21.9	3.76	0.77	
04.20.2021	10:24:48	S	3345.29	W	1547.23	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.76	0.75	
04.20.2021	10:25:48	S	3345.3	W	1547.01	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.73	0.73	
04.20.2021	10:26:48	S	3345.32	W	1546.75	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.67	0.74	
04.20.2021	10:27:48	S	3345.33	W	1546.55	2.8	3.98	141	3.19	35.4	4.8	1.9	21.8	3.74	0.75	
04.20.2021	10:28:48	S	3345.35	W	1546.3	2.7	3.98	141	3.19	35.4	4.8	1.9	21.8	3.79	0.76	
04.20.2021	10:29:48	S	3345.36	W	1546.05	2.8	3.98	141	3.19	35.4	4.8	1.9	21.7	3.73	0.55	
04.20.2021	10:30:50	S	3345.37	W	1545.82	2.7	3.98	141	3.19	35.4	4.7	1.9	21.7	3.68	0.73	
04.20.2021	10:31:50	S	3345.38	W	1545.58	2.8	3.98	141	0.00	0.0	0.0	1.9	0.0	3.77	0.77	
04.20.2021	10:32:50	S	3345.38	W	1545.33	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.72	0.76	
04.20.2021	10:33:50	S	3345.39	W	1545.13	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.73	0.76	
04.20.2021	10:34:50	S	3345.41	W	1544.88	2.8	3.98	141	3.19	35.4	4.8	1.9	22.0	3.72	0.76	
04.20.2021	10:35:50	S	3345.42	W	1544.65	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.71	0.75	
04.20.2021	10:36:50	S	3345.42	W	1544.41	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.65	0.74	
04.20.2021	10:37:50	S	3345.44	W	1544.17	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.69	0.75	
04.20.2021	10:38:50	S	3345.45	W	1543.91	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.73	0.75	
04.20.2021	10:39:50	S	3345.46	W	1543.68	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.71	0.75	
04.20.2021	10:40:47	S	3345.47	W	1543.46	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.77	0.74	
04.20.2021	10:41:47	S	3345.48	W	1543.21	2.8	3.98	141	3.19	35.4	4.8	2.0	22.0	3.79	0.78	
04.20.2021	10:42:47	S	3345.49	W	1542.99	2.7	3.98	141	3.19	35.4	4.7	2.0	22.0	3.76	0.74	
04.20.2021	10:43:47	S	3345.5	W	1542.73	2.7	3.98	141	3.19	35.4	4.7	2.0	22.0	3.77	0.72	
04.20.2021	10:44:47	S	3345.51	W	1542.5	2.8	3.98	141	3.19	35.4	4.8	2.0	22.1	3.78	0.75	
04.20.2021	10:45:47	S	3345.52	W	1542.28	2.8	3.98	141	3.19	35.4	4.7	2.0	22.1	3.76	0.76	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	10:46:47	S	3345.53	W	1542.05	2.8	3.98	141	3.19	35.4	4.8	2.0	22.1	3.74	0.75
04.20.2021	10:47:47	S	3345.54	W	1541.81	2.8	3.98	141	3.19	35.4	4.7	2.0	21.8	3.74	0.75
04.20.2021	10:48:47	S	3345.55	W	1541.6	2.8	3.98	141	0.00	0.0	0.0	1.9	0.0	3.74	0.75
04.20.2021	10:49:47	S	3345.56	W	1541.34	2.8	3.98	141	3.19	35.4	4.7	1.9	21.5	3.73	0.75
04.20.2021	10:50:45	S	3345.57	W	1541.07	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.68	0.73
04.20.2021	10:51:45	S	3345.57	W	1540.84	2.8	3.98	141	3.19	35.4	4.8	1.9	21.8	3.67	0.75
04.20.2021	10:52:45	S	3345.58	W	1540.62	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.65	0.75
04.20.2021	10:53:45	S	3345.58	W	1540.36	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.77	0.76
04.20.2021	10:54:45	S	3345.59	W	1540.13	2.8	3.98	141	0.00	0.0	0.0	1.9	0.0	3.76	0.76
04.20.2021	10:55:45	S	3345.59	W	1539.89	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.77	0.75
04.20.2021	10:56:45	S	3345.6	W	1539.68	2.8	3.98	141	3.19	35.4	4.7	1.9	21.5	3.74	0.76
04.20.2021	10:57:45	S	3345.59	W	1539.43	2.8	3.98	141	3.19	35.4	4.6	1.9	21.3	3.74	0.76
04.20.2021	10:58:45	S	3345.58	W	1539.18	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.76	0.76
04.20.2021	10:59:45	S	3345.57	W	1538.94	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.73	0.70
04.20.2021	11:00:48	S	3345.56	W	1538.74	2.8	3.98	141	3.19	35.4	4.7	1.9	21.3	3.71	0.72
04.20.2021	11:01:48	S	3345.54	W	1538.47	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.73	0.72
04.20.2021	11:02:48	S	3345.53	W	1538.24	2.8	3.98	141	3.19	35.4	4.8	1.9	21.6	3.80	0.75
04.20.2021	11:03:48	S	3345.53	W	1538.01	2.8	3.98	141	3.19	35.4	4.8	1.9	21.4	3.71	0.77
04.20.2021	11:04:48	S	3345.52	W	1537.77	2.8	3.98	141	3.19	35.4	4.8	1.9	21.5	3.79	0.77
04.20.2021	11:05:48	S	3345.51	W	1537.53	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.71	0.76
04.20.2021	11:06:48	S	3345.49	W	1537.32	2.8	3.98	141	3.19	35.4	4.8	1.9	21.8	3.74	0.78
04.20.2021	11:07:48	S	3345.48	W	1537.08	2.8	3.98	141	3.19	35.4	4.7	1.9	21.5	3.74	0.76
04.20.2021	11:08:48	S	3345.47	W	1536.82	2.8	3.98	141	3.19	35.4	4.9	1.9	21.4	3.67	0.73
04.20.2021	11:09:48	S	3345.46	W	1536.59	2.8	3.98	141	3.19	35.4	4.8	1.9	21.5	3.71	0.77
04.20.2021	11:10:44	S	3345.45	W	1536.37	2.8	3.98	141	3.19	35.4	4.8	1.9	21.4	3.78	0.75
04.20.2021	11:11:44	S	3345.44	W	1536.15	2.8	3.98	141	3.19	35.4	4.7	1.9	21.4	3.76	0.78
04.20.2021	11:12:44	S	3345.43	W	1535.88	2.8	3.98	141	3.19	35.4	4.7	1.9	21.5	3.71	0.76
04.20.2021	11:13:44	S	3345.42	W	1535.65	2.8	3.98	141	3.19	35.4	4.7	1.9	21.5	3.75	0.75
04.20.2021	11:14:44	S	3345.41	W	1535.41	2.8	3.98	141	3.19	35.4	4.8	1.9	21.6	3.73	0.75
04.20.2021	11:15:44	S	3345.39	W	1535.2	2.8	3.98	141	3.19	35.4	4.7	2.0	21.5	3.70	0.72
04.20.2021	11:16:44	S	3345.38	W	1534.93	2.8	3.98	141	3.19	35.4	4.8	2.0	21.5	3.78	0.79
04.20.2021	11:17:44	S	3345.37	W	1534.7	2.8	3.98	141	3.19	35.4	4.7	1.9	21.3	3.73	0.76
04.20.2021	11:18:44	S	3345.36	W	1534.48	2.8	3.98	141	3.19	35.4	4.7	1.9	21.3	3.69	0.74
04.20.2021	11:19:44	S	3345.35	W	1534.24	2.8	3.98	141	3.19	35.4	4.9	1.9	21.3	3.92	0.76
04.20.2021	11:20:50	S	3345.35	W	1533.98	2.8	3.98	141	3.19	35.4	5.0	1.9	21.3	3.71	0.79
04.20.2021	11:21:50	S	3345.34	W	1533.77	2.8	3.98	141	3.19	35.4	5.0	1.9	21.4	3.74	0.76
04.20.2021	11:22:50	S	3345.34	W	1533.54	2.8	3.98	141	3.19	35.4	5.0	2.0	21.7	3.75	0.77
04.20.2021	11:23:50	S	3345.33	W	1533.31	2.8	3.98	141	3.19	35.4	5.0	2.0	21.7	3.64	0.72

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	11:24:50	S	3345.33	W	1533.06	2.8	3.98	141	3.19	35.4	4.9	2.0	21.5	3.65	0.71
04.20.2021	11:25:50	S	3345.33	W	1532.81	2.8	3.98	141	3.19	35.4	4.8	2.0	21.6	3.74	0.73
04.20.2021	11:26:50	S	3345.33	W	1532.6	2.8	3.98	141	3.19	35.4	4.9	2.0	21.5	3.75	0.74
04.20.2021	11:27:50	S	3345.33	W	1532.33	2.8	3.98	141	3.19	35.4	4.9	2.0	21.1	3.75	0.75
04.20.2021	11:28:50	S	3345.33	W	1532.12	2.8	3.98	141	3.19	35.4	4.8	2.0	21.3	3.74	0.75
04.20.2021	11:29:50	S	3345.33	W	1531.92	2.8	3.98	141	3.19	35.4	4.8	2.0	21.4	3.72	0.74
04.20.2021	11:30:42	S	3345.33	W	1531.64	2.8	3.98	141	3.19	35.4	4.8	2.0	21.5	3.78	0.76
04.20.2021	11:31:42	S	3345.33	W	1531.43	2.8	3.98	141	3.19	35.4	4.9	2.0	21.4	3.78	0.78
04.20.2021	11:32:42	S	3345.35	W	1531.18	2.8	3.98	141	3.19	35.4	5.0	2.1	21.6	3.73	0.75
04.20.2021	11:33:42	S	3345.36	W	1530.95	2.8	3.98	141	3.19	35.4	4.9	2.1	21.3	3.77	0.75
04.20.2021	11:34:42	S	3345.38	W	1530.71	2.8	3.98	141	3.19	35.4	4.8	2.1	21.2	3.71	0.75
04.20.2021	11:35:42	S	3345.38	W	1530.46	2.8	3.98	141	0.00	0.0	0.0	2.0	0.0	3.76	0.78
04.20.2021	11:36:42	S	3345.38	W	1530.23	2.8	3.98	141	3.19	35.4	4.6	2.0	21.7	3.71	0.75
04.20.2021	11:37:42	S	3345.39	W	1530	2.8	3.98	141	3.19	35.4	4.7	2.0	21.7	3.72	0.76
04.20.2021	11:38:42	S	3345.41	W	1529.76	2.8	3.98	141	3.19	35.4	4.7	2.0	21.7	3.68	0.77
04.20.2021	11:39:42	S	3345.43	W	1529.53	2.8	3.98	141	3.19	35.4	4.9	2.0	21.5	3.70	0.76
04.20.2021	11:40:51	S	3345.43	W	1529.48	2.8	3.98	141	3.19	35.4	4.7	2.0	21.9	3.68	0.74
04.20.2021	11:41:51	S	3345.46	W	1529.04	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.70	0.77
04.20.2021	11:42:51	S	3345.47	W	1528.84	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.78	0.75
04.20.2021	11:43:51	S	3345.49	W	1528.59	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.72	0.75
04.20.2021	11:44:51	S	3345.5	W	1528.36	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.71	0.74
04.20.2021	11:45:51	S	3345.52	W	1528.13	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.72	0.74
04.20.2021	11:46:51	S	3345.54	W	1527.87	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.80	0.78
04.20.2021	11:47:51	S	3345.55	W	1527.66	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.75	0.75
04.20.2021	11:48:51	S	3345.57	W	1527.41	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.73	0.75
04.20.2021	11:49:51	S	3345.58	W	1527.19	2.8	3.98	141	3.19	35.4	4.7	1.8	21.7	3.70	0.77
04.20.2021	11:50:46	S	3345.6	W	1526.95	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.74	0.76
04.20.2021	11:51:46	S	3345.62	W	1526.7	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.68	0.81
04.20.2021	11:52:46	S	3345.64	W	1526.49	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.72	0.77
04.20.2021	11:53:46	S	3345.66	W	1526.24	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.64	0.73
04.20.2021	11:54:46	S	3345.67	W	1526.03	2.8	3.98	141	3.19	35.4	4.7	1.8	21.8	3.69	0.74
04.20.2021	11:55:46	S	3345.69	W	1525.8	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.69	0.76
04.20.2021	11:56:46	S	3345.71	W	1525.57	2.8	3.98	141	3.19	35.4	4.7	1.8	21.8	3.68	0.76
04.20.2021	11:57:46	S	3345.73	W	1525.33	2.8	3.98	141	3.19	35.4	4.6	1.8	22.0	3.75	0.73
04.20.2021	11:58:46	S	3345.75	W	1525.1	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.77	0.79
04.20.2021	11:59:46	S	3345.76	W	1524.85	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.76	0.75
04.20.2021	12:00:45	S	3345.78	W	1524.63	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.83	0.82
04.20.2021	12:01:45	S	3345.8	W	1524.4	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.75	0.75

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	12:02:45	S	3345.82	W	1524.16	2.8	3.98	141	3.19	35.4	4.8	1.8	21.9	3.72	0.75
04.20.2021	12:03:45	S	3345.84	W	1523.93	2.8	3.98	141	3.19	35.4	4.9	1.8	21.9	3.75	0.77
04.20.2021	12:04:45	S	3345.86	W	1523.67	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.77	0.75
04.20.2021	12:05:45	S	3345.87	W	1523.45	2.8	3.98	141	3.19	35.4	4.8	1.9	21.6	3.75	0.76
04.20.2021	12:06:45	S	3345.89	W	1523.22	2.8	3.98	141	3.19	35.4	4.8	1.9	21.7	3.70	0.73
04.20.2021	12:07:45	S	3345.91	W	1522.98	2.8	3.98	141	3.19	35.4	4.8	1.9	21.8	3.69	0.76
04.20.2021	12:08:45	S	3345.93	W	1522.72	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.76	0.78
04.20.2021	12:09:45	S	3345.95	W	1522.5	2.8	3.98	141	3.19	35.4	4.8	1.9	21.7	3.71	0.75
04.20.2021	12:10:51	S	3345.96	W	1522.26	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.69	0.77
04.20.2021	12:11:51	S	3345.98	W	1522.05	2.8	3.98	141	3.19	35.4	4.9	1.9	21.8	3.71	0.75
04.20.2021	12:12:51	S	3346	W	1521.81	2.8	3.98	141	3.19	35.4	4.8	2.0	21.8	3.69	0.76
04.20.2021	12:13:51	S	3346.01	W	1521.58	2.8	3.98	141	3.19	35.4	4.8	2.0	21.8	3.72	0.76
04.20.2021	12:14:51	S	3346.03	W	1521.33	2.8	3.98	141	3.19	35.4	4.7	2.0	21.9	3.74	0.77
04.20.2021	12:15:51	S	3346.05	W	1521.12	2.8	3.98	141	3.19	35.4	4.7	2.0	21.9	3.75	0.75
04.20.2021	12:16:51	S	3346.07	W	1520.87	2.8	3.98	141	3.19	35.4	4.8	2.0	22.0	3.75	0.76
04.20.2021	12:17:51	S	3346.09	W	1520.62	2.8	3.98	141	3.19	35.4	4.8	1.9	22.0	3.71	0.74
04.20.2021	12:18:51	S	3346.1	W	1520.39	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.77	0.77
04.20.2021	12:19:51	S	3346.12	W	1520.17	2.8	3.98	141	3.19	35.4	4.8	1.9	22.2	3.78	0.75
04.20.2021	12:20:44	S	3346.14	W	1519.96	2.8	3.98	141	3.19	35.4	4.7	1.9	22.3	3.72	0.76
04.20.2021	12:21:44	S	3346.16	W	1519.68	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.72	0.73
04.20.2021	12:22:44	S	3346.18	W	1519.44	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.51	0.73
04.20.2021	12:23:44	S	3346.2	W	1519.2	2.8	3.98	141	3.19	35.4	4.6	1.9	22.3	3.75	0.76
04.20.2021	12:24:44	S	3346.22	W	1518.99	2.8	3.98	141	3.19	35.4	4.6	1.9	22.3	3.71	0.75
04.20.2021	12:25:44	S	3346.23	W	1518.76	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.75	0.75
04.20.2021	12:26:44	S	3346.26	W	1518.52	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.69	0.74
04.20.2021	12:27:44	S	3346.28	W	1518.29	2.8	3.98	141	0.00	0.0	0.0	1.8	0.0	3.75	0.76
04.20.2021	12:28:44	S	3346.3	W	1518.03	2.8	3.98	141	3.19	35.4	4.7	1.8	22.5	3.72	0.78
04.20.2021	12:29:44	S	3346.32	W	1517.79	2.8	3.98	141	3.19	35.4	4.6	1.8	22.1	3.71	0.70
04.20.2021	12:30:46	S	3346.33	W	1517.58	2.8	3.98	141	3.19	35.4	4.6	1.8	22.1	3.73	0.74
04.20.2021	12:31:46	S	3346.35	W	1517.33	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.77	0.77
04.20.2021	12:32:46	S	3346.37	W	1517.11	2.8	3.98	141	3.19	35.4	4.6	1.8	22.2	3.77	0.79
04.20.2021	12:33:46	S	3346.39	W	1516.85	2.8	3.98	141	3.19	35.4	4.6	1.8	22.0	3.76	0.75
04.20.2021	12:34:46	S	3346.41	W	1516.64	2.8	3.98	141	3.19	35.4	4.6	1.8	22.1	3.74	0.74
04.20.2021	12:35:46	S	3346.43	W	1516.37	2.8	3.98	141	3.19	35.4	4.6	1.8	22.2	3.73	0.75
04.20.2021	12:36:46	S	3346.45	W	1516.15	2.8	3.98	141	3.19	35.4	4.6	1.8	22.2	3.75	0.79
04.20.2021	12:37:46	S	3346.46	W	1515.94	2.8	3.98	141	3.19	35.4	4.7	1.7	22.2	3.77	0.73
04.20.2021	12:38:46	S	3346.48	W	1515.71	2.8	3.98	141	3.19	35.4	4.6	1.7	22.0	3.68	0.77
04.20.2021	12:39:46	S	3346.5	W	1515.45	2.8	3.98	141	3.19	35.4	4.7	1.7	22.0	3.70	0.74

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	12:40:45	S	3346.52	W	1515.21	2.8	3.98	141	3.19	35.4	4.8	1.8	22.0	3.70	0.74	
04.20.2021	12:41:45	S	3346.54	W	1514.97	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.72	0.75	
04.20.2021	12:42:45	S	3346.55	W	1514.76	2.8	3.98	141	3.19	35.4	4.7	1.7	22.2	3.69	0.73	
04.20.2021	12:43:45	S	3346.57	W	1514.48	2.8	3.98	141	3.19	35.4	4.7	1.7	22.1	3.72	0.77	
04.20.2021	12:44:45	S	3346.58	W	1514.3	2.8	3.98	141	3.19	35.4	4.7	1.7	22.1	3.69	0.77	
04.20.2021	12:45:45	S	3346.59	W	1514.05	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.63	0.74	
04.20.2021	12:46:45	S	3346.6	W	1513.81	2.8	3.98	141	3.19	35.4	4.8	1.8	22.3	3.79	0.78	
04.20.2021	12:47:45	S	3346.61	W	1513.57	2.8	3.98	141	3.19	35.4	4.8	1.8	22.0	3.77	0.78	
04.20.2021	12:48:45	S	3346.61	W	1513.32	2.8	3.98	141	3.19	35.4	4.8	1.8	21.8	3.69	0.75	
04.20.2021	12:49:45	S	3346.62	W	1513.11	2.8	3.98	141	3.19	35.4	4.8	1.8	21.7	3.75	0.75	
04.20.2021	12:50:49	S	3346.63	W	1512.84	2.8	3.98	141	3.19	35.4	4.8	1.8	21.8	3.73	0.72	
04.20.2021	12:51:49	S	3346.64	W	1512.58	2.8	3.98	141	3.19	35.4	4.8	1.8	22.0	3.75	0.76	
04.20.2021	12:52:49	S	3346.64	W	1512.37	2.8	3.98	141	3.19	35.4	4.8	1.9	22.2	3.71	0.73	
04.20.2021	12:53:49	S	3346.65	W	1512.13	2.8	3.98	141	3.19	35.4	4.8	1.9	22.2	3.72	0.76	
04.20.2021	12:54:49	S	3346.65	W	1511.88	2.8	3.98	141	3.19	35.4	4.8	1.9	22.4	3.75	0.76	
04.20.2021	12:55:49	S	3346.66	W	1511.63	2.8	3.98	141	0.00	0.0	0.0	1.9	0.0	3.69	0.73	
04.20.2021	12:56:49	S	3346.66	W	1511.39	2.8	3.98	141	3.19	35.4	4.8	1.9	22.1	3.74	0.74	
04.20.2021	12:57:49	S	3346.66	W	1511.17	2.8	3.98	141	3.19	35.4	4.7	2.0	22.0	3.70	0.73	
04.20.2021	12:58:49	S	3346.67	W	1510.94	2.8	3.98	141	3.19	35.4	4.7	2.0	22.0	3.72	0.73	
04.20.2021	12:59:49	S	3346.67	W	1510.69	2.8	3.98	141	3.19	35.4	4.7	2.0	21.9	3.66	0.75	
04.20.2021	13:00:46	S	3346.67	W	1510.43	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.75	0.74	
04.20.2021	13:01:46	S	3346.68	W	1510.17	2.8	3.98	141	3.19	35.4	4.8	1.9	22.1	3.70	0.73	
04.20.2021	13:02:46	S	3346.68	W	1509.97	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.80	0.75	
04.20.2021	13:03:46	S	3346.68	W	1509.72	2.8	3.98	141	3.19	35.4	4.6	1.9	22.2	3.73	0.75	
04.20.2021	13:04:46	S	3346.69	W	1509.52	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.77	0.73	
04.20.2021	13:05:46	S	3346.69	W	1509.41	2.8	3.98	141	3.19	35.4	4.6	1.9	21.8	3.72	0.77	
04.20.2021	13:06:46	S	3346.7	W	1509	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.73	0.74	
04.20.2021	13:07:46	S	3346.7	W	1508.74	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.76	0.77	
04.20.2021	13:08:46	S	3346.71	W	1508.51	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.71	0.72	
04.20.2021	13:09:46	S	3346.71	W	1508.26	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.78	0.74	
04.20.2021	13:10:48	S	3346.72	W	1508.04	2.8	3.98	141	3.19	35.4	4.6	1.9	21.7	3.76	0.76	
04.20.2021	13:11:48	S	3346.72	W	1507.78	2.8	3.98	141	3.19	35.4	4.6	1.8	21.8	3.72	0.75	
04.20.2021	13:12:48	S	3346.72	W	1507.54	2.8	3.98	141	3.19	35.4	4.6	1.8	21.5	3.73	0.72	
04.20.2021	13:13:48	S	3346.73	W	1507.31	2.8	3.98	141	3.19	35.4	4.6	1.8	21.4	3.79	0.78	
04.20.2021	13:14:48	S	3346.73	W	1507.03	2.8	3.98	141	3.19	35.4	4.7	1.8	21.5	3.70	0.74	
04.20.2021	13:15:48	S	3346.73	W	1506.8	2.8	3.98	141	3.19	35.4	4.7	1.9	21.6	3.68	0.75	
04.20.2021	13:16:48	S	3346.73	W	1506.58	2.8	3.98	141	3.19	35.4	4.7	1.9	21.5	3.72	0.77	
04.20.2021	13:17:48	S	3346.74	W	1506.34	2.8	3.98	141	3.19	35.4	4.8	1.9	21.4	3.75	0.76	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	13:18:48	S	3346.74	W	1506.09	2.8	3.98	141	3.19	35.4	4.7	1.9	21.5	3.76	0.74
04.20.2021	13:19:48	S	3346.75	W	1505.84	2.8	3.98	141	3.19	35.4	4.6	1.9	21.8	3.73	0.76
04.20.2021	13:20:49	S	3346.75	W	1505.6	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.74	0.75
04.20.2021	13:21:49	S	3346.75	W	1505.34	2.8	3.98	141	3.19	35.4	4.8	1.9	21.8	3.69	0.73
04.20.2021	13:22:49	S	3346.76	W	1505.11	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.73	0.75
04.20.2021	13:23:49	S	3346.76	W	1504.86	2.8	3.98	141	3.19	35.4	4.7	1.8	21.7	3.74	0.76
04.20.2021	13:24:49	S	3346.76	W	1504.64	2.8	3.98	141	3.19	35.4	4.7	1.8	21.9	3.76	0.76
04.20.2021	13:25:49	S	3346.76	W	1504.38	2.8	3.98	141	3.19	35.4	4.7	1.8	22.0	3.67	0.75
04.20.2021	13:26:49	S	3346.76	W	1504.13	2.8	3.98	141	3.19	35.4	4.8	1.8	22.1	3.77	0.74
04.20.2021	13:27:49	S	3346.76	W	1503.9	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.67	0.74
04.20.2021	13:28:49	S	3346.77	W	1503.66	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.72	0.74
04.20.2021	13:29:49	S	3346.77	W	1503.42	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.69	0.77
04.20.2021	13:30:49	S	3346.77	W	1503.16	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.71	0.74
04.20.2021	13:31:49	S	3346.77	W	1502.94	2.8	3.98	141	3.19	35.4	4.6	1.9	21.8	3.70	0.76
04.20.2021	13:32:49	S	3346.77	W	1502.68	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.67	0.74
04.20.2021	13:33:49	S	3346.78	W	1502.44	2.8	3.98	141	3.19	35.4	4.7	1.9	21.7	3.77	0.77
04.20.2021	13:34:49	S	3346.78	W	1502.21	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.70	0.76
04.20.2021	13:35:49	S	3346.79	W	1501.98	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.79	0.77
04.20.2021	13:36:49	S	3346.79	W	1501.73	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.77	0.74
04.20.2021	13:37:49	S	3346.79	W	1501.49	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.74	0.76
04.20.2021	13:38:49	S	3346.79	W	1501.26	2.8	3.98	141	3.19	35.4	4.8	1.9	21.7	3.73	0.75
04.20.2021	13:39:49	S	3346.79	W	1501.01	2.8	3.98	141	3.19	35.4	5.0	1.9	21.8	3.76	0.76
04.20.2021	13:40:49	S	3346.79	W	1500.76	2.8	3.98	141	3.19	35.4	4.9	1.9	21.5	3.70	0.73
04.20.2021	13:41:49	S	3346.8	W	1500.5	2.8	3.98	141	3.19	35.4	4.9	1.9	21.5	3.73	0.73
04.20.2021	13:42:49	S	3346.8	W	1500.28	2.8	3.98	141	3.19	35.4	4.8	1.9	21.5	3.73	0.75
04.20.2021	13:43:49	S	3346.81	W	1500.03	2.8	3.98	141	3.19	35.4	4.8	1.9	21.4	3.78	0.77
04.20.2021	13:44:49	S	3346.82	W	1459.79	2.8	3.98	141	3.19	35.4	4.8	1.9	21.6	3.70	0.78
04.20.2021	13:45:49	S	3346.82	W	1459.56	2.8	3.98	141	3.19	35.4	4.8	1.9	21.5	3.72	0.75
04.20.2021	13:46:49	S	3346.84	W	1459.29	2.8	3.98	141	3.19	35.4	4.8	1.9	21.9	3.67	0.75
04.20.2021	13:47:49	S	3346.86	W	1459.06	2.7	3.98	141	3.19	35.4	4.8	1.9	21.8	3.67	0.72
04.20.2021	13:48:49	S	3346.87	W	1458.83	2.8	3.98	141	3.19	35.4	4.8	2.0	21.6	3.70	0.76
04.20.2021	13:49:49	S	3346.89	W	1458.58	2.8	3.98	141	3.19	35.4	4.8	2.0	21.6	3.69	0.77
04.20.2021	13:50:48	S	3346.9	W	1458.35	2.8	3.98	141	3.19	35.4	4.7	2.0	21.8	3.72	0.71
04.20.2021	13:51:48	S	3346.91	W	1458.07	2.8	3.98	141	3.19	35.4	4.7	2.0	22.1	3.76	0.78
04.20.2021	13:52:48	S	3346.92	W	1457.85	2.8	3.98	141	3.19	35.4	4.8	2.0	22.2	3.78	0.76
04.20.2021	13:53:48	S	3346.94	W	1457.61	2.8	3.98	141	3.19	35.4	4.7	1.9	22.0	3.75	0.74
04.20.2021	13:54:48	S	3346.96	W	1457.37	2.8	3.98	141	3.19	35.4	4.6	1.9	22.2	3.75	0.73
04.20.2021	13:55:48	S	3346.96	W	1457.29	2.8	3.98	141	3.19	35.4	4.6	1.9	22.2	3.77	0.74

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	13:56:48	S	3346.98	W	1456.88	2.8	3.98	141	3.19	35.4	4.7	1.9	22.3	3.76	0.75
04.20.2021	13:57:48	S	3347	W	1456.63	2.8	3.98	141	3.19	35.4	4.6	1.9	22.1	3.73	0.75
04.20.2021	13:58:48	S	3347.01	W	1456.39	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.71	0.73
04.20.2021	13:59:48	S	3347.02	W	1456.14	2.8	3.98	141	3.19	35.4	4.7	1.9	22.4	3.71	0.71
04.20.2021	14:00:48	S	3347.03	W	1455.92	2.8	3.98	141	3.19	35.4	4.6	1.9	22.3	3.73	0.77
04.20.2021	14:01:48	S	3347.04	W	1455.65	2.8	3.98	141	3.19	35.4	4.6	1.9	22.3	3.73	0.72
04.20.2021	14:02:48	S	3347.05	W	1455.43	2.8	3.98	141	3.19	35.4	4.7	1.8	22.2	3.74	0.77
04.20.2021	14:03:48	S	3347.06	W	1455.19	2.8	3.98	141	3.19	35.4	4.8	1.8	21.8	3.70	0.73
04.20.2021	14:04:48	S	3347.07	W	1454.95	2.8	3.98	141	3.19	35.4	4.7	1.8	21.8	3.68	0.73
04.20.2021	14:05:48	S	3347.09	W	1454.68	2.8	3.98	141	3.19	35.4	4.6	1.8	21.7	3.73	0.72
04.20.2021	14:06:48	S	3347.09	W	1454.48	2.8	3.98	141	3.19	35.4	4.7	1.8	21.7	3.74	0.75
04.20.2021	14:07:48	S	3347.1	W	1454.23	2.8	3.98	141	3.19	35.4	4.6	1.8	21.8	3.77	0.78
04.20.2021	14:08:48	S	3347.12	W	1453.99	2.8	3.98	141	3.19	35.4	4.7	1.8	21.7	3.74	0.73
04.20.2021	14:09:48	S	3347.13	W	1453.73	2.8	3.98	141	3.19	35.4	4.7	1.8	21.7	3.73	0.76
04.20.2021	14:10:45	S	3347.13	W	1453.52	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.76	0.77
04.20.2021	14:11:45	S	3347.14	W	1453.21	2.8	3.98	141	3.19	35.4	4.9	1.8	21.9	3.78	0.75
04.20.2021	14:12:45	S	3347.15	W	1453.01	2.8	3.98	141	3.19	35.4	4.7	1.9	22.2	3.76	0.72
04.20.2021	14:13:45	S	3347.16	W	1452.76	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.76	0.74
04.20.2021	14:14:45	S	3347.17	W	1452.51	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.76	0.75
04.20.2021	14:15:45	S	3347.18	W	1452.27	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.77	0.78
04.20.2021	14:16:45	S	3347.18	W	1452.04	2.8	3.98	141	3.19	35.4	4.8	1.9	22.0	3.74	0.78
04.20.2021	14:17:45	S	3347.2	W	1451.76	2.8	3.98	141	3.19	35.4	4.8	1.9	22.1	3.72	0.76
04.20.2021	14:18:45	S	3347.2	W	1451.52	2.8	3.98	141	3.19	35.4	4.7	1.9	22.1	3.70	0.78
04.20.2021	14:19:45	S	3347.21	W	1451.3	2.8	3.98	141	3.19	35.4	4.7	1.9	21.8	3.71	0.75
04.20.2021	14:20:45	S	3347.22	W	1451.06	2.8	3.98	141	3.19	35.4	4.7	1.9	21.9	3.66	0.75
04.20.2021	14:21:45	S	3347.23	W	1450.82	2.8	3.98	141	0.00	0.0	0.0	1.9	0.0	3.66	0.75
04.20.2021	14:22:45	S	3347.25	W	1450.57	2.8	3.98	141	3.19	35.4	4.9	1.9	21.6	3.76	0.75
04.20.2021	14:23:45	S	3347.26	W	1450.31	2.8	3.98	141	3.19	35.4	5.0	1.9	21.5	3.74	0.75
04.20.2021	14:24:45	S	3347.27	W	1450.11	2.8	3.98	141	3.19	35.4	4.9	1.9	21.3	3.78	0.76
04.20.2021	14:25:45	S	3347.28	W	1449.82	2.8	3.98	141	3.19	35.4	4.9	1.9	21.4	3.74	0.73
04.20.2021	14:26:45	S	3347.29	W	1449.6	2.8	3.98	141	3.19	35.4	4.9	1.9	21.6	3.69	0.71
04.20.2021	14:27:45	S	3347.31	W	1449.35	2.8	3.98	141	3.19	35.4	5.0	1.9	21.8	3.73	0.75
04.20.2021	14:28:45	S	3347.31	W	1449.12	2.8	3.98	141	3.19	35.4	5.3	2.0	21.4	3.73	0.74
04.20.2021	14:29:45	S	3347.33	W	1448.86	2.8	3.98	141	3.19	35.4	5.2	2.0	21.4	3.79	0.75
04.20.2021	14:30:45	S	3347.33	W	1448.62	2.8	3.98	141	3.19	35.4	5.2	2.0	21.5	3.74	0.77
04.20.2021	14:31:45	S	3347.34	W	1448.36	2.8	3.98	141	3.19	35.4	5.2	2.1	21.4	3.69	0.74
04.20.2021	14:32:45	S	3347.35	W	1448.12	2.8	3.98	141	3.19	35.4	5.1	2.1	21.5	3.72	0.76
04.20.2021	14:33:45	S	3347.37	W	1447.87	2.8	3.98	141	3.19	35.4	4.9	2.1	21.3	3.69	0.76

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	14:34:45		S	3347.38	W	1447.63	2.8	3.98	141	0.00	0.0	0.0	2.1	0.0	0.82	0.76
04.20.2021	14:35:45		S	3347.39	W	1447.41	2.8	3.97	141	3.19	35.4	4.8	2.1	22.3	0.82	0.75
04.20.2021	14:36:45		S	3347.4	W	1447.17	2.8	3.97	141	3.19	35.4	4.8	2.1	22.5	0.78	0.78
04.20.2021	14:37:45		S	3347.4	W	1446.93	2.8	3.97	141	3.19	35.4	4.7	2.1	22.5	0.80	0.76
04.20.2021	14:38:45		S	3347.41	W	1446.65	2.8	3.97	141	3.19	35.4	4.7	2.1	22.5	0.82	0.77
04.20.2021	14:39:45		S	3347.42	W	1446.4	2.8	3.97	141	3.19	35.4	4.8	2.1	22.7	0.81	0.77
04.20.2021	14:40:49		S	3347.43	W	1446.18	2.8	3.97	141	3.19	35.4	4.8	2.2	22.7	0.82	0.79
04.20.2021	14:41:49		S	3347.44	W	1445.94	2.8	3.97	141	3.19	35.4	4.7	2.2	22.7	0.80	0.77
04.20.2021	14:42:49		S	3347.44	W	1445.69	2.8	3.97	141	3.19	35.4	4.7	2.2	22.5	0.79	0.76
04.20.2021	14:43:49		S	3347.45	W	1445.45	2.8	3.97	141	3.19	35.4	4.8	2.1	22.7	0.78	0.75
04.20.2021	14:44:49		S	3347.46	W	1445.21	2.8	3.97	141	3.19	35.4	4.7	2.1	22.5	0.80	0.79
04.20.2021	14:45:49		S	3347.47	W	1444.97	2.8	3.97	141	3.19	35.4	4.7	2.1	22.7	0.81	0.77
04.20.2021	14:46:49		S	3347.48	W	1444.74	2.8	3.97	141	3.19	35.4	4.7	2.0	22.9	0.82	0.79
04.20.2021	14:47:49		S	3347.48	W	1444.46	2.8	3.97	141	3.19	35.4	4.6	2.0	22.8	0.79	0.75
04.20.2021	14:48:49		S	3347.49	W	1444.22	2.8	3.97	141	3.19	35.4	4.6	2.0	22.9	0.81	0.77
04.20.2021	14:49:49		S	3347.5	W	1443.97	2.8	3.97	141	3.19	35.4	4.6	1.9	22.8	0.81	0.77
04.20.2021	14:50:47		S	3347.51	W	1443.72	2.8	3.97	141	3.19	35.4	4.5	1.9	22.8	5.17	5.09
04.20.2021	14:51:47		S	3347.53	W	1443.5	2.8	3.97	141	3.19	35.4	4.5	1.9	22.8	3.61	0.77
04.20.2021	14:52:47		S	3347.54	W	1443.23	2.8	3.96	141	3.19	35.4	4.4	1.9	22.8	3.75	0.75
04.20.2021	14:53:47		S	3347.55	W	1442.97	2.8	3.96	141	3.19	35.4	6.7	1.9	20.8	3.74	0.74
04.20.2021	14:54:47		S	3347.56	W	1442.75	2.8	3.96	141	3.19	35.4	9.7	2.1	19.9	3.77	0.76
04.20.2021	14:55:47		S	3347.57	W	1442.49	2.8	3.96	141	3.19	35.4	12.5	2.5	20.1	3.75	0.75
04.20.2021	14:56:47		S	3347.58	W	1442.26	2.8	3.96	141	3.19	35.4	11.3	3.2	21.4	3.78	0.76
04.20.2021	14:57:47		S	3347.59	W	1442	2.8	3.96	141	3.19	35.4	6.9	3.4	21.2	3.72	0.76
04.20.2021	14:58:47		S	3347.6	W	1441.78	2.8	3.96	141	3.19	35.4	6.0	3.5	21.3	3.74	0.76
04.20.2021	14:59:47		S	3347.61	W	1441.52	2.8	3.96	141	3.19	35.4	5.9	3.6	21.1	3.72	0.76
04.20.2021	15:00:46		S	3347.62	W	1441.28	2.8	3.96	141	3.19	35.4	6.1	3.7	21.5	3.75	0.76
04.20.2021	15:01:46		S	3347.63	W	1441.07	2.8	3.96	141	0.00	0.0	0.0	3.8	0.0	3.70	0.73
04.20.2021	15:02:46		S	3347.64	W	1440.81	2.8	3.96	141	3.19	35.4	6.5	3.9	21.4	3.80	0.75
04.20.2021	15:03:46		S	3347.66	W	1440.55	2.8	3.96	141	3.19	35.4	6.4	4.0	21.5	3.77	0.84
04.20.2021	15:04:46		S	3347.66	W	1440.3	2.8	3.96	141	3.19	35.4	6.4	4.2	21.5	3.71	0.72
04.20.2021	15:05:46		S	3347.68	W	1440.07	2.8	3.96	141	3.19	35.4	6.3	4.3	21.6	3.75	0.74
04.20.2021	15:06:46		S	3347.69	W	1439.8	2.8	3.96	141	3.19	35.4	6.2	4.4	21.7	3.72	0.72
04.20.2021	15:07:46		S	3347.7	W	1439.58	2.8	3.96	141	3.19	35.4	6.4	4.5	21.6	3.75	0.77
04.20.2021	15:08:46		S	3347.71	W	1439.3	2.8	3.96	141	3.19	35.4	6.4	4.6	21.7	3.74	0.75
04.20.2021	15:09:46		S	3347.72	W	1439.1	2.8	3.96	141	3.19	35.4	6.2	4.6	22.0	3.77	0.76
04.20.2021	15:10:45		S	3347.73	W	1438.83	2.8	3.96	141	3.19	35.4	6.0	4.2	22.2	3.75	0.76
04.20.2021	15:11:45		S	3347.74	W	1438.6	2.8	3.96	141	3.19	35.4	5.9	3.6	21.9	3.71	0.74

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	15:12:45	S	3347.75	W	1438.34	2.8	3.96	141	3.19	35.4	5.8	3.4	22.0	3.75	0.76
04.20.2021	15:13:45	S	3347.76	W	1438.11	2.8	3.96	141	3.19	35.4	5.9	3.4	21.9	3.67	0.71
04.20.2021	15:14:45	S	3347.77	W	1437.86	2.8	3.96	141	3.19	35.4	5.7	3.4	21.8	3.77	0.76
04.20.2021	15:15:45	S	3347.78	W	1437.61	2.8	3.96	141	3.19	35.4	5.7	3.4	21.7	3.67	0.77
04.20.2021	15:16:45	S	3347.79	W	1437.38	2.8	3.96	141	3.19	35.4	5.7	3.4	21.9	3.68	0.74
04.20.2021	15:17:45	S	3347.81	W	1437.12	2.8	3.96	141	3.19	35.4	5.6	3.3	21.9	3.76	0.75
04.20.2021	15:18:45	S	3347.81	W	1436.91	2.8	3.96	141	3.19	35.4	5.6	3.2	21.9	3.76	0.75
04.20.2021	15:19:45	S	3347.82	W	1436.66	2.8	3.96	141	3.19	35.4	5.5	3.2	22.0	3.73	0.75
04.20.2021	15:20:49	S	3347.83	W	1436.39	2.8	3.96	141	3.19	35.4	5.6	3.1	22.0	3.74	0.74
04.20.2021	15:21:49	S	3347.84	W	1436.15	2.8	3.96	141	3.19	35.4	5.3	3.0	22.2	3.74	0.73
04.20.2021	15:22:49	S	3347.85	W	1435.91	2.8	3.96	141	3.19	35.4	5.3	2.9	21.8	3.75	0.75
04.20.2021	15:23:49	S	3347.86	W	1435.67	2.8	3.96	141	3.19	35.4	5.3	2.9	22.0	3.70	0.74
04.20.2021	15:24:49	S	3347.87	W	1435.42	2.8	3.96	141	3.19	35.4	5.3	2.8	22.0	3.70	0.77
04.20.2021	15:25:49	S	3347.88	W	1435.19	2.8	3.96	141	3.19	35.4	5.5	2.7	21.9	3.71	0.74
04.20.2021	15:26:49	S	3347.9	W	1434.95	2.8	3.96	141	3.19	35.4	5.9	2.7	21.7	3.73	0.75
04.20.2021	15:27:49	S	3347.91	W	1434.69	2.8	3.96	141	3.19	35.4	5.7	2.7	21.9	3.72	0.75
04.20.2021	15:28:49	S	3347.92	W	1434.47	2.8	3.96	141	3.19	35.4	5.5	2.6	21.9	3.75	0.75
04.20.2021	15:29:49	S	3347.92	W	1434.21	2.8	3.96	141	3.19	35.4	5.5	2.6	22.3	3.76	0.75
04.20.2021	15:30:45	S	3347.93	W	1433.99	2.8	3.96	141	3.19	35.4	5.4	2.6	22.3	3.77	0.81
04.20.2021	15:31:45	S	3347.94	W	1433.72	2.8	3.96	141	3.19	35.4	5.5	2.6	22.2	3.72	0.74
04.20.2021	15:32:45	S	3347.95	W	1433.5	2.8	3.96	141	3.19	35.4	5.5	2.5	22.1	3.74	0.76
04.20.2021	15:33:45	S	3347.96	W	1433.24	2.8	3.96	141	3.19	35.4	5.5	2.5	22.1	3.71	0.76
04.20.2021	15:34:45	S	3347.96	W	1433	2.8	3.96	141	3.19	35.4	5.4	2.5	22.2	3.73	0.76
04.20.2021	15:35:45	S	3347.97	W	1432.76	2.8	3.96	141	3.19	35.4	5.4	2.5	22.1	3.73	0.73
04.20.2021	15:36:45	S	3347.98	W	1432.53	2.8	3.96	141	3.19	35.4	5.4	2.5	22.0	3.70	0.74
04.20.2021	15:37:45	S	3347.99	W	1432.28	2.8	3.96	141	3.19	35.4	5.4	2.5	22.1	3.75	0.76
04.20.2021	15:38:45	S	3347.99	W	1432.05	2.8	3.96	141	3.19	35.4	5.5	2.5	22.1	3.75	0.77
04.20.2021	15:39:45	S	3348	W	1431.8	2.8	3.96	141	3.19	35.4	5.5	2.5	22.1	3.71	0.77
04.20.2021	15:40:45	S	3348.01	W	1431.54	2.8	3.96	141	3.19	35.4	5.5	2.5	21.9	3.72	0.76
04.20.2021	15:41:45	S	3348.02	W	1431.3	2.8	3.96	141	3.19	35.4	5.4	2.5	21.9	3.71	0.76
04.20.2021	15:42:45	S	3348.03	W	1431.06	2.8	3.96	141	3.19	35.4	5.6	2.5	21.8	3.65	0.75
04.20.2021	15:43:45	S	3348.04	W	1430.84	2.8	3.96	141	3.19	35.4	5.9	2.6	21.5	3.71	0.75
04.20.2021	15:44:45	S	3348.04	W	1430.57	2.8	3.96	141	3.19	35.4	6.0	2.6	22.1	3.77	0.75
04.20.2021	15:45:45	S	3348.05	W	1430.35	2.8	3.96	141	3.19	35.4	5.6	2.6	22.0	3.73	0.76
04.20.2021	15:46:45	S	3348.06	W	1430.1	2.8	3.96	141	3.19	35.4	5.6	2.6	21.9	3.76	0.76
04.20.2021	15:47:45	S	3348.07	W	1429.86	2.8	3.96	141	3.19	35.4	5.5	2.7	21.7	3.73	0.76
04.20.2021	15:48:45	S	3348.08	W	1429.6	2.8	3.96	141	3.19	35.4	5.6	2.6	21.8	3.76	0.75
04.20.2021	15:49:45	S	3348.08	W	1429.38	2.8	3.96	141	3.19	35.4	5.4	2.6	22.0	3.72	0.75

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	15:50:45	S	3348.09	W	1429.14	2.8	3.96	141	3.19	35.4	5.4	2.6	21.9	3.56	0.73
04.20.2021	15:51:45	S	3348.1	W	1428.87	2.8	3.96	141	3.19	35.4	5.3	2.6	22.1	3.71	0.76
04.20.2021	15:52:45	S	3348.11	W	1428.62	2.8	3.96	141	3.19	35.4	5.2	2.7	21.9	3.69	0.76
04.20.2021	15:53:45	S	3348.12	W	1428.39	2.8	3.96	141	3.19	35.4	5.2	2.7	22.1	3.65	0.77
04.20.2021	15:54:45	S	3348.12	W	1428.15	2.8	3.96	141	3.19	35.4	5.1	2.6	22.3	3.77	0.74
04.20.2021	15:55:45	S	3348.13	W	1427.91	2.8	3.96	141	3.19	35.4	5.2	2.6	22.2	3.74	0.74
04.20.2021	15:56:45	S	3348.14	W	1427.66	2.8	3.96	141	3.19	35.4	5.0	2.6	22.2	3.74	0.83
04.20.2021	15:57:45	S	3348.15	W	1427.45	2.8	3.96	141	3.19	35.4	5.1	2.6	22.2	3.71	0.74
04.20.2021	15:58:45	S	3348.16	W	1427.2	2.8	3.96	141	3.19	35.4	5.0	2.5	22.3	3.75	0.76
04.20.2021	15:59:45	S	3348.16	W	1427	2.8	3.96	141	3.19	35.4	5.0	2.4	22.2	3.67	0.74
04.20.2021	16:00:45	S	3348.17	W	1426.75	2.8	3.96	141	3.19	35.4	5.1	2.4	22.1	3.73	0.72
04.20.2021	16:01:45	S	3348.18	W	1426.51	2.8	3.96	141	3.19	35.4	4.9	2.4	22.2	3.75	0.76
04.20.2021	16:02:45	S	3348.19	W	1426.28	2.8	3.96	141	3.19	35.4	4.9	2.3	22.3	3.70	0.75
04.20.2021	16:03:45	S	3348.2	W	1426.02	2.8	3.96	141	3.19	35.4	5.0	2.3	22.6	3.74	0.76
04.20.2021	16:04:45	S	3348.21	W	1425.81	2.8	3.96	141	3.19	35.4	4.9	2.3	22.3	3.78	0.77
04.20.2021	16:05:45	S	3348.22	W	1425.57	2.8	3.96	141	3.19	35.4	4.8	2.3	22.3	3.72	0.71
04.20.2021	16:06:45	S	3348.24	W	1425.32	2.8	3.96	141	3.19	35.4	4.9	2.2	22.2	3.75	0.74
04.20.2021	16:07:45	S	3348.25	W	1425.07	2.8	3.96	141	3.19	35.4	4.9	2.2	22.1	3.77	0.78
04.20.2021	16:08:45	S	3348.27	W	1424.84	2.8	3.96	141	3.19	35.4	4.9	2.2	22.0	3.69	0.70
04.20.2021	16:09:45	S	3348.28	W	1424.62	2.8	3.96	141	3.19	35.4	4.9	2.2	22.1	3.74	0.76
04.20.2021	16:10:51	S	3348.3	W	1424.37	2.8	3.96	141	3.19	35.4	4.9	2.1	22.2	3.71	0.74
04.20.2021	16:11:51	S	3348.31	W	1424.15	2.8	3.96	141	3.19	35.4	5.0	2.1	22.4	3.78	0.78
04.20.2021	16:12:51	S	3348.33	W	1423.91	2.8	3.96	141	3.19	35.4	4.9	2.1	22.1	3.74	0.77
04.20.2021	16:13:51	S	3348.34	W	1423.67	2.8	3.96	141	3.19	35.4	5.0	2.1	22.3	3.71	0.77
04.20.2021	16:14:51	S	3348.36	W	1423.42	2.8	3.96	141	3.19	35.4	4.9	2.1	22.1	3.74	0.73
04.20.2021	16:15:51	S	3348.37	W	1423.19	2.8	3.96	141	3.19	35.4	4.8	2.1	22.1	3.74	0.71
04.20.2021	16:16:51	S	3348.38	W	1422.94	2.8	3.96	141	3.19	35.4	4.9	2.1	22.2	3.78	0.75
04.20.2021	16:17:51	S	3348.4	W	1422.7	2.8	3.96	141	3.19	35.4	4.9	2.1	22.0	3.76	0.75
04.20.2021	16:18:51	S	3348.41	W	1422.47	2.8	3.96	141	3.19	35.4	4.9	2.1	21.9	3.70	0.75
04.20.2021	16:19:51	S	3348.43	W	1422.26	2.8	3.96	141	3.19	35.4	4.9	2.1	21.9	3.76	0.74
04.20.2021	16:20:51	S	3348.45	W	1421.99	2.8	3.96	141	3.19	35.4	4.8	2.1	22.1	3.75	0.77
04.20.2021	16:21:51	S	3348.46	W	1421.75	2.8	3.96	141	3.19	35.4	4.8	2.1	22.2	3.74	0.75
04.20.2021	16:22:51	S	3348.47	W	1421.54	2.8	3.96	141	3.19	35.4	4.8	2.1	22.1	3.77	0.71
04.20.2021	16:23:51	S	3348.49	W	1421.29	2.8	3.96	141	3.19	35.4	5.0	2.1	22.3	3.67	0.73
04.20.2021	16:24:51	S	3348.51	W	1421.04	2.8	3.96	141	3.19	35.4	4.9	2.1	22.2	3.75	0.78
04.20.2021	16:25:51	S	3348.53	W	1420.82	2.8	3.96	141	3.19	35.4	4.9	2.1	22.0	3.72	0.73
04.20.2021	16:26:51	S	3348.54	W	1420.6	2.8	3.96	141	3.19	35.4	4.8	2.1	22.0	3.76	0.75
04.20.2021	16:27:51	S	3348.56	W	1420.34	2.8	3.96	141	3.19	35.4	4.8	2.1	22.2	3.79	0.75

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	16:28:51	S	3348.57	W	1420.14	2.8	3.96	141	3.19	35.4	4.8	2.1	22.2	3.59	0.74	
04.20.2021	16:29:51	S	3348.58	W	1419.88	2.8	3.96	141	3.19	35.4	4.8	2.0	22.2	3.75	0.73	
04.20.2021	16:30:45	S	3348.6	W	1419.64	2.8	3.96	141	3.19	35.4	4.8	2.0	22.3	3.65	0.73	
04.20.2021	16:31:45	S	3348.62	W	1419.42	2.8	3.96	141	3.19	35.4	4.9	2.0	22.1	3.75	0.74	
04.20.2021	16:32:45	S	3348.64	W	1419.19	2.8	3.96	141	3.19	35.4	4.8	2.0	22.0	3.76	0.72	
04.20.2021	16:33:45	S	3348.65	W	1418.95	2.8	3.96	141	3.19	35.4	4.8	2.0	22.0	3.76	0.74	
04.20.2021	16:34:45	S	3348.67	W	1418.7	2.8	3.96	141	3.19	35.4	4.7	2.0	21.9	3.75	0.78	
04.20.2021	16:35:45	S	3348.68	W	1418.5	2.8	3.96	141	3.19	35.4	4.7	2.0	22.0	3.78	0.73	
04.20.2021	16:36:45	S	3348.69	W	1418.23	2.8	3.96	141	3.19	35.4	4.7	2.0	22.0	3.79	0.73	
04.20.2021	16:37:45	S	3348.7	W	1418.02	2.8	3.96	141	3.19	35.4	4.8	2.0	22.0	3.76	0.75	
04.20.2021	16:38:45	S	3348.72	W	1417.77	2.8	3.96	141	3.19	35.4	4.7	2.0	22.0	3.74	0.75	
04.20.2021	16:39:45	S	3348.74	W	1417.54	2.8	3.96	141	3.19	35.4	4.7	2.0	22.0	3.71	0.76	
04.20.2021	16:40:49	S	3348.75	W	1417.29	2.8	3.96	141	3.19	35.4	4.8	2.0	21.9	3.75	0.76	
04.20.2021	16:41:49	S	3348.77	W	1417.05	2.8	3.96	141	3.19	35.4	4.8	2.0	21.9	3.72	0.74	
04.20.2021	16:42:49	S	3348.79	W	1416.82	2.8	3.96	141	3.19	35.4	4.9	2.0	21.9	3.78	0.76	
04.20.2021	16:43:49	S	3348.8	W	1416.59	2.8	3.96	141	3.19	35.4	4.7	2.0	22.0	3.71	0.76	
04.20.2021	16:44:49	S	3348.82	W	1416.35	2.8	3.96	141	3.19	35.4	4.7	2.0	22.1	3.72	0.74	
04.20.2021	16:45:49	S	3348.83	W	1416.13	2.8	3.96	141	3.19	35.4	4.7	2.0	22.1	3.69	0.76	
04.20.2021	16:46:49	S	3348.85	W	1415.89	2.8	3.96	141	3.19	35.4	4.7	2.0	22.1	3.72	0.78	
04.20.2021	16:47:49	S	3348.85	W	1415.64	2.8	3.96	141	3.19	35.4	4.6	1.9	22.1	3.68	0.75	
04.20.2021	16:48:49	S	3348.85	W	1415.43	2.8	3.96	141	3.19	35.4	4.7	1.8	22.3	3.74	0.75	
04.20.2021	16:49:49	S	3348.85	W	1415.2	2.8	3.96	141	3.19	35.4	4.7	1.8	22.3	3.79	0.73	
04.20.2021	16:50:53	S	3348.85	W	1414.94	2.8	3.96	141	3.19	35.4	4.7	1.8	22.1	3.76	0.71	
04.20.2021	16:51:53	S	3348.85	W	1414.69	2.8	3.96	141	3.19	35.4	4.7	1.8	22.3	3.82	0.78	
04.20.2021	16:52:53	S	3348.85	W	1414.48	2.8	3.96	141	3.19	35.4	4.7	1.8	22.2	3.74	0.74	
04.20.2021	16:53:53	S	3348.86	W	1414.25	2.8	3.96	141	3.19	35.4	4.7	1.8	22.1	3.72	0.73	
04.20.2021	16:54:53	S	3348.86	W	1414	2.8	3.96	141	3.19	35.4	4.7	1.8	22.1	3.73	0.72	
04.20.2021	16:55:53	S	3348.86	W	1413.75	2.8	3.96	141	3.19	35.4	4.7	1.8	22.2	3.74	0.76	
04.20.2021	16:56:53	S	3348.86	W	1413.54	2.8	3.96	141	3.19	35.4	4.6	1.8	22.1	3.76	0.75	
04.20.2021	16:57:53	S	3348.86	W	1413.28	2.8	3.96	141	3.19	35.4	4.6	1.7	22.0	3.71	0.76	
04.20.2021	16:58:53	S	3348.86	W	1413.05	2.8	3.96	141	3.19	35.4	4.6	1.7	22.0	3.73	0.72	
04.20.2021	16:59:53	S	3348.86	W	1412.83	2.8	3.96	141	3.19	35.4	4.6	1.7	21.9	3.73	0.75	
04.20.2021	17:00:46	S	3348.87	W	1412.59	2.8	3.96	141	3.19	35.4	4.7	1.7	22.0	3.74	0.78	
04.20.2021	17:01:46	S	3348.88	W	1412.36	2.8	3.96	141	3.19	35.4	4.7	1.7	21.9	3.66	0.76	
04.20.2021	17:02:46	S	3348.88	W	1412.11	2.8	3.96	141	3.19	35.4	4.6	1.8	21.8	3.73	0.75	
04.20.2021	17:03:46	S	3348.89	W	1411.88	2.8	3.96	141	3.19	35.4	4.6	1.8	21.9	3.72	1.01	
04.20.2021	17:04:46	S	3348.9	W	1411.63	2.8	3.96	141	3.19	35.4	4.6	1.8	21.9	3.77	0.75	
04.20.2021	17:05:46	S	3348.9	W	1411.42	2.8	3.96	141	3.19	35.4	4.6	1.8	21.8	3.76	0.76	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087					System Name: PaSOx_smart2.0					Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	17:06:46	S	3348.91	W	1411.19	2.8	3.96	141	3.19	35.4	4.6	1.8	21.8	3.73	0.75
04.20.2021	17:07:46	S	3348.91	W	1410.94	2.8	3.96	141	3.19	35.4	4.6	1.8	21.8	3.70	0.76
04.20.2021	17:08:46	S	3348.91	W	1410.71	2.8	3.96	141	3.19	35.4	4.7	1.8	21.8	3.68	0.75
04.20.2021	17:09:46	S	3348.91	W	1410.49	2.8	3.96	141	3.19	35.4	4.7	1.8	21.7	3.75	0.76
04.20.2021	17:10:52	S	3348.92	W	1410.25	2.8	3.96	141	3.19	35.4	4.7	1.8	21.6	3.76	0.74
04.20.2021	17:11:52	S	3348.93	W	1409.99	2.8	3.96	141	3.19	35.4	4.8	1.8	21.7	3.72	0.75
04.20.2021	17:12:52	S	3348.94	W	1409.75	2.8	3.96	141	3.19	35.4	4.8	1.9	21.6	3.76	0.75
04.20.2021	17:13:52	S	3348.95	W	1409.52	2.8	3.96	141	3.19	35.4	4.8	1.8	21.6	3.76	0.75
04.20.2021	17:14:52	S	3348.95	W	1409.31	2.8	3.96	141	3.19	35.4	4.8	1.8	21.9	3.74	0.75
04.20.2021	17:15:52	S	3348.97	W	1409.04	2.8	3.96	141	3.19	35.4	4.8	1.8	21.8	3.71	0.77
04.20.2021	17:16:52	S	3348.98	W	1408.79	2.8	3.96	141	3.19	35.4	4.8	1.8	21.7	3.75	0.73
04.20.2021	17:17:52	S	3349	W	1408.57	2.8	3.96	141	3.19	35.4	4.7	1.8	22.0	3.70	0.76
04.20.2021	17:18:52	S	3349.01	W	1408.35	2.8	3.96	141	3.19	35.4	4.7	1.8	21.9	3.76	0.75
04.20.2021	17:19:52	S	3349.02	W	1408.1	2.8	3.96	141	3.19	35.4	4.7	1.9	22.0	3.74	0.74
04.20.2021	17:20:48	S	3349.03	W	1407.87	2.8	3.96	141	3.19	35.4	4.7	1.9	21.9	3.75	0.73
04.20.2021	17:21:48	S	3349.03	W	1407.64	2.8	3.96	141	3.19	35.4	4.7	1.9	21.9	3.68	0.76
04.20.2021	17:22:48	S	3349.04	W	1407.42	2.8	3.96	141	0.00	0.0	0.0	1.8	0.0	3.69	0.76
04.20.2021	17:23:48	S	3349.05	W	1407.18	2.8	3.96	141	3.19	35.4	4.8	1.8	21.7	3.66	0.75
04.20.2021	17:24:48	S	3349.06	W	1406.94	2.8	3.96	141	3.19	35.4	4.7	1.8	21.8	3.72	0.76
04.20.2021	17:25:48	S	3349.07	W	1406.7	2.8	3.96	141	3.19	35.4	4.7	1.8	21.7	3.81	0.77
04.20.2021	17:26:48	S	3349.09	W	1406.45	2.8	3.96	141	3.19	35.4	4.6	1.8	21.7	3.77	0.78
04.20.2021	17:27:48	S	3349.1	W	1406.25	2.8	3.96	141	3.19	35.4	4.7	1.8	21.8	3.76	0.75
04.20.2021	17:28:48	S	3349.11	W	1406.03	2.8	3.96	141	3.19	35.4	4.6	1.9	21.6	3.73	0.73
04.20.2021	17:29:48	S	3349.12	W	1405.79	2.8	3.96	141	3.19	35.4	4.6	1.8	21.5	3.74	0.79
04.20.2021	17:30:43	S	3349.13	W	1405.55	2.8	3.96	141	3.19	35.4	4.7	1.8	21.5	3.76	0.75
04.20.2021	17:31:43	S	3349.14	W	1405.31	2.8	3.96	141	3.19	35.4	4.7	1.8	21.6	3.77	0.74
04.20.2021	17:32:43	S	3349.16	W	1405.09	2.8	3.96	141	3.19	35.4	4.7	1.8	21.7	3.69	0.76
04.20.2021	17:33:43	S	3349.17	W	1404.85	2.8	3.96	141	3.19	35.4	4.8	1.8	21.7	3.80	0.75
04.20.2021	17:34:43	S	3349.18	W	1404.61	2.8	3.96	141	3.19	35.4	4.7	1.8	21.6	3.78	0.77
04.20.2021	17:35:43	S	3349.19	W	1404.37	2.8	3.96	141	3.19	35.4	4.7	1.8	21.9	3.73	0.76
04.20.2021	17:36:43	S	3349.19	W	1404.32	2.8	3.96	141	3.19	35.4	4.7	1.8	21.8	3.69	0.73
04.20.2021	17:37:43	S	3349.21	W	1403.88	2.8	3.96	141	3.19	35.4	4.6	1.8	21.6	3.70	0.75
04.20.2021	17:38:43	S	3349.21	W	1403.64	2.8	3.96	141	3.19	35.4	4.6	1.8	21.7	3.67	0.75
04.20.2021	17:39:43	S	3349.22	W	1403.43	2.8	3.96	141	3.19	35.4	4.6	1.8	21.6	3.68	0.76
04.20.2021	17:40:50	S	3349.23	W	1403.18	2.8	3.96	141	3.19	35.4	4.6	1.8	21.5	3.68	0.74
04.20.2021	17:41:50	S	3349.24	W	1402.95	2.8	3.96	141	3.19	35.4	4.6	1.8	21.7	3.79	0.76
04.20.2021	17:42:50	S	3349.25	W	1402.71	2.8	3.96	141	3.19	35.4	4.5	1.8	21.7	3.69	0.75
04.20.2021	17:43:50	S	3349.26	W	1402.46	2.8	3.96	141	3.19	35.4	4.5	1.8	21.8	3.74	0.74

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	17:44:50	S	3349.26	W	1402.25	2.8	3.96	141	3.19	35.4	4.5	1.8	21.7	3.76	0.76
04.20.2021	17:45:50	S	3349.27	W	1401.98	2.8	3.96	141	3.19	35.4	4.5	1.8	21.6	3.87	0.71
04.20.2021	17:46:50	S	3349.28	W	1401.75	2.8	3.96	141	3.19	35.4	4.6	1.8	21.8	3.74	0.75
04.20.2021	17:47:50	S	3349.28	W	1401.57	2.8	3.96	141	3.19	35.4	4.5	1.8	21.9	3.73	0.74
04.20.2021	17:48:50	S	3349.29	W	1401.31	2.8	3.96	141	3.19	35.4	4.5	1.8	22.0	3.79	0.78
04.20.2021	17:49:50	S	3349.29	W	1401.09	2.8	3.96	141	3.19	35.4	4.5	1.8	22.0	3.80	0.76
04.20.2021	17:50:52	S	3349.3	W	1400.85	2.8	3.96	141	3.19	35.4	4.5	1.8	21.9	3.75	0.77
04.20.2021	17:51:52	S	3349.31	W	1400.6	2.8	3.96	141	3.19	35.4	4.5	1.7	21.9	3.73	0.75
04.20.2021	17:52:52	S	3349.32	W	1400.38	2.8	3.96	141	3.19	35.4	4.5	1.7	21.8	3.74	0.76
04.20.2021	17:53:52	S	3349.32	W	1400.14	2.8	3.96	141	3.19	35.4	4.5	1.7	21.8	3.72	0.73
04.20.2021	17:54:52	S	3349.33	W	1359.9	2.8	3.96	141	3.19	35.4	4.5	1.7	21.8	3.68	0.75
04.20.2021	17:55:52	S	3349.33	W	1359.69	2.8	3.96	141	3.19	35.4	4.6	1.7	21.9	3.66	0.72
04.20.2021	17:56:52	S	3349.34	W	1359.42	2.8	3.96	141	3.19	35.4	4.6	1.7	21.9	3.74	0.73
04.20.2021	17:57:52	S	3349.34	W	1359.19	2.8	3.96	141	3.19	35.4	4.6	1.7	21.9	3.72	0.75
04.20.2021	17:58:52	S	3349.34	W	1358.94	2.8	3.96	141	3.19	35.4	4.6	1.7	21.8	3.79	0.77
04.20.2021	17:59:52	S	3349.35	W	1358.74	2.8	3.96	141	3.19	35.4	4.6	1.7	21.8	3.75	0.73
04.20.2021	18:00:46	S	3349.35	W	1358.49	2.8	3.96	141	3.19	35.4	4.6	1.7	21.9	3.75	0.80
04.20.2021	18:01:46	S	3349.36	W	1358.25	2.8	3.96	141	3.19	35.4	4.6	1.7	21.7	3.78	0.73
04.20.2021	18:02:46	S	3349.37	W	1358.03	2.8	3.96	141	3.19	35.4	4.6	1.7	21.6	3.74	0.74
04.20.2021	18:03:46	S	3349.37	W	1357.8	2.8	3.96	141	3.19	35.4	4.6	1.7	21.5	3.77	0.76
04.20.2021	18:04:46	S	3349.38	W	1357.53	2.8	3.96	141	3.19	35.4	4.6	1.7	21.6	3.75	0.74
04.20.2021	18:05:46	S	3349.38	W	1357.31	2.8	3.96	141	3.19	35.4	4.6	1.7	21.8	3.72	0.72
04.20.2021	18:06:46	S	3349.38	W	1357.08	2.8	3.96	141	3.19	35.4	4.7	1.8	21.9	3.72	0.74
04.20.2021	18:07:46	S	3349.38	W	1356.83	2.8	3.96	141	3.19	35.4	4.6	1.8	21.8	3.74	0.75
04.20.2021	18:08:46	S	3349.38	W	1356.59	2.8	3.96	141	3.19	35.4	4.6	1.8	22.0	3.71	0.77
04.20.2021	18:09:46	S	3349.39	W	1356.38	2.8	3.96	141	3.19	35.4	4.6	1.8	22.1	3.70	0.75
04.20.2021	18:10:46	S	3349.39	W	1356.12	2.8	3.96	141	3.19	35.4	4.6	1.8	22.0	3.67	0.74
04.20.2021	18:11:46	S	3349.4	W	1355.92	2.8	3.96	141	3.19	35.4	4.5	1.8	21.9	3.69	0.78
04.20.2021	18:12:46	S	3349.41	W	1355.66	2.8	3.96	141	3.19	35.4	4.5	1.8	21.9	3.71	0.74
04.20.2021	18:13:46	S	3349.42	W	1355.41	2.8	3.96	141	3.19	35.4	4.5	1.8	21.9	3.74	0.72
04.20.2021	18:14:46	S	3349.44	W	1355.18	2.8	3.96	141	3.19	35.4	4.5	1.8	21.8	3.76	0.76
04.20.2021	18:15:46	S	3349.44	W	1354.96	2.8	3.96	141	3.19	35.4	4.5	1.8	21.8	3.76	0.75
04.20.2021	18:16:46	S	3349.45	W	1354.71	2.8	3.96	141	3.19	35.4	4.5	1.8	21.9	3.75	0.74
04.20.2021	18:17:46	S	3349.45	W	1354.48	2.8	3.96	141	3.19	35.4	4.5	1.8	21.9	3.74	0.74
04.20.2021	18:18:46	S	3349.46	W	1354.23	2.8	3.96	141	3.19	35.4	4.5	1.7	22.0	3.72	0.74
04.20.2021	18:19:46	S	3349.47	W	1354.01	2.8	3.96	141	3.19	35.4	4.6	1.7	22.1	3.69	0.72
04.20.2021	18:20:50	S	3349.48	W	1353.78	2.8	3.96	141	3.19	35.4	4.6	1.7	22.0	3.80	0.76
04.20.2021	18:21:50	S	3349.49	W	1353.56	2.8	3.96	141	3.19	35.4	4.5	1.7	21.8	3.74	0.74

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	18:22:50	S	3349.5	W	1353.3	2.8	3.96	141	3.19	35.4	4.4	1.7	21.7	3.69	0.76	
04.20.2021	18:23:50	S	3349.51	W	1353.07	2.8	3.96	141	3.19	35.4	4.4	1.7	21.7	3.75	0.73	
04.20.2021	18:24:50	S	3349.51	W	1352.86	2.8	3.96	141	3.19	35.4	4.5	1.6	21.8	3.72	0.72	
04.20.2021	18:25:50	S	3349.52	W	1352.61	2.8	3.96	141	3.19	35.4	4.4	1.5	22.0	3.72	0.75	
04.20.2021	18:26:50	S	3349.54	W	1352.39	2.8	3.96	141	3.19	35.4	4.4	1.5	21.9	3.63	0.73	
04.20.2021	18:27:50	S	3349.55	W	1352.12	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.73	0.75	
04.20.2021	18:28:50	S	3349.56	W	1351.89	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.77	0.75	
04.20.2021	18:29:50	S	3349.57	W	1351.67	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.77	0.74	
04.20.2021	18:30:49	S	3349.58	W	1351.41	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.71	0.74	
04.20.2021	18:31:49	S	3349.59	W	1351.2	2.8	3.96	141	3.19	35.4	4.6	1.5	22.1	3.73	0.76	
04.20.2021	18:32:49	S	3349.6	W	1350.98	2.8	3.96	141	3.19	35.4	4.5	1.5	22.2	3.76	0.78	
04.20.2021	18:33:49	S	3349.61	W	1350.74	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.74	0.75	
04.20.2021	18:34:49	S	3349.62	W	1350.5	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.80	0.76	
04.20.2021	18:35:49	S	3349.63	W	1350.27	2.8	3.96	141	0.00	0.0	0.0	1.5	0.0	3.76	0.72	
04.20.2021	18:36:49	S	3349.64	W	1350.04	2.8	3.96	141	3.19	35.4	4.5	1.5	21.7	3.75	0.77	
04.20.2021	18:37:49	S	3349.65	W	1349.78	2.8	3.96	141	3.19	35.4	4.6	1.5	21.8	3.75	0.77	
04.20.2021	18:38:49	S	3349.66	W	1349.56	2.8	3.96	141	3.19	35.4	5.5	1.5	21.8	3.72	0.74	
04.20.2021	18:39:49	S	3349.67	W	1349.31	2.8	3.96	141	3.19	35.4	5.8	1.7	21.7	3.76	0.77	
04.20.2021	18:40:49	S	3349.69	W	1349.09	2.8	3.96	141	3.19	35.4	5.3	1.8	21.8	3.73	0.74	
04.20.2021	18:41:49	S	3349.7	W	1348.88	2.8	3.96	141	3.19	35.4	5.0	1.9	21.9	3.68	0.61	
04.20.2021	18:42:49	S	3349.71	W	1348.59	2.8	3.96	141	3.19	35.4	4.7	1.9	21.7	3.69	0.76	
04.20.2021	18:43:49	S	3349.72	W	1348.37	2.8	3.96	141	3.19	35.4	4.6	1.9	21.8	3.72	0.73	
04.20.2021	18:44:49	S	3349.73	W	1348.15	2.8	3.96	141	3.19	35.4	4.5	1.9	21.7	3.70	0.77	
04.20.2021	18:45:49	S	3349.74	W	1347.9	2.8	3.96	141	0.00	0.0	0.0	1.9	0.0	3.77	0.75	
04.20.2021	18:46:49	S	3349.75	W	1347.67	2.8	3.96	141	3.19	35.4	4.5	1.9	21.5	3.65	0.77	
04.20.2021	18:47:49	S	3349.76	W	1347.43	2.8	3.96	141	3.19	35.4	4.5	1.9	21.6	3.74	0.73	
04.20.2021	18:48:49	S	3349.78	W	1347.2	2.8	3.96	141	3.19	35.4	4.5	1.9	21.4	3.76	0.75	
04.20.2021	18:49:49	S	3349.79	W	1346.96	2.8	3.96	141	3.19	35.4	4.5	1.9	21.6	3.73	0.76	
04.20.2021	18:50:53	S	3349.8	W	1346.7	2.8	3.96	141	3.19	35.4	4.6	1.9	21.7	3.75	0.76	
04.20.2021	18:51:53	S	3349.82	W	1346.45	2.8	3.96	141	3.19	35.4	4.5	1.9	21.7	3.75	0.76	
04.20.2021	18:52:53	S	3349.83	W	1346.26	2.8	3.96	141	3.19	35.4	4.5	1.9	21.8	3.81	0.79	
04.20.2021	18:53:53	S	3349.83	W	1346.26	2.8	3.96	141	3.19	35.4	4.5	1.9	21.9	3.78	0.77	
04.20.2021	18:54:53	S	3349.87	W	1345.75	2.8	3.96	141	3.19	35.4	4.6	1.8	21.9	3.70	0.75	
04.20.2021	18:55:53	S	3349.88	W	1345.52	2.8	3.96	141	3.19	35.4	4.5	1.7	21.9	3.74	0.77	
04.20.2021	18:56:53	S	3349.89	W	1345.3	2.8	3.96	141	3.19	35.4	4.5	1.7	21.8	3.74	0.75	
04.20.2021	18:57:53	S	3349.91	W	1345.05	2.8	3.96	141	3.19	35.4	4.6	1.7	21.9	3.70	0.76	
04.20.2021	18:58:53	S	3349.92	W	1344.79	2.8	3.96	141	3.19	35.4	4.6	1.7	21.7	3.70	0.73	
04.20.2021	18:59:53	S	3349.94	W	1344.54	2.8	3.96	141	3.19	35.4	4.6	1.7	21.8	3.70	0.78	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	19:00:53	S	3349.95	W	1344.31	2.8	3.96	141	3.19	35.4	4.6	1.7	21.7	3.75	0.74
04.20.2021	19:01:53	S	3349.97	W	1344.05	2.8	3.96	141	3.19	35.4	4.6	1.8	21.7	3.77	0.74
04.20.2021	19:02:53	S	3349.98	W	1343.82	2.8	3.96	141	3.19	35.4	4.6	1.8	21.8	3.76	0.73
04.20.2021	19:03:53	S	3350	W	1343.58	2.8	3.96	141	3.19	35.4	4.6	1.7	21.9	3.78	0.75
04.20.2021	19:04:53	S	3350.02	W	1343.35	2.8	3.96	141	3.19	35.4	4.5	1.7	22.0	3.79	0.75
04.20.2021	19:05:53	S	3350.04	W	1343.08	2.8	3.96	141	3.19	35.4	4.5	1.7	21.9	3.74	0.75
04.20.2021	19:06:53	S	3350.05	W	1342.88	2.8	3.96	141	3.19	35.4	4.5	1.7	21.9	3.74	0.76
04.20.2021	19:07:53	S	3350.07	W	1342.63	2.8	3.96	141	3.19	35.4	4.5	1.7	22.1	3.77	0.76
04.20.2021	19:08:53	S	3350.08	W	1342.41	2.8	3.96	141	3.19	35.4	4.5	1.7	22.1	3.77	0.76
04.20.2021	19:09:53	S	3350.09	W	1342.14	2.8	3.96	141	3.19	35.4	4.4	1.7	22.2	3.71	0.76
04.20.2021	19:10:47	S	3350.1	W	1341.91	2.8	3.96	141	3.19	35.4	4.5	1.7	22.1	3.78	0.75
04.20.2021	19:11:47	S	3350.12	W	1341.68	2.8	3.96	141	3.19	35.4	4.5	1.7	22.1	3.75	0.77
04.20.2021	19:12:47	S	3350.13	W	1341.44	2.8	3.96	141	3.19	35.4	4.5	1.6	21.8	3.67	0.75
04.20.2021	19:13:47	S	3350.14	W	1341.18	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.71	0.75
04.20.2021	19:14:47	S	3350.16	W	1340.96	2.8	3.96	141	3.19	35.4	4.4	1.6	21.9	3.67	0.77
04.20.2021	19:15:47	S	3350.17	W	1340.73	2.8	3.96	141	3.19	35.4	4.4	1.6	22.0	3.70	0.75
04.20.2021	19:16:47	S	3350.18	W	1340.48	2.8	3.96	141	3.19	35.4	4.4	1.6	22.1	3.76	0.74
04.20.2021	19:17:47	S	3350.2	W	1340.21	2.8	3.96	141	3.19	35.4	4.5	1.6	22.1	3.78	0.74
04.20.2021	19:18:47	S	3350.21	W	1339.98	2.8	3.96	141	3.19	35.4	4.5	1.6	21.9	3.91	0.76
04.20.2021	19:19:47	S	3350.23	W	1339.73	2.8	3.96	141	3.19	35.4	4.4	1.6	22.0	3.74	0.75
04.20.2021	19:20:49	S	3350.24	W	1339.48	2.8	3.96	141	3.19	35.4	4.4	1.6	21.9	3.77	0.75
04.20.2021	19:21:49	S	3350.26	W	1339.27	2.8	3.96	141	3.19	35.4	4.4	1.5	22.0	3.73	0.71
04.20.2021	19:22:49	S	3350.28	W	1339	2.8	3.96	141	3.19	35.4	4.4	1.5	22.0	3.76	0.77
04.20.2021	19:23:49	S	3350.29	W	1338.77	2.8	3.96	141	3.19	35.4	4.5	1.5	22.1	3.71	0.71
04.20.2021	19:24:49	S	3350.3	W	1338.55	2.8	3.96	141	3.19	35.4	4.4	1.5	22.2	3.80	0.74
04.20.2021	19:25:49	S	3350.32	W	1338.3	2.8	3.96	141	3.19	35.4	4.5	1.5	22.2	3.72	0.72
04.20.2021	19:26:49	S	3350.34	W	1338.08	2.8	3.96	141	3.19	35.4	4.5	1.5	21.9	3.72	0.74
04.20.2021	19:27:49	S	3350.35	W	1337.83	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.77	0.77
04.20.2021	19:28:49	S	3350.37	W	1337.58	2.8	3.96	141	3.19	35.4	4.5	1.5	22.0	3.70	0.72
04.20.2021	19:29:49	S	3350.38	W	1337.39	2.8	3.96	141	3.19	35.4	4.5	1.5	22.3	3.74	0.79
04.20.2021	19:30:42	S	3350.4	W	1337.11	2.8	3.96	141	3.19	35.4	4.5	1.5	22.3	3.69	0.75
04.20.2021	19:31:42	S	3350.41	W	1336.9	2.8	3.96	141	3.19	35.4	4.4	1.5	22.1	3.70	0.78
04.20.2021	19:32:42	S	3350.42	W	1336.67	2.8	3.96	141	3.19	35.4	4.4	1.5	21.8	3.70	0.72
04.20.2021	19:33:42	S	3350.44	W	1336.4	2.8	3.96	141	3.19	35.4	4.4	1.5	21.8	3.77	0.77
04.20.2021	19:34:42	S	3350.46	W	1336.18	2.8	3.96	141	3.19	35.4	4.4	1.6	22.0	3.75	0.75
04.20.2021	19:35:42	S	3350.47	W	1335.91	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.75	0.75
04.20.2021	19:36:42	S	3350.48	W	1335.68	2.8	3.96	141	3.19	35.4	4.4	1.6	21.7	3.75	0.76
04.20.2021	19:37:42	S	3350.49	W	1335.43	2.8	3.96	141	3.19	35.4	4.4	1.6	21.5	3.68	0.75

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	19:38:42	S	3350.51	W	1335.24	2.8	3.96	141	3.19	35.4	4.4	1.6	21.4	3.74	0.77
04.20.2021	19:39:42	S	3350.53	W	1334.98	2.8	3.96	141	3.19	35.4	4.5	1.5	21.3	3.77	0.74
04.20.2021	19:40:47	S	3350.54	W	1334.75	2.8	3.96	141	3.19	35.4	4.4	1.6	21.3	3.78	0.75
04.20.2021	19:41:47	S	3350.56	W	1334.48	2.8	3.96	141	3.19	35.4	4.5	1.6	21.3	3.74	0.75
04.20.2021	19:42:47	S	3350.57	W	1334.24	2.8	3.96	141	3.19	35.4	4.4	1.6	21.5	3.77	0.76
04.20.2021	19:43:47	S	3350.59	W	1334.02	2.8	3.96	141	3.19	35.4	4.4	1.6	21.5	3.70	0.72
04.20.2021	19:44:47	S	3350.6	W	1333.75	2.8	3.96	141	3.19	35.4	4.5	1.6	21.4	3.69	0.73
04.20.2021	19:45:47	S	3350.62	W	1333.54	2.8	3.96	141	3.19	35.4	4.4	1.6	21.4	3.73	0.78
04.20.2021	19:46:47	S	3350.63	W	1333.31	2.8	3.96	141	3.19	35.4	4.5	1.6	21.5	3.75	0.77
04.20.2021	19:47:47	S	3350.64	W	1333.04	2.8	3.96	141	3.19	35.4	4.5	1.6	21.7	3.67	0.75
04.20.2021	19:48:47	S	3350.65	W	1332.79	2.8	3.96	141	3.19	35.4	4.5	1.6	21.7	3.75	0.76
04.20.2021	19:49:47	S	3350.65	W	1332.55	2.8	3.96	141	3.19	35.4	4.4	1.6	21.9	3.75	0.75
04.20.2021	19:50:53	S	3350.66	W	1332.32	2.8	3.96	141	3.19	35.4	4.5	1.5	21.8	3.75	0.76
04.20.2021	19:51:53	S	3350.67	W	1332.09	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.78	0.74
04.20.2021	19:52:53	S	3350.67	W	1331.83	2.8	3.96	141	3.19	35.4	4.5	1.6	21.6	3.78	0.77
04.20.2021	19:53:53	S	3350.68	W	1331.58	2.8	3.96	141	3.19	35.4	4.5	1.6	21.6	3.78	0.76
04.20.2021	19:54:53	S	3350.69	W	1331.34	2.8	3.96	141	3.19	35.4	4.5	1.6	21.6	3.75	0.74
04.20.2021	19:55:53	S	3350.71	W	1331.09	2.8	3.96	141	3.19	35.4	4.5	1.6	21.7	3.76	0.72
04.20.2021	19:56:53	S	3350.71	W	1330.88	2.8	3.96	141	3.19	35.4	4.4	1.6	21.9	3.74	0.75
04.20.2021	19:57:53	S	3350.7	W	1330.6	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.76	0.74
04.20.2021	19:58:53	S	3350.7	W	1330.38	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.72	0.72
04.20.2021	19:59:53	S	3350.7	W	1330.15	2.8	3.96	141	3.19	35.4	4.5	1.6	21.9	3.76	0.76
04.20.2021	20:00:52	S	3350.71	W	1329.92	2.8	3.96	141	3.19	35.4	4.5	1.6	21.7	3.74	0.73
04.20.2021	20:01:52	S	3350.71	W	1329.64	2.8	3.96	141	3.19	35.4	4.4	1.6	21.7	3.67	0.77
04.20.2021	20:02:52	S	3350.71	W	1329.38	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.67	0.73
04.20.2021	20:03:52	S	3350.72	W	1329.18	2.8	3.96	141	3.19	35.4	4.4	1.6	21.9	3.68	0.77
04.20.2021	20:04:52	S	3350.72	W	1328.93	2.8	3.96	141	3.19	35.4	4.4	1.6	21.9	3.74	0.75
04.20.2021	20:05:52	S	3350.73	W	1328.7	2.8	3.96	141	3.19	35.4	4.4	1.6	21.9	3.75	0.74
04.20.2021	20:06:52	S	3350.73	W	1328.45	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.79	0.74
04.20.2021	20:07:52	S	3350.73	W	1328.21	2.8	3.96	141	3.19	35.4	4.4	1.6	21.7	3.75	0.74
04.20.2021	20:08:52	S	3350.73	W	1327.96	2.8	3.96	141	3.19	35.4	4.4	1.6	21.8	3.76	0.75
04.20.2021	20:09:52	S	3350.73	W	1327.7	2.8	3.96	141	3.19	35.4	4.5	1.6	21.6	3.76	0.74
04.20.2021	20:10:50	S	3350.74	W	1327.46	2.8	3.96	141	3.19	35.4	4.4	1.6	21.6	3.80	0.77
04.20.2021	20:11:50	S	3350.75	W	1327.21	2.8	3.96	141	3.19	35.4	4.5	1.6	21.5	3.78	0.75
04.20.2021	20:12:50	S	3350.75	W	1327.01	2.8	3.96	141	3.19	35.4	4.4	1.6	21.5	3.73	0.76
04.20.2021	20:13:50	S	3350.75	W	1326.73	2.8	3.96	141	3.19	35.4	4.4	1.6	21.6	3.72	0.74
04.20.2021	20:14:50	S	3350.75	W	1326.5	2.8	3.96	141	3.19	35.4	4.4	1.6	21.6	3.74	0.75
04.20.2021	20:15:50	S	3350.75	W	1326.24	2.8	3.96	141	3.19	35.4	4.4	1.6	21.6	3.69	0.75

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	20:16:50	S	3350.75	W	1325.99	2.8	3.96	141	3.19	35.4	4.3	1.6	21.5	3.73	0.76
04.20.2021	20:17:50	S	3350.75	W	1325.79	2.8	3.96	141	3.19	35.4	4.4	1.6	21.2	3.63	0.73
04.20.2021	20:18:50	S	3350.75	W	1325.51	2.8	3.96	141	3.19	35.4	4.3	1.6	21.0	3.69	0.76
04.20.2021	20:19:50	S	3350.75	W	1325.29	2.8	3.96	141	3.19	35.4	4.4	1.6	21.1	3.63	0.73
04.20.2021	20:20:47	S	3350.75	W	1325.05	2.8	3.96	141	3.19	35.4	4.4	1.6	21.3	3.73	0.75
04.20.2021	20:21:47	S	3350.75	W	1324.77	2.8	3.96	141	3.19	35.4	4.4	1.6	21.4	3.74	0.74
04.20.2021	20:22:47	S	3350.74	W	1324.57	2.8	3.96	141	3.19	35.4	4.4	1.6	21.5	3.74	0.74
04.20.2021	20:23:47	S	3350.74	W	1324.31	2.8	3.96	141	3.19	35.4	4.4	1.6	21.5	3.76	0.74
04.20.2021	20:24:47	S	3350.73	W	1324.07	2.8	3.96	141	3.19	35.4	4.4	1.6	21.5	3.73	0.69
04.20.2021	20:25:47	S	3350.73	W	1323.81	2.8	3.96	141	3.19	35.4	4.3	1.6	21.3	3.74	0.74
04.20.2021	20:26:47	S	3350.72	W	1323.56	2.8	3.96	141	3.19	35.4	4.3	1.6	21.2	3.76	0.74
04.20.2021	20:27:47	S	3350.71	W	1323.31	2.8	3.96	141	3.19	35.4	4.3	1.6	21.3	3.75	0.76
04.20.2021	20:28:47	S	3350.71	W	1323.08	2.8	3.96	141	3.19	35.4	4.3	1.6	21.6	3.74	0.73
04.20.2021	20:29:47	S	3350.71	W	1322.84	2.8	3.96	141	3.19	35.4	4.3	1.6	21.4	3.77	0.74
04.20.2021	20:30:49	S	3350.7	W	1322.61	2.8	3.93	140	3.19	35.4	4.3	1.6	21.4	3.79	0.76
04.20.2021	20:31:49	S	3350.7	W	1322.37	2.8	3.93	140	3.19	35.4	4.4	1.6	21.4	3.77	0.75
04.20.2021	20:32:49	S	3350.7	W	1322.12	2.8	3.93	140	3.19	35.4	4.4	1.6	21.3	3.71	0.77
04.20.2021	20:33:49	S	3350.7	W	1321.87	2.8	3.92	139	3.19	35.4	4.4	1.6	21.4	3.70	0.76
04.20.2021	20:34:49	S	3350.7	W	1321.62	2.8	3.92	139	3.19	35.4	4.4	1.6	21.4	3.71	0.77
04.20.2021	20:35:49	S	3350.7	W	1321.39	2.8	3.92	139	3.19	35.4	4.4	1.6	21.4	3.77	0.77
04.20.2021	20:36:49	S	3350.71	W	1321.15	2.8	3.92	139	3.19	35.4	4.5	1.6	21.5	3.73	0.74
04.20.2021	20:37:49	S	3350.72	W	1320.89	2.8	3.92	139	3.19	35.4	4.4	1.6	21.4	3.75	0.74
04.20.2021	20:38:49	S	3350.72	W	1320.66	2.8	3.92	139	3.19	35.4	4.4	1.6	21.5	3.72	0.73
04.20.2021	20:39:49	S	3350.72	W	1320.41	2.8	3.92	139	3.19	35.4	4.4	1.6	21.6	3.75	0.74
04.20.2021	20:40:49	S	3350.72	W	1320.19	2.8	3.92	139	3.19	35.4	4.4	1.6	21.6	3.78	0.74
04.20.2021	20:41:49	S	3350.72	W	1319.94	2.8	3.92	139	3.19	35.4	4.5	1.6	21.6	3.79	0.77
04.20.2021	20:42:49	S	3350.72	W	1319.69	2.8	3.92	139	3.19	35.4	4.5	1.6	21.9	3.78	0.73
04.20.2021	20:43:49	S	3350.72	W	1319.47	2.8	3.92	139	3.19	35.4	4.4	1.6	21.8	3.78	0.78
04.20.2021	20:44:49	S	3350.72	W	1319.23	2.8	3.92	139	3.19	35.4	4.4	1.6	21.7	3.74	0.73
04.20.2021	20:45:49	S	3350.72	W	1318.99	2.8	3.92	139	3.19	35.4	4.4	1.6	21.8	3.79	0.73
04.20.2021	20:46:49	S	3350.72	W	1318.77	2.8	3.92	139	3.19	35.4	4.4	1.6	21.8	3.78	0.75
04.20.2021	20:47:49	S	3350.72	W	1318.5	2.8	3.92	139	3.19	35.4	4.4	1.6	21.7	3.76	0.74
04.20.2021	20:48:49	S	3350.73	W	1318.27	2.8	3.92	139	3.19	35.4	4.4	1.6	21.7	3.68	0.76
04.20.2021	20:49:49	S	3350.74	W	1318.01	2.8	3.92	139	3.19	35.4	4.5	1.6	21.6	3.67	0.75
04.20.2021	20:50:52	S	3350.75	W	1317.82	2.8	3.92	139	3.19	35.4	4.4	1.6	21.6	3.66	0.72
04.20.2021	20:51:52	S	3350.75	W	1317.53	2.8	3.92	139	3.19	35.4	4.4	1.6	21.4	3.70	0.75
04.20.2021	20:52:52	S	3350.76	W	1317.31	2.8	3.92	139	3.19	35.4	4.5	1.6	21.4	3.71	0.74
04.20.2021	20:53:52	S	3350.76	W	1317.09	2.8	3.92	139	3.19	35.4	4.5	1.6	21.5	3.76	0.75

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	20:54:52	S	3350.77	W	1316.84	2.8	3.92	139	3.19	35.4	4.5	1.5	21.6	3.76	0.74
04.20.2021	20:55:52	S	3350.77	W	1316.6	2.8	3.92	139	3.19	35.4	4.4	1.5	21.3	3.77	0.74
04.20.2021	20:56:52	S	3350.79	W	1316.36	2.8	3.92	139	3.19	35.4	4.5	1.5	21.1	3.75	0.73
04.20.2021	20:57:52	S	3350.82	W	1316.09	2.8	3.92	139	3.19	35.4	4.5	1.5	21.1	3.74	0.74
04.20.2021	20:58:52	S	3350.84	W	1315.86	2.8	3.92	139	3.19	35.4	4.5	1.5	21.0	3.71	0.75
04.20.2021	20:59:52	S	3350.85	W	1315.64	2.8	3.92	139	3.19	35.4	4.4	1.5	21.1	3.75	0.75
04.20.2021	21:00:47	S	3350.87	W	1315.4	2.8	3.92	139	3.19	35.4	4.4	1.5	21.2	3.74	0.73
04.20.2021	21:01:47	S	3350.89	W	1315.16	2.8	3.92	139	3.19	35.4	4.4	1.5	21.1	3.76	0.76
04.20.2021	21:02:47	S	3350.91	W	1314.89	2.8	3.92	139	3.19	35.4	4.4	1.6	21.1	3.70	0.73
04.20.2021	21:03:47	S	3350.93	W	1314.65	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.72	0.76
04.20.2021	21:04:47	S	3350.95	W	1314.43	2.8	3.92	139	3.19	35.4	4.4	1.6	21.0	3.75	0.77
04.20.2021	21:05:47	S	3350.97	W	1314.18	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.73	0.73
04.20.2021	21:06:47	S	3350.98	W	1313.95	2.8	3.92	139	3.19	35.4	4.4	1.6	21.0	3.71	0.77
04.20.2021	21:07:47	S	3351	W	1313.73	2.8	3.92	139	3.19	35.4	4.4	1.6	21.1	3.71	0.75
04.20.2021	21:08:47	S	3351.02	W	1313.47	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.73	0.75
04.20.2021	21:09:47	S	3351.04	W	1313.25	2.8	3.92	139	3.19	35.4	4.4	1.6	21.1	3.75	0.73
04.20.2021	21:10:48	S	3351.06	W	1313	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.72	0.74
04.20.2021	21:11:48	S	3351.08	W	1312.74	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.75	0.78
04.20.2021	21:12:48	S	3351.09	W	1312.63	2.8	3.92	139	3.19	35.4	4.4	1.6	21.0	3.76	0.71
04.20.2021	21:13:48	S	3351.09	W	1312.63	2.8	3.92	139	3.19	35.4	4.4	1.6	21.0	3.75	0.74
04.20.2021	21:14:48	S	3351.14	W	1312.01	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.76	0.75
04.20.2021	21:15:48	S	3351.16	W	1311.79	2.8	3.92	139	3.19	35.4	4.4	1.6	20.8	3.71	0.75
04.20.2021	21:16:48	S	3351.19	W	1311.53	2.8	3.92	139	3.19	35.4	4.4	1.6	20.8	3.71	0.72
04.20.2021	21:17:48	S	3351.21	W	1311.31	2.8	3.92	139	3.19	35.4	4.4	1.6	20.8	3.77	0.74
04.20.2021	21:18:48	S	3351.23	W	1311.08	2.8	3.92	139	3.19	35.4	4.5	1.6	20.7	3.70	0.73
04.20.2021	21:19:48	S	3351.24	W	1310.84	2.8	3.92	139	3.19	35.4	4.5	1.6	20.9	3.68	0.73
04.20.2021	21:20:49	S	3351.27	W	1310.6	2.8	3.92	139	3.19	35.4	4.5	1.6	20.9	3.69	0.76
04.20.2021	21:21:49	S	3351.29	W	1310.38	2.8	3.92	139	3.19	35.4	4.5	1.6	20.8	3.66	0.74
04.20.2021	21:22:49	S	3351.31	W	1310.13	2.8	3.92	139	3.19	35.4	4.5	1.6	20.5	3.65	0.74
04.20.2021	21:23:49	S	3351.34	W	1309.89	2.8	3.92	139	3.19	35.4	4.6	1.6	20.6	3.70	0.75
04.20.2021	21:24:49	S	3351.36	W	1309.65	2.8	3.92	139	3.19	35.4	4.6	1.7	20.6	3.81	0.74
04.20.2021	21:25:49	S	3351.38	W	1309.4	2.8	3.92	139	3.19	35.4	4.6	1.7	20.6	3.73	0.75
04.20.2021	21:26:49	S	3351.4	W	1309.16	2.8	3.92	139	3.19	35.4	4.5	1.7	20.6	3.80	0.77
04.20.2021	21:27:49	S	3351.43	W	1308.93	2.8	3.92	139	3.19	35.4	4.5	1.7	20.5	3.73	0.74
04.20.2021	21:28:49	S	3351.45	W	1308.68	2.8	3.92	139	3.19	35.4	4.4	1.7	20.6	3.74	0.76
04.20.2021	21:29:49	S	3351.47	W	1308.44	2.8	3.92	139	3.19	35.4	4.4	1.7	20.8	3.70	0.74
04.20.2021	21:30:52	S	3351.5	W	1308.21	2.8	3.92	139	3.19	35.4	4.4	1.7	20.9	3.74	0.74
04.20.2021	21:31:52	S	3351.51	W	1308	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.77	0.76

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	21:32:52	S	3351.54	W	1307.74	2.8	3.92	139	3.19	35.4	4.5	1.6	21.0	3.73	0.72	
04.20.2021	21:33:52	S	3351.56	W	1307.49	2.8	3.92	139	3.19	35.4	4.4	1.6	21.1	3.71	0.74	
04.20.2021	21:34:52	S	3351.58	W	1307.26	2.8	3.92	139	3.19	35.4	4.4	1.6	21.0	3.72	0.67	
04.20.2021	21:35:52	S	3351.6	W	1307.05	2.8	3.92	139	3.19	35.4	4.3	1.6	20.8	3.72	0.79	
04.20.2021	21:36:52	S	3351.61	W	1306.78	2.8	3.92	139	3.19	35.4	4.3	1.6	21.0	3.68	0.70	
04.20.2021	21:37:52	S	3351.63	W	1306.55	2.8	3.92	139	3.19	35.4	4.4	1.6	21.1	3.68	0.78	
04.20.2021	21:38:52	S	3351.63	W	1306.32	2.8	3.92	139	3.19	35.4	4.3	1.6	21.2	3.68	0.76	
04.20.2021	21:39:52	S	3351.63	W	1306.07	2.8	3.92	139	3.19	35.4	4.3	1.5	21.2	3.69	0.77	
04.20.2021	21:40:53	S	3351.62	W	1305.86	2.8	3.92	139	3.19	35.4	4.3	1.5	21.2	3.73	0.75	
04.20.2021	21:41:53	S	3351.61	W	1305.58	2.8	3.92	139	3.19	35.4	4.3	1.5	21.3	3.77	0.75	
04.20.2021	21:42:53	S	3351.61	W	1305.35	2.8	3.92	139	3.19	35.4	4.4	1.5	21.3	3.76	0.79	
04.20.2021	21:43:53	S	3351.62	W	1305.12	2.8	3.92	139	3.19	35.4	4.4	1.5	21.1	3.76	0.76	
04.20.2021	21:44:53	S	3351.62	W	1304.89	2.8	3.92	139	3.19	35.4	4.3	1.5	21.1	3.86	0.77	
04.20.2021	21:45:53	S	3351.61	W	1304.62	2.8	3.92	139	3.19	35.4	4.3	1.5	21.1	3.75	0.72	
04.20.2021	21:46:53	S	3351.61	W	1304.42	2.8	3.92	139	3.19	35.4	4.3	1.5	21.1	3.76	0.76	
04.20.2021	21:47:53	S	3351.6	W	1304.16	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.73	0.77	
04.20.2021	21:48:53	S	3351.6	W	1303.91	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.78	0.72	
04.20.2021	21:49:53	S	3351.59	W	1303.7	2.8	3.92	139	3.19	35.4	4.3	1.4	21.1	3.70	0.72	
04.20.2021	21:50:52	S	3351.59	W	1303.45	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.73	0.78	
04.20.2021	21:51:52	S	3351.58	W	1303.21	2.8	3.92	139	3.19	35.4	4.3	1.4	20.8	3.74	0.77	
04.20.2021	21:52:52	S	3351.58	W	1302.96	2.8	3.92	139	3.19	35.4	4.3	1.4	20.7	3.79	0.73	
04.20.2021	21:53:52	S	3351.57	W	1302.71	2.8	3.92	139	3.19	35.4	4.3	1.4	20.8	3.70	0.76	
04.20.2021	21:54:52	S	3351.58	W	1302.46	2.8	3.92	139	3.19	35.4	4.3	1.5	21.0	3.68	0.72	
04.20.2021	21:55:52	S	3351.58	W	1302.27	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.77	0.76	
04.20.2021	21:56:52	S	3351.59	W	1302	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.76	0.74	
04.20.2021	21:57:52	S	3351.59	W	1301.79	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.75	0.76	
04.20.2021	21:58:52	S	3351.6	W	1301.52	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.76	0.75	
04.20.2021	21:59:52	S	3351.61	W	1301.29	2.8	3.92	139	3.19	35.4	4.3	1.4	21.1	3.70	0.72	
04.20.2021	22:00:52	S	3351.62	W	1301.08	2.8	3.92	139	3.19	35.4	4.3	1.4	21.1	3.75	0.75	
04.20.2021	22:01:52	S	3351.63	W	1300.83	2.8	3.92	139	3.19	35.4	4.3	1.4	21.2	3.71	0.73	
04.20.2021	22:02:52	S	3351.64	W	1300.58	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.75	0.76	
04.20.2021	22:03:52	S	3351.64	W	1300.36	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.76	0.73	
04.20.2021	22:04:52	S	3351.65	W	1300.14	2.8	3.92	139	3.19	35.4	4.2	1.4	20.9	3.73	0.71	
04.20.2021	22:05:52	S	3351.66	W	1259.89	2.8	3.92	139	3.19	35.4	4.3	1.4	20.7	3.75	0.74	
04.20.2021	22:06:52	S	3351.68	W	1259.64	2.8	3.92	139	3.19	35.4	4.3	1.4	20.8	3.70	0.75	
04.20.2021	22:07:52	S	3351.68	W	1259.4	2.8	3.92	139	3.19	35.4	4.3	1.4	20.8	3.77	0.73	
04.20.2021	22:08:52	S	3351.69	W	1259.18	2.8	3.92	139	3.19	35.4	4.4	1.4	20.8	3.71	0.74	
04.20.2021	22:09:52	S	3351.7	W	1258.93	2.8	3.92	139	3.19	35.4	4.3	1.5	21.0	3.72	0.73	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_AVG_TUR	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	22:10:52	S	3351.7	W	1258.72	2.8	3.92	139	3.19	35.4	4.4	1.5	21.1	3.66	0.75
04.20.2021	22:11:52	S	3351.71	W	1258.43	2.8	3.92	139	3.19	35.4	4.4	1.5	20.9	3.73	0.74
04.20.2021	22:12:52	S	3351.71	W	1258.22	2.8	3.92	139	3.19	35.4	4.4	1.5	20.9	3.75	0.76
04.20.2021	22:13:52	S	3351.72	W	1257.96	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.73	0.75
04.20.2021	22:14:52	S	3351.73	W	1257.73	2.8	3.92	139	3.19	35.4	4.4	1.5	20.8	3.78	0.78
04.20.2021	22:15:52	S	3351.74	W	1257.51	2.8	3.92	139	3.19	35.4	4.3	1.5	21.0	3.76	0.73
04.20.2021	22:16:52	S	3351.74	W	1257.27	2.8	3.92	139	3.19	35.4	4.3	1.5	21.1	3.75	0.73
04.20.2021	22:17:52	S	3351.75	W	1257.01	2.8	3.92	139	3.19	35.4	4.4	1.5	21.0	3.79	0.78
04.20.2021	22:18:52	S	3351.76	W	1256.78	2.8	3.92	139	3.19	35.4	4.4	1.5	20.8	3.78	0.76
04.20.2021	22:19:52	S	3351.77	W	1256.54	2.8	3.92	139	3.19	35.4	4.4	1.6	20.9	3.73	0.78
04.20.2021	22:20:54	S	3351.77	W	1256.32	2.8	3.92	139	3.19	35.4	4.3	1.6	21.1	3.74	0.77
04.20.2021	22:21:54	S	3351.78	W	1256.07	2.8	3.92	139	3.19	35.4	4.3	1.6	20.9	3.76	0.77
04.20.2021	22:22:54	S	3351.78	W	1255.8	2.8	3.92	139	3.19	35.4	4.3	1.6	20.9	3.76	0.77
04.20.2021	22:23:54	S	3351.79	W	1255.58	2.8	3.92	139	3.19	35.4	4.3	1.6	20.8	3.71	0.73
04.20.2021	22:24:54	S	3351.79	W	1255.33	2.8	3.92	139	3.19	35.4	4.3	1.6	20.8	3.65	0.73
04.20.2021	22:25:54	S	3351.8	W	1255.08	2.8	3.92	139	3.19	35.4	4.3	1.6	20.9	3.65	0.74
04.20.2021	22:26:54	S	3351.81	W	1254.88	2.8	3.92	139	3.19	35.4	4.3	1.6	20.8	3.65	0.74
04.20.2021	22:27:54	S	3351.82	W	1254.65	2.8	3.92	139	3.19	35.4	4.3	1.6	20.9	3.73	0.77
04.20.2021	22:28:54	S	3351.82	W	1254.4	2.8	3.92	139	3.19	35.4	4.3	1.5	21.0	3.75	0.73
04.20.2021	22:29:54	S	3351.83	W	1254.17	2.8	3.92	139	3.19	35.4	4.2	1.5	20.8	3.79	0.76
04.20.2021	22:30:49	S	3351.84	W	1253.92	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.76	0.76
04.20.2021	22:31:49	S	3351.86	W	1253.66	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.73	0.74
04.20.2021	22:32:49	S	3351.86	W	1253.43	2.8	3.92	139	3.19	35.4	4.2	1.5	20.8	3.78	0.76
04.20.2021	22:33:49	S	3351.87	W	1253.22	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.84	0.80
04.20.2021	22:34:49	S	3351.88	W	1252.96	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.70	0.71
04.20.2021	22:35:49	S	3351.89	W	1252.76	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.76	0.78
04.20.2021	22:36:49	S	3351.91	W	1252.48	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.73	0.78
04.20.2021	22:37:49	S	3351.91	W	1252.29	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.78	0.76
04.20.2021	22:38:49	S	3351.92	W	1252.04	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.71	0.75
04.20.2021	22:39:49	S	3351.93	W	1251.79	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.71	0.74
04.20.2021	22:40:51	S	3351.93	W	1251.53	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.68	0.73
04.20.2021	22:41:51	S	3351.94	W	1251.31	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.68	0.74
04.20.2021	22:42:51	S	3351.95	W	1251.07	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.73	0.79
04.20.2021	22:43:51	S	3351.96	W	1250.82	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.69	0.74
04.20.2021	22:44:51	S	3351.96	W	1250.62	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.78	0.77
04.20.2021	22:45:51	S	3351.97	W	1250.37	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.75	0.75
04.20.2021	22:46:51	S	3351.98	W	1250.1	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.72	0.76
04.20.2021	22:47:51	S	3351.99	W	1249.87	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.76	0.75

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	22:48:51	S	3352	W	1249.65	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.76	0.78	
04.20.2021	22:49:51	S	3352.01	W	1249.37	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.74	0.75	
04.20.2021	22:50:53	S	3352.01	W	1249.14	2.8	3.92	139	3.19	35.4	4.3	1.5	20.6	3.81	0.78	
04.20.2021	22:51:53	S	3352.02	W	1248.89	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.77	0.78	
04.20.2021	22:52:53	S	3352.03	W	1248.71	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.72	0.75	
04.20.2021	22:53:53	S	3352.04	W	1248.43	2.8	3.92	139	3.19	35.4	4.3	1.5	21.1	3.73	0.75	
04.20.2021	22:54:53	S	3352.05	W	1248.17	2.8	3.92	139	3.19	35.4	4.3	1.5	21.0	3.73	0.74	
04.20.2021	22:55:53	S	3352.06	W	1247.96	2.8	3.92	139	3.19	35.4	4.3	1.5	21.1	3.69	0.75	
04.20.2021	22:56:53	S	3352.06	W	1247.74	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.73	0.76	
04.20.2021	22:57:53	S	3352.07	W	1247.48	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.69	0.73	
04.20.2021	22:58:53	S	3352.08	W	1247.26	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.70	0.75	
04.20.2021	22:59:53	S	3352.09	W	1246.99	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.71	0.71	
04.20.2021	23:00:50	S	3352.11	W	1246.76	2.8	3.92	139	3.19	35.4	4.4	1.4	20.6	3.73	0.81	
04.20.2021	23:01:50	S	3352.13	W	1246.51	2.8	3.92	139	3.19	35.4	4.4	1.4	20.5	3.70	0.76	
04.20.2021	23:02:50	S	3352.14	W	1246.29	2.8	3.92	139	3.19	35.4	4.4	1.4	20.4	3.77	0.75	
04.20.2021	23:03:50	S	3352.16	W	1246.04	2.8	3.92	139	3.19	35.4	4.4	1.4	20.4	3.75	0.74	
04.20.2021	23:04:50	S	3352.17	W	1245.83	2.8	3.92	139	3.19	35.4	4.3	1.4	20.6	3.72	0.72	
04.20.2021	23:05:50	S	3352.19	W	1245.59	2.8	3.92	139	3.19	35.4	4.4	1.4	20.7	3.76	0.77	
04.20.2021	23:06:50	S	3352.21	W	1245.32	2.8	3.92	139	3.19	35.4	4.4	1.4	20.7	3.73	0.73	
04.20.2021	23:07:50	S	3352.22	W	1245.11	2.8	3.92	139	3.19	35.4	4.4	1.4	20.6	3.80	0.79	
04.20.2021	23:08:50	S	3352.24	W	1244.86	2.8	3.92	139	3.19	35.4	4.4	1.4	20.7	3.71	0.71	
04.20.2021	23:09:50	S	3352.25	W	1244.6	2.8	3.92	139	3.19	35.4	4.4	1.4	20.8	3.72	0.76	
04.20.2021	23:10:54	S	3352.26	W	1244.4	2.8	3.92	139	3.19	35.4	4.4	1.4	20.8	3.73	0.74	
04.20.2021	23:11:54	S	3352.28	W	1244.13	2.8	3.92	139	3.19	35.4	4.4	1.4	20.7	3.72	0.73	
04.20.2021	23:12:54	S	3352.3	W	1243.91	2.8	3.92	139	3.19	35.4	4.4	1.4	20.6	3.72	0.77	
04.20.2021	23:13:55	S	3352.3	W	1243.86	2.8	3.92	139	3.19	35.4	4.4	1.4	20.6	3.67	0.76	
04.20.2021	23:14:54	S	3352.33	W	1243.41	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.69	0.74	
04.20.2021	23:15:54	S	3352.34	W	1243.19	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.66	0.74	
04.20.2021	23:16:54	S	3352.36	W	1242.94	2.8	3.92	139	3.19	35.4	4.2	1.5	20.5	3.75	0.76	
04.20.2021	23:17:54	S	3352.38	W	1242.73	2.8	3.92	139	3.19	35.4	4.3	1.5	20.6	3.74	0.74	
04.20.2021	23:18:54	S	3352.4	W	1242.47	2.8	3.92	139	3.19	35.4	4.3	1.5	20.6	3.76	0.76	
04.20.2021	23:19:54	S	3352.41	W	1242.26	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.77	0.79	
04.20.2021	23:20:53	S	3352.43	W	1242.02	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.79	0.76	
04.20.2021	23:21:53	S	3352.45	W	1241.78	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.71	0.74	
04.20.2021	23:22:53	S	3352.46	W	1241.54	2.8	3.92	139	3.19	35.4	4.3	1.5	20.6	3.83	0.77	
04.20.2021	23:23:53	S	3352.48	W	1241.3	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.77	0.74	
04.20.2021	23:24:53	S	3352.49	W	1241.07	2.8	3.92	139	3.19	35.4	4.4	1.5	20.6	3.75	0.74	
04.20.2021	23:25:53	S	3352.5	W	1240.96	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.69	0.75	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.20.2021	23:26:53	S	3352.5	W	1240.96	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.76	0.75
04.20.2021	23:27:53	S	3352.54	W	1240.39	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.70	0.74
04.20.2021	23:28:53	S	3352.55	W	1240.15	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.68	0.72
04.20.2021	23:29:53	S	3352.57	W	1239.91	2.8	3.92	139	3.19	35.4	4.3	1.5	20.6	3.71	0.76
04.20.2021	23:30:47	S	3352.59	W	1239.67	2.8	3.92	139	3.19	35.4	4.4	1.5	20.7	3.69	0.71
04.20.2021	23:31:47	S	3352.6	W	1239.44	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.70	0.78
04.20.2021	23:32:47	S	3352.62	W	1239.21	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.70	0.75
04.20.2021	23:33:47	S	3352.63	W	1238.97	2.8	3.92	139	3.19	35.4	4.2	1.5	20.9	3.78	0.74
04.20.2021	23:34:47	S	3352.65	W	1238.74	2.8	3.92	139	3.19	35.4	4.2	1.5	20.8	3.73	0.72
04.20.2021	23:35:47	S	3352.67	W	1238.53	2.8	3.92	139	3.19	35.4	4.3	1.5	20.9	3.76	0.77
04.20.2021	23:36:47	S	3352.69	W	1238.3	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.73	0.74
04.20.2021	23:37:47	S	3352.71	W	1238.06	2.8	3.92	139	3.19	35.4	4.2	1.4	21.0	3.80	0.77
04.20.2021	23:38:47	S	3352.73	W	1237.81	2.8	3.92	139	3.19	35.4	4.3	1.4	20.8	3.78	0.73
04.20.2021	23:39:47	S	3352.74	W	1237.59	2.8	3.92	139	3.19	35.4	4.2	1.4	20.7	3.80	0.76
04.20.2021	23:40:49	S	3352.76	W	1237.32	2.8	3.92	139	3.19	35.4	4.2	1.4	20.8	3.72	0.74
04.20.2021	23:41:49	S	3352.78	W	1237.11	2.8	3.92	139	3.19	35.4	4.2	1.4	21.0	3.69	0.69
04.20.2021	23:42:49	S	3352.79	W	1236.89	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.72	0.76
04.20.2021	23:43:49	S	3352.81	W	1236.64	2.8	3.92	139	3.19	35.4	4.2	1.4	21.0	3.72	0.76
04.20.2021	23:44:49	S	3352.83	W	1236.4	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.74	0.75
04.20.2021	23:45:49	S	3352.84	W	1236.2	2.8	3.92	139	3.19	35.4	4.2	1.5	20.8	3.71	0.71
04.20.2021	23:46:49	S	3352.86	W	1235.96	2.8	3.92	139	3.19	35.4	4.3	1.4	20.8	3.68	0.74
04.20.2021	23:47:49	S	3352.87	W	1235.74	2.8	3.92	139	3.19	35.4	4.3	1.4	20.7	3.76	0.80
04.20.2021	23:48:49	S	3352.86	W	1235.49	2.8	3.92	139	3.19	35.4	4.3	1.4	20.6	3.69	0.75
04.20.2021	23:49:49	S	3352.86	W	1235.26	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.80	0.74
04.20.2021	23:50:45	S	3352.86	W	1235.04	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.73	0.77
04.20.2021	23:51:45	S	3352.87	W	1234.79	2.8	3.92	139	3.19	35.4	4.3	1.5	20.6	3.76	0.77
04.20.2021	23:52:45	S	3352.88	W	1234.55	2.8	3.92	139	3.19	35.4	4.4	1.5	20.4	3.76	0.76
04.20.2021	23:53:45	S	3352.88	W	1234.32	2.8	3.92	139	3.19	35.4	4.3	1.5	20.4	3.73	0.75
04.20.2021	23:54:45	S	3352.88	W	1234.1	2.8	3.92	139	3.19	35.4	4.4	1.5	20.4	3.76	0.76
04.20.2021	23:55:45	S	3352.88	W	1233.84	2.8	3.92	139	3.19	35.4	4.4	1.5	20.7	3.80	0.74
04.20.2021	23:56:45	S	3352.88	W	1233.61	2.8	3.92	139	3.19	35.4	4.4	1.5	20.7	3.71	0.71
04.20.2021	23:57:45	S	3352.88	W	1233.38	2.8	3.92	139	3.19	35.4	4.4	1.5	20.6	3.77	0.72
04.20.2021	23:58:45	S	3352.88	W	1233.12	2.8	3.92	139	3.19	35.4	4.4	1.5	20.5	3.70	0.75
04.20.2021	23:59:45	S	3352.88	W	1232.9	2.8	3.92	139	3.19	35.4	4.4	1.5	20.4	3.77	0.78

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	00:00:48	S	3339.06	W	1819.79	49	49	4	187.61	22.03	45	10.52	0.00	0.13	-0.37	
04.20.2021	00:01:48	S	3339.07	W	1819.6	46	48	1	187.30	22.00	45	10.52	0.00	0.15	-0.36	
04.20.2021	00:02:48	S	3339.1	W	1819.29	44	44	4	187.37	22.05	40	10.50	0.00	0.15	2.73	
04.20.2021	00:03:48	S	3339.11	W	1819.06	49	49	2	187.24	22.01	47	10.50	0.00	0.14	2.65	
04.20.2021	00:04:48	S	3339.13	W	1818.81	45	47	1	187.39	22.11	44	10.51	0.00	0.15	2.66	
04.20.2021	00:05:48	S	3339.14	W	1818.56	45	45	4	187.22	22.00	40	10.51	0.00	0.15	2.73	
04.20.2021	00:06:48	S	3339.16	W	1818.34	49	50	4	187.50	22.06	45	10.52	0.00	0.12	2.73	
04.20.2021	00:07:48	S	3339.18	W	1818.11	44	46	0	187.28	22.04	44	10.52	0.00	0.13	-0.37	
04.20.2021	00:08:48	S	3339.2	W	1817.82	45	46	6	187.41	22.06	39	10.51	0.00	0.13	-0.36	
04.20.2021	00:09:48	S	3339.21	W	1817.62	49	51	4	187.52	22.03	45	10.50	0.00	0.13	-0.37	
04.20.2021	00:10:42	S	3339.23	W	1817.32	46	49	1	187.93	22.11	46	10.52	0.00	0.13	-0.39	
04.20.2021	00:11:42	S	3339.25	W	1817.09	47	48	4	188.11	22.08	44	10.51	0.00	0.15	-0.36	
04.20.2021	00:12:42	S	3339.27	W	1816.83	49	50	4	188.04	22.05	46	10.51	0.00	0.15	2.73	
04.20.2021	00:13:42	S	3339.29	W	1816.59	45	47	1	188.17	22.07	44	10.49	0.00	0.16	2.71	
04.20.2021	00:14:42	S	3339.31	W	1816.39	47	47	2	188.35	22.08	44	10.52	0.00	0.17	2.73	
04.20.2021	00:15:42	S	3339.33	W	1816.12	48	49	0	188.37	22.04	48	10.50	0.00	0.15	2.65	
04.20.2021	00:16:42	S	3339.35	W	1815.83	43	44	-4	188.37	22.03	47	10.53	0.00	0.14	2.71	
04.20.2021	00:17:42	S	3339.36	W	1815.62	48	48	-0	188.52	22.08	48	10.50	0.00	0.15	-0.38	
04.20.2021	00:18:42	S	3339.37	W	1815.37	50	51	-0	188.56	22.06	50	10.51	0.00	0.13	-0.37	
04.20.2021	00:19:42	S	3339.38	W	1815.11	45	46	-1	188.56	22.01	47	10.52	0.00	0.13	-0.34	
04.20.2021	00:20:45	S	3339.4	W	1814.86	47	47	-0	188.35	21.95	47	10.51	0.00	0.13	-0.37	
04.20.2021	00:21:45	S	3339.41	W	1814.64	49	50	0	188.95	22.11	50	10.50	0.00	0.14	-0.37	
04.20.2021	00:22:45	S	3339.42	W	1814.38	40	41	0	188.85	22.01	39	10.51	0.00	0.15	2.68	
04.20.2021	00:23:45	S	3339.43	W	1814.14	47	48	2	188.65	21.98	45	10.52	0.00	0.15	2.75	
04.20.2021	00:24:45	S	3339.42	W	1813.89	48	50	1	188.98	22.05	48	10.51	0.00	0.14	2.67	
04.20.2021	00:25:45	S	3339.42	W	1813.68	44	46	2	188.89	22.07	42	10.51	0.00	0.15	2.74	
04.20.2021	00:26:45	S	3339.42	W	1813.39	49	49	2	188.52	21.98	46	10.51	0.00	0.14	2.67	
04.20.2021	00:27:45	S	3339.42	W	1813.18	51	51	3	188.52	22.04	48	10.52	0.00	0.14	2.74	
04.20.2021	00:28:45	S	3339.43	W	1812.94	43	44	2	188.17	21.97	41	10.51	0.00	0.13	-0.37	
04.20.2021	00:29:45	S	3339.43	W	1812.71	46	47	4	187.83	21.93	43	10.52	0.00	0.13	-0.37	
04.20.2021	00:30:50	S	3339.43	W	1812.42	50	51	4	187.80	21.97	45	10.54	0.00	0.15	0.04	
04.20.2021	00:31:50	S	3339.43	W	1812.2	43	44	3	187.70	21.98	41	10.51	0.00	0.13	-0.37	
04.20.2021	00:32:50	S	3339.43	W	1811.98	48	48	4	187.72	22.00	43	10.51	0.00	0.16	-0.39	
04.20.2021	00:33:50	S	3339.44	W	1811.7	46	47	3	187.48	21.90	42	10.51	0.00	0.14	2.71	
04.20.2021	00:34:50	S	3339.44	W	1811.47	43	44	4	187.48	21.87	39	10.51	0.00	0.15	2.64	
04.20.2021	00:35:50	S	3339.44	W	1811.24	48	49	6	187.54	21.93	42	10.52	0.00	0.15	2.68	
04.20.2021	00:36:50	S	3339.44	W	1811	48	50	4	187.61	21.90	44	10.51	0.00	0.13	2.68	
04.20.2021	00:37:50	S	3339.44	W	1810.72	42	43	3	187.70	21.91	38	10.51	0.00	0.12	2.69	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	00:38:50	S	3339.44	W	1810.5	49	50	6	187.74	21.86	43	10.50	0.00	0.13	-0.36
04.20.2021	00:39:50	S	3339.44	W	1810.26	49	51	5	187.91	21.94	44	10.51	0.00	0.14	-0.37
04.20.2021	00:40:43	S	3339.44	W	1810.04	42	43	3	188.11	21.98	39	10.51	0.00	0.15	-0.38
04.20.2021	00:41:43	S	3339.44	W	1809.8	46	48	3	187.85	21.90	44	10.49	0.00	0.12	-0.36
04.20.2021	00:42:43	S	3339.44	W	1809.54	47	49	2	187.91	21.93	45	10.51	0.00	0.13	-0.36
04.20.2021	00:43:43	S	3339.44	W	1809.31	43	44	3	188.11	21.94	41	10.50	0.00	0.13	2.70
04.20.2021	00:44:43	S	3339.44	W	1809.05	47	48	1	188.24	21.97	45	10.51	0.00	0.15	2.74
04.20.2021	00:45:43	S	3339.44	W	1808.83	46	48	-2	188.06	21.90	48	10.51	0.00	0.15	2.73
04.20.2021	00:46:43	S	3339.44	W	1808.54	44	45	2	188.43	22.01	42	10.52	0.00	0.17	2.72
04.20.2021	00:47:43	S	3339.44	W	1808.3	52	54	2	188.48	21.97	51	10.50	0.00	0.15	2.74
04.20.2021	00:48:43	S	3339.45	W	1808.06	52	54	-0	188.67	21.98	53	10.51	0.00	0.13	-0.35
04.20.2021	00:49:43	S	3339.46	W	1807.84	45	46	-1	188.59	21.96	46	10.50	0.00	0.11	-0.37
04.20.2021	00:50:42	S	3339.49	W	1807.6	49	49	-0	188.56	22.01	48	10.50	0.00	0.13	-0.37
04.20.2021	00:51:42	S	3339.5	W	1807.33	46	48	-1	188.37	21.94	47	10.51	0.00	0.12	-0.39
04.20.2021	00:52:42	S	3339.52	W	1807.11	43	43	-1	188.41	21.97	43	10.51	0.00	0.13	-0.38
04.20.2021	00:53:42	S	3339.53	W	1806.84	51	51	0	188.67	22.01	50	10.50	0.00	0.16	-0.37
04.20.2021	00:54:42	S	3339.54	W	1806.62	49	51	-1	188.48	21.97	50	10.51	0.00	0.16	2.75
04.20.2021	00:55:42	S	3339.55	W	1806.37	47	46	2	188.67	22.04	44	10.50	0.00	0.15	2.76
04.20.2021	00:56:42	S	3339.57	W	1806.12	51	52	3	188.52	21.97	48	10.53	0.00	0.14	2.70
04.20.2021	00:57:42	S	3339.58	W	1805.88	48	51	0	188.56	22.04	48	10.50	0.00	0.15	2.70
04.20.2021	00:58:42	S	3339.6	W	1805.63	46	46	5	188.52	22.03	41	10.51	0.00	0.12	2.70
04.20.2021	00:59:42	S	3339.61	W	1805.43	48	50	3	188.11	21.94	47	10.50	0.00	0.12	-0.38
04.20.2021	01:00:49	S	3339.63	W	1805.14	44	46	2	188.11	21.97	42	10.52	0.00	0.13	-0.37
04.20.2021	01:01:49	S	3339.64	W	1804.92	47	47	6	188.22	22.01	41	10.51	0.00	0.14	-0.38
04.20.2021	01:02:49	S	3339.65	W	1804.65	51	52	4	188.32	21.98	47	10.52	0.00	0.12	-0.39
04.20.2021	01:03:49	S	3339.67	W	1804.44	47	50	2	188.37	21.98	45	10.51	0.00	0.13	-0.37
04.20.2021	01:04:49	S	3339.68	W	1804.18	49	50	6	188.45	22.00	43	10.50	0.00	0.15	2.70
04.20.2021	01:05:49	S	3339.7	W	1803.95	53	55	5	188.37	21.95	49	10.51	0.00	0.13	2.72
04.20.2021	01:06:49	S	3339.71	W	1803.71	45	48	2	188.56	22.00	43	10.51	0.00	0.15	2.71
04.20.2021	01:07:49	S	3339.73	W	1803.49	49	49	6	188.59	21.97	43	10.51	0.00	0.16	2.74
04.20.2021	01:08:49	S	3339.75	W	1803.22	50	51	3	188.65	21.96	47	10.52	0.00	0.15	2.72
04.20.2021	01:09:49	S	3339.76	W	1802.98	43	45	-1	188.63	21.93	44	10.53	0.00	0.13	-0.36
04.20.2021	01:10:42	S	3339.78	W	1802.75	49	49	5	188.52	21.91	43	10.51	0.00	0.13	-0.38
04.20.2021	01:11:42	S	3339.8	W	1802.51	50	51	1	188.54	21.95	48	10.50	0.00	0.13	-0.38
04.20.2021	01:12:42	S	3339.82	W	1802.24	44	46	-2	188.41	21.93	46	10.51	0.00	0.12	-0.38
04.20.2021	01:13:42	S	3339.84	W	1802.02	47	48	2	188.43	21.91	45	10.52	0.00	0.13	-0.36
04.20.2021	01:14:42	S	3339.86	W	1801.73	48	50	-1	188.56	21.90	49	10.51	0.00	0.15	2.75
04.20.2021	01:15:42	S	3339.87	W	1801.53	43	44	-0	188.67	21.88	44	10.52	0.00	0.16	2.75

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	01:16:42	S	3339.89	W	1801.26	47	48	2	188.85	21.91	45	10.52	0.00	0.15	2.75	
04.20.2021	01:17:42	S	3339.91	W	1801.03	49	50	-0	189.13	21.90	48	10.50	0.00	0.16	2.76	
04.20.2021	01:18:42	S	3339.93	W	1800.76	40	42	-5	188.87	21.85	46	10.52	0.00	0.14	2.70	
04.20.2021	01:19:42	S	3339.95	W	1800.55	47	47	-0	188.93	21.87	47	10.51	0.00	0.14	2.62	
04.20.2021	01:20:42	S	3339.97	W	1800.31	49	50	-0	188.93	21.93	50	10.51	0.00	0.13	-0.37	
04.20.2021	01:21:42	S	3339.98	W	1800.05	43	43	-1	188.59	21.85	44	10.50	0.00	0.14	-0.34	
04.20.2021	01:22:42	S	3340	W	1759.81	48	47	3	188.72	21.90	44	10.51	0.00	0.13	-0.38	
04.20.2021	01:23:42	S	3340.01	W	1759.53	49	49	-0	188.37	21.85	49	10.51	0.00	0.12	-0.37	
04.20.2021	01:24:42	S	3340.02	W	1759.29	43	45	-3	188.35	21.89	47	10.52	0.00	0.13	-0.38	
04.20.2021	01:25:42	S	3340.03	W	1759.08	49	49	-1	188.11	21.85	50	10.50	0.00	0.17	2.74	
04.20.2021	01:26:42	S	3340.04	W	1758.81	50	50	1	188.11	21.89	48	10.52	0.00	0.14	2.75	
04.20.2021	01:27:42	S	3340.06	W	1758.59	43	44	-3	188.30	21.94	46	10.53	0.00	0.15	2.74	
04.20.2021	01:28:42	S	3340.07	W	1758.37	48	49	-0	188.15	21.96	48	10.51	0.00	0.16	2.77	
04.20.2021	01:29:42	S	3340.08	W	1758.12	49	50	-1	187.96	21.87	50	10.51	0.00	0.14	2.74	
04.20.2021	01:30:42	S	3340.09	W	1757.86	43	44	-1	188.04	21.90	44	10.51	0.00	0.12	-0.38	
04.20.2021	01:31:42	S	3340.11	W	1757.6	48	48	1	188.00	21.83	46	10.52	0.00	0.12	-0.38	
04.20.2021	01:32:42	S	3340.12	W	1757.35	49	50	-0	188.35	21.93	49	10.50	0.00	0.14	-0.39	
04.20.2021	01:33:42	S	3340.13	W	1757.13	42	43	-1	188.52	21.90	43	10.51	0.00	0.13	-0.37	
04.20.2021	01:34:42	S	3340.14	W	1756.88	51	51	3	188.45	21.89	48	10.51	0.00	0.13	-0.38	
04.20.2021	01:35:42	S	3340.15	W	1756.67	48	50	2	188.24	21.83	46	10.50	0.00	0.16	2.74	
04.20.2021	01:36:42	S	3340.16	W	1756.41	43	44	2	188.43	21.85	41	10.51	0.00	0.15	2.72	
04.20.2021	01:37:42	S	3340.17	W	1756.14	48	48	2	188.43	21.80	45	10.51	0.00	0.16	2.73	
04.20.2021	01:38:42	S	3340.18	W	1755.92	48	50	2	188.65	21.83	46	10.51	0.00	0.15	2.74	
04.20.2021	01:39:42	S	3340.19	W	1755.68	42	44	1	188.85	21.84	41	10.50	0.00	0.16	2.74	
04.20.2021	01:40:42	S	3340.2	W	1755.42	46	47	2	189.06	21.85	45	10.52	0.00	0.12	-0.37	
04.20.2021	01:41:42	S	3340.2	W	1755.16	47	49	2	189.00	21.81	46	10.52	0.00	0.13	-0.37	
04.20.2021	01:42:42	S	3340.2	W	1755.04	43	44	2	189.28	21.86	41	10.49	0.00	0.13	-0.38	
04.20.2021	01:43:42	S	3340.2	W	1755.04	48	49	-2	189.30	21.83	49	10.53	0.00	0.12	-0.37	
04.20.2021	01:44:42	S	3340.23	W	1754.44	48	50	-1	189.34	21.77	49	10.51	0.00	0.12	-0.36	
04.20.2021	01:45:42	S	3340.24	W	1754.23	42	43	-1	189.56	21.84	43	10.51	0.00	0.12	2.75	
04.20.2021	01:46:42	S	3340.25	W	1753.97	48	48	0	189.54	21.86	47	10.50	0.00	0.14	2.71	
04.20.2021	01:47:42	S	3340.26	W	1753.73	48	50	-1	189.56	21.91	49	10.51	0.00	0.15	2.74	
04.20.2021	01:48:42	S	3340.27	W	1753.46	44	45	-0	189.34	21.83	42	10.51	0.00	0.16	2.83	
04.20.2021	01:49:42	S	3340.27	W	1753.24	49	51	-1	189.41	21.85	50	10.51	0.00	0.15	2.77	
04.20.2021	01:50:51	S	3340.28	W	1752.99	47	50	-3	189.17	21.84	50	10.50	0.00	0.16	2.78	
04.20.2021	01:51:51	S	3340.29	W	1752.72	44	45	-1	188.89	21.85	45	10.51	0.00	0.13	-0.37	
04.20.2021	01:52:51	S	3340.29	W	1752.5	49	50	-2	188.87	21.83	50	10.51	0.00	0.13	-0.37	
04.20.2021	01:53:51	S	3340.3	W	1752.27	48	50	-5	188.74	21.81	53	10.50	0.00	0.14	-0.38	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	01:54:51	S	3340.31	W	1752.01	43	43	-1	188.74	21.89	43	10.50	0.00	0.13	-0.38	
04.20.2021	01:55:51	S	3340.31	W	1751.75	51	51	1	188.74	21.89	50	10.52	0.00	0.14	-0.37	
04.20.2021	01:56:51	S	3340.31	W	1751.54	48	50	-4	188.93	21.93	52	10.51	0.00	0.16	2.73	
04.20.2021	01:57:51	S	3340.31	W	1751.28	44	45	-4	188.67	21.85	49	10.52	0.00	0.16	2.73	
04.20.2021	01:58:51	S	3340.32	W	1751.03	51	51	-0	188.82	21.88	51	10.51	0.00	0.15	2.76	
04.20.2021	01:59:51	S	3340.32	W	1750.76	46	47	-3	188.74	21.87	48	10.50	0.00	0.14	2.79	
04.20.2021	02:00:49	S	3340.32	W	1750.51	42	44	0	188.74	21.95	43	10.51	0.00	0.16	2.82	
04.20.2021	02:01:49	S	3340.33	W	1750.27	48	49	1	188.48	21.90	47	10.51	0.00	0.15	-0.37	
04.20.2021	02:02:49	S	3340.33	W	1750.06	44	47	0	188.37	21.91	45	10.50	0.00	0.12	-0.37	
04.20.2021	02:03:49	S	3340.33	W	1750.03	44	45	3	188.48	21.90	42	10.51	0.00	0.13	-0.37	
04.20.2021	02:04:49	S	3340.33	W	1749.54	49	50	4	188.56	21.95	45	10.53	0.00	0.12	-0.37	
04.20.2021	02:05:49	S	3340.33	W	1749.26	41	44	1	188.54	21.90	41	10.52	0.00	0.13	-0.37	
04.20.2021	02:06:49	S	3340.33	W	1749.04	43	44	4	188.45	21.89	39	10.51	0.00	0.14	2.80	
04.20.2021	02:07:49	S	3340.33	W	1748.79	47	49	3	188.48	21.89	44	10.51	0.00	0.15	2.78	
04.20.2021	02:08:49	S	3340.33	W	1748.56	42	45	1	188.59	21.91	41	10.51	0.00	0.16	2.77	
04.20.2021	02:09:49	S	3340.34	W	1748.3	47	47	2	188.78	21.94	44	10.52	0.00	0.14	2.81	
04.20.2021	02:10:47	S	3340.34	W	1748.05	47	49	0	188.74	21.90	48	10.51	0.00	0.15	2.75	
04.20.2021	02:11:47	S	3340.34	W	1747.78	41	43	-2	188.85	21.88	43	10.51	0.00	-0.02	-0.36	
04.20.2021	02:12:47	S	3340.35	W	1747.54	44	45	-0	188.67	21.87	45	10.51	0.00	0.14	-0.37	
04.20.2021	02:13:47	S	3340.35	W	1747.32	46	48	-1	188.98	21.93	48	10.50	0.00	0.12	-0.37	
04.20.2021	02:14:47	S	3340.35	W	1747.09	41	43	-4	188.87	21.88	45	10.51	0.00	0.14	-0.35	
04.20.2021	02:15:47	S	3340.35	W	1746.92	46	46	-1	188.85	21.90	46	10.51	0.00	0.14	-0.38	
04.20.2021	02:16:47	S	3340.35	W	1746.92	48	50	-2	189.00	21.90	50	10.51	0.00	0.13	-0.36	
04.20.2021	02:17:47	S	3340.36	W	1746.32	41	42	-3	188.93	21.94	44	10.51	0.00	0.22	2.74	
04.20.2021	02:18:47	S	3340.37	W	1746.11	45	45	-2	188.43	21.89	46	10.51	0.00	0.15	2.78	
04.20.2021	02:19:47	S	3340.37	W	1745.87	49	49	-0	188.41	21.91	49	10.51	0.00	0.14	2.81	
04.20.2021	02:20:43	S	3340.37	W	1745.58	41	42	-2	188.04	21.87	43	10.51	0.00	0.16	2.80	
04.20.2021	02:21:43	S	3340.38	W	1745.35	47	47	0	188.17	21.91	46	10.51	0.00	0.14	2.77	
04.20.2021	02:22:43	S	3340.38	W	1745.12	48	48	1	187.96	21.86	47	10.52	0.00	0.11	-0.37	
04.20.2021	02:23:43	S	3340.38	W	1744.87	44	45	1	188.06	21.90	43	10.51	0.00	0.12	-0.40	
04.20.2021	02:24:43	S	3340.38	W	1744.61	47	47	2	188.04	21.90	45	10.49	0.00	0.14	-0.38	
04.20.2021	02:25:43	S	3340.38	W	1744.39	49	50	3	188.00	21.90	46	10.51	0.00	0.14	-0.37	
04.20.2021	02:26:43	S	3340.38	W	1744.15	42	43	-1	188.11	21.89	42	10.51	0.00	0.14	-0.37	
04.20.2021	02:27:43	S	3340.38	W	1743.89	48	48	4	188.22	21.96	44	10.50	0.00	0.17	2.79	
04.20.2021	02:28:43	S	3340.38	W	1743.65	49	49	2	187.96	21.87	47	10.51	0.00	0.17	2.77	
04.20.2021	02:29:43	S	3340.37	W	1743.41	44	45	2	188.15	21.88	42	10.52	0.00	0.15	2.68	
04.20.2021	02:30:44	S	3340.37	W	1743.16	48	49	5	188.22	21.90	43	10.52	0.00	0.16	2.81	
04.20.2021	02:31:44	S	3340.37	W	1742.93	47	49	2	188.13	21.89	45	10.52	0.00	0.15	2.82	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	02:32:44	S	3340.38	W	1742.66	42	44	2	188.41	21.91	41	10.51	0.00	0.15	-0.37	
04.20.2021	02:33:44	S	3340.38	W	1742.45	48	49	3	188.56	21.91	45	10.50	0.00	0.35	-0.37	
04.20.2021	02:34:44	S	3340.39	W	1742.18	45	47	0	188.59	21.88	45	10.51	0.00	0.14	-0.39	
04.20.2021	02:35:44	S	3340.4	W	1741.95	41	43	0	188.95	21.90	41	10.51	0.00	0.12	-0.36	
04.20.2021	02:36:44	S	3340.4	W	1741.67	52	53	4	189.26	21.97	48	10.51	0.00	0.12	-0.39	
04.20.2021	02:37:44	S	3340.42	W	1741.46	51	52	-1	189.54	21.98	52	10.50	0.00	0.13	2.79	
04.20.2021	02:38:44	S	3340.44	W	1741.22	42	43	-1	189.24	21.88	43	10.51	0.00	0.15	2.78	
04.20.2021	02:39:44	S	3340.47	W	1740.97	46	48	0	189.50	21.96	46	10.51	0.00	0.15	2.80	
04.20.2021	02:40:44	S	3340.49	W	1740.72	45	48	-2	189.50	21.94	48	10.52	0.00	0.14	2.81	
04.20.2021	02:41:44	S	3340.5	W	1740.46	44	45	-0	189.45	21.91	44	10.50	0.00	0.15	2.80	
04.20.2021	02:42:44	S	3340.52	W	1740.25	49	51	0	189.50	21.94	49	10.50	0.00	0.13	2.84	
04.20.2021	02:43:44	S	3340.54	W	1740	48	50	-4	189.19	21.84	51	10.51	0.00	0.13	-0.38	
04.20.2021	02:44:44	S	3340.55	W	1739.79	45	45	-0	189.30	21.87	45	10.52	0.00	0.10	-0.36	
04.20.2021	02:45:44	S	3340.57	W	1739.51	49	50	-2	189.39	21.89	50	10.53	0.00	0.13	-0.34	
04.20.2021	02:46:44	S	3340.58	W	1739.28	47	49	-0	188.93	21.87	47	10.53	0.00	0.13	-0.36	
04.20.2021	02:47:44	S	3340.6	W	1739.01	46	46	3	188.74	21.83	42	10.51	0.00	0.13	-0.38	
04.20.2021	02:48:44	S	3340.62	W	1738.79	48	49	4	188.72	21.89	44	10.53	0.00	0.14	-0.37	
04.20.2021	02:49:44	S	3340.64	W	1738.53	42	44	0	188.59	21.86	40	10.52	0.00	0.12	-0.37	
04.20.2021	02:50:46	S	3340.65	W	1738.28	47	48	2	188.22	21.84	44	10.50	0.00	0.12	-0.36	
04.20.2021	02:51:46	S	3340.67	W	1738.06	47	49	1	188.22	21.85	46	10.51	0.00	0.13	-0.39	
04.20.2021	02:52:46	S	3340.69	W	1737.8	40	41	0	188.00	21.82	39	10.50	0.00	0.12	-0.37	
04.20.2021	02:53:46	S	3340.71	W	1737.57	46	46	2	187.96	21.89	44	10.52	0.00	0.15	2.81	
04.20.2021	02:54:46	S	3340.73	W	1737.33	46	48	-1	188.06	21.94	48	10.52	0.00	0.14	2.84	
04.20.2021	02:55:46	S	3340.75	W	1737.05	42	43	-1	188.06	21.95	43	10.50	0.00	0.14	2.81	
04.20.2021	02:56:46	S	3340.76	W	1736.83	47	49	-1	188.15	21.95	49	10.51	0.00	0.15	2.83	
04.20.2021	02:57:46	S	3340.79	W	1736.59	47	49	-2	188.22	21.89	49	10.51	0.00	0.13	2.82	
04.20.2021	02:58:46	S	3340.81	W	1736.36	42	43	-0	187.96	21.83	42	10.52	0.00	0.11	-0.37	
04.20.2021	02:59:46	S	3340.84	W	1736.11	47	48	-1	188.22	21.93	47	10.49	0.00	0.15	-0.39	
04.20.2021	03:00:44	S	3340.87	W	1735.84	43	45	-4	188.17	21.88	48	10.51	0.00	0.13	-0.37	
04.20.2021	03:01:44	S	3340.89	W	1735.6	42	42	-0	188.22	21.89	41	10.51	0.00	0.11	-0.38	
04.20.2021	03:02:44	S	3340.9	W	1735.38	48	48	-1	188.35	21.80	49	10.50	0.00	0.13	-0.35	
04.20.2021	03:03:44	S	3340.92	W	1735.14	47	48	-2	188.76	21.85	48	10.52	0.00	0.13	2.77	
04.20.2021	03:04:44	S	3340.94	W	1734.91	43	43	0	188.45	21.77	43	10.49	0.00	0.17	2.79	
04.20.2021	03:05:44	S	3340.97	W	1734.66	48	48	2	188.67	21.81	45	10.52	0.00	0.15	2.82	
04.20.2021	03:06:44	S	3340.99	W	1734.4	43	45	2	188.63	21.81	41	10.50	0.00	0.16	2.84	
04.20.2021	03:07:44	S	3341.01	W	1734.15	41	41	5	188.56	21.77	35	10.52	0.00	0.15	2.81	
04.20.2021	03:08:44	S	3341.02	W	1733.93	47	48	4	188.65	21.80	42	10.52	0.00	0.15	-0.37	
04.20.2021	03:09:44	S	3341.03	W	1733.69	44	46	1	188.85	21.85	43	10.52	0.00	0.13	-0.37	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	03:10:43	S	3341.03	W	1733.44	46	46	5	188.56	21.79	41	10.51	0.00	0.12	-0.39	
04.20.2021	03:11:43	S	3341.04	W	1733.2	51	52	6	188.56	21.83	46	10.51	0.00	0.14	-0.38	
04.20.2021	03:12:43	S	3341.06	W	1732.93	45	47	3	188.45	21.85	41	10.50	0.00	0.14	-0.36	
04.20.2021	03:13:43	S	3341.07	W	1732.72	46	47	4	188.13	21.80	42	10.51	0.00	0.13	2.84	
04.20.2021	03:14:43	S	3341.09	W	1732.47	48	49	3	188.00	21.80	45	10.51	0.00	0.15	2.84	
04.20.2021	03:15:43	S	3341.09	W	1732.22	43	45	0	188.15	21.85	43	10.52	0.00	0.15	2.85	
04.20.2021	03:16:43	S	3341.1	W	1732	46	47	4	188.15	21.87	42	10.52	0.00	0.16	2.81	
04.20.2021	03:17:43	S	3341.11	W	1731.74	50	51	0	188.15	21.83	49	10.51	0.00	0.15	2.85	
04.20.2021	03:18:43	S	3341.12	W	1731.52	44	46	-1	188.32	21.86	44	10.52	0.00	0.14	2.83	
04.20.2021	03:19:43	S	3341.13	W	1731.25	46	46	1	188.32	21.90	44	10.52	0.00	0.13	-0.37	
04.20.2021	03:20:49	S	3341.14	W	1731.01	47	48	-1	188.17	21.86	48	10.50	0.00	0.11	-0.38	
04.20.2021	03:21:49	S	3341.15	W	1730.77	42	44	-3	188.30	21.85	46	10.51	0.00	0.12	-0.39	
04.20.2021	03:22:49	S	3341.16	W	1730.5	47	47	-1	188.37	21.84	47	10.51	0.00	0.13	-0.38	
04.20.2021	03:23:49	S	3341.17	W	1730.26	49	50	1	188.54	21.83	48	10.51	0.00	0.13	-0.35	
04.20.2021	03:24:49	S	3341.17	W	1730.04	44	45	-2	188.95	21.89	46	10.51	0.00	0.14	2.86	
04.20.2021	03:25:49	S	3341.17	W	1729.77	48	48	0	189.30	21.93	47	10.50	0.00	0.15	2.84	
04.20.2021	03:26:49	S	3341.18	W	1729.55	51	51	0	189.28	21.93	50	10.50	0.00	0.16	2.84	
04.20.2021	03:27:49	S	3341.19	W	1729.26	45	46	-0	189.47	21.90	46	10.52	0.00	0.16	2.84	
04.20.2021	03:28:49	S	3341.2	W	1729.03	49	49	3	189.71	21.94	46	10.51	0.00	0.14	2.83	
04.20.2021	03:29:49	S	3341.2	W	1728.82	52	52	3	189.47	21.83	48	10.51	0.00	0.15	-0.36	
04.20.2021	03:30:41	S	3341.21	W	1728.55	45	46	2	189.87	21.93	42	10.50	0.00	0.15	-0.39	
04.20.2021	03:31:41	S	3341.21	W	1728.3	49	50	4	189.78	21.90	46	10.51	0.00	0.13	-0.37	
04.20.2021	03:32:41	S	3341.21	W	1728.08	51	51	4	189.80	21.94	47	10.51	0.00	0.12	-0.37	
04.20.2021	03:33:41	S	3341.22	W	1727.82	46	47	3	189.80	21.91	43	10.51	0.00	0.13	-0.37	
04.20.2021	03:34:41	S	3341.22	W	1727.54	49	50	4	189.61	21.89	45	10.49	0.00	0.13	2.80	
04.20.2021	03:35:41	S	3341.23	W	1727.33	50	52	3	189.54	21.95	47	10.51	0.00	0.16	2.82	
04.20.2021	03:36:41	S	3341.23	W	1727.11	44	45	4	189.50	21.90	40	10.53	0.00	0.15	2.83	
04.20.2021	03:37:41	S	3341.23	W	1726.85	50	51	5	189.39	21.95	45	10.51	0.00	0.14	2.81	
04.20.2021	03:38:41	S	3341.24	W	1726.57	48	50	2	189.15	21.94	45	10.51	0.00	0.15	2.83	
04.20.2021	03:39:41	S	3341.24	W	1726.36	41	43	1	188.98	21.95	41	10.52	0.00	0.15	-0.38	
04.20.2021	03:40:47	S	3341.24	W	1726.1	47	48	2	188.76	21.93	45	10.51	0.00	0.13	-0.37	
04.20.2021	03:41:47	S	3341.24	W	1725.87	46	49	-1	188.74	21.96	48	10.52	0.00	0.13	-0.37	
04.20.2021	03:42:47	S	3341.24	W	1725.63	45	46	1	188.65	21.97	44	10.52	0.00	0.13	-0.36	
04.20.2021	03:43:47	S	3341.25	W	1725.39	51	52	1	188.78	22.01	49	10.52	0.00	0.12	-0.38	
04.20.2021	03:44:47	S	3341.26	W	1725.13	47	49	-3	188.74	22.01	50	10.63	0.00	0.14	-0.37	
04.20.2021	03:45:47	S	3341.26	W	1724.87	41	43	-3	188.95	22.06	45	10.51	0.00	0.12	2.81	
04.20.2021	03:46:47	S	3341.27	W	1724.62	47	49	-1	188.89	22.03	49	10.52	0.00	0.13	2.80	
04.20.2021	03:47:47	S	3341.27	W	1724.36	47	48	-2	188.78	22.03	49	10.51	0.00	0.14	2.81	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	03:48:47	S	3341.27	W	1724.16	43	45	-3	188.76	21.98	47	10.50	0.00	0.15	2.84	
04.20.2021	03:49:47	S	3341.28	W	1723.91	49	51	-1	189.17	22.06	51	10.51	0.00	0.08	2.86	
04.20.2021	03:50:42	S	3341.28	W	1723.65	47	49	-3	189.15	22.04	50	10.50	0.00	0.14	-0.37	
04.20.2021	03:51:42	S	3341.29	W	1723.42	41	42	-2	189.13	22.03	43	10.52	0.00	0.13	-0.36	
04.20.2021	03:52:42	S	3341.29	W	1723.16	48	50	-3	189.00	22.00	51	10.52	0.00	0.13	-0.38	
04.20.2021	03:53:42	S	3341.3	W	1722.92	46	48	-4	189.19	22.04	50	10.52	0.00	0.12	-0.36	
04.20.2021	03:54:42	S	3341.31	W	1722.68	43	43	-1	189.15	22.04	43	10.50	0.00	0.12	-0.37	
04.20.2021	03:55:42	S	3341.31	W	1722.46	46	46	-1	189.19	22.03	46	10.50	0.00	0.14	2.81	
04.20.2021	03:56:42	S	3341.32	W	1722.2	44	46	-3	189.39	22.04	47	10.51	0.00	0.15	2.82	
04.20.2021	03:57:42	S	3341.32	W	1721.94	42	42	1	189.47	22.03	41	10.51	0.00	0.15	2.86	
04.20.2021	03:58:42	S	3341.33	W	1721.73	47	49	3	189.19	21.97	44	10.51	0.00	0.15	2.85	
04.20.2021	03:59:42	S	3341.33	W	1721.47	44	47	-1	189.39	22.00	46	10.51	0.00	0.15	2.86	
04.20.2021	04:00:45	S	3341.34	W	1721.22	43	44	4	189.17	21.93	39	10.52	0.00	0.15	-0.37	
04.20.2021	04:01:45	S	3341.34	W	1720.97	47	48	5	189.17	21.91	42	10.52	0.00	0.14	-0.34	
04.20.2021	04:02:45	S	3341.34	W	1720.76	44	46	1	189.00	21.86	44	10.50	0.00	0.12	-0.37	
04.20.2021	04:03:45	S	3341.35	W	1720.48	44	45	5	188.93	21.89	40	10.52	0.00	0.14	-0.38	
04.20.2021	04:04:45	S	3341.36	W	1720.23	49	50	5	188.85	21.87	43	10.52	0.00	0.14	-0.39	
04.20.2021	04:05:45	S	3341.36	W	1720.01	42	44	-0	188.56	21.87	43	10.52	0.00	0.15	2.84	
04.20.2021	04:06:45	S	3341.36	W	1719.78	45	46	2	188.24	21.81	43	10.50	0.00	0.14	2.83	
04.20.2021	04:07:45	S	3341.37	W	1719.51	46	48	-0	188.54	21.90	47	10.51	0.00	0.16	2.81	
04.20.2021	04:08:45	S	3341.37	W	1719.28	43	45	1	188.32	21.85	43	10.49	0.00	0.13	2.80	
04.20.2021	04:09:45	S	3341.37	W	1719.05	45	46	2	188.04	21.80	43	10.50	0.00	0.15	2.86	
04.20.2021	04:10:42	S	3341.38	W	1718.77	48	49	0	188.37	21.88	47	10.51	0.00	0.15	2.83	
04.20.2021	04:11:42	S	3341.38	W	1718.55	42	43	-1	187.93	21.73	42	10.52	0.00	0.15	-0.37	
04.20.2021	04:12:42	S	3341.38	W	1718.29	45	45	1	188.32	21.88	44	10.51	0.00	0.15	-0.37	
04.20.2021	04:13:42	S	3341.38	W	1718.07	49	50	1	188.63	21.90	48	10.51	0.00	0.13	-0.36	
04.20.2021	04:14:42	S	3341.39	W	1717.84	45	47	-2	188.63	21.88	47	10.53	0.00	0.14	-0.35	
04.20.2021	04:15:42	S	3341.39	W	1717.59	48	48	-0	188.67	21.81	48	10.51	0.00	0.13	-0.38	
04.20.2021	04:16:42	S	3341.39	W	1717.34	51	52	-1	188.82	21.83	51	10.53	0.00	0.13	2.84	
04.20.2021	04:17:42	S	3341.4	W	1717.07	46	47	-2	189.04	21.88	47	10.52	0.00	0.16	2.84	
04.20.2021	04:18:42	S	3341.41	W	1716.84	47	47	1	188.95	21.83	45	10.51	0.00	0.14	2.91	
04.20.2021	04:19:42	S	3341.41	W	1716.58	49	49	2	188.89	21.83	45	10.51	0.00	0.15	2.85	
04.20.2021	04:20:42	S	3341.41	W	1716.34	42	43	-2	189.15	21.84	43	10.51	0.00	0.13	2.87	
04.20.2021	04:21:42	S	3341.42	W	1716.1	47	47	2	189.04	21.85	45	10.51	0.00	0.16	-0.38	
04.20.2021	04:22:42	S	3341.42	W	1715.86	51	52	3	189.28	21.88	49	10.52	0.00	0.13	-0.39	
04.20.2021	04:23:42	S	3341.42	W	1715.62	44	45	2	189.39	21.85	42	10.52	0.00	0.12	-0.40	
04.20.2021	04:24:42	S	3341.43	W	1715.37	48	49	5	189.39	21.82	43	10.50	0.00	0.14	-0.36	
04.20.2021	04:25:42	S	3341.43	W	1715.12	48	49	4	189.61	21.86	43	10.52	0.00	0.14	-0.37	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	04:26:42	S	3341.44	W	1714.88	41	43	3	189.76	21.88	39	10.50	0.00	0.13	2.83	
04.20.2021	04:27:42	S	3341.44	W	1714.6	47	48	5	189.82	21.88	42	10.51	0.00	0.15	2.86	
04.20.2021	04:28:42	S	3341.45	W	1714.39	50	51	4	189.76	21.87	45	10.50	0.00	0.15	2.86	
04.20.2021	04:29:42	S	3341.46	W	1714.13	44	45	3	189.87	21.91	41	10.51	0.00	0.15	2.86	
04.20.2021	04:30:46	S	3341.47	W	1713.9	47	47	3	189.71	21.91	43	10.52	0.00	0.14	2.85	
04.20.2021	04:31:46	S	3341.49	W	1713.64	45	47	1	189.37	21.85	44	10.51	0.00	0.16	-0.39	
04.20.2021	04:32:46	S	3341.5	W	1713.41	41	43	3	189.19	21.85	39	10.50	0.00	0.17	-0.37	
04.20.2021	04:33:46	S	3341.51	W	1713.12	48	50	4	189.26	21.85	45	10.52	0.00	0.12	-0.37	
04.20.2021	04:34:46	S	3341.53	W	1712.93	50	52	1	189.04	21.84	49	10.51	0.00	0.11	-0.38	
04.20.2021	04:35:46	S	3341.55	W	1712.66	46	47	2	188.87	21.84	44	10.51	0.00	0.14	-0.36	
04.20.2021	04:36:46	S	3341.57	W	1712.43	45	46	-1	188.43	21.80	46	10.50	0.00	0.13	-0.36	
04.20.2021	04:37:46	S	3341.59	W	1712.14	45	48	-2	188.32	21.81	48	10.52	0.00	0.14	2.84	
04.20.2021	04:38:46	S	3341.61	W	1711.92	42	43	-1	188.37	21.82	43	10.51	0.00	0.15	2.85	
04.20.2021	04:39:46	S	3341.62	W	1711.68	49	49	1	188.30	21.81	48	10.51	0.00	0.15	2.88	
04.20.2021	04:40:50	S	3341.64	W	1711.44	48	50	-3	188.17	21.82	52	10.52	0.00	0.15	2.87	
04.20.2021	04:41:50	S	3341.65	W	1711.2	44	45	1	188.37	21.80	43	10.51	0.00	0.15	2.85	
04.20.2021	04:42:50	S	3341.68	W	1710.93	48	48	-0	188.35	21.80	47	10.51	0.00	0.14	-0.37	
04.20.2021	04:43:50	S	3341.69	W	1710.69	47	48	-1	188.26	21.80	48	10.52	0.00	0.14	-0.37	
04.20.2021	04:44:50	S	3341.71	W	1710.43	46	45	3	188.43	21.83	42	10.51	0.00	0.14	-0.37	
04.20.2021	04:45:50	S	3341.73	W	1710.19	49	50	3	188.43	21.84	46	10.51	0.00	0.13	-0.35	
04.20.2021	04:46:50	S	3341.75	W	1709.97	44	46	0	188.37	21.82	44	10.53	0.00	0.13	-0.38	
04.20.2021	04:47:50	S	3341.77	W	1709.72	46	47	5	188.54	21.84	41	10.51	0.00	0.14	2.85	
04.20.2021	04:48:50	S	3341.79	W	1709.48	49	50	3	188.63	21.81	46	10.51	0.00	0.15	2.87	
04.20.2021	04:49:50	S	3341.81	W	1709.24	47	49	2	188.74	21.85	45	10.52	0.00	0.15	2.87	
04.20.2021	04:50:43	S	3341.83	W	1708.99	44	45	6	188.76	21.80	39	10.52	0.00	0.13	2.85	
04.20.2021	04:51:43	S	3341.85	W	1708.74	48	49	5	189.04	21.87	44	10.52	0.00	0.15	2.86	
04.20.2021	04:52:43	S	3341.86	W	1708.49	44	46	2	188.87	21.84	42	10.51	0.00	0.13	-0.37	
04.20.2021	04:53:43	S	3341.88	W	1708.25	46	46	4	188.95	21.83	42	10.51	0.00	0.13	-0.37	
04.20.2021	04:54:43	S	3341.9	W	1708.02	48	49	-0	188.87	21.79	48	10.52	0.00	0.12	-0.37	
04.20.2021	04:55:43	S	3341.92	W	1707.75	42	45	-2	189.19	21.86	44	10.51	0.00	-0.07	-0.38	
04.20.2021	04:56:43	S	3341.94	W	1707.52	45	45	3	189.30	21.90	42	10.51	0.00	0.14	-0.01	
04.20.2021	04:57:43	S	3341.96	W	1707.27	47	48	-1	189.47	21.90	48	10.52	0.00	0.13	2.84	
04.20.2021	04:58:43	S	3341.98	W	1707.01	43	45	-1	189.47	21.93	44	10.52	0.00	0.15	2.86	
04.20.2021	04:59:43	S	3342	W	1706.76	43	44	1	189.06	21.83	42	10.51	0.00	0.13	2.83	
04.20.2021	05:00:49	S	3342.02	W	1706.52	48	49	0	189.15	21.89	48	10.50	0.00	0.14	2.87	
04.20.2021	05:01:49	S	3342.04	W	1706.25	43	45	-3	189.26	21.88	46	10.52	0.00	0.15	2.88	
04.20.2021	05:02:49	S	3342.05	W	1706.03	46	47	0	189.37	21.89	46	10.53	0.00	0.14	-0.39	
04.20.2021	05:03:49	S	3342.07	W	1705.76	50	50	-1	189.24	21.86	50	10.51	0.00	0.14	-0.37	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	05:04:49	S	3342.08	W	1705.54	42	45	-1	189.41	21.93	45	10.52	0.00	0.13	-0.37	
04.20.2021	05:05:49	S	3342.09	W	1705.28	47	47	1	189.34	21.93	46	10.52	0.00	0.14	-0.37	
04.20.2021	05:06:49	S	3342.09	W	1705.24	51	52	-1	188.82	21.80	52	10.52	0.00	0.15	-0.37	
04.20.2021	05:07:49	S	3342.11	W	1704.8	46	47	-1	188.93	21.88	47	10.52	0.00	0.13	-0.38	
04.20.2021	05:08:49	S	3342.13	W	1704.55	48	48	4	188.85	21.83	42	10.52	0.00	0.12	2.86	
04.20.2021	05:09:49	S	3342.15	W	1704.29	51	52	2	188.98	21.93	49	10.52	0.00	0.14	2.84	
04.20.2021	05:10:44	S	3342.16	W	1704.05	45	47	-0	188.98	21.87	46	10.53	0.00	0.15	2.89	
04.20.2021	05:11:44	S	3342.17	W	1703.8	50	50	1	189.00	21.90	48	10.52	0.00	0.16	2.89	
04.20.2021	05:12:44	S	3342.19	W	1703.55	51	52	2	189.19	21.87	49	10.49	0.00	0.13	2.86	
04.20.2021	05:13:44	S	3342.2	W	1703.29	46	46	1	189.26	21.89	44	10.52	0.00	0.15	-0.37	
04.20.2021	05:14:44	S	3342.22	W	1703.03	46	46	6	189.30	21.91	40	10.51	0.00	0.14	-0.37	
04.20.2021	05:15:44	S	3342.23	W	1702.81	48	49	3	188.98	21.81	45	10.51	0.00	0.11	-0.36	
04.20.2021	05:16:44	S	3342.23	W	1702.54	43	44	3	189.08	21.83	40	10.51	0.00	0.12	-0.37	
04.20.2021	05:17:44	S	3342.24	W	1702.29	49	50	5	189.30	21.91	44	10.50	0.00	0.12	-0.37	
04.20.2021	05:18:44	S	3342.24	W	1702.02	49	51	4	189.41	21.94	46	10.52	0.00	0.14	2.86	
04.20.2021	05:19:44	S	3342.25	W	1701.8	45	46	2	189.24	21.84	42	10.54	0.00	0.14	2.86	
04.20.2021	05:20:43	S	3342.26	W	1701.55	49	50	5	189.17	21.82	44	10.52	0.00	0.15	2.86	
04.20.2021	05:21:43	S	3342.26	W	1701.3	49	51	3	189.26	21.89	46	10.51	0.00	0.15	2.85	
04.20.2021	05:22:43	S	3342.27	W	1701.06	43	44	3	189.50	21.91	41	10.51	0.00	0.16	2.84	
04.20.2021	05:23:43	S	3342.27	W	1700.79	47	49	4	189.26	21.85	43	10.52	0.00	0.15	-0.37	
04.20.2021	05:24:43	S	3342.28	W	1700.55	48	50	1	189.39	21.84	47	10.52	0.00	0.15	-0.37	
04.20.2021	05:25:43	S	3342.28	W	1700.3	43	44	1	189.26	21.82	42	10.52	0.00	0.13	-0.38	
04.20.2021	05:26:43	S	3342.29	W	1700.04	47	48	0	189.39	21.87	47	10.50	0.00	0.13	-0.37	
04.20.2021	05:27:43	S	3342.29	W	1659.81	48	50	-2	189.41	21.82	50	10.52	0.00	0.13	-0.36	
04.20.2021	05:28:43	S	3342.3	W	1659.56	43	44	-0	189.39	21.81	44	10.51	0.00	0.13	2.83	
04.20.2021	05:29:43	S	3342.3	W	1659.3	48	49	-1	189.45	21.83	49	10.51	0.00	0.14	2.84	
04.20.2021	05:30:43	S	3342.31	W	1659.06	46	47	-3	189.06	21.79	50	10.52	0.00	0.13	2.82	
04.20.2021	05:31:43	S	3342.31	W	1658.78	44	44	-0	188.93	21.80	44	10.50	0.00	0.13	2.86	
04.20.2021	05:32:43	S	3342.32	W	1658.55	49	49	2	189.08	21.86	46	10.53	0.00	0.15	2.87	
04.20.2021	05:33:43	S	3342.32	W	1658.29	46	48	-2	188.93	21.83	48	10.51	0.00	0.14	2.85	
04.20.2021	05:34:43	S	3342.33	W	1658.02	45	45	1	188.59	21.77	43	10.51	0.00	0.14	-0.38	
04.20.2021	05:35:43	S	3342.33	W	1657.81	50	51	1	188.74	21.82	49	10.51	0.00	0.15	-0.37	
04.20.2021	05:36:43	S	3342.33	W	1657.53	48	49	0	188.59	21.80	48	10.51	0.00	0.14	-0.39	
04.20.2021	05:37:43	S	3342.34	W	1657.26	46	46	5	188.72	21.80	41	10.52	0.00	0.13	-0.37	
04.20.2021	05:38:43	S	3342.34	W	1657.05	49	50	3	188.54	21.80	46	10.52	0.00	0.14	-0.36	
04.20.2021	05:39:43	S	3342.34	W	1656.77	45	47	2	188.43	21.76	43	10.51	0.00	0.13	2.86	
04.20.2021	05:40:46	S	3342.34	W	1656.56	45	46	5	188.65	21.82	41	10.51	0.00	0.14	2.86	
04.20.2021	05:41:46	S	3342.35	W	1656.28	50	50	5	188.82	21.88	44	10.51	0.00	0.15	2.84	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	05:42:46	S	3342.35	W	1656.01	45	47	0	188.65	21.80	45	10.52	0.00	0.14	2.80	
04.20.2021	05:43:46	S	3342.35	W	1655.8	45	47	5	188.89	21.85	40	10.51	0.00	0.15	2.81	
04.20.2021	05:44:46	S	3342.35	W	1655.53	50	51	3	188.85	21.82	47	10.52	0.00	0.16	-0.37	
04.20.2021	05:45:46	S	3342.35	W	1655.3	43	45	-2	188.89	21.79	45	10.52	0.00	0.14	-0.37	
04.20.2021	05:46:46	S	3342.36	W	1655.03	45	46	4	189.13	21.84	42	10.50	0.00	0.15	-0.37	
04.20.2021	05:47:46	S	3342.36	W	1654.75	48	49	-1	189.08	21.84	49	10.52	0.00	0.12	-0.37	
04.20.2021	05:48:46	S	3342.37	W	1654.51	41	44	-3	189.17	21.85	45	10.52	0.00	0.14	-0.36	
04.20.2021	05:49:46	S	3342.37	W	1654.29	46	46	1	189.30	21.88	45	10.52	0.00	0.14	2.84	
04.20.2021	05:50:47	S	3342.38	W	1654.03	51	51	1	189.61	21.88	49	10.50	0.00	0.13	2.84	
04.20.2021	05:51:47	S	3342.38	W	1653.77	46	47	-1	189.67	21.82	47	10.51	0.00	0.14	2.83	
04.20.2021	05:52:47	S	3342.39	W	1653.51	48	45	2	189.91	21.87	46	10.52	0.00	0.15	2.81	
04.20.2021	05:53:47	S	3342.39	W	1653.26	50	50	-1	190.06	21.90	50	10.52	0.00	0.16	2.82	
04.20.2021	05:54:47	S	3342.4	W	1653.02	46	47	-1	190.02	21.85	46	10.51	0.00	0.14	-0.38	
04.20.2021	05:55:47	S	3342.4	W	1652.78	50	50	2	189.95	21.85	48	10.51	0.00	0.14	-0.39	
04.20.2021	05:56:47	S	3342.41	W	1652.53	51	52	1	190.00	21.90	51	10.51	0.00	0.13	-0.38	
04.20.2021	05:57:47	S	3342.41	W	1652.29	46	47	-2	190.21	21.91	48	10.51	0.00	0.15	-0.17	
04.20.2021	05:58:47	S	3342.42	W	1652.02	51	51	3	189.87	21.84	48	10.51	0.00	0.13	-0.34	
04.20.2021	05:59:47	S	3342.42	W	1651.75	53	53	3	189.69	21.89	49	10.52	0.00	0.14	-0.38	
04.20.2021	06:00:49	S	3342.42	W	1651.51	44	46	-0	189.56	21.85	45	10.52	0.00	0.15	2.78	
04.20.2021	06:01:49	S	3342.43	W	1651.29	50	51	2	189.41	21.90	48	10.51	0.00	0.13	2.77	
04.20.2021	06:02:49	S	3342.44	W	1651.23	48	49	4	189.39	21.96	43	10.52	0.00	0.13	2.82	
04.20.2021	06:03:49	S	3342.46	W	1650.78	42	44	2	189.06	21.89	40	10.51	0.00	0.15	2.82	
04.20.2021	06:04:49	S	3342.48	W	1650.49	46	47	2	189.15	21.90	44	10.52	0.00	0.14	2.85	
04.20.2021	06:05:49	S	3342.48	W	1650.26	50	51	3	188.95	21.87	46	10.51	0.00	0.15	-0.37	
04.20.2021	06:06:49	S	3342.49	W	1650.01	44	46	3	189.08	21.91	42	10.52	0.00	0.15	-0.36	
04.20.2021	06:07:49	S	3342.5	W	1649.77	49	50	5	188.78	21.90	44	10.52	0.00	0.13	-0.39	
04.20.2021	06:08:49	S	3342.51	W	1649.53	47	49	-1	188.63	21.86	49	10.52	0.00	0.13	-0.37	
04.20.2021	06:09:49	S	3342.52	W	1649.3	44	45	3	188.65	21.87	41	10.52	0.00	0.14	-0.35	
04.20.2021	06:10:42	S	3342.54	W	1649.04	50	51	1	188.72	21.90	49	10.51	0.00	0.14	2.84	
04.20.2021	06:11:42	S	3342.55	W	1648.8	50	51	-0	189.06	21.97	50	10.51	0.00	0.14	2.83	
04.20.2021	06:12:42	S	3342.56	W	1648.55	45	46	-0	188.65	21.85	44	10.51	0.00	0.14	2.82	
04.20.2021	06:13:42	S	3342.57	W	1648.29	48	49	2	189.13	21.93	47	10.52	0.00	0.16	2.81	
04.20.2021	06:14:42	S	3342.59	W	1648.03	46	48	-3	189.19	21.96	49	10.51	0.00	0.14	2.80	
04.20.2021	06:15:42	S	3342.6	W	1647.79	44	45	2	189.26	21.96	41	10.53	0.00	0.14	-0.37	
04.20.2021	06:16:42	S	3342.61	W	1647.55	47	48	-1	189.15	21.90	48	10.51	0.00	0.14	-0.39	
04.20.2021	06:17:42	S	3342.62	W	1647.31	48	49	-3	189.41	21.93	51	10.51	0.00	0.15	-0.38	
04.20.2021	06:18:42	S	3342.63	W	1647.05	44	45	0	189.65	21.96	45	10.51	0.00	0.13	-0.37	
04.20.2021	06:19:42	S	3342.64	W	1646.8	49	50	0	189.58	21.89	49	10.52	0.00	0.14	-0.39	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	06:20:44	S	3342.65	W	1646.57	46	48	-3	189.65	21.93	49	10.50	0.00	0.15	2.95	
04.20.2021	06:21:44	S	3342.67	W	1646.32	43	43	0	189.58	21.86	42	10.51	0.00	0.14	2.85	
04.20.2021	06:22:44	S	3342.68	W	1646.09	51	52	0	189.76	21.91	51	10.52	0.00	0.14	2.84	
04.20.2021	06:23:44	S	3342.7	W	1645.8	46	48	-1	189.56	21.93	47	10.50	0.00	0.15	2.84	
04.20.2021	06:24:44	S	3342.71	W	1645.59	47	47	5	189.47	21.96	41	10.52	0.00	0.13	2.83	
04.20.2021	06:25:44	S	3342.72	W	1645.31	50	51	0	189.26	21.85	50	10.52	0.00	0.14	2.86	
04.20.2021	06:26:44	S	3342.73	W	1645.09	47	49	2	189.15	21.93	45	10.53	0.00	0.15	-0.37	
04.20.2021	06:27:44	S	3342.74	W	1644.84	46	47	4	189.00	21.90	43	10.51	0.00	0.14	-0.37	
04.20.2021	06:28:44	S	3342.76	W	1644.57	51	52	2	188.89	21.98	49	10.53	0.00	0.13	-0.21	
04.20.2021	06:29:44	S	3342.77	W	1644.32	45	46	2	188.67	21.90	42	10.51	0.00	0.14	-0.37	
04.20.2021	06:30:48	S	3342.78	W	1644.11	47	48	5	188.54	21.86	42	10.50	0.00	0.14	-0.37	
04.20.2021	06:31:48	S	3342.8	W	1643.85	50	52	4	188.32	21.82	47	10.52	0.00	0.14	3.01	
04.20.2021	06:32:48	S	3342.81	W	1643.57	44	46	0	188.76	21.94	44	10.52	0.00	0.15	2.99	
04.20.2021	06:33:48	S	3342.82	W	1643.34	46	47	4	188.65	21.91	42	10.52	0.00	0.14	3.00	
04.20.2021	06:34:48	S	3342.83	W	1643.11	49	50	3	188.72	21.93	46	10.54	0.00	0.15	2.94	
04.20.2021	06:35:48	S	3342.85	W	1642.86	44	46	-2	188.54	21.88	46	10.52	0.00	0.14	2.92	
04.20.2021	06:36:48	S	3342.86	W	1642.61	46	47	0	188.85	21.98	46	10.50	0.00	0.15	-0.36	
04.20.2021	06:37:48	S	3342.87	W	1642.35	49	50	-2	188.67	21.90	51	10.52	0.00	0.13	-0.38	
04.20.2021	06:38:48	S	3342.88	W	1642.12	44	46	-3	188.78	21.90	47	10.52	0.00	0.14	-0.36	
04.20.2021	06:39:48	S	3342.89	W	1641.88	49	49	2	189.15	21.95	47	10.52	0.00	0.14	-0.38	
04.20.2021	06:40:42	S	3342.9	W	1641.65	50	51	-2	189.08	21.87	52	10.52	0.00	0.16	-0.36	
04.20.2021	06:41:42	S	3342.92	W	1641.38	44	45	-2	189.45	21.94	45	10.51	0.00	0.14	2.90	
04.20.2021	06:42:42	S	3342.93	W	1641.11	49	49	1	189.24	21.87	47	10.51	0.00	0.13	2.93	
04.20.2021	06:43:42	S	3342.94	W	1640.92	50	51	-1	189.61	21.91	51	10.52	0.00	0.14	2.94	
04.20.2021	06:44:42	S	3342.95	W	1640.64	44	45	1	189.50	21.84	43	10.52	0.00	0.15	2.97	
04.20.2021	06:45:42	S	3342.96	W	1640.4	49	49	1	189.82	21.90	48	10.52	0.00	0.13	2.95	
04.20.2021	06:46:42	S	3342.98	W	1640.12	49	50	3	189.82	21.84	46	10.51	0.00	0.14	-0.38	
04.20.2021	06:47:42	S	3342.99	W	1639.86	45	45	5	189.82	21.81	40	10.51	0.00	0.13	-0.36	
04.20.2021	06:48:42	S	3343	W	1639.63	48	49	4	190.06	21.87	45	10.50	0.00	0.14	-0.38	
04.20.2021	06:49:42	S	3343.01	W	1639.38	51	52	5	190.21	21.90	46	10.51	0.00	0.14	-0.39	
04.20.2021	06:50:50	S	3343.02	W	1639.13	43	45	3	190.10	21.87	40	10.51	0.00	0.14	-0.38	
04.20.2021	06:51:50	S	3343.04	W	1638.9	47	48	3	190.06	21.93	44	10.50	0.00	0.16	-0.36	
04.20.2021	06:52:50	S	3343.04	W	1638.66	50	51	5	190.19	21.95	44	10.51	0.00	0.13	2.93	
04.20.2021	06:53:50	S	3343.06	W	1638.4	43	45	2	190.02	21.93	41	10.52	0.00	0.14	2.93	
04.20.2021	06:54:50	S	3343.06	W	1638.4	48	49	4	189.69	21.87	44	10.51	0.00	0.14	2.93	
04.20.2021	06:55:50	S	3343.08	W	1637.91	48	50	-0	189.61	21.91	50	10.49	0.00	0.14	2.96	
04.20.2021	06:56:50	S	3343.09	W	1637.65	44	46	1	189.19	21.86	43	10.51	0.00	0.14	2.89	
04.20.2021	06:57:50	S	3343.1	W	1637.41	48	49	2	188.87	21.83	46	10.50	0.00	0.16	-0.37	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	06:58:50	S	3343.11	W	1637.18	48	50	-1	188.72	21.84	49	10.54	0.00	0.14	-0.37
04.20.2021	06:59:50	S	3343.12	W	1636.93	44	45	1	188.65	21.82	42	10.53	0.00	0.13	-0.35
04.20.2021	07:00:47	S	3343.13	W	1636.67	47	49	0	188.56	21.80	48	10.52	0.00	0.15	-0.38
04.20.2021	07:01:47	S	3343.15	W	1636.41	47	49	-2	188.74	21.88	49	10.52	0.00	0.15	-0.37
04.20.2021	07:02:47	S	3343.16	W	1636.2	41	42	-2	188.87	21.90	43	10.52	0.00	0.15	2.92
04.20.2021	07:03:47	S	3343.17	W	1635.94	47	48	-1	188.82	21.87	48	10.52	0.00	0.14	2.88
04.20.2021	07:04:47	S	3343.18	W	1635.69	46	47	-4	188.78	21.84	50	10.51	0.00	0.16	2.89
04.20.2021	07:05:47	S	3343.18	W	1635.65	42	43	-2	188.82	21.84	44	10.52	0.00	0.14	2.92
04.20.2021	07:06:47	S	3343.2	W	1635.2	47	48	-3	189.00	21.91	50	10.51	0.00	0.14	2.87
04.20.2021	07:07:47	S	3343.21	W	1634.95	45	47	-3	188.93	21.88	49	10.52	0.00	0.13	-0.38
04.20.2021	07:08:47	S	3343.22	W	1634.69	44	44	2	188.98	21.87	42	10.51	0.00	0.14	-0.37
04.20.2021	07:09:47	S	3343.23	W	1634.47	49	49	1	188.78	21.80	48	10.51	0.00	0.14	-0.36
04.20.2021	07:10:50	S	3343.25	W	1634.2	46	47	-3	188.93	21.81	49	10.51	0.00	0.15	-0.38
04.20.2021	07:11:50	S	3343.26	W	1633.98	45	45	4	189.13	21.85	42	10.51	0.00	0.14	-0.37
04.20.2021	07:12:50	S	3343.27	W	1633.77	48	50	2	189.19	21.84	47	10.51	0.00	0.16	2.87
04.20.2021	07:13:50	S	3343.28	W	1633.48	45	47	-1	189.34	21.87	47	10.51	0.00	0.16	2.86
04.20.2021	07:14:50	S	3343.29	W	1633.24	45	46	3	189.69	21.88	42	10.52	0.00	0.14	2.88
04.20.2021	07:15:50	S	3343.3	W	1633.01	51	52	4	189.50	21.81	46	10.51	0.00	0.15	2.87
04.20.2021	07:16:50	S	3343.32	W	1632.74	45	47	2	189.58	21.82	44	10.51	0.00	0.13	2.85
04.20.2021	07:17:50	S	3343.33	W	1632.5	45	46	5	189.69	21.86	40	10.51	0.00	0.14	2.89
04.20.2021	07:18:50	S	3343.34	W	1632.27	49	49	5	189.58	21.77	43	10.52	0.00	0.14	-0.36
04.20.2021	07:19:50	S	3343.36	W	1632.02	44	47	2	189.80	21.86	42	10.51	0.00	0.13	-0.38
04.20.2021	07:20:43	S	3343.37	W	1631.78	45	46	5	189.56	21.83	41	10.51	0.00	0.13	-0.37
04.20.2021	07:21:43	S	3343.38	W	1631.54	46	48	3	189.47	21.84	44	10.50	0.00	0.13	-0.38
04.20.2021	07:22:43	S	3343.4	W	1631.29	43	45	0	189.26	21.85	43	10.52	0.00	0.14	-0.37
04.20.2021	07:23:43	S	3343.41	W	1631.08	45	46	3	189.00	21.87	42	10.51	0.00	0.13	2.90
04.20.2021	07:24:43	S	3343.42	W	1630.81	48	49	2	189.06	21.90	46	10.51	0.00	0.16	2.84
04.20.2021	07:25:43	S	3343.43	W	1630.59	45	47	1	188.74	21.83	45	10.51	0.00	0.14	2.90
04.20.2021	07:26:43	S	3343.45	W	1630.32	46	49	1	188.76	21.84	46	10.51	0.00	0.12	2.89
04.20.2021	07:27:43	S	3343.46	W	1630.08	50	51	1	188.85	21.89	49	10.51	0.00	0.14	2.88
04.20.2021	07:28:43	S	3343.48	W	1629.84	44	46	-3	188.72	21.86	47	10.51	0.00	0.21	-0.38
04.20.2021	07:29:43	S	3343.49	W	1629.63	46	48	-0	188.95	21.89	48	10.51	0.00	0.14	-0.37
04.20.2021	07:30:48	S	3343.51	W	1629.35	50	51	0	188.93	21.79	51	10.53	0.00	0.14	-0.38
04.20.2021	07:31:48	S	3343.52	W	1629.13	46	47	-1	189.06	21.83	47	10.51	0.00	0.14	-0.39
04.20.2021	07:32:48	S	3343.53	W	1628.85	47	47	-2	189.39	21.90	48	10.51	0.00	0.13	-0.37
04.20.2021	07:33:48	S	3343.55	W	1628.63	50	51	0	189.37	21.87	51	10.52	0.00	0.14	2.88
04.20.2021	07:34:48	S	3343.56	W	1628.38	44	45	-1	189.56	21.91	45	10.52	0.00	0.14	2.84
04.20.2021	07:35:48	S	3343.58	W	1628.12	47	47	-0	189.61	21.85	47	10.53	0.00	0.15	2.85

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	07:36:48	S	3343.59	W	1627.87	50	51	0	189.78	21.87	48	10.51	0.00	0.13	2.84	
04.20.2021	07:37:48	S	3343.6	W	1627.66	45	46	-0	189.76	21.80	45	10.51	0.00	0.14	2.88	
04.20.2021	07:38:48	S	3343.62	W	1627.37	50	50	4	190.19	21.88	46	10.51	0.00	0.13	-0.38	
04.20.2021	07:39:48	S	3343.63	W	1627.17	51	52	3	189.95	21.80	48	10.53	0.00	0.13	-0.39	
04.20.2021	07:40:43	S	3343.64	W	1626.9	44	45	2	190.19	21.80	41	10.52	0.00	0.14	-0.37	
04.20.2021	07:41:43	S	3343.65	W	1626.65	50	50	5	190.10	21.77	45	10.51	0.00	0.15	-0.36	
04.20.2021	07:42:43	S	3343.67	W	1626.42	51	52	4	190.43	21.83	48	10.52	0.00	0.13	-0.37	
04.20.2021	07:43:43	S	3343.68	W	1626.18	45	46	4	190.36	21.77	41	10.51	0.00	0.14	2.79	
04.20.2021	07:44:43	S	3343.7	W	1625.91	47	49	4	190.69	21.85	44	10.50	0.00	0.14	2.81	
04.20.2021	07:45:43	S	3343.71	W	1625.68	48	50	2	190.52	21.77	46	10.51	0.00	0.14	2.83	
04.20.2021	07:46:43	S	3343.73	W	1625.42	41	43	-2	190.43	21.83	43	10.51	0.00	0.14	2.82	
04.20.2021	07:47:43	S	3343.74	W	1625.19	49	50	3	190.28	21.81	46	10.52	0.00	0.14	2.85	
04.20.2021	07:48:43	S	3343.75	W	1624.93	46	48	-1	190.13	21.80	47	10.51	0.00	0.12	2.81	
04.20.2021	07:49:43	S	3343.77	W	1624.71	42	43	-1	189.91	21.77	43	10.51	0.00	0.14	-0.37	
04.20.2021	07:50:43	S	3343.78	W	1624.44	47	47	2	189.69	21.82	45	10.51	0.00	0.13	-0.37	
04.20.2021	07:51:43	S	3343.8	W	1624.19	43	44	-3	189.41	21.77	46	10.51	0.00	0.14	2.84	
04.20.2021	07:52:43	S	3343.8	W	1624.04	48	48	-1	189.28	21.79	48	10.51	0.00	0.15	2.82	
04.20.2021	07:53:43	S	3343.8	W	1624.04	49	50	-3	189.37	21.86	51	10.51	0.00	0.13	2.83	
04.20.2021	07:54:43	S	3343.84	W	1623.49	43	44	-1	189.15	21.82	43	10.50	0.00	0.14	-0.36	
04.20.2021	07:55:43	S	3343.85	W	1623.23	45	45	1	189.04	21.77	44	10.51	0.00	0.15	-0.36	
04.20.2021	07:56:43	S	3343.87	W	1622.98	48	49	-0	189.13	21.77	48	10.50	0.00	0.16	-0.36	
04.20.2021	07:57:43	S	3343.87	W	1622.75	43	44	-3	189.30	21.86	46	10.51	0.00	0.13	-0.38	
04.20.2021	07:58:43	S	3343.89	W	1622.47	48	48	2	189.19	21.82	45	10.52	0.00	0.52	-0.37	
04.20.2021	07:59:43	S	3343.9	W	1622.26	49	50	2	189.19	21.82	47	10.52	0.00	0.13	2.86	
04.20.2021	08:00:43	S	3343.91	W	1621.99	44	45	0	189.28	21.83	44	10.51	0.00	0.14	2.86	
04.20.2021	08:01:43	S	3343.93	W	1621.74	45	45	4	189.37	21.84	41	10.50	0.00	0.15	2.84	
04.20.2021	08:02:43	S	3343.93	W	1621.52	47	48	3	189.24	21.83	44	10.50	0.00	0.14	2.83	
04.20.2021	08:03:43	S	3343.94	W	1621.26	42	43	1	189.34	21.80	41	10.51	0.00	0.16	2.86	
04.20.2021	08:04:43	S	3343.94	W	1621	49	50	4	189.58	21.90	45	10.52	0.00	0.14	-0.37	
04.20.2021	08:05:43	S	3343.95	W	1620.78	48	50	4	189.54	21.85	45	10.45	0.00	0.13	-0.36	
04.20.2021	08:06:43	S	3343.96	W	1620.55	41	42	3	189.58	21.87	38	10.51	0.00	0.14	-0.38	
04.20.2021	08:07:43	S	3343.98	W	1620.3	45	45	5	189.71	21.84	40	10.52	0.00	0.14	-0.40	
04.20.2021	08:08:43	S	3343.98	W	1620.04	48	50	4	189.61	21.77	45	10.50	0.00	0.14	-0.37	
04.20.2021	08:09:43	S	3343.99	W	1619.81	43	44	3	189.78	21.76	40	10.30	0.00	0.13	2.84	
04.20.2021	08:10:45	S	3344	W	1619.55	48	49	4	189.82	21.76	44	10.53	0.00	0.13	2.84	
04.20.2021	08:11:45	S	3344	W	1619.32	46	48	1	189.89	21.81	46	10.53	0.00	0.16	2.81	
04.20.2021	08:12:45	S	3344.01	W	1619.09	40	41	-0	189.95	21.83	40	10.50	0.00	0.14	2.80	
04.20.2021	08:13:45	S	3344.02	W	1618.83	47	48	4	189.76	21.80	43	10.51	0.00	0.13	2.80	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	08:14:45	S	3344.02	W	1618.58	46	48	-2	189.69	21.76	49	10.52	0.00	0.15	-0.37	
04.20.2021	08:15:45	S	3344.03	W	1618.33	41	42	-2	190.00	21.87	43	10.50	0.00	0.14	-0.37	
04.20.2021	08:16:45	S	3344.03	W	1618.08	48	50	2	189.61	21.77	46	10.52	0.00	0.14	-0.37	
04.20.2021	08:17:45	S	3344.04	W	1617.84	45	46	-4	189.50	21.79	49	10.51	0.00	0.06	-0.38	
04.20.2021	08:18:45	S	3344.05	W	1617.58	42	44	-1	189.61	21.84	44	10.51	0.00	0.15	-0.36	
04.20.2021	08:19:45	S	3344.06	W	1617.35	47	48	-2	189.45	21.80	49	10.52	0.00	0.14	0.80	
04.20.2021	08:20:50	S	3344.07	W	1617.1	47	48	-3	189.47	21.80	50	10.52	0.00	0.14	2.77	
04.20.2021	08:21:50	S	3344.08	W	1616.86	43	44	-1	189.50	21.80	44	10.51	0.00	0.15	2.83	
04.20.2021	08:22:50	S	3344.08	W	1616.62	48	49	-1	189.45	21.79	48	10.51	0.00	0.14	2.83	
04.20.2021	08:23:50	S	3344.09	W	1616.36	49	50	-2	189.26	21.72	51	10.51	0.00	0.13	2.81	
04.20.2021	08:24:50	S	3344.09	W	1616.14	44	45	1	189.47	21.77	44	10.52	0.00	0.14	2.78	
04.20.2021	08:25:50	S	3344.1	W	1615.86	47	48	-1	189.67	21.80	48	10.50	0.00	0.13	-0.36	
04.20.2021	08:26:50	S	3344.1	W	1615.66	45	47	-2	189.56	21.75	48	10.52	0.00	0.13	-0.37	
04.20.2021	08:27:50	S	3344.11	W	1615.42	44	43	1	189.87	21.74	42	10.51	0.00	0.14	-0.36	
04.20.2021	08:28:50	S	3344.12	W	1615.17	47	48	0	189.89	21.79	47	10.52	0.00	0.14	-0.35	
04.20.2021	08:29:50	S	3344.12	W	1614.93	48	50	-3	189.97	21.76	50	10.52	0.00	0.15	-0.37	
04.20.2021	08:30:44	S	3344.13	W	1614.69	47	47	3	190.08	21.74	43	10.51	0.00	0.14	2.77	
04.20.2021	08:31:44	S	3344.13	W	1614.44	51	51	3	190.21	21.76	48	10.52	0.00	0.14	2.81	
04.20.2021	08:32:44	S	3344.14	W	1614.2	46	48	-1	190.32	21.77	48	10.51	0.00	0.14	2.76	
04.20.2021	08:33:44	S	3344.15	W	1613.93	44	45	4	190.36	21.77	40	10.50	0.00	0.14	2.78	
04.20.2021	08:34:44	S	3344.15	W	1613.72	50	51	3	190.30	21.72	47	10.52	0.00	0.14	2.82	
04.20.2021	08:35:44	S	3344.16	W	1613.56	43	45	1	190.41	21.76	42	10.51	0.00	0.14	-0.36	
04.20.2021	08:36:44	S	3344.16	W	1613.56	44	45	4	190.41	21.72	40	10.52	0.00	0.15	-0.38	
04.20.2021	08:37:44	S	3344.17	W	1612.98	50	50	7	190.36	21.72	42	10.52	0.00	0.15	-0.37	
04.20.2021	08:38:44	S	3344.18	W	1612.74	42	44	-1	190.54	21.73	44	10.50	0.00	0.12	-0.37	
04.20.2021	08:39:44	S	3344.19	W	1612.49	43	43	5	190.47	21.70	38	10.51	0.00	0.15	-0.37	
04.20.2021	08:40:47	S	3344.19	W	1612.28	47	48	3	190.60	21.74	44	10.51	0.00	0.15	2.76	
04.20.2021	08:41:47	S	3344.2	W	1612.03	43	45	2	190.39	21.70	42	10.50	0.00	0.16	2.74	
04.20.2021	08:42:47	S	3344.21	W	1611.77	44	44	5	190.36	21.71	39	10.52	0.00	0.14	2.69	
04.20.2021	08:43:47	S	3344.22	W	1611.54	46	47	1	190.36	21.75	45	10.50	0.00	0.15	2.71	
04.20.2021	08:44:47	S	3344.22	W	1611.3	42	44	-1	190.06	21.66	43	10.52	0.00	0.13	2.67	
04.20.2021	08:45:47	S	3344.23	W	1611.08	43	44	4	190.06	21.71	39	10.51	0.00	0.14	-0.38	
04.20.2021	08:46:47	S	3344.23	W	1610.79	48	50	1	189.78	21.64	47	10.51	0.00	0.14	-0.38	
04.20.2021	08:47:47	S	3344.24	W	1610.58	44	46	-1	189.78	21.70	44	10.51	0.00	0.13	-0.38	
04.20.2021	08:48:47	S	3344.25	W	1610.36	46	46	2	189.56	21.69	43	10.51	0.00	0.14	-0.36	
04.20.2021	08:49:47	S	3344.25	W	1610.12	49	50	2	189.58	21.75	46	10.50	0.00	0.16	-0.36	
04.20.2021	08:50:42	S	3344.26	W	1609.83	42	44	-2	189.19	21.64	44	10.49	0.00	0.13	-0.37	
04.20.2021	08:51:42	S	3344.27	W	1609.59	44	45	1	189.30	21.65	43	10.52	0.00	0.14	2.77	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0									Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.	
04.20.2021	08:52:42	S	3344.27	W	1609.37	48	48	-1	189.58	21.74	48	10.50	0.00	0.15	2.74	
04.20.2021	08:53:42	S	3344.28	W	1609.14	43	44	-3	189.50	21.70	45	10.51	0.00	0.15	2.75	
04.20.2021	08:54:42	S	3344.29	W	1608.88	45	45	-1	189.50	21.69	45	10.51	0.00	0.13	2.81	
04.20.2021	08:55:42	S	3344.29	W	1608.64	48	49	-2	189.56	21.71	50	10.52	0.00	0.13	2.76	
04.20.2021	08:56:42	S	3344.3	W	1608.39	42	43	-3	189.76	21.74	45	10.51	0.00	0.14	-0.37	
04.20.2021	08:57:42	S	3344.31	W	1608.18	46	46	1	189.41	21.62	45	10.52	0.00	0.12	-0.40	
04.20.2021	08:58:42	S	3344.32	W	1607.94	46	48	-3	189.54	21.69	50	10.52	0.00	0.13	-0.38	
04.20.2021	08:59:42	S	3344.32	W	1607.69	43	44	-2	189.45	21.67	45	10.51	0.00	0.14	-0.37	
04.20.2021	09:00:46	S	3344.33	W	1607.46	46	47	-1	189.58	21.66	47	10.51	0.00	0.14	-0.37	
04.20.2021	09:01:46	S	3344.33	W	1607.23	50	51	0	189.71	21.69	50	10.50	0.00	0.15	2.80	
04.20.2021	09:02:46	S	3344.34	W	1606.96	44	45	-1	190.08	21.76	45	10.50	0.00	0.14	2.77	
04.20.2021	09:03:46	S	3344.35	W	1606.72	47	47	0	190.23	21.77	46	10.51	0.00	0.14	2.77	
04.20.2021	09:04:46	S	3344.36	W	1606.49	51	51	0	190.39	21.75	50	10.51	0.00	0.16	2.82	
04.20.2021	09:05:46	S	3344.36	W	1606.25	45	47	0	190.36	21.73	45	10.56	0.00	0.14	2.74	
04.20.2021	09:06:46	S	3344.37	W	1606	48	50	4	190.49	21.75	46	10.51	0.00	0.15	-0.37	
04.20.2021	09:07:46	S	3344.38	W	1605.77	48	49	0	190.73	21.79	48	10.52	0.00	0.14	-0.37	
04.20.2021	09:08:46	S	3344.39	W	1605.51	45	46	2	190.65	21.80	43	10.51	0.00	0.13	-0.37	
04.20.2021	09:09:46	S	3344.39	W	1605.28	50	51	4	190.91	21.89	46	10.51	0.00	0.12	-0.38	
04.20.2021	09:10:47	S	3344.4	W	1605.05	50	51	3	190.84	21.84	47	10.51	0.00	0.15	-0.37	
04.20.2021	09:11:47	S	3344.4	W	1604.8	46	47	2	191.12	21.90	44	10.50	0.00	0.15	2.75	
04.20.2021	09:12:47	S	3344.41	W	1604.56	48	49	3	191.12	21.95	46	10.50	0.00	0.14	2.65	
04.20.2021	09:13:47	S	3344.42	W	1604.35	46	48	1	190.93	21.87	45	10.50	0.00	0.17	2.67	
04.20.2021	09:14:47	S	3344.42	W	1604.11	40	42	1	191.12	21.96	40	10.52	0.00	0.15	2.71	
04.20.2021	09:15:47	S	3344.43	W	1603.84	49	49	3	191.15	22.01	45	10.52	0.00	0.15	2.71	
04.20.2021	09:16:47	S	3344.43	W	1603.61	47	48	1	190.91	21.93	46	10.50	0.00	0.12	2.77	
04.20.2021	09:17:47	S	3344.44	W	1603.36	41	42	-1	190.91	21.91	43	10.51	0.00	0.13	-0.38	
04.20.2021	09:18:47	S	3344.45	W	1603.13	48	49	-1	190.91	21.90	49	10.51	0.00	0.13	-0.38	
04.20.2021	09:19:47	S	3344.45	W	1602.9	46	48	-2	190.89	21.91	49	10.52	0.00	0.12	-0.39	
04.20.2021	09:20:44	S	3344.46	W	1602.63	41	43	-3	190.91	21.90	44	10.50	0.00	0.15	-0.37	
04.20.2021	09:21:44	S	3344.46	W	1602.38	45	46	-0	190.89	21.95	45	10.53	0.00	0.14	-0.37	
04.20.2021	09:22:44	S	3344.47	W	1602.18	46	48	-4	190.80	21.95	50	10.51	0.00	0.15	2.68	
04.20.2021	09:23:44	S	3344.47	W	1601.91	42	43	-2	190.78	21.93	43	10.51	0.00	0.14	2.64	
04.20.2021	09:24:44	S	3344.48	W	1601.66	48	49	-3	190.73	21.93	50	10.52	0.00	0.16	2.61	
04.20.2021	09:25:44	S	3344.48	W	1601.41	47	49	-5	190.84	21.91	52	10.51	0.00	0.15	2.61	
04.20.2021	09:26:44	S	3344.49	W	1601.19	41	41	-2	190.93	21.98	41	10.51	0.00	0.13	2.73	
04.20.2021	09:27:44	S	3344.5	W	1600.96	46	47	-3	190.93	21.94	49	10.50	0.00	0.11	-0.37	
04.20.2021	09:28:44	S	3344.51	W	1600.71	43	46	-6	191.04	21.95	50	10.51	0.00	0.13	-0.38	
04.20.2021	09:29:44	S	3344.52	W	1600.49	40	40	-1	190.82	21.90	41	10.52	0.00	0.14	-0.37	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	09:30:42	S	3344.52	W	1600.22	46	47	-2	190.84	21.93	48	10.50	0.00	0.14	-0.39	
04.20.2021	09:31:42	S	3344.53	W	1559.97	45	46	-4	190.95	21.98	48	10.55	0.00	0.15	-0.37	
04.20.2021	09:32:42	S	3344.54	W	1559.74	44	44	0	191.15	22.05	43	10.52	0.00	0.13	2.80	
04.20.2021	09:33:42	S	3344.54	W	1559.52	47	48	2	191.10	22.01	45	10.52	0.00	0.17	2.78	
04.20.2021	09:34:42	S	3344.56	W	1559.26	45	47	-3	190.89	22.03	49	10.51	0.00	0.15	2.79	
04.20.2021	09:35:42	S	3344.57	W	1559.04	44	45	5	190.93	22.16	39	10.52	0.00	0.15	2.73	
04.20.2021	09:36:42	S	3344.58	W	1558.76	48	48	4	190.93	22.27	44	10.51	0.00	0.14	2.74	
04.20.2021	09:37:42	S	3344.59	W	1558.53	45	47	2	190.63	22.22	43	10.51	0.00	0.14	-0.37	
04.20.2021	09:38:42	S	3344.6	W	1558.29	45	46	6	190.49	22.27	39	10.51	0.00	0.15	-0.37	
04.20.2021	09:39:42	S	3344.61	W	1558.08	47	49	5	190.39	22.27	43	10.52	0.00	0.13	-0.38	
04.20.2021	09:40:44	S	3344.63	W	1557.8	44	46	1	190.39	22.31	44	10.50	0.00	0.14	-0.37	
04.20.2021	09:41:44	S	3344.64	W	1557.6	44	44	6	190.23	22.30	38	10.51	0.00	0.13	-0.35	
04.20.2021	09:42:44	S	3344.65	W	1557.32	49	51	3	190.47	22.34	46	10.49	0.00	0.14	-0.33	
04.20.2021	09:43:44	S	3344.66	W	1557.08	45	47	-0	190.80	22.39	46	10.50	0.00	0.15	2.78	
04.20.2021	09:44:44	S	3344.67	W	1556.87	46	47	4	190.80	22.34	42	10.52	0.00	0.14	2.77	
04.20.2021	09:45:44	S	3344.69	W	1556.59	49	50	4	190.73	22.34	46	10.52	0.00	0.14	2.79	
04.20.2021	09:46:44	S	3344.7	W	1556.38	44	46	-1	190.93	22.38	45	10.52	0.00	0.13	2.80	
04.20.2021	09:47:44	S	3344.71	W	1556.12	46	46	2	191.19	22.45	44	10.51	0.00	0.11	2.82	
04.20.2021	09:48:44	S	3344.73	W	1555.86	48	49	0	191.30	22.42	47	10.50	0.00	0.15	-0.38	
04.20.2021	09:49:44	S	3344.74	W	1555.65	42	44	-5	191.32	22.44	48	10.51	0.00	0.14	-0.38	
04.20.2021	09:50:44	S	3344.75	W	1555.4	47	47	3	191.32	22.38	44	10.50	0.00	0.15	-0.38	
04.20.2021	09:51:44	S	3344.77	W	1555.14	47	49	-2	191.30	22.35	49	10.50	0.00	0.16	-0.37	
04.20.2021	09:52:44	S	3344.78	W	1554.93	42	44	-3	191.21	22.36	46	10.51	0.00	0.15	-0.24	
04.20.2021	09:53:44	S	3344.8	W	1554.65	47	47	1	191.25	22.37	45	10.51	0.00	0.16	2.77	
04.20.2021	09:54:44	S	3344.81	W	1554.45	48	49	-2	191.06	22.34	50	10.52	0.00	0.15	2.76	
04.20.2021	09:55:44	S	3344.82	W	1554.21	43	45	-3	191.19	22.34	46	10.50	0.00	0.16	2.74	
04.20.2021	09:56:44	S	3344.84	W	1553.94	47	47	0	191.43	22.42	46	10.52	0.00	0.13	2.73	
04.20.2021	09:57:44	S	3344.85	W	1553.68	49	50	-2	191.34	22.42	51	10.51	0.00	0.13	2.80	
04.20.2021	09:58:44	S	3344.87	W	1553.45	41	42	-3	191.19	22.41	44	10.51	0.00	0.12	-0.35	
04.20.2021	09:59:44	S	3344.89	W	1553.21	46	46	0	190.95	22.36	45	10.52	0.00	0.13	-0.39	
04.20.2021	10:00:44	S	3344.91	W	1552.96	46	46	-0	190.93	22.37	46	10.51	0.00	0.15	-0.37	
04.20.2021	10:01:44	S	3344.92	W	1552.72	41	43	0	190.49	22.27	42	10.51	0.00	0.12	-0.36	
04.20.2021	10:02:44	S	3344.93	W	1552.48	44	45	2	190.58	22.38	42	10.50	0.00	0.15	-0.39	
04.20.2021	10:03:44	S	3344.95	W	1552.23	46	48	2	190.32	22.37	44	10.51	0.00	0.15	2.80	
04.20.2021	10:04:44	S	3344.96	W	1551.99	39	41	1	190.32	22.46	39	10.52	0.00	0.15	2.76	
04.20.2021	10:05:44	S	3344.98	W	1551.75	47	48	3	190.10	22.40	44	10.52	0.00	0.16	2.82	
04.20.2021	10:06:44	S	3345	W	1551.5	46	48	2	189.97	22.45	44	10.51	0.00	0.15	2.81	
04.20.2021	10:07:44	S	3345.01	W	1551.29	41	42	2	190.02	22.52	39	10.52	0.00	0.15	2.82	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	10:08:44	S	3345.03	W	1551.04	47	48	1	189.87	22.49	45	10.51	0.00	0.13	2.82	
04.20.2021	10:09:44	S	3345.04	W	1550.78	47	49	-1	189.82	22.56	48	10.51	0.00	0.13	-0.37	
04.20.2021	10:10:46	S	3345.06	W	1550.55	43	44	1	189.91	22.56	42	10.51	0.00	0.15	-0.38	
04.20.2021	10:11:46	S	3345.07	W	1550.33	47	48	0	190.02	22.62	47	10.51	0.00	0.13	-0.37	
04.20.2021	10:12:46	S	3345.09	W	1550.1	46	48	-3	190.10	22.65	49	10.50	0.00	0.13	-0.38	
04.20.2021	10:13:46	S	3345.11	W	1549.86	42	43	-0	190.10	22.62	42	10.51	0.00	0.15	-0.37	
04.20.2021	10:14:46	S	3345.12	W	1549.63	47	47	-3	190.06	22.62	49	10.51	0.00	0.14	2.83	
04.20.2021	10:15:46	S	3345.14	W	1549.36	47	49	-3	190.13	22.63	51	10.52	0.00	0.15	2.84	
04.20.2021	10:16:46	S	3345.15	W	1549.12	41	42	-2	190.32	22.71	43	10.52	0.00	0.14	2.84	
04.20.2021	10:17:46	S	3345.17	W	1548.88	46	48	-2	190.30	22.69	49	10.50	0.00	0.15	2.87	
04.20.2021	10:18:46	S	3345.19	W	1548.66	44	45	-7	190.39	22.67	50	10.52	0.00	0.13	2.82	
04.20.2021	10:19:46	S	3345.2	W	1548.39	41	42	-2	190.58	22.76	44	10.52	0.00	0.14	-0.38	
04.20.2021	10:20:48	S	3345.22	W	1548.18	48	49	-3	190.49	22.71	51	10.50	0.00	0.14	-0.38	
04.20.2021	10:21:48	S	3345.24	W	1547.94	47	48	-3	190.54	22.69	50	10.52	0.00	0.13	-0.37	
04.20.2021	10:22:48	S	3345.25	W	1547.71	41	41	-2	190.69	22.75	42	10.51	0.00	0.14	-0.37	
04.20.2021	10:23:48	S	3345.27	W	1547.49	48	49	1	190.63	22.74	48	10.50	0.00	0.16	-0.34	
04.20.2021	10:24:48	S	3345.29	W	1547.23	44	46	-1	190.60	22.73	46	10.49	0.00	0.15	2.85	
04.20.2021	10:25:48	S	3345.3	W	1547.01	44	44	0	190.65	22.71	44	10.50	0.00	0.14	2.82	
04.20.2021	10:26:48	S	3345.32	W	1546.75	52	52	1	190.60	22.74	51	10.51	0.00	0.14	2.84	
04.20.2021	10:27:48	S	3345.33	W	1546.55	47	49	-2	190.71	22.76	49	10.46	0.00	0.15	2.84	
04.20.2021	10:28:48	S	3345.35	W	1546.3	45	45	5	190.32	22.70	40	10.52	0.00	0.13	2.80	
04.20.2021	10:29:48	S	3345.36	W	1546.05	47	48	3	190.23	22.73	45	10.50	0.00	0.12	-0.38	
04.20.2021	10:30:50	S	3345.37	W	1545.82	42	44	2	190.06	22.66	41	10.51	0.00	0.13	-0.38	
04.20.2021	10:31:50	S	3345.38	W	1545.58	46	47	4	190.21	22.69	42	10.50	0.00	0.14	-0.38	
04.20.2021	10:32:50	S	3345.38	W	1545.33	48	50	2	190.10	22.58	47	10.51	0.00	0.13	-0.40	
04.20.2021	10:33:50	S	3345.39	W	1545.13	45	47	3	190.02	22.53	43	10.53	0.00	0.12	-0.36	
04.20.2021	10:34:50	S	3345.41	W	1544.88	45	46	3	190.08	22.50	42	10.51	0.00	0.16	-0.35	
04.20.2021	10:35:50	S	3345.42	W	1544.65	49	49	3	190.21	22.48	45	10.51	0.00	0.14	2.75	
04.20.2021	10:36:50	S	3345.42	W	1544.41	44	46	-1	190.23	22.48	45	10.50	0.00	0.17	2.80	
04.20.2021	10:37:50	S	3345.44	W	1544.17	45	46	3	190.32	22.49	42	10.51	0.00	0.15	2.84	
04.20.2021	10:38:50	S	3345.45	W	1543.91	50	51	1	190.28	22.49	49	10.51	0.00	0.15	2.85	
04.20.2021	10:39:50	S	3345.46	W	1543.68	44	46	-1	190.41	22.45	45	10.50	0.00	0.15	2.83	
04.20.2021	10:40:47	S	3345.47	W	1543.46	46	47	2	190.43	22.46	44	10.52	0.00	0.13	-0.37	
04.20.2021	10:41:47	S	3345.48	W	1543.21	47	48	-2	190.41	22.46	49	10.52	0.00	0.14	-0.37	
04.20.2021	10:42:47	S	3345.49	W	1542.99	42	44	-4	190.47	22.45	46	10.52	0.00	0.15	-0.37	
04.20.2021	10:43:47	S	3345.5	W	1542.73	45	46	1	190.65	22.48	44	10.51	0.00	0.14	-0.35	
04.20.2021	10:44:47	S	3345.51	W	1542.5	48	49	-4	190.58	22.45	52	10.51	0.00	0.17	-0.37	
04.20.2021	10:45:47	S	3345.52	W	1542.28	44	45	-1	190.69	22.45	45	10.49	0.00	0.16	2.83	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	10:46:47	S	3345.53	W	1542.05	45	45	-3	190.65	22.48	48	10.51	0.00	0.15	2.79	
04.20.2021	10:47:47	S	3345.54	W	1541.81	47	48	-3	190.69	22.48	50	10.51	0.00	0.14	2.82	
04.20.2021	10:48:47	S	3345.55	W	1541.6	43	45	-5	190.78	22.48	48	10.51	0.00	0.15	2.84	
04.20.2021	10:49:47	S	3345.56	W	1541.34	46	46	-3	190.69	22.42	48	10.51	0.00	0.12	2.78	
04.20.2021	10:50:45	S	3345.57	W	1541.07	50	50	0	190.60	22.37	50	10.51	0.00	0.11	-0.37	
04.20.2021	10:51:45	S	3345.57	W	1540.84	40	42	-4	190.91	22.45	45	10.53	0.00	0.13	-0.37	
04.20.2021	10:52:45	S	3345.58	W	1540.62	48	48	-2	190.69	22.35	50	10.51	0.00	0.14	-0.35	
04.20.2021	10:53:45	S	3345.58	W	1540.36	49	49	-2	191.02	22.44	51	10.51	0.00	0.12	-0.36	
04.20.2021	10:54:45	S	3345.59	W	1540.13	42	43	-5	190.32	22.20	47	10.51	0.00	0.15	-0.37	
04.20.2021	10:55:45	S	3345.59	W	1539.89	47	47	3	190.32	22.19	44	10.50	0.00	0.15	2.84	
04.20.2021	10:56:45	S	3345.6	W	1539.68	46	47	1	189.97	22.11	45	10.51	0.00	0.15	2.83	
04.20.2021	10:57:45	S	3345.59	W	1539.43	44	45	2	189.89	22.05	43	10.61	0.00	0.15	2.89	
04.20.2021	10:58:45	S	3345.58	W	1539.18	48	49	4	189.69	21.97	44	10.51	0.00	0.16	2.85	
04.20.2021	10:59:45	S	3345.57	W	1538.94	51	53	3	189.37	21.89	48	10.53	0.00	0.15	2.78	
04.20.2021	11:00:48	S	3345.56	W	1538.74	46	47	3	189.61	21.91	43	10.52	0.00	0.12	-0.36	
04.20.2021	11:01:48	S	3345.54	W	1538.47	49	50	2	189.37	21.94	47	10.51	0.00	0.14	-0.37	
04.20.2021	11:02:48	S	3345.53	W	1538.24	49	51	3	189.47	21.87	46	10.51	0.00	0.13	-0.37	
04.20.2021	11:03:48	S	3345.53	W	1538.01	42	44	2	189.54	21.88	40	10.53	0.00	0.13	-0.39	
04.20.2021	11:04:48	S	3345.52	W	1537.77	48	49	5	189.30	21.83	44	10.51	0.00	0.11	-0.38	
04.20.2021	11:05:48	S	3345.51	W	1537.53	51	52	4	189.58	21.84	47	10.52	0.00	0.16	-0.36	
04.20.2021	11:06:48	S	3345.49	W	1537.32	41	42	-1	189.87	21.90	42	10.51	0.00	0.15	2.81	
04.20.2021	11:07:48	S	3345.48	W	1537.08	48	49	0	189.97	21.90	48	10.52	0.00	0.16	2.79	
04.20.2021	11:08:48	S	3345.47	W	1536.82	48	49	-1	189.71	21.81	49	10.51	0.00	0.16	2.80	
04.20.2021	11:09:48	S	3345.46	W	1536.59	44	45	-1	189.89	21.83	45	10.52	0.00	0.15	2.81	
04.20.2021	11:10:44	S	3345.45	W	1536.37	48	49	-1	189.89	21.80	48	10.51	0.00	0.12	2.82	
04.20.2021	11:11:44	S	3345.44	W	1536.15	49	51	-2	189.65	21.72	51	10.50	0.00	0.15	-0.37	
04.20.2021	11:12:44	S	3345.43	W	1535.88	42	44	-2	189.82	21.76	45	10.50	0.00	0.13	-0.36	
04.20.2021	11:13:44	S	3345.42	W	1535.65	49	50	-1	190.08	21.81	51	10.51	0.00	0.13	-0.37	
04.20.2021	11:14:44	S	3345.41	W	1535.41	47	49	-4	190.10	21.77	51	10.51	0.00	0.14	-0.38	
04.20.2021	11:15:44	S	3345.39	W	1535.2	45	45	0	190.30	21.80	44	10.53	0.00	0.14	-0.38	
04.20.2021	11:16:44	S	3345.38	W	1534.93	51	52	2	190.21	21.70	49	10.50	0.00	0.15	2.81	
04.20.2021	11:17:44	S	3345.37	W	1534.7	51	53	-3	190.43	21.74	54	10.51	0.00	0.15	2.82	
04.20.2021	11:18:44	S	3345.36	W	1534.48	46	47	-2	190.84	21.79	48	10.50	0.00	0.15	2.86	
04.20.2021	11:19:44	S	3345.35	W	1534.24	52	52	0	190.91	21.74	51	10.51	0.00	0.15	2.83	
04.20.2021	11:20:50	S	3345.35	W	1533.98	50	51	-1	190.95	21.76	50	10.51	0.00	0.15	2.83	
04.20.2021	11:21:50	S	3345.34	W	1533.77	48	49	-0	191.06	21.80	48	10.50	0.00	0.13	-0.36	
04.20.2021	11:22:50	S	3345.34	W	1533.54	51	52	1	190.71	21.69	50	10.51	0.00	0.13	-0.37	
04.20.2021	11:23:50	S	3345.33	W	1533.31	49	51	0	190.63	21.76	49	10.50	0.00	0.13	-0.36	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0									Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.	
04.20.2021	11:24:50	S	3345.33	W	1533.06	50	50	4	190.28	21.66	46	10.51	0.00	0.13	-0.38	
04.20.2021	11:25:50	S	3345.33	W	1532.81	54	55	4	190.39	21.70	50	10.51	0.00	0.14	-0.37	
04.20.2021	11:26:50	S	3345.33	W	1532.6	47	49	1	190.21	21.67	47	10.52	0.00	0.14	2.85	
04.20.2021	11:27:50	S	3345.33	W	1532.33	49	49	7	189.97	21.64	42	10.52	0.00	0.15	2.85	
04.20.2021	11:28:50	S	3345.33	W	1532.12	50	52	3	190.19	21.67	47	10.51	0.00	0.14	2.85	
04.20.2021	11:29:50	S	3345.33	W	1531.92	48	51	2	190.30	21.67	47	10.52	0.00	0.15	2.85	
04.20.2021	11:30:42	S	3345.33	W	1531.64	49	51	4	190.30	21.67	46	10.50	0.00	0.16	2.86	
04.20.2021	11:31:42	S	3345.33	W	1531.43	52	53	3	190.39	21.69	49	10.52	0.00	0.13	2.88	
04.20.2021	11:32:42	S	3345.35	W	1531.18	46	48	0	190.19	21.67	47	10.51	0.00	0.13	-0.34	
04.20.2021	11:33:42	S	3345.36	W	1530.95	43	45	2	190.43	21.71	42	10.51	0.00	0.14	-0.36	
04.20.2021	11:34:42	S	3345.38	W	1530.71	46	48	1	190.19	21.67	46	10.49	0.00	0.13	-0.37	
04.20.2021	11:35:42	S	3345.38	W	1530.46	44	46	-1	190.19	21.64	46	10.51	0.00	0.13	-0.37	
04.20.2021	11:36:42	S	3345.38	W	1530.23	50	50	4	190.30	21.66	46	10.51	0.00	0.17	-0.36	
04.20.2021	11:37:42	S	3345.39	W	1530	54	55	1	190.39	21.72	53	10.51	0.00	0.16	2.86	
04.20.2021	11:38:42	S	3345.41	W	1529.76	46	48	1	190.43	21.69	46	10.51	0.00	0.17	2.88	
04.20.2021	11:39:42	S	3345.43	W	1529.53	48	48	3	190.28	21.69	45	10.51	0.00	0.15	2.83	
04.20.2021	11:40:51	S	3345.43	W	1529.48	52	52	0	190.39	21.73	51	10.51	0.00	0.15	2.85	
04.20.2021	11:41:51	S	3345.46	W	1529.04	46	47	1	190.54	21.74	44	10.52	0.00	0.15	2.84	
04.20.2021	11:42:51	S	3345.47	W	1528.84	50	49	2	190.54	21.67	48	10.52	0.00	0.13	-0.37	
04.20.2021	11:43:51	S	3345.49	W	1528.59	51	51	1	190.58	21.74	49	10.50	0.00	0.13	-0.37	
04.20.2021	11:44:51	S	3345.5	W	1528.36	44	46	-2	190.63	21.72	46	10.52	0.00	0.13	-0.37	
04.20.2021	11:45:51	S	3345.52	W	1528.13	49	49	2	190.58	21.67	47	10.51	0.00	0.11	-0.37	
04.20.2021	11:46:51	S	3345.54	W	1527.87	50	51	3	190.47	21.72	46	10.52	0.00	0.11	-0.37	
04.20.2021	11:47:51	S	3345.55	W	1527.66	43	44	0	190.54	21.67	43	10.52	0.00	0.15	2.86	
04.20.2021	11:48:51	S	3345.57	W	1527.41	50	51	3	190.28	21.67	47	10.52	0.00	0.14	2.84	
04.20.2021	11:49:51	S	3345.58	W	1527.19	52	51	5	190.47	21.73	46	10.51	0.00	0.14	2.89	
04.20.2021	11:50:46	S	3345.6	W	1526.95	43	44	2	189.97	21.62	41	10.51	0.00	0.15	2.85	
04.20.2021	11:51:46	S	3345.62	W	1526.7	49	49	4	190.19	21.73	45	10.52	0.00	0.14	2.86	
04.20.2021	11:52:46	S	3345.64	W	1526.49	49	50	4	189.91	21.70	45	10.51	0.00	0.15	-0.36	
04.20.2021	11:53:46	S	3345.66	W	1526.24	43	44	5	189.54	21.67	38	10.52	0.00	0.13	-0.37	
04.20.2021	11:54:46	S	3345.67	W	1526.03	48	49	5	189.34	21.63	43	10.50	0.00	0.14	-0.38	
04.20.2021	11:55:46	S	3345.69	W	1525.8	47	49	2	189.54	21.66	45	10.53	0.00	0.14	-0.38	
04.20.2021	11:56:46	S	3345.71	W	1525.57	43	45	4	189.61	21.69	39	10.50	0.00	0.12	-0.38	
04.20.2021	11:57:46	S	3345.73	W	1525.33	50	51	5	189.54	21.71	45	10.52	0.00	0.47	-0.36	
04.20.2021	11:58:46	S	3345.75	W	1525.1	49	51	5	189.45	21.67	45	10.52	0.00	0.15	2.87	
04.20.2021	11:59:46	S	3345.76	W	1524.85	44	45	-0	189.54	21.69	44	10.51	0.00	0.15	2.89	
04.20.2021	12:00:45	S	3345.78	W	1524.63	51	52	3	189.50	21.65	48	10.51	0.00	0.33	2.90	
04.20.2021	12:01:45	S	3345.8	W	1524.4	50	51	-0	189.78	21.69	50	10.50	0.00	0.14	2.87	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	12:02:45	S	3345.82	W	1524.16	44	46	1	189.91	21.59	43	10.50	0.00	0.13	2.87	
04.20.2021	12:03:45	S	3345.84	W	1523.93	50	51	1	190.08	21.70	49	10.52	0.00	0.13	-0.37	
04.20.2021	12:04:45	S	3345.86	W	1523.67	51	52	-1	190.00	21.65	52	10.52	0.00	0.13	-0.40	
04.20.2021	12:05:45	S	3345.87	W	1523.45	45	46	3	190.02	21.59	42	10.50	0.00	0.12	-0.38	
04.20.2021	12:06:45	S	3345.89	W	1523.22	50	51	-1	190.47	21.72	50	10.49	0.00	0.13	-0.38	
04.20.2021	12:07:45	S	3345.91	W	1522.98	47	49	-3	190.43	21.70	50	10.51	0.00	0.14	-0.36	
04.20.2021	12:08:45	S	3345.93	W	1522.72	44	47	1	190.32	21.65	44	10.51	0.00	0.15	2.87	
04.20.2021	12:09:45	S	3345.95	W	1522.5	50	51	1	190.54	21.69	49	10.52	0.00	0.15	2.87	
04.20.2021	12:10:51	S	3345.96	W	1522.26	46	48	-3	190.71	21.69	49	10.52	0.00	0.14	2.83	
04.20.2021	12:11:51	S	3345.98	W	1522.05	43	43	-2	190.69	21.66	44	10.51	0.00	0.15	2.83	
04.20.2021	12:12:51	S	3346	W	1521.81	50	51	1	190.93	21.71	49	10.51	0.00	0.15	2.84	
04.20.2021	12:13:51	S	3346.01	W	1521.58	47	49	-2	190.80	21.66	50	10.50	0.00	0.13	-0.38	
04.20.2021	12:14:51	S	3346.03	W	1521.33	46	46	5	190.78	21.60	41	10.50	0.00	0.12	-0.37	
04.20.2021	12:15:51	S	3346.05	W	1521.12	50	51	3	191.04	21.69	47	10.51	0.00	0.13	-0.39	
04.20.2021	12:16:51	S	3346.07	W	1520.87	49	51	3	190.91	21.66	47	10.50	0.00	0.13	-0.36	
04.20.2021	12:17:51	S	3346.09	W	1520.62	47	48	6	190.95	21.70	41	10.52	0.00	0.14	-0.35	
04.20.2021	12:18:51	S	3346.1	W	1520.39	50	51	4	190.95	21.72	46	10.52	0.00	0.15	2.84	
04.20.2021	12:19:51	S	3346.12	W	1520.17	48	51	1	190.78	21.69	47	10.51	0.00	0.15	2.83	
04.20.2021	12:20:44	S	3346.14	W	1519.96	47	48	6	190.54	21.69	41	10.52	0.00	0.14	2.84	
04.20.2021	12:21:44	S	3346.16	W	1519.68	49	51	6	190.39	21.73	43	10.52	0.00	0.13	2.84	
04.20.2021	12:22:44	S	3346.18	W	1519.44	45	47	2	190.08	21.72	43	10.50	0.00	0.16	2.85	
04.20.2021	12:23:44	S	3346.2	W	1519.2	48	48	5	189.97	21.75	43	10.51	0.00	0.12	2.83	
04.20.2021	12:24:44	S	3346.22	W	1518.99	50	51	2	189.67	21.67	48	10.51	0.00	0.13	-0.38	
04.20.2021	12:25:44	S	3346.23	W	1518.76	43	45	0	189.54	21.67	43	10.51	0.00	0.13	-0.37	
04.20.2021	12:26:44	S	3346.26	W	1518.52	46	47	3	189.58	21.69	43	10.50	0.00	0.14	-0.35	
04.20.2021	12:27:44	S	3346.28	W	1518.29	50	51	1	189.76	21.71	48	10.52	0.00	0.14	-0.37	
04.20.2021	12:28:44	S	3346.3	W	1518.03	44	45	-1	189.78	21.75	45	10.52	0.00	0.13	-0.36	
04.20.2021	12:29:44	S	3346.32	W	1517.79	49	49	2	189.41	21.63	46	10.52	0.00	0.15	2.84	
04.20.2021	12:30:46	S	3346.33	W	1517.58	49	50	1	189.89	21.76	48	10.52	0.00	0.17	2.83	
04.20.2021	12:31:46	S	3346.35	W	1517.33	44	46	-3	190.08	21.74	47	10.51	0.00	0.15	2.82	
04.20.2021	12:32:46	S	3346.37	W	1517.11	47	47	0	190.23	21.80	46	10.51	0.00	0.15	2.83	
04.20.2021	12:33:46	S	3346.39	W	1516.85	49	50	-1	190.10	21.72	50	10.51	0.00	0.14	2.78	
04.20.2021	12:34:46	S	3346.41	W	1516.64	43	44	-2	190.21	21.73	44	10.51	0.00	0.12	-0.37	
04.20.2021	12:35:46	S	3346.43	W	1516.37	48	48	2	190.30	21.73	44	10.51	0.00	0.13	-0.37	
04.20.2021	12:36:46	S	3346.45	W	1516.15	50	51	1	190.10	21.66	48	10.51	0.00	0.13	-0.37	
04.20.2021	12:37:46	S	3346.46	W	1515.94	43	45	1	190.28	21.67	42	10.51	0.00	0.12	-0.37	
04.20.2021	12:38:46	S	3346.48	W	1515.71	48	49	3	190.32	21.64	45	10.52	0.00	0.13	-0.36	
04.20.2021	12:39:46	S	3346.5	W	1515.45	49	50	5	190.23	21.63	45	10.52	0.00	0.17	2.82	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	12:40:45	S	3346.52	W	1515.21	46	46	6	190.52	21.64	40	10.52	0.00	0.12	-0.38	
04.20.2021	12:41:45	S	3346.54	W	1514.97	50	51	6	190.80	21.71	44	10.52	0.00	0.11	-0.38	
04.20.2021	12:42:45	S	3346.55	W	1514.76	44	46	1	190.78	21.73	42	10.50	0.00	0.13	-0.37	
04.20.2021	12:43:45	S	3346.57	W	1514.48	45	45	4	190.71	21.71	41	10.51	0.00	0.12	-0.35	
04.20.2021	12:44:45	S	3346.58	W	1514.3	50	51	2	190.58	21.63	48	10.49	0.00	0.16	2.85	
04.20.2021	12:45:45	S	3346.59	W	1514.05	46	49	2	190.82	21.67	45	10.52	0.00	0.15	2.85	
04.20.2021	12:46:45	S	3346.6	W	1513.81	50	50	3	190.71	21.62	46	10.51	0.00	0.15	2.83	
04.20.2021	12:47:45	S	3346.61	W	1513.57	51	52	1	190.95	21.77	50	10.51	0.00	0.15	2.83	
04.20.2021	12:48:45	S	3346.61	W	1513.32	46	48	-3	190.78	21.69	50	10.50	0.00	0.15	2.82	
04.20.2021	12:49:45	S	3346.62	W	1513.11	49	49	1	190.41	21.67	48	10.51	0.00	0.13	-0.37	
04.20.2021	12:50:49	S	3346.63	W	1512.84	50	52	-1	190.43	21.67	52	10.52	0.00	0.13	-0.36	
04.20.2021	12:51:49	S	3346.64	W	1512.58	46	47	-1	190.39	21.67	47	10.50	0.00	0.11	-0.36	
04.20.2021	12:52:49	S	3346.64	W	1512.37	50	50	3	190.39	21.69	47	10.51	0.00	0.13	-0.37	
04.20.2021	12:53:49	S	3346.65	W	1512.13	52	52	1	190.47	21.71	51	10.51	0.00	0.12	-0.37	
04.20.2021	12:54:49	S	3346.65	W	1511.88	45	47	-2	190.71	21.73	48	10.52	0.00	0.16	2.85	
04.20.2021	12:55:49	S	3346.66	W	1511.63	50	51	2	190.54	21.72	49	10.51	0.00	0.15	2.85	
04.20.2021	12:56:49	S	3346.66	W	1511.39	50	51	1	190.41	21.67	50	10.51	0.00	0.15	2.83	
04.20.2021	12:57:49	S	3346.66	W	1511.17	45	46	0	190.60	21.74	45	10.51	0.00	0.15	2.80	
04.20.2021	12:58:49	S	3346.67	W	1510.94	51	51	5	190.91	21.79	46	10.51	0.00	0.16	2.81	
04.20.2021	12:59:49	S	3346.67	W	1510.69	50	51	5	190.63	21.67	45	10.50	0.00	0.17	2.80	
04.20.2021	13:00:46	S	3346.67	W	1510.43	46	47	3	190.80	21.73	44	10.51	0.00	0.13	-0.38	
04.20.2021	13:01:46	S	3346.68	W	1510.17	48	49	5	190.73	21.73	43	10.52	0.00	0.14	-0.38	
04.20.2021	13:02:46	S	3346.68	W	1509.97	51	52	4	190.93	21.80	46	10.49	0.00	0.12	-0.37	
04.20.2021	13:03:46	S	3346.68	W	1509.72	45	46	4	190.82	21.77	41	10.52	0.00	0.13	-0.37	
04.20.2021	13:04:46	S	3346.69	W	1509.52	50	51	4	190.54	21.66	47	10.51	0.00	0.12	-0.37	
04.20.2021	13:05:46	S	3346.69	W	1509.41	49	51	2	190.54	21.69	47	10.50	0.00	0.16	2.88	
04.20.2021	13:06:46	S	3346.7	W	1509	43	45	1	190.78	21.72	42	10.52	0.00	0.15	2.83	
04.20.2021	13:07:46	S	3346.7	W	1508.74	50	51	3	190.78	21.73	47	10.52	0.00	0.15	2.86	
04.20.2021	13:08:46	S	3346.71	W	1508.51	49	51	1	190.91	21.67	49	10.51	0.00	0.15	2.83	
04.20.2021	13:09:46	S	3346.71	W	1508.26	43	44	-0	190.84	21.67	43	10.51	0.00	0.16	2.75	
04.20.2021	13:10:48	S	3346.72	W	1508.04	50	51	1	190.95	21.67	49	10.50	0.00	0.13	-0.34	
04.20.2021	13:11:48	S	3346.72	W	1507.78	47	49	-4	191.02	21.67	51	10.51	0.00	0.12	-0.37	
04.20.2021	13:12:48	S	3346.72	W	1507.54	43	44	-2	190.84	21.62	45	10.51	0.00	0.12	-0.37	
04.20.2021	13:13:48	S	3346.73	W	1507.31	48	50	-0	191.12	21.72	49	10.52	0.00	0.14	-0.35	
04.20.2021	13:14:48	S	3346.73	W	1507.03	48	49	-1	191.71	21.65	49	10.51	0.00	0.13	-0.37	
04.20.2021	13:15:48	S	3346.73	W	1506.8	45	45	2	190.78	21.66	42	10.51	0.00	0.16	2.81	
04.20.2021	13:16:48	S	3346.73	W	1506.58	51	52	2	190.80	21.71	49	10.51	0.00	0.14	2.83	
04.20.2021	13:17:48	S	3346.74	W	1506.34	45	46	0	190.47	21.65	44	10.51	0.00	0.16	2.82	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	13:18:48	S	3346.74	W	1506.09	46	46	4	190.49	21.71	42	10.51	0.00	0.14	2.82	
04.20.2021	13:19:48	S	3346.75	W	1505.84	51	52	3	190.39	21.66	48	10.51	0.00	0.15	2.82	
04.20.2021	13:20:49	S	3346.75	W	1505.6	48	50	3	190.28	21.66	46	10.51	0.00	0.15	-0.35	
04.20.2021	13:21:49	S	3346.75	W	1505.34	46	47	4	190.00	21.59	42	10.51	0.00	0.14	-0.35	
04.20.2021	13:22:49	S	3346.76	W	1505.11	48	50	4	190.23	21.70	45	10.51	0.00	0.14	-0.40	
04.20.2021	13:23:49	S	3346.76	W	1504.86	42	46	1	190.30	21.73	41	10.52	0.00	0.13	-0.37	
04.20.2021	13:24:49	S	3346.76	W	1504.64	46	46	4	190.13	21.66	41	10.51	0.00	0.13	-0.38	
04.20.2021	13:25:49	S	3346.76	W	1504.38	46	49	3	190.41	21.76	46	10.51	0.00	0.13	-0.37	
04.20.2021	13:26:49	S	3346.76	W	1504.13	45	47	1	190.32	21.67	43	10.52	0.00	0.14	2.83	
04.20.2021	13:27:49	S	3346.76	W	1503.9	48	49	4	190.58	21.76	43	10.51	0.00	0.15	2.82	
04.20.2021	13:28:49	S	3346.77	W	1503.66	49	50	1	190.43	21.67	47	10.52	0.00	0.14	2.83	
04.20.2021	13:29:49	S	3346.77	W	1503.42	43	46	-1	190.49	21.70	45	10.50	0.00	0.14	2.79	
04.20.2021	13:30:49	S	3346.77	W	1503.16	46	47	1	190.58	21.76	45	10.51	0.00	0.16	2.79	
04.20.2021	13:31:49	S	3346.77	W	1502.94	49	50	-1	190.63	21.74	50	10.51	0.00	0.13	-0.37	
04.20.2021	13:32:49	S	3346.77	W	1502.68	45	46	-1	190.32	21.61	45	10.51	0.00	0.15	-0.38	
04.20.2021	13:33:49	S	3346.78	W	1502.44	47	47	1	190.69	21.67	46	10.52	0.00	0.13	-0.38	
04.20.2021	13:34:49	S	3346.78	W	1502.21	51	51	1	190.93	21.76	49	10.50	0.00	0.14	-0.37	
04.20.2021	13:35:49	S	3346.79	W	1501.98	45	46	0	190.93	21.71	45	10.50	0.00	0.12	-0.36	
04.20.2021	13:36:49	S	3346.79	W	1501.73	49	50	4	191.02	21.66	45	10.51	0.00	0.15	2.83	
04.20.2021	13:37:49	S	3346.79	W	1501.49	51	51	1	191.15	21.69	50	10.51	0.00	0.11	2.84	
04.20.2021	13:38:49	S	3346.79	W	1501.26	46	47	2	191.82	21.77	44	10.52	0.00	0.16	2.86	
04.20.2021	13:39:49	S	3346.79	W	1501.01	51	51	5	191.67	21.70	46	10.52	0.00	0.15	2.82	
04.20.2021	13:40:49	S	3346.79	W	1500.76	52	53	2	191.82	21.74	50	10.52	0.00	0.15	2.74	
04.20.2021	13:41:49	S	3346.8	W	1500.5	45	47	4	191.84	21.77	42	10.52	0.00	0.15	-0.37	
04.20.2021	13:42:49	S	3346.8	W	1500.28	50	50	3	191.78	21.77	46	10.52	0.00	0.15	-0.39	
04.20.2021	13:43:49	S	3346.81	W	1500.03	50	52	5	191.41	21.69	45	10.51	0.00	0.13	-0.37	
04.20.2021	13:44:49	S	3346.82	W	1459.79	42	44	3	191.62	21.70	40	10.51	0.00	0.13	-0.37	
04.20.2021	13:45:49	S	3346.82	W	1459.56	50	52	3	191.34	21.74	48	10.52	0.00	0.14	-0.36	
04.20.2021	13:46:49	S	3346.84	W	1459.29	51	52	4	191.25	21.77	47	10.51	0.00	0.13	2.82	
04.20.2021	13:47:49	S	3346.86	W	1459.06	43	44	4	190.95	21.77	38	10.51	0.00	0.16	2.83	
04.20.2021	13:48:49	S	3346.87	W	1458.83	47	48	3	190.69	21.73	43	10.50	0.00	0.15	2.84	
04.20.2021	13:49:49	S	3346.89	W	1458.58	48	50	2	190.65	21.72	47	10.61	0.00	0.17	2.87	
04.20.2021	13:50:48	S	3346.9	W	1458.35	44	45	1	190.58	21.69	43	10.49	0.00	0.15	2.81	
04.20.2021	13:51:48	S	3346.91	W	1458.07	49	50	-0	190.80	21.77	49	10.50	0.00	0.16	2.80	
04.20.2021	13:52:48	S	3346.92	W	1457.85	48	50	-1	190.54	21.75	49	10.51	0.00	0.13	-0.39	
04.20.2021	13:53:48	S	3346.94	W	1457.61	43	43	0	190.41	21.76	43	10.51	0.00	0.13	-0.38	
04.20.2021	13:54:48	S	3346.96	W	1457.37	47	48	-1	190.28	21.72	48	10.50	0.00	0.13	-0.37	
04.20.2021	13:55:48	S	3346.96	W	1457.29	45	46	-5	190.21	21.73	50	10.51	0.00	0.13	-0.37	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	13:56:48	S	3346.98	W	1456.88	44	44	0	190.32	21.74	43	10.51	0.00	0.13	-0.34
04.20.2021	13:57:48	S	3347	W	1456.63	49	49	1	190.36	21.75	48	10.51	0.00	0.15	2.83
04.20.2021	13:58:48	S	3347.01	W	1456.39	48	49	-2	190.32	21.75	49	10.50	0.00	0.15	2.81
04.20.2021	13:59:48	S	3347.02	W	1456.14	43	43	0	190.32	21.71	42	10.51	0.00	0.14	2.80
04.20.2021	14:00:48	S	3347.03	W	1455.92	50	51	-0	190.65	21.80	50	10.51	0.00	0.15	2.79
04.20.2021	14:01:48	S	3347.04	W	1455.65	49	50	1	190.78	21.83	48	10.53	0.00	0.14	2.76
04.20.2021	14:02:48	S	3347.05	W	1455.43	47	46	3	190.71	21.77	43	10.50	0.00	0.14	-0.38
04.20.2021	14:03:48	S	3347.06	W	1455.19	48	49	3	190.54	21.74	45	10.53	0.00	0.14	-0.36
04.20.2021	14:04:48	S	3347.07	W	1454.95	44	47	1	190.78	21.79	44	10.51	0.00	0.14	-0.36
04.20.2021	14:05:48	S	3347.09	W	1454.68	45	45	5	190.73	21.77	40	10.52	0.00	0.13	-0.37
04.20.2021	14:06:48	S	3347.09	W	1454.48	52	53	4	190.99	21.77	48	10.51	0.00	0.13	-0.36
04.20.2021	14:07:48	S	3347.1	W	1454.23	46	49	3	191.02	21.79	44	10.52	0.00	0.12	2.84
04.20.2021	14:08:48	S	3347.12	W	1453.99	45	46	6	190.99	21.80	39	10.52	0.00	0.15	2.83
04.20.2021	14:09:48	S	3347.13	W	1453.73	50	51	3	190.99	21.79	47	10.51	0.00	0.18	2.82
04.20.2021	14:10:45	S	3347.13	W	1453.52	44	47	1	190.91	21.75	44	10.50	0.00	0.14	2.87
04.20.2021	14:11:45	S	3347.14	W	1453.21	47	47	3	190.78	21.73	43	10.53	0.00	0.15	2.84
04.20.2021	14:12:45	S	3347.15	W	1453.01	50	52	4	190.63	21.72	47	10.52	0.00	0.16	-0.36
04.20.2021	14:13:45	S	3347.16	W	1452.76	45	47	0	190.69	21.75	44	10.51	0.00	0.13	-0.37
04.20.2021	14:14:45	S	3347.17	W	1452.51	45	46	2	190.73	21.77	43	10.52	0.00	0.12	-0.36
04.20.2021	14:15:45	S	3347.18	W	1452.27	48	50	1	190.30	21.71	47	10.51	0.00	0.13	-0.39
04.20.2021	14:16:45	S	3347.18	W	1452.04	43	46	-2	190.43	21.75	46	10.51	0.00	0.13	-0.38
04.20.2021	14:17:45	S	3347.2	W	1451.76	46	47	2	190.49	21.80	43	10.52	0.00	0.13	-0.36
04.20.2021	14:18:45	S	3347.2	W	1451.52	48	50	2	190.52	21.79	47	10.51	0.00	0.16	2.84
04.20.2021	14:19:45	S	3347.21	W	1451.3	43	44	-1	190.41	21.76	43	10.51	0.00	0.15	2.80
04.20.2021	14:20:45	S	3347.22	W	1451.06	48	49	-0	190.43	21.72	48	10.51	0.00	0.16	2.82
04.20.2021	14:21:45	S	3347.23	W	1450.82	51	52	1	190.58	21.73	50	10.52	0.00	0.15	2.82
04.20.2021	14:22:45	S	3347.25	W	1450.57	43	45	-1	190.78	21.74	44	10.51	0.00	0.16	2.81
04.20.2021	14:23:45	S	3347.26	W	1450.31	46	46	0	191.06	21.77	45	10.51	0.00	0.15	-0.38
04.20.2021	14:24:45	S	3347.27	W	1450.11	51	51	0	191.21	21.73	50	10.53	0.00	0.13	-0.37
04.20.2021	14:25:45	S	3347.28	W	1449.82	43	44	-4	191.19	21.75	47	10.51	0.00	0.13	-0.37
04.20.2021	14:26:45	S	3347.29	W	1449.6	50	50	1	191.47	21.77	49	10.51	0.00	0.15	-0.37
04.20.2021	14:27:45	S	3347.31	W	1449.35	51	52	1	191.67	21.75	50	10.51	0.00	0.12	-0.37
04.20.2021	14:28:45	S	3347.31	W	1449.12	44	45	1	191.84	21.76	42	10.49	0.00	0.13	2.86
04.20.2021	14:29:45	S	3347.33	W	1448.86	50	50	5	191.88	21.77	44	10.50	0.00	0.15	2.82
04.20.2021	14:30:45	S	3347.33	W	1448.62	51	51	5	192.04	21.77	45	10.52	0.00	0.17	2.84
04.20.2021	14:31:45	S	3347.34	W	1448.36	43	44	3	192.04	21.77	41	10.49	0.00	0.15	2.82
04.20.2021	14:32:45	S	3347.35	W	1448.12	51	52	4	191.86	21.79	47	10.50	0.00	0.16	2.84
04.20.2021	14:33:45	S	3347.37	W	1447.87	49	51	3	192.01	21.74	47	10.49	0.00	0.14	-0.37

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0									Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.	
04.20.2021	14:34:45	S	3347.38	W	1447.63	-6	-5	-4	191.62	21.71	-2	10.51	0.00	0.13	-0.34	
04.20.2021	14:35:45	S	3347.39	W	1447.41	-6	-5	-4	186.68	21.80	-2	10.52	0.00	0.13	-0.38	
04.20.2021	14:36:45	S	3347.4	W	1447.17	-8	-7	-6	181.71	21.77	-2	10.51	0.00	0.15	-0.36	
04.20.2021	14:37:45	S	3347.4	W	1446.93	-7	-6	-4	177.82	21.74	-3	10.51	0.00	0.15	-0.36	
04.20.2021	14:38:45	S	3347.41	W	1446.65	-8	-6	-5	174.50	21.75	-4	10.54	0.00	0.16	-0.37	
04.20.2021	14:39:45	S	3347.42	W	1446.4	-6	-5	-4	171.94	21.82	-2	10.52	0.00	0.14	-0.37	
04.20.2021	14:40:49	S	3347.43	W	1446.18	-7	-6	-5	169.38	21.85	-2	10.51	0.00	0.16	-0.36	
04.20.2021	14:41:49	S	3347.44	W	1445.94	-8	-7	-5	167.17	21.91	-3	10.51	0.00	0.13	-0.35	
04.20.2021	14:42:49	S	3347.44	W	1445.69	-7	-6	-5	164.54	22.12	-2	10.51	0.00	0.15	-0.36	
04.20.2021	14:43:49	S	3347.45	W	1445.45	-9	-6	-5	162.72	22.31	-2	10.51	0.00	0.14	0.46	
04.20.2021	14:44:49	S	3347.46	W	1445.21	-7	-6	-4	161.07	22.71	-3	10.51	0.00	0.17	1.09	
04.20.2021	14:45:49	S	3347.47	W	1444.97	-6	-5	-4	159.22	23.03	-3	10.50	0.00	0.15	1.67	
04.20.2021	14:46:49	S	3347.48	W	1444.74	-7	-6	-5	157.99	23.57	-2	10.49	0.00	0.14	2.18	
04.20.2021	14:47:49	S	3347.48	W	1444.46	-8	-6	-5	156.45	23.89	-3	10.51	0.00	0.17	2.63	
04.20.2021	14:48:49	S	3347.49	W	1444.22	-7	-6	-4	154.97	24.13	-3	10.51	0.00	0.15	3.12	
04.20.2021	14:49:49	S	3347.5	W	1443.97	-8	-7	-5	153.47	24.33	-3	10.51	0.00	0.13	-0.37	
04.20.2021	14:50:47	S	3347.51	W	1443.72	-4	-2	-6	152.11	24.34	2	10.51	0.00	0.09	-0.39	
04.20.2021	14:51:47	S	3347.53	W	1443.5	-8	-6	-3	150.91	23.76	-4	10.52	0.00	0.10	-0.38	
04.20.2021	14:52:47	S	3347.54	W	1443.23	44	45	3	157.49	23.10	41	10.52	0.00	0.12	-0.38	
04.20.2021	14:53:47	S	3347.55	W	1442.97	50	51	1	165.71	22.66	49	10.50	0.00	0.15	-0.35	
04.20.2021	14:54:47	S	3347.56	W	1442.75	44	45	3	171.01	22.28	40	10.51	0.00	0.18	-0.37	
04.20.2021	14:55:47	S	3347.57	W	1442.49	49	49	-0	174.22	22.06	49	10.51	0.00	0.17	-0.35	
04.20.2021	14:56:47	S	3347.58	W	1442.26	47	49	0	176.76	22.06	47	10.51	0.00	0.15	-0.35	
04.20.2021	14:57:47	S	3347.59	W	1442	48	48	2	178.19	21.95	45	10.52	0.00	0.16	-0.36	
04.20.2021	14:58:47	S	3347.6	W	1441.78	51	52	5	179.64	21.93	46	10.50	0.00	0.15	-0.35	
04.20.2021	14:59:47	S	3347.61	W	1441.52	44	44	1	180.62	21.84	42	10.51	0.00	0.15	0.19	
04.20.2021	15:00:46	S	3347.62	W	1441.28	50	50	1	181.51	21.86	49	10.52	0.00	0.15	0.06	
04.20.2021	15:01:46	S	3347.63	W	1441.07	46	48	-0	182.34	21.87	46	10.50	0.00	0.15	0.11	
04.20.2021	15:02:46	S	3347.64	W	1440.81	49	50	2	182.88	21.89	47	10.51	0.00	0.15	0.12	
04.20.2021	15:03:46	S	3347.66	W	1440.55	52	53	7	183.51	21.91	45	10.51	0.00	0.16	0.20	
04.20.2021	15:04:46	S	3347.66	W	1440.3	45	45	2	183.77	21.85	42	10.51	0.00	0.15	-0.36	
04.20.2021	15:05:46	S	3347.68	W	1440.07	51	52	5	183.98	21.83	46	10.51	0.00	0.16	-0.34	
04.20.2021	15:06:46	S	3347.69	W	1439.8	44	46	-3	184.14	21.83	47	10.51	0.00	0.16	-0.36	
04.20.2021	15:07:46	S	3347.7	W	1439.58	50	51	4	184.29	21.84	46	10.50	0.00	0.15	-0.36	
04.20.2021	15:08:46	S	3347.71	W	1439.3	50	52	-3	184.09	21.76	53	10.50	0.00	0.17	-0.36	
04.20.2021	15:09:46	S	3347.72	W	1439.1	48	48	6	184.24	21.80	41	10.51	0.00	0.16	0.78	
04.20.2021	15:10:45	S	3347.73	W	1438.83	50	51	1	184.35	21.80	49	10.53	0.00	0.15	1.45	
04.20.2021	15:11:45	S	3347.74	W	1438.6	43	45	3	184.42	21.77	41	10.52	0.00	0.14	1.26	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0									Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.	
04.20.2021	15:12:45	S	3347.75	W	1438.34	49	50	-1	184.55	21.79	49	10.51	0.00	0.15	0.90	
04.20.2021	15:13:45	S	3347.76	W	1438.11	48	50	0	184.77	21.81	48	10.51	0.00	0.03	0.99	
04.20.2021	15:14:45	S	3347.77	W	1437.86	47	47	4	184.72	21.77	43	10.52	0.00	0.17	0.88	
04.20.2021	15:15:45	S	3347.78	W	1437.61	50	51	3	184.96	21.77	46	10.52	0.00	0.14	-0.35	
04.20.2021	15:16:45	S	3347.79	W	1437.38	42	43	4	185.07	21.72	38	10.52	0.00	0.17	-0.35	
04.20.2021	15:17:45	S	3347.81	W	1437.12	50	51	0	185.35	21.77	49	10.49	0.00	0.17	-0.38	
04.20.2021	15:18:45	S	3347.81	W	1436.91	45	47	1	185.57	21.71	44	10.30	0.00	0.15	-0.36	
04.20.2021	15:19:45	S	3347.82	W	1436.66	51	51	3	185.68	21.69	48	10.51	0.00	0.15	-0.30	
04.20.2021	15:20:49	S	3347.83	W	1436.39	49	51	2	185.98	21.77	48	10.52	0.00	0.14	0.13	
04.20.2021	15:21:49	S	3347.84	W	1436.15	45	45	-0	186.26	21.75	44	10.51	0.00	0.17	0.21	
04.20.2021	15:22:49	S	3347.85	W	1435.91	48	50	3	186.39	21.74	46	10.50	0.00	0.15	0.07	
04.20.2021	15:23:49	S	3347.86	W	1435.67	45	46	-2	186.65	21.74	46	10.51	0.00	0.14	-0.09	
04.20.2021	15:24:49	S	3347.87	W	1435.42	50	51	7	186.78	21.70	43	10.51	0.00	0.15	-0.17	
04.20.2021	15:25:49	S	3347.88	W	1435.19	49	51	-2	187.00	21.72	51	10.49	0.00	0.16	-0.38	
04.20.2021	15:26:49	S	3347.9	W	1434.95	46	46	5	187.07	21.69	40	10.50	0.00	0.17	-0.35	
04.20.2021	15:27:49	S	3347.91	W	1434.69	48	49	-4	187.20	21.71	51	10.53	0.00	0.13	-0.35	
04.20.2021	15:28:49	S	3347.92	W	1434.47	42	44	4	187.22	21.69	39	10.49	0.00	0.15	-0.36	
04.20.2021	15:29:49	S	3347.92	W	1434.21	50	51	-0	187.41	21.76	50	10.51	0.00	0.15	-0.36	
04.20.2021	15:30:45	S	3347.93	W	1433.99	49	51	1	187.24	21.66	48	10.52	0.00	0.17	0.14	
04.20.2021	15:31:45	S	3347.94	W	1433.72	46	47	2	187.33	21.72	44	10.51	0.00	0.15	0.24	
04.20.2021	15:32:45	S	3347.95	W	1433.5	51	51	3	187.09	21.69	47	10.51	0.00	0.15	0.05	
04.20.2021	15:33:45	S	3347.96	W	1433.24	43	44	2	187.00	21.80	41	10.54	0.00	0.15	0.16	
04.20.2021	15:34:45	S	3347.96	W	1433	51	52	2	187.02	21.72	50	10.51	0.00	0.15	0.11	
04.20.2021	15:35:45	S	3347.97	W	1432.76	45	47	2	187.22	21.75	44	10.51	0.00	0.16	-0.37	
04.20.2021	15:36:45	S	3347.98	W	1432.53	47	48	-1	187.30	21.73	48	10.52	0.00	0.15	-0.35	
04.20.2021	15:37:45	S	3347.99	W	1432.28	52	53	4	187.24	21.69	48	10.51	0.00	0.16	-0.36	
04.20.2021	15:38:45	S	3347.99	W	1432.05	45	46	-0	187.50	21.75	45	10.51	0.00	0.15	-0.36	
04.20.2021	15:39:45	S	3348	W	1431.8	54	54	4	187.76	21.80	49	10.53	0.00	0.15	-0.37	
04.20.2021	15:40:45	S	3348.01	W	1431.54	46	48	-0	187.52	21.69	47	10.51	0.00	0.14	-0.36	
04.20.2021	15:41:45	S	3348.02	W	1431.3	51	51	6	187.80	21.73	45	10.52	0.00	0.18	0.54	
04.20.2021	15:42:45	S	3348.03	W	1431.06	49	52	-1	187.91	21.74	51	10.52	0.00	0.17	0.22	
04.20.2021	15:43:45	S	3348.04	W	1430.84	46	47	1	187.93	21.67	46	10.52	0.00	0.15	0.17	
04.20.2021	15:44:45	S	3348.04	W	1430.57	52	53	-0	188.06	21.69	52	10.53	0.00	0.16	0.08	
04.20.2021	15:45:45	S	3348.05	W	1430.35	47	49	-0	188.06	21.69	46	10.51	0.00	0.15	-0.03	
04.20.2021	15:46:45	S	3348.06	W	1430.1	52	52	3	188.37	21.72	46	10.50	0.00	0.15	-0.22	
04.20.2021	15:47:45	S	3348.07	W	1429.86	46	48	-2	188.24	21.65	49	10.51	0.00	0.16	-0.36	
04.20.2021	15:48:45	S	3348.08	W	1429.6	48	48	5	188.54	21.72	42	10.50	0.00	0.14	-0.37	
04.20.2021	15:49:45	S	3348.08	W	1429.38	49	50	-1	188.54	21.69	50	10.52	0.00	0.15	-0.36	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	15:50:45	S	3348.09	W	1429.14	47	48	4	188.41	21.69	42	10.52	0.00	0.16	-0.36	
04.20.2021	15:51:45	S	3348.1	W	1428.87	48	49	-1	188.65	21.74	49	10.52	0.00	0.17	0.18	
04.20.2021	15:52:45	S	3348.11	W	1428.62	42	43	0	188.24	21.69	42	10.52	0.00	0.15	0.09	
04.20.2021	15:53:45	S	3348.12	W	1428.39	45	45	-1	188.00	21.65	46	10.51	0.00	0.15	0.11	
04.20.2021	15:54:45	S	3348.12	W	1428.15	47	49	5	187.83	21.62	42	10.51	0.00	0.15	0.12	
04.20.2021	15:55:45	S	3348.13	W	1427.91	43	44	-0	187.72	21.64	43	10.50	0.00	0.15	0.22	
04.20.2021	15:56:45	S	3348.14	W	1427.66	48	49	2	187.52	21.59	46	10.52	0.00	0.15	-0.37	
04.20.2021	15:57:45	S	3348.15	W	1427.45	40	42	-3	187.09	21.51	43	10.50	0.00	0.16	-0.36	
04.20.2021	15:58:45	S	3348.16	W	1427.2	47	47	4	187.39	21.66	43	10.51	0.00	0.15	-0.36	
04.20.2021	15:59:45	S	3348.16	W	1427	48	50	3	187.00	21.54	45	10.51	0.00	0.18	-0.38	
04.20.2021	16:00:45	S	3348.17	W	1426.75	44	44	2	187.07	21.59	42	10.51	0.00	0.16	-0.36	
04.20.2021	16:01:45	S	3348.18	W	1426.51	48	49	3	186.91	21.63	44	10.53	0.00	0.16	-0.05	
04.20.2021	16:02:45	S	3348.19	W	1426.28	43	43	-1	186.91	21.63	43	10.52	0.00	0.18	-0.05	
04.20.2021	16:03:45	S	3348.2	W	1426.02	48	49	5	186.87	21.61	43	10.52	0.00	0.16	-0.04	
04.20.2021	16:04:45	S	3348.21	W	1425.81	48	50	-4	186.76	21.60	52	10.49	0.00	0.15	0.08	
04.20.2021	16:05:45	S	3348.22	W	1425.57	45	46	1	186.91	21.62	44	10.51	0.00	0.18	0.42	
04.20.2021	16:06:45	S	3348.24	W	1425.32	48	49	-3	187.13	21.69	51	10.50	0.00	0.16	1.03	
04.20.2021	16:07:45	S	3348.25	W	1425.07	41	44	2	187.00	21.59	40	10.51	0.00	0.17	-0.38	
04.20.2021	16:08:45	S	3348.27	W	1424.84	46	48	0	187.02	21.59	46	10.50	0.00	0.18	-0.36	
04.20.2021	16:09:45	S	3348.28	W	1424.62	43	45	-0	187.11	21.59	44	10.51	0.00	0.15	-0.35	
04.20.2021	16:10:51	S	3348.3	W	1424.37	46	46	1	187.43	21.64	44	10.51	0.00	0.14	-0.36	
04.20.2021	16:11:51	S	3348.31	W	1424.15	49	50	3	187.24	21.56	47	10.50	0.00	0.15	-0.36	
04.20.2021	16:12:51	S	3348.33	W	1423.91	46	46	2	187.76	21.63	43	10.51	0.00	0.15	0.04	
04.20.2021	16:13:51	S	3348.34	W	1423.67	50	51	2	187.50	21.53	48	10.51	0.00	0.16	0.55	
04.20.2021	16:14:51	S	3348.36	W	1423.42	42	44	-3	187.59	21.59	45	10.50	0.00	0.16	0.30	
04.20.2021	16:15:51	S	3348.37	W	1423.19	49	48	3	187.65	21.56	45	10.51	0.00	0.18	-0.10	
04.20.2021	16:16:51	S	3348.38	W	1422.94	49	51	0	187.76	21.62	49	10.50	0.00	0.15	-0.22	
04.20.2021	16:17:51	S	3348.4	W	1422.7	46	46	5	187.72	21.51	42	10.51	0.00	0.16	-0.36	
04.20.2021	16:18:51	S	3348.41	W	1422.47	49	50	5	187.91	21.56	44	10.49	0.00	0.15	-0.35	
04.20.2021	16:19:51	S	3348.43	W	1422.26	43	44	1	187.83	21.53	42	10.51	0.00	0.16	-0.35	
04.20.2021	16:20:51	S	3348.45	W	1421.99	49	49	3	187.61	21.52	45	10.51	0.00	0.15	-0.35	
04.20.2021	16:21:51	S	3348.46	W	1421.75	48	50	-4	187.70	21.54	51	10.51	0.00	0.16	-0.33	
04.20.2021	16:22:51	S	3348.47	W	1421.54	47	47	7	187.52	21.54	40	10.50	0.00	0.16	-0.07	
04.20.2021	16:23:51	S	3348.49	W	1421.29	50	51	-1	187.48	21.56	51	10.51	0.00	0.16	0.13	
04.20.2021	16:24:51	S	3348.51	W	1421.04	43	44	3	187.17	21.57	40	10.51	0.00	0.17	0.38	
04.20.2021	16:25:51	S	3348.53	W	1420.82	49	50	1	187.09	21.59	48	10.51	0.00	0.15	0.13	
04.20.2021	16:26:51	S	3348.54	W	1420.6	46	47	2	186.98	21.50	43	10.51	0.00	0.15	-0.09	
04.20.2021	16:27:51	S	3348.56	W	1420.34	47	47	1	187.17	21.52	45	10.50	0.00	0.16	-0.36	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	16:28:51	S	3348.57	W	1420.14	51	52	3	187.48	21.56	47	10.52	0.00	0.15	-0.36	
04.20.2021	16:29:51	S	3348.58	W	1419.88	43	45	-0	187.48	21.59	44	10.50	0.00	0.15	-0.34	
04.20.2021	16:30:45	S	3348.6	W	1419.64	51	51	2	187.39	21.51	49	10.53	0.00	0.15	-0.36	
04.20.2021	16:31:45	S	3348.62	W	1419.42	46	48	3	187.52	21.54	43	10.51	0.00	0.16	-0.36	
04.20.2021	16:32:45	S	3348.64	W	1419.19	49	49	1	187.50	21.50	48	10.52	0.00	0.15	-0.33	
04.20.2021	16:33:45	S	3348.65	W	1418.95	49	51	5	187.72	21.54	44	10.51	0.00	0.18	0.04	
04.20.2021	16:34:45	S	3348.67	W	1418.7	44	45	-0	187.85	21.59	44	10.52	0.00	0.17	-0.05	
04.20.2021	16:35:45	S	3348.68	W	1418.5	50	51	4	188.04	21.56	46	10.51	0.00	0.16	-0.08	
04.20.2021	16:36:45	S	3348.69	W	1418.23	44	46	-2	188.04	21.55	46	10.52	0.00	0.18	-0.09	
04.20.2021	16:37:45	S	3348.7	W	1418.02	51	51	6	188.15	21.56	45	10.51	0.00	0.15	-0.06	
04.20.2021	16:38:45	S	3348.72	W	1417.77	51	53	0	188.48	21.63	51	10.51	0.00	0.15	-0.38	
04.20.2021	16:39:45	S	3348.74	W	1417.54	48	48	4	188.41	21.60	43	10.50	0.00	0.14	-0.36	
04.20.2021	16:40:49	S	3348.75	W	1417.29	52	53	2	188.52	21.59	50	10.51	0.00	0.16	-0.36	
04.20.2021	16:41:49	S	3348.77	W	1417.05	44	46	-1	188.59	21.56	45	10.50	0.00	0.15	-0.36	
04.20.2021	16:42:49	S	3348.79	W	1416.82	47	48	1	188.56	21.60	46	10.50	0.00	0.18	-0.33	
04.20.2021	16:43:49	S	3348.8	W	1416.59	48	49	0	188.32	21.54	48	10.51	0.00	0.16	0.04	
04.20.2021	16:44:49	S	3348.82	W	1416.35	45	46	5	188.22	21.52	39	10.52	0.00	0.16	-0.01	
04.20.2021	16:45:49	S	3348.83	W	1416.13	48	49	-1	188.17	21.53	50	10.52	0.00	0.16	0.00	
04.20.2021	16:46:49	S	3348.85	W	1415.89	41	42	3	188.06	21.51	38	10.52	0.00	0.14	0.08	
04.20.2021	16:47:49	S	3348.85	W	1415.64	45	46	-1	187.74	21.50	46	10.51	0.00	0.16	0.21	
04.20.2021	16:48:49	S	3348.85	W	1415.43	48	49	-0	187.76	21.52	49	10.53	0.00	0.15	-0.37	
04.20.2021	16:49:49	S	3348.85	W	1415.2	47	48	4	187.59	21.50	43	10.51	0.00	0.15	-0.39	
04.20.2021	16:50:53	S	3348.85	W	1414.94	51	52	-0	187.39	21.48	52	10.51	0.00	0.13	-0.38	
04.20.2021	16:51:53	S	3348.85	W	1414.69	45	46	2	187.39	21.51	43	10.50	0.00	0.15	-0.39	
04.20.2021	16:52:53	S	3348.85	W	1414.48	49	50	0	187.28	21.53	48	10.51	0.00	0.13	-0.36	
04.20.2021	16:53:53	S	3348.86	W	1414.25	46	48	2	187.20	21.49	44	10.52	0.00	0.15	0.09	
04.20.2021	16:54:53	S	3348.86	W	1414	47	48	2	187.17	21.51	45	10.51	0.00	0.16	0.15	
04.20.2021	16:55:53	S	3348.86	W	1413.75	50	51	5	187.17	21.49	45	10.52	0.00	0.16	0.14	
04.20.2021	16:56:53	S	3348.86	W	1413.54	45	46	3	187.37	21.55	42	10.51	0.00	0.18	0.14	
04.20.2021	16:57:53	S	3348.86	W	1413.28	49	50	3	187.28	21.51	46	10.50	0.00	0.15	0.20	
04.20.2021	16:58:53	S	3348.86	W	1413.05	46	47	-0	187.41	21.59	45	10.51	0.00	0.15	0.14	
04.20.2021	16:59:53	S	3348.86	W	1412.83	49	49	3	187.43	21.50	46	10.51	0.00	0.18	-0.36	
04.20.2021	17:00:46	S	3348.87	W	1412.59	47	49	2	187.50	21.51	45	10.51	0.00	0.15	-0.34	
04.20.2021	17:01:46	S	3348.88	W	1412.36	43	43	2	187.59	21.52	41	10.52	0.00	0.11	-0.36	
04.20.2021	17:02:46	S	3348.88	W	1412.11	49	50	5	187.89	21.57	42	10.52	0.00	0.14	-0.35	
04.20.2021	17:03:46	S	3348.89	W	1411.88	44	46	0	187.91	21.56	44	10.51	0.00	0.17	-0.35	
04.20.2021	17:04:46	S	3348.9	W	1411.63	47	48	6	187.91	21.51	42	10.52	0.00	0.16	0.13	
04.20.2021	17:05:46	S	3348.9	W	1411.42	50	52	0	188.17	21.52	50	10.51	0.00	0.17	0.07	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	17:06:46	S	3348.91	W	1411.19	46	46	5	188.45	21.56	41	10.52	0.00	0.14	0.08	
04.20.2021	17:07:46	S	3348.91	W	1410.94	51	52	3	188.67	21.59	48	10.51	0.00	0.15	0.06	
04.20.2021	17:08:46	S	3348.91	W	1410.71	47	48	1	188.93	21.61	45	10.51	0.00	0.14	0.08	
04.20.2021	17:09:46	S	3348.91	W	1410.49	51	52	5	189.13	21.70	46	10.51	0.00	0.14	-0.36	
04.20.2021	17:10:52	S	3348.92	W	1410.25	50	52	-1	188.98	21.67	52	10.52	0.00	0.15	-0.35	
04.20.2021	17:11:52	S	3348.93	W	1409.99	47	48	6	188.89	21.65	41	10.51	0.00	0.15	-0.37	
04.20.2021	17:12:52	S	3348.94	W	1409.75	50	52	-1	188.54	21.57	52	10.51	0.00	0.14	-0.36	
04.20.2021	17:13:52	S	3348.95	W	1409.52	46	48	3	188.85	21.66	43	10.52	0.00	0.16	-0.35	
04.20.2021	17:14:52	S	3348.95	W	1409.31	51	53	2	188.56	21.62	50	10.53	0.00	0.17	0.36	
04.20.2021	17:15:52	S	3348.97	W	1409.04	49	51	2	188.35	21.60	47	10.50	0.00	0.14	0.22	
04.20.2021	17:16:52	S	3348.98	W	1408.79	48	48	2	188.13	21.59	45	10.51	0.00	0.16	0.28	
04.20.2021	17:17:52	S	3349	W	1408.57	50	51	-0	188.32	21.60	50	10.51	0.00	0.14	0.47	
04.20.2021	17:18:52	S	3349.01	W	1408.35	42	44	2	188.13	21.57	41	10.52	0.00	0.14	0.36	
04.20.2021	17:19:52	S	3349.02	W	1408.1	47	48	-0	188.22	21.60	48	10.51	0.00	0.15	-0.38	
04.20.2021	17:20:48	S	3349.03	W	1407.87	45	47	0	188.22	21.61	46	10.51	0.00	0.04	-0.35	
04.20.2021	17:21:48	S	3349.03	W	1407.64	47	48	2	188.43	21.65	47	10.51	0.00	0.14	-0.36	
04.20.2021	17:22:48	S	3349.04	W	1407.42	51	52	5	188.59	21.72	46	10.51	0.00	0.16	-0.36	
04.20.2021	17:23:48	S	3349.05	W	1407.18	43	45	0	188.63	21.71	43	10.51	0.00	0.15	-0.36	
04.20.2021	17:24:48	S	3349.06	W	1406.94	49	50	3	188.37	21.69	46	10.51	0.00	0.16	-0.37	
04.20.2021	17:25:48	S	3349.07	W	1406.7	45	47	0	188.26	21.65	45	10.52	0.00	0.13	0.19	
04.20.2021	17:26:48	S	3349.09	W	1406.45	46	47	-1	188.56	21.72	47	10.49	0.00	0.14	0.41	
04.20.2021	17:27:48	S	3349.1	W	1406.25	48	51	5	188.48	21.69	45	10.52	0.00	0.14	0.28	
04.20.2021	17:28:48	S	3349.11	W	1406.03	45	46	1	188.67	21.66	44	10.51	0.00	0.13	0.19	
04.20.2021	17:29:48	S	3349.12	W	1405.79	51	52	5	188.74	21.76	46	10.50	0.00	0.15	0.15	
04.20.2021	17:30:43	S	3349.13	W	1405.55	47	48	-1	188.59	21.67	48	10.50	0.00	0.16	-0.35	
04.20.2021	17:31:43	S	3349.14	W	1405.31	49	49	2	188.67	21.70	47	10.51	0.00	0.15	-0.38	
04.20.2021	17:32:43	S	3349.16	W	1405.09	49	51	2	188.78	21.67	47	10.51	0.00	0.15	-0.36	
04.20.2021	17:33:43	S	3349.17	W	1404.85	42	43	0	188.74	21.69	42	10.52	0.00	0.17	-0.35	
04.20.2021	17:34:43	S	3349.18	W	1404.61	48	49	2	188.78	21.71	46	10.52	0.00	0.14	-0.36	
04.20.2021	17:35:43	S	3349.19	W	1404.37	43	43	-0	188.82	21.67	43	10.52	0.00	0.15	-0.36	
04.20.2021	17:36:43	S	3349.19	W	1404.32	49	50	3	188.82	21.71	46	10.52	0.00	0.17	-0.38	
04.20.2021	17:37:43	S	3349.21	W	1403.88	42	44	-3	188.63	21.71	46	10.50	0.00	0.14	-0.36	
04.20.2021	17:38:43	S	3349.21	W	1403.64	47	48	4	188.37	21.69	43	10.54	0.00	0.16	-0.36	
04.20.2021	17:39:43	S	3349.22	W	1403.43	46	47	-3	188.26	21.72	48	10.51	0.00	0.16	-0.34	
04.20.2021	17:40:50	S	3349.23	W	1403.18	45	44	6	188.11	21.72	38	10.53	0.00	0.14	0.14	
04.20.2021	17:41:50	S	3349.24	W	1402.95	48	49	-0	187.80	21.69	48	10.51	0.00	0.15	0.10	
04.20.2021	17:42:50	S	3349.25	W	1402.71	41	42	1	187.52	21.63	41	10.52	0.00	0.16	0.15	
04.20.2021	17:43:50	S	3349.26	W	1402.46	47	48	-1	187.61	21.69	46	10.49	0.00	0.15	0.17	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	17:44:50	S	3349.26	W	1402.25	46	47	-1	187.59	21.67	46	10.50	0.00	0.15	0.20
04.20.2021	17:45:50	S	3349.27	W	1401.98	44	45	4	187.54	21.65	40	10.53	0.00	0.18	-0.36
04.20.2021	17:46:50	S	3349.28	W	1401.75	46	47	1	187.54	21.62	46	10.51	0.00	0.15	-0.36
04.20.2021	17:47:50	S	3349.28	W	1401.57	43	46	2	187.72	21.73	42	10.51	0.00	0.17	0.72
04.20.2021	17:48:50	S	3349.29	W	1401.31	45	46	2	187.74	21.72	44	10.51	0.00	0.15	0.33
04.20.2021	17:49:50	S	3349.29	W	1401.09	47	48	2	187.61	21.72	45	10.51	0.00	0.15	0.20
04.20.2021	17:50:52	S	3349.3	W	1400.85	40	42	1	187.70	21.70	39	10.50	0.00	0.14	-0.39
04.20.2021	17:51:52	S	3349.31	W	1400.6	48	48	1	187.89	21.67	47	10.50	0.00	0.15	-0.35
04.20.2021	17:52:52	S	3349.32	W	1400.38	43	44	0	187.80	21.59	42	10.52	0.00	0.18	-0.36
04.20.2021	17:53:52	S	3349.32	W	1400.14	44	44	0	188.11	21.64	44	10.49	0.00	0.16	-0.35
04.20.2021	17:54:52	S	3349.33	W	1359.9	48	49	4	187.96	21.59	44	10.51	0.00	0.15	-0.37
04.20.2021	17:55:52	S	3349.33	W	1359.69	43	44	1	188.15	21.55	42	10.51	0.00	0.14	-0.36
04.20.2021	17:56:52	S	3349.34	W	1359.42	49	50	2	188.67	21.64	46	10.50	0.00	0.14	0.74
04.20.2021	17:57:52	S	3349.34	W	1359.19	44	45	-0	188.72	21.60	44	10.51	0.00	0.14	-0.37
04.20.2021	17:58:52	S	3349.34	W	1358.94	50	50	4	188.78	21.59	46	10.51	0.00	0.16	-0.34
04.20.2021	17:59:52	S	3349.35	W	1358.74	45	47	-2	189.13	21.69	48	10.52	0.00	0.15	-0.38
04.20.2021	18:00:46	S	3349.35	W	1358.49	49	49	3	188.95	21.59	45	10.52	0.00	0.15	-0.35
04.20.2021	18:01:46	S	3349.36	W	1358.25	47	50	-1	188.82	21.66	49	10.52	0.00	0.15	0.25
04.20.2021	18:02:46	S	3349.37	W	1358.03	45	45	1	188.98	21.67	43	10.51	0.00	0.15	0.28
04.20.2021	18:03:46	S	3349.37	W	1357.8	49	50	2	188.76	21.67	46	10.51	0.00	0.07	0.27
04.20.2021	18:04:46	S	3349.38	W	1357.53	44	45	1	188.54	21.67	43	10.51	0.00	0.15	0.29
04.20.2021	18:05:46	S	3349.38	W	1357.31	48	49	3	188.37	21.66	44	10.50	0.00	0.14	0.29
04.20.2021	18:06:46	S	3349.38	W	1357.08	48	48	-1	188.22	21.67	48	10.50	0.00	0.16	-0.36
04.20.2021	18:07:46	S	3349.38	W	1356.83	45	45	5	188.32	21.67	39	10.51	0.00	0.17	-0.36
04.20.2021	18:08:46	S	3349.38	W	1356.59	49	50	2	188.35	21.69	48	10.52	0.00	0.15	-0.37
04.20.2021	18:09:46	S	3349.39	W	1356.38	44	45	2	188.06	21.65	41	10.51	0.00	0.14	-0.35
04.20.2021	18:10:46	S	3349.39	W	1356.12	48	49	3	188.30	21.65	45	10.52	0.00	0.16	-0.33
04.20.2021	18:11:46	S	3349.4	W	1355.92	44	46	-4	188.22	21.69	48	10.50	0.00	0.14	0.25
04.20.2021	18:12:46	S	3349.41	W	1355.66	44	44	5	188.04	21.64	39	10.52	0.00	0.15	0.25
04.20.2021	18:13:46	S	3349.42	W	1355.41	47	48	2	188.15	21.65	45	10.52	0.00	0.14	0.27
04.20.2021	18:14:46	S	3349.44	W	1355.18	41	43	3	188.06	21.56	38	10.50	0.00	0.15	0.28
04.20.2021	18:15:46	S	3349.44	W	1354.96	46	47	0	188.04	21.49	47	10.48	0.00	0.15	0.28
04.20.2021	18:16:46	S	3349.45	W	1354.71	44	45	2	188.11	21.43	42	10.51	0.00	0.14	-0.37
04.20.2021	18:17:46	S	3349.45	W	1354.48	46	46	1	188.30	21.43	43	10.50	0.00	0.14	-0.36
04.20.2021	18:18:46	S	3349.46	W	1354.23	51	52	6	188.41	21.43	45	10.50	0.00	0.16	-0.37
04.20.2021	18:19:46	S	3349.47	W	1354.01	42	45	1	188.43	21.39	42	10.52	0.00	0.17	-0.35
04.20.2021	18:20:50	S	3349.48	W	1353.78	47	48	3	188.15	21.31	43	10.51	0.00	0.13	-0.36
04.20.2021	18:21:50	S	3349.49	W	1353.56	41	43	-2	188.48	21.43	43	10.51	0.00	0.15	0.30

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0									Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.	
04.20.2021	18:22:50	S	3349.5	W	1353.3	44	45	2	188.41	21.34	42	10.51	0.00	0.17	0.32	
04.20.2021	18:23:50	S	3349.51	W	1353.07	46	48	4	188.54	21.38	43	10.49	0.00	0.14	0.30	
04.20.2021	18:24:50	S	3349.51	W	1352.86	41	42	-0	188.48	21.35	42	10.51	0.00	0.17	0.27	
04.20.2021	18:25:50	S	3349.52	W	1352.61	46	47	4	188.32	21.31	42	10.49	0.00	0.15	0.27	
04.20.2021	18:26:50	S	3349.54	W	1352.39	39	42	-2	188.41	21.38	42	10.52	0.00	0.16	-0.39	
04.20.2021	18:27:50	S	3349.55	W	1352.12	46	46	4	188.37	21.42	42	10.51	0.00	0.15	-0.34	
04.20.2021	18:28:50	S	3349.56	W	1351.89	44	46	-2	188.32	21.43	46	10.53	0.00	0.15	-0.33	
04.20.2021	18:29:50	S	3349.57	W	1351.67	44	44	2	187.89	21.35	42	10.52	0.00	0.15	-0.35	
04.20.2021	18:30:49	S	3349.58	W	1351.41	46	47	1	187.72	21.35	46	10.50	0.00	0.16	-0.37	
04.20.2021	18:31:49	S	3349.59	W	1351.2	44	46	2	187.93	21.46	43	10.51	0.00	0.15	-0.36	
04.20.2021	18:32:49	S	3349.6	W	1350.98	47	48	4	187.65	21.38	43	10.51	0.00	0.14	0.27	
04.20.2021	18:33:49	S	3349.61	W	1350.74	47	48	-1	187.61	21.42	48	10.51	0.00	0.14	0.26	
04.20.2021	18:34:49	S	3349.62	W	1350.5	45	46	6	187.74	21.46	39	10.50	0.00	0.15	0.26	
04.20.2021	18:35:49	S	3349.63	W	1350.27	49	50	0	187.61	21.42	49	10.50	0.00	0.14	0.27	
04.20.2021	18:36:49	S	3349.64	W	1350.04	42	43	2	187.65	21.41	40	10.52	0.00	0.14	0.26	
04.20.2021	18:37:49	S	3349.65	W	1349.78	46	47	0	187.70	21.43	46	10.51	0.00	0.15	-0.37	
04.20.2021	18:38:49	S	3349.66	W	1349.56	44	47	-2	187.83	21.45	48	10.52	0.00	-0.07	-0.35	
04.20.2021	18:39:49	S	3349.67	W	1349.31	46	47	4	188.11	21.48	42	10.50	0.00	0.15	-0.36	
04.20.2021	18:40:49	S	3349.69	W	1349.09	48	49	0	188.02	21.43	48	10.51	0.00	0.15	-0.37	
04.20.2021	18:41:49	S	3349.7	W	1348.88	41	42	4	188.13	21.45	37	10.52	0.00	0.15	-0.35	
04.20.2021	18:42:49	S	3349.71	W	1348.59	45	47	-1	188.15	21.41	47	10.52	0.00	0.18	0.18	
04.20.2021	18:43:49	S	3349.72	W	1348.37	45	47	1	188.22	21.42	43	10.50	0.00	0.16	0.17	
04.20.2021	18:44:49	S	3349.73	W	1348.15	47	47	2	188.30	21.39	44	10.50	0.00	0.15	0.16	
04.20.2021	18:45:49	S	3349.74	W	1347.9	49	50	4	188.45	21.40	45	10.52	0.00	0.16	0.17	
04.20.2021	18:46:49	S	3349.75	W	1347.67	43	45	0	188.59	21.41	43	10.51	0.00	0.13	0.14	
04.20.2021	18:47:49	S	3349.76	W	1347.43	50	51	1	188.98	21.41	48	10.50	0.00	0.15	-0.36	
04.20.2021	18:48:49	S	3349.78	W	1347.2	44	46	-0	189.26	21.48	45	10.51	0.00	0.16	-0.36	
04.20.2021	18:49:49	S	3349.79	W	1346.96	46	47	0	189.08	21.38	46	10.51	0.00	0.14	-0.38	
04.20.2021	18:50:53	S	3349.8	W	1346.7	48	50	3	189.26	21.45	46	10.50	0.00	0.15	-0.37	
04.20.2021	18:51:53	S	3349.82	W	1346.45	44	45	-2	189.13	21.40	46	10.52	0.00	0.17	-0.35	
04.20.2021	18:52:53	S	3349.83	W	1346.26	50	52	5	189.13	21.48	46	10.52	0.00	0.14	0.73	
04.20.2021	18:53:53	S	3349.83	W	1346.26	43	44	-2	188.72	21.46	45	10.49	0.00	0.15	0.58	
04.20.2021	18:54:53	S	3349.87	W	1345.75	47	47	3	188.59	21.56	44	10.52	0.00	0.14	0.46	
04.20.2021	18:55:53	S	3349.88	W	1345.52	47	49	-0	188.43	21.59	47	10.51	0.00	0.15	0.41	
04.20.2021	18:56:53	S	3349.89	W	1345.3	44	44	1	188.56	21.71	43	10.51	0.00	0.15	0.39	
04.20.2021	18:57:53	S	3349.91	W	1345.05	49	51	3	188.56	21.75	47	10.49	0.00	0.15	0.39	
04.20.2021	18:58:53	S	3349.92	W	1344.79	43	44	-1	188.43	21.74	44	10.51	0.00	0.14	-0.34	
04.20.2021	18:59:53	S	3349.94	W	1344.54	48	49	4	188.63	21.83	44	10.52	0.00	0.15	-0.36	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	19:00:53	S	3349.95	W	1344.31	49	50	-4	188.59	21.83	52	10.50	0.00	0.15	-0.38	
04.20.2021	19:01:53	S	3349.97	W	1344.05	44	45	5	188.74	21.91	40	10.52	0.00	0.15	-0.36	
04.20.2021	19:02:53	S	3349.98	W	1343.82	49	50	0	188.72	21.90	48	10.50	0.00	0.14	-0.35	
04.20.2021	19:03:53	S	3350.02	W	1343.58	43	45	1	188.32	21.80	42	10.51	0.00	0.17	0.41	
04.20.2021	19:04:53	S	3350.02	W	1343.35	47	48	2	188.52	21.91	46	10.51	0.00	0.15	0.37	
04.20.2021	19:05:53	S	3350.04	W	1343.08	44	46	0	188.43	21.93	44	10.51	0.00	0.15	0.38	
04.20.2021	19:06:53	S	3350.05	W	1342.88	43	44	5	188.65	21.91	39	10.53	0.00	0.16	0.39	
04.20.2021	19:07:53	S	3350.07	W	1342.63	49	50	-1	188.63	21.89	50	10.52	0.00	0.15	0.39	
04.20.2021	19:08:53	S	3350.08	W	1342.41	42	43	2	188.52	21.86	41	10.53	0.00	0.17	-0.38	
04.20.2021	19:09:53	S	3350.09	W	1342.14	47	48	-0	188.78	21.94	47	10.52	0.00	0.15	-0.33	
04.20.2021	19:10:47	S	3350.1	W	1341.91	43	45	1	188.87	21.90	42	10.52	0.00	0.15	-0.35	
04.20.2021	19:11:47	S	3350.12	W	1341.68	45	46	1	188.87	21.90	44	10.52	0.00	0.16	-0.36	
04.20.2021	19:12:47	S	3350.13	W	1341.44	48	49	3	189.06	21.94	45	10.51	0.00	0.15	-0.36	
04.20.2021	19:13:47	S	3350.14	W	1341.18	41	42	-1	189.00	21.90	42	10.51	0.00	0.15	0.38	
04.20.2021	19:14:47	S	3350.16	W	1340.96	47	48	3	188.89	21.90	44	10.50	0.00	0.15	0.35	
04.20.2021	19:15:47	S	3350.17	W	1340.73	41	43	-2	188.78	21.88	43	10.51	0.00	0.15	0.33	
04.20.2021	19:16:47	S	3350.18	W	1340.48	47	47	1	188.78	21.88	45	10.52	0.00	0.15	0.35	
04.20.2021	19:17:47	S	3350.2	W	1340.21	46	48	3	188.95	21.95	44	10.53	0.00	0.14	0.37	
04.20.2021	19:18:47	S	3350.21	W	1339.98	44	44	-1	188.78	21.93	44	10.51	0.00	0.15	-0.36	
04.20.2021	19:19:47	S	3350.23	W	1339.73	48	49	3	188.32	21.82	46	10.52	0.00	0.15	-0.38	
04.20.2021	19:20:49	S	3350.24	W	1339.48	43	45	-3	188.43	21.90	46	10.52	0.00	0.15	-0.35	
04.20.2021	19:21:49	S	3350.26	W	1339.27	48	48	5	188.22	21.90	41	10.51	0.00	0.15	-0.36	
04.20.2021	19:22:49	S	3350.28	W	1339	44	46	-4	188.06	21.86	48	10.50	0.00	0.15	-0.36	
04.20.2021	19:23:49	S	3350.29	W	1338.77	43	43	4	188.17	21.89	39	10.52	0.00	0.15	-0.37	
04.20.2021	19:24:49	S	3350.3	W	1338.55	45	47	1	188.22	21.88	45	10.51	0.00	0.13	0.37	
04.20.2021	19:25:49	S	3350.32	W	1338.3	41	42	-2	188.04	21.83	43	10.53	0.00	0.15	0.35	
04.20.2021	19:26:49	S	3350.34	W	1338.08	46	47	4	187.80	21.79	40	10.52	0.00	0.17	0.38	
04.20.2021	19:27:49	S	3350.35	W	1337.83	46	47	-3	187.93	21.82	48	10.52	0.00	0.14	0.40	
04.20.2021	19:28:49	S	3350.37	W	1337.58	42	43	5	188.00	21.80	36	10.51	0.00	0.15	0.38	
04.20.2021	19:29:49	S	3350.38	W	1337.39	47	48	0	188.00	21.77	46	10.52	0.00	0.16	-0.35	
04.20.2021	19:30:42	S	3350.4	W	1337.11	41	42	2	188.11	21.80	39	10.51	0.00	0.17	-0.35	
04.20.2021	19:31:42	S	3350.41	W	1336.9	47	47	2	188.22	21.80	44	10.51	0.00	0.16	-0.35	
04.20.2021	19:32:42	S	3350.42	W	1336.67	44	45	-3	187.96	21.71	47	10.52	0.00	0.15	-0.35	
04.20.2021	19:33:42	S	3350.44	W	1336.4	44	44	6	188.37	21.81	37	10.50	0.00	0.14	-0.36	
04.20.2021	19:34:42	S	3350.46	W	1336.18	45	46	-3	188.06	21.71	48	10.49	0.00	0.15	0.31	
04.20.2021	19:35:42	S	3350.47	W	1335.91	41	43	3	188.32	21.75	39	10.51	0.00	0.15	0.29	
04.20.2021	19:36:42	S	3350.48	W	1335.68	47	48	-1	188.65	21.80	47	10.51	0.00	0.15	0.33	
04.20.2021	19:37:42	S	3350.49	W	1335.43	45	48	-2	188.72	21.81	48	10.51	0.00	0.15	0.17	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	19:38:42	S	3350.51	W	1335.24	47	47	1	188.98	21.86	45	10.50	0.00	0.15	0.31
04.20.2021	19:39:42	S	3350.53	W	1334.98	47	49	4	189.13	21.85	44	10.51	0.00	0.16	-0.36
04.20.2021	19:40:47	S	3350.54	W	1334.75	41	42	-3	189.08	21.76	44	10.51	0.00	0.17	-0.36
04.20.2021	19:41:47	S	3350.56	W	1334.48	50	50	4	189.19	21.85	46	10.52	0.00	0.16	-0.35
04.20.2021	19:42:47	S	3350.57	W	1334.24	41	44	-1	189.04	21.77	44	10.50	0.00	0.16	-0.38
04.20.2021	19:43:47	S	3350.59	W	1334.02	46	46	2	189.13	21.80	44	10.51	0.00	0.16	-0.36
04.20.2021	19:44:47	S	3350.6	W	1333.75	46	47	3	189.04	21.77	43	10.52	0.00	0.16	0.70
04.20.2021	19:45:47	S	3350.62	W	1333.54	42	42	-1	188.93	21.80	42	10.49	0.00	0.16	0.57
04.20.2021	19:46:47	S	3350.63	W	1333.31	47	48	4	188.67	21.77	43	10.52	0.00	0.16	0.43
04.20.2021	19:47:47	S	3350.64	W	1333.04	42	44	-2	188.30	21.70	44	10.51	0.00	0.14	0.41
04.20.2021	19:48:47	S	3350.65	W	1332.79	47	47	4	188.41	21.71	42	10.51	0.00	0.15	0.39
04.20.2021	19:49:47	S	3350.65	W	1332.55	50	51	2	188.48	21.71	48	10.48	0.00	0.14	0.45
04.20.2021	19:50:53	S	3350.66	W	1332.32	45	45	2	188.37	21.69	43	10.52	0.00	0.14	-0.35
04.20.2021	19:51:53	S	3350.67	W	1332.09	51	51	6	188.32	21.69	45	10.50	0.00	0.15	-0.33
04.20.2021	19:52:53	S	3350.67	W	1331.83	45	46	0	188.48	21.75	44	10.41	0.00	0.14	-0.37
04.20.2021	19:53:53	S	3350.68	W	1331.58	47	48	4	188.52	21.71	43	10.50	0.00	0.16	-0.34
04.20.2021	19:54:53	S	3350.69	W	1331.34	47	49	-4	188.22	21.67	51	10.52	0.00	0.15	-0.35
04.20.2021	19:55:53	S	3350.71	W	1331.09	41	42	5	188.13	21.66	37	10.51	0.00	0.13	0.95
04.20.2021	19:56:53	S	3350.71	W	1330.88	46	47	-1	188.43	21.70	48	10.51	0.00	0.16	0.65
04.20.2021	19:57:53	S	3350.7	W	1330.6	42	44	3	188.43	21.66	40	10.51	0.00	0.14	0.46
04.20.2021	19:58:53	S	3350.7	W	1330.38	50	51	2	188.41	21.63	47	10.52	0.00	0.15	0.66
04.20.2021	19:59:53	S	3350.7	W	1330.15	45	46	1	188.56	21.63	41	10.51	0.00	0.16	0.61
04.20.2021	20:00:52	S	3350.71	W	1329.92	44	45	2	188.48	21.56	42	10.51	0.00	0.15	-0.36
04.20.2021	20:01:52	S	3350.71	W	1329.64	47	48	1	188.65	21.59	46	10.51	0.00	0.17	-0.37
04.20.2021	20:02:52	S	3350.71	W	1329.38	39	41	2	188.89	21.55	37	10.53	0.00	0.14	-0.36
04.20.2021	20:03:52	S	3350.72	W	1329.18	45	46	-2	188.87	21.51	47	10.51	0.00	0.15	-0.36
04.20.2021	20:04:52	S	3350.72	W	1328.93	43	46	-0	188.78	21.49	44	10.51	0.00	0.16	-0.35
04.20.2021	20:05:52	S	3350.73	W	1328.7	45	46	-1	189.04	21.48	46	10.52	0.00	0.14	0.51
04.20.2021	20:06:52	S	3350.73	W	1328.45	47	49	4	188.95	21.43	43	10.51	0.00	0.15	0.51
04.20.2021	20:07:52	S	3350.73	W	1328.21	44	45	2	188.98	21.45	42	10.51	0.00	0.15	0.49
04.20.2021	20:08:52	S	3350.73	W	1327.96	48	48	3	188.95	21.48	44	10.50	0.00	0.16	0.47
04.20.2021	20:09:52	S	3350.73	W	1327.7	43	44	0	188.85	21.49	43	10.52	0.00	0.15	0.50
04.20.2021	20:10:50	S	3350.74	W	1327.46	46	46	2	188.45	21.42	44	10.51	0.00	0.15	-0.36
04.20.2021	20:11:50	S	3350.75	W	1327.21	48	50	5	188.24	21.40	43	10.51	0.00	0.15	-0.36
04.20.2021	20:12:50	S	3350.75	W	1327.01	42	43	1	188.22	21.48	41	10.50	0.00	0.16	-0.37
04.20.2021	20:13:50	S	3350.75	W	1326.73	48	49	4	188.02	21.48	44	10.51	0.00	0.15	-0.38
04.20.2021	20:14:50	S	3350.75	W	1326.5	42	44	-2	188.11	21.52	45	10.50	0.00	0.16	-0.36
04.20.2021	20:15:50	S	3350.75	W	1326.24	47	47	4	187.96	21.49	43	10.52	0.00	0.15	-0.36

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	20:16:50	S	3350.75	W	1325.99	47	48	-1	187.85	21.54	48	10.51	0.00	0.15	0.50	
04.20.2021	20:17:50	S	3350.75	W	1325.79	42	42	1	187.70	21.46	41	10.51	0.00	0.07	0.51	
04.20.2021	20:18:50	S	3350.75	W	1325.51	46	47	3	188.11	21.56	43	10.51	0.00	0.14	0.52	
04.20.2021	20:19:50	S	3350.75	W	1325.29	42	42	-1	187.96	21.53	41	10.50	0.00	0.15	0.49	
04.20.2021	20:20:47	S	3350.75	W	1325.05	45	46	3	187.93	21.53	41	10.52	0.00	0.14	0.51	
04.20.2021	20:21:47	S	3350.75	W	1324.77	44	46	-3	188.04	21.55	47	10.52	0.00	0.16	-0.36	
04.20.2021	20:22:47	S	3350.74	W	1324.57	43	44	5	188.13	21.53	37	10.51	0.00	0.15	-0.36	
04.20.2021	20:23:47	S	3350.74	W	1324.31	46	47	0	188.32	21.57	46	10.53	0.00	0.15	-0.35	
04.20.2021	20:24:47	S	3350.73	W	1324.07	43	45	3	188.37	21.54	41	10.51	0.00	0.16	-0.36	
04.20.2021	20:25:47	S	3350.73	W	1323.81	46	47	3	188.72	21.60	43	10.50	0.00	0.14	-0.35	
04.20.2021	20:26:47	S	3350.72	W	1323.56	43	45	-3	188.52	21.49	47	10.52	0.00	0.14	0.48	
04.20.2021	20:27:47	S	3350.71	W	1323.31	45	45	5	188.65	21.46	39	10.52	0.00	0.15	0.48	
04.20.2021	20:28:47	S	3350.71	W	1323.08	46	47	-1	188.52	21.43	47	10.51	0.00	0.15	0.49	
04.20.2021	20:29:47	S	3350.71	W	1322.84	44	45	4	188.98	21.46	40	10.51	0.00	0.16	0.49	
04.20.2021	20:30:49	S	3350.7	W	1322.61	48	49	2	189.04	21.46	46	10.51	0.00	0.15	0.50	
04.20.2021	20:31:49	S	3350.7	W	1322.37	45	47	2	189.28	21.45	43	10.53	0.00	0.16	-0.36	
04.20.2021	20:32:49	S	3350.7	W	1322.12	43	44	2	189.19	21.42	41	10.50	0.00	0.15	-0.37	
04.20.2021	20:33:49	S	3350.7	W	1321.87	49	50	1	189.08	21.34	48	10.49	0.00	0.14	-0.37	
04.20.2021	20:34:49	S	3350.7	W	1321.62	43	44	4	189.26	21.36	40	10.51	0.00	0.16	-0.35	
04.20.2021	20:35:49	S	3350.7	W	1321.39	48	48	1	189.13	21.34	47	10.53	0.00	0.15	-0.33	
04.20.2021	20:36:49	S	3350.71	W	1321.15	44	46	3	188.98	21.34	42	10.51	0.00	0.15	0.52	
04.20.2021	20:37:49	S	3350.72	W	1320.89	45	45	2	189.06	21.38	42	10.50	0.00	0.11	0.53	
04.20.2021	20:38:49	S	3350.72	W	1320.66	48	49	7	189.04	21.36	41	10.50	0.00	0.16	0.48	
04.20.2021	20:39:49	S	3350.72	W	1320.41	42	43	1	189.04	21.36	41	10.60	0.00	0.14	0.50	
04.20.2021	20:40:49	S	3350.72	W	1320.19	46	47	5	188.85	21.33	41	10.51	0.00	0.16	0.50	
04.20.2021	20:41:49	S	3350.72	W	1319.94	43	44	1	188.76	21.26	42	10.51	0.00	0.16	0.54	
04.20.2021	20:42:49	S	3350.72	W	1319.69	45	46	2	188.45	21.17	44	10.52	0.00	0.15	-0.35	
04.20.2021	20:43:49	S	3350.72	W	1319.47	47	49	4	188.87	21.25	44	10.51	0.00	0.17	-0.36	
04.20.2021	20:44:49	S	3350.72	W	1319.23	42	43	2	188.74	21.21	40	10.51	0.00	0.16	-0.33	
04.20.2021	20:45:49	S	3350.72	W	1318.99	46	48	5	188.48	21.15	42	10.50	0.00	0.15	-0.35	
04.20.2021	20:46:49	S	3350.72	W	1318.77	44	46	0	188.35	21.08	43	10.51	0.00	0.16	-0.36	
04.20.2021	20:47:49	S	3350.72	W	1318.5	48	48	3	188.67	21.17	45	10.52	0.00	0.17	0.50	
04.20.2021	20:48:49	S	3350.73	W	1318.27	45	47	0	188.76	21.14	45	10.51	0.00	0.15	0.48	
04.20.2021	20:49:49	S	3350.74	W	1318.01	42	43	4	188.65	21.09	38	10.52	0.00	0.14	0.49	
04.20.2021	20:50:52	S	3350.75	W	1317.82	47	48	5	188.87	21.09	42	10.52	0.00	0.13	0.48	
04.20.2021	20:51:52	S	3350.75	W	1317.53	41	42	-1	189.17	21.10	41	10.52	0.00	0.14	0.50	
04.20.2021	20:52:52	S	3350.76	W	1317.31	47	47	5	189.26	21.06	41	10.54	0.00	0.15	-0.36	
04.20.2021	20:53:52	S	3350.76	W	1317.09	46	49	-2	189.39	21.05	49	10.53	0.00	0.15	-0.37	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	20:54:52	S	3350.77	W	1316.84	45	46	6	189.61	21.09	39	10.51	0.00	0.15	-0.35	
04.20.2021	20:55:52	S	3350.77	W	1316.6	52	53	2	189.76	21.10	50	10.52	0.00	0.09	-0.36	
04.20.2021	20:56:52	S	3350.79	W	1316.36	44	45	3	189.54	21.07	40	10.51	0.00	0.16	-0.35	
04.20.2021	20:57:52	S	3350.82	W	1316.09	45	46	2	189.39	21.08	44	10.50	0.00	0.16	0.53	
04.20.2021	20:58:52	S	3350.84	W	1315.86	44	46	2	189.13	21.01	42	10.52	0.00	0.16	0.55	
04.20.2021	20:59:52	S	3350.85	W	1315.64	45	45	6	189.17	21.04	40	10.52	0.00	0.15	0.56	
04.20.2021	21:00:47	S	3350.87	W	1315.4	50	51	1	189.13	20.97	48	10.52	0.00	0.15	0.58	
04.20.2021	21:01:47	S	3350.89	W	1315.16	43	45	4	188.95	20.97	39	10.51	0.00	0.15	0.57	
04.20.2021	21:02:47	S	3350.91	W	1314.89	46	47	-0	188.98	21.01	47	10.52	0.00	0.14	-0.35	
04.20.2021	21:03:47	S	3350.93	W	1314.65	44	46	2	188.67	20.97	41	10.51	0.00	0.13	-0.35	
04.20.2021	21:04:47	S	3350.95	W	1314.43	45	46	3	188.56	20.91	41	10.51	0.00	0.14	-0.36	
04.20.2021	21:05:47	S	3350.97	W	1314.18	48	48	5	188.54	20.91	42	10.51	0.00	0.15	-0.36	
04.20.2021	21:06:47	S	3350.98	W	1313.95	42	43	2	188.65	20.91	40	10.51	0.00	0.14	-0.36	
04.20.2021	21:07:47	S	3351	W	1313.73	49	50	3	188.63	20.91	45	10.51	0.00	0.15	-0.27	
04.20.2021	21:08:47	S	3351.02	W	1313.47	45	47	3	188.72	20.94	42	10.52	0.00	0.14	0.57	
04.20.2021	21:09:47	S	3351.04	W	1313.25	46	47	2	188.67	20.90	45	10.52	0.00	0.17	0.62	
04.20.2021	21:10:48	S	3351.06	W	1313	49	51	5	188.78	20.93	43	10.51	0.00	0.17	0.64	
04.20.2021	21:11:48	S	3351.08	W	1312.74	42	43	1	188.54	20.83	41	10.52	0.00	0.16	0.63	
04.20.2021	21:12:48	S	3351.09	W	1312.63	49	49	6	188.82	20.91	43	10.51	0.00	0.16	0.62	
04.20.2021	21:13:48	S	3351.09	W	1312.63	44	45	1	188.98	20.91	42	10.51	0.00	0.15	-0.35	
04.20.2021	21:14:48	S	3351.14	W	1312.01	47	47	-7	189.13	20.91	53	10.51	0.00	0.09	-0.37	
04.20.2021	21:15:48	S	3351.16	W	1311.79	49	51	3	189.24	20.96	47	10.51	0.00	0.16	-0.36	
04.20.2021	21:16:48	S	3351.19	W	1311.53	45	45	3	189.39	20.94	42	10.51	0.00	0.14	-0.34	
04.20.2021	21:17:48	S	3351.21	W	1311.31	48	50	4	189.80	21.01	44	10.51	0.00	0.14	-0.37	
04.20.2021	21:18:48	S	3351.23	W	1311.08	44	46	-1	189.87	20.95	45	10.51	0.00	0.15	0.64	
04.20.2021	21:19:48	S	3351.24	W	1310.84	49	50	7	189.82	20.93	42	10.52	0.00	0.14	0.64	
04.20.2021	21:20:49	S	3351.27	W	1310.6	49	51	0	190.02	20.99	49	10.53	0.00	0.15	0.61	
04.20.2021	21:21:49	S	3351.29	W	1310.38	46	46	4	190.02	20.98	41	10.51	0.00	0.16	0.64	
04.20.2021	21:22:49	S	3351.31	W	1310.13	48	49	1	189.97	20.99	46	10.51	0.00	0.16	0.59	
04.20.2021	21:23:49	S	3351.34	W	1309.89	43	45	0	190.13	21.05	43	10.51	0.00	0.15	-0.35	
04.20.2021	21:24:49	S	3351.36	W	1309.65	48	49	5	189.69	20.98	43	10.49	0.00	0.15	-0.36	
04.20.2021	21:25:49	S	3351.38	W	1309.4	47	48	-1	189.47	20.98	48	10.50	0.00	0.15	-0.36	
04.20.2021	21:26:49	S	3351.4	W	1309.16	46	46	7	189.54	21.00	39	10.51	0.00	0.15	-0.37	
04.20.2021	21:27:49	S	3351.43	W	1308.93	49	50	0	188.87	20.96	48	10.51	0.00	0.10	-0.36	
04.20.2021	21:28:49	S	3351.45	W	1308.68	44	44	5	188.93	20.97	39	10.51	0.00	0.17	0.63	
04.20.2021	21:29:49	S	3351.47	W	1308.44	48	49	2	188.87	20.97	46	10.52	0.00	0.16	0.62	
04.20.2021	21:30:52	S	3351.5	W	1308.21	47	49	2	189.00	21.01	45	10.50	0.00	0.15	0.62	
04.20.2021	21:31:52	S	3351.51	W	1308	46	47	5	188.95	21.01	42	10.57	0.00	0.14	0.62	

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	21:32:52	S	3351.54	W	1307.74	48	49	0	188.82	20.98	48	10.51	0.00	0.15	0.62	
04.20.2021	21:33:52	S	3351.56	W	1307.49	40	42	1	188.65	20.96	39	10.51	0.00	0.16	-0.36	
04.20.2021	21:34:52	S	3351.58	W	1307.26	45	45	0	188.76	21.01	44	10.52	0.00	0.15	-0.34	
04.20.2021	21:35:52	S	3351.6	W	1307.05	43	45	3	188.65	20.97	40	10.51	0.00	0.15	-0.35	
04.20.2021	21:36:52	S	3351.61	W	1306.78	43	44	1	188.98	21.07	42	10.52	0.00	0.15	-0.36	
04.20.2021	21:37:52	S	3351.63	W	1306.55	44	45	5	188.76	20.95	39	10.52	0.00	0.13	-0.38	
04.20.2021	21:38:52	S	3351.63	W	1306.32	39	40	-0	188.72	20.97	39	10.51	0.00	0.17	-0.36	
04.20.2021	21:39:52	S	3351.63	W	1306.07	48	49	1	188.65	20.93	47	10.52	0.00	0.15	0.66	
04.20.2021	21:40:53	S	3351.62	W	1305.86	44	47	3	188.98	20.94	41	10.50	0.00	0.15	0.64	
04.20.2021	21:41:53	S	3351.61	W	1305.58	49	49	1	189.30	20.99	46	10.51	0.00	0.16	0.65	
04.20.2021	21:42:53	S	3351.61	W	1305.35	50	51	5	188.95	20.90	45	10.52	0.00	0.15	0.63	
04.20.2021	21:43:53	S	3351.62	W	1305.12	42	43	-0	189.19	20.99	42	10.52	0.00	0.16	0.65	
04.20.2021	21:44:53	S	3351.62	W	1304.89	49	49	6	189.15	20.97	41	10.51	0.00	0.14	-0.36	
04.20.2021	21:45:53	S	3351.61	W	1304.62	43	45	-1	189.24	20.99	43	10.50	0.00	0.16	-0.36	
04.20.2021	21:46:53	S	3351.61	W	1304.42	48	48	5	189.24	21.01	43	10.51	0.00	0.16	-0.35	
04.20.2021	21:47:53	S	3351.6	W	1304.16	48	49	6	189.17	21.01	42	10.52	0.00	0.18	0.06	
04.20.2021	21:48:53	S	3351.6	W	1303.91	44	44	2	188.89	21.01	41	10.52	0.00	0.15	-0.37	
04.20.2021	21:49:53	S	3351.59	W	1303.7	48	49	6	188.87	20.99	42	10.52	0.00	0.15	0.67	
04.20.2021	21:50:52	S	3351.59	W	1303.45	42	43	-0	188.52	20.99	42	10.50	0.00	0.15	0.66	
04.20.2021	21:51:52	S	3351.58	W	1303.21	47	48	6	188.48	20.98	41	10.51	0.00	0.17	0.98	
04.20.2021	21:52:52	S	3351.58	W	1302.96	47	49	0	188.26	20.97	46	10.50	0.00	0.14	0.94	
04.20.2021	21:53:52	S	3351.57	W	1302.71	47	46	4	188.32	20.97	42	10.50	0.00	0.15	0.82	
04.20.2021	21:54:52	S	3351.58	W	1302.46	49	50	5	188.52	21.03	43	10.53	0.00	0.15	-0.34	
04.20.2021	21:55:52	S	3351.58	W	1302.27	42	43	-1	188.37	21.01	43	10.51	0.00	0.16	-0.36	
04.20.2021	21:56:52	S	3351.59	W	1302	46	46	6	188.43	21.04	40	10.50	0.00	0.14	-0.36	
04.20.2021	21:57:52	S	3351.59	W	1301.79	44	46	0	188.30	20.96	45	10.51	0.00	0.15	-0.36	
04.20.2021	21:58:52	S	3351.6	W	1301.52	45	45	8	188.26	21.01	37	10.50	0.00	0.15	-0.36	
04.20.2021	21:59:52	S	3351.61	W	1301.29	49	50	3	188.43	21.03	46	10.51	0.00	0.14	0.75	
04.20.2021	22:00:52	S	3351.62	W	1301.08	43	44	4	188.78	21.12	40	10.51	0.00	0.16	0.77	
04.20.2021	22:01:52	S	3351.63	W	1300.83	48	49	3	188.56	21.05	45	10.51	0.00	0.15	0.75	
04.20.2021	22:02:52	S	3351.64	W	1300.58	45	47	-1	188.78	21.10	46	10.52	0.00	0.15	0.76	
04.20.2021	22:03:52	S	3351.64	W	1300.36	46	46	7	188.89	21.11	40	10.51	0.00	0.15	0.76	
04.20.2021	22:04:52	S	3351.65	W	1300.14	49	50	1	188.95	21.12	49	10.52	0.00	0.15	0.75	
04.20.2021	22:05:52	S	3351.66	W	1259.89	43	44	4	189.13	21.18	39	10.51	0.00	0.15	-0.36	
04.20.2021	22:06:52	S	3351.68	W	1259.64	46	47	2	189.19	21.18	45	10.52	0.00	0.15	-0.37	
04.20.2021	22:07:52	S	3351.68	W	1259.4	45	47	2	189.19	21.17	45	10.52	0.00	0.16	-0.33	
04.20.2021	22:08:52	S	3351.69	W	1259.18	47	47	5	189.41	21.26	42	10.51	0.00	0.15	-0.38	
04.20.2021	22:09:52	S	3351.7	W	1258.93	50	51	-0	189.26	21.18	50	10.52	0.00	0.16	-0.36	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	22:10:52	S	3351.7	W	1258.72	44	45	5	189.45	21.25	38	10.51	0.00	0.15	0.76
04.20.2021	22:11:52	S	3351.71	W	1258.43	50	50	3	189.30	21.25	47	10.51	0.00	0.15	0.76
04.20.2021	22:12:52	S	3351.71	W	1258.22	47	49	3	189.19	21.28	44	10.51	0.00	0.14	0.74
04.20.2021	22:13:52	S	3351.72	W	1257.96	47	47	4	189.15	21.34	43	10.52	0.00	0.16	0.75
04.20.2021	22:14:52	S	3351.73	W	1257.73	50	51	3	188.85	21.30	47	10.51	0.00	0.16	0.76
04.20.2021	22:15:52	S	3351.74	W	1257.51	46	47	5	188.98	21.29	41	10.52	0.00	0.16	-0.38
04.20.2021	22:16:52	S	3351.74	W	1257.27	49	51	1	188.87	21.30	49	10.51	0.00	0.16	-0.37
04.20.2021	22:17:52	S	3351.75	W	1257.01	44	46	3	188.72	21.30	41	10.52	0.00	0.16	-0.36
04.20.2021	22:18:52	S	3351.76	W	1256.78	46	47	2	188.82	21.29	44	10.51	0.00	0.15	-0.33
04.20.2021	22:19:52	S	3351.77	W	1256.54	50	51	3	188.85	21.31	48	10.50	0.00	0.15	-0.37
04.20.2021	22:20:54	S	3351.77	W	1256.32	43	44	3	189.04	21.34	40	10.53	0.00	0.16	0.75
04.20.2021	22:21:54	S	3351.78	W	1256.07	47	47	3	188.76	21.28	43	10.51	0.00	0.16	0.77
04.20.2021	22:22:54	S	3351.78	W	1255.8	44	46	2	188.82	21.29	42	10.52	0.00	0.15	0.77
04.20.2021	22:23:54	S	3351.79	W	1255.58	46	46	2	188.78	21.28	44	10.51	0.00	0.15	0.75
04.20.2021	22:24:54	S	3351.79	W	1255.33	49	50	6	188.74	21.25	43	10.52	0.00	0.15	0.75
04.20.2021	22:25:54	S	3351.8	W	1255.08	43	44	3	188.87	21.30	40	10.51	0.00	0.16	-0.35
04.20.2021	22:26:54	S	3351.81	W	1254.88	48	48	2	189.04	21.30	46	10.51	0.00	0.15	-0.35
04.20.2021	22:27:54	S	3351.82	W	1254.65	42	44	2	188.95	21.30	40	10.51	0.00	0.16	-0.39
04.20.2021	22:28:54	S	3351.82	W	1254.4	49	49	3	189.00	21.27	46	10.51	0.00	0.14	-0.36
04.20.2021	22:29:54	S	3351.83	W	1254.17	49	51	7	189.26	21.29	42	10.51	0.00	0.15	-0.36
04.20.2021	22:30:49	S	3351.84	W	1253.92	43	44	2	189.06	21.25	41	10.53	0.00	0.15	-0.37
04.20.2021	22:31:49	S	3351.86	W	1253.66	48	49	5	189.13	21.30	43	10.52	0.00	0.15	0.77
04.20.2021	22:32:49	S	3351.86	W	1253.43	45	46	1	189.15	21.29	44	10.52	0.00	0.16	0.78
04.20.2021	22:33:49	S	3351.87	W	1253.22	48	48	3	188.78	21.22	44	10.53	0.00	0.13	0.77
04.20.2021	22:34:49	S	3351.88	W	1252.96	49	50	6	189.08	21.33	43	10.50	0.00	0.16	0.75
04.20.2021	22:35:49	S	3351.89	W	1252.76	44	45	0	188.87	21.29	44	10.50	0.00	0.16	0.75
04.20.2021	22:36:49	S	3351.91	W	1252.48	49	50	8	188.67	21.31	42	10.51	0.00	0.15	-0.36
04.20.2021	22:37:49	S	3351.91	W	1252.29	43	45	-1	188.48	21.35	45	10.52	0.00	0.16	-0.34
04.20.2021	22:38:49	S	3351.92	W	1252.04	49	49	6	188.37	21.31	43	10.52	0.00	0.16	-0.38
04.20.2021	22:39:49	S	3351.93	W	1251.79	47	50	1	188.24	21.31	48	10.51	0.00	0.15	-0.36
04.20.2021	22:40:51	S	3351.93	W	1251.53	45	45	5	188.13	21.27	40	10.52	0.00	0.16	-0.36
04.20.2021	22:41:51	S	3351.94	W	1251.31	50	50	6	188.24	21.30	43	10.51	0.00	0.14	0.75
04.20.2021	22:42:51	S	3351.95	W	1251.07	43	44	0	188.11	21.29	42	10.51	0.00	0.14	0.73
04.20.2021	22:43:51	S	3351.96	W	1250.82	47	47	6	188.15	21.27	40	10.51	0.00	0.15	0.75
04.20.2021	22:44:51	S	3351.96	W	1250.62	48	49	-1	188.11	21.22	49	10.51	0.00	0.15	0.77
04.20.2021	22:45:51	S	3351.97	W	1250.37	46	46	5	188.32	21.25	40	10.52	0.00	0.14	0.76
04.20.2021	22:46:51	S	3351.98	W	1250.1	49	50	2	188.45	21.30	47	10.50	0.00	0.15	-0.35
04.20.2021	22:47:51	S	3351.99	W	1249.87	43	44	2	188.54	21.31	41	10.51	0.00	0.14	-0.36

3. Sampling Data (20210420)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	22:48:51	S	3352	W	1249.65	48	49	4	188.37	21.22	44	10.51	0.00	0.15	0.80	
04.20.2021	22:49:51	S	3352.01	W	1249.37	44	44	2	188.59	21.26	42	10.51	0.00	0.15	0.79	
04.20.2021	22:50:53	S	3352.01	W	1249.14	47	48	7	188.56	21.24	40	10.50	0.00	0.15	1.40	
04.20.2021	22:51:53	S	3352.02	W	1248.89	46	49	-1	188.76	21.28	48	10.50	0.00	0.15	-0.36	
04.20.2021	22:52:53	S	3352.03	W	1248.71	46	46	7	188.95	21.26	39	10.51	0.00	0.13	-0.38	
04.20.2021	22:53:53	S	3352.04	W	1248.43	51	52	4	189.17	21.26	48	10.51	0.00	0.14	-0.34	
04.20.2021	22:54:53	S	3352.05	W	1248.17	43	44	4	189.19	21.22	40	10.52	0.00	0.15	-0.35	
04.20.2021	22:55:53	S	3352.06	W	1247.96	46	48	5	189.00	21.21	41	10.51	0.00	0.14	-0.36	
04.20.2021	22:56:53	S	3352.06	W	1247.74	47	48	-1	189.06	21.15	48	10.51	0.00	0.16	0.89	
04.20.2021	22:57:53	S	3352.07	W	1247.48	46	46	8	189.17	21.16	38	10.51	0.00	0.16	0.77	
04.20.2021	22:58:53	S	3352.08	W	1247.26	51	52	1	189.30	21.09	50	10.51	0.00	0.16	0.74	
04.20.2021	22:59:53	S	3352.09	W	1246.99	46	47	5	189.45	21.10	40	10.53	0.00	0.16	0.76	
04.20.2021	23:00:50	S	3352.11	W	1246.76	48	48	3	189.41	21.12	45	10.51	0.00	0.17	0.75	
04.20.2021	23:01:50	S	3352.13	W	1246.51	47	49	1	189.30	21.14	47	10.52	0.00	0.15	-0.35	
04.20.2021	23:02:50	S	3352.14	W	1246.29	46	47	6	188.98	21.01	40	10.51	0.00	0.17	-0.35	
04.20.2021	23:03:50	S	3352.16	W	1246.04	51	52	1	189.06	21.06	50	10.52	0.00	0.15	-0.36	
04.20.2021	23:04:50	S	3352.17	W	1245.83	45	47	5	189.06	21.08	40	10.51	0.00	0.13	-0.36	
04.20.2021	23:05:50	S	3352.19	W	1245.59	51	52	3	189.06	21.05	48	10.51	0.00	0.16	-0.37	
04.20.2021	23:06:50	S	3352.21	W	1245.32	47	49	2	188.95	21.01	45	10.52	0.00	0.16	-0.35	
04.20.2021	23:07:50	S	3352.22	W	1245.11	47	48	2	189.08	21.07	45	10.52	0.00	0.15	0.78	
04.20.2021	23:08:50	S	3352.24	W	1244.86	50	51	4	189.04	21.03	46	10.52	0.00	0.18	0.76	
04.20.2021	23:09:50	S	3352.25	W	1244.6	44	45	2	189.24	21.04	41	10.54	0.00	0.13	0.76	
04.20.2021	23:10:54	S	3352.26	W	1244.4	51	51	2	189.50	21.07	49	10.50	0.00	0.14	0.77	
04.20.2021	23:11:54	S	3352.28	W	1244.13	47	49	3	189.37	21.04	44	10.50	0.00	0.16	0.79	
04.20.2021	23:12:54	S	3352.3	W	1243.91	46	46	3	189.19	20.99	43	10.51	0.00	0.17	-0.35	
04.20.2021	23:13:55	S	3352.3	W	1243.86	48	49	6	189.17	21.04	42	10.51	0.00	0.14	-0.35	
04.20.2021	23:14:54	S	3352.33	W	1243.41	42	44	2	189.15	21.01	41	10.49	0.00	0.14	-0.36	
04.20.2021	23:15:54	S	3352.34	W	1243.19	49	49	4	189.15	21.04	45	10.51	0.00	0.14	-0.37	
04.20.2021	23:16:54	S	3352.36	W	1242.94	45	47	1	189.24	21.01	44	10.52	0.00	0.16	-0.35	
04.20.2021	23:17:54	S	3352.38	W	1242.73	49	49	3	189.17	20.97	46	10.51	0.00	0.16	0.78	
04.20.2021	23:18:54	S	3352.4	W	1242.47	50	51	4	189.19	20.96	45	10.51	0.00	0.14	0.76	
04.20.2021	23:19:54	S	3352.41	W	1242.26	44	45	2	189.37	21.00	42	10.52	0.00	0.16	0.77	
04.20.2021	23:20:53	S	3352.43	W	1242.02	49	49	5	189.50	21.01	44	10.51	0.00	0.15	0.78	
04.20.2021	23:21:53	S	3352.45	W	1241.78	44	46	-0	189.56	21.03	44	10.50	0.00	0.14	0.78	
04.20.2021	23:22:53	S	3352.46	W	1241.54	47	48	2	189.30	20.98	45	10.52	0.00	0.15	-0.36	
04.20.2021	23:23:53	S	3352.48	W	1241.3	48	51	4	189.41	20.99	45	10.51	0.00	0.15	-0.37	
04.20.2021	23:24:53	S	3352.49	W	1241.07	43	44	1	189.71	21.04	42	10.51	0.00	0.16	-0.36	
04.20.2021	23:25:53	S	3352.5	W	1240.96	49	49	6	189.41	20.97	42	10.50	0.00	0.15	-0.34	

3. Sampling Data (20210420)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.20.2021	23:26:53	S	3352.5	W	1240.96	43	45	-1	189.34	20.96	45	10.51	0.00	0.15	-0.36
04.20.2021	23:27:53	S	3352.54	W	1240.39	48	48	5	189.47	21.00	43	10.51	0.00	0.15	0.80
04.20.2021	23:28:53	S	3352.55	W	1240.15	47	49	3	189.37	21.01	44	10.49	0.00	0.15	0.78
04.20.2021	23:29:53	S	3352.57	W	1239.91	43	44	5	189.24	21.04	38	10.53	0.00	0.15	0.78
04.20.2021	23:30:47	S	3352.59	W	1239.67	48	49	6	188.93	21.01	42	10.51	0.00	0.16	0.78
04.20.2021	23:31:47	S	3352.6	W	1239.44	42	43	1	188.72	21.00	41	10.52	0.00	0.15	0.75
04.20.2021	23:32:47	S	3352.62	W	1239.21	47	49	7	188.43	20.98	42	10.51	0.00	0.16	0.80
04.20.2021	23:33:47	S	3352.63	W	1238.97	47	49	0	188.41	21.01	47	10.49	0.00	0.17	-0.36
04.20.2021	23:34:47	S	3352.65	W	1238.74	44	45	8	188.32	20.99	36	10.50	0.00	0.16	-0.37
04.20.2021	23:35:47	S	3352.67	W	1238.53	47	48	2	188.48	21.05	45	10.50	0.00	0.15	-0.36
04.20.2021	23:36:47	S	3352.69	W	1238.3	43	44	4	188.35	20.99	39	10.51	0.00	0.14	-0.36
04.20.2021	23:37:47	S	3352.71	W	1238.06	48	49	5	188.52	21.01	42	10.49	0.00	0.16	-0.36
04.20.2021	23:38:47	S	3352.73	W	1237.81	46	47	-1	188.56	21.04	47	10.51	0.00	0.15	0.77
04.20.2021	23:39:47	S	3352.74	W	1237.59	44	45	6	188.32	20.95	38	10.50	0.00	0.16	0.76
04.20.2021	23:40:49	S	3352.76	W	1237.32	49	50	2	188.56	21.01	47	10.53	0.00	0.15	0.75
04.20.2021	23:41:49	S	3352.78	W	1237.11	44	44	5	188.35	21.00	38	10.51	0.00	0.15	0.78
04.20.2021	23:42:49	S	3352.79	W	1236.89	48	49	4	188.63	20.99	44	10.51	0.00	0.15	0.78
04.20.2021	23:43:49	S	3352.81	W	1236.64	47	48	1	188.85	21.04	45	10.51	0.00	0.14	-0.37
04.20.2021	23:44:49	S	3352.83	W	1236.4	45	46	8	188.98	21.05	38	10.52	0.00	0.15	-0.36
04.20.2021	23:45:49	S	3352.84	W	1236.2	48	49	3	188.98	21.05	45	10.51	0.00	0.15	-0.37
04.20.2021	23:46:49	S	3352.86	W	1235.96	41	43	5	189.00	21.03	37	10.52	0.00	0.13	-0.36
04.20.2021	23:47:49	S	3352.87	W	1235.74	46	47	2	189.13	21.01	44	10.51	0.00	0.16	-0.35
04.20.2021	23:48:49	S	3352.86	W	1235.49	47	49	1	189.50	21.03	46	10.52	0.00	0.15	0.77
04.20.2021	23:49:49	S	3352.86	W	1235.26	47	47	7	189.61	21.06	40	10.52	0.00	0.16	0.78
04.20.2021	23:50:45	S	3352.86	W	1235.04	50	51	2	189.54	20.99	49	10.51	0.00	0.15	0.76
04.20.2021	23:51:45	S	3352.87	W	1234.79	44	46	4	189.67	21.01	41	10.52	0.00	0.15	0.59
04.20.2021	23:52:45	S	3352.88	W	1234.55	48	49	2	189.89	21.06	46	10.50	0.00	0.17	0.76
04.20.2021	23:53:45	S	3352.88	W	1234.32	47	49	3	189.91	21.03	44	10.51	0.00	0.15	-0.36
04.20.2021	23:54:45	S	3352.88	W	1234.1	46	47	6	189.80	21.03	41	10.51	0.00	0.15	-0.36
04.20.2021	23:55:45	S	3352.88	W	1233.84	50	51	2	189.87	21.11	48	10.51	0.00	0.15	-0.34
04.20.2021	23:56:45	S	3352.88	W	1233.61	44	45	5	189.45	21.04	39	10.52	0.00	0.13	-0.38
04.20.2021	23:57:45	S	3352.88	W	1233.38	49	50	2	189.24	21.04	47	10.53	0.00	0.15	-0.36
04.20.2021	23:58:45	S	3352.88	W	1233.12	46	48	3	189.15	21.07	43	10.51	0.00	0.10	-0.36
04.20.2021	23:59:45	S	3352.88	W	1232.9	46	47	3	189.19	21.11	43	10.49	0.00	0.17	0.84

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	00:00:53	S	3352.88	W	1232.66	13.7	4.8	2.8	49.1	60.6	-0.0	-0.3	312.4	8.13	104.6
04.21.2021	00:01:53	S	3352.88	W	1232.45	11.7	4.8	2.4	49.5	60.5	-0.1	-0.4	315.8	8.13	104.6
04.21.2021	00:02:53	S	3352.89	W	1232.2	13.6	4.8	2.8	49.8	60.3	-0.2	-0.4	318.9	8.13	104.6
04.21.2021	00:03:53	S	3352.89	W	1231.98	12.5	4.8	2.6	51.6	61.0	0.0	-0.2	321.6	8.13	104.6
04.21.2021	00:04:53	S	3352.89	W	1231.73	13.0	4.8	2.7	50.8	52.8	-0.1	-0.3	321.4	8.13	104.6
04.21.2021	00:05:53	S	3352.89	W	1231.49	14.6	4.8	3.0	50.9	53.0	0.0	-0.3	323.1	8.13	104.6
04.21.2021	00:06:53	S	3352.89	W	1231.28	14.0	4.8	2.9	50.2	54.3	-0.0	-0.2	322.0	8.13	104.6
04.21.2021	00:07:53	S	3352.9	W	1231.02	14.0	4.8	2.9	49.3	53.4	-0.1	-0.3	322.5	8.16	104.6
04.21.2021	00:08:53	S	3352.9	W	1230.79	13.9	4.8	2.9	51.4	53.1	-0.1	-0.3	322.6	8.16	104.6
04.21.2021	00:09:53	S	3352.9	W	1230.54	15.9	4.8	3.3	50.7	53.3	0.0	-0.2	321.7	8.13	104.6
04.21.2021	00:10:46	S	3352.9	W	1230.31	16.0	4.7	3.4	49.8	53.0	0.0	-0.2	320.1	8.13	104.6
04.21.2021	00:11:46	S	3352.91	W	1230.07	13.0	4.8	2.7	49.7	53.5	0.0	-0.2	320.0	8.13	104.6
04.21.2021	00:12:46	S	3352.91	W	1229.87	13.8	4.8	2.9	49.7	52.9	-0.1	-0.3	316.9	8.13	104.6
04.21.2021	00:13:46	S	3352.92	W	1229.6	15.5	4.8	3.2	49.5	54.2	0.0	-0.2	320.0	8.13	104.6
04.21.2021	00:14:46	S	3352.92	W	1229.39	13.3	4.8	2.8	51.1	56.1	0.0	-0.3	313.6	8.13	104.6
04.21.2021	00:15:46	S	3352.91	W	1229.14	12.9	4.8	2.7	49.2	54.2	-0.1	-0.3	316.5	8.15	104.6
04.21.2021	00:16:46	S	3352.92	W	1228.89	13.9	4.8	2.9	50.6	54.4	-0.0	-0.3	312.9	8.13	104.6
04.21.2021	00:17:46	S	3352.92	W	1228.67	11.3	4.7	2.4	50.8	54.4	-0.0	-0.3	317.8	8.13	104.6
04.21.2021	00:18:46	S	3352.92	W	1228.41	13.6	4.7	2.8	50.3	53.9	-0.1	-0.4	321.5	8.13	104.6
04.21.2021	00:19:46	S	3352.92	W	1228.18	17.0	4.7	3.6	49.8	54.6	0.1	-0.2	322.1	8.15	104.6
04.21.2021	00:20:49	S	3352.92	W	1227.93	17.3	4.7	3.6	51.8	54.9	-0.1	-0.3	320.4	8.13	104.6
04.21.2021	00:21:49	S	3352.92	W	1227.66	13.5	4.8	2.8	50.3	55.1	0.0	-0.3	323.4	8.15	104.6
04.21.2021	00:22:49	S	3352.93	W	1227.47	13.7	4.8	2.8	51.2	54.2	-0.0	-0.3	322.1	8.15	104.6
04.21.2021	00:23:49	S	3352.93	W	1227.2	13.0	4.8	2.7	50.4	53.6	-0.0	-0.2	321.5	8.15	104.6
04.21.2021	00:24:49	S	3352.94	W	1226.98	12.9	4.7	2.7	49.0	54.6	-0.1	-0.3	321.5	8.17	104.6
04.21.2021	00:25:49	S	3352.95	W	1226.73	15.3	4.7	3.2	48.2	54.3	0.1	-0.2	322.9	8.18	105.1
04.21.2021	00:26:49	S	3352.95	W	1226.49	14.6	4.7	3.1	49.2	54.0	-0.1	-0.3	322.8	8.18	105.1
04.21.2021	00:27:49	S	3352.96	W	1226.23	11.5	4.7	2.4	49.8	53.9	0.0	-0.3	321.1	8.16	105.1
04.21.2021	00:28:49	S	3352.96	W	1225.99	14.0	4.7	2.9	52.3	54.8	-0.1	-0.3	319.0	8.15	105.4
04.21.2021	00:29:49	S	3352.97	W	1225.74	10.7	4.8	2.2	50.5	53.3	0.0	-0.2	317.7	8.15	105.4
04.21.2021	00:30:50	S	3352.97	W	1225.55	12.1	4.7	2.5	49.4	53.1	0.1	-0.2	317.0	8.12	105.4
04.21.2021	00:31:50	S	3352.98	W	1225.27	13.3	4.8	2.8	49.5	53.1	-0.0	-0.2	315.7	8.15	104.9
04.21.2021	00:32:50	S	3352.98	W	1225.27	12.2	4.7	2.5	49.6	53.0	-0.1	-0.4	314.0	8.17	105.2
04.21.2021	00:33:50	S	3352.98	W	1224.78	11.4	4.8	2.3	50.0	52.7	-0.1	-0.3	316.4	8.17	105.2
04.21.2021	00:34:50	S	3352.99	W	1224.54	12.1	4.8	2.5	50.5	55.3	-0.1	-0.3	316.3	8.18	104.6
04.21.2021	00:35:50	S	3352.99	W	1224.31	11.0	4.8	2.2	49.7	55.8	-0.1	-0.2	321.6	8.18	105.4
04.21.2021	00:36:50	S	3353	W	1224.09	10.8	4.8	2.2	50.4	56.3	0.1	-0.2	321.3	8.17	104.9
04.21.2021	00:37:50	S	3353.01	W	1223.83	13.0	4.8	2.7	51.0	56.2	-0.2	-0.4	323.0	8.18	104.6

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	00:38:50	S	3353.02	W	1223.59	12.2	4.8	2.5	51.6	60.9	-0.0	-0.2	322.2	8.15	104.9
04.21.2021	00:39:50	S	3353.02	W	1223.39	12.0	4.8	2.5	49.2	61.3	-0.1	-0.3	321.3	8.15	104.6
04.21.2021	00:40:53	S	3353.03	W	1223.13	10.0	4.8	2.0	49.6	60.6	0.0	-0.2	321.8	8.15	104.6
04.21.2021	00:41:53	S	3353.03	W	1222.9	9.4	4.8	1.9	53.2	61.4	0.0	-0.2	320.3	8.15	104.6
04.21.2021	00:42:53	S	3353.04	W	1222.64	6.8	4.8	1.4	52.5	61.0	-0.1	-0.3	320.5	8.18	104.6
04.21.2021	00:43:53	S	3353.06	W	1222.4	8.9	4.8	1.8	51.1	60.9	-0.1	-0.4	317.8	8.18	104.6
04.21.2021	00:44:53	S	3353.08	W	1222.16	10.0	4.7	2.1	50.6	62.1	0.0	-0.2	318.1	8.12	105.2
04.21.2021	00:45:53	S	3353.09	W	1221.91	9.0	4.7	1.9	50.6	60.8	0.0	-0.3	314.2	8.12	104.9
04.21.2021	00:46:53	S	3353.11	W	1221.68	9.5	4.8	1.9	51.5	61.8	-0.1	-0.3	316.0	8.15	104.6
04.21.2021	00:47:53	S	3353.12	W	1221.42	6.6	4.8	1.3	49.3	61.9	0.0	-0.2	314.4	8.13	104.6
04.21.2021	00:48:53	S	3353.13	W	1221.17	7.4	4.8	1.5	49.7	61.1	-0.1	-0.3	319.7	8.15	104.6
04.21.2021	00:49:53	S	3353.15	W	1220.95	9.1	4.8	1.8	51.3	62.7	-0.0	-0.3	314.5	8.12	105.2
04.21.2021	00:50:47	S	3353.17	W	1220.69	8.0	4.8	1.6	49.7	60.4	-0.1	-0.3	316.9	8.12	105.2
04.21.2021	00:51:47	S	3353.19	W	1220.49	9.5	4.8	1.9	51.1	59.9	-0.0	-0.2	321.9	8.12	105.2
04.21.2021	00:52:47	S	3353.21	W	1220.24	9.3	4.8	1.9	49.3	60.7	-0.1	-0.3	322.7	8.12	105.2
04.21.2021	00:53:47	S	3353.23	W	1220	6.1	4.8	1.2	48.6	62.2	-0.1	-0.3	322.4	8.15	104.6
04.21.2021	00:54:47	S	3353.25	W	1219.75	7.3	4.8	1.5	50.8	53.4	-0.1	-0.3	322.8	8.15	104.9
04.21.2021	00:55:47	S	3353.26	W	1219.49	8.9	4.8	1.8	50.1	53.4	-0.0	-0.3	323.0	8.13	104.6
04.21.2021	00:56:47	S	3353.28	W	1219.25	7.3	4.8	1.5	49.4	53.5	-0.1	-0.3	322.6	8.17	105.1
04.21.2021	00:57:47	S	3353.29	W	1219.01	8.2	4.8	1.6	49.5	53.2	-0.1	-0.4	321.0	8.13	105.4
04.21.2021	00:58:47	S	3353.31	W	1218.76	9.0	4.7	1.9	50.0	53.9	-0.1	-0.4	320.9	8.17	105.1
04.21.2021	00:59:47	S	3353.32	W	1218.54	7.4	4.8	1.5	49.6	55.6	-0.1	-0.3	318.4	8.16	105.2
04.21.2021	01:00:55	S	3353.35	W	1218.26	7.3	4.8	1.5	52.0	58.3	0.1	-0.2	320.5	8.16	104.6
04.21.2021	01:01:55	S	3353.37	W	1218.05	6.0	4.8	1.2	50.7	57.2	0.0	-0.2	315.0	8.13	104.6
04.21.2021	01:02:55	S	3353.39	W	1217.79	7.3	4.7	1.5	50.5	57.6	-0.1	-0.3	317.5	8.12	105.2
04.21.2021	01:03:55	S	3353.4	W	1217.54	7.0	4.8	1.4	49.5	56.4	-0.0	-0.3	315.4	8.16	105.2
04.21.2021	01:04:55	S	3353.42	W	1217.31	6.5	4.8	1.3	50.9	56.8	0.0	-0.3	318.2	8.12	105.2
04.21.2021	01:05:55	S	3353.44	W	1217.03	7.8	4.8	1.6	49.9	56.4	-0.0	-0.2	318.4	8.12	105.2
04.21.2021	01:06:55	S	3353.45	W	1216.82	8.0	4.8	1.6	50.2	56.7	0.0	-0.2	319.1	8.12	105.2
04.21.2021	01:07:55	S	3353.46	W	1216.58	7.8	4.8	1.6	50.4	56.6	-0.1	-0.4	321.7	8.12	105.2
04.21.2021	01:08:55	S	3353.48	W	1216.31	6.8	4.8	1.4	48.9	57.2	0.0	-0.2	322.1	8.12	105.2
04.21.2021	01:09:55	S	3353.5	W	1216.09	9.0	4.8	1.8	50.3	57.4	-0.1	-0.4	322.6	8.12	105.2
04.21.2021	01:10:55	S	3353.52	W	1215.84	9.0	4.8	1.8	49.4	57.6	-0.1	-0.3	322.6	8.12	105.2
04.21.2021	01:11:55	S	3353.54	W	1215.6	7.8	4.8	1.6	49.3	56.6	-0.1	-0.3	322.3	8.12	105.2
04.21.2021	01:12:55	S	3353.56	W	1215.3	10.0	4.8	2.0	50.7	57.8	-0.1	-0.3	323.2	8.15	105.2
04.21.2021	01:13:55	S	3353.57	W	1215.07	8.4	4.8	1.7	50.7	58.2	-0.1	-0.3	320.9	8.12	105.4
04.21.2021	01:14:55	S	3353.58	W	1214.82	8.4	4.8	1.7	49.7	57.3	-0.1	-0.3	321.6	8.12	105.2
04.21.2021	01:15:55	S	3353.6	W	1214.55	9.1	4.8	1.8	49.0	56.5	-0.1	-0.3	320.1	8.16	105.1

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	01:16:55	S	3353.61	W	1214.31	7.5	4.8	1.5	50.0	57.6	0.0	-0.2	319.9	8.12	105.2	
04.21.2021	01:17:55	S	3353.63	W	1214.06	8.5	4.8	1.7	49.3	56.6	0.0	-0.2	317.8	8.15	105.2	
04.21.2021	01:18:55	S	3353.64	W	1213.82	9.2	4.8	1.8	49.5	56.6	-0.1	-0.3	316.4	8.16	105.4	
04.21.2021	01:19:55	S	3353.65	W	1213.56	9.5	4.8	1.9	51.7	57.4	-0.0	-0.3	315.4	8.12	105.2	
04.21.2021	01:20:49	S	3353.67	W	1213.29	8.6	4.8	1.7	50.7	57.0	-0.0	-0.2	318.7	8.12	105.2	
04.21.2021	01:21:49	S	3353.68	W	1213.08	7.6	4.8	1.5	50.5	57.0	0.0	-0.3	317.5	8.15	105.4	
04.21.2021	01:22:49	S	3353.69	W	1212.81	7.1	4.7	1.5	51.2	57.1	0.0	-0.2	318.1	8.12	105.2	
04.21.2021	01:23:49	S	3353.71	W	1212.59	6.4	4.8	1.3	51.4	56.5	-0.0	-0.3	317.4	8.12	105.2	
04.21.2021	01:24:49	S	3353.72	W	1212.35	9.8	4.7	2.1	49.4	57.3	-0.1	-0.3	321.9	8.15	105.2	
04.21.2021	01:25:49	S	3353.74	W	1212.05	7.6	4.8	1.6	50.3	60.3	0.1	-0.2	322.4	8.12	105.2	
04.21.2021	01:26:49	S	3353.75	W	1211.83	7.8	4.8	1.6	51.3	59.1	-0.1	-0.3	322.0	8.15	105.2	
04.21.2021	01:27:49	S	3353.76	W	1211.6	8.9	4.8	1.8	50.4	63.6	0.0	-0.3	322.9	8.16	105.4	
04.21.2021	01:28:49	S	3353.77	W	1211.35	9.1	4.8	1.8	50.8	64.2	-0.1	-0.3	322.1	8.12	105.2	
04.21.2021	01:29:49	S	3353.79	W	1211.05	7.5	4.8	1.5	49.6	60.7	-0.1	-0.3	320.0	8.17	105.2	
04.21.2021	01:30:53	S	3353.81	W	1210.84	10.0	4.8	2.0	50.8	61.1	-0.0	-0.2	320.1	8.17	105.2	
04.21.2021	01:31:53	S	3353.83	W	1210.57	11.1	4.8	2.3	49.4	60.5	-0.0	-0.4	317.0	8.17	105.2	
04.21.2021	01:32:53	S	3353.84	W	1210.33	10.8	4.8	2.2	51.5	59.9	0.0	-0.2	317.3	8.17	105.2	
04.21.2021	01:33:53	S	3353.86	W	1210.07	10.2	4.8	2.0	49.6	59.7	-0.2	-0.4	315.0	8.15	105.2	
04.21.2021	01:34:53	S	3353.87	W	1209.8	9.7	4.8	1.9	48.8	60.2	0.1	-0.1	314.5	8.17	105.2	
04.21.2021	01:35:53	S	3353.89	W	1209.59	8.4	4.8	1.7	50.5	60.2	0.1	-0.2	314.6	8.15	105.2	
04.21.2021	01:36:53	S	3353.91	W	1209.31	9.0	4.8	1.8	51.1	60.0	-0.1	-0.4	314.7	8.15	105.2	
04.21.2021	01:37:53	S	3353.92	W	1209.05	8.6	4.8	1.7	49.5	59.9	-0.0	-0.3	319.3	8.17	105.2	
04.21.2021	01:38:53	S	3353.94	W	1208.79	8.5	4.8	1.7	51.1	60.9	-0.0	-0.3	322.3	8.17	105.2	
04.21.2021	01:39:53	S	3353.95	W	1208.58	8.8	4.8	1.8	49.9	61.3	0.0	-0.2	320.8	8.17	105.2	
04.21.2021	01:40:50	S	3353.97	W	1208.32	7.2	4.8	1.4	48.1	62.0	-0.1	-0.4	321.0	8.17	105.2	
04.21.2021	01:41:50	S	3353.99	W	1208.03	8.4	4.8	1.7	48.8	60.9	-0.1	-0.3	321.9	8.17	105.2	
04.21.2021	01:42:50	S	3354	W	1207.79	8.8	4.8	1.8	50.0	61.4	-0.2	-0.4	321.7	8.13	105.2	
04.21.2021	01:43:50	S	3354.02	W	1207.56	10.4	4.8	2.1	49.3	54.0	0.0	-0.3	320.6	8.13	105.2	
04.21.2021	01:44:50	S	3354.03	W	1207.3	11.2	4.8	2.3	47.6	53.7	-0.1	-0.4	316.5	8.14	105.4	
04.21.2021	01:45:50	S	3354.03	W	1207.06	12.0	4.8	2.5	49.9	53.6	-0.1	-0.4	320.5	8.13	105.2	
04.21.2021	01:46:50	S	3354.04	W	1206.8	10.2	4.8	2.1	50.2	53.3	-0.1	-0.3	318.4	8.13	105.2	
04.21.2021	01:47:50	S	3354.05	W	1206.56	12.0	4.8	2.5	51.6	53.7	0.0	-0.2	322.6	8.13	105.2	
04.21.2021	01:48:50	S	3354.06	W	1206.28	14.6	4.8	3.0	51.8	53.6	-0.0	-0.2	316.3	8.14	104.9	
04.21.2021	01:49:50	S	3354.08	W	1206.04	13.5	4.8	2.8	49.8	55.9	0.0	-0.2	320.4	8.13	105.2	
04.21.2021	01:50:55	S	3354.09	W	1205.91	11.7	4.7	2.4	46.8	55.9	-0.1	-0.3	313.2	8.13	105.2	
04.21.2021	01:51:55	S	3354.09	W	1205.91	15.3	4.8	3.2	49.7	55.9	0.0	-0.2	315.4	8.13	105.2	
04.21.2021	01:52:55	S	3354.11	W	1205.27	13.1	4.8	2.7	51.5	55.5	0.0	-0.2	314.0	8.14	105.1	
04.21.2021	01:53:55	S	3354.12	W	1205.01	13.8	4.8	2.9	48.1	55.2	-0.1	-0.3	320.4	8.12	105.4	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	01:54:55	S	3354.13	W	1204.78	9.6	4.8	1.9	47.5	53.0	0.0	-0.2	317.4	8.14	104.6
04.21.2021	01:55:55	S	3354.14	W	1204.52	10.4	4.7	2.2	49.3	53.2	-0.0	-0.3	322.0	8.18	104.6
04.21.2021	01:56:55	S	3354.13	W	1204.28	14.3	4.8	3.0	49.4	53.3	-0.2	-0.5	321.7	8.13	105.1
04.21.2021	01:57:55	S	3354.13	W	1203.99	14.3	4.8	3.0	51.3	53.6	0.0	-0.3	321.6	8.16	105.2
04.21.2021	01:58:55	S	3354.14	W	1203.74	14.8	4.8	3.1	51.4	53.4	-0.1	-0.3	322.3	8.17	104.6
04.21.2021	01:59:55	S	3354.14	W	1203.49	13.8	4.8	2.9	49.0	55.5	-0.1	-0.3	322.4	8.16	105.2
04.21.2021	02:00:52	S	3354.15	W	1203.23	13.6	4.8	2.8	51.4	53.5	-0.1	-0.3	321.4	8.15	104.6
04.21.2021	02:01:52	S	3354.15	W	1203.03	13.5	4.8	2.8	51.1	53.2	-0.0	-0.2	322.4	8.13	104.6
04.21.2021	02:02:52	S	3354.15	W	1202.73	14.5	4.8	3.0	49.8	53.1	-0.1	-0.3	321.0	8.15	104.8
04.21.2021	02:03:52	S	3354.15	W	1202.51	15.7	4.8	3.2	49.5	56.0	0.0	-0.2	319.4	8.15	104.9
04.21.2021	02:04:52	S	3354.15	W	1202.24	18.4	4.8	3.8	48.7	55.8	-0.0	-0.3	319.8	8.17	104.9
04.21.2021	02:05:52	S	3354.15	W	1202.01	17.2	4.8	3.5	50.5	56.8	-0.1	-0.3	315.5	8.12	105.2
04.21.2021	02:06:52	S	3354.16	W	1201.74	15.0	4.8	3.1	48.3	54.8	-0.1	-0.3	315.1	8.12	105.2
04.21.2021	02:07:52	S	3354.16	W	1201.45	15.0	4.8	3.1	49.3	55.2	-0.0	-0.3	317.5	8.16	105.2
04.21.2021	02:08:52	S	3354.17	W	1201.21	15.0	4.8	3.1	49.8	55.0	-0.2	-0.4	313.5	8.16	105.2
04.21.2021	02:09:52	S	3354.17	W	1201	15.0	4.8	3.1	49.3	54.6	-0.1	-0.3	316.1	8.16	105.2
04.21.2021	02:10:51	S	3354.18	W	1200.71	14.6	4.8	3.0	48.8	54.6	-0.1	-0.3	318.6	8.13	105.4
04.21.2021	02:11:51	S	3354.18	W	1200.48	15.0	4.8	3.1	50.1	57.1	0.0	-0.2	322.4	8.13	105.4
04.21.2021	02:12:51	S	3354.18	W	1200.2	14.8	4.8	3.1	49.9	57.0	-0.1	-0.3	322.5	8.16	105.1
04.21.2021	02:13:51	S	3354.18	W	1159.97	14.3	4.8	3.0	50.5	55.8	-0.1	-0.3	322.0	8.16	105.2
04.21.2021	02:14:51	S	3354.19	W	1159.7	14.6	4.8	3.0	51.5	55.1	-0.0	-0.3	323.5	8.16	105.2
04.21.2021	02:15:51	S	3354.19	W	1159.42	13.8	4.7	2.9	51.1	55.7	-0.1	-0.3	322.1	8.13	105.4
04.21.2021	02:16:51	S	3354.19	W	1159.2	14.6	4.8	3.0	50.8	55.0	0.0	-0.3	322.3	8.13	105.2
04.21.2021	02:17:51	S	3354.2	W	1158.93	16.0	4.8	3.3	49.4	61.5	-0.1	-0.3	321.9	8.12	105.2
04.21.2021	02:18:51	S	3354.2	W	1158.69	14.9	4.8	3.1	48.9	61.8	0.0	-0.2	321.4	8.16	105.2
04.21.2021	02:19:51	S	3354.21	W	1158.45	13.6	4.8	2.8	52.0	62.4	-0.0	-0.3	319.2	8.12	105.2
04.21.2021	02:20:47	S	3354.22	W	1158.2	12.7	4.8	2.6	46.9	62.5	-0.1	-0.3	318.5	8.12	105.2
04.21.2021	02:21:47	S	3354.24	W	1157.92	14.0	4.7	2.9	48.9	61.7	-0.1	-0.3	316.5	8.12	105.2
04.21.2021	02:22:47	S	3354.25	W	1157.71	14.4	4.7	3.0	48.2	62.2	-0.1	-0.3	313.8	8.12	105.2
04.21.2021	02:23:47	S	3354.26	W	1157.43	12.8	4.8	2.7	47.9	62.1	-0.1	-0.3	313.3	8.18	105.1
04.21.2021	02:24:47	S	3354.26	W	1157.22	14.2	4.8	2.9	51.5	62.1	0.0	-0.2	315.0	8.12	105.2
04.21.2021	02:25:47	S	3354.27	W	1156.96	13.4	4.8	2.8	52.1	63.2	-0.1	-0.3	315.7	8.16	105.2
04.21.2021	02:26:47	S	3354.29	W	1156.69	12.9	4.8	2.7	50.6	61.7	-0.1	-0.3	320.8	8.12	105.2
04.21.2021	02:27:47	S	3354.3	W	1156.48	12.3	4.8	2.5	51.5	62.2	-0.0	-0.3	321.3	8.16	105.2
04.21.2021	02:28:47	S	3354.32	W	1156.22	14.0	4.7	2.9	50.5	62.5	0.0	-0.2	321.9	8.15	105.4
04.21.2021	02:29:47	S	3354.33	W	1155.95	12.5	4.8	2.6	49.3	62.0	-0.2	-0.4	323.7	8.13	105.4
04.21.2021	02:30:48	S	3354.35	W	1155.7	13.0	4.8	2.7	50.1	63.2	0.0	-0.2	322.7	8.13	105.6
04.21.2021	02:31:48	S	3354.36	W	1155.45	12.5	4.8	2.6	49.5	62.0	0.0	-0.3	321.0	8.16	105.4

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	02:32:48	S	3354.36	W	1155.2	12.5	4.8	2.6	50.2	62.7	-0.0	-0.3	321.7	8.13	105.4
04.21.2021	02:33:48	S	3354.38	W	1154.95	13.0	4.8	2.7	50.3	54.9	-0.0	-0.3	320.6	8.13	105.1
04.21.2021	02:34:48	S	3354.39	W	1154.72	16.1	4.8	3.3	48.8	56.1	0.0	-0.3	320.9	8.16	105.2
04.21.2021	02:35:48	S	3354.4	W	1154.46	12.5	4.7	2.6	48.3	54.9	-0.1	-0.3	316.2	8.13	105.4
04.21.2021	02:36:48	S	3354.42	W	1154.2	13.0	4.8	2.7	47.8	54.9	-0.1	-0.3	319.8	8.13	105.1
04.21.2021	02:37:48	S	3354.42	W	1153.98	13.0	4.8	2.7	51.3	54.3	-0.0	-0.3	313.5	8.13	105.5
04.21.2021	02:38:48	S	3354.44	W	1153.74	10.9	4.8	2.2	50.2	54.2	-0.1	-0.3	317.1	8.16	105.8
04.21.2021	02:39:48	S	3354.45	W	1153.47	11.2	4.8	2.3	48.7	53.4	-0.1	-0.4	314.0	8.13	105.5
04.21.2021	02:40:52	S	3354.47	W	1153.24	12.5	4.8	2.6	48.1	55.4	-0.0	-0.3	318.4	8.15	105.5
04.21.2021	02:41:52	S	3354.48	W	1152.96	9.8	4.8	2.0	50.9	54.6	-0.1	-0.3	315.5	8.15	105.5
04.21.2021	02:42:52	S	3354.49	W	1152.74	9.9	4.8	2.0	51.1	54.1	-0.1	-0.4	319.5	8.13	105.5
04.21.2021	02:43:52	S	3354.5	W	1152.48	9.2	4.8	1.8	50.6	54.8	-0.0	-0.3	321.6	8.15	105.5
04.21.2021	02:44:52	S	3354.51	W	1152.24	11.6	4.8	2.4	51.7	54.5	-0.1	-0.4	321.8	8.13	105.5
04.21.2021	02:45:52	S	3354.52	W	1151.98	10.0	4.8	2.0	50.8	55.1	-0.1	-0.3	322.2	8.15	105.5
04.21.2021	02:46:52	S	3354.53	W	1151.74	10.5	4.7	2.2	48.9	54.1	-0.0	-0.3	322.8	8.15	105.5
04.21.2021	02:47:52	S	3354.55	W	1151.53	9.9	4.8	2.0	48.8	54.7	-0.0	-0.3	321.6	8.13	105.5
04.21.2021	02:48:52	S	3354.56	W	1151.26	11.5	4.7	2.4	50.8	55.4	-0.1	-0.3	321.6	8.15	105.5
04.21.2021	02:49:52	S	3354.56	W	1151.03	9.5	4.8	1.9	50.4	54.8	-0.1	-0.3	321.5	8.13	105.5
04.21.2021	02:50:47	S	3354.57	W	1150.77	10.0	4.8	2.0	51.6	56.9	-0.1	-0.3	320.7	8.15	105.5
04.21.2021	02:51:47	S	3354.58	W	1150.54	9.7	4.8	1.9	49.7	56.8	-0.1	-0.3	320.0	8.15	105.5
04.21.2021	02:52:47	S	3354.59	W	1150.27	7.5	4.8	1.5	49.7	56.6	-0.0	-0.3	317.1	8.13	105.5
04.21.2021	02:53:47	S	3354.6	W	1150.05	8.8	4.8	1.8	50.7	59.0	-0.1	-0.3	316.2	8.13	105.5
04.21.2021	02:54:47	S	3354.61	W	1149.77	7.1	4.8	1.4	50.1	56.7	-0.1	-0.3	314.0	8.15	105.5
04.21.2021	02:55:47	S	3354.62	W	1149.52	7.2	4.8	1.4	50.3	57.3	0.0	-0.3	315.2	8.17	105.5
04.21.2021	02:56:47	S	3354.63	W	1149.3	8.0	4.8	1.6	49.8	57.1	-0.0	-0.2	318.2	8.15	105.5
04.21.2021	02:57:47	S	3354.63	W	1149.06	6.5	4.8	1.3	49.8	56.8	-0.1	-0.3	317.9	8.17	105.5
04.21.2021	02:58:47	S	3354.64	W	1148.8	8.0	4.8	1.6	50.7	54.9	-0.1	-0.3	318.2	8.13	105.5
04.21.2021	02:59:47	S	3354.65	W	1148.56	7.7	4.8	1.5	49.6	55.3	0.0	-0.2	320.4	8.15	105.5
04.21.2021	03:00:48	S	3354.66	W	1148.29	8.0	4.7	1.7	50.3	55.3	-0.1	-0.3	322.1	8.15	105.5
04.21.2021	03:01:48	S	3354.67	W	1148.07	8.0	4.8	1.6	51.1	55.8	0.0	-0.3	324.2	8.15	105.5
04.21.2021	03:02:48	S	3354.68	W	1147.82	7.0	4.8	1.4	49.7	55.3	-0.0	-0.3	321.8	8.15	105.5
04.21.2021	03:03:48	S	3354.69	W	1147.59	8.8	4.8	1.8	50.9	56.9	-0.0	-0.2	321.2	8.15	105.5
04.21.2021	03:04:48	S	3354.7	W	1147.31	7.8	4.8	1.6	50.8	56.6	-0.1	-0.3	321.6	8.15	105.5
04.21.2021	03:05:48	S	3354.71	W	1147.06	6.3	4.8	1.3	53.2	55.9	-0.0	-0.3	322.5	8.15	105.5
04.21.2021	03:06:48	S	3354.72	W	1146.85	6.8	4.8	1.4	49.1	60.7	0.0	-0.2	318.7	8.17	105.5
04.21.2021	03:07:48	S	3354.74	W	1146.6	7.5	4.7	1.5	48.3	60.6	-0.1	-0.3	317.6	8.13	105.5
04.21.2021	03:08:48	S	3354.75	W	1146.33	9.3	4.7	2.0	50.2	60.1	-0.1	-0.4	316.3	8.13	105.5
04.21.2021	03:09:48	S	3354.75	W	1146.1	9.2	4.8	1.8	51.9	60.5	-0.1	-0.3	316.4	8.15	105.5

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	03:10:53	S	3354.77	W	1145.84	10.6	4.8	2.2	51.0	60.4	0.0	-0.2	313.4	8.13	105.5
04.21.2021	03:11:53	S	3354.78	W	1145.6	9.8	4.7	2.1	50.6	60.6	-0.0	-0.3	313.6	8.15	105.5
04.21.2021	03:12:53	S	3354.79	W	1145.38	8.2	4.7	1.7	49.5	60.2	-0.1	-0.3	318.3	8.13	105.5
04.21.2021	03:13:53	S	3354.8	W	1145.15	7.7	4.8	1.5	51.8	62.6	-0.1	-0.3	319.0	8.13	105.5
04.21.2021	03:14:53	S	3354.81	W	1144.88	7.4	4.8	1.5	49.8	62.1	-0.1	-0.3	320.7	8.15	105.5
04.21.2021	03:15:53	S	3354.83	W	1144.63	8.6	4.8	1.7	50.2	61.2	-0.0	-0.3	321.9	8.13	105.5
04.21.2021	03:16:53	S	3354.84	W	1144.42	8.8	4.8	1.8	48.6	60.7	0.0	-0.2	322.2	8.15	105.5
04.21.2021	03:17:53	S	3354.85	W	1144.15	7.1	4.7	1.4	51.0	61.2	-0.1	-0.4	321.2	8.15	105.5
04.21.2021	03:18:53	S	3354.87	W	1143.89	9.6	4.8	1.9	49.6	60.8	-0.1	-0.3	321.7	8.13	105.5
04.21.2021	03:19:53	S	3354.88	W	1143.65	8.6	4.8	1.7	51.4	61.0	-0.1	-0.4	321.8	8.15	105.5
04.21.2021	03:20:48	S	3354.89	W	1143.42	8.5	4.8	1.7	51.5	64.6	-0.0	-0.3	321.7	8.13	105.8
04.21.2021	03:21:48	S	3354.9	W	1143.17	9.0	4.8	1.8	52.5	65.0	-0.0	-0.3	321.8	8.12	105.8
04.21.2021	03:22:48	S	3354.92	W	1142.93	9.5	4.8	1.9	49.5	57.3	-0.1	-0.3	319.0	8.15	105.5
04.21.2021	03:23:48	S	3354.95	W	1142.66	9.2	4.7	1.9	50.1	57.9	-0.1	-0.3	320.0	8.15	105.5
04.21.2021	03:24:48	S	3354.96	W	1142.42	9.3	4.7	1.9	49.7	57.1	-0.0	-0.2	314.7	8.13	105.5
04.21.2021	03:25:48	S	3354.98	W	1142.15	7.2	4.8	1.4	50.2	57.0	-0.1	-0.3	317.0	8.18	105.5
04.21.2021	03:26:48	S	3355	W	1141.89	6.8	4.8	1.4	50.8	56.6	0.0	-0.2	313.3	8.15	105.5
04.21.2021	03:27:48	S	3355.02	W	1141.68	8.4	4.8	1.7	51.1	56.8	-0.0	-0.3	316.5	8.15	105.5
04.21.2021	03:28:48	S	3355.04	W	1141.4	10.0	4.8	2.0	50.5	57.1	-0.1	-0.2	318.8	8.15	105.5
04.21.2021	03:29:48	S	3355.05	W	1141.16	10.0	4.8	2.0	50.5	57.3	-0.1	-0.3	316.3	8.13	105.5
04.21.2021	03:30:50	S	3355.07	W	1140.9	9.0	4.8	1.8	50.3	57.4	-0.1	-0.4	321.9	8.15	105.5
04.21.2021	03:31:50	S	3355.08	W	1140.67	8.9	4.8	1.8	51.7	56.6	-0.1	-0.3	321.2	8.15	105.5
04.21.2021	03:32:50	S	3355.1	W	1140.42	8.0	4.8	1.6	50.7	57.2	0.0	-0.3	323.7	8.13	105.5
04.21.2021	03:33:50	S	3355.12	W	1140.17	7.6	4.8	1.5	49.6	56.8	-0.1	-0.3	321.1	8.15	105.5
04.21.2021	03:34:50	S	3355.14	W	1139.92	8.1	4.7	1.7	51.5	57.3	-0.1	-0.3	320.4	8.15	105.5
04.21.2021	03:35:50	S	3355.15	W	1139.69	9.3	4.8	1.9	48.1	57.0	-0.1	-0.3	321.6	8.15	105.5
04.21.2021	03:36:50	S	3355.18	W	1139.4	8.3	4.8	1.7	49.8	57.8	-0.1	-0.3	321.1	8.15	105.5
04.21.2021	03:37:50	S	3355.19	W	1139.17	8.0	4.8	1.6	50.0	57.3	-0.1	-0.3	321.9	8.15	105.5
04.21.2021	03:38:50	S	3355.21	W	1138.92	10.0	4.8	2.0	51.7	57.3	-0.0	-0.3	321.8	8.15	105.5
04.21.2021	03:39:50	S	3355.23	W	1138.68	9.5	4.8	1.9	48.5	57.1	-0.1	-0.3	320.9	8.15	105.5
04.21.2021	03:40:52	S	3355.24	W	1138.52	8.1	4.8	1.6	49.1	56.8	-0.1	-0.4	316.7	8.13	105.5
04.21.2021	03:41:52	S	3355.24	W	1138.52	9.4	4.8	1.9	50.2	57.7	-0.0	-0.2	315.7	8.15	105.5
04.21.2021	03:42:52	S	3355.29	W	1137.92	7.9	4.8	1.6	50.1	57.0	-0.0	-0.3	315.1	8.16	105.1
04.21.2021	03:43:52	S	3355.31	W	1137.69	9.2	4.8	1.8	50.0	56.9	-0.1	-0.3	316.8	8.15	105.6
04.21.2021	03:44:52	S	3355.33	W	1137.43	12.0	4.8	2.5	51.8	57.8	-0.1	-0.4	314.0	8.15	105.4
04.21.2021	03:45:52	S	3355.35	W	1137.2	10.9	4.8	2.2	49.3	56.5	-0.0	-0.2	317.5	8.15	105.5
04.21.2021	03:46:52	S	3355.37	W	1136.92	8.5	4.8	1.7	50.2	57.4	-0.0	-0.3	316.3	8.15	105.5
04.21.2021	03:47:52	S	3355.38	W	1136.71	12.3	4.7	2.6	50.2	55.9	-0.1	-0.3	320.2	8.15	105.5

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	03:48:52	S	3355.39	W	1136.44	13.2	4.8	2.7	52.6	56.8	-0.0	-0.2	323.0	8.15	105.5	
04.21.2021	03:49:52	S	3355.39	W	1136.19	14.0	4.8	2.9	50.9	59.1	-0.0	-0.3	321.2	8.13	105.5	
04.21.2021	03:50:49	S	3355.4	W	1135.93	13.6	4.8	2.8	50.0	59.2	0.0	-0.2	321.7	8.15	105.5	
04.21.2021	03:51:49	S	3355.42	W	1135.68	13.0	4.7	2.7	51.6	55.9	-0.1	-0.3	321.4	8.15	105.5	
04.21.2021	03:52:49	S	3355.42	W	1135.45	12.5	4.7	2.6	48.9	55.5	-0.1	-0.3	321.7	8.15	105.5	
04.21.2021	03:53:49	S	3355.43	W	1135.22	14.2	4.8	2.9	48.8	54.2	-0.0	-0.3	320.6	8.13	105.5	
04.21.2021	03:54:49	S	3355.44	W	1134.94	10.0	4.8	2.0	46.8	54.4	-0.0	-0.3	319.9	8.15	105.5	
04.21.2021	03:55:49	S	3355.44	W	1134.68	12.0	4.7	2.5	50.8	61.6	-0.0	-0.2	318.9	8.15	105.5	
04.21.2021	03:56:49	S	3355.43	W	1134.49	14.3	4.8	3.0	49.8	60.2	-0.1	-0.3	314.7	8.15	105.5	
04.21.2021	03:57:49	S	3355.41	W	1134.2	16.8	4.8	3.5	52.6	60.4	-0.0	-0.3	314.0	8.15	105.5	
04.21.2021	03:58:49	S	3355.41	W	1133.95	14.2	4.8	2.9	50.4	60.3	0.0	-0.1	315.2	8.13	105.5	
04.21.2021	03:59:49	S	3355.41	W	1133.71	12.4	4.8	2.6	48.9	60.0	-0.1	-0.3	313.9	8.15	105.5	
04.21.2021	04:00:46	S	3355.41	W	1133.47	13.4	4.8	2.8	48.7	59.8	-0.1	-0.3	313.2	8.14	105.5	
04.21.2021	04:01:46	S	3355.4	W	1133.22	13.5	4.8	2.8	49.6	59.6	-0.0	-0.2	313.7	8.12	105.7	
04.21.2021	04:02:46	S	3355.4	W	1132.98	13.2	4.8	2.7	47.5	59.9	0.0	-0.3	320.5	8.15	105.5	
04.21.2021	04:03:46	S	3355.39	W	1132.69	13.4	4.8	2.8	48.6	60.1	-0.1	-0.3	321.4	8.13	105.5	
04.21.2021	04:04:46	S	3355.38	W	1132.46	15.6	4.8	3.2	50.4	62.9	-0.0	-0.3	322.2	8.15	105.5	
04.21.2021	04:05:46	S	3355.37	W	1132.22	15.5	4.9	3.1	48.8	60.7	-0.1	-0.3	322.0	8.15	105.5	
04.21.2021	04:06:46	S	3355.37	W	1131.99	15.5	4.8	3.2	51.3	60.7	-0.1	-0.3	322.1	8.18	105.5	
04.21.2021	04:07:46	S	3355.37	W	1131.73	15.2	4.8	3.1	51.0	63.5	-0.0	-0.3	322.7	8.15	105.5	
04.21.2021	04:08:46	S	3355.36	W	1131.45	14.4	4.8	3.0	50.9	61.1	-0.1	-0.4	323.3	8.12	105.7	
04.21.2021	04:09:46	S	3355.35	W	1131.24	15.2	4.8	3.1	50.4	60.8	-0.1	-0.3	320.9	8.15	105.5	
04.21.2021	04:10:48	S	3355.34	W	1130.99	14.6	4.8	3.0	52.1	60.3	-0.1	-0.4	322.0	8.15	105.5	
04.21.2021	04:11:48	S	3355.33	W	1130.75	11.5	4.8	2.4	54.9	53.2	-0.1	-0.3	317.8	8.15	105.5	
04.21.2021	04:12:48	S	3355.33	W	1130.61	9.0	4.8	1.8	55.1	53.8	-0.0	-0.3	319.1	8.15	105.5	
04.21.2021	04:13:48	S	3355.33	W	1130.61	14.4	4.8	3.0	51.7	53.3	0.1	-0.2	315.4	8.15	105.5	
04.21.2021	04:14:48	S	3355.36	W	1129.95	14.3	4.7	3.0	49.4	53.5	0.0	-0.2	318.1	8.15	105.5	
04.21.2021	04:15:48	S	3355.38	W	1129.71	12.2	4.7	2.5	49.9	52.6	-0.0	-0.3	311.5	8.15	105.5	
04.21.2021	04:16:48	S	3355.4	W	1129.48	14.0	4.7	2.9	49.8	53.5	0.0	-0.2	316.3	8.15	105.5	
04.21.2021	04:17:48	S	3355.41	W	1129.2	12.5	4.8	2.6	51.7	53.3	-0.1	-0.3	318.9	8.13	105.5	
04.21.2021	04:18:48	S	3355.42	W	1128.96	12.4	4.8	2.6	51.7	53.9	-0.1	-0.3	317.8	8.15	105.5	
04.21.2021	04:19:48	S	3355.43	W	1128.71	11.8	4.8	2.4	50.9	55.5	0.0	-0.2	322.7	8.15	105.5	
04.21.2021	04:20:49	S	3355.44	W	1128.48	9.7	4.8	1.9	50.2	54.6	-0.1	-0.3	322.6	8.15	105.5	
04.21.2021	04:21:49	S	3355.45	W	1128.2	12.0	4.8	2.5	50.2	54.8	-0.1	-0.3	322.1	8.15	105.5	
04.21.2021	04:22:49	S	3355.46	W	1127.96	11.6	4.7	2.4	52.4	57.8	-0.0	-0.2	321.4	8.15	105.5	
04.21.2021	04:23:49	S	3355.48	W	1127.7	12.9	4.7	2.7	51.3	54.0	-0.1	-0.3	322.9	8.15	105.5	
04.21.2021	04:24:49	S	3355.5	W	1127.42	10.5	4.7	2.2	49.8	53.8	-0.1	-0.3	322.4	8.15	105.5	
04.21.2021	04:25:49	S	3355.51	W	1127.15	9.6	4.7	2.0	51.0	53.9	-0.0	-0.3	322.3	8.13	105.5	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0				Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	04:26:49	S	3355.52	W	1126.92	9.2	4.8	1.8	50.2	54.0	-0.1	-0.3	321.0	8.15	105.5
04.21.2021	04:27:49	S	3355.54	W	1126.66	8.4	4.7	1.7	51.4	53.9	-0.1	-0.3	321.6	8.15	105.5
04.21.2021	04:28:49	S	3355.56	W	1126.4	9.8	4.8	2.0	49.5	53.7	-0.1	-0.3	317.5	8.13	105.5
04.21.2021	04:29:49	S	3355.58	W	1126.12	8.9	4.7	1.9	49.0	53.9	-0.0	-0.2	316.4	8.13	105.5
04.21.2021	04:30:51	S	3355.59	W	1125.88	10.0	4.7	2.1	48.6	56.4	-0.0	-0.2	316.8	8.15	105.5
04.21.2021	04:31:51	S	3355.61	W	1125.63	8.8	4.8	1.8	48.5	55.8	-0.1	-0.4	317.0	8.13	105.5
04.21.2021	04:32:51	S	3355.62	W	1125.35	10.0	4.8	2.0	51.1	53.9	0.1	-0.2	315.5	8.13	105.5
04.21.2021	04:33:51	S	3355.63	W	1125.11	8.0	4.8	1.6	47.4	52.6	-0.1	-0.3	319.1	8.17	105.5
04.21.2021	04:34:51	S	3355.65	W	1124.88	7.0	4.7	1.4	50.5	52.7	-0.0	-0.3	321.4	8.15	105.5
04.21.2021	04:35:51	S	3355.66	W	1124.58	8.5	4.8	1.8	49.0	53.0	-0.1	-0.4	319.9	8.15	106.0
04.21.2021	04:36:51	S	3355.68	W	1124.36	9.4	4.7	2.0	50.5	55.1	-0.0	-0.3	322.2	8.12	106.2
04.21.2021	04:37:51	S	3355.69	W	1124.09	7.6	4.8	1.5	50.3	53.6	-0.1	-0.4	321.7	8.18	106.2
04.21.2021	04:38:51	S	3355.7	W	1123.86	7.0	4.8	1.4	51.2	53.7	0.0	-0.2	321.2	8.18	106.2
04.21.2021	04:39:51	S	3355.72	W	1123.6	9.3	4.8	1.9	50.6	53.4	-0.1	-0.4	322.7	8.15	105.5
04.21.2021	04:40:53	S	3355.73	W	1123.33	9.1	4.7	1.9	51.7	54.1	0.0	-0.3	321.7	8.15	106.4
04.21.2021	04:41:53	S	3355.75	W	1123.07	7.3	4.8	1.5	48.2	53.4	-0.1	-0.3	320.6	8.16	106.2
04.21.2021	04:42:53	S	3355.76	W	1122.83	6.8	4.7	1.4	50.0	53.9	0.1	-0.2	317.6	8.15	106.4
04.21.2021	04:43:53	S	3355.78	W	1122.57	8.8	4.8	1.8	50.8	54.2	-0.0	-0.3	321.1	8.14	106.4
04.21.2021	04:44:53	S	3355.79	W	1122.3	8.0	4.7	1.7	48.4	54.6	-0.1	-0.4	314.9	8.15	106.4
04.21.2021	04:45:53	S	3355.81	W	1122.04	6.0	4.7	1.2	50.1	62.8	-0.1	-0.3	315.5	8.17	106.2
04.21.2021	04:46:53	S	3355.82	W	1121.77	5.9	4.8	1.2	49.8	61.5	-0.1	-0.3	315.1	8.14	106.4
04.21.2021	04:47:53	S	3355.83	W	1121.55	7.4	4.8	1.5	51.2	61.2	-0.1	-0.3	315.5	8.14	106.4
04.21.2021	04:48:53	S	3355.85	W	1121.27	7.9	4.8	1.6	50.3	61.2	0.0	-0.2	315.3	8.17	106.2
04.21.2021	04:49:53	S	3355.87	W	1121.01	7.0	4.7	1.4	49.6	61.3	-0.0	-0.2	318.3	8.14	106.2
04.21.2021	04:50:54	S	3355.88	W	1120.79	7.5	4.8	1.5	49.5	60.7	-0.0	-0.2	317.8	8.13	105.5
04.21.2021	04:51:54	S	3355.9	W	1120.51	9.0	4.8	1.8	51.2	60.3	-0.0	-0.3	321.6	8.14	106.4
04.21.2021	04:52:54	S	3355.92	W	1120.24	9.0	4.8	1.8	49.7	63.1	-0.1	-0.3	322.5	8.15	105.7
04.21.2021	04:53:54	S	3355.94	W	1119.98	9.3	4.8	1.9	49.4	63.5	-0.0	-0.3	322.0	8.14	106.4
04.21.2021	04:54:54	S	3355.95	W	1119.74	11.8	4.8	2.4	46.7	63.0	0.0	-0.2	322.9	8.15	106.4
04.21.2021	04:55:54	S	3355.97	W	1119.48	9.7	4.8	1.9	49.6	62.9	-0.1	-0.3	322.3	8.15	105.5
04.21.2021	04:56:54	S	3355.98	W	1119.23	6.6	4.8	1.3	50.0	62.8	0.0	-0.2	322.1	8.18	105.5
04.21.2021	04:57:54	S	3356	W	1118.96	8.7	4.8	1.7	51.9	63.8	0.0	-0.2	321.8	8.18	105.5
04.21.2021	04:58:54	S	3356.01	W	1118.7	8.5	4.8	1.7	49.0	63.7	-0.1	-0.3	315.2	8.18	105.5
04.21.2021	04:59:54	S	3356.03	W	1118.44	7.6	4.8	1.5	51.2	62.9	-0.0	-0.3	319.4	8.18	105.5
04.21.2021	05:00:51	S	3356.04	W	1118.23	8.0	4.8	1.6	49.7	62.6	-0.1	-0.3	315.9	8.18	105.5
04.21.2021	05:01:51	S	3356.07	W	1117.95	8.3	4.7	1.8	49.3	55.8	-0.1	-0.3	316.7	8.18	105.5
04.21.2021	05:02:51	S	3356.09	W	1117.71	6.6	4.7	1.3	48.0	55.3	-0.1	-0.4	313.1	8.17	105.8
04.21.2021	05:03:51	S	3356.1	W	1117.44	7.3	4.8	1.5	51.2	55.7	-0.1	-0.3	317.4	8.18	105.5

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	05:04:51	S	3356.11	W	1117.21	6.6	4.8	1.3	49.8	58.2	-0.1	-0.3	318.0	8.18	105.5	
04.21.2021	05:05:51	S	3356.11	W	1116.97	9.4	4.8	1.9	50.5	55.7	-0.0	-0.4	316.0	8.18	105.5	
04.21.2021	05:06:51	S	3356.12	W	1116.77	7.4	4.7	1.5	49.7	55.1	-0.0	-0.3	319.5	8.18	105.5	
04.21.2021	05:07:51	S	3356.12	W	1116.48	8.9	4.8	1.8	49.9	55.8	-0.2	-0.4	321.0	8.14	105.5	
04.21.2021	05:08:51	S	3356.15	W	1116.17	8.2	4.8	1.6	48.9	56.3	0.1	-0.3	322.2	8.18	105.5	
04.21.2021	05:09:51	S	3356.16	W	1115.94	9.0	4.7	1.9	48.9	56.3	0.0	-0.2	323.1	8.18	105.5	
04.21.2021	05:10:54	S	3356.16	W	1115.68	8.4	4.7	1.8	51.1	56.4	-0.1	-0.3	322.2	8.14	105.5	
04.21.2021	05:11:54	S	3356.17	W	1115.42	9.1	4.8	1.8	51.2	56.9	-0.1	-0.4	322.4	8.18	105.5	
04.21.2021	05:12:54	S	3356.18	W	1115.17	8.6	4.8	1.7	53.7	55.8	-0.1	-0.3	321.3	8.18	105.5	
04.21.2021	05:13:54	S	3356.19	W	1114.93	7.7	4.7	1.6	49.8	55.8	0.0	-0.2	320.7	8.18	105.5	
04.21.2021	05:14:54	S	3356.2	W	1114.63	8.9	4.7	1.9	52.4	56.8	-0.0	-0.3	321.7	8.15	105.5	
04.21.2021	05:15:54	S	3356.21	W	1114.4	7.9	4.7	1.7	49.4	56.4	0.1	-0.2	318.0	8.18	105.5	
04.21.2021	05:16:54	S	3356.21	W	1114.14	6.7	4.7	1.4	50.2	56.4	-0.1	-0.3	317.0	8.18	105.5	
04.21.2021	05:17:54	S	3356.21	W	1113.91	8.6	4.8	1.7	49.8	54.9	0.0	-0.2	316.1	8.15	105.5	
04.21.2021	05:18:54	S	3356.22	W	1113.67	7.6	4.7	1.6	51.1	55.2	0.0	-0.2	315.2	8.15	105.5	
04.21.2021	05:19:54	S	3356.22	W	1113.36	7.1	4.7	1.4	50.5	54.2	0.0	-0.2	314.7	8.18	105.5	
04.21.2021	05:20:50	S	3356.23	W	1113.15	7.7	4.7	1.6	49.4	53.7	-0.1	-0.3	312.8	8.18	105.5	
04.21.2021	05:21:50	S	3356.24	W	1112.9	7.6	4.7	1.6	49.9	54.8	-0.1	-0.3	318.7	8.18	105.5	
04.21.2021	05:22:50	S	3356.25	W	1112.61	9.3	4.7	2.0	48.7	54.0	-0.0	-0.3	319.9	8.18	105.5	
04.21.2021	05:23:50	S	3356.25	W	1112.37	6.2	4.7	1.2	50.4	54.3	-0.0	-0.2	322.8	8.12	105.7	
04.21.2021	05:24:50	S	3356.25	W	1112.12	8.0	4.7	1.7	50.3	54.9	0.0	-0.3	320.9	8.18	105.5	
04.21.2021	05:25:50	S	3356.25	W	1111.87	6.9	4.7	1.4	48.3	56.7	-0.1	-0.3	321.9	8.18	105.5	
04.21.2021	05:26:50	S	3356.26	W	1111.61	8.3	4.8	1.7	52.4	54.9	-0.1	-0.3	322.8	8.15	105.5	
04.21.2021	05:27:50	S	3356.27	W	1111.37	10.2	4.8	2.1	50.2	57.8	-0.0	-0.3	322.0	8.18	105.5	
04.21.2021	05:28:50	S	3356.28	W	1111.11	8.5	4.7	1.8	47.6	57.4	-0.1	-0.3	320.7	8.15	105.5	
04.21.2021	05:29:50	S	3356.29	W	1110.87	8.9	4.7	1.9	49.1	58.3	0.0	-0.2	318.5	8.15	105.5	
04.21.2021	05:30:48	S	3356.3	W	1110.6	8.2	4.7	1.7	49.5	55.7	-0.0	-0.3	320.2	8.18	105.5	
04.21.2021	05:31:48	S	3356.3	W	1110.36	9.0	4.8	1.8	49.1	55.1	-0.1	-0.3	319.2	8.18	105.5	
04.21.2021	05:32:48	S	3356.3	W	1110.1	10.0	4.8	2.0	51.0	55.3	-0.1	-0.3	316.5	8.15	105.5	
04.21.2021	05:33:48	S	3356.31	W	1109.83	9.7	4.7	2.0	51.9	55.6	-0.0	-0.3	314.2	8.15	105.5	
04.21.2021	05:34:48	S	3356.31	W	1109.6	6.0	4.7	1.2	49.7	54.8	-0.1	-0.3	313.2	8.18	105.5	
04.21.2021	05:35:48	S	3356.32	W	1109.32	10.3	4.7	2.2	50.8	61.8	-0.1	-0.2	312.7	8.18	106.4	
04.21.2021	05:36:48	S	3356.32	W	1109.11	8.6	4.7	1.8	48.9	61.5	0.0	-0.2	318.5	8.14	106.2	
04.21.2021	05:37:48	S	3356.32	W	1108.86	8.5	4.7	1.8	50.8	61.6	-0.1	-0.3	314.3	8.17	106.4	
04.21.2021	05:38:48	S	3356.32	W	1108.58	10.0	4.8	2.0	50.7	62.0	-0.1	-0.2	319.3	8.15	105.7	
04.21.2021	05:39:48	S	3356.33	W	1108.36	10.0	4.8	2.0	49.7	61.2	-0.1	-0.3	322.4	8.14	106.4	
04.21.2021	05:40:54	S	3356.33	W	1108.09	9.5	4.7	2.0	50.5	63.1	-0.1	-0.4	322.0	8.14	106.4	
04.21.2021	05:41:54	S	3356.34	W	1107.86	10.0	4.7	2.1	48.6	63.4	-0.1	-0.3	322.0	8.18	106.0	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	05:42:54	S	3356.34	W	1107.58	8.7	4.7	1.8	49.3	63.5	0.0	-0.2	322.0	8.17	106.4	
04.21.2021	05:43:54	S	3356.34	W	1107.37	8.0	4.7	1.7	49.7	62.8	-0.2	-0.4	321.7	8.14	106.2	
04.21.2021	05:44:54	S	3356.34	W	1107.13	9.3	4.7	2.0	48.9	62.0	-0.1	-0.3	322.8	8.14	106.2	
04.21.2021	05:45:54	S	3356.34	W	1106.87	9.3	4.8	1.9	51.4	62.8	-0.0	-0.3	319.1	8.14	106.2	
04.21.2021	05:46:54	S	3356.34	W	1106.62	12.0	4.7	2.5	48.7	62.0	-0.0	-0.2	322.1	8.16	106.2	
04.21.2021	05:47:54	S	3356.34	W	1106.36	12.5	4.8	2.6	51.4	63.0	-0.0	-0.3	317.6	8.17	106.4	
04.21.2021	05:48:54	S	3356.35	W	1106.14	10.8	4.8	2.2	50.2	62.0	-0.1	-0.3	319.2	8.18	106.4	
04.21.2021	05:49:54	S	3356.35	W	1105.88	7.4	4.7	1.5	49.6	63.6	-0.1	-0.3	314.4	8.17	106.4	
04.21.2021	05:50:51	S	3356.36	W	1105.65	10.0	4.7	2.1	50.1	58.8	-0.1	-0.3	316.0	8.16	106.4	
04.21.2021	05:51:51	S	3356.36	W	1105.39	11.0	4.8	2.3	52.7	58.7	0.0	-0.2	312.8	8.15	106.2	
04.21.2021	05:52:51	S	3356.36	W	1105.37	13.0	4.8	2.7	51.8	59.0	0.0	-0.2	317.1	8.15	106.4	
04.21.2021	05:53:51	S	3356.37	W	1104.87	11.2	4.8	2.3	51.1	58.3	-0.1	-0.3	318.0	8.17	106.4	
04.21.2021	05:54:51	S	3356.39	W	1104.66	11.9	4.7	2.5	49.1	58.3	-0.1	-0.3	322.1	8.12	105.7	
04.21.2021	05:55:51	S	3356.4	W	1104.39	12.2	4.7	2.5	49.6	58.9	-0.1	-0.3	322.2	8.15	105.5	
04.21.2021	05:56:51	S	3356.41	W	1104.15	13.0	4.8	2.7	49.3	58.7	-0.1	-0.3	322.6	8.13	105.5	
04.21.2021	05:57:51	S	3356.41	W	1103.88	14.1	4.8	2.9	51.4	59.5	-0.0	-0.3	321.5	8.15	105.5	
04.21.2021	05:58:51	S	3356.42	W	1103.62	14.0	4.7	2.9	51.8	59.3	-0.1	-0.3	322.2	8.15	105.5	
04.21.2021	05:59:51	S	3356.43	W	1103.41	13.2	4.7	2.7	50.8	59.2	-0.0	-0.3	321.6	8.15	105.5	
04.21.2021	06:00:55	S	3356.44	W	1103.16	13.7	4.7	2.8	51.0	60.4	-0.1	-0.3	320.5	8.12	105.8	
04.21.2021	06:01:55	S	3356.45	W	1102.91	14.3	4.7	3.0	49.5	58.8	-0.0	-0.3	321.3	8.15	105.5	
04.21.2021	06:02:55	S	3356.46	W	1102.65	14.0	4.7	2.9	49.3	58.8	-0.1	-0.3	322.3	8.15	105.5	
04.21.2021	06:03:55	S	3356.47	W	1102.41	12.6	4.7	2.6	50.9	59.1	-0.0	-0.3	319.4	8.15	105.5	
04.21.2021	06:04:55	S	3356.49	W	1102.16	13.0	4.7	2.7	50.3	58.8	0.1	-0.2	318.3	8.12	105.7	
04.21.2021	06:05:55	S	3356.49	W	1101.93	12.7	4.7	2.6	50.9	58.8	-0.0	-0.2	315.5	8.15	105.5	
04.21.2021	06:06:55	S	3356.5	W	1101.67	11.6	4.8	2.4	49.7	58.6	-0.0	-0.2	315.6	8.15	105.5	
04.21.2021	06:07:55	S	3356.51	W	1101.43	12.0	4.7	2.5	52.3	58.5	-0.1	-0.3	315.6	8.15	105.5	
04.21.2021	06:08:55	S	3356.52	W	1101.19	12.6	4.7	2.6	50.3	58.9	0.0	-0.2	314.5	8.15	105.5	
04.21.2021	06:09:55	S	3356.53	W	1100.95	15.1	4.7	3.1	49.5	59.1	-0.1	-0.3	318.0	8.18	105.5	
04.21.2021	06:10:55	S	3356.54	W	1100.69	14.9	4.7	3.1	50.9	59.3	-0.1	-0.3	319.4	8.15	106.0	
04.21.2021	06:11:55	S	3356.55	W	1100.44	13.7	4.7	2.8	47.9	57.5	-0.1	-0.4	320.8	8.15	105.5	
04.21.2021	06:12:55	S	3356.55	W	1100.2	13.2	4.7	2.7	47.5	59.0	-0.1	-0.3	323.0	8.15	105.5	
04.21.2021	06:13:55	S	3356.56	W	1059.96	11.3	4.8	2.3	48.4	58.7	-0.0	-0.3	323.1	8.15	105.5	
04.21.2021	06:14:55	S	3356.56	W	1059.71	12.0	4.8	2.5	51.5	59.1	-0.1	-0.3	322.6	8.18	106.0	
04.21.2021	06:15:55	S	3356.56	W	1059.48	13.0	4.8	2.7	50.5	58.6	-0.1	-0.3	322.5	8.15	105.5	
04.21.2021	06:16:55	S	3356.57	W	1059.26	12.7	4.7	2.6	51.8	60.4	-0.1	-0.3	321.3	8.15	105.5	
04.21.2021	06:17:55	S	3356.57	W	1059.01	9.8	4.7	2.1	48.7	55.3	-0.0	-0.2	320.7	8.15	105.5	
04.21.2021	06:18:55	S	3356.58	W	1058.73	9.5	4.8	1.9	49.3	55.7	-0.0	-0.2	320.7	8.15	105.5	
04.21.2021	06:19:55	S	3356.59	W	1058.48	10.4	4.7	2.2	50.6	55.4	0.0	-0.3	318.3	8.15	105.5	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	06:20:56	S	3356.59	W	1058.28	9.0	4.7	1.9	50.0	55.1	0.0	-0.2	318.5	8.13	105.7	
04.21.2021	06:21:56	S	3356.6	W	1058.02	10.5	4.7	2.2	50.0	55.8	-0.0	-0.3	315.0	8.18	105.5	
04.21.2021	06:22:56	S	3356.6	W	1057.79	6.6	4.7	1.3	52.8	54.9	-0.1	-0.3	313.8	8.15	105.5	
04.21.2021	06:23:57	S	3356.61	W	1057.54	6.3	4.8	1.3	51.9	56.0	-0.1	-0.3	315.5	8.15	106.0	
04.21.2021	06:24:57	S	3356.62	W	1057.29	5.9	4.7	1.2	49.8	54.8	-0.0	-0.2	315.9	8.17	106.2	
04.21.2021	06:25:57	S	3356.64	W	1057.02	8.1	4.7	1.7	50.3	61.7	-0.0	-0.2	320.5	8.15	106.4	
04.21.2021	06:26:57	S	3356.65	W	1056.81	9.5	4.7	2.0	49.4	60.8	0.0	-0.2	322.9	8.14	106.2	
04.21.2021	06:27:57	S	3356.66	W	1056.52	5.2	4.7	1.0	50.7	61.2	-0.0	-0.3	323.0	8.15	106.4	
04.21.2021	06:28:57	S	3356.66	W	1056.31	6.5	4.8	1.3	51.5	61.7	0.1	-0.3	322.5	8.15	106.4	
04.21.2021	06:29:57	S	3356.67	W	1056.07	6.3	4.8	1.3	51.9	61.3	-0.1	-0.4	323.5	8.12	106.2	
04.21.2021	06:30:53	S	3356.68	W	1055.81	9.0	4.7	1.9	50.8	61.7	0.0	-0.2	321.9	8.15	106.0	
04.21.2021	06:31:53	S	3356.69	W	1055.54	8.0	4.7	1.7	50.7	62.1	-0.1	-0.4	321.7	8.18	105.5	
04.21.2021	06:32:53	S	3356.7	W	1055.3	6.6	4.7	1.3	48.9	62.3	0.0	-0.2	321.2	8.18	106.0	
04.21.2021	06:33:53	S	3356.71	W	1055.05	9.3	4.7	2.0	50.2	62.5	-0.1	-0.3	322.1	8.17	106.2	
04.21.2021	06:34:53	S	3356.72	W	1054.79	8.0	4.7	1.7	50.9	64.2	0.0	-0.2	319.1	8.15	106.0	
04.21.2021	06:35:53	S	3356.73	W	1054.57	7.6	4.7	1.6	50.4	63.2	0.0	-0.2	322.7	8.12	105.7	
04.21.2021	06:36:53	S	3356.75	W	1054.31	9.8	4.7	2.1	49.3	62.9	-0.1	-0.4	315.8	8.15	105.5	
04.21.2021	06:37:53	S	3356.77	W	1054.1	6.7	4.8	1.3	48.7	63.1	-0.1	-0.3	318.9	8.18	105.5	
04.21.2021	06:38:53	S	3356.79	W	1053.85	7.5	4.7	1.6	49.5	62.0	0.0	-0.3	315.0	8.12	105.7	
04.21.2021	06:39:53	S	3356.8	W	1053.59	7.8	4.7	1.6	50.4	62.0	-0.1	-0.3	315.2	8.13	105.5	
04.21.2021	06:40:54	S	3356.81	W	1053.36	10.5	4.8	2.1	49.6	54.1	-0.1	-0.3	316.1	8.13	105.5	
04.21.2021	06:41:54	S	3356.82	W	1053.12	12.0	4.7	2.5	52.0	54.5	-0.0	-0.3	315.5	8.14	105.5	
04.21.2021	06:42:54	S	3356.83	W	1052.87	9.3	4.7	2.0	49.0	54.6	0.0	-0.2	321.5	8.14	105.5	
04.21.2021	06:43:54	S	3356.84	W	1052.64	11.0	4.7	2.3	51.8	54.9	-0.0	-0.2	322.3	8.17	105.5	
04.21.2021	06:44:54	S	3356.85	W	1052.39	14.4	4.7	3.0	51.3	54.8	-0.1	-0.3	323.0	8.17	105.7	
04.21.2021	06:45:54	S	3356.87	W	1052.16	11.3	4.7	2.4	51.2	55.1	0.0	-0.2	322.0	8.17	105.5	
04.21.2021	06:46:54	S	3356.89	W	1051.91	12.2	4.7	2.5	49.6	55.5	0.0	-0.2	322.3	8.14	105.5	
04.21.2021	06:47:54	S	3356.9	W	1051.67	12.2	4.7	2.5	52.7	55.9	0.0	-0.2	322.6	8.14	105.5	
04.21.2021	06:48:54	S	3356.9	W	1051.62	13.1	4.7	2.7	52.1	55.1	-0.1	-0.3	322.8	8.14	105.5	
04.21.2021	06:49:54	S	3356.93	W	1051.15	14.5	4.7	3.0	51.3	55.1	-0.1	-0.3	320.8	8.14	105.5	
04.21.2021	06:50:51	S	3356.94	W	1050.94	12.3	4.7	2.6	50.2	54.5	-0.0	-0.3	322.1	8.14	105.5	
04.21.2021	06:51:51	S	3356.95	W	1050.68	10.1	4.7	2.1	48.9	57.4	-0.1	-0.3	317.9	8.17	105.5	
04.21.2021	06:52:51	S	3356.96	W	1050.44	12.5	4.7	2.6	51.3	57.4	0.0	-0.2	318.4	8.13	105.5	
04.21.2021	06:53:51	S	3356.98	W	1050.17	11.0	4.7	2.3	50.2	57.9	-0.0	-0.3	317.2	8.13	105.5	
04.21.2021	06:54:51	S	3356.99	W	1049.94	12.3	4.7	2.6	51.2	57.7	0.0	-0.2	316.1	8.17	105.5	
04.21.2021	06:55:51	S	3357.01	W	1049.71	12.2	4.7	2.5	50.2	57.0	-0.1	-0.3	314.2	8.17	105.5	
04.21.2021	06:56:51	S	3357.02	W	1049.44	11.6	4.7	2.4	51.4	54.3	-0.1	-0.3	314.6	8.17	105.5	
04.21.2021	06:57:51	S	3357.04	W	1049.21	12.7	4.7	2.6	52.0	54.4	-0.1	-0.4	320.2	8.14	105.5	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	06:58:51	S	3357.05	W	1048.96	13.0	4.7	2.7	51.5	54.8	-0.0	-0.2	319.7	8.17	105.5
04.21.2021	06:59:51	S	3357.07	W	1048.72	11.0	4.7	2.3	49.2	56.0	-0.1	-0.3	322.8	8.14	105.5
04.21.2021	07:00:55	S	3357.08	W	1048.47	11.8	4.7	2.5	49.6	56.8	-0.0	-0.2	320.6	8.17	105.5
04.21.2021	07:01:55	S	3357.1	W	1048.23	11.0	4.7	2.3	50.6	56.4	-0.0	-0.3	322.0	8.13	105.5
04.21.2021	07:02:55	S	3357.11	W	1048	10.6	4.7	2.2	50.5	56.1	0.0	-0.2	322.2	8.17	105.5
04.21.2021	07:03:55	S	3357.13	W	1047.74	10.3	4.7	2.2	49.3	55.4	-0.1	-0.3	321.5	8.13	105.5
04.21.2021	07:04:55	S	3357.15	W	1047.46	10.3	4.7	2.2	49.5	56.1	-0.1	-0.3	321.0	8.13	105.5
04.21.2021	07:05:55	S	3357.16	W	1047.24	11.8	4.7	2.5	51.0	55.8	-0.2	-0.4	320.7	8.14	105.5
04.21.2021	07:06:55	S	3357.18	W	1046.99	12.0	4.7	2.5	49.9	55.9	-0.0	-0.3	320.0	8.17	105.7
04.21.2021	07:07:55	S	3357.19	W	1046.78	12.5	4.7	2.6	52.0	55.9	-0.1	-0.3	317.0	8.14	105.5
04.21.2021	07:08:55	S	3357.2	W	1046.48	12.8	4.7	2.7	49.9	55.6	-0.1	-0.3	315.7	8.16	106.4
04.21.2021	07:09:55	S	3357.21	W	1046.25	13.0	4.7	2.7	50.6	55.4	-0.1	-0.3	315.9	8.18	106.4
04.21.2021	07:10:51	S	3357.22	W	1046.03	15.9	4.7	3.4	50.3	55.2	-0.0	-0.3	314.4	8.13	106.4
04.21.2021	07:11:51	S	3357.24	W	1045.77	15.3	4.7	3.2	50.7	56.8	0.1	-0.2	314.1	8.13	106.4
04.21.2021	07:12:51	S	3357.25	W	1045.54	14.0	4.7	2.9	52.3	55.2	0.0	-0.2	319.5	8.16	106.4
04.21.2021	07:13:51	S	3357.25	W	1045.48	13.6	4.7	2.8	51.4	54.5	-0.1	-0.3	316.6	8.13	106.4
04.21.2021	07:14:51	S	3357.28	W	1045.04	15.6	4.7	3.3	47.1	61.0	-0.0	-0.2	322.4	8.18	106.4
04.21.2021	07:15:51	S	3357.29	W	1044.76	14.8	4.7	3.1	51.2	62.9	-0.1	-0.3	322.2	8.16	106.4
04.21.2021	07:16:51	S	3357.3	W	1044.54	14.0	4.7	2.9	52.3	62.2	-0.1	-0.3	322.0	8.13	106.4
04.21.2021	07:17:51	S	3357.31	W	1044.28	16.0	4.7	3.4	50.0	62.0	-0.1	-0.3	321.6	8.13	106.4
04.21.2021	07:18:51	S	3357.32	W	1044.03	15.6	4.7	3.3	49.5	62.0	-0.1	-0.3	321.7	8.13	106.4
04.21.2021	07:19:51	S	3357.33	W	1043.8	15.6	4.7	3.3	50.0	62.6	-0.1	-0.3	320.7	8.18	106.4
04.21.2021	07:20:54	S	3357.34	W	1043.53	13.3	4.7	2.8	52.3	61.6	-0.1	-0.3	322.7	8.13	106.4
04.21.2021	07:21:54	S	3357.35	W	1043.32	14.9	4.7	3.1	50.5	62.4	-0.0	-0.3	320.6	8.16	106.4
04.21.2021	07:22:54	S	3357.37	W	1043.07	15.0	4.7	3.1	49.9	63.0	-0.0	-0.3	322.0	8.13	106.4
04.21.2021	07:23:54	S	3357.37	W	1042.81	15.0	4.7	3.1	50.2	63.2	-0.0	-0.3	316.6	8.16	106.4
04.21.2021	07:24:54	S	3357.38	W	1042.56	12.6	4.7	2.6	51.4	63.6	-0.1	-0.3	317.6	8.18	106.4
04.21.2021	07:25:54	S	3357.39	W	1042.34	14.3	4.7	3.0	51.2	63.7	-0.0	-0.3	313.2	8.12	106.2
04.21.2021	07:26:54	S	3357.4	W	1042.1	13.8	4.7	2.9	49.1	63.2	-0.0	-0.3	316.7	8.16	106.4
04.21.2021	07:27:54	S	3357.42	W	1041.81	15.4	4.7	3.2	50.1	62.3	-0.1	-0.3	312.3	8.13	106.4
04.21.2021	07:28:54	S	3357.43	W	1041.6	14.5	4.7	3.0	49.1	61.9	-0.0	-0.2	320.5	8.16	106.4
04.21.2021	07:29:54	S	3357.44	W	1041.32	13.6	4.7	2.8	49.4	61.9	-0.0	-0.2	319.6	8.12	106.2
04.21.2021	07:30:51	S	3357.44	W	1041.09	13.2	4.7	2.7	50.7	54.7	-0.1	-0.3	319.4	8.13	106.4
04.21.2021	07:31:51	S	3357.45	W	1040.87	14.4	4.8	3.0	50.3	56.1	-0.0	-0.2	322.6	8.12	106.2
04.21.2021	07:32:51	S	3357.46	W	1040.61	14.8	4.7	3.1	50.4	55.5	-0.1	-0.3	321.8	8.16	106.4
04.21.2021	07:33:51	S	3357.47	W	1040.36	13.7	4.8	2.8	49.4	57.7	-0.1	-0.3	322.6	8.16	106.2
04.21.2021	07:34:51	S	3357.48	W	1040.13	14.2	4.8	2.9	51.2	58.0	-0.0	-0.3	322.0	8.16	106.2
04.21.2021	07:35:51	S	3357.49	W	1039.87	12.8	4.7	2.7	48.5	57.8	-0.1	-0.3	322.6	8.13	106.4

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	07:36:51	S	3357.5	W	1039.65	15.4	4.7	3.2	51.3	57.7	-0.1	-0.3	321.1	8.13	106.4
04.21.2021	07:37:51	S	3357.51	W	1039.37	14.8	4.8	3.1	50.3	55.0	-0.1	-0.3	322.0	8.15	106.2
04.21.2021	07:38:51	S	3357.52	W	1039.13	15.0	4.8	3.1	49.8	55.3	0.0	-0.2	319.3	8.17	106.2
04.21.2021	07:39:51	S	3357.53	W	1038.91	15.0	4.7	3.1	49.8	55.2	-0.1	-0.3	319.7	8.17	105.5
04.21.2021	07:40:48	S	3357.54	W	1038.65	12.1	4.7	2.5	51.5	55.6	-0.0	-0.3	315.6	8.13	105.5
04.21.2021	07:41:48	S	3357.55	W	1038.42	14.7	4.7	3.0	50.2	54.9	-0.0	-0.3	317.9	8.13	105.5
04.21.2021	07:42:48	S	3357.56	W	1038.13	12.0	4.7	2.5	50.6	54.7	-0.1	-0.4	317.8	8.13	105.5
04.21.2021	07:43:48	S	3357.57	W	1037.92	14.3	4.7	3.0	50.3	54.4	-0.1	-0.3	315.0	8.13	105.5
04.21.2021	07:44:48	S	3357.58	W	1037.65	14.8	4.8	3.1	50.3	54.6	0.0	-0.2	319.4	8.13	105.5
04.21.2021	07:45:48	S	3357.58	W	1037.45	13.9	4.7	2.9	49.8	54.3	-0.1	-0.3	320.1	8.15	105.5
04.21.2021	07:46:48	S	3357.6	W	1037.17	13.2	4.8	2.7	51.7	54.6	-0.1	-0.4	321.7	8.15	105.5
04.21.2021	07:47:48	S	3357.6	W	1036.94	12.3	4.8	2.6	51.2	54.9	-0.1	-0.4	321.1	8.13	105.5
04.21.2021	07:48:48	S	3357.62	W	1036.69	13.1	4.7	2.7	50.7	55.5	0.0	-0.2	323.8	8.15	105.5
04.21.2021	07:49:48	S	3357.63	W	1036.44	15.0	4.7	3.1	47.7	55.6	-0.1	-0.3	322.5	8.13	105.5
04.21.2021	07:50:49	S	3357.63	W	1036.22	12.3	4.7	2.6	50.0	55.9	0.0	-0.2	322.9	8.12	105.7
04.21.2021	07:51:49	S	3357.64	W	1036	12.0	4.8	2.5	50.4	56.0	-0.1	-0.3	322.2	8.15	105.5
04.21.2021	07:52:49	S	3357.65	W	1035.74	9.9	4.8	2.0	51.7	55.7	-0.0	-0.2	322.5	8.15	105.5
04.21.2021	07:53:49	S	3357.66	W	1035.52	11.6	4.8	2.4	51.2	54.9	-0.1	-0.3	320.6	8.12	105.7
04.21.2021	07:54:49	S	3357.67	W	1035.23	11.1	4.7	2.3	49.9	54.8	-0.1	-0.3	320.5	8.15	106.0
04.21.2021	07:55:49	S	3357.68	W	1035	9.5	4.7	2.0	51.6	58.2	-0.1	-0.3	317.2	8.15	105.5
04.21.2021	07:56:49	S	3357.69	W	1034.74	8.5	4.8	1.7	52.8	59.5	0.0	-0.3	315.9	8.12	105.7
04.21.2021	07:57:49	S	3357.7	W	1034.53	10.3	4.7	2.2	49.5	58.3	-0.0	-0.3	315.3	8.15	105.5
04.21.2021	07:58:49	S	3357.71	W	1034.28	13.4	4.7	2.8	49.9	58.8	0.0	-0.3	313.1	8.15	105.5
04.21.2021	07:59:49	S	3357.72	W	1034.03	11.5	4.7	2.4	49.8	65.2	0.0	-0.2	313.7	8.15	105.5
04.21.2021	08:00:55	S	3357.73	W	1033.79	14.0	4.8	2.9	50.4	66.0	-0.2	-0.4	316.4	8.15	105.5
04.21.2021	08:01:55	S	3357.74	W	1033.55	12.0	4.7	2.5	49.5	65.2	-0.0	-0.3	321.8	8.12	105.7
04.21.2021	08:02:55	S	3357.75	W	1033.31	13.8	4.8	2.9	51.0	66.0	0.0	-0.2	322.1	8.15	105.5
04.21.2021	08:03:55	S	3357.76	W	1033.07	9.7	4.8	1.9	51.6	66.8	-0.0	-0.3	322.5	8.15	105.5
04.21.2021	08:04:55	S	3357.77	W	1032.82	11.0	4.8	2.2	51.2	66.2	-0.1	-0.3	321.0	8.13	105.5
04.21.2021	08:05:55	S	3357.78	W	1032.59	11.3	4.7	2.4	50.5	66.1	-0.0	-0.3	323.2	8.13	105.5
04.21.2021	08:06:55	S	3357.8	W	1032.35	14.0	4.8	2.9	49.5	67.0	-0.1	-0.4	321.9	8.15	105.5
04.21.2021	08:07:55	S	3357.8	W	1032.09	10.0	4.7	2.1	51.3	66.8	0.1	-0.2	322.2	8.13	105.5
04.21.2021	08:08:55	S	3357.81	W	1031.87	12.4	4.8	2.6	50.0	66.0	-0.1	-0.3	320.7	8.15	105.5
04.21.2021	08:09:55	S	3357.82	W	1031.63	10.6	4.8	2.1	50.9	66.2	-0.0	-0.3	322.4	8.15	105.5
04.21.2021	08:10:49	S	3357.83	W	1031.37	13.7	4.8	2.8	51.8	66.6	-0.0	-0.3	316.3	8.15	105.5
04.21.2021	08:11:49	S	3357.84	W	1031.11	11.6	4.8	2.4	49.3	65.7	0.0	-0.2	318.1	8.13	105.5
04.21.2021	08:12:49	S	3357.86	W	1030.9	13.2	4.7	2.7	50.4	66.3	-0.1	-0.4	314.7	8.15	105.5
04.21.2021	08:13:49	S	3357.87	W	1030.66	14.2	4.7	2.9	50.9	65.8	-0.0	-0.3	317.1	8.15	105.5

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	08:14:49	S	3357.88	W	1030.43	12.1	4.8	2.5	51.5	65.5	0.0	-0.2	312.2	8.15	105.5
04.21.2021	08:15:49	S	3357.88	W	1030.16	10.8	4.8	2.2	50.0	58.5	-0.1	-0.3	319.9	8.15	105.5
04.21.2021	08:16:49	S	3357.89	W	1029.95	12.0	4.7	2.5	50.9	59.0	-0.1	-0.3	312.9	8.13	105.5
04.21.2021	08:17:49	S	3357.9	W	1029.69	10.5	4.8	2.1	51.4	59.4	-0.0	-0.3	318.7	8.14	106.4
04.21.2021	08:18:49	S	3357.91	W	1029.46	9.4	4.7	1.9	51.1	59.8	-0.0	-0.3	322.6	8.14	106.4
04.21.2021	08:19:49	S	3357.92	W	1029.2	10.2	4.7	2.1	50.0	59.3	-0.1	-0.3	322.9	8.14	106.4
04.21.2021	08:20:48	S	3357.93	W	1028.96	10.9	4.7	2.3	49.1	59.0	0.0	-0.2	322.8	8.14	106.4
04.21.2021	08:21:48	S	3357.94	W	1028.72	10.5	4.7	2.2	52.6	59.3	-0.1	-0.3	321.4	8.14	106.4
04.21.2021	08:22:48	S	3357.95	W	1028.46	11.4	4.8	2.3	49.0	58.9	-0.1	-0.3	323.0	8.14	106.4
04.21.2021	08:23:48	S	3357.96	W	1028.23	10.0	4.7	2.1	51.5	59.2	-0.2	-0.2	321.9	8.14	106.4
04.21.2021	08:24:48	S	3357.97	W	1028.02	10.2	4.7	2.1	50.1	56.4	-0.0	-0.3	322.5	8.14	106.4
04.21.2021	08:25:48	S	3357.98	W	1027.76	9.2	4.7	1.9	48.4	54.9	-0.0	-0.3	321.3	8.18	106.4
04.21.2021	08:26:48	S	3358	W	1027.54	10.7	4.8	2.1	47.8	54.7	-0.1	-0.4	319.5	8.14	106.4
04.21.2021	08:27:48	S	3358.01	W	1027.31	9.1	4.7	1.9	49.4	55.9	-0.0	-0.2	319.5	8.14	106.4
04.21.2021	08:28:48	S	3358.02	W	1027.05	7.0	4.8	1.4	51.4	54.9	-0.1	-0.2	317.0	8.18	106.4
04.21.2021	08:29:48	S	3358.03	W	1026.81	8.6	4.8	1.7	52.6	55.2	-0.1	-0.4	316.3	8.14	106.4
04.21.2021	08:30:53	S	3358.04	W	1026.56	9.2	4.7	1.9	53.2	54.5	0.0	-0.2	315.3	8.14	106.4
04.21.2021	08:31:53	S	3358.05	W	1026.35	8.0	4.7	1.7	50.4	54.3	-0.0	-0.2	315.4	8.18	106.4
04.21.2021	08:32:53	S	3358.06	W	1026.12	10.7	4.7	2.2	51.1	57.9	0.0	-0.2	317.3	8.14	106.4
04.21.2021	08:33:53	S	3358.07	W	1025.87	10.0	4.7	2.1	51.3	57.4	-0.1	-0.3	320.9	8.15	107.2
04.21.2021	08:34:53	S	3358.09	W	1025.65	11.4	4.7	2.4	50.9	59.4	0.1	-0.2	321.6	8.17	107.2
04.21.2021	08:35:53	S	3358.1	W	1025.36	9.9	4.7	2.1	51.2	58.7	-0.2	-0.4	322.5	8.14	106.4
04.21.2021	08:36:53	S	3358.11	W	1025.13	11.5	4.7	2.4	50.8	58.9	-0.0	-0.3	321.8	8.17	106.6
04.21.2021	08:37:53	S	3358.11	W	1024.93	9.8	4.7	2.1	50.1	58.8	0.0	-0.2	321.7	8.14	106.9
04.21.2021	08:38:53	S	3358.12	W	1024.67	12.2	4.8	2.5	49.9	55.8	-0.1	-0.3	322.9	8.17	106.6
04.21.2021	08:39:53	S	3358.14	W	1024.41	12.3	4.7	2.6	49.0	55.5	-0.1	-0.3	321.7	8.13	106.6
04.21.2021	08:40:53	S	3358.15	W	1024.18	10.7	4.7	2.2	49.9	55.5	-0.0	-0.2	319.1	8.16	106.7
04.21.2021	08:41:53	S	3358.16	W	1023.94	11.5	4.7	2.4	51.4	55.8	0.0	-0.2	319.9	8.14	106.4
04.21.2021	08:42:53	S	3358.17	W	1023.72	12.1	4.7	2.5	49.9	55.6	-0.1	-0.3	318.5	8.16	106.7
04.21.2021	08:43:53	S	3358.18	W	1023.47	11.3	4.7	2.4	52.0	55.7	-0.1	-0.3	317.9	8.14	106.4
04.21.2021	08:44:53	S	3358.19	W	1023.25	12.8	4.7	2.7	50.3	54.4	-0.1	-0.4	315.3	8.14	106.4
04.21.2021	08:45:53	S	3358.2	W	1022.97	13.2	4.7	2.7	51.7	55.2	0.0	-0.2	315.0	8.17	106.4
04.21.2021	08:46:53	S	3358.2	W	1022.76	11.5	4.8	2.4	51.5	54.4	-0.0	-0.2	313.9	8.16	106.9
04.21.2021	08:47:53	S	3358.21	W	1022.53	12.5	4.8	2.6	51.9	54.7	-0.1	-0.3	316.2	8.17	107.2
04.21.2021	08:48:53	S	3358.22	W	1022.29	14.4	4.7	3.0	52.6	54.2	0.0	-0.2	316.6	8.17	107.2
04.21.2021	08:49:53	S	3358.24	W	1022.06	13.5	4.7	2.8	50.4	60.5	0.0	-0.2	318.4	8.17	107.2
04.21.2021	08:50:52	S	3358.25	W	1021.87	12.0	4.7	2.5	50.9	61.3	0.1	-0.2	321.7	8.14	107.4
04.21.2021	08:51:52	S	3358.25	W	1021.87	13.1	4.8	2.7	50.8	60.9	-0.1	-0.4	320.5	8.17	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	08:52:52	S	3358.27	W	1021.32	14.5	4.8	3.0	51.2	61.6	0.0	-0.2	321.9	8.17	107.2
04.21.2021	08:53:52	S	3358.28	W	1021.05	12.5	4.8	2.6	53.2	61.5	0.0	-0.3	320.9	8.15	106.9
04.21.2021	08:54:52	S	3358.29	W	1020.83	14.0	4.8	2.9	52.2	61.2	-0.0	-0.3	321.3	8.13	106.6
04.21.2021	08:55:52	S	3358.3	W	1020.61	13.1	4.7	2.7	48.1	60.8	-0.1	-0.3	322.4	8.17	106.4
04.21.2021	08:56:52	S	3358.32	W	1020.38	13.6	4.7	2.8	49.3	61.1	-0.0	-0.2	322.3	8.15	106.7
04.21.2021	08:57:52	S	3358.33	W	1020.13	14.2	4.8	2.9	50.6	61.0	-0.1	-0.4	321.1	8.18	106.9
04.21.2021	08:58:52	S	3358.35	W	1019.9	14.8	4.8	3.1	49.9	60.9	-0.1	-0.3	320.9	8.13	106.7
04.21.2021	08:59:52	S	3358.36	W	1019.62	14.5	4.8	3.0	50.0	61.3	-0.1	-0.3	317.8	8.17	106.9
04.21.2021	09:00:56	S	3358.38	W	1019.43	15.3	4.8	3.2	51.2	62.1	-0.1	-0.3	320.1	8.16	106.9
04.21.2021	09:01:56	S	3358.39	W	1019.18	13.5	4.8	2.8	50.0	61.6	0.0	-0.2	316.1	8.12	106.9
04.21.2021	09:02:56	S	3358.4	W	1018.93	14.0	4.7	2.9	51.6	62.0	0.0	-0.2	315.6	8.18	106.7
04.21.2021	09:03:56	S	3358.42	W	1018.69	14.6	4.8	3.0	51.0	61.7	0.0	-0.3	312.8	8.13	106.6
04.21.2021	09:04:56	S	3358.43	W	1018.44	14.1	4.8	2.9	50.9	62.4	0.0	-0.3	316.3	8.18	106.7
04.21.2021	09:05:56	S	3358.44	W	1018.23	12.5	4.7	2.6	50.0	53.9	-0.1	-0.3	318.6	8.16	106.9
04.21.2021	09:06:56	S	3358.44	W	1017.99	14.7	4.7	3.0	51.0	56.1	-0.1	-0.3	319.5	8.17	107.2
04.21.2021	09:07:56	S	3358.44	W	1017.73	15.1	4.8	3.1	49.8	55.5	0.0	-0.3	322.9	8.15	107.2
04.21.2021	09:08:56	S	3358.45	W	1017.48	13.6	4.7	2.8	50.0	56.6	0.0	-0.3	321.9	8.14	106.7
04.21.2021	09:09:56	S	3358.46	W	1017.27	13.5	4.7	2.8	51.4	55.9	0.1	-0.2	321.3	8.15	106.9
04.21.2021	09:10:55	S	3358.47	W	1017.02	14.0	4.7	2.9	49.4	56.0	-0.0	-0.2	322.5	8.17	107.2
04.21.2021	09:11:55	S	3358.48	W	1016.77	14.6	4.7	3.0	50.3	54.8	-0.1	-0.3	322.3	8.17	107.2
04.21.2021	09:12:55	S	3358.49	W	1016.53	15.7	4.8	3.2	50.4	55.1	-0.1	-0.4	321.4	8.13	107.2
04.21.2021	09:13:55	S	3358.5	W	1016.29	13.1	4.7	2.7	50.2	54.1	-0.1	-0.3	321.7	8.17	107.2
04.21.2021	09:14:55	S	3358.51	W	1016.04	13.8	4.7	2.9	48.8	54.6	-0.2	-0.4	319.5	8.16	106.7
04.21.2021	09:15:55	S	3358.52	W	1015.84	14.1	4.7	2.9	50.1	54.8	-0.0	-0.3	319.6	8.18	107.4
04.21.2021	09:16:55	S	3358.53	W	1015.6	14.5	4.7	3.0	50.3	55.9	-0.0	-0.3	319.9	8.17	107.2
04.21.2021	09:17:55	S	3358.53	W	1015.34	13.6	4.7	2.8	53.1	54.4	0.0	-0.2	315.7	8.17	106.9
04.21.2021	09:18:55	S	3358.53	W	1015.1	15.4	4.8	3.2	52.4	54.1	-0.1	-0.3	314.5	8.17	106.9
04.21.2021	09:19:55	S	3358.53	W	1014.85	14.9	4.8	3.1	51.0	55.0	-0.1	-0.3	316.6	8.17	107.2
04.21.2021	09:20:50	S	3358.53	W	1014.64	13.8	4.7	2.9	51.5	53.8	-0.1	-0.3	317.4	8.17	107.2
04.21.2021	09:21:50	S	3358.54	W	1014.39	15.2	4.7	3.2	49.3	53.9	0.0	-0.2	316.1	8.17	107.2
04.21.2021	09:22:50	S	3358.54	W	1014.14	13.2	4.7	2.7	51.0	54.2	-0.1	-0.3	321.2	8.17	107.2
04.21.2021	09:23:50	S	3358.55	W	1013.91	12.4	4.7	2.6	51.1	54.4	-0.0	-0.2	321.8	8.17	107.2
04.21.2021	09:24:50	S	3358.55	W	1013.65	12.0	4.8	2.5	49.2	55.1	-0.0	-0.2	321.9	8.17	107.2
04.21.2021	09:25:50	S	3358.55	W	1013.44	12.4	4.8	2.5	50.3	56.1	-0.0	-0.3	321.2	8.13	106.7
04.21.2021	09:26:50	S	3358.55	W	1013.19	14.0	4.7	2.9	50.4	54.6	-0.1	-0.3	322.3	8.16	106.9
04.21.2021	09:27:50	S	3358.55	W	1012.94	13.2	4.8	2.7	51.8	55.0	-0.0	-0.3	321.2	8.13	106.7
04.21.2021	09:28:50	S	3358.55	W	1012.72	14.0	4.8	2.9	49.8	55.0	-0.0	-0.2	321.1	8.16	106.7
04.21.2021	09:29:50	S	3358.55	W	1012.47	13.9	4.8	2.9	48.0	55.1	-0.1	-0.3	319.9	8.16	106.7

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	09:30:54	S	3358.55	W	1012.22	14.0	4.7	2.9	49.5	55.2	0.0	-0.2	319.5	8.13	106.7
04.21.2021	09:31:54	S	3358.55	W	1012	14.2	4.7	2.9	51.1	55.9	-0.1	-0.3	317.2	8.12	106.9
04.21.2021	09:32:54	S	3358.55	W	1011.74	16.0	4.8	3.3	53.1	55.5	-0.1	-0.4	316.0	8.13	106.9
04.21.2021	09:33:54	S	3358.55	W	1011.52	12.5	4.7	2.6	50.6	54.1	0.0	-0.2	314.1	8.15	107.2
04.21.2021	09:34:54	S	3358.56	W	1011.26	13.0	4.7	2.7	49.5	58.2	-0.1	-0.4	314.5	8.17	107.2
04.21.2021	09:35:54	S	3358.56	W	1011.02	15.4	4.7	3.3	49.3	56.2	-0.1	-0.3	313.2	8.17	107.2
04.21.2021	09:36:54	S	3358.56	W	1010.76	13.7	4.7	2.8	49.8	56.4	0.0	-0.2	312.6	8.17	107.2
04.21.2021	09:37:54	S	3358.56	W	1010.53	13.5	4.8	2.8	49.0	62.3	-0.1	-0.3	319.9	8.17	107.2
04.21.2021	09:38:54	S	3358.55	W	1010.28	12.0	4.8	2.5	52.3	62.6	-0.1	-0.3	319.5	8.17	107.2
04.21.2021	09:39:54	S	3358.55	W	1010.02	12.6	4.8	2.6	54.0	61.3	0.0	-0.2	321.9	8.15	107.2
04.21.2021	09:40:52	S	3358.55	W	1009.8	15.4	4.7	3.2	52.3	62.4	0.0	-0.2	322.0	8.17	107.2
04.21.2021	09:41:52	S	3358.55	W	1009.56	12.8	4.7	2.7	52.4	61.9	-0.1	-0.3	321.8	8.17	107.2
04.21.2021	09:42:52	S	3358.55	W	1009.33	14.4	4.7	3.0	50.3	62.9	-0.1	-0.3	322.1	8.17	107.2
04.21.2021	09:43:52	S	3358.54	W	1009.06	12.7	4.7	2.6	52.8	62.0	0.1	-0.2	321.7	8.17	107.2
04.21.2021	09:44:52	S	3358.54	W	1008.82	13.7	4.7	2.8	51.1	61.8	0.1	-0.2	320.0	8.17	107.2
04.21.2021	09:45:52	S	3358.54	W	1008.58	14.0	4.7	2.9	49.4	62.4	0.0	-0.2	322.0	8.17	107.2
04.21.2021	09:46:52	S	3358.53	W	1008.36	13.5	4.7	2.8	50.1	62.2	-0.1	-0.4	314.7	8.15	107.2
04.21.2021	09:47:52	S	3358.53	W	1008.09	13.1	4.7	2.7	52.4	62.0	-0.0	-0.3	321.5	8.17	107.2
04.21.2021	09:48:52	S	3358.53	W	1007.87	13.3	4.8	2.8	50.0	61.3	-0.0	-0.3	316.0	8.15	107.2
04.21.2021	09:49:52	S	3358.53	W	1007.6	13.7	4.7	2.8	49.9	61.8	0.1	-0.2	318.4	8.12	106.9
04.21.2021	09:50:52	S	3358.53	W	1007.37	14.0	4.7	2.9	51.1	61.1	-0.1	-0.4	313.7	8.12	106.9
04.21.2021	09:51:52	S	3358.54	W	1007.14	12.5	4.7	2.6	51.1	61.4	-0.1	-0.3	317.2	8.17	107.2
04.21.2021	09:52:52	S	3358.55	W	1006.88	10.8	4.7	2.3	51.9	61.0	-0.0	-0.3	318.1	8.17	107.2
04.21.2021	09:53:52	S	3358.56	W	1006.65	12.7	4.7	2.6	49.7	55.6	-0.0	-0.3	318.2	8.15	107.2
04.21.2021	09:54:52	S	3358.57	W	1006.37	12.8	4.7	2.7	49.3	58.6	-0.1	-0.4	321.5	8.17	107.2
04.21.2021	09:55:52	S	3358.58	W	1006.16	12.4	4.7	2.6	53.6	59.2	-0.2	-0.4	321.3	8.17	107.2
04.21.2021	09:56:52	S	3358.58	W	1005.92	11.9	4.8	2.4	50.0	60.0	-0.0	-0.3	321.1	8.17	107.2
04.21.2021	09:57:52	S	3358.59	W	1005.65	12.8	4.7	2.7	50.4	58.5	-0.1	-0.3	321.5	8.17	107.2
04.21.2021	09:58:52	S	3358.6	W	1005.42	14.1	4.7	2.9	52.1	59.6	-0.0	-0.2	321.6	8.17	107.2
04.21.2021	09:59:52	S	3358.61	W	1005.19	13.7	4.7	2.8	49.7	58.6	0.0	-0.2	321.6	8.17	107.2
04.21.2021	10:00:48	S	3358.61	W	1004.93	14.7	4.7	3.0	49.6	59.0	-0.0	-0.3	321.2	8.16	107.2
04.21.2021	10:01:48	S	3358.62	W	1004.69	12.6	4.7	2.6	47.9	58.4	-0.1	-0.4	319.1	8.13	107.2
04.21.2021	10:02:48	S	3358.63	W	1004.46	15.0	4.7	3.1	50.1	58.4	0.0	-0.2	320.1	8.14	107.4
04.21.2021	10:03:48	S	3358.63	W	1004.22	13.6	4.7	2.8	50.9	58.2	0.0	-0.2	320.2	8.17	107.2
04.21.2021	10:04:48	S	3358.63	W	1003.96	15.0	4.8	3.1	51.5	58.8	0.0	-0.2	319.2	8.15	107.2
04.21.2021	10:05:48	S	3358.64	W	1003.73	14.4	4.7	3.0	50.0	58.5	0.0	-0.2	316.4	8.17	107.2
04.21.2021	10:06:48	S	3358.65	W	1003.47	11.9	4.7	2.5	50.0	58.3	0.0	-0.2	315.3	8.17	107.2
04.21.2021	10:07:48	S	3358.66	W	1003.28	10.3	4.7	2.2	52.3	59.0	0.1	-0.2	317.7	8.17	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	10:08:48	S	3358.67	W	1003.02	14.5	4.7	3.0	51.4	58.2	0.1	-0.2	315.7	8.17	107.2
04.21.2021	10:09:48	S	3358.67	W	1002.78	14.0	4.7	2.9	49.1	58.1	-0.0	-0.2	318.3	8.15	107.2
04.21.2021	10:10:49	S	3358.68	W	1002.56	14.2	4.7	2.9	51.4	57.8	-0.0	-0.2	320.6	8.15	107.2
04.21.2021	10:11:49	S	3358.69	W	1002.31	15.1	4.7	3.2	49.7	59.4	-0.1	-0.3	322.7	8.17	107.2
04.21.2021	10:12:49	S	3358.7	W	1002.06	14.0	4.7	2.9	51.2	59.3	0.0	-0.2	323.5	8.17	107.2
04.21.2021	10:13:49	S	3358.7	W	1001.84	12.6	4.7	2.6	49.2	59.0	0.0	-0.2	322.0	8.15	107.2
04.21.2021	10:14:49	S	3358.71	W	1001.6	14.3	4.8	3.0	51.0	59.0	-0.1	-0.3	322.9	8.17	107.2
04.21.2021	10:15:49	S	3358.71	W	1001.35	12.9	4.8	2.7	50.9	59.1	-0.0	-0.3	319.8	8.17	107.2
04.21.2021	10:16:49	S	3358.72	W	1001.09	14.8	4.7	3.1	52.8	59.6	-0.0	-0.3	320.9	8.17	107.2
04.21.2021	10:17:49	S	3358.73	W	1000.88	15.3	4.7	3.2	50.2	58.9	-0.1	-0.3	318.0	8.15	107.2
04.21.2021	10:18:49	S	3358.74	W	1000.63	13.9	4.7	2.9	49.5	58.7	-0.1	-0.3	318.9	8.15	107.2
04.21.2021	10:19:49	S	3358.75	W	1000.4	14.5	4.7	3.0	49.8	60.1	-0.0	-0.3	317.5	8.17	107.2
04.21.2021	10:20:51	S	3358.75	W	1000.13	14.8	4.7	3.1	49.6	59.4	-0.1	-0.3	316.2	8.14	107.4
04.21.2021	10:21:51	S	3358.76	W	959.92	13.0	4.7	2.7	49.0	59.6	-0.0	-0.2	315.4	8.15	107.2
04.21.2021	10:22:51	S	3358.76	W	959.65	13.1	4.8	2.7	51.1	58.9	-0.1	-0.3	316.1	8.17	107.2
04.21.2021	10:23:51	S	3358.77	W	959.45	13.6	4.8	2.8	51.0	55.0	-0.1	-0.3	314.8	8.17	107.2
04.21.2021	10:24:51	S	3358.78	W	959.22	14.2	4.7	2.9	49.7	54.9	0.0	-0.3	313.7	8.17	107.2
04.21.2021	10:25:51	S	3358.79	W	958.96	13.8	4.7	2.9	50.0	54.7	-0.1	-0.2	318.4	8.17	107.2
04.21.2021	10:26:51	S	3358.81	W	958.73	13.9	4.7	2.9	49.4	54.8	-0.1	-0.3	319.9	8.15	107.2
04.21.2021	10:27:51	S	3358.81	W	958.5	13.5	4.7	2.8	50.3	55.1	-0.0	-0.3	322.5	8.15	107.2
04.21.2021	10:28:51	S	3358.82	W	958.26	12.6	4.7	2.6	52.4	62.0	0.0	-0.2	321.2	8.17	107.2
04.21.2021	10:29:51	S	3358.83	W	958.02	12.8	4.7	2.7	51.6	61.9	-0.0	-0.2	322.8	8.17	107.2
04.21.2021	10:30:51	S	3358.83	W	957.81	14.3	4.7	3.0	50.0	61.4	0.0	-0.2	322.3	8.17	107.2
04.21.2021	10:31:51	S	3358.84	W	957.56	12.4	4.7	2.6	50.2	64.1	-0.1	-0.3	320.9	8.17	107.2
04.21.2021	10:32:51	S	3358.85	W	957.33	13.9	4.7	2.9	53.2	63.8	-0.1	-0.3	322.5	8.17	107.2
04.21.2021	10:33:51	S	3358.86	W	957.09	15.9	4.8	3.3	52.6	64.0	-0.1	-0.3	319.5	8.17	107.2
04.21.2021	10:34:51	S	3358.87	W	956.82	13.5	4.7	2.8	51.9	63.4	-0.0	-0.3	322.1	8.17	107.2
04.21.2021	10:35:51	S	3358.89	W	956.59	13.8	4.7	2.9	50.9	64.5	-0.1	-0.3	317.7	8.17	107.2
04.21.2021	10:36:51	S	3358.91	W	956.37	14.4	4.7	3.0	49.0	61.6	-0.0	-0.3	317.8	8.13	107.2
04.21.2021	10:37:51	S	3358.92	W	956.11	14.0	4.7	2.9	48.7	61.7	-0.0	-0.3	315.7	8.17	107.2
04.21.2021	10:38:51	S	3358.93	W	955.87	15.3	4.8	3.2	51.3	64.4	-0.1	-0.3	316.1	8.17	107.2
04.21.2021	10:39:51	S	3358.94	W	955.66	14.3	4.7	3.0	51.7	62.1	-0.1	-0.3	316.1	8.13	107.2
04.21.2021	10:40:48	S	3358.96	W	955.39	13.4	4.7	2.8	50.2	62.5	-0.1	-0.4	316.4	8.17	107.2
04.21.2021	10:41:48	S	3358.97	W	955.19	12.0	4.7	2.5	50.8	60.9	-0.1	-0.4	319.1	8.17	107.2
04.21.2021	10:42:48	S	3358.99	W	954.94	13.2	4.7	2.7	48.2	61.3	0.0	-0.2	320.9	8.13	107.2
04.21.2021	10:43:48	S	3359	W	954.69	13.0	4.7	2.7	49.7	63.1	-0.1	-0.4	321.3	8.13	107.2
04.21.2021	10:44:48	S	3359.02	W	954.46	14.8	4.7	3.1	48.1	55.3	-0.1	-0.3	321.8	8.13	107.2
04.21.2021	10:45:48	S	3359.03	W	954.22	15.1	4.7	3.1	51.5	55.6	-0.1	-0.4	321.5	8.16	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	10:46:48	S	3359.05	W	953.99	15.5	4.7	3.3	50.5	54.2	-0.1	-0.3	321.9	8.13	107.2
04.21.2021	10:47:48	S	3359.07	W	953.76	15.0	4.7	3.1	51.0	55.2	-0.1	-0.4	320.9	8.13	107.2
04.21.2021	10:48:48	S	3359.09	W	953.49	14.9	4.7	3.1	50.3	54.9	0.0	-0.2	322.0	8.17	107.2
04.21.2021	10:49:48	S	3359.1	W	953.27	14.1	4.7	2.9	49.8	54.9	0.1	-0.2	320.3	8.17	107.2
04.21.2021	10:50:53	S	3359.12	W	953.03	14.0	4.7	2.9	48.5	55.0	-0.1	-0.3	320.7	8.13	107.2
04.21.2021	10:51:53	S	3359.13	W	952.77	15.1	4.7	3.1	50.0	56.3	-0.0	-0.3	319.6	8.15	107.2
04.21.2021	10:52:53	S	3359.15	W	952.58	14.8	4.7	3.1	51.6	54.7	0.1	-0.2	317.1	8.17	107.2
04.21.2021	10:53:53	S	3359.17	W	952.33	15.6	4.7	3.3	52.8	54.6	-0.1	-0.3	316.1	8.17	107.2
04.21.2021	10:54:53	S	3359.19	W	952.08	15.9	4.7	3.4	51.2	53.7	-0.1	-0.3	316.3	8.17	107.2
04.21.2021	10:55:53	S	3359.22	W	951.84	13.3	4.7	2.8	48.9	54.0	-0.1	-0.3	313.6	8.13	107.2
04.21.2021	10:56:53	S	3359.23	W	951.62	14.0	4.7	2.9	54.3	54.4	-0.0	-0.2	318.1	8.13	107.2
04.21.2021	10:57:53	S	3359.25	W	951.4	13.5	4.7	2.8	52.4	53.5	0.1	-0.2	318.8	8.13	107.2
04.21.2021	10:58:53	S	3359.28	W	951.16	14.2	4.7	2.9	52.1	54.2	-0.1	-0.3	321.5	8.17	107.2
04.21.2021	10:59:53	S	3359.3	W	950.89	13.8	4.7	2.9	51.3	53.3	-0.1	-0.4	322.7	8.17	107.2
04.21.2021	11:00:55	S	3359.32	W	950.66	15.0	4.7	3.1	51.0	53.9	-0.1	-0.3	322.5	8.17	107.2
04.21.2021	11:01:55	S	3359.33	W	950.46	14.0	4.7	2.9	52.9	55.0	-0.0	-0.3	322.2	8.15	107.2
04.21.2021	11:02:55	S	3359.35	W	950.19	14.6	4.7	3.0	50.8	54.2	-0.1	-0.3	321.4	8.17	107.2
04.21.2021	11:03:55	S	3359.37	W	949.97	13.7	4.7	2.8	53.4	55.6	-0.1	-0.3	320.0	8.17	107.2
04.21.2021	11:04:55	S	3359.39	W	949.71	12.8	4.7	2.7	49.5	54.9	-0.1	-0.4	321.6	8.17	107.2
04.21.2021	11:05:55	S	3359.41	W	949.48	11.3	4.7	2.4	52.3	54.8	0.0	-0.2	319.6	8.17	107.2
04.21.2021	11:06:55	S	3359.43	W	949.27	12.3	4.7	2.6	52.8	55.0	0.0	-0.2	319.8	8.13	107.2
04.21.2021	11:07:55	S	3359.45	W	949.02	9.1	4.7	1.9	50.7	54.3	-0.0	-0.3	317.1	8.15	107.2
04.21.2021	11:08:55	S	3359.47	W	948.79	8.6	4.7	1.8	49.1	54.5	-0.1	-0.4	316.7	8.13	107.2
04.21.2021	11:09:55	S	3359.49	W	948.52	10.8	4.7	2.3	49.5	54.7	-0.1	-0.3	314.4	8.17	107.2
04.21.2021	11:10:49	S	3359.51	W	948.31	9.7	4.7	2.0	49.2	54.9	-0.1	-0.2	315.2	8.15	107.2
04.21.2021	11:11:49	S	3359.52	W	948.05	8.4	4.7	1.8	46.7	54.3	-0.1	-0.3	316.0	8.15	107.2
04.21.2021	11:12:49	S	3359.53	W	947.81	6.9	4.7	1.4	48.7	53.7	-0.1	-0.2	314.3	8.17	107.2
04.21.2021	11:13:49	S	3359.54	W	947.58	10.1	4.8	2.1	51.3	53.9	-0.0	-0.3	318.4	8.17	107.2
04.21.2021	11:14:49	S	3359.54	W	947.37	9.5	4.8	1.9	51.1	54.5	-0.1	-0.4	319.6	8.17	107.2
04.21.2021	11:15:49	S	3359.56	W	947.11	9.7	4.7	2.0	50.4	54.1	-0.1	-0.3	320.9	8.17	107.2
04.21.2021	11:16:49	S	3359.57	W	946.9	12.0	4.7	2.5	49.6	54.4	-0.0	-0.3	322.0	8.17	107.2
04.21.2021	11:17:49	S	3359.58	W	946.64	10.5	4.7	2.2	49.9	55.3	-0.1	-0.3	321.8	8.17	107.2
04.21.2021	11:18:49	S	3359.59	W	946.42	8.9	4.7	1.9	51.6	61.7	0.0	-0.2	322.0	8.17	107.2
04.21.2021	11:19:49	S	3359.6	W	946.16	11.3	4.7	2.4	51.6	60.6	-0.1	-0.3	322.0	8.17	107.2
04.21.2021	11:20:57	S	3359.61	W	945.94	9.0	4.7	1.9	50.2	60.6	0.0	-0.2	320.2	8.17	107.2
04.21.2021	11:21:57	S	3359.62	W	945.71	10.4	4.7	2.2	49.7	61.5	-0.1	-0.3	322.2	8.13	107.2
04.21.2021	11:22:57	S	3359.63	W	945.47	7.6	4.7	1.6	50.8	60.9	-0.1	-0.3	318.0	8.16	107.2
04.21.2021	11:23:57	S	3359.63	W	945.24	6.4	4.7	1.3	50.3	60.7	-0.0	-0.3	317.2	8.17	106.9

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	11:24:57	S	3359.65	W	944.99	7.9	4.7	1.7	49.6	64.0	-0.0	-0.3	312.8	8.14	106.7	
04.21.2021	11:25:57	S	3359.65	W	944.75	7.7	4.7	1.6	50.0	63.1	-0.1	-0.3	317.3	8.18	106.7	
04.21.2021	11:26:57	S	3359.66	W	944.5	7.1	4.7	1.5	51.4	64.2	-0.1	-0.3	313.9	8.18	106.7	
04.21.2021	11:27:57	S	3359.67	W	944.27	6.8	4.7	1.4	49.7	63.0	0.0	-0.2	316.9	8.18	106.7	
04.21.2021	11:28:57	S	3359.67	W	944.05	6.6	4.8	1.3	51.3	60.7	0.0	-0.2	315.1	8.17	107.2	
04.21.2021	11:29:57	S	3359.68	W	943.77	8.0	4.8	1.6	50.2	62.8	-0.1	-0.3	319.7	8.13	107.2	
04.21.2021	11:30:52	S	3359.69	W	943.57	6.4	4.7	1.3	50.1	61.3	0.0	-0.2	322.2	8.17	107.2	
04.21.2021	11:31:52	S	3359.7	W	943.32	8.7	4.7	1.8	51.4	61.8	-0.1	-0.3	322.2	8.13	107.2	
04.21.2021	11:32:52	S	3359.71	W	943.1	6.3	4.8	1.3	50.2	63.2	-0.1	-0.3	322.1	8.15	107.2	
04.21.2021	11:33:52	S	3359.71	W	942.83	6.7	4.8	1.3	51.0	62.1	0.0	-0.2	322.0	8.13	107.4	
04.21.2021	11:34:52	S	3359.72	W	942.57	9.6	4.7	2.0	50.6	55.6	-0.0	-0.2	321.2	8.16	107.4	
04.21.2021	11:35:52	S	3359.73	W	942.35	8.2	4.7	1.7	49.8	56.2	0.0	-0.3	321.8	8.17	106.9	
04.21.2021	11:36:52	S	3359.74	W	942.11	10.4	4.8	2.1	52.3	55.8	0.1	-0.2	322.5	8.13	107.2	
04.21.2021	11:37:52	S	3359.75	W	941.9	9.0	4.7	1.9	50.8	55.5	0.0	-0.2	319.8	8.16	107.2	
04.21.2021	11:38:52	S	3359.75	W	941.64	9.8	4.7	2.1	51.5	59.0	-0.1	-0.3	319.7	8.16	106.7	
04.21.2021	11:39:52	S	3359.76	W	941.4	10.6	4.7	2.2	52.1	58.4	-0.0	-0.2	318.5	8.13	107.2	
04.21.2021	11:40:49	S	3359.76	W	941.16	11.2	4.8	2.3	49.3	58.5	-0.0	-0.2	319.2	8.13	107.2	
04.21.2021	11:41:49	S	3359.77	W	940.91	12.0	4.7	2.5	50.0	57.9	-0.0	-0.3	315.3	8.14	106.7	
04.21.2021	11:42:49	S	3359.78	W	940.68	9.6	4.7	2.0	50.7	58.9	-0.0	-0.3	316.0	8.13	107.2	
04.21.2021	11:43:49	S	3359.77	W	940.43	10.8	4.7	2.3	49.5	57.9	-0.0	-0.3	313.4	8.18	107.2	
04.21.2021	11:44:49	S	3359.78	W	940.2	10.9	4.7	2.3	51.0	57.8	-0.0	-0.3	316.5	8.13	106.4	
04.21.2021	11:45:49	S	3359.78	W	939.94	10.1	4.7	2.1	49.8	59.9	-0.0	-0.3	318.6	8.17	106.4	
04.21.2021	11:46:49	S	3359.78	W	939.72	12.4	4.7	2.6	51.0	59.4	-0.0	-0.3	321.3	8.15	106.4	
04.21.2021	11:47:49	S	3359.78	W	939.51	14.7	4.7	3.0	49.4	60.9	-0.0	-0.3	321.1	8.16	106.6	
04.21.2021	11:48:49	S	3359.78	W	939.25	15.3	4.7	3.2	51.9	58.9	-0.0	-0.3	322.1	8.13	107.4	
04.21.2021	11:49:49	S	3359.79	W	939	13.8	4.8	2.9	49.7	58.0	-0.1	-0.3	321.7	8.18	106.4	
04.21.2021	11:50:49	S	3359.79	W	938.75	13.6	4.7	2.8	50.1	58.1	0.0	-0.2	322.1	8.13	106.4	
04.21.2021	11:51:49	S	3359.79	W	938.54	13.3	4.7	2.8	52.0	58.0	-0.1	-0.4	320.9	8.15	106.4	
04.21.2021	11:52:49	S	3359.8	W	938.3	12.9	4.8	2.7	49.8	57.9	0.1	-0.2	320.7	8.13	106.4	
04.21.2021	11:53:49	S	3359.8	W	938.04	13.9	4.7	2.9	50.6	58.9	-0.0	-0.4	319.2	8.13	106.4	
04.21.2021	11:54:49	S	3359.81	W	937.82	12.1	4.8	2.5	49.8	58.2	-0.1	-0.4	316.5	8.15	106.4	
04.21.2021	11:55:49	S	3359.82	W	937.57	10.6	4.7	2.2	49.4	58.8	-0.1	-0.3	317.3	8.15	106.4	
04.21.2021	11:56:49	S	3359.83	W	937.32	8.4	4.7	1.8	49.9	58.2	-0.1	-0.3	316.0	8.13	106.4	
04.21.2021	11:57:49	S	3359.84	W	937.08	9.8	4.7	2.1	51.2	57.8	0.0	-0.2	315.5	8.13	106.4	
04.21.2021	11:58:49	S	3359.84	W	936.83	10.6	4.8	2.1	54.0	58.8	0.0	-0.3	313.7	8.15	106.4	
04.21.2021	11:59:49	S	3359.84	W	936.62	10.4	4.8	2.1	52.5	58.8	-0.1	-0.3	311.9	8.13	106.4	
04.21.2021	12:00:55	S	3359.85	W	936.35	9.4	4.7	2.0	50.4	59.4	-0.1	-0.3	321.5	8.13	106.4	
04.21.2021	12:01:55	S	3359.86	W	936.11	14.5	4.7	3.0	50.2	58.9	0.0	-0.2	319.2	8.13	106.4	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	12:02:55	S	3359.87	W	935.89	10.0	4.7	2.1	53.1	59.9	0.0	-0.2	322.3	8.13	106.4
04.21.2021	12:03:55	S	3359.88	W	935.64	10.4	4.7	2.2	51.8	58.4	-0.0	-0.2	322.4	8.15	106.4
04.21.2021	12:04:55	S	3359.88	W	935.39	11.0	4.7	2.3	52.2	59.6	-0.0	-0.2	322.5	8.13	106.4
04.21.2021	12:05:55	S	3359.88	W	935.14	11.4	4.7	2.4	53.5	64.9	-0.1	-0.3	321.5	8.16	106.2
04.21.2021	12:06:55	S	3359.89	W	934.92	11.5	4.7	2.4	53.1	65.9	-0.1	-0.3	322.8	8.14	106.4
04.21.2021	12:07:55	S	3359.91	W	934.67	10.3	4.7	2.2	50.7	64.6	-0.1	-0.3	321.7	8.13	106.4
04.21.2021	12:08:55	S	3359.92	W	934.45	13.6	4.7	2.8	51.0	65.8	-0.0	-0.3	322.1	8.13	106.4
04.21.2021	12:09:55	S	3359.93	W	934.19	10.6	4.7	2.2	51.1	65.4	0.0	-0.3	318.0	8.13	106.4
04.21.2021	12:10:50	S	3359.94	W	933.95	9.5	4.7	2.0	50.9	65.8	-0.1	-0.3	321.5	8.15	106.4
04.21.2021	12:11:50	S	3359.95	W	933.72	11.5	4.7	2.4	52.6	65.1	-0.0	-0.3	317.8	8.15	106.4
04.21.2021	12:12:50	S	3359.95	W	933.49	11.5	4.7	2.4	52.4	65.2	0.0	-0.2	318.5	8.17	106.4
04.21.2021	12:13:50	S	3359.96	W	933.24	11.2	4.8	2.3	53.0	64.8	-0.1	-0.3	313.9	8.13	106.4
04.21.2021	12:14:50	S	3359.97	W	932.97	11.1	4.7	2.3	50.1	60.3	0.0	-0.3	316.5	8.17	106.4
04.21.2021	12:15:50	S	3359.98	W	932.74	10.8	4.7	2.3	50.3	60.7	-0.1	-0.3	316.9	8.13	106.4
04.21.2021	12:16:50	S	3359.98	W	932.53	12.0	4.7	2.5	50.8	60.1	-0.0	-0.2	319.9	8.13	106.4
04.21.2021	12:17:50	S	3359.99	W	932.28	11.9	4.7	2.5	53.7	61.0	-0.1	-0.3	320.4	8.13	106.4
04.21.2021	12:18:50	S	3400	W	932.06	12.4	4.7	2.6	51.4	60.1	0.0	-0.3	322.3	8.15	106.7
04.21.2021	12:19:50	S	3400	W	931.79	8.0	4.7	1.7	52.8	61.8	-0.1	-0.3	322.4	8.15	106.4
04.21.2021	12:20:56	S	3400.01	W	931.57	11.2	4.7	2.3	49.4	60.5	-0.1	-0.3	321.8	8.14	106.7
04.21.2021	12:21:56	S	3400.02	W	931.3	11.5	4.7	2.4	52.0	55.2	-0.1	-0.3	321.6	8.15	106.7
04.21.2021	12:22:56	S	3400.03	W	931.09	12.4	4.7	2.6	55.3	54.2	-0.1	-0.3	322.0	8.15	106.9
04.21.2021	12:23:56	S	3400.03	W	930.85	10.7	4.7	2.2	52.3	55.6	-0.1	-0.3	321.2	8.15	106.6
04.21.2021	12:24:56	S	3400.05	W	930.61	12.3	4.7	2.6	51.3	56.0	-0.1	-0.3	319.8	8.14	106.9
04.21.2021	12:25:56	S	3400.06	W	930.41	11.7	4.7	2.4	51.8	55.5	-0.1	-0.3	321.6	8.17	106.9
04.21.2021	12:26:56	S	3400.07	W	930.14	12.6	4.7	2.6	53.9	55.8	-0.0	-0.3	320.2	8.17	106.9
04.21.2021	12:27:56	S	3400.08	W	929.89	10.5	4.7	2.2	51.1	56.4	-0.1	-0.4	317.4	8.16	106.9
04.21.2021	12:28:56	S	3400.09	W	929.65	11.5	4.7	2.4	50.1	54.8	0.1	-0.2	317.5	8.17	106.7
04.21.2021	12:29:56	S	3400.1	W	929.41	11.5	4.7	2.4	50.7	53.8	0.1	-0.2	316.3	8.16	106.9
04.21.2021	12:30:48	S	3400.1	W	929.17	11.6	4.7	2.4	54.9	56.1	-0.0	-0.2	315.3	8.17	106.9
04.21.2021	12:31:48	S	3400.11	W	928.96	11.9	4.7	2.5	52.0	53.3	-0.1	-0.3	319.9	8.13	106.6
04.21.2021	12:32:48	S	3400.12	W	928.71	11.6	4.7	2.4	51.5	56.9	-0.1	-0.3	319.4	8.13	106.7
04.21.2021	12:33:48	S	3400.13	W	928.47	12.3	4.7	2.6	51.8	54.2	-0.1	-0.3	320.0	8.17	106.4
04.21.2021	12:34:48	S	3400.13	W	928.28	11.2	4.7	2.3	52.6	54.0	-0.1	-0.3	321.9	8.17	106.4
04.21.2021	12:35:48	S	3400.15	W	928.03	12.5	4.7	2.6	52.5	54.6	-0.0	-0.3	321.7	8.17	107.2
04.21.2021	12:36:48	S	3400.16	W	927.78	12.4	4.7	2.6	50.2	53.7	-0.0	-0.2	322.4	8.17	107.2
04.21.2021	12:37:48	S	3400.17	W	927.53	11.5	4.7	2.4	54.0	55.6	-0.1	-0.3	321.3	8.17	107.2
04.21.2021	12:38:48	S	3400.18	W	927.31	9.0	4.7	1.9	54.3	55.0	-0.0	-0.3	321.4	8.17	107.2
04.21.2021	12:39:48	S	3400.18	W	927.05	11.1	4.7	2.3	50.3	54.0	-0.0	-0.2	322.2	8.17	107.2

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	12:40:49	S	3400.19	W	926.8	11.2	4.7	2.3	48.8	54.4	-0.1	-0.3	319.5	8.16	106.6	
04.21.2021	12:41:49	S	3400.2	W	926.58	10.7	4.7	2.2	52.8	54.2	-0.1	-0.4	316.7	8.14	106.9	
04.21.2021	12:42:49	S	3400.21	W	926.35	8.9	4.7	1.9	50.7	54.1	-0.0	-0.3	319.5	8.13	106.7	
04.21.2021	12:43:49	S	3400.22	W	926.11	11.8	4.7	2.5	53.4	55.8	-0.1	-0.2	316.7	8.14	107.4	
04.21.2021	12:44:49	S	3400.23	W	925.88	10.4	4.7	2.2	54.0	54.9	-0.0	-0.3	315.2	8.13	106.6	
04.21.2021	12:45:49	S	3400.23	W	925.66	11.7	4.7	2.4	53.9	54.0	0.0	-0.2	314.7	8.17	106.4	
04.21.2021	12:46:49	S	3400.25	W	925.43	11.4	4.7	2.4	52.2	53.6	-0.1	-0.3	313.0	8.17	106.4	
04.21.2021	12:47:49	S	3400.26	W	925.18	9.5	4.7	2.0	52.5	54.5	-0.1	-0.3	317.3	8.17	107.2	
04.21.2021	12:48:49	S	3400.27	W	924.96	11.6	4.7	2.4	48.7	53.7	-0.0	-0.2	314.0	8.17	106.4	
04.21.2021	12:49:49	S	3400.27	W	924.7	11.6	4.7	2.4	52.4	56.9	-0.1	-0.3	318.7	8.17	106.4	
04.21.2021	12:50:49	S	3400.29	W	924.45	11.0	4.7	2.3	51.2	55.5	-0.2	-0.3	320.1	8.16	106.9	
04.21.2021	12:51:49	S	3400.29	W	924.23	10.5	4.7	2.2	50.4	55.6	0.0	-0.2	320.0	8.14	106.4	
04.21.2021	12:52:49	S	3400.31	W	924.01	10.1	4.6	2.1	50.5	54.6	-0.1	-0.3	321.6	8.17	106.4	
04.21.2021	12:53:49	S	3400.32	W	923.78	12.1	4.7	2.5	50.2	57.7	0.0	-0.2	322.8	8.15	106.9	
04.21.2021	12:54:49	S	3400.33	W	923.52	11.6	4.7	2.4	51.8	57.3	-0.0	-0.2	321.6	8.17	106.4	
04.21.2021	12:55:49	S	3400.33	W	923.3	10.8	4.7	2.3	54.4	64.1	0.0	-0.3	322.3	8.13	106.9	
04.21.2021	12:56:49	S	3400.34	W	923.06	10.8	4.7	2.3	54.7	62.2	0.1	-0.2	322.1	8.15	107.2	
04.21.2021	12:57:49	S	3400.35	W	922.82	11.7	4.7	2.4	52.9	61.6	-0.0	-0.2	320.9	8.13	106.4	
04.21.2021	12:58:49	S	3400.36	W	922.57	10.7	4.7	2.2	53.3	61.7	-0.0	-0.3	314.7	8.17	106.4	
04.21.2021	12:59:49	S	3400.37	W	922.36	9.0	4.7	1.9	52.6	61.5	-0.1	-0.3	320.4	8.17	106.4	
04.21.2021	13:00:56	S	3400.39	W	922.11	11.7	4.7	2.4	51.0	61.0	-0.1	-0.3	314.3	8.13	106.9	
04.21.2021	13:01:56	S	3400.4	W	921.87	11.0	4.7	2.3	54.9	61.4	0.1	-0.2	316.4	8.13	106.9	
04.21.2021	13:02:56	S	3400.41	W	921.64	12.0	4.7	2.5	52.9	61.3	-0.1	-0.3	312.9	8.13	106.6	
04.21.2021	13:03:56	S	3400.43	W	921.4	12.3	4.7	2.6	51.9	60.7	-0.0	-0.3	318.2	8.17	106.9	
04.21.2021	13:04:56	S	3400.44	W	921.17	9.1	4.7	1.9	54.0	61.2	-0.0	-0.3	318.3	8.12	106.9	
04.21.2021	13:05:56	S	3400.45	W	920.92	10.0	4.7	2.1	50.4	61.4	0.0	-0.2	320.8	8.15	107.2	
04.21.2021	13:06:56	S	3400.46	W	920.7	11.1	4.7	2.3	53.4	61.1	0.1	-0.2	323.4	8.17	107.2	
04.21.2021	13:07:56	S	3400.48	W	920.45	9.6	4.7	2.0	51.9	62.1	0.0	-0.2	322.5	8.15	107.2	
04.21.2021	13:08:56	S	3400.5	W	920.24	10.4	4.7	2.2	52.4	62.2	-0.0	-0.3	321.8	8.15	106.9	
04.21.2021	13:09:56	S	3400.52	W	920.01	10.6	4.7	2.2	51.4	61.2	0.0	-0.3	321.7	8.13	106.9	
04.21.2021	13:10:49	S	3400.54	W	919.81	10.0	4.7	2.1	52.5	61.4	0.0	-0.3	321.3	8.14	106.9	
04.21.2021	13:11:49	S	3400.56	W	919.51	14.2	4.7	2.9	51.7	54.5	-0.0	-0.2	321.9	8.15	107.2	
04.21.2021	13:12:49	S	3400.57	W	919.28	10.8	4.7	2.3	53.1	58.4	0.1	-0.2	321.4	8.17	107.2	
04.21.2021	13:13:49	S	3400.59	W	919.05	9.8	4.7	2.1	53.5	55.9	-0.0	-0.3	321.2	8.16	106.7	
04.21.2021	13:14:49	S	3400.6	W	918.8	13.5	4.7	2.8	52.6	55.8	-0.0	-0.3	319.3	8.14	106.4	
04.21.2021	13:15:49	S	3400.62	W	918.56	11.2	4.7	2.3	54.2	58.3	-0.1	-0.3	317.2	8.13	106.9	
04.21.2021	13:16:49	S	3400.63	W	918.35	10.9	4.7	2.3	53.6	60.1	0.0	-0.2	316.8	8.13	106.9	
04.21.2021	13:17:49	S	3400.65	W	918.1	10.2	4.7	2.1	55.3	60.3	0.0	-0.2	316.1	8.14	106.4	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	13:18:49	S	3400.66	W	917.88	12.6	4.7	2.6	50.3	58.2	-0.0	-0.2	314.3	8.14	106.4	
04.21.2021	13:19:49	S	3400.68	W	917.63	12.2	4.7	2.5	52.5	58.1	0.0	-0.3	314.1	8.16	106.7	
04.21.2021	13:20:50	S	3400.7	W	917.39	13.0	4.7	2.7	53.6	57.4	-0.1	-0.4	314.7	8.14	106.4	
04.21.2021	13:21:50	S	3400.71	W	917.18	12.3	4.7	2.6	52.6	58.8	-0.0	-0.3	321.5	8.15	107.2	
04.21.2021	13:22:50	S	3400.73	W	916.9	12.5	4.7	2.6	52.4	57.9	-0.1	-0.3	321.5	8.15	107.2	
04.21.2021	13:23:50	S	3400.75	W	916.7	11.7	4.7	2.4	50.5	58.9	-0.1	-0.4	322.6	8.15	107.2	
04.21.2021	13:24:50	S	3400.76	W	916.45	11.2	4.6	2.4	53.3	59.6	-0.1	-0.4	321.8	8.15	107.2	
04.21.2021	13:25:50	S	3400.77	W	916.22	10.0	4.7	2.1	53.8	59.1	-0.0	-0.2	322.3	8.15	107.2	
04.21.2021	13:26:50	S	3400.79	W	915.95	11.1	4.7	2.3	53.0	59.2	-0.0	-0.3	321.4	8.18	107.4	
04.21.2021	13:27:50	S	3400.8	W	915.74	10.0	4.7	2.1	51.8	58.8	-0.2	-0.4	322.2	8.18	107.4	
04.21.2021	13:28:50	S	3400.81	W	915.54	9.4	4.7	2.0	52.3	57.8	-0.1	-0.3	321.5	8.15	107.2	
04.21.2021	13:29:50	S	3400.83	W	915.28	12.6	4.7	2.6	51.3	57.9	-0.0	-0.2	321.1	8.15	107.2	
04.21.2021	13:30:53	S	3400.84	W	915.02	12.2	4.7	2.5	53.2	58.2	-0.1	-0.4	317.0	8.14	106.4	
04.21.2021	13:31:53	S	3400.86	W	914.8	9.9	4.7	2.1	54.9	60.5	0.0	-0.2	313.2	8.17	106.4	
04.21.2021	13:32:53	S	3400.87	W	914.58	11.8	4.7	2.5	50.7	59.9	0.0	-0.2	315.7	8.18	107.4	
04.21.2021	13:33:53	S	3400.89	W	914.33	8.7	4.6	1.8	50.6	60.9	-0.1	-0.3	314.8	8.15	107.2	
04.21.2021	13:34:53	S	3400.9	W	914.09	10.5	4.7	2.2	52.1	60.6	0.0	-0.2	316.4	8.13	106.9	
04.21.2021	13:35:53	S	3400.91	W	913.85	9.7	4.7	2.0	54.4	60.9	-0.0	-0.3	313.7	8.14	106.4	
04.21.2021	13:36:53	S	3400.92	W	913.63	12.0	4.7	2.5	53.8	59.3	-0.1	-0.3	315.1	8.16	106.7	
04.21.2021	13:37:53	S	3400.94	W	913.39	12.0	4.7	2.5	53.7	58.3	-0.0	-0.3	319.8	8.15	107.2	
04.21.2021	13:38:53	S	3400.95	W	913.16	11.0	4.7	2.3	54.7	59.2	-0.0	-0.2	321.6	8.14	106.4	
04.21.2021	13:39:53	S	3400.96	W	912.95	9.7	4.7	2.0	52.6	58.7	-0.1	-0.3	322.4	8.16	106.7	
04.21.2021	13:40:49	S	3400.98	W	912.71	10.4	4.7	2.2	53.8	58.4	-0.1	-0.2	322.9	8.14	106.4	
04.21.2021	13:41:49	S	3401	W	912.46	9.6	4.7	2.0	49.8	58.2	-0.0	-0.3	322.1	8.17	106.2	
04.21.2021	13:42:49	S	3401.01	W	912.24	11.0	4.7	2.3	53.6	58.9	-0.0	-0.2	322.7	8.16	106.7	
04.21.2021	13:43:49	S	3401.02	W	911.97	10.9	4.7	2.3	50.2	58.5	-0.0	-0.2	318.4	8.16	106.7	
04.21.2021	13:44:49	S	3401.03	W	911.76	10.3	4.7	2.2	50.0	58.2	-0.1	-0.3	323.8	8.16	106.7	
04.21.2021	13:45:49	S	3401.05	W	911.53	10.7	4.7	2.2	53.9	65.3	-0.0	-0.2	319.1	8.14	106.4	
04.21.2021	13:46:49	S	3401.06	W	911.27	10.1	4.7	2.1	52.1	65.6	0.0	-0.2	322.3	8.16	106.7	
04.21.2021	13:47:49	S	3401.07	W	911.02	11.5	4.7	2.4	52.8	65.2	0.0	-0.2	313.4	8.14	106.4	
04.21.2021	13:48:49	S	3401.09	W	910.8	8.2	4.7	1.7	49.9	65.3	-0.0	-0.3	317.3	8.14	106.4	
04.21.2021	13:49:49	S	3401.1	W	910.57	10.8	4.6	2.3	53.2	64.7	-0.1	-0.3	314.1	8.14	106.9	
04.21.2021	13:50:56	S	3401.11	W	910.34	11.2	3.4	3.3	54.4	65.8	-0.1	-0.2	317.4	8.13	106.9	
04.21.2021	13:51:56	S	3401.13	W	910.1	12.3	2.7	4.5	51.6	65.4	0.0	-0.3	315.3	8.14	106.9	
04.21.2021	13:52:56	S	3401.14	W	909.87	11.1	4.6	2.4	52.8	65.1	-0.0	-0.3	321.9	8.16	106.7	
04.21.2021	13:53:56	S	3401.15	W	909.63	14.4	4.7	3.0	54.7	61.0	0.0	-0.2	321.1	8.14	106.9	
04.21.2021	13:54:56	S	3401.16	W	909.36	11.0	4.7	2.3	49.8	61.7	-0.1	-0.3	322.7	8.14	106.4	
04.21.2021	13:55:56	S	3401.17	W	909.14	11.3	4.7	2.4	50.3	61.8	-0.1	-0.2	323.1	8.14	106.4	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	13:56:56	S	3401.18	W	908.88	13.2	4.7	2.7	51.9	61.0	-0.1	-0.3	322.5	8.14	106.9
04.21.2021	13:57:56	S	3401.19	W	908.66	11.0	4.7	2.3	49.9	64.8	-0.1	-0.3	321.2	8.16	106.7
04.21.2021	13:58:57	S	3401.2	W	908.42	11.9	4.7	2.5	54.1	63.6	-0.1	-0.3	321.5	8.17	106.6
04.21.2021	13:59:57	S	3401.2	W	908.16	10.0	4.7	2.1	53.3	61.6	0.0	-0.2	321.1	8.18	106.9
04.21.2021	14:00:51	S	3401.2	W	907.96	11.3	4.7	2.4	53.3	62.0	-0.0	-0.3	321.4	8.14	106.4
04.21.2021	14:01:51	S	3401.22	W	907.69	11.3	4.7	2.4	51.6	55.9	0.0	-0.2	320.8	8.14	106.4
04.21.2021	14:02:51	S	3401.23	W	907.49	8.1	4.6	1.7	51.2	55.2	-0.1	-0.3	321.3	8.15	107.2
04.21.2021	14:03:51	S	3401.24	W	907.22	10.3	4.7	2.2	51.3	54.2	-0.0	-0.3	319.3	8.15	107.2
04.21.2021	14:04:51	S	3401.24	W	906.97	10.5	4.7	2.2	53.3	54.4	0.0	-0.2	316.6	8.15	107.2
04.21.2021	14:05:51	S	3401.24	W	906.74	10.2	4.7	2.1	53.1	54.2	-0.1	-0.3	315.7	8.16	106.6
04.21.2021	14:06:51	S	3401.25	W	906.53	10.6	4.7	2.2	49.9	53.7	0.0	-0.3	316.0	8.15	107.2
04.21.2021	14:07:51	S	3401.25	W	906.27	13.0	4.6	2.8	54.5	56.9	0.0	-0.2	315.5	8.17	106.6
04.21.2021	14:08:51	S	3401.25	W	906.04	10.5	4.7	2.2	52.4	53.5	-0.0	-0.2	316.6	8.12	106.9
04.21.2021	14:09:51	S	3401.26	W	905.79	11.1	4.7	2.3	52.4	53.5	-0.1	-0.2	318.5	8.15	107.2
04.21.2021	14:10:55	S	3401.26	W	905.55	11.4	4.7	2.4	54.6	54.0	-0.1	-0.3	322.3	8.15	107.2
04.21.2021	14:11:55	S	3401.28	W	905.29	10.0	4.7	2.1	52.8	54.2	-0.1	-0.3	322.6	8.18	106.9
04.21.2021	14:12:55	S	3401.3	W	905.04	12.2	4.6	2.6	48.6	54.4	0.0	-0.3	321.6	8.15	107.2
04.21.2021	14:13:55	S	3401.3	W	904.79	10.3	4.6	2.2	51.5	54.7	-0.1	-0.4	322.0	8.15	107.2
04.21.2021	14:14:55	S	3401.3	W	904.56	11.1	4.7	2.3	53.1	57.1	0.1	-0.2	322.2	8.15	107.2
04.21.2021	14:15:55	S	3401.29	W	904.33	11.2	4.7	2.3	52.9	53.3	-0.1	-0.3	321.9	8.13	106.9
04.21.2021	14:16:55	S	3401.28	W	904.09	13.4	4.7	2.8	58.0	54.1	-0.0	-0.3	321.6	8.15	107.2
04.21.2021	14:17:55	S	3401.28	W	903.83	12.5	4.7	2.6	54.9	54.3	0.0	-0.3	322.5	8.15	107.2
04.21.2021	14:18:55	S	3401.29	W	903.61	10.6	4.6	2.2	52.8	54.1	-0.1	-0.3	318.3	8.15	107.2
04.21.2021	14:19:55	S	3401.31	W	903.39	11.0	4.6	2.3	50.8	54.3	0.0	-0.3	318.2	8.15	107.2
04.21.2021	14:20:49	S	3401.33	W	903.14	11.8	4.6	2.5	52.0	53.8	-0.0	-0.3	315.2	8.16	106.7
04.21.2021	14:21:49	S	3401.34	W	902.87	11.0	4.6	2.3	51.2	53.5	-0.1	-0.3	316.4	8.15	107.2
04.21.2021	14:22:49	S	3401.35	W	902.65	10.6	4.7	2.2	49.5	54.2	-0.1	-0.3	313.8	8.18	107.4
04.21.2021	14:23:49	S	3401.35	W	902.37	10.7	4.7	2.2	50.7	55.1	-0.0	-0.3	317.4	8.15	107.2
04.21.2021	14:24:49	S	3401.36	W	902.13	13.0	4.6	2.8	50.5	54.6	0.1	-0.2	315.5	8.15	107.2
04.21.2021	14:25:49	S	3401.36	W	901.89	12.9	4.7	2.7	51.8	55.6	-0.0	-0.3	318.6	8.15	107.2
04.21.2021	14:26:49	S	3401.36	W	901.65	12.2	4.7	2.5	52.7	56.7	0.0	-0.2	321.9	8.15	107.2
04.21.2021	14:27:49	S	3401.36	W	901.4	12.4	4.6	2.7	52.3	56.6	-0.1	-0.3	323.2	8.15	107.2
04.21.2021	14:28:49	S	3401.37	W	901.17	9.8	4.7	2.1	50.4	55.6	0.0	-0.2	321.9	8.14	106.4
04.21.2021	14:29:49	S	3401.37	W	900.96	7.3	4.7	1.5	50.5	54.9	-0.1	-0.3	322.2	8.14	106.4
04.21.2021	14:30:52	S	3401.37	W	900.68	12.0	4.6	2.6	54.2	54.7	-0.0	-0.2	321.6	8.14	106.4
04.21.2021	14:31:52	S	3401.37	W	900.47	11.0	4.7	2.3	53.3	55.0	0.0	-0.2	322.4	8.14	106.4
04.21.2021	14:32:52	S	3401.38	W	900.23	10.7	4.7	2.2	52.5	56.5	-0.0	-0.2	320.0	8.14	106.4
04.21.2021	14:33:52	S	3401.39	W	859.97	10.3	4.6	2.2	52.7	54.4	-0.0	-0.2	322.8	8.14	106.4

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	14:34:52	S	3401.4	W	859.76	11.4	4.7	2.4	51.5	55.2	0.0	-0.3	315.9	8.14	106.4
04.21.2021	14:35:52	S	3401.4	W	859.54	10.5	4.7	2.2	51.9	60.6	-0.1	-0.3	318.5	8.14	106.4
04.21.2021	14:36:52	S	3401.42	W	859.26	10.0	4.7	2.1	53.7	60.9	0.0	-0.2	313.9	8.12	106.9
04.21.2021	14:37:52	S	3401.45	W	858.98	10.0	4.6	2.1	52.2	61.7	-0.1	-0.3	315.8	8.14	106.4
04.21.2021	14:38:52	S	3401.46	W	858.75	9.7	4.7	2.0	53.0	60.5	0.0	-0.2	312.7	8.14	106.4
04.21.2021	14:39:52	S	3401.48	W	858.53	11.8	4.7	2.5	47.4	60.4	-0.0	-0.2	316.5	8.14	106.4
04.21.2021	14:40:55	S	3401.5	W	858.29	12.5	4.6	2.7	52.5	60.5	-0.0	-0.3	318.3	8.14	106.4
04.21.2021	14:41:55	S	3401.51	W	858.05	11.0	4.7	2.3	52.0	60.0	-0.0	-0.3	320.0	8.14	106.4
04.21.2021	14:42:55	S	3401.52	W	857.79	12.0	4.7	2.5	52.7	60.1	-0.0	-0.3	321.9	8.14	106.4
04.21.2021	14:43:55	S	3401.54	W	857.56	9.2	4.7	1.9	48.4	60.2	-0.1	-0.3	322.0	8.14	106.4
04.21.2021	14:44:55	S	3401.56	W	857.31	11.1	4.6	2.3	51.7	61.7	-0.1	-0.3	321.6	8.14	106.4
04.21.2021	14:45:55	S	3401.57	W	857.09	14.6	4.6	3.1	56.3	61.5	-0.0	-0.3	322.2	8.14	106.4
04.21.2021	14:46:55	S	3401.58	W	856.82	12.8	4.7	2.7	55.1	60.8	-0.1	-0.3	322.5	8.14	106.4
04.21.2021	14:47:55	S	3401.59	W	856.61	8.6	4.8	1.7	57.7	63.2	-0.1	-0.3	320.1	8.18	106.4
04.21.2021	14:48:55	S	3401.6	W	856.37	10.1	4.7	2.1	54.5	62.7	-0.1	-0.3	321.9	8.14	106.4
04.21.2021	14:49:55	S	3401.63	W	856.11	11.9	4.7	2.5	50.7	61.8	-0.1	-0.3	321.9	8.14	106.4
04.21.2021	14:50:57	S	3401.66	W	855.9	13.4	4.7	2.8	49.3	60.9	0.0	-0.2	321.5	8.14	106.4
04.21.2021	14:51:57	S	3401.68	W	855.67	11.4	4.6	2.4	53.1	54.7	-0.0	-0.3	319.9	8.17	106.4
04.21.2021	14:52:57	S	3401.7	W	855.42	10.5	4.7	2.2	53.9	55.8	-0.1	-0.3	317.4	8.14	106.4
04.21.2021	14:53:57	S	3401.71	W	855.17	10.3	4.7	2.2	54.9	54.2	-0.0	-0.3	316.8	8.15	106.2
04.21.2021	14:54:57	S	3401.72	W	854.95	8.4	4.7	1.7	52.7	55.2	-0.1	-0.3	316.7	8.14	106.4
04.21.2021	14:55:57	S	3401.73	W	854.66	10.3	4.7	2.2	55.1	55.5	-0.1	-0.3	319.7	8.14	106.4
04.21.2021	14:56:57	S	3401.73	W	854.46	10.0	4.6	2.1	55.2	54.0	-0.0	-0.2	315.6	8.14	106.4
04.21.2021	14:57:57	S	3401.74	W	854.18	10.5	4.7	2.2	49.9	53.9	-0.1	-0.3	316.7	8.14	106.4
04.21.2021	14:58:57	S	3401.75	W	853.96	10.2	4.6	2.1	51.6	53.8	-0.0	-0.3	321.1	8.14	106.4
04.21.2021	14:59:57	S	3401.76	W	853.74	10.3	4.6	2.2	52.1	54.5	-0.1	-0.4	320.8	8.14	106.4
04.21.2021	15:00:50	S	3401.76	W	853.46	12.4	4.7	2.6	53.0	54.3	-0.1	-0.3	321.6	8.14	106.4
04.21.2021	15:01:50	S	3401.77	W	853.23	9.4	4.7	2.0	51.9	53.8	-0.1	-0.4	322.2	8.14	106.4
04.21.2021	15:02:50	S	3401.77	W	852.98	12.5	4.7	2.6	52.0	56.7	-0.1	-0.3	322.0	8.14	106.4
04.21.2021	15:03:50	S	3401.78	W	852.74	9.6	4.7	2.0	50.7	56.4	-0.1	-0.4	321.7	8.14	106.4
04.21.2021	15:04:50	S	3401.78	W	852.51	9.3	4.6	2.0	51.1	56.1	-0.1	-0.3	320.2	8.14	106.4
04.21.2021	15:05:50	S	3401.78	W	852.27	10.2	4.7	2.1	50.7	57.8	-0.1	-0.3	317.7	8.17	106.2
04.21.2021	15:06:50	S	3401.77	W	852	12.8	4.6	2.8	50.6	56.9	0.0	-0.2	319.9	8.14	106.4
04.21.2021	15:07:50	S	3401.76	W	851.79	11.8	4.7	2.5	53.0	58.9	-0.0	-0.3	315.6	8.14	106.4
04.21.2021	15:08:50	S	3401.75	W	851.54	12.4	4.7	2.6	54.7	57.6	-0.0	-0.2	315.5	8.14	106.4
04.21.2021	15:09:50	S	3401.75	W	851.31	12.1	4.7	2.5	51.3	57.3	0.0	-0.2	315.2	8.17	106.2
04.21.2021	15:10:50	S	3401.76	W	851.04	12.6	4.6	2.7	54.8	58.5	-0.0	-0.3	315.3	8.14	106.4
04.21.2021	15:11:50	S	3401.77	W	850.81	11.6	4.7	2.4	51.9	58.5	-0.1	-0.4	317.0	8.18	106.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	15:12:50	S	3401.78	W	850.56	11.0	4.6	2.3	50.6	57.5	-0.1	-0.3	318.7	8.17	106.2
04.21.2021	15:13:50	S	3401.78	W	850.32	11.0	4.7	2.3	55.7	58.7	0.0	-0.3	319.1	8.17	106.2
04.21.2021	15:14:50	S	3401.78	W	850.1	8.8	4.8	1.8	53.9	58.5	-0.1	-0.3	321.6	8.17	106.2
04.21.2021	15:15:50	S	3401.78	W	849.87	10.2	4.7	2.1	52.9	61.1	-0.0	-0.3	321.6	8.14	106.4
04.21.2021	15:16:50	S	3401.79	W	849.59	10.6	4.6	2.2	53.7	58.0	-0.1	-0.3	323.4	8.14	106.4
04.21.2021	15:17:50	S	3401.79	W	849.4	10.4	4.7	2.2	54.9	58.6	0.0	-0.2	321.5	8.18	106.4
04.21.2021	15:18:50	S	3401.8	W	849.14	12.0	4.7	2.5	52.3	59.0	-0.1	-0.3	321.6	8.14	106.4
04.21.2021	15:19:50	S	3401.81	W	848.9	12.4	4.7	2.6	52.3	60.3	0.0	-0.2	320.7	8.14	106.4
04.21.2021	15:20:50	S	3401.82	W	848.63	13.0	4.7	2.7	52.6	58.6	0.0	-0.3	323.4	8.14	106.4
04.21.2021	15:21:50	S	3401.83	W	848.42	10.1	4.7	2.1	51.9	59.5	-0.0	-0.2	318.9	8.14	106.4
04.21.2021	15:22:50	S	3401.83	W	848.19	10.2	4.7	2.1	51.5	58.7	-0.0	-0.3	321.9	8.14	106.4
04.21.2021	15:23:50	S	3401.83	W	847.94	11.8	4.7	2.5	56.2	58.3	0.1	-0.2	317.9	8.14	106.4
04.21.2021	15:24:50	S	3401.83	W	847.67	10.6	4.7	2.2	56.6	59.0	-0.2	-0.4	318.2	8.14	106.4
04.21.2021	15:25:50	S	3401.84	W	847.44	11.7	4.7	2.4	54.5	58.7	0.0	-0.3	313.0	8.14	106.4
04.21.2021	15:26:50	S	3401.85	W	847.21	11.0	4.6	2.4	51.3	65.4	-0.1	-0.3	316.2	8.14	106.4
04.21.2021	15:27:50	S	3401.86	W	846.95	9.2	4.7	1.9	50.9	67.2	-0.1	-0.3	313.3	8.14	106.4
04.21.2021	15:28:50	S	3401.87	W	846.72	11.6	4.7	2.4	48.2	63.9	0.0	-0.2	316.0	8.14	106.4
04.21.2021	15:29:50	S	3401.88	W	846.49	11.5	4.7	2.4	55.1	64.3	-0.1	-0.3	320.4	8.14	106.4
04.21.2021	15:30:54	S	3401.88	W	846.22	12.6	4.7	2.6	53.3	65.6	-0.0	-0.2	323.0	8.14	106.4
04.21.2021	15:31:54	S	3401.88	W	846	10.5	4.8	2.2	53.4	64.7	-0.0	-0.3	323.0	8.14	106.4
04.21.2021	15:32:54	S	3401.89	W	845.78	12.1	4.7	2.5	55.2	65.2	-0.1	-0.3	322.8	8.14	106.4
04.21.2021	15:33:54	S	3401.89	W	845.53	12.6	4.7	2.6	52.0	65.0	-0.1	-0.4	322.0	8.14	106.4
04.21.2021	15:34:54	S	3401.9	W	845.27	10.0	4.7	2.1	51.3	64.8	-0.1	-0.3	322.4	8.14	106.4
04.21.2021	15:35:54	S	3401.91	W	845.05	11.4	4.7	2.4	51.3	64.4	-0.1	-0.2	321.7	8.18	106.4
04.21.2021	15:36:54	S	3401.92	W	844.77	9.4	4.6	2.0	52.5	64.5	0.0	-0.2	321.2	8.14	106.4
04.21.2021	15:37:54	S	3401.93	W	844.54	11.0	4.7	2.3	50.4	65.3	-0.1	-0.3	320.2	8.14	106.4
04.21.2021	15:38:54	S	3401.93	W	844.32	10.9	4.7	2.3	52.4	65.2	0.0	-0.2	320.7	8.18	106.4
04.21.2021	15:39:54	S	3401.93	W	844.07	9.8	4.7	2.1	53.8	68.3	-0.1	-0.3	315.1	8.14	106.4
04.21.2021	15:40:51	S	3401.94	W	843.81	14.0	4.7	2.9	51.2	64.9	-0.1	-0.3	316.9	8.14	106.4
04.21.2021	15:41:51	S	3401.94	W	843.57	10.7	4.7	2.2	55.8	64.8	0.0	-0.2	318.4	8.14	106.4
04.21.2021	15:42:51	S	3401.95	W	843.32	11.8	4.8	2.4	55.4	58.5	-0.0	-0.3	316.4	8.14	106.4
04.21.2021	15:43:51	S	3401.97	W	843.09	12.8	4.6	2.8	52.5	57.4	-0.1	-0.3	315.9	8.14	106.4
04.21.2021	15:44:51	S	3401.99	W	842.84	11.2	4.6	2.4	51.2	57.0	0.1	-0.2	320.3	8.14	106.4
04.21.2021	15:45:51	S	3402.01	W	842.58	10.9	4.7	2.3	52.1	54.9	0.0	-0.3	319.8	8.17	106.2
04.21.2021	15:46:51	S	3402.03	W	842.38	10.5	4.7	2.2	50.7	55.1	0.0	-0.3	321.3	8.14	106.4
04.21.2021	15:47:51	S	3402.05	W	842.12	11.6	4.6	2.5	55.8	55.3	-0.1	-0.3	321.6	8.14	106.4
04.21.2021	15:48:51	S	3402.05	W	841.89	11.1	4.8	2.3	52.7	54.6	-0.1	-0.3	322.6	8.14	106.4
04.21.2021	15:49:51	S	3402.04	W	841.63	11.2	4.8	2.3	59.4	57.2	0.0	-0.2	322.1	8.14	106.4

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	15:50:57	S	3402.05	W	841.4	14.5	4.7	3.0	55.7	55.0	0.0	-0.2	321.7	8.14	106.4
04.21.2021	15:51:57	S	3402.08	W	841.15	11.2	4.7	2.3	51.7	54.2	-0.1	-0.4	323.0	8.14	106.4
04.21.2021	15:52:57	S	3402.09	W	840.9	11.3	4.6	2.4	54.2	55.0	-0.1	-0.3	319.9	8.18	106.4
04.21.2021	15:53:57	S	3402.11	W	840.69	12.2	4.7	2.5	54.3	54.3	-0.0	-0.3	315.7	8.14	106.4
04.21.2021	15:54:57	S	3402.13	W	840.41	11.7	4.6	2.5	50.7	53.9	-0.1	-0.3	317.0	8.16	106.7
04.21.2021	15:55:57	S	3402.14	W	840.21	11.0	4.6	2.3	52.9	54.9	-0.0	-0.3	314.2	8.14	106.4
04.21.2021	15:56:57	S	3402.15	W	839.98	11.2	4.7	2.3	54.4	54.4	-0.1	-0.4	314.4	8.15	107.2
04.21.2021	15:57:57	S	3402.16	W	839.72	11.4	4.7	2.4	50.9	53.7	0.0	-0.2	314.6	8.14	106.4
04.21.2021	15:58:57	S	3402.17	W	839.48	10.2	4.7	2.1	54.0	52.9	-0.1	-0.3	313.9	8.14	106.4
04.21.2021	15:59:57	S	3402.18	W	839.21	11.4	4.7	2.4	55.7	55.0	-0.0	-0.3	316.3	8.14	106.4
04.21.2021	16:00:54	S	3402.2	W	839	9.8	4.6	2.1	51.9	53.4	-0.1	-0.3	318.6	8.14	106.4
04.21.2021	16:01:54	S	3402.21	W	838.74	11.3	4.7	2.4	52.1	53.4	0.0	-0.2	320.0	8.14	106.4
04.21.2021	16:02:54	S	3402.22	W	838.49	12.0	4.7	2.5	51.6	54.5	-0.1	-0.3	321.9	8.14	106.4
04.21.2021	16:03:54	S	3402.24	W	838.26	9.0	4.7	1.9	54.1	56.3	-0.0	-0.3	321.4	8.14	106.4
04.21.2021	16:04:54	S	3402.25	W	838.02	11.2	4.6	2.4	53.1	56.7	-0.0	-0.2	322.3	8.16	106.7
04.21.2021	16:05:54	S	3402.26	W	837.77	11.5	4.7	2.4	52.5	56.0	-0.0	-0.3	322.2	8.17	106.2
04.21.2021	16:06:54	S	3402.27	W	837.51	10.6	4.7	2.2	52.6	54.6	-0.1	-0.4	322.2	8.14	106.4
04.21.2021	16:07:54	S	3402.28	W	837.27	11.0	4.7	2.3	52.9	55.1	-0.0	-0.2	321.5	8.17	106.6
04.21.2021	16:08:54	S	3402.29	W	837.04	9.8	4.7	2.1	52.5	57.3	0.0	-0.3	320.8	8.14	106.4
04.21.2021	16:09:54	S	3402.3	W	836.8	10.2	4.7	2.1	51.7	56.6	-0.0	-0.2	320.7	8.14	106.4
04.21.2021	16:10:50	S	3402.3	W	836.55	10.9	4.7	2.3	50.7	54.7	-0.1	-0.4	316.8	8.14	106.4
04.21.2021	16:11:50	S	3402.31	W	836.3	11.8	4.7	2.5	53.1	54.7	-0.0	-0.2	319.2	8.14	106.4
04.21.2021	16:12:50	S	3402.32	W	836.03	12.7	4.7	2.6	46.4	53.8	-0.0	-0.3	314.5	8.14	106.4
04.21.2021	16:13:50	S	3402.33	W	835.79	12.6	4.7	2.6	52.6	54.7	-0.0	-0.2	318.1	8.14	106.4
04.21.2021	16:14:50	S	3402.33	W	835.56	11.0	4.7	2.3	48.4	53.9	-0.0	-0.3	315.9	8.14	106.9
04.21.2021	16:15:50	S	3402.34	W	835.29	11.3	4.7	2.4	52.5	60.7	-0.1	-0.3	316.0	8.14	106.4
04.21.2021	16:16:50	S	3402.35	W	835.03	10.0	4.7	2.1	53.6	61.1	-0.0	-0.3	318.8	8.17	106.6
04.21.2021	16:17:50	S	3402.34	W	834.78	11.4	4.7	2.4	54.8	60.4	-0.1	-0.3	321.7	8.14	106.9
04.21.2021	16:18:50	S	3402.34	W	834.55	9.4	4.7	2.0	50.6	60.9	-0.1	-0.3	321.2	8.13	106.9
04.21.2021	16:19:50	S	3402.35	W	834.32	11.0	4.7	2.3	53.1	60.9	0.0	-0.3	322.1	8.13	106.9
04.21.2021	16:20:51	S	3402.36	W	834.07	9.3	4.6	2.0	55.0	61.1	-0.1	-0.3	322.5	8.13	106.7
04.21.2021	16:21:51	S	3402.37	W	833.81	12.1	4.8	2.5	51.5	61.3	-0.0	-0.3	321.4	8.13	106.9
04.21.2021	16:22:51	S	3402.37	W	833.56	10.5	4.7	2.2	51.9	60.8	-0.1	-0.3	322.8	8.13	106.9
04.21.2021	16:23:51	S	3402.38	W	833.29	11.6	4.7	2.4	53.7	60.9	-0.1	-0.3	323.0	8.17	106.6
04.21.2021	16:24:51	S	3402.39	W	833.05	11.5	4.7	2.4	49.2	60.6	-0.1	-0.3	321.2	8.12	106.9
04.21.2021	16:25:51	S	3402.4	W	832.81	12.2	4.7	2.5	51.7	60.8	-0.0	-0.3	322.0	8.12	106.9
04.21.2021	16:26:51	S	3402.4	W	832.58	11.6	4.7	2.4	49.9	60.4	0.0	-0.3	320.8	8.16	106.7
04.21.2021	16:27:51	S	3402.41	W	832.29	11.5	4.7	2.4	54.3	67.6	-0.0	-0.3	317.6	8.18	107.4

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	16:28:51	S	3402.42	W	832.08	11.6	4.7	2.4	55.7	65.2	-0.1	-0.2	317.6	8.18	107.4
04.21.2021	16:29:51	S	3402.44	W	831.78	12.1	4.7	2.5	48.9	64.4	-0.0	-0.4	315.4	8.15	107.2
04.21.2021	16:30:50	S	3402.45	W	831.58	10.0	4.7	2.1	48.8	63.9	-0.0	-0.2	316.3	8.15	106.9
04.21.2021	16:31:50	S	3402.46	W	831.31	9.8	4.7	2.1	51.0	56.1	-0.1	-0.3	316.8	8.17	107.2
04.21.2021	16:32:50	S	3402.48	W	831.03	12.9	4.7	2.7	55.8	56.0	-0.1	-0.3	318.3	8.17	107.2
04.21.2021	16:33:50	S	3402.48	W	830.8	9.4	4.7	2.0	56.1	56.8	-0.1	-0.3	320.1	8.17	107.2
04.21.2021	16:34:50	S	3402.49	W	830.52	11.6	4.7	2.4	50.9	56.7	-0.1	-0.4	322.8	8.13	107.2
04.21.2021	16:35:50	S	3402.49	W	830.28	11.8	4.7	2.5	56.3	56.7	-0.1	-0.3	321.7	8.18	106.9
04.21.2021	16:36:50	S	3402.51	W	830.05	14.5	4.7	3.0	55.6	58.6	-0.2	-0.4	322.9	8.17	107.2
04.21.2021	16:37:50	S	3402.53	W	829.78	10.1	4.6	2.1	52.5	56.0	-0.1	-0.3	322.0	8.17	106.4
04.21.2021	16:38:50	S	3402.54	W	829.57	11.4	4.6	2.4	53.4	57.7	0.1	-0.2	322.7	8.13	106.7
04.21.2021	16:39:50	S	3402.55	W	829.29	10.4	4.6	2.2	52.1	57.4	-0.1	-0.4	323.9	8.17	106.4
04.21.2021	16:40:53	S	3402.56	W	829.05	11.9	4.7	2.5	51.0	56.6	0.0	-0.2	320.4	8.15	106.9
04.21.2021	16:41:53	S	3402.56	W	828.79	11.4	4.7	2.4	55.6	57.1	-0.1	-0.3	320.3	8.12	106.9
04.21.2021	16:42:53	S	3402.56	W	828.54	12.0	4.7	2.5	51.2	56.1	-0.0	-0.3	317.3	8.13	106.6
04.21.2021	16:43:53	S	3402.57	W	828.32	11.6	4.7	2.4	47.3	56.4	-0.0	-0.3	315.9	8.13	106.4
04.21.2021	16:44:53	S	3402.58	W	828.05	13.7	4.7	2.9	49.9	58.0	0.0	-0.2	315.6	8.17	106.9
04.21.2021	16:45:53	S	3402.59	W	827.81	11.0	4.7	2.3	54.7	58.0	-0.0	-0.3	316.0	8.15	107.2
04.21.2021	16:46:53	S	3402.6	W	827.54	9.9	4.7	2.1	51.1	57.1	0.0	-0.2	315.7	8.15	107.2
04.21.2021	16:47:53	S	3402.62	W	827.3	11.5	4.6	2.5	51.0	55.3	-0.0	-0.3	312.8	8.12	106.9
04.21.2021	16:48:53	S	3402.63	W	827.05	11.3	4.6	2.4	51.4	55.8	-0.1	-0.3	319.7	8.13	107.2
04.21.2021	16:49:53	S	3402.63	W	826.79	11.2	4.7	2.3	52.7	58.2	-0.1	-0.3	321.7	8.17	107.2
04.21.2021	16:50:55	S	3402.64	W	826.55	11.1	4.7	2.3	51.8	60.7	-0.1	-0.3	322.7	8.14	107.4
04.21.2021	16:51:55	S	3402.66	W	826.31	12.8	4.6	2.8	54.5	62.6	-0.1	-0.3	321.4	8.13	107.2
04.21.2021	16:52:55	S	3402.66	W	826.07	12.0	4.7	2.5	54.0	61.1	-0.0	-0.3	323.0	8.13	106.6
04.21.2021	16:53:55	S	3402.67	W	825.79	13.3	4.7	2.8	51.6	60.7	-0.0	-0.3	322.5	8.13	106.6
04.21.2021	16:54:55	S	3402.68	W	825.53	9.6	4.6	2.0	52.4	60.8	-0.1	-0.3	321.1	8.13	106.9
04.21.2021	16:55:55	S	3402.69	W	825.28	10.9	4.7	2.3	54.8	60.6	-0.0	-0.3	319.4	8.16	106.9
04.21.2021	16:56:55	S	3402.69	W	825.06	9.6	4.7	2.0	52.4	61.0	-0.1	-0.3	321.9	8.14	106.4
04.21.2021	16:57:55	S	3402.7	W	824.77	12.9	4.6	2.8	51.2	60.1	-0.1	-0.3	319.7	8.17	106.4
04.21.2021	16:58:55	S	3402.7	W	824.55	11.8	4.7	2.5	51.2	60.3	-0.0	-0.2	321.8	8.13	106.7
04.21.2021	16:59:55	S	3402.7	W	824.27	13.3	4.7	2.8	55.0	61.6	-0.1	-0.3	316.0	8.13	106.6
04.21.2021	17:00:51	S	3402.71	W	824.03	13.4	4.6	2.9	51.0	60.5	-0.0	-0.3	319.0	8.14	106.4
04.21.2021	17:01:51	S	3402.71	W	823.76	13.0	4.6	2.8	50.6	59.6	-0.1	-0.3	313.1	8.14	106.4
04.21.2021	17:02:51	S	3402.72	W	823.52	12.2	4.7	2.5	52.3	60.1	0.0	-0.2	316.1	8.16	106.7
04.21.2021	17:03:51	S	3402.72	W	823.27	11.8	4.6	2.5	46.6	59.5	-0.1	-0.3	317.5	8.15	107.2
04.21.2021	17:04:51	S	3402.72	W	823	10.0	4.6	2.1	52.0	59.3	-0.1	-0.3	318.0	8.18	107.4
04.21.2021	17:05:51	S	3402.72	W	822.8	9.8	4.7	2.1	50.3	65.6	-0.0	-0.3	321.6	8.15	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	17:06:51	S	3402.72	W	822.51	11.5	4.7	2.4	51.2	66.4	-0.1	-0.3	321.4	8.14	107.4
04.21.2021	17:07:51	S	3402.73	W	822.25	11.0	4.7	2.3	50.2	66.6	0.0	-0.2	322.2	8.15	107.2
04.21.2021	17:08:51	S	3402.74	W	822.02	11.6	4.6	2.5	47.8	66.8	-0.0	-0.2	322.2	8.17	107.2
04.21.2021	17:09:51	S	3402.75	W	821.76	11.5	4.7	2.4	52.8	67.3	-0.1	-0.4	322.7	8.14	107.4
04.21.2021	17:10:51	S	3402.76	W	821.52	10.4	4.7	2.2	52.7	66.7	-0.0	-0.3	321.8	8.15	107.2
04.21.2021	17:11:51	S	3402.76	W	821.26	9.9	4.7	2.1	51.2	66.3	-0.1	-0.3	320.8	8.15	107.2
04.21.2021	17:12:51	S	3402.77	W	820.99	14.2	4.7	2.9	52.9	66.8	0.0	-0.2	321.4	8.15	107.2
04.21.2021	17:13:51	S	3402.77	W	820.8	11.8	4.7	2.5	53.4	66.5	-0.1	-0.3	320.7	8.13	106.9
04.21.2021	17:14:51	S	3402.78	W	820.5	11.7	4.6	2.5	50.9	68.3	-0.1	-0.3	318.4	8.17	107.2
04.21.2021	17:15:51	S	3402.78	W	820.27	11.1	4.7	2.3	51.7	68.6	0.0	-0.2	316.6	8.16	106.7
04.21.2021	17:16:51	S	3402.79	W	820.02	11.4	4.7	2.4	51.3	68.4	-0.1	-0.3	315.7	8.15	107.2
04.21.2021	17:17:51	S	3402.79	W	819.78	9.8	4.6	2.1	52.5	67.4	-0.1	-0.3	316.1	8.13	106.7
04.21.2021	17:18:51	S	3402.8	W	819.55	11.6	4.6	2.5	52.1	67.3	-0.1	-0.3	319.9	8.12	107.2
04.21.2021	17:19:51	S	3402.8	W	819.28	10.5	4.7	2.2	54.8	67.5	0.0	-0.2	314.7	8.13	106.9
04.21.2021	17:20:50	S	3402.79	W	819.06	10.8	4.7	2.3	57.6	67.1	0.0	-0.2	320.5	8.16	106.7
04.21.2021	17:21:50	S	3402.81	W	818.81	12.9	4.8	2.7	49.3	59.8	-0.1	-0.3	321.1	8.14	106.9
04.21.2021	17:22:50	S	3402.83	W	818.59	10.6	4.6	2.3	51.7	60.2	-0.1	-0.3	322.1	8.14	107.4
04.21.2021	17:23:50	S	3402.85	W	818.31	13.0	4.6	2.8	51.2	62.2	-0.1	-0.3	323.1	8.17	107.2
04.21.2021	17:24:50	S	3402.86	W	818.1	10.4	4.7	2.2	55.4	62.0	-0.1	-0.3	322.5	8.17	107.2
04.21.2021	17:25:50	S	3402.86	W	817.87	10.5	4.7	2.2	49.6	61.1	-0.1	-0.3	321.4	8.17	107.2
04.21.2021	17:26:50	S	3402.88	W	817.62	13.6	4.7	2.8	51.5	60.6	-0.1	-0.3	320.4	8.17	107.2
04.21.2021	17:27:50	S	3402.9	W	817.36	9.0	4.6	1.9	51.1	60.4	-0.0	-0.3	320.5	8.15	107.2
04.21.2021	17:28:50	S	3402.92	W	817.14	12.4	4.7	2.6	52.5	58.7	0.0	-0.3	320.9	8.15	107.0
04.21.2021	17:29:50	S	3402.93	W	816.88	10.7	4.7	2.2	51.6	56.3	-0.1	-0.3	319.2	8.17	107.2
04.21.2021	17:30:56	S	3402.94	W	816.65	8.8	4.6	1.9	54.8	56.2	-0.0	-0.3	317.1	8.12	107.0
04.21.2021	17:31:56	S	3402.94	W	816.4	11.0	4.7	2.3	53.9	55.9	-0.1	-0.4	317.7	8.15	107.2
04.21.2021	17:32:56	S	3402.95	W	816.13	11.6	4.7	2.4	53.6	55.6	-0.2	-0.4	314.0	8.17	107.2
04.21.2021	17:33:56	S	3402.96	W	815.89	10.0	4.7	2.1	52.2	55.4	0.0	-0.4	314.6	8.17	107.2
04.21.2021	17:34:56	S	3402.96	W	815.68	10.9	4.7	2.3	52.1	55.8	-0.1	-0.4	313.8	8.13	107.2
04.21.2021	17:35:56	S	3402.97	W	815.42	13.0	4.6	2.8	52.5	55.7	-0.0	-0.2	315.8	8.14	107.8
04.21.2021	17:36:56	S	3402.98	W	815.19	10.4	4.7	2.2	54.0	55.8	-0.0	-0.3	317.4	8.17	107.2
04.21.2021	17:37:56	S	3402.99	W	814.93	8.2	4.7	1.7	50.9	55.9	-0.1	-0.4	320.6	8.17	107.2
04.21.2021	17:38:56	S	3403	W	814.68	12.0	4.6	2.6	54.7	56.7	0.0	-0.3	322.1	8.15	107.2
04.21.2021	17:39:56	S	3403	W	814.42	13.0	4.7	2.7	56.6	58.4	0.1	-0.1	323.5	8.17	107.2
04.21.2021	17:40:52	S	3403.01	W	814.22	10.2	4.7	2.1	50.9	57.8	-0.1	-0.4	322.7	8.17	107.2
04.21.2021	17:41:52	S	3403.01	W	813.97	8.5	4.6	1.8	55.5	58.1	-0.1	-0.4	322.5	8.15	107.2
04.21.2021	17:42:52	S	3403.01	W	813.71	11.0	4.7	2.3	53.0	57.8	-0.1	-0.3	319.5	8.17	107.2
04.21.2021	17:43:52	S	3403.02	W	813.44	10.4	4.6	2.2	49.6	56.6	-0.1	-0.4	322.6	8.14	107.4

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	17:44:52	S	3403.03	W	813.24	9.5	4.6	2.0	51.2	57.1	-0.0	-0.2	320.0	8.17	107.2
04.21.2021	17:45:52	S	3403.03	W	813	8.4	4.6	1.8	52.3	57.0	-0.1	-0.4	321.9	8.17	107.2
04.21.2021	17:46:52	S	3403.03	W	812.75	10.2	4.7	2.1	54.1	57.3	-0.1	-0.3	317.4	8.15	107.2
04.21.2021	17:47:52	S	3403.04	W	812.51	9.9	4.7	2.1	52.0	58.7	-0.1	-0.3	318.1	8.17	107.2
04.21.2021	17:48:52	S	3403.06	W	812.23	9.6	4.6	2.0	51.1	56.1	-0.0	-0.2	315.0	8.16	107.9
04.21.2021	17:49:52	S	3403.07	W	811.99	10.7	4.7	2.2	52.4	57.0	0.1	-0.1	318.6	8.16	107.9
04.21.2021	17:50:53	S	3403.07	W	811.75	11.9	4.7	2.5	55.3	56.6	0.0	-0.2	317.0	8.14	107.2
04.21.2021	17:51:53	S	3403.08	W	811.52	10.5	4.7	2.2	53.1	58.1	-0.0	-0.3	317.0	8.17	107.2
04.21.2021	17:52:53	S	3403.08	W	811.27	8.6	4.7	1.8	48.7	55.0	-0.1	-0.3	319.3	8.13	107.0
04.21.2021	17:53:53	S	3403.08	W	811.02	11.2	4.7	2.3	53.0	57.9	-0.1	-0.4	320.8	8.15	107.6
04.21.2021	17:54:53	S	3403.09	W	810.76	11.0	4.7	2.3	52.8	58.9	-0.1	-0.3	322.2	8.13	107.8
04.21.2021	17:55:53	S	3403.1	W	810.52	11.8	4.7	2.5	56.6	63.6	-0.1	-0.4	322.4	8.15	107.2
04.21.2021	17:56:53	S	3403.1	W	810.26	9.4	4.6	2.0	56.2	64.2	-0.0	-0.2	323.0	8.15	107.2
04.21.2021	17:57:53	S	3403.11	W	810.01	9.7	4.7	2.0	55.9	63.9	-0.1	-0.4	321.5	8.13	107.2
04.21.2021	17:58:53	S	3403.12	W	809.75	10.3	4.7	2.2	51.2	63.3	-0.1	-0.3	322.1	8.15	107.2
04.21.2021	17:59:53	S	3403.14	W	809.51	10.2	4.6	2.1	51.1	62.6	-0.0	-0.3	321.6	8.17	107.2
04.21.2021	18:00:56	S	3403.15	W	809.26	10.3	4.6	2.2	52.9	62.6	0.0	-0.3	319.4	8.15	107.2
04.21.2021	18:01:56	S	3403.16	W	809.03	12.9	4.6	2.8	50.7	62.8	-0.1	-0.3	319.6	8.15	107.2
04.21.2021	18:02:56	S	3403.16	W	808.8	12.3	4.7	2.6	50.4	63.6	-0.0	-0.2	319.4	8.15	107.2
04.21.2021	18:03:56	S	3403.16	W	808.53	10.0	4.7	2.1	50.1	62.8	-0.1	-0.3	318.4	8.15	107.2
04.21.2021	18:04:56	S	3403.16	W	808.31	10.7	4.7	2.2	53.9	64.2	-0.1	-0.4	317.6	8.12	107.2
04.21.2021	18:05:56	S	3403.17	W	808.05	10.7	4.7	2.2	56.0	64.5	-0.0	-0.2	318.4	8.15	107.2
04.21.2021	18:06:56	S	3403.18	W	807.81	7.5	4.7	1.6	52.9	64.6	-0.1	-0.3	315.7	8.15	107.2
04.21.2021	18:07:56	S	3403.19	W	807.57	10.7	4.6	2.3	54.3	64.2	-0.0	-0.3	314.9	8.12	107.2
04.21.2021	18:08:56	S	3403.2	W	807.33	11.4	4.6	2.4	56.5	64.4	-0.0	-0.3	318.4	8.13	106.9
04.21.2021	18:09:56	S	3403.21	W	807.08	8.7	4.6	1.8	49.9	63.6	-0.1	-0.3	320.4	8.15	107.2
04.21.2021	18:10:58	S	3403.21	W	806.84	12.3	4.7	2.6	48.3	64.3	-0.1	-0.3	321.2	8.15	107.2
04.21.2021	18:11:58	S	3403.22	W	806.63	11.0	4.6	2.3	56.1	56.9	-0.0	-0.2	322.3	8.15	107.2
04.21.2021	18:12:58	S	3403.22	W	806.4	11.3	4.7	2.4	48.7	58.1	-0.1	-0.3	321.8	8.15	107.2
04.21.2021	18:13:58	S	3403.23	W	806.13	11.2	4.6	2.4	55.5	56.9	0.0	-0.2	322.3	8.15	107.2
04.21.2021	18:14:58	S	3403.23	W	805.92	12.0	4.6	2.6	54.9	57.2	-0.1	-0.3	320.1	8.17	107.2
04.21.2021	18:15:58	S	3403.24	W	805.64	9.8	4.7	2.1	55.1	56.8	-0.0	-0.3	319.6	8.15	107.2
04.21.2021	18:16:58	S	3403.25	W	805.41	8.0	4.6	1.7	49.3	56.9	-0.1	-0.3	320.9	8.15	107.2
04.21.2021	18:17:58	S	3403.27	W	805.18	8.3	4.6	1.8	54.2	57.6	-0.0	-0.3	318.0	8.15	107.2
04.21.2021	18:18:58	S	3403.28	W	804.95	12.2	4.6	2.6	54.2	57.0	-0.1	-0.3	319.2	8.15	107.2
04.21.2021	18:19:58	S	3403.29	W	804.7	11.9	4.6	2.5	49.8	55.9	-0.1	-0.3	315.8	8.15	107.2
04.21.2021	18:20:50	S	3403.29	W	804.46	11.0	4.6	2.3	58.0	59.2	-0.0	-0.2	315.5	8.15	107.2
04.21.2021	18:21:50	S	3403.31	W	804.23	12.3	4.7	2.6	57.9	57.4	-0.0	-0.3	313.2	8.15	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	18:22:50	S	3403.34	W	804.02	10.7	4.8	2.2	56.2	56.0	-0.1	-0.3	314.4	8.16	107.0
04.21.2021	18:23:50	S	3403.38	W	803.81	11.8	4.6	2.5	51.4	58.4	-0.1	-0.4	316.1	8.15	107.2
04.21.2021	18:24:50	S	3403.44	W	803.53	8.4	4.5	1.9	50.9	58.1	0.0	-0.3	320.3	8.14	107.4
04.21.2021	18:25:50	S	3403.48	W	803.31	10.6	4.5	2.3	55.6	60.3	-0.0	-0.3	321.9	8.14	107.4
04.21.2021	18:26:50	S	3403.51	W	803.09	9.7	4.6	2.0	54.4	57.2	-0.0	-0.3	322.5	8.15	107.2
04.21.2021	18:27:50	S	3403.51	W	803.09	11.6	4.6	2.5	53.3	59.5	-0.1	-0.3	322.2	8.15	107.2
04.21.2021	18:28:50	S	3403.61	W	802.6	13.4	4.6	2.9	50.9	57.7	-0.0	-0.3	321.6	8.15	107.2
04.21.2021	18:29:50	S	3403.66	W	802.36	12.9	4.6	2.8	54.7	58.8	0.0	-0.3	320.5	8.15	107.2
04.21.2021	18:30:57	S	3403.7	W	802.14	10.4	4.6	2.2	52.7	57.8	0.0	-0.2	322.3	8.15	107.2
04.21.2021	18:31:57	S	3403.73	W	802.03	11.6	4.6	2.5	53.5	58.2	-0.0	-0.3	320.6	8.15	107.2
04.21.2021	18:32:57	S	3403.81	W	801.65	12.2	4.6	2.6	54.7	58.4	-0.1	-0.3	321.8	8.15	107.2
04.21.2021	18:33:57	S	3403.87	W	801.41	11.6	4.5	2.5	46.8	57.0	-0.1	-0.4	318.5	8.17	107.2
04.21.2021	18:34:57	S	3403.92	W	801.18	13.5	4.6	2.9	55.3	57.2	-0.0	-0.3	320.7	8.15	107.2
04.21.2021	18:35:57	S	3403.96	W	800.95	10.0	4.6	2.1	52.3	56.7	-0.1	-0.4	315.3	8.15	107.2
04.21.2021	18:36:57	S	3404.01	W	800.73	15.0	4.7	3.1	55.5	58.0	-0.1	-0.3	316.8	8.16	107.2
04.21.2021	18:37:57	S	3404.06	W	800.49	7.6	4.6	1.6	52.2	57.1	-0.0	-0.2	314.0	8.16	107.2
04.21.2021	18:38:57	S	3404.12	W	800.27	11.5	4.6	2.4	54.5	59.6	-0.1	-0.3	316.0	8.15	107.2
04.21.2021	18:39:57	S	3404.18	W	800.03	11.8	4.6	2.5	51.6	59.3	-0.0	-0.3	316.6	8.17	107.2
04.21.2021	18:40:58	S	3404.24	W	759.79	11.2	4.6	2.4	53.9	59.3	-0.0	-0.3	318.8	8.17	107.2
04.21.2021	18:41:58	S	3404.3	W	759.56	12.0	4.6	2.6	50.2	59.3	-0.0	-0.2	322.4	8.12	107.2
04.21.2021	18:42:58	S	3404.35	W	759.33	7.8	4.6	1.7	53.3	59.6	0.0	-0.2	321.2	8.12	107.2
04.21.2021	18:43:58	S	3404.4	W	759.11	9.9	4.7	2.1	56.0	59.9	-0.0	-0.3	321.5	8.15	107.2
04.21.2021	18:44:58	S	3404.46	W	758.83	10.9	4.6	2.3	51.5	60.1	-0.0	-0.3	321.7	8.15	107.2
04.21.2021	18:45:58	S	3404.51	W	758.64	11.7	4.6	2.5	51.1	66.3	-0.0	-0.3	322.1	8.15	107.2
04.21.2021	18:46:58	S	3404.56	W	758.41	9.2	4.6	2.0	48.3	66.3	-0.2	-0.4	321.4	8.18	107.4
04.21.2021	18:47:58	S	3404.62	W	758.16	9.5	4.6	2.0	50.3	67.1	-0.1	-0.3	320.0	8.15	107.2
04.21.2021	18:48:58	S	3404.67	W	757.89	10.0	4.6	2.1	51.9	66.7	-0.0	-0.3	320.0	8.15	107.2
04.21.2021	18:49:58	S	3404.72	W	757.67	10.5	4.6	2.2	53.6	67.6	-0.1	-0.3	321.0	8.16	106.7
04.21.2021	18:50:54	S	3404.77	W	757.47	11.3	4.6	2.4	51.8	66.5	-0.1	-0.3	318.6	8.14	107.2
04.21.2021	18:51:54	S	3404.83	W	757.19	11.4	4.6	2.4	50.9	66.9	-0.0	-0.3	318.0	8.17	107.2
04.21.2021	18:52:54	S	3404.89	W	756.97	11.1	4.6	2.4	52.0	67.6	-0.1	-0.4	316.3	8.17	107.2
04.21.2021	18:53:54	S	3404.95	W	756.72	7.7	4.6	1.6	51.1	68.4	-0.1	-0.3	316.7	8.12	107.2
04.21.2021	18:54:54	S	3405	W	756.5	11.8	4.6	2.5	48.4	67.3	-0.0	-0.2	314.4	8.14	107.4
04.21.2021	18:55:54	S	3405.05	W	756.26	9.3	4.6	2.0	55.7	68.9	-0.1	-0.4	315.6	8.15	107.2
04.21.2021	18:56:54	S	3405.1	W	756.04	9.9	4.7	2.1	53.8	69.0	-0.1	-0.3	319.7	8.16	107.0
04.21.2021	18:57:54	S	3405.15	W	755.83	9.3	4.6	2.0	50.1	66.2	-0.2	-0.4	319.7	8.15	107.2
04.21.2021	18:58:54	S	3405.2	W	755.57	7.7	4.6	1.6	48.3	66.3	-0.1	-0.3	323.3	8.15	107.2
04.21.2021	18:59:54	S	3405.26	W	755.33	13.9	4.7	2.9	52.4	67.8	0.0	-0.2	322.5	8.15	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	19:00:56	S	3405.3	W	755.1	12.5	4.6	2.7	50.2	68.8	-0.1	-0.3	321.4	8.13	107.0
04.21.2021	19:01:56	S	3405.33	W	754.88	11.6	4.7	2.4	52.2	59.7	-0.1	-0.4	321.8	8.15	107.2
04.21.2021	19:02:56	S	3405.36	W	754.66	12.8	4.7	2.7	52.8	59.6	-0.1	-0.3	321.3	8.16	107.9
04.21.2021	19:03:56	S	3405.41	W	754.41	9.5	4.6	2.0	50.6	59.6	-0.1	-0.3	321.5	8.17	107.2
04.21.2021	19:04:56	S	3405.44	W	754.18	10.8	4.5	2.4	53.6	61.2	0.0	-0.2	319.8	8.12	107.8
04.21.2021	19:05:56	S	3405.46	W	753.92	9.5	4.6	2.0	54.1	61.2	0.1	-0.2	319.0	8.16	107.0
04.21.2021	19:06:56	S	3405.46	W	753.71	11.6	4.6	2.5	56.0	59.1	-0.0	-0.2	318.9	8.12	107.2
04.21.2021	19:07:56	S	3405.44	W	753.46	7.9	4.7	1.7	58.8	56.0	-0.0	-0.2	318.0	8.18	107.4
04.21.2021	19:08:56	S	3405.42	W	753.22	12.3	4.7	2.6	52.3	55.0	-0.1	-0.3	317.2	8.15	107.2
04.21.2021	19:09:56	S	3405.41	W	752.98	9.4	4.6	2.0	54.6	55.4	-0.1	-0.3	315.4	8.17	107.8
04.21.2021	19:10:53	S	3405.41	W	752.73	12.2	4.6	2.6	54.8	56.6	0.0	-0.3	313.4	8.15	107.2
04.21.2021	19:11:53	S	3405.4	W	752.5	11.4	4.6	2.5	52.5	55.3	0.0	-0.3	316.5	8.13	107.2
04.21.2021	19:12:53	S	3405.4	W	752.24	10.2	4.6	2.1	54.0	55.4	-0.1	-0.3	315.8	8.17	107.2
04.21.2021	19:13:53	S	3405.4	W	752.02	10.3	4.6	2.2	51.6	56.4	0.0	-0.3	318.5	8.15	107.2
04.21.2021	19:14:53	S	3405.39	W	751.75	11.7	4.6	2.5	55.3	55.9	-0.0	-0.2	322.4	8.12	107.3
04.21.2021	19:15:53	S	3405.38	W	751.53	12.0	4.6	2.6	51.7	55.9	-0.1	-0.3	322.8	8.18	107.8
04.21.2021	19:16:53	S	3405.38	W	751.29	12.0	4.6	2.6	56.3	57.1	-0.1	-0.3	322.9	8.15	107.2
04.21.2021	19:17:53	S	3405.37	W	751.02	10.7	4.6	2.2	50.3	56.0	-0.1	-0.4	322.1	8.15	107.2
04.21.2021	19:18:53	S	3405.35	W	750.78	12.2	4.6	2.6	57.0	58.3	0.0	-0.2	322.3	8.17	107.0
04.21.2021	19:19:53	S	3405.34	W	750.51	11.6	4.6	2.5	53.9	57.0	-0.0	-0.3	323.0	8.16	107.0
04.21.2021	19:20:55	S	3405.34	W	750.29	7.0	4.6	1.5	55.1	57.7	-0.1	-0.4	320.7	8.14	107.4
04.21.2021	19:21:55	S	3405.33	W	750.02	10.2	4.6	2.2	50.1	56.3	-0.1	-0.3	322.2	8.15	107.2
04.21.2021	19:22:55	S	3405.31	W	749.79	10.2	4.6	2.2	55.7	57.3	-0.0	-0.3	316.9	8.12	107.0
04.21.2021	19:23:55	S	3405.3	W	749.53	12.7	4.6	2.7	58.6	56.7	-0.0	-0.3	318.0	8.17	107.0
04.21.2021	19:24:55	S	3405.29	W	749.3	11.2	4.6	2.4	56.7	57.1	-0.0	-0.3	315.7	8.15	107.2
04.21.2021	19:25:55	S	3405.28	W	749.07	13.1	4.6	2.8	48.0	57.9	-0.1	-0.3	317.0	8.15	107.2
04.21.2021	19:26:55	S	3405.27	W	748.83	11.5	4.6	2.5	53.5	57.8	-0.1	-0.3	314.4	8.16	107.8
04.21.2021	19:27:55	S	3405.26	W	748.55	12.8	4.7	2.7	48.9	57.2	-0.1	-0.3	314.6	8.14	107.6
04.21.2021	19:28:55	S	3405.24	W	748.32	11.4	4.6	2.5	55.3	55.8	0.0	-0.3	318.9	8.16	107.4
04.21.2021	19:29:55	S	3405.22	W	748.09	12.0	4.6	2.6	51.8	56.3	0.0	-0.3	321.2	8.16	107.5
04.21.2021	19:30:56	S	3405.2	W	747.83	11.0	4.6	2.3	54.8	56.6	0.0	-0.2	323.8	8.12	107.2
04.21.2021	19:31:56	S	3405.19	W	747.6	10.4	4.6	2.2	48.0	55.8	-0.1	-0.3	321.6	8.15	107.2
04.21.2021	19:32:56	S	3405.18	W	747.31	8.0	4.6	1.7	48.4	55.8	0.0	-0.3	321.7	8.15	107.2
04.21.2021	19:33:56	S	3405.18	W	747.17	12.4	4.6	2.7	53.2	56.2	-0.1	-0.3	321.9	8.18	107.5
04.21.2021	19:34:56	S	3405.17	W	746.84	10.8	4.6	2.3	52.0	68.8	-0.1	-0.3	322.7	8.16	107.3
04.21.2021	19:35:56	S	3405.16	W	746.59	12.3	4.6	2.6	48.0	62.8	0.0	-0.3	322.3	8.17	107.2
04.21.2021	19:36:56	S	3405.15	W	746.32	11.1	4.6	2.3	51.8	63.4	-0.0	-0.3	321.1	8.18	107.2
04.21.2021	19:37:56	S	3405.13	W	746.05	11.4	4.6	2.4	49.2	63.1	-0.0	-0.2	318.8	8.13	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	19:38:56	S	3405.11	W	745.82	8.6	4.6	1.8	52.3	63.8	0.0	-0.3	318.9	8.14	107.2
04.21.2021	19:39:56	S	3405.09	W	745.56	10.5	4.6	2.2	48.7	63.4	-0.1	-0.3	317.5	8.13	107.2
04.21.2021	19:40:52	S	3405.08	W	745.3	11.2	4.6	2.4	53.3	63.6	-0.0	-0.3	315.0	8.14	107.0
04.21.2021	19:41:52	S	3405.06	W	745.08	10.6	4.6	2.2	52.9	62.8	-0.0	-0.2	316.8	8.16	107.2
04.21.2021	19:42:51	S	3405.05	W	744.79	8.9	4.6	1.9	53.9	64.1	-0.1	-0.3	316.0	8.16	107.9
04.21.2021	19:43:51	S	3405.03	W	744.54	10.3	4.6	2.2	51.9	65.2	0.0	-0.3	316.4	8.14	107.2
04.21.2021	19:44:51	S	3405.02	W	744.3	10.5	4.6	2.2	49.9	63.0	-0.1	-0.3	318.4	8.14	107.6
04.21.2021	19:45:51	S	3405	W	744.04	11.2	4.6	2.4	50.5	62.0	-0.0	-0.3	321.2	8.16	107.9
04.21.2021	19:46:51	S	3404.99	W	743.81	11.9	4.6	2.6	52.3	62.7	0.0	-0.3	323.0	8.16	107.5
04.21.2021	19:47:51	S	3404.96	W	743.53	10.0	4.6	2.1	53.2	62.9	-0.0	-0.3	323.0	8.12	107.8
04.21.2021	19:48:51	S	3404.95	W	743.29	12.5	4.6	2.7	53.2	63.8	-0.0	-0.3	321.9	8.16	107.9
04.21.2021	19:49:51	S	3404.92	W	743.07	9.8	4.6	2.1	49.4	62.8	-0.0	-0.3	322.4	8.16	107.9
04.21.2021	19:50:51	S	3404.9	W	742.8	11.6	4.6	2.5	51.6	63.0	-0.1	-0.3	319.2	8.12	107.8
04.21.2021	19:51:51	S	3404.88	W	742.57	12.9	4.6	2.8	53.3	63.2	-0.1	-0.4	321.6	8.12	107.3
04.21.2021	19:52:51	S	3404.85	W	742.31	13.5	4.7	2.8	52.3	63.8	-0.1	-0.3	321.9	8.15	107.6
04.21.2021	19:53:51	S	3404.83	W	742.06	13.5	4.6	2.9	49.1	55.8	-0.1	-0.3	319.8	8.13	107.8
04.21.2021	19:54:51	S	3404.81	W	741.79	8.8	4.6	1.9	52.1	56.6	-0.0	-0.3	317.6	8.15	107.6
04.21.2021	19:55:51	S	3404.79	W	741.59	12.1	4.6	2.6	51.6	56.3	-0.1	-0.3	316.0	8.15	107.2
04.21.2021	19:56:51	S	3404.77	W	741.28	11.8	4.6	2.5	52.8	58.4	0.0	-0.2	314.2	8.18	107.4
04.21.2021	19:57:51	S	3404.75	W	741.04	9.9	4.7	2.1	54.1	58.7	-0.1	-0.3	314.2	8.16	107.9
04.21.2021	19:58:51	S	3404.74	W	740.81	10.5	4.6	2.2	54.6	56.2	0.1	-0.2	314.4	8.17	107.2
04.21.2021	19:59:51	S	3404.72	W	740.55	11.0	4.6	2.3	54.6	56.3	-0.1	-0.3	315.5	8.17	107.2
04.21.2021	20:00:51	S	3404.71	W	740.31	10.0	4.6	2.1	54.9	56.7	0.0	-0.2	318.0	8.15	107.2
04.21.2021	20:01:51	S	3404.69	W	740.04	9.3	4.6	2.0	52.0	55.6	-0.1	-0.4	320.0	8.16	107.0
04.21.2021	20:02:51	S	3404.67	W	739.83	13.3	4.6	2.9	54.2	58.3	-0.2	-0.3	323.1	8.15	107.0
04.21.2021	20:03:51	S	3404.65	W	739.57	10.2	4.6	2.1	54.5	56.4	-0.1	-0.3	323.1	8.17	107.0
04.21.2021	20:04:51	S	3404.63	W	739.33	10.8	4.6	2.3	49.2	57.5	0.1	-0.2	321.2	8.16	107.5
04.21.2021	20:05:51	S	3404.6	W	739.05	11.1	4.6	2.4	53.3	57.0	-0.0	-0.3	322.1	8.14	107.0
04.21.2021	20:06:51	S	3404.59	W	738.81	11.3	4.6	2.4	52.8	60.1	-0.0	-0.2	322.0	8.14	107.6
04.21.2021	20:07:51	S	3404.56	W	738.56	13.2	4.6	2.8	51.9	57.0	-0.1	-0.4	321.0	8.17	107.8
04.21.2021	20:08:51	S	3404.55	W	738.32	9.8	4.7	2.1	55.8	57.3	-0.0	-0.3	322.8	8.17	107.8
04.21.2021	20:09:51	S	3404.54	W	738.08	11.1	4.7	2.3	60.4	59.0	-0.1	-0.3	319.7	8.14	107.6
04.21.2021	20:10:57	S	3404.55	W	737.79	10.9	4.6	2.3	49.3	56.8	0.0	-0.2	320.4	8.14	107.6
04.21.2021	20:11:57	S	3404.56	W	737.57	12.7	4.6	2.7	53.3	59.0	0.0	-0.2	316.6	8.14	107.9
04.21.2021	20:12:57	S	3404.56	W	737.32	9.8	4.6	2.1	50.0	55.9	-0.0	-0.3	318.1	8.16	107.0
04.21.2021	20:13:57	S	3404.57	W	737.06	11.3	4.6	2.4	52.9	56.2	-0.1	-0.3	313.4	8.13	107.5
04.21.2021	20:14:57	S	3404.58	W	736.85	10.9	4.6	2.3	55.1	56.3	-0.1	-0.3	316.2	8.12	107.8
04.21.2021	20:15:57	S	3404.59	W	736.6	10.3	4.6	2.2	52.3	55.7	-0.0	-0.4	312.9	8.12	107.8

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	20:16:57	S	3404.59	W	736.35	10.2	4.6	2.1	52.2	55.2	-0.1	-0.3	315.4	8.14	107.9
04.21.2021	20:17:57	S	3404.59	W	736.11	11.0	4.6	2.3	54.6	56.0	0.0	-0.2	321.6	8.14	107.6
04.21.2021	20:18:57	S	3404.6	W	735.86	13.7	4.6	2.9	54.2	57.3	-0.1	-0.3	321.4	8.17	107.8
04.21.2021	20:19:57	S	3404.6	W	735.62	12.2	4.5	2.6	49.2	55.7	-0.0	-0.2	321.9	8.14	107.6
04.21.2021	20:20:56	S	3404.61	W	735.37	10.8	4.6	2.3	53.0	56.8	0.0	-0.2	322.3	8.16	107.8
04.21.2021	20:21:56	S	3404.61	W	735.12	11.4	4.6	2.5	56.1	57.3	-0.0	-0.3	322.9	8.14	107.6
04.21.2021	20:22:56	S	3404.62	W	734.87	12.2	4.6	2.6	58.6	57.2	-0.0	-0.3	322.0	8.16	107.9
04.21.2021	20:23:56	S	3404.63	W	734.61	10.9	4.6	2.3	55.0	56.1	-0.1	-0.3	321.8	8.16	107.8
04.21.2021	20:24:56	S	3404.63	W	734.38	11.4	4.6	2.4	55.4	57.7	0.0	-0.2	321.7	8.17	107.0
04.21.2021	20:25:56	S	3404.64	W	734.11	8.7	4.6	1.8	52.4	56.7	-0.0	-0.3	320.6	8.13	107.2
04.21.2021	20:26:56	S	3404.66	W	733.85	11.0	4.6	2.3	52.2	56.8	-0.1	-0.3	318.6	8.18	107.2
04.21.2021	20:27:56	S	3404.67	W	733.62	9.0	4.6	1.9	51.1	63.7	-0.0	-0.2	316.5	8.14	107.6
04.21.2021	20:28:56	S	3404.68	W	733.35	11.4	4.6	2.4	52.7	63.0	0.0	-0.2	317.1	8.16	107.8
04.21.2021	20:29:56	S	3404.68	W	733.14	10.0	4.6	2.1	56.5	63.6	-0.0	-0.2	315.2	8.17	107.8
04.21.2021	20:30:52	S	3404.68	W	732.9	6.7	4.7	1.4	49.5	64.8	-0.0	-0.3	314.9	8.15	107.8
04.21.2021	20:31:52	S	3404.7	W	732.66	12.2	4.6	2.6	50.8	63.4	-0.1	-0.3	317.0	8.15	107.8
04.21.2021	20:32:52	S	3404.72	W	732.4	9.0	4.6	1.9	52.2	63.7	-0.1	-0.3	319.7	8.16	107.4
04.21.2021	20:33:52	S	3404.73	W	732.14	12.1	4.6	2.6	49.3	62.0	-0.1	-0.4	322.6	8.18	107.2
04.21.2021	20:34:52	S	3404.74	W	731.91	12.0	4.6	2.6	50.7	63.2	-0.1	-0.3	322.4	8.12	107.8
04.21.2021	20:35:52	S	3404.74	W	731.83	12.8	4.6	2.8	45.6	63.1	-0.1	-0.3	321.3	8.18	107.9
04.21.2021	20:36:52	S	3404.76	W	731.43	10.7	4.6	2.3	54.1	63.9	-0.1	-0.3	322.3	8.18	107.9
04.21.2021	20:37:52	S	3404.77	W	731.19	12.5	4.6	2.7	55.4	64.1	-0.1	-0.3	321.8	8.18	107.9
04.21.2021	20:38:52	S	3404.79	W	730.94	11.1	4.6	2.4	51.6	63.3	-0.1	-0.3	320.8	8.16	107.9
04.21.2021	20:39:52	S	3404.8	W	730.7	11.0	4.6	2.3	53.1	64.7	-0.1	-0.3	322.4	8.16	107.6
04.21.2021	20:40:53	S	3404.81	W	730.43	11.0	4.6	2.3	51.2	63.0	0.0	-0.2	319.5	8.13	107.6
04.21.2021	20:41:53	S	3404.82	W	730.21	9.0	4.6	1.9	54.0	63.6	-0.1	-0.3	317.1	8.16	107.0
04.21.2021	20:42:53	S	3404.83	W	729.94	12.4	4.7	2.6	51.7	56.7	-0.1	-0.3	317.8	8.16	107.9
04.21.2021	20:43:53	S	3404.85	W	729.7	8.7	4.6	1.9	49.2	57.4	-0.0	-0.3	316.9	8.17	107.4
04.21.2021	20:44:53	S	3404.85	W	729.46	10.8	4.6	2.3	52.2	56.2	0.0	-0.3	315.2	8.14	107.2
04.21.2021	20:45:53	S	3404.85	W	729.22	11.7	4.7	2.4	49.3	56.2	-0.1	-0.3	313.4	8.16	107.3
04.21.2021	20:46:53	S	3404.87	W	728.98	11.4	4.6	2.4	52.7	56.2	-0.1	-0.3	313.2	8.16	107.9
04.21.2021	20:47:53	S	3404.89	W	728.73	9.4	4.6	2.0	52.1	56.5	-0.0	-0.3	319.0	8.16	107.8
04.21.2021	20:48:53	S	3404.91	W	728.5	10.4	4.6	2.2	55.3	55.8	-0.0	-0.2	319.8	8.18	107.2
04.21.2021	20:49:53	S	3404.92	W	728.29	12.9	4.6	2.8	46.5	56.5	-0.1	-0.4	321.7	8.13	107.2
04.21.2021	20:50:54	S	3404.94	W	728.02	10.4	4.6	2.2	54.6	56.5	-0.0	-0.2	321.7	8.16	107.9
04.21.2021	20:51:54	S	3404.96	W	727.77	11.6	4.7	2.4	54.0	56.8	-0.1	-0.3	322.7	8.13	107.6
04.21.2021	20:52:54	S	3404.98	W	727.53	14.2	4.6	3.0	54.9	56.9	-0.1	-0.3	322.7	8.14	107.2
04.21.2021	20:53:54	S	3404.99	W	727.31	11.8	4.6	2.5	52.4	57.0	0.0	-0.2	321.8	8.14	107.2

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	20:54:54	S	3405	W	727.07	12.4	4.6	2.7	52.9	56.3	-0.0	-0.3	321.1	8.13	107.9	
04.21.2021	20:55:54	S	3405.01	W	726.86	11.0	4.7	2.4	53.9	56.7	-0.0	-0.2	320.4	8.13	107.2	
04.21.2021	20:56:54	S	3405.02	W	726.6	10.2	4.6	2.1	55.1	57.2	-0.1	-0.3	318.4	8.13	107.6	
04.21.2021	20:57:54	S	3405.04	W	726.35	12.0	4.6	2.6	56.5	56.8	-0.0	-0.3	321.0	8.13	107.9	
04.21.2021	20:58:54	S	3405.06	W	726.12	11.0	4.6	2.3	52.3	59.1	0.1	-0.2	315.9	8.15	107.8	
04.21.2021	20:59:54	S	3405.08	W	725.88	11.6	4.6	2.5	48.6	58.9	-0.1	-0.3	318.9	8.13	107.9	
04.21.2021	21:00:52	S	3405.1	W	725.64	10.9	4.5	2.4	53.5	58.3	-0.1	-0.3	314.8	8.16	107.6	
04.21.2021	21:01:52	S	3405.1	W	725.4	11.0	4.7	2.3	55.5	58.8	-0.1	-0.3	317.6	8.13	107.9	
04.21.2021	21:02:52	S	3405.11	W	725.16	12.1	4.7	2.6	52.2	57.8	0.0	-0.2	313.6	8.15	107.6	
04.21.2021	21:03:52	S	3405.12	W	724.9	12.6	4.6	2.7	52.6	56.2	-0.1	-0.4	315.0	8.15	107.6	
04.21.2021	21:04:52	S	3405.13	W	724.66	9.6	4.6	2.1	53.0	55.3	-0.0	-0.3	317.0	8.15	107.2	
04.21.2021	21:05:52	S	3405.13	W	724.43	12.3	4.7	2.6	56.0	55.9	0.0	-0.3	320.1	8.17	107.0	
04.21.2021	21:06:52	S	3405.15	W	724.17	10.2	4.6	2.1	52.8	57.7	-0.2	-0.4	321.7	8.14	107.0	
04.21.2021	21:07:52	S	3405.16	W	723.95	9.4	4.6	2.0	51.2	56.5	-0.1	-0.4	323.4	8.16	107.2	
04.21.2021	21:08:52	S	3405.17	W	723.69	10.5	4.6	2.2	57.4	58.1	0.1	-0.2	322.5	8.15	107.6	
04.21.2021	21:09:52	S	3405.19	W	723.46	12.1	4.7	2.5	55.3	57.7	-0.1	-0.4	321.4	8.13	107.9	
04.21.2021	21:10:59	S	3405.21	W	723.23	11.4	4.5	2.5	53.7	56.3	-0.1	-0.3	321.9	8.13	107.9	
04.21.2021	21:11:59	S	3405.23	W	722.96	14.0	4.6	3.0	50.8	57.0	-0.0	-0.2	320.9	8.15	107.2	
04.21.2021	21:12:59	S	3405.24	W	722.73	11.0	4.6	2.3	53.4	56.9	-0.0	-0.3	321.8	8.17	107.2	
04.21.2021	21:13:59	S	3405.25	W	722.48	13.5	4.6	2.9	52.9	56.6	0.0	-0.2	321.3	8.17	107.0	
04.21.2021	21:14:59	S	3405.26	W	722.23	12.0	4.7	2.5	47.1	56.0	0.0	-0.2	319.7	8.17	107.0	
04.21.2021	21:15:59	S	3405.27	W	722	10.8	4.6	2.3	54.1	56.9	-0.1	-0.3	317.8	8.17	107.0	
04.21.2021	21:16:59	S	3405.28	W	721.78	12.0	4.6	2.6	53.0	62.6	0.0	-0.2	316.4	8.17	107.0	
04.21.2021	21:17:59	S	3405.3	W	721.52	11.0	4.6	2.3	48.6	62.8	-0.1	-0.3	316.4	8.18	107.8	
04.21.2021	21:18:59	S	3405.31	W	721.28	11.0	4.6	2.3	54.6	62.9	0.0	-0.3	315.9	8.15	107.2	
04.21.2021	21:19:59	S	3405.32	W	721.02	10.6	4.5	2.3	54.1	62.3	-0.1	-0.3	316.6	8.13	107.9	
04.21.2021	21:20:52	S	3405.33	W	720.78	12.3	4.6	2.7	51.4	62.7	-0.1	-0.3	320.3	8.17	107.9	
04.21.2021	21:21:52	S	3405.34	W	720.56	9.2	4.6	1.9	52.6	62.6	-0.0	-0.3	320.8	8.16	107.8	
04.21.2021	21:22:52	S	3405.34	W	720.29	15.4	4.6	3.3	47.3	63.8	0.0	-0.3	322.2	8.18	107.0	
04.21.2021	21:23:52	S	3405.35	W	720.07	13.5	4.6	2.9	53.2	64.8	-0.1	-0.3	323.2	8.12	107.5	
04.21.2021	21:24:52	S	3405.37	W	719.81	11.6	4.6	2.5	53.3	65.4	-0.0	-0.3	323.2	8.15	107.6	
04.21.2021	21:25:52	S	3405.37	W	719.58	11.4	4.6	2.4	47.3	63.0	-0.0	-0.3	321.7	8.17	107.9	
04.21.2021	21:26:52	S	3405.38	W	719.36	13.2	4.6	2.8	51.1	64.2	-0.1	-0.3	322.5	8.16	107.9	
04.21.2021	21:27:52	S	3405.39	W	719.12	10.9	4.5	2.4	45.4	63.6	0.0	-0.2	321.6	8.17	107.0	
04.21.2021	21:28:52	S	3405.39	W	718.88	14.0	4.6	3.0	55.2	64.1	-0.2	-0.4	320.7	8.18	107.0	
04.21.2021	21:29:52	S	3405.4	W	718.61	11.5	4.6	2.5	51.7	64.1	-0.1	-0.4	318.9	8.13	107.8	
04.21.2021	21:30:52	S	3405.41	W	718.36	11.9	4.6	2.6	54.1	64.4	-0.0	-0.2	318.5	8.16	107.6	
04.21.2021	21:31:52	S	3405.42	W	718.13	11.6	4.5	2.5	54.0	63.9	-0.0	-0.3	318.2	8.17	107.9	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	21:32:52	S	3405.43	W	717.9	12.3	4.6	2.7	54.2	56.8	-0.0	-0.2	314.5	8.18	107.8
04.21.2021	21:33:52	S	3405.44	W	717.65	12.2	4.6	2.6	54.7	56.4	0.0	-0.2	315.5	8.15	107.9
04.21.2021	21:34:52	S	3405.45	W	717.39	12.4	4.5	2.7	59.3	57.2	-0.1	-0.3	316.8	8.17	107.9
04.21.2021	21:35:52	S	3405.46	W	717.13	11.6	4.6	2.5	51.4	57.4	-0.1	-0.3	315.0	8.17	107.9
04.21.2021	21:36:52	S	3405.47	W	716.93	11.4	4.5	2.5	45.1	55.7	0.0	-0.2	322.2	8.17	107.9
04.21.2021	21:37:52	S	3405.48	W	716.66	9.4	4.6	2.0	54.2	56.5	-0.1	-0.3	320.9	8.17	107.0
04.21.2021	21:38:52	S	3405.48	W	716.45	10.0	4.6	2.1	57.9	57.0	0.1	-0.3	323.1	8.18	107.0
04.21.2021	21:39:52	S	3405.49	W	716.19	9.8	4.6	2.1	50.4	56.3	-0.0	-0.3	322.6	8.18	107.0
04.21.2021	21:40:57	S	3405.5	W	715.96	10.1	4.6	2.1	52.1	56.9	-0.1	-0.2	321.6	8.17	107.9
04.21.2021	21:41:57	S	3405.51	W	715.7	9.0	4.5	2.0	50.2	57.4	-0.0	-0.2	320.3	8.13	107.3
04.21.2021	21:42:57	S	3405.51	W	715.44	11.9	4.6	2.6	53.7	58.2	0.0	-0.2	322.6	8.16	107.3
04.21.2021	21:43:57	S	3405.51	W	715.19	14.0	4.6	3.0	50.0	57.0	-0.1	-0.4	319.3	8.17	107.9
04.21.2021	21:44:57	S	3405.52	W	714.99	12.1	4.6	2.6	52.7	57.4	-0.0	-0.3	322.8	8.16	107.9
04.21.2021	21:45:57	S	3405.53	W	714.7	11.4	4.5	2.5	53.7	58.4	-0.1	-0.4	316.3	8.17	107.9
04.21.2021	21:46:57	S	3405.53	W	714.5	11.0	4.6	2.3	56.0	58.8	-0.0	-0.3	317.6	8.13	107.8
04.21.2021	21:47:57	S	3405.53	W	714.23	11.4	4.6	2.4	53.7	57.1	-0.2	-0.3	314.2	8.13	107.0
04.21.2021	21:48:57	S	3405.54	W	713.99	12.2	4.6	2.6	53.3	60.3	0.0	-0.2	317.3	8.17	107.9
04.21.2021	21:49:57	S	3405.55	W	713.75	13.4	4.6	2.9	48.3	57.6	0.0	-0.3	313.4	8.13	107.9
04.21.2021	21:50:59	S	3405.56	W	713.51	10.3	4.5	2.3	51.0	58.4	-0.0	-0.3	317.3	8.13	107.9
04.21.2021	21:51:59	S	3405.56	W	713.23	9.9	4.6	2.1	53.1	59.1	-0.0	-0.2	314.1	8.13	107.9
04.21.2021	21:52:59	S	3405.56	W	713.01	10.2	4.6	2.1	53.5	57.0	-0.0	-0.2	322.4	8.17	107.9
04.21.2021	21:53:59	S	3405.57	W	712.79	11.9	4.6	2.6	52.3	57.0	0.0	-0.3	320.7	8.15	107.2
04.21.2021	21:54:59	S	3405.57	W	712.53	12.1	4.6	2.6	52.9	58.7	0.0	-0.2	321.4	8.18	107.2
04.21.2021	21:55:59	S	3405.58	W	712.3	13.3	4.6	2.9	50.7	57.5	-0.1	-0.3	322.8	8.17	107.9
04.21.2021	21:56:59	S	3405.58	W	712.04	9.1	4.6	1.9	50.6	57.6	-0.1	-0.4	321.8	8.17	107.9
04.21.2021	21:57:59	S	3405.58	W	711.82	12.5	4.6	2.7	50.5	57.3	-0.1	-0.3	322.9	8.17	107.9
04.21.2021	21:58:59	S	3405.58	W	711.6	8.0	4.6	1.7	56.0	58.6	-0.1	-0.4	321.8	8.15	107.6
04.21.2021	21:59:59	S	3405.58	W	711.37	12.0	4.6	2.6	52.2	64.9	-0.1	-0.3	320.7	8.17	107.9
04.21.2021	22:00:57	S	3405.58	W	711.12	11.6	4.6	2.5	52.7	66.2	-0.0	-0.3	320.4	8.17	107.9
04.21.2021	22:01:57	S	3405.59	W	710.86	11.2	4.6	2.4	52.1	66.0	-0.1	-0.4	319.9	8.17	107.9
04.21.2021	22:02:57	S	3405.59	W	710.6	13.9	4.6	3.0	55.1	66.5	-0.0	-0.2	320.3	8.16	107.0
04.21.2021	22:03:57	S	3405.6	W	710.38	11.8	4.6	2.6	52.9	66.2	0.0	-0.2	318.4	8.18	107.2
04.21.2021	22:04:57	S	3405.6	W	710.12	12.3	4.6	2.7	45.8	64.7	-0.1	-0.3	318.0	8.13	107.9
04.21.2021	22:05:57	S	3405.6	W	709.91	10.7	4.6	2.2	54.5	63.6	0.0	-0.2	314.9	8.13	107.9
04.21.2021	22:06:57	S	3405.61	W	709.67	8.4	4.6	1.8	53.9	63.3	-0.0	-0.3	315.6	8.16	107.6
04.21.2021	22:07:57	S	3405.62	W	709.42	10.0	4.6	2.1	54.8	63.2	-0.1	-0.3	318.1	8.13	107.9
04.21.2021	22:08:57	S	3405.63	W	709.2	12.0	4.6	2.6	54.2	63.0	-0.1	-0.3	321.0	8.13	107.6
04.21.2021	22:09:57	S	3405.66	W	708.97	11.7	4.6	2.5	59.8	63.8	-0.0	-0.3	321.8	8.16	107.3

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	22:10:54	S	3405.68	W	708.72	13.0	4.5	2.8	49.8	63.1	-0.1	-0.3	320.9	8.17	107.4	
04.21.2021	22:11:54	S	3405.69	W	708.51	13.3	4.6	2.9	51.4	64.4	-0.1	-0.3	321.9	8.14	107.2	
04.21.2021	22:12:54	S	3405.7	W	708.28	10.6	4.6	2.2	49.2	63.6	-0.1	-0.3	322.6	8.13	107.2	
04.21.2021	22:13:54	S	3405.71	W	708.02	11.6	4.6	2.5	58.1	66.8	-0.0	-0.3	321.9	8.15	107.8	
04.21.2021	22:14:54	S	3405.72	W	707.81	13.2	4.6	2.8	57.0	66.5	-0.1	-0.3	322.6	8.18	107.3	
04.21.2021	22:15:54	S	3405.73	W	707.58	10.5	4.6	2.3	48.5	65.2	0.0	-0.2	322.1	8.18	107.3	
04.21.2021	22:16:54	S	3405.74	W	707.36	11.7	4.6	2.5	53.4	64.5	0.0	-0.2	321.9	8.15	107.5	
04.21.2021	22:17:54	S	3405.76	W	707.1	10.7	4.6	2.2	53.2	64.5	-0.0	-0.3	319.1	8.14	107.6	
04.21.2021	22:18:54	S	3405.77	W	706.85	12.0	4.6	2.6	52.9	66.4	-0.1	-0.3	315.8	8.14	107.2	
04.21.2021	22:19:54	S	3405.79	W	706.62	9.8	4.6	2.1	54.8	56.9	-0.1	-0.3	317.5	8.14	107.2	
04.21.2021	22:20:53	S	3405.8	W	706.41	10.8	4.6	2.3	52.5	57.0	-0.1	-0.3	314.4	8.14	107.2	
04.21.2021	22:21:53	S	3405.8	W	706.36	13.9	4.6	3.0	55.8	57.1	-0.0	-0.3	315.2	8.18	107.3	
04.21.2021	22:22:53	S	3405.85	W	705.94	10.4	4.5	2.3	59.5	59.3	-0.1	-0.3	316.5	8.12	107.4	
04.21.2021	22:23:53	S	3405.87	W	705.7	12.0	4.5	2.6	52.2	57.1	0.0	-0.3	320.5	8.14	107.6	
04.21.2021	22:24:53	S	3405.89	W	705.45	12.2	4.5	2.6	56.0	56.4	-0.1	-0.4	319.6	8.16	107.0	
04.21.2021	22:25:53	S	3405.9	W	705.23	11.0	4.6	2.3	51.0	57.3	-0.0	-0.3	321.9	8.16	107.9	
04.21.2021	22:26:53	S	3405.91	W	705.02	8.6	4.6	1.8	54.4	56.9	0.0	-0.2	322.1	8.16	107.9	
04.21.2021	22:27:53	S	3405.93	W	704.74	11.4	4.6	2.4	51.5	57.4	0.0	-0.2	322.4	8.13	107.6	
04.21.2021	22:28:53	S	3405.94	W	704.51	11.0	4.6	2.4	51.8	58.7	-0.0	-0.3	322.4	8.16	107.9	
04.21.2021	22:29:53	S	3405.95	W	704.33	11.6	4.6	2.5	58.0	58.3	-0.0	-0.3	321.8	8.13	107.9	
04.21.2021	22:30:56	S	3405.97	W	704.07	9.8	4.6	2.1	52.7	58.3	-0.1	-0.3	322.5	8.16	107.9	
04.21.2021	22:31:56	S	3405.99	W	703.84	10.4	4.5	2.3	50.3	57.3	-0.1	-0.3	321.6	8.16	107.9	
04.21.2021	22:32:56	S	3406	W	703.59	11.9	4.6	2.5	49.1	57.9	0.0	-0.2	318.7	8.13	107.9	
04.21.2021	22:33:56	S	3406.01	W	703.35	11.0	4.6	2.4	54.5	58.0	-0.0	-0.2	319.1	8.16	107.9	
04.21.2021	22:34:56	S	3406.02	W	703.14	10.5	4.6	2.2	55.8	57.9	-0.0	-0.2	315.0	8.13	107.9	
04.21.2021	22:35:56	S	3406.04	W	702.89	10.4	4.6	2.2	51.6	57.1	0.0	-0.2	320.1	8.16	107.8	
04.21.2021	22:36:56	S	3406.06	W	702.64	11.8	4.5	2.5	54.4	57.0	-0.1	-0.3	313.8	8.17	107.2	
04.21.2021	22:37:56	S	3406.09	W	702.4	13.0	4.6	2.8	48.1	58.8	0.0	-0.2	317.1	8.16	107.9	
04.21.2021	22:38:56	S	3406.1	W	702.18	10.7	4.5	2.3	53.5	56.5	-0.1	-0.3	318.4	8.13	107.9	
04.21.2021	22:39:56	S	3406.12	W	701.95	7.6	4.6	1.6	55.8	57.0	0.0	-0.2	319.7	8.16	107.9	
04.21.2021	22:40:54	S	3406.13	W	701.71	10.1	4.6	2.1	54.4	57.5	0.0	-0.2	319.7	8.13	107.9	
04.21.2021	22:41:54	S	3406.15	W	701.46	11.6	4.6	2.5	50.4	58.1	-0.1	-0.3	321.3	8.16	107.9	
04.21.2021	22:42:54	S	3406.16	W	701.23	10.4	4.5	2.3	56.7	58.8	-0.0	-0.3	322.5	8.16	107.9	
04.21.2021	22:43:54	S	3406.18	W	701	9.5	4.6	2.0	54.8	64.4	-0.1	-0.3	321.8	8.16	107.9	
04.21.2021	22:44:54	S	3406.2	W	700.77	10.0	4.6	2.1	52.6	63.8	0.0	-0.2	322.5	8.13	107.9	
04.21.2021	22:45:54	S	3406.22	W	700.55	10.1	4.5	2.2	53.9	64.7	-0.1	-0.4	321.9	8.17	107.6	
04.21.2021	22:46:54	S	3406.24	W	700.33	10.0	4.6	2.1	56.5	64.0	-0.1	-0.3	321.8	8.14	107.2	
04.21.2021	22:47:54	S	3406.25	W	700.1	10.0	4.6	2.1	51.5	63.4	-0.1	-0.3	323.7	8.13	107.9	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	22:48:54	S	3406.27	W	659.86	9.4	4.5	2.1	49.5	66.6	-0.1	-0.3	319.4	8.13	107.9
04.21.2021	22:49:54	S	3406.28	W	659.62	11.8	4.5	2.6	55.3	65.9	0.1	-0.2	319.7	8.13	107.9
04.21.2021	22:50:53	S	3406.3	W	659.41	11.0	4.6	2.3	52.1	65.8	-0.1	-0.3	317.5	8.13	107.9
04.21.2021	22:51:53	S	3406.32	W	659.15	11.5	4.5	2.5	56.0	65.9	-0.1	-0.3	317.0	8.16	107.9
04.21.2021	22:52:53	S	3406.33	W	658.92	10.8	4.6	2.3	53.9	63.8	-0.0	-0.3	316.4	8.16	107.9
04.21.2021	22:53:53	S	3406.35	W	658.71	11.8	4.5	2.6	50.8	63.8	-0.0	-0.3	315.8	8.17	107.2
04.21.2021	22:54:53	S	3406.35	W	658.47	11.0	4.5	2.4	52.0	67.2	0.0	-0.2	315.2	8.13	107.9
04.21.2021	22:55:53	S	3406.36	W	658.25	9.6	4.6	2.0	49.8	66.2	0.0	-0.2	318.7	8.16	107.9
04.21.2021	22:56:53	S	3406.37	W	658.01	12.8	4.6	2.8	52.1	63.4	0.0	-0.2	319.9	8.13	107.9
04.21.2021	22:57:53	S	3406.37	W	657.75	12.8	4.6	2.8	51.7	65.9	-0.0	-0.3	322.7	8.17	107.4
04.21.2021	22:58:53	S	3406.37	W	657.54	13.4	4.6	2.9	53.1	66.1	0.0	-0.2	322.8	8.13	107.9
04.21.2021	22:59:53	S	3406.38	W	657.28	13.8	4.6	3.0	53.4	64.8	0.0	-0.2	322.5	8.13	107.9
04.21.2021	23:00:57	S	3406.39	W	657.04	13.5	4.6	2.9	55.0	64.8	0.0	-0.2	322.5	8.13	107.9
04.21.2021	23:01:57	S	3406.4	W	656.83	12.6	4.6	2.7	54.1	64.5	0.0	-0.2	321.4	8.16	107.9
04.21.2021	23:02:57	S	3406.41	W	656.6	14.8	4.6	3.2	54.8	64.8	0.0	-0.2	323.4	8.13	107.9
04.21.2021	23:03:57	S	3406.42	W	656.37	11.4	4.6	2.4	54.2	57.6	0.0	-0.3	321.6	8.15	107.2
04.21.2021	23:04:57	S	3406.44	W	656.1	15.2	4.6	3.2	51.0	58.2	-0.1	-0.3	319.2	8.13	107.9
04.21.2021	23:05:57	S	3406.46	W	655.89	11.6	4.6	2.5	50.7	58.0	-0.0	-0.3	318.5	8.18	107.8
04.21.2021	23:06:57	S	3406.47	W	655.66	11.0	4.5	2.4	48.3	57.0	-0.1	-0.2	318.2	8.16	107.9
04.21.2021	23:07:57	S	3406.47	W	655.41	8.4	4.6	1.8	50.2	58.0	0.0	-0.2	315.9	8.16	107.9
04.21.2021	23:08:57	S	3406.46	W	655.2	10.6	4.6	2.2	55.1	58.0	0.0	-0.3	314.8	8.13	107.9
04.21.2021	23:09:57	S	3406.46	W	654.95	13.5	4.6	2.9	54.5	56.7	-0.1	-0.3	314.0	8.13	107.6
04.21.2021	23:10:55	S	3406.47	W	654.74	10.0	4.6	2.1	54.4	56.7	-0.1	-0.3	317.1	8.15	107.2
04.21.2021	23:11:55	S	3406.48	W	654.47	11.1	4.6	2.3	49.9	56.8	-0.0	-0.2	320.5	8.14	107.2
04.21.2021	23:12:55	S	3406.49	W	654.23	11.2	4.5	2.4	52.8	59.2	-0.0	-0.3	320.0	8.16	107.9
04.21.2021	23:13:55	S	3406.5	W	654.01	9.8	4.5	2.2	52.0	56.5	-0.1	-0.3	321.2	8.14	107.2
04.21.2021	23:14:55	S	3406.51	W	653.79	10.3	4.6	2.2	53.3	57.3	-0.1	-0.3	322.5	8.14	107.2
04.21.2021	23:15:55	S	3406.51	W	653.54	11.9	4.5	2.6	51.1	58.5	-0.1	-0.3	321.5	8.14	107.2
04.21.2021	23:16:55	S	3406.51	W	653.3	10.8	4.6	2.3	54.4	57.3	-0.1	-0.3	322.3	8.14	107.2
04.21.2021	23:17:55	S	3406.51	W	653.08	9.8	4.6	2.1	54.9	62.1	0.0	-0.2	322.1	8.14	107.2
04.21.2021	23:18:55	S	3406.51	W	652.86	10.0	4.5	2.2	51.2	60.7	-0.1	-0.3	321.5	8.14	107.2
04.21.2021	23:19:55	S	3406.52	W	652.59	10.1	4.6	2.1	53.9	56.7	-0.1	-0.3	321.9	8.14	107.2
04.21.2021	23:20:52	S	3406.52	W	652.4	10.4	4.6	2.2	53.4	57.7	-0.0	-0.2	321.5	8.14	107.2
04.21.2021	23:21:52	S	3406.52	W	652.17	10.8	4.5	2.4	52.7	57.3	0.0	-0.2	317.3	8.14	107.2
04.21.2021	23:22:52	S	3406.53	W	651.92	11.6	4.6	2.5	55.5	57.8	-0.0	-0.2	318.6	8.14	107.2
04.21.2021	23:23:52	S	3406.53	W	651.69	10.4	4.5	2.3	47.3	56.4	-0.1	-0.3	316.0	8.13	107.4
04.21.2021	23:24:52	S	3406.53	W	651.44	12.8	4.5	2.8	51.8	57.4	0.0	-0.2	317.8	8.14	107.2
04.21.2021	23:25:52	S	3406.52	W	651.21	12.5	4.6	2.7	49.5	56.4	-0.0	-0.3	313.1	8.18	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.21.2021	23:26:52	S	3406.52	W	650.99	11.0	4.6	2.3	56.3	57.7	-0.1	-0.3	315.5	8.14	107.2
04.21.2021	23:27:52	S	3406.53	W	650.75	13.7	4.5	3.0	55.1	63.9	-0.0	-0.3	320.1	8.14	107.2
04.21.2021	23:28:52	S	3406.54	W	650.51	11.3	4.5	2.5	53.5	65.5	0.1	-0.2	320.9	8.14	107.2
04.21.2021	23:29:52	S	3406.55	W	650.29	10.4	4.5	2.3	54.7	63.9	-0.1	-0.3	322.1	8.14	107.2
04.21.2021	23:30:52	S	3406.55	W	650.08	10.4	4.6	2.2	50.9	63.3	-0.1	-0.4	322.3	8.14	107.2
04.21.2021	23:31:52	S	3406.56	W	649.82	8.8	4.6	1.9	54.5	63.7	-0.0	-0.2	322.2	8.14	107.2
04.21.2021	23:32:52	S	3406.56	W	649.58	12.1	4.6	2.6	54.5	65.2	-0.0	-0.3	323.0	8.14	107.2
04.21.2021	23:33:52	S	3406.57	W	649.37	10.8	4.6	2.3	54.8	64.9	0.0	-0.2	323.2	8.18	107.2
04.21.2021	23:34:52	S	3406.58	W	649.14	14.0	4.5	3.1	52.4	64.7	0.1	-0.2	322.5	8.14	107.2
04.21.2021	23:35:52	S	3406.58	W	648.9	10.3	4.5	2.3	52.1	64.2	-0.0	-0.2	322.8	8.18	107.2
04.21.2021	23:36:52	S	3406.59	W	648.65	13.3	4.6	2.9	56.4	64.8	-0.1	-0.3	319.8	8.14	107.2
04.21.2021	23:37:52	S	3406.59	W	648.41	11.9	4.5	2.6	53.6	64.6	-0.1	-0.3	320.3	8.18	107.2
04.21.2021	23:38:52	S	3406.6	W	648.21	7.6	4.6	1.6	46.6	64.0	-0.0	-0.3	320.3	8.14	107.2
04.21.2021	23:39:52	S	3406.6	W	647.96	11.4	4.5	2.5	54.2	64.1	-0.1	-0.3	316.4	8.14	107.2
04.21.2021	23:40:56	S	3406.6	W	647.76	10.3	4.6	2.2	53.7	64.2	-0.0	-0.3	315.9	8.14	107.2
04.21.2021	23:41:56	S	3406.6	W	647.52	11.4	4.5	2.5	56.3	64.7	0.0	-0.2	313.8	8.14	107.2
04.21.2021	23:42:56	S	3406.6	W	647.29	14.2	4.6	3.0	57.0	65.0	-0.1	-0.3	319.5	8.17	107.4
04.21.2021	23:43:56	S	3406.6	W	647.03	11.1	4.6	2.4	51.8	65.0	-0.1	-0.4	318.8	8.14	107.2
04.21.2021	23:44:56	S	3406.61	W	646.82	9.8	4.6	2.1	50.1	63.7	-0.1	-0.3	321.7	8.16	107.2
04.21.2021	23:45:56	S	3406.62	W	646.56	11.5	4.5	2.5	56.8	64.3	-0.0	-0.3	321.6	8.14	107.2
04.21.2021	23:46:56	S	3406.62	W	646.37	11.8	4.5	2.6	55.1	65.2	0.0	-0.2	321.9	8.16	107.2
04.21.2021	23:47:56	S	3406.63	W	646.14	9.2	4.5	2.0	54.7	65.1	-0.0	-0.3	321.8	8.14	107.2
04.21.2021	23:48:56	S	3406.63	W	645.87	12.5	4.6	2.7	55.7	65.9	0.0	-0.2	322.1	8.14	107.2
04.21.2021	23:49:56	S	3406.65	W	645.63	11.4	4.6	2.4	55.7	65.1	-0.1	-0.3	321.6	8.14	107.2
04.21.2021	23:50:58	S	3406.66	W	645.44	12.0	4.6	2.6	55.5	61.1	-0.1	-0.3	322.3	8.14	107.2
04.21.2021	23:51:58	S	3406.68	W	645.18	12.4	4.5	2.7	51.2	60.4	-0.0	-0.3	319.7	8.14	107.2
04.21.2021	23:52:58	S	3406.69	W	644.99	11.3	4.5	2.5	53.3	60.6	0.0	-0.2	316.7	8.14	107.2
04.21.2021	23:53:58	S	3406.7	W	644.73	10.8	4.5	2.4	56.9	61.7	-0.1	-0.3	319.9	8.16	107.2
04.21.2021	23:54:58	S	3406.7	W	644.48	10.8	4.6	2.3	52.0	57.0	-0.0	-0.2	315.8	8.14	107.2
04.21.2021	23:55:58	S	3406.71	W	644.25	9.0	4.6	1.9	55.8	57.9	-0.0	-0.2	314.2	8.17	107.4
04.21.2021	23:56:58	S	3406.71	W	644.04	13.2	4.6	2.8	54.9	56.8	0.0	-0.2	313.8	8.13	107.4
04.21.2021	23:57:58	S	3406.72	W	643.82	10.8	4.6	2.3	54.6	56.4	-0.1	-0.3	318.3	8.17	107.4
04.21.2021	23:58:58	S	3406.73	W	643.57	12.6	4.5	2.7	53.6	56.5	-0.1	-0.3	313.3	8.14	107.2
04.21.2021	23:59:58	S	3406.74	W	643.32	12.1	4.6	2.6	57.4	57.5	0.0	-0.2	318.5	8.14	107.2

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	00:00:53	S	3352.88	W	1232.66	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.67	0.72
04.21.2021	00:01:53	S	3352.88	W	1232.45	2.8	3.92	139	3.19	35.4	4.3	1.5	20.5	3.78	0.77
04.21.2021	00:02:53	S	3352.89	W	1232.2	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.66	0.75
04.21.2021	00:03:53	S	3352.89	W	1231.98	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.67	0.74
04.21.2021	00:04:53	S	3352.89	W	1231.73	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.64	0.75
04.21.2021	00:05:53	S	3352.89	W	1231.49	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.70	0.72
04.21.2021	00:06:53	S	3352.89	W	1231.28	2.8	3.92	139	3.19	35.4	4.4	1.5	20.7	3.81	0.78
04.21.2021	00:07:53	S	3352.9	W	1231.02	2.8	3.92	139	3.19	35.4	4.3	1.5	20.6	3.76	0.73
04.21.2021	00:08:53	S	3352.9	W	1230.79	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.74	0.76
04.21.2021	00:09:53	S	3352.9	W	1230.54	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.74	0.72
04.21.2021	00:10:46	S	3352.9	W	1230.31	2.8	3.92	139	3.19	35.4	4.3	1.5	20.8	3.79	0.74
04.21.2021	00:11:46	S	3352.91	W	1230.07	2.8	3.92	139	3.19	35.4	4.2	1.5	20.6	3.80	0.74
04.21.2021	00:12:46	S	3352.91	W	1229.87	2.8	3.92	139	3.19	35.4	4.2	1.5	20.5	3.74	0.76
04.21.2021	00:13:46	S	3352.92	W	1229.6	2.8	3.92	139	3.19	35.4	4.2	1.5	20.6	3.75	0.75
04.21.2021	00:14:46	S	3352.92	W	1229.39	2.8	3.92	139	3.19	35.4	4.2	1.4	20.7	3.74	0.73
04.21.2021	00:15:46	S	3352.91	W	1229.14	2.8	3.92	139	3.19	35.4	4.3	1.4	20.7	3.76	0.75
04.21.2021	00:16:46	S	3352.92	W	1228.89	2.8	3.92	139	3.19	35.4	4.3	1.4	20.6	3.72	0.74
04.21.2021	00:17:46	S	3352.92	W	1228.67	2.8	3.92	139	3.19	35.4	4.4	1.4	20.4	3.75	0.78
04.21.2021	00:18:46	S	3352.92	W	1228.41	2.8	3.92	139	3.19	35.4	4.4	1.4	20.5	3.61	0.71
04.21.2021	00:19:46	S	3352.92	W	1228.18	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.73	0.75
04.21.2021	00:20:49	S	3352.92	W	1227.93	2.8	3.92	139	3.19	35.4	4.3	1.5	20.7	3.79	0.78
04.21.2021	00:21:49	S	3352.92	W	1227.66	2.8	3.92	139	3.19	35.4	4.4	1.4	20.9	3.74	0.70
04.21.2021	00:22:49	S	3352.93	W	1227.47	2.8	3.92	139	3.19	35.4	4.3	1.4	21.0	3.75	0.74
04.21.2021	00:23:49	S	3352.93	W	1227.2	2.8	3.92	139	3.19	35.4	4.3	1.4	20.8	3.72	0.73
04.21.2021	00:24:49	S	3352.94	W	1226.98	2.8	3.92	139	3.19	35.4	4.3	1.4	20.7	3.78	0.77
04.21.2021	00:25:49	S	3352.95	W	1226.73	2.8	3.92	139	3.19	35.4	4.3	1.4	20.6	3.72	0.75
04.21.2021	00:26:49	S	3352.95	W	1226.49	2.8	3.91	139	3.19	35.4	4.3	1.4	20.7	3.74	0.73
04.21.2021	00:27:49	S	3352.96	W	1226.23	2.8	3.90	138	3.19	35.4	4.3	1.4	20.9	3.75	0.76
04.21.2021	00:28:49	S	3352.96	W	1225.99	2.8	3.90	138	3.19	35.4	4.3	1.4	20.8	3.72	0.77
04.21.2021	00:29:49	S	3352.97	W	1225.74	2.8	3.90	138	3.19	35.4	4.3	1.4	20.9	3.73	0.70
04.21.2021	00:30:50	S	3352.97	W	1225.55	2.8	3.88	138	3.19	35.4	4.3	1.5	20.8	3.70	0.74
04.21.2021	00:31:50	S	3352.98	W	1225.27	2.8	3.88	138	3.19	35.4	4.2	1.5	20.7	3.74	0.77
04.21.2021	00:32:50	S	3352.98	W	1225.27	2.8	3.88	138	3.19	35.4	4.2	1.4	20.9	3.76	0.76
04.21.2021	00:33:50	S	3352.98	W	1224.78	2.8	3.88	138	3.19	35.4	4.2	1.4	20.7	3.71	0.76
04.21.2021	00:34:50	S	3352.99	W	1224.54	2.8	3.88	138	3.19	35.4	4.3	1.4	20.9	3.72	0.75
04.21.2021	00:35:50	S	3352.99	W	1224.31	2.8	3.88	138	3.19	35.4	4.3	1.4	20.7	3.68	0.74
04.21.2021	00:36:50	S	3353	W	1224.09	2.8	3.88	138	0.00	0.0	0.0	1.4	0.0	3.79	0.76
04.21.2021	00:37:50	S	3353.01	W	1223.83	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.73	0.75

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	00:38:50	S	3353.02	W	1223.59	2.8	3.88	138	3.19	35.4	4.3	1.4	20.5	3.70	0.77
04.21.2021	00:39:50	S	3353.02	W	1223.39	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.76	0.74
04.21.2021	00:40:53	S	3353.03	W	1223.13	2.8	3.88	138	3.19	35.4	4.4	1.4	20.8	3.77	0.79
04.21.2021	00:41:53	S	3353.03	W	1222.9	2.8	3.88	138	3.19	35.4	4.3	1.4	20.8	3.72	0.75
04.21.2021	00:42:53	S	3353.04	W	1222.64	2.8	3.88	138	3.19	35.4	4.3	1.4	20.5	3.79	0.74
04.21.2021	00:43:53	S	3353.06	W	1222.4	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.76	0.80
04.21.2021	00:44:53	S	3353.08	W	1222.16	2.8	3.88	138	3.19	35.4	4.3	1.5	20.6	3.75	0.75
04.21.2021	00:45:53	S	3353.09	W	1221.91	2.8	3.88	138	3.19	35.4	4.4	1.5	20.6	3.73	0.74
04.21.2021	00:46:53	S	3353.11	W	1221.68	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.74	0.77
04.21.2021	00:47:53	S	3353.12	W	1221.42	2.8	3.88	138	3.19	35.4	4.4	1.5	20.7	3.75	0.74
04.21.2021	00:48:53	S	3353.13	W	1221.17	2.8	3.88	138	3.19	35.4	4.4	1.5	20.6	3.72	0.78
04.21.2021	00:49:53	S	3353.15	W	1220.95	2.8	3.88	138	3.19	35.4	4.4	1.5	20.4	3.71	0.76
04.21.2021	00:50:47	S	3353.17	W	1220.69	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.67	0.74
04.21.2021	00:51:47	S	3353.19	W	1220.49	2.8	3.88	138	3.19	35.4	4.4	1.5	20.6	3.70	0.77
04.21.2021	00:52:47	S	3353.21	W	1220.24	2.8	3.88	138	3.19	35.4	4.3	1.5	20.6	3.71	0.75
04.21.2021	00:53:47	S	3353.23	W	1220	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.77	0.77
04.21.2021	00:54:47	S	3353.25	W	1219.75	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.74	0.74
04.21.2021	00:55:47	S	3353.26	W	1219.49	2.8	3.88	138	3.19	35.4	4.3	1.5	20.3	3.78	0.78
04.21.2021	00:56:47	S	3353.28	W	1219.25	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.76	0.74
04.21.2021	00:57:47	S	3353.29	W	1219.01	2.8	3.88	138	3.19	35.4	4.3	1.5	20.6	3.70	0.75
04.21.2021	00:58:47	S	3353.31	W	1218.76	2.8	3.88	138	3.19	35.4	4.3	1.5	20.7	3.82	0.77
04.21.2021	00:59:47	S	3353.32	W	1218.54	2.8	3.88	138	3.19	35.4	4.3	1.5	20.7	3.82	0.75
04.21.2021	01:00:55	S	3353.35	W	1218.26	2.8	3.88	138	3.19	35.4	4.2	1.5	20.8	3.76	0.74
04.21.2021	01:01:55	S	3353.37	W	1218.05	2.8	3.88	138	3.19	35.4	4.3	1.5	20.6	3.76	0.75
04.21.2021	01:02:55	S	3353.39	W	1217.79	2.8	3.88	138	3.19	35.4	4.2	1.5	20.6	3.82	0.75
04.21.2021	01:03:55	S	3353.4	W	1217.54	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.69	0.71
04.21.2021	01:04:55	S	3353.42	W	1217.31	2.8	3.88	138	3.19	35.4	4.3	1.5	20.6	3.76	0.72
04.21.2021	01:05:55	S	3353.44	W	1217.03	2.8	3.88	138	3.19	35.4	4.3	1.5	20.9	3.71	0.74
04.21.2021	01:06:55	S	3353.45	W	1216.82	2.8	3.88	138	3.19	35.4	4.3	1.5	20.8	3.65	0.73
04.21.2021	01:07:55	S	3353.46	W	1216.58	2.8	3.88	138	3.19	35.4	4.3	1.5	20.8	3.76	0.78
04.21.2021	01:08:55	S	3353.48	W	1216.31	2.8	3.88	138	3.19	35.4	4.2	1.5	20.7	3.76	0.75
04.21.2021	01:09:55	S	3353.5	W	1216.09	2.8	3.88	138	3.19	35.4	4.4	1.5	20.6	3.74	0.74
04.21.2021	01:10:55	S	3353.52	W	1215.84	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.80	0.76
04.21.2021	01:11:55	S	3353.54	W	1215.6	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.75	0.71
04.21.2021	01:12:55	S	3353.56	W	1215.3	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.75	0.75
04.21.2021	01:13:55	S	3353.57	W	1215.07	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.76	0.79
04.21.2021	01:14:55	S	3353.58	W	1214.82	2.8	3.88	138	3.19	35.4	4.3	1.5	20.2	3.79	0.76
04.21.2021	01:15:55	S	3353.6	W	1214.55	2.8	3.88	138	3.19	35.4	4.3	1.5	20.3	3.71	0.73

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	01:16:55	S	3353.61	W	1214.31	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.78	0.73
04.21.2021	01:17:55	S	3353.63	W	1214.06	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.74	0.78
04.21.2021	01:18:55	S	3353.64	W	1213.82	2.8	3.88	138	3.19	35.4	4.2	1.5	20.5	3.69	0.76
04.21.2021	01:19:55	S	3353.65	W	1213.56	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.75	0.75
04.21.2021	01:20:49	S	3353.67	W	1213.29	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.69	0.77
04.21.2021	01:21:49	S	3353.68	W	1213.08	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.86	0.76
04.21.2021	01:22:49	S	3353.69	W	1212.81	2.8	3.88	138	3.19	35.4	4.3	1.5	20.5	3.66	0.74
04.21.2021	01:23:49	S	3353.71	W	1212.59	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.65	0.76
04.21.2021	01:24:49	S	3353.72	W	1212.35	2.8	3.88	138	3.19	35.4	4.2	1.5	20.4	3.76	0.73
04.21.2021	01:25:49	S	3353.74	W	1212.05	2.8	3.88	138	3.19	35.4	4.3	1.4	20.4	3.69	0.72
04.21.2021	01:26:49	S	3353.75	W	1211.83	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.77	0.76
04.21.2021	01:27:49	S	3353.76	W	1211.6	2.8	3.88	138	3.19	35.4	4.3	1.4	20.5	3.77	0.78
04.21.2021	01:28:49	S	3353.77	W	1211.35	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.78	0.76
04.21.2021	01:29:49	S	3353.79	W	1211.05	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.76	0.77
04.21.2021	01:30:53	S	3353.81	W	1210.84	2.8	3.88	138	3.19	35.4	4.4	1.4	20.7	3.72	0.73
04.21.2021	01:31:53	S	3353.83	W	1210.57	2.8	3.88	138	3.19	35.4	4.3	1.4	20.8	3.73	0.75
04.21.2021	01:32:53	S	3353.84	W	1210.33	2.8	3.88	138	3.19	35.4	4.4	1.4	20.8	3.81	0.77
04.21.2021	01:33:53	S	3353.86	W	1210.07	2.8	3.88	138	3.19	35.4	4.3	1.4	20.7	3.79	0.77
04.21.2021	01:34:53	S	3353.87	W	1209.8	2.8	3.88	138	3.19	35.4	4.3	1.4	20.8	3.72	0.74
04.21.2021	01:35:53	S	3353.89	W	1209.59	2.8	3.88	138	3.19	35.4	4.3	1.4	20.7	3.70	0.76
04.21.2021	01:36:53	S	3353.91	W	1209.31	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.75	0.79
04.21.2021	01:37:53	S	3353.92	W	1209.05	2.8	3.88	138	3.19	35.4	4.3	1.4	20.7	3.72	0.75
04.21.2021	01:38:53	S	3353.94	W	1208.79	2.8	3.88	138	3.19	35.4	4.2	1.4	20.7	3.69	0.78
04.21.2021	01:39:53	S	3353.95	W	1208.58	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.69	0.72
04.21.2021	01:40:50	S	3353.97	W	1208.32	2.8	3.88	138	3.19	35.4	4.2	1.5	20.7	3.77	0.72
04.21.2021	01:41:50	S	3353.99	W	1208.03	2.8	3.88	138	3.19	35.4	4.2	1.4	20.8	3.72	0.74
04.21.2021	01:42:50	S	3354	W	1207.79	2.8	3.88	138	3.19	35.4	4.3	1.4	20.9	3.78	0.77
04.21.2021	01:43:50	S	3354.02	W	1207.56	2.8	3.88	138	3.19	35.4	4.3	1.4	20.9	3.79	0.78
04.21.2021	01:44:50	S	3354.03	W	1207.3	2.8	3.88	138	3.19	35.4	4.3	1.4	20.8	3.76	0.75
04.21.2021	01:45:50	S	3354.03	W	1207.06	2.8	3.88	138	3.19	35.4	4.3	1.4	20.6	3.75	0.75
04.21.2021	01:46:50	S	3354.04	W	1206.8	2.8	3.88	138	3.19	35.4	4.3	1.4	20.7	3.76	0.73
04.21.2021	01:47:50	S	3354.05	W	1206.56	2.8	3.88	138	3.19	35.4	4.3	1.4	20.7	3.79	0.75
04.21.2021	01:48:50	S	3354.06	W	1206.28	2.8	3.88	138	3.19	35.4	4.3	1.4	20.8	3.70	0.75
04.21.2021	01:49:50	S	3354.08	W	1206.04	2.8	3.88	138	3.19	35.4	4.2	1.4	20.9	3.59	0.75
04.21.2021	01:50:55	S	3354.09	W	1205.91	2.8	3.88	138	3.19	35.4	4.2	1.4	20.7	3.77	0.77
04.21.2021	01:51:55	S	3354.09	W	1205.91	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.75	0.76
04.21.2021	01:52:55	S	3354.11	W	1205.27	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.74	0.79
04.21.2021	01:53:55	S	3354.12	W	1205.01	2.8	3.86	137	3.19	35.4	4.2	1.4	20.6	3.73	0.75

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	01:54:55	S	3354.13	W	1204.78	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.71	0.78
04.21.2021	01:55:55	S	3354.14	W	1204.52	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.71	0.76
04.21.2021	01:56:55	S	3354.13	W	1204.28	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.75	0.75
04.21.2021	01:57:55	S	3354.13	W	1203.99	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.76	0.75
04.21.2021	01:58:55	S	3354.14	W	1203.74	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.73	0.73
04.21.2021	01:59:55	S	3354.14	W	1203.49	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.74	0.74
04.21.2021	02:00:52	S	3354.15	W	1203.23	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.73	0.77
04.21.2021	02:01:52	S	3354.15	W	1203.03	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.71	0.74
04.21.2021	02:02:52	S	3354.15	W	1202.73	2.8	3.86	137	0.00	0.0	0.0	1.5	0.0	3.73	0.74
04.21.2021	02:03:52	S	3354.15	W	1202.51	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.78	0.79
04.21.2021	02:04:52	S	3354.15	W	1202.24	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.79	0.74
04.21.2021	02:05:52	S	3354.15	W	1202.01	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.78	0.76
04.21.2021	02:06:52	S	3354.16	W	1201.74	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.76	0.79
04.21.2021	02:07:52	S	3354.16	W	1201.45	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.72	0.75
04.21.2021	02:08:52	S	3354.17	W	1201.21	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.75	0.76
04.21.2021	02:09:52	S	3354.17	W	1201	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.70	0.73
04.21.2021	02:10:51	S	3354.18	W	1200.71	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.73	0.76
04.21.2021	02:11:51	S	3354.18	W	1200.48	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.67	0.71
04.21.2021	02:12:51	S	3354.18	W	1200.2	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.80	0.77
04.21.2021	02:13:51	S	3354.18	W	1159.97	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.77	0.76
04.21.2021	02:14:51	S	3354.19	W	1159.7	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.74	0.76
04.21.2021	02:15:51	S	3354.19	W	1159.42	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.72	0.73
04.21.2021	02:16:51	S	3354.19	W	1159.2	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.76	0.74
04.21.2021	02:17:51	S	3354.2	W	1158.93	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.79	0.77
04.21.2021	02:18:51	S	3354.2	W	1158.69	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.79	0.74
04.21.2021	02:19:51	S	3354.21	W	1158.45	2.8	3.86	137	3.19	35.4	4.4	1.4	20.1	3.80	0.77
04.21.2021	02:20:47	S	3354.22	W	1158.2	2.8	3.86	137	3.19	35.4	4.4	1.4	20.2	3.74	0.72
04.21.2021	02:21:47	S	3354.24	W	1157.92	2.8	3.86	137	3.19	35.4	4.4	1.4	20.2	3.72	0.74
04.21.2021	02:22:47	S	3354.25	W	1157.71	2.8	3.86	137	3.19	35.4	4.4	1.4	20.0	3.72	0.75
04.21.2021	02:23:47	S	3354.26	W	1157.43	2.8	3.86	137	3.19	35.4	4.4	1.5	20.1	3.72	0.73
04.21.2021	02:24:47	S	3354.26	W	1157.22	2.8	3.86	137	3.19	35.4	4.4	1.5	20.2	3.66	0.76
04.21.2021	02:25:47	S	3354.27	W	1156.96	2.8	3.86	137	3.19	35.4	4.4	1.5	20.2	3.71	0.75
04.21.2021	02:26:47	S	3354.29	W	1156.69	2.8	3.86	137	3.19	35.4	4.4	1.5	20.3	3.70	0.74
04.21.2021	02:27:47	S	3354.3	W	1156.48	2.8	3.86	137	3.19	35.4	4.4	1.4	20.3	3.66	0.73
04.21.2021	02:28:47	S	3354.32	W	1156.22	2.8	3.86	137	3.19	35.4	4.4	1.5	20.1	3.76	0.78
04.21.2021	02:29:47	S	3354.33	W	1155.95	2.8	3.86	137	3.19	35.4	4.4	1.5	20.2	3.71	0.73
04.21.2021	02:30:48	S	3354.35	W	1155.7	2.8	3.86	137	3.19	35.4	4.5	1.5	20.2	3.75	0.76
04.21.2021	02:31:48	S	3354.36	W	1155.45	2.8	3.86	137	3.19	35.4	4.5	1.5	20.2	3.75	0.75

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	02:32:48	S	3354.36	W	1155.2	2.8	3.86	137	3.19	35.4	4.4	1.6	20.5	3.76	0.75
04.21.2021	02:33:48	S	3354.38	W	1154.95	2.8	3.86	137	3.19	35.4	4.4	1.6	20.3	3.74	0.72
04.21.2021	02:34:48	S	3354.39	W	1154.72	2.8	3.86	137	3.19	35.4	4.4	1.6	20.4	3.72	0.74
04.21.2021	02:35:48	S	3354.4	W	1154.46	2.8	3.86	137	3.19	35.4	4.4	1.6	20.3	3.78	0.75
04.21.2021	02:36:48	S	3354.42	W	1154.2	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.80	0.75
04.21.2021	02:37:48	S	3354.42	W	1153.98	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.75	0.76
04.21.2021	02:38:48	S	3354.44	W	1153.74	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.72	0.75
04.21.2021	02:39:48	S	3354.45	W	1153.47	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.67	0.75
04.21.2021	02:40:52	S	3354.47	W	1153.24	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.67	0.75
04.21.2021	02:41:52	S	3354.48	W	1152.96	2.8	3.86	137	3.19	35.4	4.4	1.5	20.4	3.62	0.74
04.21.2021	02:42:52	S	3354.49	W	1152.74	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.70	0.73
04.21.2021	02:43:52	S	3354.5	W	1152.48	2.8	3.86	137	3.19	35.4	4.4	1.6	20.4	3.74	0.74
04.21.2021	02:44:52	S	3354.51	W	1152.24	2.8	3.86	137	3.19	35.4	4.4	1.6	20.4	3.76	0.76
04.21.2021	02:45:52	S	3354.52	W	1151.98	2.8	3.86	137	3.19	35.4	4.4	1.6	20.4	3.72	0.74
04.21.2021	02:46:52	S	3354.53	W	1151.74	2.8	3.86	137	3.19	35.4	4.4	1.6	20.3	3.76	0.78
04.21.2021	02:47:52	S	3354.55	W	1151.53	2.8	3.86	137	3.19	35.4	4.3	1.6	20.4	3.77	0.74
04.21.2021	02:48:52	S	3354.56	W	1151.26	2.8	3.86	137	3.19	35.4	4.4	1.6	20.5	3.76	0.73
04.21.2021	02:49:52	S	3354.56	W	1151.03	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.75	0.75
04.21.2021	02:50:47	S	3354.57	W	1150.77	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.77	0.76
04.21.2021	02:51:47	S	3354.58	W	1150.54	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.79	0.77
04.21.2021	02:52:47	S	3354.59	W	1150.27	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.77	0.75
04.21.2021	02:53:47	S	3354.6	W	1150.05	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.76	0.72
04.21.2021	02:54:47	S	3354.61	W	1149.77	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.75	0.75
04.21.2021	02:55:47	S	3354.62	W	1149.52	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.72	0.74
04.21.2021	02:56:47	S	3354.63	W	1149.3	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.72	0.74
04.21.2021	02:57:47	S	3354.63	W	1149.06	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.73	0.77
04.21.2021	02:58:47	S	3354.64	W	1148.8	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.70	0.76
04.21.2021	02:59:47	S	3354.65	W	1148.56	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.68	0.74
04.21.2021	03:00:48	S	3354.66	W	1148.29	2.8	3.86	137	3.19	35.4	4.4	1.4	20.5	3.71	0.71
04.21.2021	03:01:48	S	3354.67	W	1148.07	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.77	0.71
04.21.2021	03:02:48	S	3354.68	W	1147.82	2.8	3.86	137	3.19	35.4	4.3	1.4	20.6	3.75	0.71
04.21.2021	03:03:48	S	3354.69	W	1147.59	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.76	0.75
04.21.2021	03:04:48	S	3354.7	W	1147.31	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.70	0.73
04.21.2021	03:05:48	S	3354.71	W	1147.06	2.8	3.86	137	3.19	35.4	4.4	1.4	20.4	3.72	0.76
04.21.2021	03:06:48	S	3354.72	W	1146.85	2.8	3.86	137	3.19	35.4	4.4	1.4	20.4	3.78	0.75
04.21.2021	03:07:48	S	3354.74	W	1146.6	2.8	3.86	137	3.19	35.4	4.4	1.4	20.4	3.79	0.73
04.21.2021	03:08:48	S	3354.75	W	1146.33	2.8	3.86	137	3.19	35.4	4.4	1.4	20.3	3.71	0.76
04.21.2021	03:09:48	S	3354.75	W	1146.1	2.8	3.86	137	3.19	35.4	4.4	1.4	20.3	3.72	0.73

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	03:10:53	S	3354.77	W	1145.84	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.73	0.73
04.21.2021	03:11:53	S	3354.78	W	1145.6	2.8	3.86	137	3.19	35.4	4.4	1.5	20.5	3.69	0.76
04.21.2021	03:12:53	S	3354.79	W	1145.38	2.8	3.86	137	3.19	35.4	4.5	1.5	20.3	3.66	0.72
04.21.2021	03:13:53	S	3354.8	W	1145.15	2.8	3.86	137	3.19	35.4	4.4	1.5	20.1	3.71	0.79
04.21.2021	03:14:53	S	3354.81	W	1144.88	2.8	3.86	137	3.19	35.4	4.4	1.6	20.2	3.69	0.75
04.21.2021	03:15:53	S	3354.83	W	1144.63	2.8	3.86	137	3.19	35.4	4.5	1.6	20.3	3.77	0.74
04.21.2021	03:16:53	S	3354.84	W	1144.42	2.8	3.86	137	3.19	35.4	4.4	1.6	20.1	3.76	0.75
04.21.2021	03:17:53	S	3354.85	W	1144.15	2.8	3.86	137	3.19	35.4	4.4	1.6	20.1	3.71	0.73
04.21.2021	03:18:53	S	3354.87	W	1143.89	2.8	3.86	137	3.19	35.4	4.4	1.6	20.0	3.70	0.72
04.21.2021	03:19:53	S	3354.88	W	1143.65	2.8	3.86	137	3.19	35.4	4.4	1.6	20.1	3.74	0.73
04.21.2021	03:20:48	S	3354.89	W	1143.42	2.8	3.86	137	3.19	35.4	4.4	1.6	20.1	3.75	0.74
04.21.2021	03:21:48	S	3354.9	W	1143.17	2.8	3.86	137	3.19	35.4	4.4	1.6	20.0	3.76	0.76
04.21.2021	03:22:48	S	3354.92	W	1142.93	2.8	3.86	137	3.19	35.4	4.5	1.6	19.9	3.76	0.78
04.21.2021	03:23:48	S	3354.95	W	1142.66	2.8	3.86	137	3.19	35.4	4.5	1.6	20.1	3.80	0.76
04.21.2021	03:24:48	S	3354.96	W	1142.42	2.8	3.86	137	3.19	35.4	4.4	1.6	20.0	3.70	0.74
04.21.2021	03:25:48	S	3354.98	W	1142.15	2.8	3.86	137	3.19	35.4	4.4	1.6	20.2	3.79	0.75
04.21.2021	03:26:48	S	3355	W	1141.89	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.70	0.75
04.21.2021	03:27:48	S	3355.02	W	1141.68	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.74	0.75
04.21.2021	03:28:48	S	3355.04	W	1141.4	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.69	0.77
04.21.2021	03:29:48	S	3355.05	W	1141.16	2.8	3.86	137	3.19	35.4	4.3	1.6	20.1	3.73	0.76
04.21.2021	03:30:50	S	3355.07	W	1140.9	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.67	0.75
04.21.2021	03:31:50	S	3355.08	W	1140.67	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.67	0.74
04.21.2021	03:32:50	S	3355.1	W	1140.42	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.74	0.75
04.21.2021	03:33:50	S	3355.12	W	1140.17	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.76	0.76
04.21.2021	03:34:50	S	3355.14	W	1139.92	2.8	3.86	137	3.19	35.4	4.2	1.5	20.3	3.77	0.77
04.21.2021	03:35:50	S	3355.15	W	1139.69	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.74	0.70
04.21.2021	03:36:50	S	3355.18	W	1139.4	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.73	0.73
04.21.2021	03:37:50	S	3355.19	W	1139.17	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.74	0.76
04.21.2021	03:38:50	S	3355.21	W	1138.92	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.78	0.76
04.21.2021	03:39:50	S	3355.23	W	1138.68	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.80	0.75
04.21.2021	03:40:52	S	3355.24	W	1138.52	2.8	3.86	137	3.19	35.4	4.2	1.5	20.3	3.79	0.79
04.21.2021	03:41:52	S	3355.24	W	1138.52	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.77	0.77
04.21.2021	03:42:52	S	3355.29	W	1137.92	2.8	3.86	137	3.19	35.4	4.3	1.5	20.2	3.70	0.73
04.21.2021	03:43:52	S	3355.31	W	1137.69	2.8	3.86	137	3.19	35.4	4.2	1.5	20.3	3.72	0.73
04.21.2021	03:44:52	S	3355.33	W	1137.43	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.71	0.76
04.21.2021	03:45:52	S	3355.35	W	1137.2	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.70	0.75
04.21.2021	03:46:52	S	3355.37	W	1136.92	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.68	0.73
04.21.2021	03:47:52	S	3355.38	W	1136.71	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.77	0.77

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	03:48:52	S	3355.39	W	1136.44	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.78	0.77	
04.21.2021	03:49:52	S	3355.39	W	1136.19	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.80	0.75	
04.21.2021	03:50:49	S	3355.4	W	1135.93	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.74	0.95	
04.21.2021	03:51:49	S	3355.42	W	1135.68	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.75	0.77	
04.21.2021	03:52:49	S	3355.42	W	1135.45	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.75	0.74	
04.21.2021	03:53:49	S	3355.43	W	1135.22	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.80	0.78	
04.21.2021	03:54:49	S	3355.44	W	1134.94	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.78	0.78	
04.21.2021	03:55:49	S	3355.44	W	1134.68	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.75	0.74	
04.21.2021	03:56:49	S	3355.43	W	1134.49	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.80	0.73	
04.21.2021	03:57:49	S	3355.41	W	1134.2	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.75	0.77	
04.21.2021	03:58:49	S	3355.41	W	1133.95	2.8	3.86	137	3.19	35.4	4.3	1.5	20.2	3.68	0.73	
04.21.2021	03:59:49	S	3355.41	W	1133.71	2.8	3.86	137	3.19	35.4	4.4	1.5	20.3	3.63	0.71	
04.21.2021	04:00:46	S	3355.41	W	1133.47	2.8	3.86	137	0.00	0.0	0.0	1.4	0.0	3.68	0.76	
04.21.2021	04:01:46	S	3355.4	W	1133.22	2.8	3.86	137	3.19	35.4	4.4	1.4	20.3	3.72	0.76	
04.21.2021	04:02:46	S	3355.4	W	1132.98	2.8	3.86	137	3.19	35.4	4.4	1.4	20.3	3.73	0.75	
04.21.2021	04:03:46	S	3355.39	W	1132.69	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.69	0.78	
04.21.2021	04:04:46	S	3355.38	W	1132.46	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.77	0.76	
04.21.2021	04:05:46	S	3355.37	W	1132.22	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.78	0.76	
04.21.2021	04:06:46	S	3355.37	W	1131.99	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.80	0.78	
04.21.2021	04:07:46	S	3355.37	W	1131.73	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.78	0.75	
04.21.2021	04:08:46	S	3355.36	W	1131.45	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.71	0.72	
04.21.2021	04:09:46	S	3355.35	W	1131.24	2.8	3.86	137	3.19	35.4	4.3	1.4	20.4	3.71	0.75	
04.21.2021	04:10:48	S	3355.34	W	1130.99	2.8	3.86	137	3.19	35.4	4.4	1.4	20.2	3.72	0.73	
04.21.2021	04:11:48	S	3355.33	W	1130.75	2.8	3.86	137	3.19	35.4	4.4	1.4	20.3	3.73	0.75	
04.21.2021	04:12:48	S	3355.33	W	1130.61	2.8	3.86	137	3.19	35.4	4.4	1.4	20.0	3.76	0.76	
04.21.2021	04:13:48	S	3355.33	W	1130.61	2.8	3.86	137	3.19	35.4	4.5	1.5	19.9	3.73	0.76	
04.21.2021	04:14:48	S	3355.36	W	1129.95	2.8	3.86	137	3.19	35.4	4.7	1.5	19.7	3.77	0.75	
04.21.2021	04:15:48	S	3355.38	W	1129.71	2.8	3.86	137	3.19	35.4	4.7	1.6	19.6	3.77	0.81	
04.21.2021	04:16:48	S	3355.4	W	1129.48	2.8	3.86	137	3.19	35.4	4.5	1.6	19.9	3.69	0.73	
04.21.2021	04:17:48	S	3355.41	W	1129.2	2.8	3.86	137	3.19	35.4	4.4	1.6	20.2	3.71	0.76	
04.21.2021	04:18:48	S	3355.42	W	1128.96	2.8	3.86	137	3.19	35.4	4.3	1.6	20.1	3.72	0.75	
04.21.2021	04:19:48	S	3355.43	W	1128.71	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.69	0.72	
04.21.2021	04:20:49	S	3355.44	W	1128.48	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.78	0.76	
04.21.2021	04:21:49	S	3355.45	W	1128.2	2.8	3.86	137	3.19	35.4	4.2	1.6	20.1	3.73	0.73	
04.21.2021	04:22:49	S	3355.46	W	1127.96	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.73	0.72	
04.21.2021	04:23:49	S	3355.48	W	1127.7	2.8	3.86	137	3.19	35.4	4.2	1.6	20.2	3.76	0.72	
04.21.2021	04:24:49	S	3355.5	W	1127.42	2.8	3.86	137	3.19	35.4	4.2	1.6	20.2	3.77	0.75	
04.21.2021	04:25:49	S	3355.51	W	1127.15	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.53	0.74	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	04:26:49	S	3355.52	W	1126.92	2.8	3.86	137	3.19	35.4	4.2	1.6	20.1	3.81	0.78
04.21.2021	04:27:49	S	3355.54	W	1126.66	2.8	3.86	137	3.19	35.4	4.2	1.6	20.0	3.73	0.76
04.21.2021	04:28:49	S	3355.56	W	1126.4	2.8	3.86	137	3.19	35.4	4.2	1.5	20.2	3.79	0.77
04.21.2021	04:29:49	S	3355.58	W	1126.12	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.74	0.74
04.21.2021	04:30:51	S	3355.59	W	1125.88	2.8	3.86	137	3.19	35.4	4.2	1.5	20.3	3.77	0.74
04.21.2021	04:31:51	S	3355.61	W	1125.63	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.69	0.72
04.21.2021	04:32:51	S	3355.62	W	1125.35	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.71	0.75
04.21.2021	04:33:51	S	3355.63	W	1125.11	2.8	3.86	137	3.19	35.4	4.2	1.4	20.6	3.74	0.77
04.21.2021	04:34:51	S	3355.65	W	1124.88	2.8	3.86	137	3.19	35.4	4.2	1.4	20.7	3.72	0.77
04.21.2021	04:35:51	S	3355.66	W	1124.58	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.66	0.70
04.21.2021	04:36:51	S	3355.68	W	1124.36	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.73	0.73
04.21.2021	04:37:51	S	3355.69	W	1124.09	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.77	0.77
04.21.2021	04:38:51	S	3355.7	W	1123.86	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.78	0.74
04.21.2021	04:39:51	S	3355.72	W	1123.6	2.8	3.86	137	3.19	35.4	4.2	1.4	20.6	3.76	0.75
04.21.2021	04:40:53	S	3355.73	W	1123.33	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.73	0.74
04.21.2021	04:41:53	S	3355.75	W	1123.07	2.8	3.86	137	3.19	35.4	4.1	1.4	20.4	3.82	0.75
04.21.2021	04:42:53	S	3355.76	W	1122.83	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.76	0.80
04.21.2021	04:43:53	S	3355.78	W	1122.57	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.78	0.77
04.21.2021	04:44:53	S	3355.79	W	1122.3	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.75	0.73
04.21.2021	04:45:53	S	3355.81	W	1122.04	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.76	0.74
04.21.2021	04:46:53	S	3355.82	W	1121.77	2.8	3.86	137	3.19	35.4	4.2	1.3	20.4	3.76	0.75
04.21.2021	04:47:53	S	3355.83	W	1121.55	2.8	3.86	137	0.00	0.0	0.0	1.4	0.0	3.73	0.72
04.21.2021	04:48:53	S	3355.85	W	1121.27	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.69	0.78
04.21.2021	04:49:53	S	3355.87	W	1121.01	2.8	3.86	137	3.19	35.4	4.9	1.4	20.2	3.70	0.75
04.21.2021	04:50:54	S	3355.88	W	1120.79	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.65	0.76
04.21.2021	04:51:54	S	3355.9	W	1120.51	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.67	0.77
04.21.2021	04:52:54	S	3355.92	W	1120.24	2.8	3.86	137	3.19	35.4	4.3	1.3	20.1	3.72	0.76
04.21.2021	04:53:54	S	3355.94	W	1119.98	2.8	3.86	137	3.19	35.4	4.2	1.3	20.2	3.73	0.73
04.21.2021	04:54:54	S	3355.95	W	1119.74	2.8	3.86	137	3.19	35.4	4.2	1.3	20.2	3.80	0.76
04.21.2021	04:55:54	S	3355.97	W	1119.48	2.8	3.86	137	3.19	35.4	4.3	1.3	20.1	3.78	0.77
04.21.2021	04:56:54	S	3355.98	W	1119.23	2.8	3.86	137	3.19	35.4	4.3	1.3	20.2	3.75	0.74
04.21.2021	04:57:54	S	3356	W	1118.96	2.8	3.86	137	3.19	35.4	4.3	1.3	20.2	3.74	0.74
04.21.2021	04:58:54	S	3356.01	W	1118.7	2.8	3.86	137	3.19	35.4	4.3	1.3	20.2	3.76	0.73
04.21.2021	04:59:54	S	3356.03	W	1118.44	2.8	3.86	137	3.19	35.4	4.3	1.3	20.4	3.74	0.81
04.21.2021	05:00:51	S	3356.04	W	1118.23	2.8	3.86	137	3.19	35.4	4.4	1.3	20.5	3.71	0.74
04.21.2021	05:01:51	S	3356.07	W	1117.95	2.8	3.86	137	3.19	35.4	4.3	1.3	20.5	3.77	0.75
04.21.2021	05:02:51	S	3356.09	W	1117.71	2.8	3.86	137	3.19	35.4	4.3	1.3	20.2	3.73	0.75
04.21.2021	05:03:51	S	3356.1	W	1117.44	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.74	0.73

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	05:04:51	S	3356.11	W	1117.21	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.67	0.71
04.21.2021	05:05:51	S	3356.11	W	1116.97	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.68	0.77
04.21.2021	05:06:51	S	3356.12	W	1116.77	2.8	3.86	137	3.19	35.4	4.2	1.4	20.6	3.69	0.76
04.21.2021	05:07:51	S	3356.12	W	1116.48	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.75	0.77
04.21.2021	05:08:51	S	3356.15	W	1116.17	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.78	0.75
04.21.2021	05:09:51	S	3356.16	W	1115.94	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.77	0.81
04.21.2021	05:10:54	S	3356.16	W	1115.68	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.80	0.80
04.21.2021	05:11:54	S	3356.17	W	1115.42	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.79	0.77
04.21.2021	05:12:54	S	3356.18	W	1115.17	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.77	0.75
04.21.2021	05:13:54	S	3356.19	W	1114.93	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.75	0.73
04.21.2021	05:14:54	S	3356.2	W	1114.63	2.8	3.86	137	3.19	35.4	4.2	1.3	20.2	3.74	0.73
04.21.2021	05:15:54	S	3356.21	W	1114.4	2.8	3.86	137	3.19	35.4	4.2	1.3	20.3	3.81	0.77
04.21.2021	05:16:54	S	3356.21	W	1114.14	2.8	3.86	137	3.19	35.4	4.2	1.3	20.4	3.76	0.76
04.21.2021	05:17:54	S	3356.21	W	1113.91	2.8	3.86	137	3.19	35.4	4.2	1.3	20.4	3.76	0.74
04.21.2021	05:18:54	S	3356.22	W	1113.67	2.8	3.86	137	3.19	35.4	4.2	1.3	20.6	3.71	0.72
04.21.2021	05:19:54	S	3356.22	W	1113.36	2.8	3.86	137	3.19	35.4	4.2	1.3	20.6	3.71	0.74
04.21.2021	05:20:50	S	3356.23	W	1113.15	2.8	3.86	137	3.19	35.4	4.2	1.3	20.4	3.71	0.75
04.21.2021	05:21:50	S	3356.24	W	1112.9	2.8	3.86	137	3.19	35.4	4.2	1.3	20.3	3.71	0.76
04.21.2021	05:22:50	S	3356.25	W	1112.61	2.8	3.86	137	3.19	35.4	4.2	1.3	20.3	3.71	0.71
04.21.2021	05:23:50	S	3356.25	W	1112.37	2.8	3.86	137	3.19	35.4	4.2	1.3	20.4	3.75	0.79
04.21.2021	05:24:50	S	3356.25	W	1112.12	2.8	3.86	137	3.19	35.4	4.2	1.3	20.3	3.73	0.74
04.21.2021	05:25:50	S	3356.25	W	1111.87	2.8	3.86	137	3.19	35.4	4.2	1.3	20.2	3.76	0.75
04.21.2021	05:26:50	S	3356.26	W	1111.61	2.8	3.86	137	3.19	35.4	4.2	1.3	20.2	3.78	0.77
04.21.2021	05:27:50	S	3356.27	W	1111.37	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.78	0.75
04.21.2021	05:28:50	S	3356.28	W	1111.11	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.81	0.76
04.21.2021	05:29:50	S	3356.29	W	1110.87	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.76	0.74
04.21.2021	05:30:48	S	3356.3	W	1110.6	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.80	0.76
04.21.2021	05:31:48	S	3356.3	W	1110.36	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.75	0.75
04.21.2021	05:32:48	S	3356.3	W	1110.1	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.77	0.73
04.21.2021	05:33:48	S	3356.31	W	1109.83	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.73	0.76
04.21.2021	05:34:48	S	3356.31	W	1109.6	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.73	0.72
04.21.2021	05:35:48	S	3356.32	W	1109.32	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.73	0.76
04.21.2021	05:36:48	S	3356.32	W	1109.11	2.8	3.86	137	3.19	35.4	4.2	1.4	20.0	3.66	0.72
04.21.2021	05:37:48	S	3356.32	W	1108.86	2.8	3.86	137	3.19	35.4	4.3	1.4	19.7	3.70	0.75
04.21.2021	05:38:48	S	3356.32	W	1108.58	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.68	0.74
04.21.2021	05:39:48	S	3356.33	W	1108.36	2.8	3.86	137	3.19	35.4	4.2	1.4	19.9	3.68	0.77
04.21.2021	05:40:54	S	3356.33	W	1108.09	2.8	3.86	137	3.19	35.4	4.2	1.4	19.9	3.73	0.74
04.21.2021	05:41:54	S	3356.34	W	1107.86	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.75	0.74

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	05:42:54	S	3356.34	W	1107.58	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.74	0.74
04.21.2021	05:43:54	S	3356.34	W	1107.37	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.74	0.74
04.21.2021	05:44:54	S	3356.34	W	1107.13	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.78	0.74
04.21.2021	05:45:54	S	3356.34	W	1106.87	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.74	0.73
04.21.2021	05:46:54	S	3356.34	W	1106.62	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.76	0.77
04.21.2021	05:47:54	S	3356.34	W	1106.36	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.73	0.74
04.21.2021	05:48:54	S	3356.35	W	1106.14	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.73	0.75
04.21.2021	05:49:54	S	3356.35	W	1105.88	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.72	0.74
04.21.2021	05:50:51	S	3356.36	W	1105.65	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.75	0.70
04.21.2021	05:51:51	S	3356.36	W	1105.39	2.8	3.86	137	3.19	35.4	4.2	1.4	20.0	3.74	0.79
04.21.2021	05:52:51	S	3356.36	W	1105.37	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.70	0.75
04.21.2021	05:53:51	S	3356.37	W	1104.87	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.67	0.73
04.21.2021	05:54:51	S	3356.39	W	1104.66	2.8	3.86	137	0.00	0.0	0.0	1.4	0.0	3.73	0.76
04.21.2021	05:55:51	S	3356.4	W	1104.39	2.8	3.86	137	3.19	35.4	4.2	1.4	20.0	3.73	0.75
04.21.2021	05:56:51	S	3356.41	W	1104.15	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.71	0.72
04.21.2021	05:57:51	S	3356.41	W	1103.88	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.77	0.76
04.21.2021	05:58:51	S	3356.42	W	1103.62	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.71	0.75
04.21.2021	05:59:51	S	3356.43	W	1103.41	2.8	3.87	137	3.19	35.4	4.2	1.4	20.2	3.76	0.76
04.21.2021	06:00:55	S	3356.44	W	1103.16	2.8	3.87	137	3.19	35.4	4.3	1.4	20.1	3.73	0.75
04.21.2021	06:01:55	S	3356.45	W	1102.91	2.8	3.87	137	3.19	35.4	4.2	1.3	20.0	3.69	0.76
04.21.2021	06:02:55	S	3356.46	W	1102.65	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.77	0.77
04.21.2021	06:03:55	S	3356.47	W	1102.41	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.75	0.73
04.21.2021	06:04:55	S	3356.49	W	1102.16	2.8	3.87	137	3.19	35.4	4.3	1.4	20.0	3.78	0.73
04.21.2021	06:05:55	S	3356.49	W	1101.93	2.8	3.87	137	3.19	35.4	4.2	1.4	20.1	3.74	0.75
04.21.2021	06:06:55	S	3356.5	W	1101.67	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.71	0.74
04.21.2021	06:07:55	S	3356.51	W	1101.43	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.71	0.72
04.21.2021	06:08:55	S	3356.52	W	1101.19	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.75	0.77
04.21.2021	06:09:55	S	3356.53	W	1100.95	2.8	3.87	137	3.19	35.4	4.2	1.4	19.9	3.73	0.76
04.21.2021	06:10:55	S	3356.54	W	1100.69	2.8	3.87	137	3.19	35.4	4.2	1.4	19.7	3.68	0.79
04.21.2021	06:11:55	S	3356.55	W	1100.44	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.69	0.74
04.21.2021	06:12:55	S	3356.55	W	1100.2	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.76	0.73
04.21.2021	06:13:55	S	3356.56	W	1059.96	2.8	3.87	137	3.19	35.4	4.2	1.3	19.9	3.74	0.74
04.21.2021	06:14:55	S	3356.56	W	1059.71	2.8	3.87	137	3.19	35.4	4.1	1.3	19.9	3.73	0.73
04.21.2021	06:15:55	S	3356.56	W	1059.48	2.8	3.87	137	3.19	35.4	4.1	1.4	20.0	3.76	0.78
04.21.2021	06:16:55	S	3356.57	W	1059.26	2.8	3.87	137	3.19	35.4	4.2	1.4	20.2	3.73	0.73
04.21.2021	06:17:55	S	3356.57	W	1059.01	2.8	3.87	137	3.19	35.4	4.2	1.4	20.2	3.75	0.74
04.21.2021	06:18:55	S	3356.58	W	1058.73	2.8	3.87	137	3.19	35.4	4.2	1.4	20.2	3.78	0.75
04.21.2021	06:19:55	S	3356.59	W	1058.48	2.8	3.87	137	3.19	35.4	4.2	1.3	20.2	3.74	0.75

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	06:20:56	S	3356.59	W	1058.28	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.75	0.77
04.21.2021	06:21:56	S	3356.6	W	1058.02	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.77	0.75
04.21.2021	06:22:56	S	3356.6	W	1057.79	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.72	0.76
04.21.2021	06:23:57	S	3356.61	W	1057.54	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.72	0.76
04.21.2021	06:24:57	S	3356.62	W	1057.29	2.8	3.87	137	3.19	35.4	4.2	1.3	20.3	3.72	0.76
04.21.2021	06:25:57	S	3356.64	W	1057.02	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.70	0.73
04.21.2021	06:26:57	S	3356.65	W	1056.81	2.8	3.87	137	3.19	35.4	4.3	1.4	20.0	3.69	0.73
04.21.2021	06:27:57	S	3356.66	W	1056.52	2.8	3.87	137	3.19	35.4	4.3	1.4	19.9	3.72	0.77
04.21.2021	06:28:57	S	3356.66	W	1056.31	2.8	3.87	137	0.00	0.0	0.0	1.4	0.0	3.73	0.72
04.21.2021	06:29:57	S	3356.67	W	1056.07	2.8	3.87	137	3.19	35.4	4.2	1.4	20.1	3.74	0.76
04.21.2021	06:30:53	S	3356.68	W	1055.81	2.8	3.87	137	3.19	35.4	4.2	1.4	19.9	3.71	0.72
04.21.2021	06:31:53	S	3356.69	W	1055.54	2.8	3.87	137	3.19	35.4	4.2	1.4	19.6	3.77	0.75
04.21.2021	06:32:53	S	3356.7	W	1055.3	2.8	3.87	137	3.19	35.4	4.2	1.4	19.7	3.79	0.77
04.21.2021	06:33:53	S	3356.71	W	1055.05	2.8	3.87	137	3.19	35.4	4.2	1.4	19.7	3.76	0.72
04.21.2021	06:34:53	S	3356.72	W	1054.79	2.8	3.87	137	3.19	35.4	4.2	1.4	19.9	3.76	0.76
04.21.2021	06:35:53	S	3356.73	W	1054.57	2.8	3.87	137	3.19	35.4	4.2	1.4	19.7	3.78	0.73
04.21.2021	06:36:53	S	3356.75	W	1054.31	2.8	3.87	137	3.19	35.4	4.2	1.4	19.9	3.71	0.73
04.21.2021	06:37:53	S	3356.77	W	1054.1	2.8	3.87	137	3.19	35.4	4.2	1.4	19.9	3.75	0.74
04.21.2021	06:38:53	S	3356.79	W	1053.85	2.8	3.87	137	3.19	35.4	4.2	1.4	19.7	3.67	0.71
04.21.2021	06:39:53	S	3356.8	W	1053.59	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.74	0.76
04.21.2021	06:40:54	S	3356.81	W	1053.36	2.8	3.87	137	3.19	35.4	4.2	1.4	20.1	3.69	0.76
04.21.2021	06:41:54	S	3356.82	W	1053.12	2.8	3.87	137	3.19	35.4	4.3	1.4	20.1	3.71	0.74
04.21.2021	06:42:54	S	3356.83	W	1052.87	2.8	3.87	137	3.19	35.4	4.2	1.4	20.2	3.67	0.74
04.21.2021	06:43:54	S	3356.84	W	1052.64	2.8	3.87	137	3.19	35.4	4.3	1.4	20.2	3.75	0.72
04.21.2021	06:44:54	S	3356.85	W	1052.39	2.8	3.87	137	3.19	35.4	4.3	1.4	20.2	3.75	0.75
04.21.2021	06:45:54	S	3356.87	W	1052.16	2.8	3.87	137	3.19	35.4	4.3	1.4	20.2	3.76	0.77
04.21.2021	06:46:54	S	3356.89	W	1051.91	2.8	3.87	137	3.19	35.4	4.2	1.4	20.1	3.79	0.79
04.21.2021	06:47:54	S	3356.9	W	1051.67	2.8	3.87	137	3.19	35.4	4.2	1.4	20.1	3.78	0.77
04.21.2021	06:48:54	S	3356.9	W	1051.62	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.74	0.77
04.21.2021	06:49:54	S	3356.93	W	1051.15	2.8	3.87	137	3.19	35.4	4.2	1.4	20.0	3.76	0.75
04.21.2021	06:50:51	S	3356.94	W	1050.94	2.8	3.87	137	3.19	35.4	4.2	1.4	20.1	3.75	0.74
04.21.2021	06:51:51	S	3356.95	W	1050.68	2.8	3.87	137	3.19	35.4	4.2	1.4	20.3	3.74	0.72
04.21.2021	06:52:51	S	3356.96	W	1050.44	2.8	3.87	137	3.19	35.4	4.3	1.4	20.2	3.77	0.76
04.21.2021	06:53:51	S	3356.98	W	1050.17	2.8	3.87	137	3.19	35.4	4.3	1.4	20.4	3.76	0.74
04.21.2021	06:54:51	S	3356.99	W	1049.94	2.8	3.87	137	3.19	35.4	4.2	1.4	20.3	3.70	0.75
04.21.2021	06:55:51	S	3357.01	W	1049.71	2.8	3.87	137	3.19	35.4	4.2	1.4	20.2	3.61	0.73
04.21.2021	06:56:51	S	3357.02	W	1049.44	2.8	3.87	137	3.19	35.4	4.2	1.4	20.3	3.74	0.76
04.21.2021	06:57:51	S	3357.04	W	1049.21	2.8	3.87	137	3.19	35.4	4.2	1.4	20.1	3.69	0.76

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	06:58:51	S	3357.05	W	1048.96	2.8	3.87	137	3.19	35.4	4.2	1.4	20.3	3.73	0.75
04.21.2021	06:59:51	S	3357.07	W	1048.72	2.8	3.87	137	3.19	35.4	4.2	1.4	20.2	3.75	0.72
04.21.2021	07:00:55	S	3357.08	W	1048.47	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.78	0.75
04.21.2021	07:01:55	S	3357.1	W	1048.23	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.71	0.72
04.21.2021	07:02:55	S	3357.11	W	1048	2.8	3.87	137	3.19	35.4	4.2	1.3	20.2	3.70	0.75
04.21.2021	07:03:55	S	3357.13	W	1047.74	2.8	3.87	137	3.19	35.4	4.2	1.3	20.3	3.76	0.72
04.21.2021	07:04:55	S	3357.15	W	1047.46	2.8	3.87	137	3.19	35.4	4.2	1.3	20.4	3.75	0.74
04.21.2021	07:05:55	S	3357.16	W	1047.24	2.8	3.87	137	3.19	35.4	4.2	1.3	20.3	3.75	0.77
04.21.2021	07:06:55	S	3357.18	W	1046.99	2.8	3.87	137	3.19	35.4	4.2	1.3	20.3	3.75	0.73
04.21.2021	07:07:55	S	3357.19	W	1046.78	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.73	0.72
04.21.2021	07:08:55	S	3357.2	W	1046.48	2.8	3.87	137	3.19	35.4	4.2	1.3	20.1	3.75	0.75
04.21.2021	07:09:55	S	3357.21	W	1046.25	2.8	3.87	137	3.19	35.4	4.2	1.3	20.2	3.74	0.77
04.21.2021	07:10:51	S	3357.22	W	1046.03	2.8	3.87	137	3.19	35.4	4.2	1.3	20.2	3.71	0.74
04.21.2021	07:11:51	S	3357.24	W	1045.77	2.8	3.88	138	3.19	35.4	4.2	1.3	20.3	3.76	0.79
04.21.2021	07:12:51	S	3357.25	W	1045.54	2.8	3.88	138	3.19	35.4	4.2	1.3	20.1	3.64	0.74
04.21.2021	07:13:51	S	3357.25	W	1045.48	2.8	3.88	138	3.19	35.4	4.2	1.3	20.1	3.71	0.76
04.21.2021	07:14:51	S	3357.28	W	1045.04	2.8	3.88	138	3.19	35.4	4.1	1.3	20.0	3.76	0.75
04.21.2021	07:15:51	S	3357.29	W	1044.76	2.8	3.88	138	3.19	35.4	4.1	1.4	20.0	3.71	0.70
04.21.2021	07:16:51	S	3357.3	W	1044.54	2.8	3.88	138	3.19	35.4	4.2	1.4	20.1	3.80	0.75
04.21.2021	07:17:51	S	3357.31	W	1044.28	2.8	3.88	138	3.19	35.4	4.2	1.4	20.2	3.74	0.76
04.21.2021	07:18:51	S	3357.32	W	1044.03	2.8	3.88	138	3.19	35.4	4.2	1.4	20.0	3.76	0.76
04.21.2021	07:19:51	S	3357.33	W	1043.8	2.8	3.88	138	3.19	35.4	4.2	1.4	20.0	3.78	0.74
04.21.2021	07:20:54	S	3357.34	W	1043.53	2.8	3.88	138	3.19	35.4	4.2	1.4	20.1	3.73	0.72
04.21.2021	07:21:54	S	3357.35	W	1043.32	2.8	3.88	138	3.19	35.4	4.3	1.4	19.9	3.77	0.77
04.21.2021	07:22:54	S	3357.37	W	1043.07	2.8	3.88	138	3.19	35.4	4.2	1.4	20.1	3.71	0.72
04.21.2021	07:23:54	S	3357.37	W	1042.81	2.8	3.88	138	3.19	35.4	4.3	1.4	20.0	3.71	0.76
04.21.2021	07:24:54	S	3357.38	W	1042.56	2.8	3.88	138	3.19	35.4	4.3	1.4	19.7	3.74	0.72
04.21.2021	07:25:54	S	3357.39	W	1042.34	2.8	3.88	138	3.19	35.4	4.2	1.4	19.6	3.69	0.74
04.21.2021	07:26:54	S	3357.4	W	1042.1	2.8	3.88	138	3.19	35.4	4.2	1.4	19.7	3.69	0.71
04.21.2021	07:27:54	S	3357.42	W	1041.81	2.8	3.88	138	3.19	35.4	4.2	1.4	19.9	3.75	0.76
04.21.2021	07:28:54	S	3357.43	W	1041.6	2.8	3.88	138	3.19	35.4	4.2	1.4	19.9	3.70	0.76
04.21.2021	07:29:54	S	3357.44	W	1041.32	2.8	3.88	138	3.19	35.4	4.2	1.4	19.9	3.69	0.74
04.21.2021	07:30:51	S	3357.44	W	1041.09	2.8	3.88	138	3.19	35.4	4.2	1.4	19.9	3.74	0.73
04.21.2021	07:31:51	S	3357.45	W	1040.87	2.8	3.88	138	3.19	35.4	4.2	1.4	20.0	3.71	0.72
04.21.2021	07:32:51	S	3357.46	W	1040.61	2.8	3.88	138	3.19	35.4	4.2	1.4	20.1	3.74	0.73
04.21.2021	07:33:51	S	3357.47	W	1040.36	2.8	3.88	138	3.19	35.4	4.2	1.4	20.0	3.75	0.72
04.21.2021	07:34:51	S	3357.48	W	1040.13	2.8	3.88	138	3.19	35.4	4.2	1.4	20.1	3.71	0.78
04.21.2021	07:35:51	S	3357.49	W	1039.87	2.8	3.88	138	3.19	35.4	4.2	1.4	20.0	3.74	0.74

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	07:36:51	S	3357.5	W	1039.65	2.8	3.88	138	3.19	35.4	4.2	1.4	20.0	3.75	0.75	
04.21.2021	07:37:51	S	3357.51	W	1039.37	2.8	3.88	138	3.19	35.4	4.2	1.4	20.1	3.74	0.74	
04.21.2021	07:38:51	S	3357.52	W	1039.13	2.8	3.88	138	3.19	35.4	4.2	1.4	20.3	3.76	0.74	
04.21.2021	07:39:51	S	3357.53	W	1038.91	2.8	3.88	138	3.19	35.4	4.2	1.4	20.2	3.77	0.74	
04.21.2021	07:40:48	S	3357.54	W	1038.65	2.8	3.88	138	3.19	35.4	4.2	1.3	20.3	3.74	0.75	
04.21.2021	07:41:48	S	3357.55	W	1038.42	2.8	3.88	138	3.19	35.4	4.1	1.3	20.1	3.71	0.82	
04.21.2021	07:42:48	S	3357.56	W	1038.13	2.8	3.88	138	3.19	35.4	4.1	1.3	20.1	3.77	0.75	
04.21.2021	07:43:48	S	3357.57	W	1037.92	2.8	3.88	138	3.19	35.4	4.1	1.3	20.3	3.70	0.76	
04.21.2021	07:44:48	S	3357.58	W	1037.65	2.8	3.88	138	3.19	35.4	4.2	1.3	20.3	3.75	0.76	
04.21.2021	07:45:48	S	3357.58	W	1037.45	2.8	3.88	138	3.19	35.4	4.2	1.3	20.4	3.70	0.77	
04.21.2021	07:46:48	S	3357.6	W	1037.17	2.8	3.88	138	3.19	35.4	4.2	1.3	20.3	3.68	0.73	
04.21.2021	07:47:48	S	3357.6	W	1036.94	2.8	3.88	138	3.19	35.4	4.2	1.3	20.5	3.78	0.77	
04.21.2021	07:48:48	S	3357.62	W	1036.69	2.8	3.88	138	3.19	35.4	4.2	1.3	20.5	3.78	0.74	
04.21.2021	07:49:48	S	3357.63	W	1036.44	2.8	3.88	138	3.19	35.4	4.2	1.3	20.2	3.81	0.76	
04.21.2021	07:50:49	S	3357.63	W	1036.22	2.8	3.88	138	3.19	35.4	4.2	1.3	20.2	3.80	0.76	
04.21.2021	07:51:49	S	3357.64	W	1036	2.8	3.88	138	3.19	35.4	4.1	1.3	20.2	3.72	0.73	
04.21.2021	07:52:49	S	3357.65	W	1035.74	2.8	3.88	138	3.19	35.4	4.2	1.3	20.3	3.71	0.76	
04.21.2021	07:53:49	S	3357.66	W	1035.52	2.8	3.88	138	3.19	35.4	4.2	1.3	20.3	3.76	0.77	
04.21.2021	07:54:49	S	3357.67	W	1035.23	2.8	3.88	138	3.19	35.4	4.2	1.4	20.2	3.77	0.73	
04.21.2021	07:55:49	S	3357.68	W	1035	2.8	3.88	138	3.19	35.4	4.2	1.4	20.1	3.77	0.78	
04.21.2021	07:56:49	S	3357.69	W	1034.74	2.8	3.88	138	3.19	35.4	4.2	1.4	20.2	3.75	0.75	
04.21.2021	07:57:49	S	3357.7	W	1034.53	2.8	3.88	138	3.19	35.4	4.2	1.4	20.2	3.75	0.77	
04.21.2021	07:58:49	S	3357.71	W	1034.28	2.8	3.88	138	3.19	35.4	4.3	1.4	19.9	3.76	0.76	
04.21.2021	07:59:49	S	3357.72	W	1034.03	2.8	3.88	138	3.19	35.4	4.4	1.4	19.9	3.68	0.64	
04.21.2021	08:00:55	S	3357.73	W	1033.79	2.8	3.88	138	3.19	35.4	4.3	1.4	19.9	3.76	0.76	
04.21.2021	08:01:55	S	3357.74	W	1033.55	2.8	3.88	138	3.19	35.4	4.3	1.4	19.7	3.62	0.71	
04.21.2021	08:02:55	S	3357.75	W	1033.31	2.8	3.88	138	3.19	35.4	4.4	1.4	19.7	3.73	0.77	
04.21.2021	08:03:55	S	3357.76	W	1033.07	2.8	3.88	138	3.19	35.4	4.4	1.4	20.1	3.74	0.73	
04.21.2021	08:04:55	S	3357.77	W	1032.82	2.8	3.88	138	3.19	35.4	4.4	1.5	20.1	3.75	0.78	
04.21.2021	08:05:55	S	3357.78	W	1032.59	2.8	3.88	138	3.19	35.4	4.4	1.5	20.1	3.72	0.73	
04.21.2021	08:06:55	S	3357.8	W	1032.35	2.8	3.88	138	3.19	35.4	4.4	1.5	20.0	3.78	0.75	
04.21.2021	08:07:55	S	3357.8	W	1032.09	2.8	3.88	138	3.19	35.4	4.4	1.5	19.9	3.78	0.76	
04.21.2021	08:08:55	S	3357.81	W	1031.87	2.8	3.88	138	3.19	35.4	4.4	1.5	19.9	3.77	0.75	
04.21.2021	08:09:55	S	3357.82	W	1031.63	2.8	3.88	138	3.19	35.4	4.4	1.5	20.0	3.80	0.77	
04.21.2021	08:10:49	S	3357.83	W	1031.37	2.8	3.88	138	3.19	35.4	4.4	1.5	20.1	3.82	0.76	
04.21.2021	08:11:49	S	3357.84	W	1031.11	2.8	3.88	138	3.19	35.4	4.4	1.6	20.2	3.71	0.74	
04.21.2021	08:12:49	S	3357.86	W	1030.9	2.8	3.88	138	3.19	35.4	4.4	1.5	20.1	3.76	0.75	
04.21.2021	08:13:49	S	3357.87	W	1030.66	2.8	3.88	138	3.19	35.4	4.4	1.5	20.1	3.78	0.78	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	08:14:49	S	3357.88	W	1030.43	2.8	3.88	138	0.00	0.0	0.0	1.5	0.0	3.74	0.76	
04.21.2021	08:15:49	S	3357.88	W	1030.16	2.8	3.88	138	3.19	35.4	4.4	1.6	20.1	3.77	0.79	
04.21.2021	08:16:49	S	3357.89	W	1029.95	2.8	3.88	138	3.19	35.4	4.5	1.6	20.2	3.75	0.75	
04.21.2021	08:17:49	S	3357.9	W	1029.69	2.8	3.88	138	3.19	35.4	4.4	1.6	20.3	3.74	0.79	
04.21.2021	08:18:49	S	3357.91	W	1029.46	2.8	3.88	138	3.19	35.4	4.3	1.6	20.2	3.69	0.74	
04.21.2021	08:19:49	S	3357.92	W	1029.2	2.8	3.88	138	3.19	35.4	4.3	1.6	20.1	3.73	0.71	
04.21.2021	08:20:48	S	3357.93	W	1028.96	2.8	3.88	138	3.19	35.4	4.3	1.5	20.0	3.70	0.75	
04.21.2021	08:21:48	S	3357.94	W	1028.72	2.8	3.88	138	3.19	35.4	4.3	1.5	20.3	3.79	0.75	
04.21.2021	08:22:48	S	3357.95	W	1028.46	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.76	0.75	
04.21.2021	08:23:48	S	3357.96	W	1028.23	2.8	3.88	138	3.19	35.4	4.3	1.5	20.3	3.78	0.77	
04.21.2021	08:24:48	S	3357.97	W	1028.02	2.8	3.88	138	3.19	35.4	4.3	1.5	20.4	3.76	0.73	
04.21.2021	08:25:48	S	3357.98	W	1027.76	2.8	3.88	138	3.19	35.4	4.3	1.5	20.2	3.78	0.76	
04.21.2021	08:26:48	S	3358	W	1027.54	2.8	3.88	138	3.19	35.4	4.3	1.5	20.1	3.73	0.77	
04.21.2021	08:27:48	S	3358.01	W	1027.31	2.8	3.88	138	3.19	35.4	4.3	1.5	20.1	3.69	0.72	
04.21.2021	08:28:48	S	3358.02	W	1027.05	2.8	3.88	138	3.19	35.4	4.3	1.5	20.0	3.69	0.72	
04.21.2021	08:29:48	S	3358.03	W	1026.81	2.8	3.88	138	3.19	35.4	4.3	1.5	20.0	3.70	0.70	
04.21.2021	08:30:53	S	3358.04	W	1026.56	2.8	3.88	138	3.19	35.4	4.3	1.5	19.9	3.76	0.77	
04.21.2021	08:31:53	S	3358.05	W	1026.35	2.8	3.88	138	3.19	35.4	4.4	1.5	19.7	3.68	0.77	
04.21.2021	08:32:53	S	3358.06	W	1026.12	2.8	3.88	138	3.19	35.4	4.4	1.5	19.7	3.72	0.74	
04.21.2021	08:33:53	S	3358.07	W	1025.87	2.8	3.88	138	3.19	35.4	4.4	1.5	19.6	3.71	0.79	
04.21.2021	08:34:53	S	3358.09	W	1025.65	2.8	3.88	138	3.19	35.4	4.5	1.5	19.7	3.71	0.75	
04.21.2021	08:35:53	S	3358.1	W	1025.36	2.8	3.88	138	3.19	35.4	4.5	1.5	19.4	3.75	0.78	
04.21.2021	08:36:53	S	3358.11	W	1025.13	2.8	3.88	138	3.19	35.4	4.6	1.6	19.3	3.60	0.71	
04.21.2021	08:37:53	S	3358.11	W	1024.93	2.8	3.88	138	3.19	35.4	4.6	1.6	19.3	3.79	0.77	
04.21.2021	08:38:53	S	3358.12	W	1024.67	2.8	3.88	138	3.19	35.4	4.6	1.6	19.4	3.80	0.75	
04.21.2021	08:39:53	S	3358.14	W	1024.41	2.8	3.88	138	3.19	35.4	4.6	1.6	19.4	3.74	0.72	
04.21.2021	08:40:53	S	3358.15	W	1024.18	2.8	3.88	138	3.19	35.4	4.6	1.6	19.6	3.76	0.77	
04.21.2021	08:41:53	S	3358.16	W	1023.94	2.8	3.90	138	3.19	35.4	4.5	1.7	19.7	3.72	0.73	
04.21.2021	08:42:53	S	3358.17	W	1023.72	2.8	3.90	138	3.19	35.4	4.6	1.7	19.7	3.78	0.75	
04.21.2021	08:43:53	S	3358.18	W	1023.47	2.8	3.90	138	3.19	35.4	4.6	1.7	19.6	3.70	0.71	
04.21.2021	08:44:53	S	3358.19	W	1023.25	2.8	3.90	138	3.19	35.4	4.6	1.7	19.5	3.74	0.77	
04.21.2021	08:45:53	S	3358.2	W	1022.97	2.8	3.90	138	3.19	35.4	4.5	1.7	19.4	3.70	0.76	
04.21.2021	08:46:53	S	3358.2	W	1022.76	2.8	3.90	138	3.19	35.4	4.5	1.7	19.4	3.72	0.72	
04.21.2021	08:47:53	S	3358.21	W	1022.53	2.8	3.91	139	3.19	35.4	4.5	1.7	19.5	3.70	0.73	
04.21.2021	08:48:53	S	3358.22	W	1022.29	2.8	3.91	139	3.19	35.4	4.7	1.8	19.6	3.68	0.74	
04.21.2021	08:49:53	S	3358.24	W	1022.06	2.8	3.91	139	3.19	35.4	4.7	1.8	19.5	3.68	0.75	
04.21.2021	08:50:52	S	3358.25	W	1021.87	2.8	3.91	139	3.19	35.4	4.7	1.8	19.4	3.67	0.74	
04.21.2021	08:51:52	S	3358.25	W	1021.87	2.8	3.91	139	3.19	35.4	4.6	1.8	19.3	3.66	0.75	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	08:52:52	S	3358.27	W	1021.32	2.8	3.91	139	3.19	35.4	4.6	1.8	19.4	3.73	0.72
04.21.2021	08:53:52	S	3358.28	W	1021.05	2.8	3.91	139	3.19	35.4	4.6	1.8	19.4	3.74	0.74
04.21.2021	08:54:52	S	3358.29	W	1020.83	2.8	3.91	139	3.19	35.4	4.6	1.8	19.4	3.76	0.78
04.21.2021	08:55:52	S	3358.3	W	1020.61	2.8	3.91	139	3.19	35.4	4.6	1.8	19.3	3.80	0.73
04.21.2021	08:56:52	S	3358.32	W	1020.38	2.8	3.91	139	3.19	35.4	4.7	1.8	19.2	3.78	0.76
04.21.2021	08:57:52	S	3358.33	W	1020.13	2.8	3.91	139	3.19	35.4	4.6	1.8	19.1	3.70	0.72
04.21.2021	08:58:52	S	3358.35	W	1019.9	2.8	3.91	139	3.19	35.4	4.6	1.8	19.4	3.76	0.74
04.21.2021	08:59:52	S	3358.36	W	1019.62	2.8	3.91	139	3.19	35.4	4.6	1.8	19.6	3.82	0.73
04.21.2021	09:00:56	S	3358.38	W	1019.43	2.8	3.91	139	3.19	35.4	4.6	1.8	19.6	3.71	0.74
04.21.2021	09:01:56	S	3358.39	W	1019.18	2.8	3.91	139	3.19	35.4	4.6	1.8	19.6	3.76	0.76
04.21.2021	09:02:56	S	3358.4	W	1018.93	2.8	3.91	139	3.19	35.4	4.5	1.8	19.6	3.75	0.75
04.21.2021	09:03:56	S	3358.42	W	1018.69	2.8	3.91	139	3.19	35.4	4.5	1.8	19.6	3.65	0.72
04.21.2021	09:04:56	S	3358.43	W	1018.44	2.8	3.91	139	3.19	35.4	4.5	1.8	19.5	3.74	0.73
04.21.2021	09:05:56	S	3358.44	W	1018.23	2.8	3.91	139	3.19	35.4	4.5	1.8	19.6	3.63	0.73
04.21.2021	09:06:56	S	3358.44	W	1017.99	2.8	3.91	139	3.19	35.4	4.5	1.8	19.6	3.76	0.75
04.21.2021	09:07:56	S	3358.44	W	1017.73	2.8	3.91	139	3.19	35.4	4.5	1.8	19.9	3.68	0.73
04.21.2021	09:08:56	S	3358.45	W	1017.48	2.8	3.91	139	3.19	35.4	4.5	1.8	19.9	3.79	0.78
04.21.2021	09:09:56	S	3358.46	W	1017.27	2.8	3.91	139	3.19	35.4	4.5	1.8	19.7	3.76	0.76
04.21.2021	09:10:55	S	3358.47	W	1017.02	2.8	3.91	139	3.19	35.4	4.5	1.7	19.6	3.76	0.74
04.21.2021	09:11:55	S	3358.48	W	1016.77	2.8	3.91	139	3.19	35.4	4.4	1.7	19.9	3.73	0.73
04.21.2021	09:12:55	S	3358.49	W	1016.53	2.8	3.91	139	3.19	35.4	4.4	1.7	20.0	3.75	0.77
04.21.2021	09:13:55	S	3358.5	W	1016.29	2.8	3.91	139	3.19	35.4	4.4	1.7	20.0	3.69	0.72
04.21.2021	09:14:55	S	3358.51	W	1016.04	2.8	3.91	139	3.19	35.4	4.4	1.7	19.9	3.80	0.77
04.21.2021	09:15:55	S	3358.52	W	1015.84	2.8	3.91	139	3.19	35.4	4.4	1.6	19.7	3.78	0.75
04.21.2021	09:16:55	S	3358.53	W	1015.6	2.8	3.91	139	3.19	35.4	4.4	1.6	19.6	3.74	0.71
04.21.2021	09:17:55	S	3358.53	W	1015.34	2.8	3.91	139	3.19	35.4	4.4	1.6	19.5	3.75	0.76
04.21.2021	09:18:55	S	3358.53	W	1015.1	2.8	3.91	139	3.19	35.4	4.3	1.6	19.7	3.74	0.76
04.21.2021	09:19:55	S	3358.53	W	1014.85	2.8	3.91	139	3.19	35.4	4.4	1.6	20.0	3.70	0.75
04.21.2021	09:20:50	S	3358.53	W	1014.64	2.8	3.91	139	3.19	35.4	4.4	1.6	20.0	3.72	0.77
04.21.2021	09:21:50	S	3358.54	W	1014.39	2.8	3.91	139	3.19	35.4	4.4	1.6	19.7	3.68	0.73
04.21.2021	09:22:50	S	3358.54	W	1014.14	2.8	3.91	139	3.19	35.4	4.4	1.6	19.6	3.69	0.75
04.21.2021	09:23:50	S	3358.55	W	1013.91	2.8	3.91	139	3.19	35.4	4.4	1.6	19.6	3.76	0.73
04.21.2021	09:24:50	S	3358.55	W	1013.65	2.8	3.91	139	3.19	35.4	4.4	1.6	19.7	3.78	0.76
04.21.2021	09:25:50	S	3358.55	W	1013.44	2.8	3.91	139	3.19	35.4	4.4	1.6	19.7	3.76	0.73
04.21.2021	09:26:50	S	3358.55	W	1013.19	2.8	3.91	139	3.19	35.4	4.3	1.6	20.0	3.73	0.74
04.21.2021	09:27:50	S	3358.55	W	1012.94	2.8	3.91	139	3.19	35.4	4.3	1.6	19.9	3.72	0.73
04.21.2021	09:28:50	S	3358.55	W	1012.72	2.8	3.91	139	3.19	35.4	4.3	1.6	19.9	3.75	0.71
04.21.2021	09:29:50	S	3358.55	W	1012.47	2.8	3.91	139	3.19	35.4	4.3	1.6	19.9	3.80	0.77

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	09:30:54	S	3358.55	W	1012.22	2.8	3.91	139	3.19	35.4	4.4	1.6	20.0	3.75	0.77
04.21.2021	09:31:54	S	3358.55	W	1012	2.8	3.91	139	3.19	35.4	4.4	1.6	19.9	3.78	0.73
04.21.2021	09:32:54	S	3358.55	W	1011.74	2.8	3.91	139	3.19	35.4	4.3	1.6	19.9	3.73	0.72
04.21.2021	09:33:54	S	3358.55	W	1011.52	2.8	3.91	139	3.19	35.4	4.3	1.6	19.7	3.68	0.73
04.21.2021	09:34:54	S	3358.56	W	1011.26	2.8	3.91	139	3.19	35.4	4.4	1.6	19.7	3.75	0.74
04.21.2021	09:35:54	S	3358.56	W	1011.02	2.8	3.91	139	3.19	35.4	4.4	1.6	19.7	3.67	0.72
04.21.2021	09:36:54	S	3358.56	W	1010.76	2.8	3.91	139	3.19	35.4	4.4	1.6	19.7	3.70	0.76
04.21.2021	09:37:54	S	3358.56	W	1010.53	2.8	3.91	139	3.19	35.4	4.3	1.5	20.1	3.70	0.74
04.21.2021	09:38:54	S	3358.55	W	1010.28	2.8	3.91	139	3.19	35.4	4.3	1.5	20.2	3.67	0.74
04.21.2021	09:39:54	S	3358.55	W	1010.02	2.8	3.91	139	3.19	35.4	4.3	1.5	20.1	3.73	0.77
04.21.2021	09:40:52	S	3358.55	W	1009.8	2.8	3.91	139	3.19	35.4	4.4	1.5	20.0	3.75	0.76
04.21.2021	09:41:52	S	3358.55	W	1009.56	2.8	3.91	139	3.19	35.4	4.4	1.5	19.9	3.71	0.73
04.21.2021	09:42:52	S	3358.55	W	1009.33	2.8	3.91	139	3.19	35.4	4.4	1.5	19.9	3.74	0.72
04.21.2021	09:43:52	S	3358.54	W	1009.06	2.8	3.91	139	3.19	35.4	4.3	1.5	20.0	3.78	0.77
04.21.2021	09:44:52	S	3358.54	W	1008.82	2.8	3.91	139	3.19	35.4	4.3	1.5	20.0	3.72	0.74
04.21.2021	09:45:52	S	3358.54	W	1008.58	2.8	3.91	139	3.19	35.4	4.4	1.5	20.0	3.74	0.79
04.21.2021	09:46:52	S	3358.53	W	1008.36	2.8	3.91	139	3.19	35.4	4.4	1.5	20.0	3.74	0.79
04.21.2021	09:47:52	S	3358.53	W	1008.09	2.8	3.91	139	3.19	35.4	4.3	1.5	19.9	3.77	0.75
04.21.2021	09:48:52	S	3358.53	W	1007.87	2.8	3.91	139	3.19	35.4	4.3	1.5	20.0	3.74	0.72
04.21.2021	09:49:52	S	3358.53	W	1007.6	2.8	3.91	139	3.19	35.4	4.4	1.5	20.0	3.73	0.78
04.21.2021	09:50:52	S	3358.53	W	1007.37	2.8	3.91	139	3.19	35.4	4.5	1.5	19.9	3.71	0.74
04.21.2021	09:51:52	S	3358.54	W	1007.14	2.8	3.91	139	3.19	35.4	4.5	1.5	19.9	3.74	0.78
04.21.2021	09:52:52	S	3358.55	W	1006.88	2.8	3.91	139	3.19	35.4	4.5	1.5	19.9	3.72	0.77
04.21.2021	09:53:52	S	3358.56	W	1006.65	2.8	3.91	139	3.19	35.4	4.5	1.5	19.7	3.75	0.77
04.21.2021	09:54:52	S	3358.57	W	1006.37	2.8	3.91	139	3.19	35.4	4.4	1.5	19.7	3.63	0.76
04.21.2021	09:55:52	S	3358.58	W	1006.16	2.8	3.91	139	3.19	35.4	4.3	1.5	20.0	3.77	0.77
04.21.2021	09:56:52	S	3358.58	W	1005.92	2.8	3.91	139	3.19	35.4	4.3	1.5	20.1	3.75	0.73
04.21.2021	09:57:52	S	3358.59	W	1005.65	2.8	3.91	139	3.19	35.4	4.3	1.5	20.3	3.82	0.81
04.21.2021	09:58:52	S	3358.6	W	1005.42	2.8	3.91	139	3.19	35.4	4.3	1.6	20.1	3.73	0.74
04.21.2021	09:59:52	S	3358.61	W	1005.19	2.8	3.91	139	3.19	35.4	4.4	1.6	20.0	3.74	0.73
04.21.2021	10:00:48	S	3358.61	W	1004.93	2.8	3.91	139	3.19	35.4	4.4	1.6	19.9	3.76	0.74
04.21.2021	10:01:48	S	3358.62	W	1004.69	2.8	3.91	139	3.19	35.4	4.3	1.6	20.0	3.78	0.73
04.21.2021	10:02:48	S	3358.63	W	1004.46	2.8	3.91	139	3.19	35.4	4.3	1.6	19.9	3.75	0.75
04.21.2021	10:03:48	S	3358.63	W	1004.22	2.8	3.91	139	3.19	35.4	4.3	1.6	20.1	3.74	0.73
04.21.2021	10:04:48	S	3358.63	W	1003.96	2.8	3.91	139	3.19	35.4	4.3	1.6	20.0	3.75	0.72
04.21.2021	10:05:48	S	3358.64	W	1003.73	2.8	3.91	139	3.19	35.4	4.3	1.6	20.0	3.72	0.74
04.21.2021	10:06:48	S	3358.65	W	1003.47	2.8	3.91	139	3.19	35.4	4.2	1.6	20.0	3.70	0.74
04.21.2021	10:07:48	S	3358.66	W	1003.28	2.8	3.91	139	3.19	35.4	12.0	1.8	18.7	3.68	0.73

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	10:08:48	S	3358.67	W	1003.02	2.8	3.91	139	3.19	35.4	8.3	2.2	19.4	3.76	0.76	
04.21.2021	10:09:48	S	3358.67	W	1002.78	2.8	3.91	139	3.19	35.4	6.5	2.4	19.7	3.72	0.79	
04.21.2021	10:10:49	S	3358.68	W	1002.56	2.8	3.91	139	3.19	35.4	6.2	2.5	19.8	3.70	0.64	
04.21.2021	10:11:49	S	3358.69	W	1002.31	2.8	3.91	139	3.19	35.4	6.1	2.6	19.8	3.77	0.76	
04.21.2021	10:12:49	S	3358.7	W	1002.06	2.8	3.91	139	3.19	35.4	6.7	2.8	19.7	3.72	0.72	
04.21.2021	10:13:49	S	3358.7	W	1001.84	2.8	3.91	139	3.19	35.4	9.1	3.0	19.9	3.79	0.77	
04.21.2021	10:14:49	S	3358.71	W	1001.6	2.8	3.91	139	3.19	35.4	8.1	3.3	20.1	3.78	0.73	
04.21.2021	10:15:49	S	3358.71	W	1001.35	2.8	3.91	139	3.19	35.4	6.8	3.5	20.1	3.77	0.78	
04.21.2021	10:16:49	S	3358.72	W	1001.09	2.8	3.91	139	3.19	35.4	6.6	3.6	20.1	3.80	0.77	
04.21.2021	10:17:49	S	3358.73	W	1000.88	2.8	3.91	139	3.19	35.4	6.2	3.7	20.0	3.74	0.72	
04.21.2021	10:18:49	S	3358.74	W	1000.63	2.8	3.91	139	3.19	35.4	6.0	3.8	20.0	3.79	0.76	
04.21.2021	10:19:49	S	3358.75	W	1000.4	2.8	3.91	139	3.19	35.4	5.6	3.9	20.1	3.78	0.73	
04.21.2021	10:20:51	S	3358.75	W	1000.13	2.8	3.91	139	3.19	35.4	5.6	4.0	20.2	3.81	0.76	
04.21.2021	10:21:51	S	3358.76	W	959.92	2.8	3.91	139	3.19	35.4	5.5	4.1	20.3	3.76	0.75	
04.21.2021	10:22:51	S	3358.76	W	959.65	2.8	3.91	139	3.19	35.4	5.4	3.9	20.4	3.76	0.79	
04.21.2021	10:23:51	S	3358.77	W	959.45	2.8	3.91	139	3.19	35.4	5.5	3.6	20.4	3.72	0.76	
04.21.2021	10:24:51	S	3358.78	W	959.22	2.8	3.91	139	3.19	35.4	5.5	3.4	20.7	3.72	0.73	
04.21.2021	10:25:51	S	3358.79	W	958.96	2.8	3.91	139	3.19	35.4	5.3	3.4	20.6	3.72	0.79	
04.21.2021	10:26:51	S	3358.81	W	958.73	2.8	3.91	139	3.19	35.4	5.2	3.3	20.8	3.71	0.74	
04.21.2021	10:27:51	S	3358.81	W	958.5	2.8	3.91	139	3.19	35.4	5.1	3.3	20.9	3.79	0.78	
04.21.2021	10:28:51	S	3358.82	W	958.26	2.8	3.91	139	3.19	35.4	5.2	3.1	20.6	3.72	0.72	
04.21.2021	10:29:51	S	3358.83	W	958.02	2.8	3.91	139	3.19	35.4	5.3	2.8	20.4	3.77	0.78	
04.21.2021	10:30:51	S	3358.83	W	957.81	2.8	3.91	139	3.19	35.4	5.4	2.7	20.4	3.79	0.72	
04.21.2021	10:31:51	S	3358.84	W	957.56	2.8	3.91	139	3.19	35.4	5.2	2.7	20.4	3.75	0.74	
04.21.2021	10:32:51	S	3358.85	W	957.33	2.8	3.91	139	3.19	35.4	5.2	2.6	20.7	3.73	0.72	
04.21.2021	10:33:51	S	3358.86	W	957.09	2.8	3.91	139	3.19	35.4	5.3	2.6	20.7	3.77	0.76	
04.21.2021	10:34:51	S	3358.87	W	956.82	2.8	3.91	139	3.19	35.4	5.5	2.6	20.7	3.78	0.76	
04.21.2021	10:35:51	S	3358.89	W	956.59	2.8	3.91	139	3.19	35.4	5.7	2.6	20.4	3.76	0.75	
04.21.2021	10:36:51	S	3358.91	W	956.37	2.8	3.91	139	3.19	35.4	5.5	2.6	20.6	3.76	0.76	
04.21.2021	10:37:51	S	3358.92	W	956.11	2.8	3.91	139	3.19	35.4	5.2	2.6	20.7	3.72	0.73	
04.21.2021	10:38:51	S	3358.93	W	955.87	2.8	3.91	139	3.19	35.4	5.0	2.5	20.9	3.72	0.75	
04.21.2021	10:39:51	S	3358.94	W	955.66	2.8	3.91	139	3.19	35.4	4.9	2.5	20.9	3.70	0.74	
04.21.2021	10:40:48	S	3358.96	W	955.39	2.8	3.91	139	3.19	35.4	4.9	2.5	21.1	3.73	0.72	
04.21.2021	10:41:48	S	3358.97	W	955.19	2.8	3.91	139	3.19	35.4	5.0	2.5	21.1	3.73	0.78	
04.21.2021	10:42:48	S	3358.99	W	954.94	2.8	3.91	139	3.19	35.4	5.0	2.4	21.0	3.73	0.74	
04.21.2021	10:43:48	S	3359	W	954.69	2.8	3.91	139	3.19	35.4	5.0	2.4	21.0	3.74	0.73	
04.21.2021	10:44:48	S	3359.02	W	954.46	2.8	3.91	139	3.19	35.4	4.9	2.4	21.2	3.81	0.75	
04.21.2021	10:45:48	S	3359.03	W	954.22	2.8	3.91	139	3.19	35.4	4.8	2.3	21.1	3.80	0.76	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	10:46:48	S	3359.05	W	953.99	2.8	3.91	139	3.19	35.4	4.7	2.3	21.2	3.74	0.75
04.21.2021	10:47:48	S	3359.07	W	953.76	2.8	3.91	139	3.19	35.4	4.7	2.2	21.0	3.76	0.74
04.21.2021	10:48:48	S	3359.09	W	953.49	2.8	3.91	139	3.19	35.4	4.7	2.1	21.0	3.69	0.73
04.21.2021	10:49:48	S	3359.1	W	953.27	2.8	3.91	139	3.19	35.4	4.7	2.1	21.0	3.75	0.75
04.21.2021	10:50:53	S	3359.12	W	953.03	2.8	3.91	139	3.19	35.4	4.7	2.0	21.1	3.77	0.77
04.21.2021	10:51:53	S	3359.13	W	952.77	2.8	3.91	139	3.19	35.4	4.7	1.9	21.2	3.74	0.74
04.21.2021	10:52:53	S	3359.15	W	952.58	2.8	3.91	139	3.19	35.4	4.7	1.9	21.3	3.74	0.75
04.21.2021	10:53:53	S	3359.17	W	952.33	2.8	3.91	139	3.19	35.4	4.7	1.9	21.4	3.73	0.73
04.21.2021	10:54:53	S	3359.19	W	952.08	2.8	3.91	139	3.19	35.4	4.7	1.8	21.2	3.69	0.73
04.21.2021	10:55:53	S	3359.22	W	951.84	2.8	3.91	139	3.19	35.4	4.7	1.8	21.1	3.75	0.73
04.21.2021	10:56:53	S	3359.23	W	951.62	2.8	3.91	139	3.19	35.4	4.7	1.7	21.0	3.64	0.75
04.21.2021	10:57:53	S	3359.25	W	951.4	2.8	3.91	139	3.19	35.4	4.7	1.7	21.1	3.70	0.74
04.21.2021	10:58:53	S	3359.28	W	951.16	2.8	3.91	139	3.19	35.4	4.8	1.7	21.0	3.67	0.76
04.21.2021	10:59:53	S	3359.3	W	950.89	2.8	3.91	139	3.19	35.4	4.7	1.7	21.0	3.70	0.73
04.21.2021	11:00:55	S	3359.32	W	950.66	2.8	3.91	139	3.19	35.4	4.8	1.7	20.9	3.78	0.76
04.21.2021	11:01:55	S	3359.33	W	950.46	2.8	3.91	139	3.19	35.4	4.7	1.7	21.1	3.71	0.70
04.21.2021	11:02:55	S	3359.35	W	950.19	2.8	3.91	139	3.19	35.4	4.8	1.7	21.0	3.77	0.77
04.21.2021	11:03:55	S	3359.37	W	949.97	2.8	3.91	139	3.19	35.4	4.7	1.8	21.2	3.76	0.75
04.21.2021	11:04:55	S	3359.39	W	949.71	2.8	3.91	139	3.19	35.4	4.7	1.8	21.0	3.73	0.71
04.21.2021	11:05:55	S	3359.41	W	949.48	2.8	3.91	139	3.19	35.4	4.7	1.8	21.0	3.75	0.76
04.21.2021	11:06:55	S	3359.43	W	949.27	2.8	3.91	139	3.19	35.4	4.7	1.8	20.8	3.73	0.72
04.21.2021	11:07:55	S	3359.45	W	949.02	2.8	3.91	139	3.19	35.4	4.7	1.8	20.7	3.77	0.78
04.21.2021	11:08:55	S	3359.47	W	948.79	2.8	3.91	139	3.19	35.4	4.6	1.8	20.7	3.74	0.79
04.21.2021	11:09:55	S	3359.49	W	948.52	2.8	3.91	139	3.19	35.4	4.6	1.8	20.9	3.76	0.75
04.21.2021	11:10:49	S	3359.51	W	948.31	2.8	3.91	139	3.19	35.4	4.6	1.8	21.1	3.73	0.74
04.21.2021	11:11:49	S	3359.52	W	948.05	2.8	3.91	139	3.19	35.4	4.6	1.9	21.0	3.74	0.74
04.21.2021	11:12:49	S	3359.53	W	947.81	2.8	3.91	139	3.19	35.4	4.5	1.9	21.1	3.71	0.71
04.21.2021	11:13:49	S	3359.54	W	947.58	2.8	3.91	139	3.19	35.4	4.5	1.8	21.2	3.66	0.75
04.21.2021	11:14:49	S	3359.54	W	947.37	2.8	3.91	139	3.19	35.4	4.6	1.8	21.1	3.73	0.75
04.21.2021	11:15:49	S	3359.56	W	947.11	2.8	3.91	139	3.19	35.4	4.6	1.8	21.2	3.73	0.73
04.21.2021	11:16:49	S	3359.57	W	946.9	2.8	3.91	139	3.19	35.4	4.7	1.8	21.1	3.75	0.73
04.21.2021	11:17:49	S	3359.58	W	946.64	2.8	3.91	139	3.19	35.4	4.6	1.8	21.2	3.76	0.74
04.21.2021	11:18:49	S	3359.59	W	946.42	2.8	3.91	139	3.19	35.4	4.6	1.8	21.3	3.71	0.73
04.21.2021	11:19:49	S	3359.6	W	946.16	2.8	3.91	139	3.19	35.4	4.5	1.8	21.3	3.70	0.74
04.21.2021	11:20:57	S	3359.61	W	945.94	2.8	3.91	139	3.19	35.4	4.7	1.8	21.3	3.77	0.75
04.21.2021	11:21:57	S	3359.62	W	945.71	2.8	3.91	139	3.19	35.4	4.7	1.8	21.4	3.80	0.78
04.21.2021	11:22:57	S	3359.63	W	945.47	2.8	3.91	139	3.19	35.4	4.7	1.8	21.4	3.73	0.73
04.21.2021	11:23:57	S	3359.63	W	945.24	2.8	3.91	139	0.00	0.0	0.0	1.7	0.0	3.73	0.71

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	11:24:57	S	3359.65	W	944.99	2.8	3.91	139	3.19	35.4	4.7	1.7	21.5	3.68	0.73
04.21.2021	11:25:57	S	3359.65	W	944.75	2.8	3.91	139	3.19	35.4	4.6	1.7	21.4	3.76	0.74
04.21.2021	11:26:57	S	3359.66	W	944.5	2.8	3.91	139	3.19	35.4	4.7	1.6	21.2	3.67	0.73
04.21.2021	11:27:57	S	3359.67	W	944.27	2.8	3.91	139	3.19	35.4	4.7	1.6	21.3	3.75	0.80
04.21.2021	11:28:57	S	3359.67	W	944.05	2.8	3.91	139	3.19	35.4	4.7	1.7	21.3	3.72	0.80
04.21.2021	11:29:57	S	3359.68	W	943.77	2.8	3.91	139	3.19	35.4	4.7	1.7	21.4	3.72	0.76
04.21.2021	11:30:52	S	3359.69	W	943.57	2.8	3.91	139	3.19	35.4	4.7	1.7	21.5	3.77	0.80
04.21.2021	11:31:52	S	3359.7	W	943.32	2.8	3.91	139	3.19	35.4	4.7	1.7	21.6	3.76	0.77
04.21.2021	11:32:52	S	3359.71	W	943.1	2.8	3.91	139	3.19	35.4	4.7	1.7	21.7	3.75	0.72
04.21.2021	11:33:52	S	3359.71	W	942.83	2.8	3.91	139	3.19	35.4	4.7	1.7	21.6	3.75	0.76
04.21.2021	11:34:52	S	3359.72	W	942.57	2.8	3.91	139	3.19	35.4	4.7	1.7	21.7	3.72	0.76
04.21.2021	11:35:52	S	3359.73	W	942.35	2.8	3.91	139	3.19	35.4	4.7	1.7	21.5	3.75	0.74
04.21.2021	11:36:52	S	3359.74	W	942.11	2.8	3.91	139	3.19	35.4	4.6	1.7	21.7	3.72	0.73
04.21.2021	11:37:52	S	3359.75	W	941.9	2.8	3.91	139	3.19	35.4	4.6	1.7	21.9	3.77	0.74
04.21.2021	11:38:52	S	3359.75	W	941.64	2.8	3.91	139	3.19	35.4	4.6	1.7	21.8	3.75	0.75
04.21.2021	11:39:52	S	3359.76	W	941.4	2.8	3.91	139	3.19	35.4	4.5	1.8	21.7	3.74	0.70
04.21.2021	11:40:49	S	3359.76	W	941.16	2.8	3.91	139	3.19	35.4	4.5	1.8	21.8	3.78	0.77
04.21.2021	11:41:49	S	3359.77	W	940.91	2.8	3.91	139	3.19	35.4	4.5	1.8	22.0	3.74	0.77
04.21.2021	11:42:49	S	3359.78	W	940.68	2.8	3.91	139	3.19	35.4	4.5	1.8	22.2	3.77	0.73
04.21.2021	11:43:49	S	3359.77	W	940.43	2.8	3.91	139	3.19	35.4	4.5	1.8	22.0	3.70	0.75
04.21.2021	11:44:49	S	3359.78	W	940.2	2.8	3.91	139	3.19	35.4	4.5	1.8	22.0	3.70	0.73
04.21.2021	11:45:49	S	3359.78	W	939.94	2.8	3.91	139	3.19	35.4	4.5	1.8	22.0	3.78	0.76
04.21.2021	11:46:49	S	3359.78	W	939.72	2.8	3.91	139	3.19	35.4	4.5	1.8	21.8	3.64	0.75
04.21.2021	11:47:49	S	3359.78	W	939.51	2.8	3.91	139	3.19	35.4	4.5	1.8	21.9	3.73	0.79
04.21.2021	11:48:49	S	3359.78	W	939.25	2.8	3.91	139	3.19	35.4	4.5	1.8	21.8	3.76	0.76
04.21.2021	11:49:49	S	3359.79	W	939	2.8	3.91	139	3.19	35.4	4.5	1.7	21.8	3.84	0.76
04.21.2021	11:50:49	S	3359.79	W	938.75	2.8	3.91	139	3.19	35.4	4.5	1.7	22.0	3.83	0.76
04.21.2021	11:51:49	S	3359.79	W	938.54	2.8	3.91	139	3.19	35.4	4.5	1.7	22.0	3.74	0.78
04.21.2021	11:52:49	S	3359.8	W	938.3	2.8	3.91	139	3.19	35.4	4.5	1.7	22.0	3.75	0.73
04.21.2021	11:53:49	S	3359.8	W	938.04	2.8	3.91	139	3.19	35.4	4.5	1.7	22.0	3.76	0.73
04.21.2021	11:54:49	S	3359.81	W	937.82	2.8	3.91	139	3.19	35.4	4.5	1.7	22.1	3.80	0.75
04.21.2021	11:55:49	S	3359.82	W	937.57	2.8	3.91	139	3.19	35.4	4.6	1.7	22.0	3.78	0.75
04.21.2021	11:56:49	S	3359.83	W	937.32	2.8	3.91	139	3.19	35.4	4.5	1.7	22.0	3.76	0.76
04.21.2021	11:57:49	S	3359.84	W	937.08	2.8	3.91	139	3.19	35.4	4.5	1.7	21.9	3.83	0.77
04.21.2021	11:58:49	S	3359.84	W	936.83	2.8	3.91	139	3.19	35.4	4.5	1.7	21.9	3.70	0.73
04.21.2021	11:59:49	S	3359.84	W	936.62	2.8	3.91	139	3.19	35.4	4.5	1.7	21.9	3.70	0.75
04.21.2021	12:00:55	S	3359.85	W	936.35	2.8	3.91	139	3.19	35.4	4.6	1.7	21.9	3.70	0.74
04.21.2021	12:01:55	S	3359.86	W	936.11	2.8	3.91	139	3.19	35.4	4.7	1.7	21.9	3.74	0.73

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	12:02:55	S	3359.87	W	935.89	2.8	3.91	139	3.19	35.4	4.7	1.7	21.9	3.69	0.75
04.21.2021	12:03:55	S	3359.88	W	935.64	2.8	3.91	139	3.19	35.4	4.5	1.7	21.8	3.76	0.74
04.21.2021	12:04:55	S	3359.88	W	935.39	2.8	3.91	139	3.19	35.4	4.6	1.7	21.6	3.74	0.74
04.21.2021	12:05:55	S	3359.88	W	935.14	2.8	3.91	139	3.19	35.4	4.6	1.7	21.5	3.75	0.73
04.21.2021	12:06:55	S	3359.89	W	934.92	2.8	3.91	139	3.19	35.4	4.6	1.7	21.4	3.74	0.73
04.21.2021	12:07:55	S	3359.91	W	934.67	2.8	3.91	139	3.19	35.4	4.8	1.8	21.2	3.74	0.73
04.21.2021	12:08:55	S	3359.92	W	934.45	2.8	3.91	139	3.19	35.4	4.8	1.8	21.2	3.79	0.74
04.21.2021	12:09:55	S	3359.93	W	934.19	2.8	3.91	139	3.19	35.4	4.7	1.8	21.2	3.75	0.75
04.21.2021	12:10:50	S	3359.94	W	933.95	2.8	3.91	139	3.19	35.4	4.6	1.8	21.5	3.73	0.72
04.21.2021	12:11:50	S	3359.95	W	933.72	2.8	3.91	139	3.19	35.4	4.6	1.8	21.5	3.70	0.73
04.21.2021	12:12:50	S	3359.95	W	933.49	2.8	3.91	139	3.19	35.4	4.6	1.8	21.2	3.78	0.76
04.21.2021	12:13:50	S	3359.96	W	933.24	2.8	3.91	139	3.19	35.4	4.6	1.8	21.5	3.73	0.76
04.21.2021	12:14:50	S	3359.97	W	932.97	2.8	3.91	139	3.19	35.4	4.6	1.8	21.6	3.74	0.77
04.21.2021	12:15:50	S	3359.98	W	932.74	2.8	3.91	139	0.00	0.0	0.0	1.8	0.0	3.69	0.75
04.21.2021	12:16:50	S	3359.98	W	932.53	2.8	3.91	139	3.19	35.4	4.6	1.8	21.5	3.71	0.74
04.21.2021	12:17:50	S	3359.99	W	932.28	2.8	3.91	139	3.19	35.4	4.5	1.8	21.5	3.68	0.76
04.21.2021	12:18:50	S	3400	W	932.06	2.8	3.91	139	3.19	35.4	4.6	1.8	21.5	3.70	0.75
04.21.2021	12:19:50	S	3400	W	931.79	2.8	3.91	139	3.19	35.4	4.6	1.8	21.3	3.70	0.75
04.21.2021	12:20:56	S	3400.01	W	931.57	2.8	3.91	139	3.19	35.4	4.6	1.8	21.6	3.75	0.81
04.21.2021	12:21:56	S	3400.02	W	931.3	2.8	3.91	139	3.19	35.4	4.6	1.8	21.7	3.76	0.74
04.21.2021	12:22:56	S	3400.03	W	931.09	2.8	3.91	139	3.19	35.4	4.5	1.8	21.4	3.71	0.74
04.21.2021	12:23:56	S	3400.03	W	930.85	2.8	3.91	139	3.19	35.4	4.5	1.8	21.6	3.77	0.78
04.21.2021	12:24:56	S	3400.05	W	930.61	2.8	3.91	139	3.19	35.4	4.5	1.8	21.6	3.76	0.77
04.21.2021	12:25:56	S	3400.06	W	930.41	2.8	3.91	139	3.19	35.4	4.5	1.8	21.7	3.75	0.78
04.21.2021	12:26:56	S	3400.07	W	930.14	2.8	3.91	139	3.19	35.4	4.5	1.8	21.7	3.71	0.72
04.21.2021	12:27:56	S	3400.08	W	929.89	2.8	3.91	139	3.19	35.4	4.5	1.8	21.7	3.74	0.73
04.21.2021	12:28:56	S	3400.09	W	929.65	2.8	3.91	139	3.19	35.4	4.5	1.8	21.8	3.77	0.75
04.21.2021	12:29:56	S	3400.1	W	929.41	2.8	3.91	139	3.19	35.4	4.5	1.8	21.5	3.75	0.75
04.21.2021	12:30:48	S	3400.1	W	929.17	2.8	3.91	139	3.19	35.4	4.5	1.7	21.7	3.65	0.75
04.21.2021	12:31:48	S	3400.11	W	928.96	2.8	3.91	139	3.19	35.4	4.4	1.7	21.5	3.69	0.76
04.21.2021	12:32:48	S	3400.12	W	928.71	2.8	3.91	139	3.19	35.4	4.5	1.7	21.5	3.66	0.68
04.21.2021	12:33:48	S	3400.13	W	928.47	2.8	3.91	139	3.19	35.4	4.5	1.7	21.5	3.70	0.75
04.21.2021	12:34:48	S	3400.13	W	928.28	2.8	3.91	139	3.19	35.4	4.6	1.7	21.5	3.71	0.76
04.21.2021	12:35:48	S	3400.15	W	928.03	2.8	3.91	139	3.19	35.4	4.5	1.7	21.6	3.73	0.72
04.21.2021	12:36:48	S	3400.16	W	927.78	2.8	3.91	139	3.19	35.4	4.5	1.7	21.5	3.74	0.73
04.21.2021	12:37:48	S	3400.17	W	927.53	2.8	3.91	139	3.19	35.4	4.6	1.7	21.3	3.81	0.78
04.21.2021	12:38:48	S	3400.18	W	927.31	2.8	3.91	139	3.19	35.4	4.5	1.7	21.3	3.71	0.73
04.21.2021	12:39:48	S	3400.18	W	927.05	2.8	3.91	139	3.19	35.4	4.5	1.7	21.6	3.73	0.71

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	12:40:49	S	3400.19	W	926.8	2.8	3.91	139	3.19	35.4	4.5	1.7	21.6	3.78	0.76
04.21.2021	12:41:49	S	3400.2	W	926.58	2.8	3.91	139	3.19	35.4	4.5	1.7	21.4	3.72	0.74
04.21.2021	12:42:49	S	3400.21	W	926.35	2.8	3.91	139	3.19	35.4	4.6	1.7	21.3	3.78	0.75
04.21.2021	12:43:49	S	3400.22	W	926.11	2.8	3.91	139	3.19	35.4	4.5	1.6	21.4	3.79	0.79
04.21.2021	12:44:49	S	3400.23	W	925.88	2.8	3.91	139	3.19	35.4	4.5	1.6	21.3	3.70	0.75
04.21.2021	12:45:49	S	3400.23	W	925.66	2.8	3.91	139	3.19	35.4	4.5	1.6	21.5	3.73	0.77
04.21.2021	12:46:49	S	3400.25	W	925.43	2.8	3.91	139	3.19	35.4	4.5	1.6	21.8	3.70	0.78
04.21.2021	12:47:49	S	3400.26	W	925.18	2.8	3.91	139	3.19	35.4	4.5	1.6	21.7	3.68	0.74
04.21.2021	12:48:49	S	3400.27	W	924.96	2.8	3.91	139	3.19	35.4	4.5	1.6	22.0	3.77	0.82
04.21.2021	12:49:49	S	3400.27	W	924.7	2.8	3.91	139	3.19	35.4	4.5	1.6	21.9	3.67	0.73
04.21.2021	12:50:49	S	3400.29	W	924.45	2.8	3.91	139	3.19	35.4	4.4	1.6	21.6	3.66	0.72
04.21.2021	12:51:49	S	3400.29	W	924.23	2.8	3.91	139	3.19	35.4	4.4	1.6	21.7	3.81	0.77
04.21.2021	12:52:49	S	3400.31	W	924.01	2.8	3.91	139	3.19	35.4	4.5	1.6	21.7	3.78	0.76
04.21.2021	12:53:49	S	3400.32	W	923.78	2.8	3.91	139	3.19	35.4	4.5	1.6	21.8	3.80	0.76
04.21.2021	12:54:49	S	3400.33	W	923.52	2.8	3.91	139	3.19	35.4	4.4	1.6	21.7	3.76	0.74
04.21.2021	12:55:49	S	3400.33	W	923.3	2.8	3.91	139	3.19	35.4	4.4	1.6	21.6	3.71	0.75
04.21.2021	12:56:49	S	3400.34	W	923.06	2.8	3.91	139	3.19	35.4	4.5	1.6	21.3	3.71	0.74
04.21.2021	12:57:49	S	3400.35	W	922.82	2.8	3.91	139	3.19	35.4	4.5	1.6	21.2	3.78	0.78
04.21.2021	12:58:49	S	3400.36	W	922.57	2.8	3.91	139	3.19	35.4	4.5	1.6	21.3	3.78	0.74
04.21.2021	12:59:49	S	3400.37	W	922.36	2.8	3.91	139	3.19	35.4	4.5	1.6	21.3	3.72	0.73
04.21.2021	13:00:56	S	3400.39	W	922.11	2.8	3.91	139	3.19	35.4	4.5	1.6	21.3	3.79	0.77
04.21.2021	13:01:56	S	3400.4	W	921.87	2.8	3.91	139	3.19	35.4	4.5	1.6	21.1	3.66	0.72
04.21.2021	13:02:56	S	3400.41	W	921.64	2.8	3.91	139	3.19	35.4	4.5	1.6	20.8	3.69	0.75
04.21.2021	13:03:56	S	3400.43	W	921.4	2.8	3.91	139	3.19	35.4	4.5	1.6	20.9	3.79	0.78
04.21.2021	13:04:56	S	3400.44	W	921.17	2.8	3.91	139	3.19	35.4	4.5	1.6	21.0	3.58	0.72
04.21.2021	13:05:56	S	3400.45	W	920.92	2.8	3.91	139	3.19	35.4	4.5	1.6	20.9	3.78	0.79
04.21.2021	13:06:56	S	3400.46	W	920.7	2.8	3.91	139	3.19	35.4	4.4	1.6	21.0	3.75	0.76
04.21.2021	13:07:56	S	3400.48	W	920.45	2.8	3.91	139	3.19	35.4	4.5	1.7	21.0	3.80	0.76
04.21.2021	13:08:56	S	3400.5	W	920.24	2.8	3.91	139	3.19	35.4	4.5	1.7	20.9	3.84	0.79
04.21.2021	13:09:56	S	3400.52	W	920.01	2.8	3.91	139	3.19	35.4	4.5	1.7	20.9	3.79	0.77
04.21.2021	13:10:49	S	3400.54	W	919.81	2.8	3.91	139	3.19	35.4	4.5	1.7	20.8	3.71	0.76
04.21.2021	13:11:49	S	3400.56	W	919.51	2.8	3.91	139	3.19	35.4	4.5	1.7	20.7	3.79	0.76
04.21.2021	13:12:49	S	3400.57	W	919.28	2.8	3.91	139	3.19	35.4	4.4	1.7	21.0	3.77	0.75
04.21.2021	13:13:49	S	3400.59	W	919.05	2.8	3.91	139	3.19	35.4	4.4	1.7	21.1	3.74	0.74
04.21.2021	13:14:49	S	3400.6	W	918.8	2.8	3.91	139	3.19	35.4	4.4	1.7	21.1	3.76	0.77
04.21.2021	13:15:49	S	3400.62	W	918.56	2.8	3.91	139	3.19	35.4	4.5	1.7	21.1	3.76	0.76
04.21.2021	13:16:49	S	3400.63	W	918.35	2.8	3.91	139	3.19	35.4	4.5	1.7	20.8	3.68	0.72
04.21.2021	13:17:49	S	3400.65	W	918.1	2.8	3.91	139	3.19	35.4	4.5	1.7	20.9	3.75	0.77

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	13:18:49	S	3400.66	W	917.88	2.8	3.91	139	3.19	35.4	4.5	1.7	21.1	3.58	0.77
04.21.2021	13:19:49	S	3400.68	W	917.63	2.8	3.91	139	3.19	35.4	4.5	1.7	21.0	3.67	0.75
04.21.2021	13:20:50	S	3400.7	W	917.39	2.8	3.91	139	3.19	35.4	4.5	1.7	21.0	3.69	0.76
04.21.2021	13:21:50	S	3400.71	W	917.18	2.8	3.91	139	3.19	35.4	4.4	1.7	21.0	3.68	0.75
04.21.2021	13:22:50	S	3400.73	W	916.9	2.8	3.91	139	3.19	35.4	4.4	1.7	20.9	3.74	0.73
04.21.2021	13:23:50	S	3400.75	W	916.7	2.8	3.91	139	3.19	35.4	4.4	1.7	20.8	3.73	0.77
04.21.2021	13:24:50	S	3400.76	W	916.45	2.8	3.91	139	3.19	35.4	4.5	1.7	20.8	3.75	0.74
04.21.2021	13:25:50	S	3400.77	W	916.22	2.8	3.91	139	3.19	35.4	4.4	1.7	20.9	3.70	0.69
04.21.2021	13:26:50	S	3400.79	W	915.95	2.8	3.91	139	3.19	35.4	4.3	1.6	21.2	3.79	0.73
04.21.2021	13:27:50	S	3400.8	W	915.74	2.8	3.91	139	3.19	35.4	4.4	1.6	21.3	3.76	0.73
04.21.2021	13:28:50	S	3400.81	W	915.54	2.8	3.91	139	3.19	35.4	4.4	1.6	21.3	3.81	0.80
04.21.2021	13:29:50	S	3400.83	W	915.28	2.8	3.91	139	3.19	35.4	4.5	1.6	21.2	3.72	0.72
04.21.2021	13:30:53	S	3400.84	W	915.02	2.8	3.91	139	3.19	35.4	4.5	1.6	21.1	3.62	0.73
04.21.2021	13:31:53	S	3400.86	W	914.8	2.8	3.91	139	3.19	35.4	4.5	1.6	20.8	3.75	0.72
04.21.2021	13:32:53	S	3400.87	W	914.58	2.8	3.91	139	3.19	35.4	4.4	1.6	20.7	3.77	0.75
04.21.2021	13:33:53	S	3400.89	W	914.33	2.8	3.91	139	3.19	35.4	4.4	1.6	21.0	3.75	0.80
04.21.2021	13:34:53	S	3400.9	W	914.09	2.8	3.91	139	3.19	35.4	4.4	1.6	20.9	3.68	0.74
04.21.2021	13:35:53	S	3400.91	W	913.85	2.8	3.91	139	3.19	35.4	4.4	1.6	21.1	3.64	0.72
04.21.2021	13:36:53	S	3400.92	W	913.63	2.8	3.91	139	3.19	35.4	4.4	1.6	20.9	3.71	0.76
04.21.2021	13:37:53	S	3400.94	W	913.39	2.8	3.91	139	3.19	35.4	4.4	1.6	20.8	3.67	0.79
04.21.2021	13:38:53	S	3400.95	W	913.16	2.8	3.91	139	3.19	35.4	4.5	1.6	20.8	3.75	0.73
04.21.2021	13:39:53	S	3400.96	W	912.95	2.8	3.90	138	3.19	35.4	4.5	1.6	20.8	3.76	0.77
04.21.2021	13:40:49	S	3400.98	W	912.71	2.8	3.90	138	3.19	35.4	4.5	1.6	20.8	3.70	0.73
04.21.2021	13:41:49	S	3401	W	912.46	2.8	3.90	138	3.19	35.4	4.5	1.6	20.8	3.76	0.75
04.21.2021	13:42:49	S	3401.01	W	912.24	2.8	3.90	138	3.19	35.4	4.4	1.6	20.8	3.78	0.76
04.21.2021	13:43:49	S	3401.02	W	911.97	2.8	3.90	138	3.19	35.4	4.4	1.6	20.7	3.79	0.76
04.21.2021	13:44:49	S	3401.03	W	911.76	2.8	3.90	138	3.19	35.4	4.3	1.6	20.7	3.81	0.79
04.21.2021	13:45:49	S	3401.05	W	911.53	2.8	3.90	138	3.19	35.4	4.4	1.6	20.7	3.67	0.76
04.21.2021	13:46:49	S	3401.06	W	911.27	2.8	3.90	138	3.19	35.4	4.4	1.6	20.6	3.76	0.76
04.21.2021	13:47:49	S	3401.07	W	911.02	2.8	3.90	138	3.19	35.4	4.5	1.6	20.7	3.72	0.77
04.21.2021	13:48:49	S	3401.09	W	910.8	2.8	3.90	138	3.19	35.4	4.5	1.6	20.8	3.81	0.74
04.21.2021	13:49:49	S	3401.1	W	910.57	2.8	3.90	138	3.19	35.4	4.6	1.6	20.7	3.70	0.76
04.21.2021	13:50:56	S	3401.11	W	910.34	2.8	3.90	138	3.19	35.4	4.5	1.6	20.7	3.78	0.76
04.21.2021	13:51:56	S	3401.13	W	910.1	2.8	3.90	138	3.19	35.4	4.5	1.7	20.7	3.74	0.77
04.21.2021	13:52:56	S	3401.14	W	909.87	2.8	3.90	138	3.19	35.4	4.6	1.7	20.6	3.82	0.76
04.21.2021	13:53:56	S	3401.15	W	909.63	2.8	3.90	138	3.19	35.4	4.5	1.7	20.6	3.70	0.73
04.21.2021	13:54:56	S	3401.16	W	909.36	2.8	3.90	138	3.19	35.4	4.4	1.7	20.6	3.79	0.74
04.21.2021	13:55:56	S	3401.17	W	909.14	2.8	3.90	138	3.19	35.4	4.5	1.6	20.7	3.74	0.75

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	13:56:56	S	3401.18	W	908.88	2.8	3.90	138	3.19	35.4	4.4	1.6	20.8	3.70	0.72
04.21.2021	13:57:56	S	3401.19	W	908.66	2.8	3.90	138	0.00	0.0	0.0	1.6	0.0	3.75	0.76
04.21.2021	13:58:57	S	3401.2	W	908.42	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.71	0.74
04.21.2021	13:59:57	S	3401.2	W	908.16	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.76	0.74
04.21.2021	14:00:51	S	3401.2	W	907.96	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.79	0.80
04.21.2021	14:01:51	S	3401.22	W	907.69	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.75	0.75
04.21.2021	14:02:51	S	3401.23	W	907.49	2.8	3.90	138	3.19	35.4	4.5	1.6	20.9	3.78	0.72
04.21.2021	14:03:51	S	3401.24	W	907.22	2.8	3.90	138	3.19	35.4	4.5	1.5	21.0	3.78	0.76
04.21.2021	14:04:51	S	3401.24	W	906.97	2.8	3.90	138	3.19	35.4	4.4	1.5	21.0	3.81	0.75
04.21.2021	14:05:51	S	3401.24	W	906.74	2.8	3.90	138	3.19	35.4	4.4	1.5	21.1	3.79	0.77
04.21.2021	14:06:51	S	3401.25	W	906.53	2.8	3.90	138	3.19	35.4	4.5	1.5	21.1	3.73	0.75
04.21.2021	14:07:51	S	3401.25	W	906.27	2.8	3.90	138	3.19	35.4	4.5	1.5	21.0	3.71	0.72
04.21.2021	14:08:51	S	3401.25	W	906.04	2.8	3.90	138	3.19	35.4	4.5	1.5	21.2	3.79	0.79
04.21.2021	14:09:51	S	3401.26	W	905.79	2.8	3.90	138	3.19	35.4	4.5	1.5	21.3	3.70	0.77
04.21.2021	14:10:55	S	3401.26	W	905.55	2.8	3.90	138	3.19	35.4	4.6	1.6	21.3	3.67	0.72
04.21.2021	14:11:55	S	3401.28	W	905.29	2.8	3.90	138	3.19	35.4	4.5	1.6	21.2	3.76	0.76
04.21.2021	14:12:55	S	3401.3	W	905.04	2.8	3.90	138	3.19	35.4	4.6	1.6	21.2	3.75	0.74
04.21.2021	14:13:55	S	3401.3	W	904.79	2.8	3.90	138	3.19	35.4	4.5	1.5	20.8	3.73	0.69
04.21.2021	14:14:55	S	3401.3	W	904.56	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.75	0.74
04.21.2021	14:15:55	S	3401.29	W	904.33	2.8	3.90	138	3.19	35.4	4.3	1.5	21.1	3.73	0.75
04.21.2021	14:16:55	S	3401.28	W	904.09	2.8	3.90	138	3.19	35.4	4.4	1.6	21.1	3.77	0.77
04.21.2021	14:17:55	S	3401.28	W	903.83	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.77	0.76
04.21.2021	14:18:55	S	3401.29	W	903.61	2.8	3.90	138	3.19	35.4	4.8	1.6	20.5	3.70	0.76
04.21.2021	14:19:55	S	3401.31	W	903.39	2.8	3.90	138	3.19	35.4	4.8	1.6	20.5	3.77	0.73
04.21.2021	14:20:49	S	3401.33	W	903.14	2.8	3.90	138	3.19	35.4	4.6	1.6	20.5	3.68	0.73
04.21.2021	14:21:49	S	3401.34	W	902.87	2.8	3.90	138	3.19	35.4	4.4	1.6	20.8	3.77	0.74
04.21.2021	14:22:49	S	3401.35	W	902.65	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.76	0.78
04.21.2021	14:23:49	S	3401.35	W	902.37	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.76	0.76
04.21.2021	14:24:49	S	3401.36	W	902.13	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.76	0.78
04.21.2021	14:25:49	S	3401.36	W	901.89	2.8	3.90	138	3.19	35.4	4.4	1.5	21.0	3.68	0.76
04.21.2021	14:26:49	S	3401.36	W	901.65	2.8	3.90	138	3.19	35.4	4.4	1.5	21.0	3.66	0.75
04.21.2021	14:27:49	S	3401.36	W	901.4	2.8	3.90	138	3.19	35.4	4.3	1.4	20.9	3.71	0.73
04.21.2021	14:28:49	S	3401.37	W	901.17	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.80	0.74
04.21.2021	14:29:49	S	3401.37	W	900.96	2.8	3.90	138	3.19	35.4	4.4	1.5	21.1	3.78	0.74
04.21.2021	14:30:52	S	3401.37	W	900.68	2.8	3.90	138	3.19	35.4	4.4	1.5	21.1	3.77	0.76
04.21.2021	14:31:52	S	3401.37	W	900.47	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.74	0.75
04.21.2021	14:32:52	S	3401.38	W	900.23	2.8	3.90	138	3.19	35.4	4.4	1.5	21.0	3.74	0.80
04.21.2021	14:33:52	S	3401.39	W	859.97	2.8	3.90	138	3.19	35.4	4.5	1.4	20.8	3.74	0.73

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	14:34:52	S	3401.4	W	859.76	2.8	3.90	138	3.19	35.4	4.4	1.4	20.9	3.73	0.72
04.21.2021	14:35:52	S	3401.4	W	859.54	2.8	3.90	138	3.19	35.4	4.4	1.4	21.0	3.78	0.82
04.21.2021	14:36:52	S	3401.42	W	859.26	2.8	3.90	138	3.19	35.4	4.4	1.4	20.9	3.71	0.80
04.21.2021	14:37:52	S	3401.45	W	858.98	2.8	3.90	138	3.19	35.4	4.5	1.4	20.8	3.72	0.75
04.21.2021	14:38:52	S	3401.46	W	858.75	2.8	3.90	138	3.19	35.4	4.4	1.4	20.8	3.71	0.75
04.21.2021	14:39:52	S	3401.48	W	858.53	2.8	3.90	138	3.19	35.4	4.4	1.4	21.1	3.84	0.77
04.21.2021	14:40:55	S	3401.5	W	858.29	2.8	3.90	138	3.19	35.4	4.5	1.5	21.0	3.74	0.77
04.21.2021	14:41:55	S	3401.51	W	858.05	2.8	3.90	138	3.19	35.4	4.4	1.4	20.8	3.71	0.74
04.21.2021	14:42:55	S	3401.52	W	857.79	2.8	3.90	138	3.19	35.4	4.4	1.5	21.0	3.72	0.76
04.21.2021	14:43:55	S	3401.54	W	857.56	2.8	3.90	138	3.19	35.4	4.4	1.5	21.0	3.81	0.78
04.21.2021	14:44:55	S	3401.56	W	857.31	2.8	3.90	138	3.19	35.4	4.4	1.5	21.0	3.69	0.77
04.21.2021	14:45:55	S	3401.57	W	857.09	2.8	3.90	138	3.19	35.4	4.5	1.5	20.9	3.74	0.75
04.21.2021	14:46:55	S	3401.58	W	856.82	2.8	3.90	138	3.19	35.4	4.5	1.5	20.8	3.69	0.73
04.21.2021	14:47:55	S	3401.59	W	856.61	2.8	3.90	138	3.19	35.4	4.3	1.5	21.2	3.75	0.78
04.21.2021	14:48:55	S	3401.6	W	856.37	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.80	0.75
04.21.2021	14:49:55	S	3401.63	W	856.11	2.8	3.90	138	3.19	35.4	4.6	1.6	20.6	3.76	0.74
04.21.2021	14:50:57	S	3401.66	W	855.9	2.8	3.90	138	3.19	35.4	4.6	1.6	20.7	3.72	0.73
04.21.2021	14:51:57	S	3401.68	W	855.67	2.8	3.90	138	3.19	35.4	4.5	1.6	20.5	3.81	0.76
04.21.2021	14:52:57	S	3401.7	W	855.42	2.8	3.90	138	3.19	35.4	4.5	1.6	20.5	3.74	0.74
04.21.2021	14:53:57	S	3401.71	W	855.17	2.8	3.90	138	3.19	35.4	4.4	1.6	20.9	3.72	0.77
04.21.2021	14:54:57	S	3401.72	W	854.95	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.79	0.71
04.21.2021	14:55:57	S	3401.73	W	854.66	2.8	3.90	138	3.19	35.4	4.4	1.6	21.1	3.75	0.75
04.21.2021	14:56:57	S	3401.73	W	854.46	2.8	3.90	138	3.19	35.4	4.5	1.7	21.0	3.62	0.72
04.21.2021	14:57:57	S	3401.74	W	854.18	2.8	3.90	138	3.19	35.4	4.5	1.7	20.8	3.72	0.76
04.21.2021	14:58:57	S	3401.75	W	853.96	2.8	3.90	138	3.19	35.4	4.5	1.7	21.0	3.62	0.74
04.21.2021	14:59:57	S	3401.76	W	853.74	2.8	3.90	138	3.19	35.4	4.4	1.7	20.9	3.78	0.75
04.21.2021	15:00:50	S	3401.76	W	853.46	2.8	3.90	138	3.19	35.4	4.4	1.7	20.8	3.77	0.77
04.21.2021	15:01:50	S	3401.77	W	853.23	2.8	3.90	138	3.19	35.4	4.4	1.7	21.0	3.78	0.77
04.21.2021	15:02:50	S	3401.77	W	852.98	2.8	3.90	138	3.19	35.4	4.4	1.7	21.1	3.85	0.76
04.21.2021	15:03:50	S	3401.78	W	852.74	2.8	3.90	138	3.19	35.4	4.4	1.7	20.9	3.78	0.78
04.21.2021	15:04:50	S	3401.78	W	852.51	2.8	3.90	138	3.19	35.4	4.4	1.6	20.9	3.84	0.76
04.21.2021	15:05:50	S	3401.78	W	852.27	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.79	0.77
04.21.2021	15:06:50	S	3401.77	W	852	2.8	3.90	138	3.19	35.4	4.3	1.6	21.2	3.77	0.72
04.21.2021	15:07:50	S	3401.76	W	851.79	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.75	0.56
04.21.2021	15:08:50	S	3401.75	W	851.54	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.75	0.74
04.21.2021	15:09:50	S	3401.75	W	851.31	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.73	0.73
04.21.2021	15:10:50	S	3401.76	W	851.04	2.8	3.90	138	3.19	35.4	4.4	1.6	20.9	3.67	0.72
04.21.2021	15:11:50	S	3401.77	W	850.81	2.8	3.90	138	3.19	35.4	4.4	1.6	20.7	3.71	0.74

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	15:12:50	S	3401.78	W	850.56	2.8	3.90	138	3.19	35.4	4.4	1.6	20.6	3.71	0.77	
04.21.2021	15:13:50	S	3401.78	W	850.32	2.8	3.90	138	3.19	35.4	4.3	1.6	20.5	3.70	0.79	
04.21.2021	15:14:50	S	3401.78	W	850.1	2.8	3.90	138	3.19	35.4	4.3	1.6	20.9	3.71	0.76	
04.21.2021	15:15:50	S	3401.78	W	849.87	2.8	3.90	138	3.19	35.4	4.4	1.6	20.8	3.68	0.75	
04.21.2021	15:16:50	S	3401.79	W	849.59	2.8	3.90	138	3.19	35.4	4.4	1.6	20.7	3.67	0.77	
04.21.2021	15:17:50	S	3401.79	W	849.4	2.8	3.90	138	3.19	35.4	4.3	1.6	20.7	3.77	0.73	
04.21.2021	15:18:50	S	3401.8	W	849.14	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.63	0.71	
04.21.2021	15:19:50	S	3401.81	W	848.9	2.8	3.90	138	3.19	35.4	4.4	1.5	21.2	3.68	0.73	
04.21.2021	15:20:50	S	3401.82	W	848.63	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.77	0.78	
04.21.2021	15:21:50	S	3401.83	W	848.42	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.82	0.79	
04.21.2021	15:22:50	S	3401.83	W	848.19	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.81	0.74	
04.21.2021	15:23:50	S	3401.83	W	847.94	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.73	0.78	
04.21.2021	15:24:50	S	3401.83	W	847.67	2.8	3.90	138	3.19	35.4	4.4	1.6	21.1	3.80	0.79	
04.21.2021	15:25:50	S	3401.84	W	847.44	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.71	0.75	
04.21.2021	15:26:50	S	3401.85	W	847.21	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.76	0.72	
04.21.2021	15:27:50	S	3401.86	W	846.95	2.8	3.90	138	3.19	35.4	4.5	1.6	20.9	3.80	0.79	
04.21.2021	15:28:50	S	3401.87	W	846.72	2.8	3.90	138	3.19	35.4	4.6	1.6	20.9	3.76	0.78	
04.21.2021	15:29:50	S	3401.88	W	846.49	2.8	3.90	138	3.19	35.4	4.6	1.6	20.9	3.64	0.76	
04.21.2021	15:30:54	S	3401.88	W	846.22	2.8	3.90	138	3.19	35.4	4.5	1.6	20.9	3.71	0.72	
04.21.2021	15:31:54	S	3401.88	W	846	2.8	3.90	138	3.19	35.4	4.4	1.6	21.1	3.73	0.74	
04.21.2021	15:32:54	S	3401.89	W	845.78	2.8	3.90	138	3.19	35.4	4.5	1.6	21.2	3.72	0.75	
04.21.2021	15:33:54	S	3401.89	W	845.53	2.8	3.90	138	3.19	35.4	4.5	1.7	21.2	3.76	0.74	
04.21.2021	15:34:54	S	3401.9	W	845.27	2.8	3.90	138	3.19	35.4	4.6	1.7	21.2	3.85	0.77	
04.21.2021	15:35:54	S	3401.91	W	845.05	2.8	3.90	138	3.19	35.4	4.5	1.6	21.1	3.75	0.73	
04.21.2021	15:36:54	S	3401.92	W	844.77	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.80	0.77	
04.21.2021	15:37:54	S	3401.93	W	844.54	2.8	3.90	138	3.19	35.4	4.5	1.6	21.0	3.80	0.74	
04.21.2021	15:38:54	S	3401.93	W	844.32	2.8	3.90	138	3.19	35.4	4.4	1.6	21.1	3.74	0.75	
04.21.2021	15:39:54	S	3401.93	W	844.07	2.8	3.90	138	3.19	35.4	4.4	1.6	21.4	3.72	0.72	
04.21.2021	15:40:51	S	3401.94	W	843.81	2.8	3.90	138	3.19	35.4	4.5	1.6	21.2	3.82	0.78	
04.21.2021	15:41:51	S	3401.94	W	843.57	2.8	3.90	138	3.19	35.4	4.5	1.6	21.2	3.73	0.77	
04.21.2021	15:42:51	S	3401.95	W	843.32	2.8	3.90	138	3.19	35.4	4.5	1.6	21.2	3.74	0.75	
04.21.2021	15:43:51	S	3401.97	W	843.09	2.8	3.90	138	3.19	35.4	4.6	1.6	20.9	3.74	0.77	
04.21.2021	15:44:51	S	3401.99	W	842.84	2.8	3.90	138	3.19	35.4	4.6	1.7	20.9	3.76	0.79	
04.21.2021	15:45:51	S	3402.01	W	842.58	2.8	3.90	138	3.19	35.4	4.5	1.7	21.1	3.74	0.81	
04.21.2021	15:46:51	S	3402.03	W	842.38	2.8	3.90	138	3.19	35.4	4.5	1.7	21.2	3.79	0.78	
04.21.2021	15:47:51	S	3402.05	W	842.12	2.8	3.90	138	3.19	35.4	4.4	1.6	21.3	3.75	0.58	
04.21.2021	15:48:51	S	3402.05	W	841.89	2.8	3.90	138	3.19	35.4	4.3	1.6	21.3	3.78	0.71	
04.21.2021	15:49:51	S	3402.04	W	841.63	2.8	3.90	138	3.19	35.4	4.3	1.6	21.3	3.75	0.78	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	15:50:57	S	3402.05	W	841.4	2.8	3.90	138	3.19	35.4	4.3	1.7	21.3	3.75	0.71
04.21.2021	15:51:57	S	3402.08	W	841.15	2.8	3.90	138	3.19	35.4	4.4	1.6	21.1	3.79	0.76
04.21.2021	15:52:57	S	3402.09	W	840.9	2.8	3.90	138	3.19	35.4	4.7	1.6	20.8	3.81	0.77
04.21.2021	15:53:57	S	3402.11	W	840.69	2.8	3.90	138	3.19	35.4	4.4	1.7	21.0	3.67	0.72
04.21.2021	15:54:57	S	3402.13	W	840.41	2.8	3.90	138	3.19	35.4	4.4	1.7	21.0	3.70	0.71
04.21.2021	15:55:57	S	3402.14	W	840.21	2.8	3.90	138	3.19	35.4	4.4	1.6	20.6	3.80	0.79
04.21.2021	15:56:57	S	3402.15	W	839.98	2.8	3.90	138	3.19	35.4	4.3	1.6	21.0	3.78	0.78
04.21.2021	15:57:57	S	3402.16	W	839.72	2.8	3.90	138	3.19	35.4	4.3	1.6	21.2	3.77	0.73
04.21.2021	15:58:57	S	3402.17	W	839.48	2.8	3.90	138	3.19	35.4	4.4	1.6	21.2	3.76	0.76
04.21.2021	15:59:57	S	3402.18	W	839.21	2.8	3.90	138	3.19	35.4	4.4	1.6	21.0	3.70	0.73
04.21.2021	16:00:54	S	3402.2	W	839	2.8	3.90	138	3.19	35.4	4.4	1.6	20.9	3.68	0.74
04.21.2021	16:01:54	S	3402.21	W	838.74	2.8	3.90	138	3.19	35.4	4.4	1.6	21.1	3.68	0.75
04.21.2021	16:02:54	S	3402.22	W	838.49	2.8	3.90	138	3.19	35.4	4.3	1.6	21.2	3.74	0.71
04.21.2021	16:03:54	S	3402.24	W	838.26	2.8	3.90	138	3.19	35.4	4.3	1.6	21.2	3.75	0.74
04.21.2021	16:04:54	S	3402.25	W	838.02	2.8	3.90	138	3.19	35.4	4.4	1.6	21.3	3.78	0.77
04.21.2021	16:05:54	S	3402.26	W	837.77	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.78	0.74
04.21.2021	16:06:54	S	3402.27	W	837.51	2.8	3.90	138	3.19	35.4	4.3	1.6	21.2	3.76	0.76
04.21.2021	16:07:54	S	3402.28	W	837.27	2.8	3.90	138	3.19	35.4	4.3	1.6	21.3	3.81	0.78
04.21.2021	16:08:54	S	3402.29	W	837.04	2.8	3.90	138	3.19	35.4	4.3	1.6	21.2	3.78	0.73
04.21.2021	16:09:54	S	3402.3	W	836.8	2.8	3.90	138	3.19	35.4	4.3	1.6	21.1	3.77	0.76
04.21.2021	16:10:50	S	3402.3	W	836.55	2.8	3.90	138	3.19	35.4	4.3	1.5	21.1	3.82	0.75
04.21.2021	16:11:50	S	3402.31	W	836.3	2.8	3.90	138	3.19	35.4	4.3	1.5	21.1	3.74	0.76
04.21.2021	16:12:50	S	3402.32	W	836.03	2.8	3.90	138	3.19	35.4	4.3	1.5	21.2	3.76	0.55
04.21.2021	16:13:50	S	3402.33	W	835.79	2.8	3.90	138	3.19	35.4	4.3	1.5	21.1	3.73	0.77
04.21.2021	16:14:50	S	3402.33	W	835.56	2.8	3.90	138	3.19	35.4	4.3	1.5	21.0	3.77	0.77
04.21.2021	16:15:50	S	3402.34	W	835.29	2.8	3.90	138	3.19	35.4	4.3	1.5	21.0	3.67	0.73
04.21.2021	16:16:50	S	3402.35	W	835.03	2.8	3.90	138	3.19	35.4	4.3	1.5	21.1	3.69	0.77
04.21.2021	16:17:50	S	3402.34	W	834.78	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.70	0.76
04.21.2021	16:18:50	S	3402.34	W	834.55	2.8	3.90	138	0.00	0.0	0.0	1.5	0.0	3.80	0.75
04.21.2021	16:19:50	S	3402.35	W	834.32	2.8	3.90	138	3.19	35.4	4.4	1.4	21.0	3.73	0.74
04.21.2021	16:20:51	S	3402.36	W	834.07	2.8	3.90	138	3.19	35.4	4.4	1.4	20.8	3.74	0.75
04.21.2021	16:21:51	S	3402.37	W	833.81	2.8	3.90	138	3.19	35.4	4.3	1.4	20.8	3.79	0.80
04.21.2021	16:22:51	S	3402.37	W	833.56	2.8	3.90	138	3.19	35.4	4.4	1.4	20.8	3.76	0.75
04.21.2021	16:23:51	S	3402.38	W	833.29	2.8	3.90	138	3.19	35.4	4.4	1.4	20.9	3.74	0.76
04.21.2021	16:24:51	S	3402.39	W	833.05	2.8	3.90	138	3.19	35.4	4.4	1.4	20.8	3.79	0.72
04.21.2021	16:25:51	S	3402.4	W	832.81	2.8	3.90	138	3.19	35.4	4.3	1.4	21.0	3.80	0.80
04.21.2021	16:26:51	S	3402.4	W	832.58	2.8	3.90	138	3.19	35.4	4.3	1.4	21.1	3.75	0.78
04.21.2021	16:27:51	S	3402.41	W	832.29	2.8	3.90	138	3.19	35.4	4.4	1.4	20.9	3.77	0.77

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	16:28:51	S	3402.42	W	832.08	2.8	3.90	138	3.19	35.4	4.4	1.4	20.6	3.71	0.74	
04.21.2021	16:29:51	S	3402.44	W	831.78	2.8	3.90	138	3.19	35.4	4.4	1.4	20.7	3.76	0.76	
04.21.2021	16:30:50	S	3402.45	W	831.58	2.8	3.90	138	3.19	35.4	4.4	1.4	20.8	3.77	0.77	
04.21.2021	16:31:50	S	3402.46	W	831.31	2.8	3.90	138	3.19	35.4	4.4	1.5	20.9	3.67	0.70	
04.21.2021	16:32:50	S	3402.48	W	831.03	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.71	0.77	
04.21.2021	16:33:50	S	3402.48	W	830.8	2.8	3.90	138	3.19	35.4	4.3	1.5	20.7	3.68	0.73	
04.21.2021	16:34:50	S	3402.49	W	830.52	2.8	3.90	138	3.19	35.4	4.3	1.5	20.6	3.75	0.74	
04.21.2021	16:35:50	S	3402.49	W	830.28	2.8	3.90	138	3.19	35.4	4.4	1.5	20.9	3.75	0.76	
04.21.2021	16:36:50	S	3402.51	W	830.05	2.8	3.90	138	3.19	35.4	4.4	1.5	20.8	3.71	0.72	
04.21.2021	16:37:50	S	3402.53	W	829.78	2.8	3.90	138	3.19	35.4	4.3	1.5	21.0	3.73	0.73	
04.21.2021	16:38:50	S	3402.54	W	829.57	2.8	3.90	138	3.19	35.4	4.3	1.5	21.0	3.71	0.76	
04.21.2021	16:39:50	S	3402.55	W	829.29	2.8	3.90	138	3.19	35.4	4.3	1.5	20.8	3.72	0.75	
04.21.2021	16:40:53	S	3402.56	W	829.05	2.8	3.90	138	3.19	35.4	4.3	1.5	21.0	3.82	0.76	
04.21.2021	16:41:53	S	3402.56	W	828.79	2.8	3.90	138	3.19	35.4	4.2	1.6	21.0	3.77	0.76	
04.21.2021	16:42:53	S	3402.56	W	828.54	2.8	3.90	138	3.19	35.4	4.3	1.5	20.8	3.71	0.75	
04.21.2021	16:43:53	S	3402.57	W	828.32	2.8	3.90	138	3.19	35.4	4.3	1.5	20.8	3.85	0.77	
04.21.2021	16:44:53	S	3402.58	W	828.05	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.78	0.78	
04.21.2021	16:45:53	S	3402.59	W	827.81	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.68	0.73	
04.21.2021	16:46:53	S	3402.6	W	827.54	2.8	3.90	138	3.19	35.4	4.3	1.5	20.8	3.72	0.74	
04.21.2021	16:47:53	S	3402.62	W	827.3	2.8	3.90	138	3.19	35.4	4.4	1.5	20.6	3.77	0.79	
04.21.2021	16:48:53	S	3402.63	W	827.05	2.8	3.90	138	3.19	35.4	4.3	1.5	20.6	3.70	0.75	
04.21.2021	16:49:53	S	3402.63	W	826.79	2.8	3.90	138	3.19	35.4	4.3	1.5	20.9	3.70	0.78	
04.21.2021	16:50:55	S	3402.64	W	826.55	2.8	3.90	138	3.19	35.4	4.3	1.5	21.0	3.82	0.77	
04.21.2021	16:51:55	S	3402.66	W	826.31	2.8	3.87	137	3.19	35.4	4.3	1.5	20.9	3.75	0.78	
04.21.2021	16:52:55	S	3402.66	W	826.07	2.8	3.87	137	3.19	35.4	4.4	1.5	20.8	3.76	0.74	
04.21.2021	16:53:55	S	3402.67	W	825.79	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.76	0.74	
04.21.2021	16:54:55	S	3402.68	W	825.53	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.77	0.77	
04.21.2021	16:55:55	S	3402.69	W	825.28	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.74	0.78	
04.21.2021	16:56:55	S	3402.69	W	825.06	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.76	0.76	
04.21.2021	16:57:55	S	3402.7	W	824.77	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.71	0.72	
04.21.2021	16:58:55	S	3402.7	W	824.55	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.71	0.75	
04.21.2021	16:59:55	S	3402.7	W	824.27	2.8	3.86	137	3.19	35.4	4.3	1.5	20.6	3.74	0.75	
04.21.2021	17:00:51	S	3402.71	W	824.03	2.8	3.86	137	3.19	35.4	4.4	1.5	20.4	3.77	0.76	
04.21.2021	17:01:51	S	3402.71	W	823.76	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.74	0.76	
04.21.2021	17:02:51	S	3402.72	W	823.52	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.77	0.77	
04.21.2021	17:03:51	S	3402.72	W	823.27	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.67	0.72	
04.21.2021	17:04:51	S	3402.72	W	823	2.8	3.86	137	3.19	35.4	4.4	1.5	20.8	3.72	0.75	
04.21.2021	17:05:51	S	3402.72	W	822.8	2.8	3.86	137	3.19	35.4	4.3	1.5	21.0	3.67	0.73	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	17:06:51	S	3402.72	W	822.51	2.8	3.86	137	3.19	35.4	4.3	1.5	21.0	3.71	0.76	
04.21.2021	17:07:51	S	3402.73	W	822.25	2.8	3.86	137	3.19	35.4	4.4	1.5	20.9	3.73	0.75	
04.21.2021	17:08:51	S	3402.74	W	822.02	2.8	3.86	137	3.19	35.4	4.4	1.5	20.6	3.80	0.77	
04.21.2021	17:09:51	S	3402.75	W	821.76	2.8	3.86	137	3.19	35.4	4.4	1.4	20.5	3.74	0.75	
04.21.2021	17:10:51	S	3402.76	W	821.52	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.71	0.71	
04.21.2021	17:11:51	S	3402.76	W	821.26	2.8	3.86	137	3.19	35.4	4.4	1.4	20.6	3.71	0.73	
04.21.2021	17:12:51	S	3402.77	W	820.99	2.8	3.86	137	3.19	35.4	4.4	1.4	20.6	3.73	0.78	
04.21.2021	17:13:51	S	3402.77	W	820.8	2.8	3.86	137	3.19	35.4	4.3	1.4	20.7	3.71	0.73	
04.21.2021	17:14:51	S	3402.78	W	820.5	2.8	3.86	137	3.19	35.4	4.5	1.5	20.7	3.80	0.78	
04.21.2021	17:15:51	S	3402.78	W	820.27	2.8	3.86	137	3.19	35.4	4.4	1.5	20.6	3.76	0.76	
04.21.2021	17:16:51	S	3402.79	W	820.02	2.8	3.86	137	3.19	35.4	4.4	1.5	20.6	3.76	0.72	
04.21.2021	17:17:51	S	3402.79	W	819.78	2.8	3.86	137	3.19	35.4	4.4	1.5	20.7	3.78	0.78	
04.21.2021	17:18:51	S	3402.8	W	819.55	2.8	3.86	137	3.19	35.4	4.4	1.5	20.4	3.65	0.72	
04.21.2021	17:19:51	S	3402.8	W	819.28	2.8	3.86	137	3.19	35.4	4.4	1.5	20.5	3.67	0.75	
04.21.2021	17:20:50	S	3402.79	W	819.06	2.8	3.86	137	3.19	35.4	4.4	1.5	20.6	3.72	0.72	
04.21.2021	17:21:50	S	3402.81	W	818.81	2.8	3.86	137	3.19	35.4	4.4	1.5	20.6	3.73	0.75	
04.21.2021	17:22:50	S	3402.83	W	818.59	2.8	3.86	137	3.19	35.4	4.7	1.6	20.3	3.82	0.79	
04.21.2021	17:23:50	S	3402.85	W	818.31	2.8	3.86	137	3.19	35.4	4.5	1.6	20.3	3.82	0.72	
04.21.2021	17:24:50	S	3402.86	W	818.1	2.8	3.86	137	3.19	35.4	4.4	1.6	20.6	3.68	0.75	
04.21.2021	17:25:50	S	3402.86	W	817.87	2.8	3.86	137	3.19	35.4	4.4	1.6	20.7	3.89	0.75	
04.21.2021	17:26:50	S	3402.88	W	817.62	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.83	0.79	
04.21.2021	17:27:50	S	3402.9	W	817.36	2.8	3.86	137	3.19	35.4	4.3	1.5	20.2	3.83	0.74	
04.21.2021	17:28:50	S	3402.92	W	817.14	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.77	0.76	
04.21.2021	17:29:50	S	3402.93	W	816.88	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.74	0.73	
04.21.2021	17:30:56	S	3402.94	W	816.65	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.71	0.75	
04.21.2021	17:31:56	S	3402.94	W	816.4	2.8	3.86	137	3.19	35.4	4.2	1.5	20.6	3.78	0.78	
04.21.2021	17:32:56	S	3402.95	W	816.13	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.75	0.80	
04.21.2021	17:33:56	S	3402.96	W	815.89	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.68	0.71	
04.21.2021	17:34:56	S	3402.96	W	815.68	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.73	0.81	
04.21.2021	17:35:56	S	3402.97	W	815.42	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.63	0.77	
04.21.2021	17:36:56	S	3402.98	W	815.19	2.8	3.86	137	3.19	35.4	4.3	1.4	20.6	3.61	0.72	
04.21.2021	17:37:56	S	3402.99	W	814.93	2.8	3.86	137	3.19	35.4	4.3	1.4	20.6	3.66	0.76	
04.21.2021	17:38:56	S	3403	W	814.68	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.71	0.76	
04.21.2021	17:39:56	S	3403	W	814.42	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.68	0.75	
04.21.2021	17:40:52	S	3403.01	W	814.22	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.72	0.77	
04.21.2021	17:41:52	S	3403.01	W	813.97	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.77	0.75	
04.21.2021	17:42:52	S	3403.01	W	813.71	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.76	0.74	
04.21.2021	17:43:52	S	3403.02	W	813.44	2.8	3.86	137	3.19	35.4	4.4	1.5	20.4	3.74	0.72	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	17:44:52	S	3403.03	W	813.24	2.8	3.86	137	3.19	35.4	4.4	1.5	20.5	3.80	0.77	
04.21.2021	17:45:52	S	3403.03	W	813	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.82	0.75	
04.21.2021	17:46:52	S	3403.03	W	812.75	2.8	3.86	137	3.19	35.4	4.2	1.5	20.6	3.81	0.78	
04.21.2021	17:47:52	S	3403.04	W	812.51	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.76	0.77	
04.21.2021	17:48:52	S	3403.06	W	812.23	2.8	3.86	137	3.19	35.4	4.3	1.5	20.6	3.86	0.76	
04.21.2021	17:49:52	S	3403.07	W	811.99	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.71	0.74	
04.21.2021	17:50:53	S	3403.07	W	811.75	2.8	3.86	137	3.19	35.4	4.2	1.5	20.6	3.70	0.78	
04.21.2021	17:51:53	S	3403.08	W	811.52	2.8	3.86	137	3.19	35.4	4.2	1.5	20.6	3.74	0.76	
04.21.2021	17:52:53	S	3403.08	W	811.27	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.72	0.75	
04.21.2021	17:53:53	S	3403.08	W	811.02	2.8	3.86	137	3.19	35.4	4.2	1.5	20.5	3.66	0.75	
04.21.2021	17:54:53	S	3403.09	W	810.76	2.8	3.86	137	3.19	35.4	4.2	1.5	20.4	3.78	0.76	
04.21.2021	17:55:53	S	3403.1	W	810.52	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.71	0.71	
04.21.2021	17:56:53	S	3403.1	W	810.26	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.74	0.78	
04.21.2021	17:57:53	S	3403.11	W	810.01	2.8	3.86	137	3.19	35.4	4.4	1.4	20.7	3.70	0.73	
04.21.2021	17:58:53	S	3403.12	W	809.75	2.8	3.86	137	3.19	35.4	4.4	1.4	20.6	3.80	0.76	
04.21.2021	17:59:53	S	3403.14	W	809.51	2.8	3.86	137	3.19	35.4	4.3	1.4	20.4	3.80	0.79	
04.21.2021	18:00:56	S	3403.15	W	809.26	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.72	0.76	
04.21.2021	18:01:56	S	3403.16	W	809.03	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.68	0.77	
04.21.2021	18:02:56	S	3403.16	W	808.8	2.8	3.86	137	3.19	35.4	4.3	1.4	20.4	3.73	0.73	
04.21.2021	18:03:56	S	3403.16	W	808.53	2.8	3.86	137	3.19	35.4	4.3	1.4	20.6	3.77	0.75	
04.21.2021	18:04:56	S	3403.16	W	808.31	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.69	0.73	
04.21.2021	18:05:56	S	3403.17	W	808.05	2.8	3.86	137	3.19	35.4	4.4	1.4	20.5	3.65	0.69	
04.21.2021	18:06:56	S	3403.18	W	807.81	2.8	3.86	137	3.19	35.4	4.3	1.4	20.4	3.75	0.69	
04.21.2021	18:07:56	S	3403.19	W	807.57	2.8	3.86	137	3.19	35.4	4.4	1.4	20.3	3.71	0.78	
04.21.2021	18:08:56	S	3403.2	W	807.33	2.8	3.86	137	3.19	35.4	4.4	1.4	20.5	3.70	0.74	
04.21.2021	18:09:56	S	3403.21	W	807.08	2.8	3.86	137	3.19	35.4	4.3	1.4	20.5	3.77	0.75	
04.21.2021	18:10:58	S	3403.21	W	806.84	2.8	3.86	137	3.19	35.4	4.3	1.4	20.8	3.83	0.76	
04.21.2021	18:11:58	S	3403.22	W	806.63	2.8	3.86	137	3.19	35.4	4.4	1.4	20.5	3.75	0.75	
04.21.2021	18:12:58	S	3403.22	W	806.4	2.8	3.86	137	3.19	35.4	4.4	1.5	20.5	3.81	0.78	
04.21.2021	18:13:58	S	3403.23	W	806.13	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.75	0.77	
04.21.2021	18:14:58	S	3403.23	W	805.92	2.8	3.86	137	3.19	35.4	4.3	1.5	20.6	3.77	0.76	
04.21.2021	18:15:58	S	3403.24	W	805.64	2.8	3.86	137	3.19	35.4	4.3	1.5	20.7	3.78	0.79	
04.21.2021	18:16:58	S	3403.25	W	805.41	2.8	3.86	137	3.19	35.4	4.4	1.5	20.3	3.76	0.79	
04.21.2021	18:17:58	S	3403.27	W	805.18	2.8	3.86	137	3.19	35.4	4.5	1.6	20.2	3.79	0.78	
04.21.2021	18:18:58	S	3403.28	W	804.95	2.8	3.86	137	3.19	35.4	4.4	1.6	20.3	3.73	0.76	
04.21.2021	18:19:58	S	3403.29	W	804.7	2.8	3.86	137	3.19	35.4	4.3	1.6	20.3	3.79	0.80	
04.21.2021	18:20:50	S	3403.29	W	804.46	2.8	3.86	137	3.19	35.4	4.3	1.6	20.2	3.68	0.74	
04.21.2021	18:21:50	S	3403.31	W	804.23	2.8	3.86	137	3.19	35.4	4.4	1.6	20.4	3.80	0.76	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	18:22:50	S	3403.34	W	804.02	2.8	3.86	137	3.19	35.4	4.6	1.6	20.2	3.67	0.72
04.21.2021	18:23:50	S	3403.38	W	803.81	2.8	3.86	137	3.19	35.4	5.0	1.6	19.9	3.69	0.71
04.21.2021	18:24:50	S	3403.44	W	803.53	2.8	3.86	137	3.19	35.4	4.8	1.6	19.9	3.63	0.77
04.21.2021	18:25:50	S	3403.48	W	803.31	2.8	3.86	137	3.19	35.4	4.7	1.7	20.0	3.78	0.83
04.21.2021	18:26:50	S	3403.51	W	803.09	2.8	3.86	137	3.19	35.4	4.4	1.7	20.3	3.78	0.76
04.21.2021	18:27:50	S	3403.51	W	803.09	2.8	3.86	137	3.19	35.4	4.3	1.7	20.5	3.81	0.78
04.21.2021	18:28:50	S	3403.61	W	802.6	2.8	3.86	137	3.19	35.4	4.4	1.7	20.3	3.79	0.74
04.21.2021	18:29:50	S	3403.66	W	802.36	2.8	3.86	137	3.19	35.4	4.4	1.7	20.0	3.71	0.74
04.21.2021	18:30:57	S	3403.7	W	802.14	2.8	3.86	137	3.19	35.4	4.3	1.7	20.1	3.77	0.78
04.21.2021	18:31:57	S	3403.73	W	802.03	2.8	3.86	137	3.19	35.4	4.3	1.7	20.3	3.76	0.71
04.21.2021	18:32:57	S	3403.81	W	801.65	2.8	3.86	137	3.19	35.4	4.2	1.7	20.4	3.71	0.72
04.21.2021	18:33:57	S	3403.87	W	801.41	2.8	3.86	137	3.19	35.4	4.2	1.6	20.7	3.81	0.78
04.21.2021	18:34:57	S	3403.92	W	801.18	2.8	3.86	137	3.19	35.4	4.3	1.6	20.4	3.66	0.71
04.21.2021	18:35:57	S	3403.96	W	800.95	2.8	3.86	137	3.19	35.4	4.3	1.6	20.4	3.69	0.73
04.21.2021	18:36:57	S	3404.01	W	800.73	2.8	3.86	137	3.19	35.4	4.3	1.6	20.4	3.77	0.76
04.21.2021	18:37:57	S	3404.06	W	800.49	2.8	3.86	137	3.19	35.4	4.5	1.6	20.6	3.73	0.73
04.21.2021	18:38:57	S	3404.12	W	800.27	2.8	3.86	137	3.19	35.4	4.4	1.6	20.6	3.69	0.76
04.21.2021	18:39:57	S	3404.18	W	800.03	2.8	3.86	137	3.19	35.4	4.3	1.5	20.6	3.69	0.74
04.21.2021	18:40:58	S	3404.24	W	759.79	2.8	3.86	137	3.19	35.4	4.3	1.5	20.6	3.72	0.76
04.21.2021	18:41:58	S	3404.3	W	759.56	2.8	3.86	137	3.19	35.4	4.2	1.5	20.5	3.76	0.75
04.21.2021	18:42:58	S	3404.35	W	759.33	2.8	3.86	137	3.19	35.4	4.2	1.5	20.7	3.77	0.77
04.21.2021	18:43:58	S	3404.4	W	759.11	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.72	0.77
04.21.2021	18:44:58	S	3404.46	W	758.83	2.8	3.86	137	3.19	35.4	4.2	1.4	20.5	3.84	0.76
04.21.2021	18:45:58	S	3404.51	W	758.64	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.75	0.73
04.21.2021	18:46:58	S	3404.56	W	758.41	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.74	0.72
04.21.2021	18:47:58	S	3404.62	W	758.16	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.77	0.77
04.21.2021	18:48:58	S	3404.67	W	757.89	2.8	3.86	137	3.19	35.4	4.3	1.4	20.4	3.79	0.78
04.21.2021	18:49:58	S	3404.72	W	757.67	2.8	3.86	137	3.19	35.4	4.3	1.4	20.4	3.76	0.78
04.21.2021	18:50:54	S	3404.77	W	757.47	2.8	3.86	137	3.19	35.4	4.3	1.4	20.4	3.71	0.74
04.21.2021	18:51:54	S	3404.83	W	757.19	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.72	0.71
04.21.2021	18:52:54	S	3404.89	W	756.97	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.80	0.77
04.21.2021	18:53:54	S	3404.95	W	756.72	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.77	0.75
04.21.2021	18:54:54	S	3405	W	756.5	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.84	0.76
04.21.2021	18:55:54	S	3405.05	W	756.26	2.8	3.86	137	3.19	35.4	4.4	1.5	20.3	3.76	0.76
04.21.2021	18:56:54	S	3405.1	W	756.04	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.57	0.70
04.21.2021	18:57:54	S	3405.15	W	755.83	2.8	3.86	137	3.19	35.4	4.3	1.5	20.3	3.73	0.81
04.21.2021	18:58:54	S	3405.2	W	755.57	2.8	3.86	137	3.19	35.4	4.4	1.5	20.1	3.71	0.73
04.21.2021	18:59:54	S	3405.26	W	755.33	2.8	3.86	137	3.19	35.4	4.5	1.5	20.3	3.71	0.74

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	19:00:56	S	3405.3	W	755.1	2.8	3.86	137	3.19	35.4	4.4	1.5	20.3	3.77	0.74	
04.21.2021	19:01:56	S	3405.33	W	754.88	2.8	3.86	137	0.00	0.0	0.0	1.5	0.0	3.68	0.70	
04.21.2021	19:02:56	S	3405.36	W	754.66	2.8	3.86	137	3.19	35.4	4.3	1.5	20.5	3.79	0.77	
04.21.2021	19:03:56	S	3405.41	W	754.41	2.8	3.86	137	3.19	35.4	4.4	1.5	20.2	3.73	0.73	
04.21.2021	19:04:56	S	3405.44	W	754.18	2.8	3.86	137	3.19	35.4	4.5	1.5	19.9	3.79	0.78	
04.21.2021	19:05:56	S	3405.46	W	753.92	2.8	3.86	137	3.19	35.4	4.3	1.6	20.0	3.76	0.74	
04.21.2021	19:06:56	S	3405.46	W	753.71	2.8	3.86	137	3.19	35.4	4.2	1.6	20.4	3.67	0.74	
04.21.2021	19:07:56	S	3405.44	W	753.46	2.8	3.86	137	3.19	35.4	4.2	1.5	20.5	3.73	0.74	
04.21.2021	19:08:56	S	3405.42	W	753.22	2.8	3.86	137	3.19	35.4	4.3	1.5	20.4	3.67	0.74	
04.21.2021	19:09:56	S	3405.41	W	752.98	2.8	3.86	137	3.19	35.4	4.4	1.5	20.2	3.85	0.77	
04.21.2021	19:10:53	S	3405.41	W	752.73	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.78	0.80	
04.21.2021	19:11:53	S	3405.4	W	752.5	2.8	3.86	137	3.19	35.4	4.4	1.5	19.9	3.75	0.75	
04.21.2021	19:12:53	S	3405.4	W	752.24	2.8	3.86	137	3.19	35.4	4.5	1.6	19.6	3.67	0.75	
04.21.2021	19:13:53	S	3405.4	W	752.02	2.8	3.86	137	3.19	35.4	4.4	1.6	19.9	3.69	0.78	
04.21.2021	19:14:53	S	3405.39	W	751.75	2.8	3.86	137	3.19	35.4	4.3	1.6	19.9	3.78	0.77	
04.21.2021	19:15:53	S	3405.38	W	751.53	2.8	3.86	137	3.19	35.4	4.3	1.6	20.0	3.75	0.76	
04.21.2021	19:16:53	S	3405.38	W	751.29	2.8	3.86	137	3.19	35.4	4.3	1.6	20.0	3.72	0.80	
04.21.2021	19:17:53	S	3405.37	W	751.02	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.83	0.74	
04.21.2021	19:18:53	S	3405.35	W	750.78	2.8	3.86	137	3.19	35.4	4.2	1.5	20.1	3.73	0.75	
04.21.2021	19:19:53	S	3405.34	W	750.51	2.8	3.86	137	3.19	35.4	4.2	1.5	20.0	3.73	0.74	
04.21.2021	19:20:55	S	3405.34	W	750.29	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.70	0.70	
04.21.2021	19:21:55	S	3405.33	W	750.02	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.69	0.72	
04.21.2021	19:22:55	S	3405.31	W	749.79	2.8	3.86	137	3.19	35.4	4.3	1.5	19.9	3.77	0.73	
04.21.2021	19:23:55	S	3405.3	W	749.53	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.74	0.77	
04.21.2021	19:24:55	S	3405.29	W	749.3	2.8	3.86	137	3.19	35.4	4.3	1.5	19.7	3.69	0.77	
04.21.2021	19:25:55	S	3405.28	W	749.07	2.8	3.86	137	3.19	35.4	4.3	1.5	19.6	3.80	0.77	
04.21.2021	19:26:55	S	3405.27	W	748.83	2.8	3.86	137	3.19	35.4	4.3	1.5	19.6	3.64	0.73	
04.21.2021	19:27:55	S	3405.26	W	748.55	2.8	3.86	137	3.19	35.4	4.3	1.5	19.7	3.67	0.70	
04.21.2021	19:28:55	S	3405.24	W	748.32	2.8	3.86	137	3.19	35.4	4.4	1.5	19.9	3.64	0.71	
04.21.2021	19:29:55	S	3405.22	W	748.09	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.79	0.80	
04.21.2021	19:30:56	S	3405.2	W	747.83	2.8	3.86	137	3.19	35.4	4.3	1.5	20.2	3.78	0.77	
04.21.2021	19:31:56	S	3405.19	W	747.6	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.82	0.75	
04.21.2021	19:32:56	S	3405.18	W	747.31	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.81	0.79	
04.21.2021	19:33:56	S	3405.18	W	747.17	2.8	3.86	137	3.19	35.4	4.4	1.5	19.7	3.79	0.76	
04.21.2021	19:34:56	S	3405.17	W	746.84	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.78	0.77	
04.21.2021	19:35:56	S	3405.16	W	746.59	2.8	3.86	137	3.19	35.4	4.3	1.5	20.0	3.82	0.75	
04.21.2021	19:36:56	S	3405.15	W	746.32	2.8	3.86	137	3.19	35.4	4.3	1.5	19.7	3.80	0.78	
04.21.2021	19:37:56	S	3405.13	W	746.05	2.8	3.86	137	3.19	35.4	4.2	1.5	19.9	3.83	0.77	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	19:38:56	S	3405.11	W	745.82	2.8	3.86	137	3.19	35.4	4.2	1.5	20.0	3.78	0.75	
04.21.2021	19:39:56	S	3405.09	W	745.56	2.8	3.86	137	3.19	35.4	4.2	1.5	19.9	3.81	0.76	
04.21.2021	19:40:52	S	3405.08	W	745.3	2.8	3.86	137	3.19	35.4	4.3	1.5	19.9	3.78	0.78	
04.21.2021	19:41:52	S	3405.06	W	745.08	2.8	3.86	137	3.19	35.4	4.3	1.5	19.9	3.72	0.75	
04.21.2021	19:42:51	S	3405.05	W	744.79	2.8	3.86	137	3.19	35.4	4.2	1.5	19.9	3.65	0.71	
04.21.2021	19:43:51	S	3405.03	W	744.54	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.69	0.75	
04.21.2021	19:44:51	S	3405.02	W	744.3	2.8	3.86	137	3.19	35.4	4.2	1.5	19.9	3.70	0.75	
04.21.2021	19:45:51	S	3405	W	744.04	2.8	3.86	137	3.19	35.4	4.2	1.5	19.9	3.64	0.75	
04.21.2021	19:46:51	S	3404.99	W	743.81	2.8	3.86	137	3.19	35.4	4.2	1.5	19.7	3.74	0.77	
04.21.2021	19:47:51	S	3404.96	W	743.53	2.8	3.86	137	3.19	35.4	4.2	1.4	19.9	3.78	0.80	
04.21.2021	19:48:51	S	3404.95	W	743.29	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.75	0.72	
04.21.2021	19:49:51	S	3404.92	W	743.07	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.79	0.77	
04.21.2021	19:50:51	S	3404.9	W	742.8	2.8	3.86	137	3.19	35.4	4.2	1.3	20.0	3.72	0.77	
04.21.2021	19:51:51	S	3404.88	W	742.57	2.8	3.86	137	3.19	35.4	4.3	1.3	20.2	3.82	0.81	
04.21.2021	19:52:51	S	3404.85	W	742.31	2.8	3.86	137	3.19	35.4	4.3	1.3	20.1	3.78	0.79	
04.21.2021	19:53:51	S	3404.83	W	742.06	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.83	0.81	
04.21.2021	19:54:51	S	3404.81	W	741.79	2.8	3.86	137	3.19	35.4	4.3	1.4	19.7	3.81	0.77	
04.21.2021	19:55:51	S	3404.79	W	741.59	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.70	0.79	
04.21.2021	19:56:51	S	3404.77	W	741.28	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.74	0.77	
04.21.2021	19:57:51	S	3404.75	W	741.04	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.71	0.75	
04.21.2021	19:58:51	S	3404.74	W	740.81	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.73	0.79	
04.21.2021	19:59:51	S	3404.72	W	740.55	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.64	0.73	
04.21.2021	20:00:51	S	3404.71	W	740.31	2.8	3.86	137	3.19	35.4	4.3	1.4	19.9	3.65	0.74	
04.21.2021	20:01:51	S	3404.69	W	740.04	2.8	3.86	137	3.19	35.4	4.2	1.4	20.0	3.70	0.78	
04.21.2021	20:02:51	S	3404.67	W	739.83	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.74	0.74	
04.21.2021	20:03:51	S	3404.65	W	739.57	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.76	0.75	
04.21.2021	20:04:51	S	3404.63	W	739.33	2.8	3.86	137	3.19	35.4	4.2	1.4	20.3	3.76	0.73	
04.21.2021	20:05:51	S	3404.6	W	739.05	2.8	3.86	137	3.19	35.4	4.2	1.5	20.2	3.71	0.73	
04.21.2021	20:06:51	S	3404.59	W	738.81	2.8	3.86	137	3.19	35.4	4.2	1.5	20.0	3.71	0.70	
04.21.2021	20:07:51	S	3404.56	W	738.56	2.8	3.86	137	3.19	35.4	4.2	1.5	20.1	3.78	0.77	
04.21.2021	20:08:51	S	3404.55	W	738.32	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.78	0.78	
04.21.2021	20:09:51	S	3404.54	W	738.08	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.67	0.68	
04.21.2021	20:10:57	S	3404.55	W	737.79	2.8	3.86	137	3.19	35.4	4.4	1.4	20.1	3.77	0.75	
04.21.2021	20:11:57	S	3404.56	W	737.57	2.8	3.86	137	3.19	35.4	4.4	1.4	20.0	3.75	0.76	
04.21.2021	20:12:57	S	3404.56	W	737.32	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.74	0.76	
04.21.2021	20:13:57	S	3404.57	W	737.06	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.72	0.77	
04.21.2021	20:14:57	S	3404.58	W	736.85	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.68	0.74	
04.21.2021	20:15:57	S	3404.59	W	736.6	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.77	0.75	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	20:16:57	S	3404.59	W	736.35	2.8	3.86	137	3.19	35.4	4.2	1.4	20.0	3.73	0.73
04.21.2021	20:17:57	S	3404.59	W	736.11	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.79	0.81
04.21.2021	20:18:57	S	3404.6	W	735.86	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.77	0.74
04.21.2021	20:19:57	S	3404.6	W	735.62	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.78	0.77
04.21.2021	20:20:56	S	3404.61	W	735.37	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.74	0.80
04.21.2021	20:21:56	S	3404.61	W	735.12	2.8	3.86	137	0.00	0.0	0.0	1.4	0.0	3.73	0.73
04.21.2021	20:22:56	S	3404.62	W	734.87	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.76	0.75
04.21.2021	20:23:56	S	3404.63	W	734.61	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.75	0.71
04.21.2021	20:24:56	S	3404.63	W	734.38	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.74	0.74
04.21.2021	20:25:56	S	3404.64	W	734.11	2.8	3.86	137	3.19	35.4	4.2	1.4	20.2	3.79	0.73
04.21.2021	20:26:56	S	3404.66	W	733.85	2.8	3.86	137	3.19	35.4	4.2	1.4	20.0	3.81	0.79
04.21.2021	20:27:56	S	3404.67	W	733.62	2.8	3.86	137	3.19	35.4	4.2	1.4	19.9	3.80	0.76
04.21.2021	20:28:56	S	3404.68	W	733.35	2.8	3.86	137	3.19	35.4	4.2	1.4	19.9	3.73	0.74
04.21.2021	20:29:56	S	3404.68	W	733.14	2.8	3.86	137	3.19	35.4	4.2	1.4	19.9	3.78	0.77
04.21.2021	20:30:52	S	3404.68	W	732.9	2.8	3.86	137	3.19	35.4	4.2	1.4	20.4	3.63	0.69
04.21.2021	20:31:52	S	3404.7	W	732.66	2.8	3.86	137	3.19	35.4	4.3	1.4	20.3	3.77	0.75
04.21.2021	20:32:52	S	3404.72	W	732.4	2.8	3.86	137	3.19	35.4	4.3	1.4	20.1	3.64	0.71
04.21.2021	20:33:52	S	3404.73	W	732.14	2.8	3.86	137	3.19	35.4	4.2	1.4	19.9	3.67	0.77
04.21.2021	20:34:52	S	3404.74	W	731.91	2.8	3.86	137	3.19	35.4	4.2	1.4	20.1	3.83	0.78
04.21.2021	20:35:52	S	3404.74	W	731.83	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.86	0.82
04.21.2021	20:36:52	S	3404.76	W	731.43	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.72	0.74
04.21.2021	20:37:52	S	3404.77	W	731.19	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.71	0.77
04.21.2021	20:38:52	S	3404.79	W	730.94	2.8	3.86	137	3.19	35.4	4.3	1.4	20.2	3.82	0.77
04.21.2021	20:39:52	S	3404.8	W	730.7	2.8	3.86	137	3.19	35.4	4.3	1.4	20.0	3.83	0.79
04.21.2021	20:40:53	S	3404.81	W	730.43	2.8	3.86	137	3.19	35.4	4.3	1.5	19.9	3.76	0.73
04.21.2021	20:41:53	S	3404.82	W	730.21	2.8	3.86	137	3.19	35.4	4.2	1.5	19.9	3.76	0.75
04.21.2021	20:42:53	S	3404.83	W	729.94	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.78	0.77
04.21.2021	20:43:53	S	3404.85	W	729.7	2.8	3.86	137	3.19	35.4	4.4	1.5	20.0	3.74	0.72
04.21.2021	20:44:53	S	3404.85	W	729.46	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.71	0.73
04.21.2021	20:45:53	S	3404.85	W	729.22	2.8	3.86	137	3.19	35.4	4.2	1.5	20.3	3.68	0.72
04.21.2021	20:46:53	S	3404.87	W	728.98	2.8	3.86	137	3.19	35.4	4.2	1.5	20.3	3.79	0.80
04.21.2021	20:47:53	S	3404.89	W	728.73	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.71	0.74
04.21.2021	20:48:53	S	3404.91	W	728.5	2.8	3.86	137	3.19	35.4	4.3	1.5	20.2	3.69	0.81
04.21.2021	20:49:53	S	3404.92	W	728.29	2.8	3.86	137	3.19	35.4	4.3	1.5	20.1	3.76	0.75
04.21.2021	20:50:54	S	3404.94	W	728.02	2.8	3.86	137	3.19	35.4	4.2	1.5	20.1	3.68	0.76
04.21.2021	20:51:54	S	3404.96	W	727.77	2.8	3.86	137	3.19	35.4	4.2	1.5	20.3	3.77	0.74
04.21.2021	20:52:54	S	3404.98	W	727.53	2.8	3.85	137	3.19	35.4	4.3	1.5	20.5	3.80	0.81
04.21.2021	20:53:54	S	3404.99	W	727.31	2.8	3.85	137	3.19	35.4	4.2	1.5	20.3	3.83	0.76

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	20:54:54	S	3405	W	727.07	2.8	3.85	137	3.19	35.4	4.2	1.5	20.1	3.75	0.75	
04.21.2021	20:55:54	S	3405.01	W	726.86	2.8	3.85	137	3.19	35.4	4.3	1.5	20.1	3.69	0.74	
04.21.2021	20:56:54	S	3405.02	W	726.6	2.8	3.85	137	3.19	35.4	4.2	1.5	20.1	3.78	0.76	
04.21.2021	20:57:54	S	3405.04	W	726.35	2.8	3.85	137	3.19	35.4	4.4	1.5	20.1	3.71	0.70	
04.21.2021	20:58:54	S	3405.06	W	726.12	2.8	3.85	137	3.19	35.4	4.6	1.5	20.3	3.76	0.75	
04.21.2021	20:59:54	S	3405.08	W	725.88	2.8	3.85	137	3.19	35.4	4.4	1.5	20.2	3.76	0.72	
04.21.2021	21:00:52	S	3405.1	W	725.64	2.8	3.85	137	3.19	35.4	4.4	1.5	20.1	3.70	0.73	
04.21.2021	21:01:52	S	3405.1	W	725.4	2.8	3.85	137	3.19	35.4	4.2	1.5	20.2	3.77	0.80	
04.21.2021	21:02:52	S	3405.11	W	725.16	2.8	3.85	137	3.19	35.4	4.2	1.5	20.4	3.69	0.76	
04.21.2021	21:03:52	S	3405.12	W	724.9	2.8	3.85	137	3.19	35.4	4.3	1.5	20.4	3.70	0.74	
04.21.2021	21:04:52	S	3405.13	W	724.66	2.8	3.85	137	3.19	35.4	4.3	1.5	20.4	3.71	0.76	
04.21.2021	21:05:52	S	3405.13	W	724.43	2.8	3.85	137	3.19	35.4	4.2	1.5	20.6	3.68	0.77	
04.21.2021	21:06:52	S	3405.15	W	724.17	2.8	3.85	137	3.19	35.4	4.3	1.5	20.5	3.81	0.78	
04.21.2021	21:07:52	S	3405.16	W	723.95	2.8	3.85	137	3.19	35.4	4.3	1.5	20.4	3.73	0.72	
04.21.2021	21:08:52	S	3405.17	W	723.69	2.8	3.82	135	3.19	35.4	4.3	1.5	20.2	3.66	0.71	
04.21.2021	21:09:52	S	3405.19	W	723.46	2.8	3.82	135	3.19	35.4	4.2	1.5	20.4	3.80	0.77	
04.21.2021	21:10:59	S	3405.21	W	723.23	2.8	3.82	135	3.19	35.4	4.4	1.5	20.1	3.77	0.76	
04.21.2021	21:11:59	S	3405.23	W	722.96	2.8	3.82	135	3.19	35.4	4.3	1.5	20.2	3.78	0.78	
04.21.2021	21:12:59	S	3405.24	W	722.73	2.8	3.82	135	3.19	35.4	4.2	1.5	20.4	3.63	0.70	
04.21.2021	21:13:59	S	3405.25	W	722.48	2.8	3.82	135	3.19	35.4	4.2	1.5	20.4	3.86	0.80	
04.21.2021	21:14:59	S	3405.26	W	722.23	2.8	3.82	135	3.19	35.4	4.1	1.4	20.2	3.79	0.73	
04.21.2021	21:15:59	S	3405.27	W	722	2.8	3.82	135	3.19	35.4	4.2	1.4	20.3	3.78	0.75	
04.21.2021	21:16:59	S	3405.28	W	721.78	2.8	3.82	135	3.19	35.4	4.2	1.4	20.2	3.71	0.73	
04.21.2021	21:17:59	S	3405.3	W	721.52	2.8	3.82	135	3.19	35.4	4.2	1.4	20.3	3.74	0.75	
04.21.2021	21:18:59	S	3405.31	W	721.28	2.8	3.82	135	3.19	35.4	4.3	1.4	20.3	3.64	0.71	
04.21.2021	21:19:59	S	3405.32	W	721.02	2.8	3.82	135	3.19	35.4	4.3	1.4	20.0	3.66	0.79	
04.21.2021	21:20:52	S	3405.33	W	720.78	2.8	3.82	135	3.19	35.4	4.3	1.4	19.9	3.71	0.75	
04.21.2021	21:21:52	S	3405.34	W	720.56	2.8	3.82	135	3.19	35.4	4.3	1.5	20.0	3.66	0.73	
04.21.2021	21:22:52	S	3405.34	W	720.29	2.8	3.82	135	3.19	35.4	4.3	1.5	20.1	3.91	0.82	
04.21.2021	21:23:52	S	3405.35	W	720.07	2.8	3.82	135	3.19	35.4	4.3	1.5	20.2	3.71	0.73	
04.21.2021	21:24:52	S	3405.37	W	719.81	2.8	3.82	135	3.19	35.4	4.3	1.5	20.2	3.74	0.75	
04.21.2021	21:25:52	S	3405.37	W	719.58	2.8	3.82	135	3.19	35.4	4.3	1.5	20.2	3.82	0.76	
04.21.2021	21:26:52	S	3405.38	W	719.36	2.8	3.82	135	3.19	35.4	4.3	1.5	20.2	3.77	0.75	
04.21.2021	21:27:52	S	3405.39	W	719.12	2.8	3.82	135	3.19	35.4	4.3	1.5	20.0	3.89	0.80	
04.21.2021	21:28:52	S	3405.39	W	718.88	2.8	3.82	135	3.19	35.4	4.3	1.5	20.0	3.73	0.75	
04.21.2021	21:29:52	S	3405.4	W	718.61	2.8	3.82	135	3.19	35.4	4.3	1.5	20.0	3.69	0.70	
04.21.2021	21:30:52	S	3405.41	W	718.36	2.8	3.82	135	3.19	35.4	4.4	1.5	20.2	3.74	0.75	
04.21.2021	21:31:52	S	3405.42	W	718.13	2.8	3.82	135	3.19	35.4	4.4	1.5	20.1	3.71	0.75	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	21:32:52	S	3405.43	W	717.9	2.8	3.82	135	3.19	35.4	4.4	1.5	20.1	3.60	0.65
04.21.2021	21:33:52	S	3405.44	W	717.65	2.8	3.82	135	3.19	35.4	4.4	1.5	20.2	3.74	0.76
04.21.2021	21:34:52	S	3405.45	W	717.39	2.8	3.82	135	3.19	35.4	4.4	1.5	20.2	3.67	0.76
04.21.2021	21:35:52	S	3405.46	W	717.13	2.8	3.82	135	3.19	35.4	4.3	1.5	20.1	3.67	0.76
04.21.2021	21:36:52	S	3405.47	W	716.93	2.8	3.82	135	3.19	35.4	4.3	1.5	20.1	3.66	0.73
04.21.2021	21:37:52	S	3405.48	W	716.66	2.8	3.82	135	3.19	35.4	4.4	1.5	20.1	3.83	0.84
04.21.2021	21:38:52	S	3405.48	W	716.45	2.8	3.82	135	3.19	35.4	4.3	1.5	20.3	3.73	0.73
04.21.2021	21:39:52	S	3405.49	W	716.19	2.8	3.82	135	3.19	35.4	4.4	1.5	20.0	3.74	0.76
04.21.2021	21:40:57	S	3405.5	W	715.96	2.8	3.82	135	3.19	35.4	4.4	1.6	20.0	3.82	0.84
04.21.2021	21:41:57	S	3405.51	W	715.7	2.8	3.82	135	3.19	35.4	4.4	1.6	19.9	3.83	0.74
04.21.2021	21:42:57	S	3405.51	W	715.44	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.73	0.70
04.21.2021	21:43:57	S	3405.51	W	715.19	2.8	3.82	135	3.19	35.4	4.3	1.6	20.0	3.70	0.72
04.21.2021	21:44:57	S	3405.52	W	714.99	2.8	3.82	135	3.19	35.4	4.3	1.6	20.3	3.67	0.68
04.21.2021	21:45:57	S	3405.53	W	714.7	2.8	3.82	135	3.19	35.4	4.3	1.6	20.4	3.73	0.72
04.21.2021	21:46:57	S	3405.53	W	714.5	2.8	3.82	135	3.19	35.4	4.3	1.6	20.3	3.69	0.70
04.21.2021	21:47:57	S	3405.53	W	714.23	2.8	3.82	135	3.19	35.4	4.2	1.5	20.6	3.78	0.73
04.21.2021	21:48:57	S	3405.54	W	713.99	2.8	3.82	135	3.19	35.4	4.2	1.5	20.5	3.85	0.78
04.21.2021	21:49:57	S	3405.55	W	713.75	2.8	3.82	135	3.19	35.4	4.3	1.5	20.1	3.72	0.75
04.21.2021	21:50:59	S	3405.56	W	713.51	2.8	3.82	135	3.19	35.4	4.5	1.5	19.7	3.76	0.70
04.21.2021	21:51:59	S	3405.56	W	713.23	2.8	3.82	135	3.19	35.4	4.3	1.5	20.0	3.68	0.71
04.21.2021	21:52:59	S	3405.56	W	713.01	2.8	3.82	135	3.19	35.4	4.2	1.5	20.0	3.71	0.78
04.21.2021	21:53:59	S	3405.57	W	712.79	2.8	3.82	135	3.19	35.4	4.2	1.5	20.2	3.70	0.75
04.21.2021	21:54:59	S	3405.57	W	712.53	2.8	3.82	135	3.19	35.4	4.2	1.4	20.2	3.69	0.71
04.21.2021	21:55:59	S	3405.58	W	712.3	2.8	3.82	135	3.19	35.4	4.2	1.4	20.3	3.70	0.75
04.21.2021	21:56:59	S	3405.58	W	712.04	2.8	3.82	135	3.19	35.4	4.3	1.4	20.2	3.77	0.80
04.21.2021	21:57:59	S	3405.58	W	711.82	2.8	3.82	135	3.19	35.4	4.3	1.4	20.1	3.72	0.75
04.21.2021	21:58:59	S	3405.58	W	711.6	2.8	3.82	135	3.19	35.4	4.3	1.4	20.1	3.76	0.75
04.21.2021	21:59:59	S	3405.58	W	711.37	2.8	3.82	135	3.19	35.4	4.2	1.4	20.0	3.86	0.82
04.21.2021	22:00:57	S	3405.58	W	711.12	2.8	3.82	135	3.19	35.4	4.3	1.4	20.1	3.73	0.74
04.21.2021	22:01:57	S	3405.59	W	710.86	2.8	3.82	135	3.19	35.4	4.3	1.4	20.0	3.83	0.80
04.21.2021	22:02:57	S	3405.59	W	710.6	2.8	3.82	135	3.19	35.4	4.4	1.5	19.9	3.75	0.74
04.21.2021	22:03:57	S	3405.6	W	710.38	2.8	3.82	135	3.19	35.4	4.4	1.5	19.9	3.80	0.74
04.21.2021	22:04:57	S	3405.6	W	710.12	2.8	3.82	135	3.19	35.4	4.3	1.5	20.0	3.74	0.77
04.21.2021	22:05:57	S	3405.6	W	709.91	2.8	3.82	135	3.19	35.4	4.3	1.5	19.7	3.72	0.74
04.21.2021	22:06:57	S	3405.61	W	709.67	2.8	3.82	135	3.19	35.4	4.4	1.5	20.0	3.70	0.72
04.21.2021	22:07:57	S	3405.62	W	709.42	2.8	3.82	135	3.19	35.4	4.4	1.5	20.1	3.69	0.73
04.21.2021	22:08:57	S	3405.63	W	709.2	2.8	3.82	135	3.19	35.4	4.5	1.5	19.9	3.74	0.78
04.21.2021	22:09:57	S	3405.66	W	708.97	2.8	3.82	135	3.19	35.4	4.5	1.5	19.9	3.65	0.76

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	22:10:54	S	3405.68	W	708.72	2.8	3.82	135	3.19	35.4	4.5	1.5	19.6	3.77	0.76	
04.21.2021	22:11:54	S	3405.69	W	708.51	2.8	3.82	135	3.19	35.4	4.3	1.6	19.6	3.76	0.76	
04.21.2021	22:12:54	S	3405.7	W	708.28	2.8	3.82	135	3.19	35.4	4.3	1.6	19.7	3.76	0.74	
04.21.2021	22:13:54	S	3405.71	W	708.02	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.76	0.76	
04.21.2021	22:14:54	S	3405.72	W	707.81	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.78	0.77	
04.21.2021	22:15:54	S	3405.73	W	707.58	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.88	0.79	
04.21.2021	22:16:54	S	3405.74	W	707.36	2.8	3.82	135	3.19	35.4	4.4	1.6	20.0	3.74	0.77	
04.21.2021	22:17:54	S	3405.76	W	707.1	2.8	3.82	135	3.19	35.4	4.4	1.6	20.0	3.75	0.78	
04.21.2021	22:18:54	S	3405.77	W	706.85	2.8	3.82	135	3.19	35.4	4.3	1.6	20.0	3.76	0.77	
04.21.2021	22:19:54	S	3405.79	W	706.62	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.72	0.77	
04.21.2021	22:20:53	S	3405.8	W	706.41	2.8	3.82	135	3.19	35.4	4.3	1.5	19.7	3.78	0.79	
04.21.2021	22:21:53	S	3405.8	W	706.36	2.8	3.82	135	3.19	35.4	4.4	1.5	19.7	3.71	0.79	
04.21.2021	22:22:53	S	3405.85	W	705.94	2.8	3.82	135	3.19	35.4	4.4	1.5	19.7	3.70	0.75	
04.21.2021	22:23:53	S	3405.87	W	705.7	2.8	3.82	135	3.19	35.4	4.3	1.5	19.7	3.65	0.67	
04.21.2021	22:24:53	S	3405.89	W	705.45	2.8	3.82	135	3.19	35.4	4.3	1.5	19.7	3.73	0.78	
04.21.2021	22:25:53	S	3405.9	W	705.23	2.8	3.82	135	3.19	35.4	4.2	1.5	20.0	3.70	0.72	
04.21.2021	22:26:53	S	3405.91	W	705.02	2.8	3.82	135	3.19	35.4	4.2	1.5	20.0	3.77	0.84	
04.21.2021	22:27:53	S	3405.93	W	704.74	2.8	3.82	135	3.19	35.4	4.3	1.5	19.7	3.82	0.77	
04.21.2021	22:28:53	S	3405.94	W	704.51	2.8	3.82	135	3.19	35.4	4.2	1.5	19.7	3.70	0.69	
04.21.2021	22:29:53	S	3405.95	W	704.33	2.8	3.82	135	3.19	35.4	4.2	1.4	19.9	3.78	0.82	
04.21.2021	22:30:56	S	3405.97	W	704.07	2.8	3.82	135	3.19	35.4	4.3	1.4	19.7	3.67	0.67	
04.21.2021	22:31:56	S	3405.99	W	703.84	2.8	3.82	135	3.19	35.4	4.3	1.4	19.6	3.84	0.82	
04.21.2021	22:32:56	S	3406	W	703.59	2.8	3.82	135	3.19	35.4	4.2	1.4	19.9	3.79	0.74	
04.21.2021	22:33:56	S	3406.01	W	703.35	2.8	3.82	135	3.19	35.4	4.2	1.4	20.0	3.75	0.74	
04.21.2021	22:34:56	S	3406.02	W	703.14	2.8	3.82	135	3.19	35.4	4.3	1.4	20.1	3.76	0.75	
04.21.2021	22:35:56	S	3406.04	W	702.89	2.8	3.82	135	3.19	35.4	4.3	1.4	20.2	3.79	0.77	
04.21.2021	22:36:56	S	3406.06	W	702.64	2.8	3.82	135	3.19	35.4	4.5	1.4	20.0	3.75	0.79	
04.21.2021	22:37:56	S	3406.09	W	702.4	2.8	3.82	135	3.19	35.4	4.5	1.4	19.7	3.62	0.66	
04.21.2021	22:38:56	S	3406.1	W	702.18	2.8	3.82	135	3.19	35.4	4.6	1.4	19.5	3.73	0.82	
04.21.2021	22:39:56	S	3406.12	W	701.95	2.8	3.82	135	3.19	35.4	4.4	1.4	19.7	3.71	0.76	
04.21.2021	22:40:54	S	3406.13	W	701.71	2.8	3.82	135	3.19	35.4	4.3	1.5	19.9	3.73	0.85	
04.21.2021	22:41:54	S	3406.15	W	701.46	2.8	3.82	135	3.19	35.4	4.9	1.5	19.4	3.79	0.74	
04.21.2021	22:42:54	S	3406.16	W	701.23	2.8	3.82	135	3.19	35.4	4.9	1.5	19.6	3.78	0.75	
04.21.2021	22:43:54	S	3406.18	W	701	2.8	3.82	135	3.19	35.4	4.6	1.6	19.9	3.86	0.84	
04.21.2021	22:44:54	S	3406.2	W	700.77	2.8	3.82	135	3.19	35.4	4.4	1.6	19.9	3.76	0.75	
04.21.2021	22:45:54	S	3406.22	W	700.55	2.8	3.82	135	3.19	35.4	4.5	1.6	19.6	3.72	0.72	
04.21.2021	22:46:54	S	3406.24	W	700.33	2.8	3.82	135	3.19	35.4	4.4	1.7	19.7	3.77	0.78	
04.21.2021	22:47:54	S	3406.25	W	700.1	2.8	3.82	135	3.19	35.4	4.3	1.7	20.0	3.83	0.78	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	22:48:54	S	3406.27	W	659.86	2.8	3.82	135	3.19	35.4	4.3	1.7	19.9	3.75	0.73
04.21.2021	22:49:54	S	3406.28	W	659.62	2.8	3.82	135	3.19	35.4	4.4	1.7	19.9	3.83	0.81
04.21.2021	22:50:53	S	3406.3	W	659.41	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.69	0.73
04.21.2021	22:51:53	S	3406.32	W	659.15	2.8	3.82	135	3.19	35.4	4.4	1.6	19.9	3.78	0.81
04.21.2021	22:52:53	S	3406.33	W	658.92	2.8	3.82	135	3.19	35.4	4.4	1.6	19.7	3.75	0.73
04.21.2021	22:53:53	S	3406.35	W	658.71	2.8	3.82	135	3.19	35.4	4.4	1.6	19.7	3.73	0.75
04.21.2021	22:54:53	S	3406.35	W	658.47	2.8	3.82	135	3.19	35.4	4.3	1.6	19.7	3.68	0.72
04.21.2021	22:55:53	S	3406.36	W	658.25	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.65	0.71
04.21.2021	22:56:53	S	3406.37	W	658.01	2.8	3.82	135	3.19	35.4	4.3	1.6	20.0	3.78	0.77
04.21.2021	22:57:53	S	3406.37	W	657.75	2.8	3.82	135	3.19	35.4	4.3	1.6	19.9	3.69	0.72
04.21.2021	22:58:53	S	3406.37	W	657.54	2.8	3.82	135	3.19	35.4	4.3	1.5	20.1	3.77	0.78
04.21.2021	22:59:53	S	3406.38	W	657.28	2.8	3.82	135	3.19	35.4	4.3	1.5	20.2	3.87	0.80
04.21.2021	23:00:57	S	3406.39	W	657.04	2.8	3.82	135	3.19	35.4	4.3	1.5	20.0	3.78	0.77
04.21.2021	23:01:57	S	3406.4	W	656.83	2.8	3.82	135	3.19	35.4	4.3	1.4	19.9	3.82	0.79
04.21.2021	23:02:57	S	3406.41	W	656.6	2.8	3.82	135	3.19	35.4	4.3	1.4	19.9	3.68	0.69
04.21.2021	23:03:57	S	3406.42	W	656.37	2.8	3.82	135	3.19	35.4	4.3	1.4	20.1	3.74	0.79
04.21.2021	23:04:57	S	3406.44	W	656.1	2.8	3.82	135	3.19	35.4	4.4	1.4	20.0	3.77	0.72
04.21.2021	23:05:57	S	3406.46	W	655.89	2.8	3.82	135	3.19	35.4	4.3	1.4	20.1	3.77	0.77
04.21.2021	23:06:57	S	3406.47	W	655.66	2.8	3.82	135	3.19	35.4	4.3	1.4	19.7	3.76	0.71
04.21.2021	23:07:57	S	3406.47	W	655.41	2.8	3.82	135	3.19	35.4	4.2	1.4	19.7	3.79	0.78
04.21.2021	23:08:57	S	3406.46	W	655.2	2.8	3.82	135	3.19	35.4	4.2	1.4	20.0	3.69	0.71
04.21.2021	23:09:57	S	3406.46	W	654.95	2.8	3.82	135	3.19	35.4	4.1	1.4	20.1	3.79	0.75
04.21.2021	23:10:55	S	3406.47	W	654.74	2.8	3.82	135	3.19	35.4	4.2	1.4	20.1	3.75	0.76
04.21.2021	23:11:55	S	3406.48	W	654.47	2.8	3.82	135	3.19	35.4	4.3	1.4	20.0	3.69	0.76
04.21.2021	23:12:55	S	3406.49	W	654.23	2.8	3.82	135	3.19	35.4	4.2	1.4	19.7	3.70	0.72
04.21.2021	23:13:55	S	3406.5	W	654.01	2.8	3.82	135	3.19	35.4	4.3	1.4	19.7	3.79	0.75
04.21.2021	23:14:55	S	3406.51	W	653.79	2.8	3.82	135	3.19	35.4	4.2	1.3	19.9	3.81	0.77
04.21.2021	23:15:55	S	3406.51	W	653.54	2.8	3.82	135	3.19	35.4	4.1	1.3	19.7	3.72	0.69
04.21.2021	23:16:55	S	3406.51	W	653.3	2.8	3.82	135	3.19	35.4	4.1	1.3	20.0	3.75	0.75
04.21.2021	23:17:55	S	3406.51	W	653.08	2.8	3.82	135	3.19	35.4	4.1	1.4	19.9	3.67	0.70
04.21.2021	23:18:55	S	3406.51	W	652.86	2.8	3.82	135	3.19	35.4	4.2	1.4	19.9	3.76	0.70
04.21.2021	23:19:55	S	3406.52	W	652.59	2.8	3.82	135	3.19	35.4	4.2	1.4	19.9	3.80	0.76
04.21.2021	23:20:52	S	3406.52	W	652.4	2.8	3.82	135	3.19	35.4	4.2	1.4	19.6	3.75	0.74
04.21.2021	23:21:52	S	3406.52	W	652.17	2.8	3.82	135	3.19	35.4	4.2	1.3	19.9	3.81	0.76
04.21.2021	23:22:52	S	3406.53	W	651.92	2.8	3.82	135	3.19	35.4	4.2	1.3	19.7	3.72	0.72
04.21.2021	23:23:52	S	3406.53	W	651.69	2.8	3.82	135	3.19	35.4	4.2	1.3	19.7	3.81	0.75
04.21.2021	23:24:52	S	3406.53	W	651.44	2.8	3.82	135	3.19	35.4	4.1	1.3	19.7	3.76	0.74
04.21.2021	23:25:52	S	3406.52	W	651.21	2.8	3.82	135	3.19	35.4	4.2	1.3	19.5	3.67	0.76

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.21.2021	23:26:52	S	3406.52	W	650.99	2.8	3.82	135	3.19	35.4	4.2	1.3	19.4	3.68	0.69
04.21.2021	23:27:52	S	3406.53	W	650.75	2.8	3.82	135	3.19	35.4	4.3	1.3	19.2	3.62	0.77
04.21.2021	23:28:52	S	3406.54	W	650.51	2.8	3.82	135	3.19	35.4	4.3	1.3	19.2	3.71	0.74
04.21.2021	23:29:52	S	3406.55	W	650.29	2.8	3.82	135	3.19	35.4	4.2	1.3	19.3	3.71	0.74
04.21.2021	23:30:52	S	3406.55	W	650.08	2.8	3.82	135	3.19	35.4	4.2	1.4	19.4	3.83	0.77
04.21.2021	23:31:52	S	3406.56	W	649.82	2.8	3.82	135	3.19	35.4	4.2	1.4	19.5	3.78	0.78
04.21.2021	23:32:52	S	3406.56	W	649.58	2.8	3.82	135	3.19	35.4	4.3	1.4	19.4	3.79	0.79
04.21.2021	23:33:52	S	3406.57	W	649.37	2.8	3.82	135	3.19	35.4	4.3	1.4	19.3	3.73	0.75
04.21.2021	23:34:52	S	3406.58	W	649.14	2.8	3.82	135	3.19	35.4	4.3	1.4	19.2	3.72	0.73
04.21.2021	23:35:52	S	3406.58	W	648.9	2.8	3.82	135	3.19	35.4	4.4	1.4	19.0	3.69	0.67
04.21.2021	23:36:52	S	3406.59	W	648.65	2.8	3.82	135	3.19	35.4	4.3	1.4	19.3	3.70	0.73
04.21.2021	23:37:52	S	3406.59	W	648.41	2.8	3.82	135	3.19	35.4	4.3	1.4	19.4	3.81	0.77
04.21.2021	23:38:52	S	3406.6	W	648.21	2.8	3.82	135	3.19	35.4	4.2	1.4	19.5	3.78	0.80
04.21.2021	23:39:52	S	3406.6	W	647.96	2.8	3.82	135	3.19	35.4	4.3	1.4	19.4	3.73	0.72
04.21.2021	23:40:56	S	3406.6	W	647.76	2.8	3.82	135	3.19	35.4	4.2	1.5	19.3	3.78	0.78
04.21.2021	23:41:56	S	3406.6	W	647.52	2.8	3.82	135	3.19	35.4	4.2	1.5	19.4	3.68	0.73
04.21.2021	23:42:56	S	3406.6	W	647.29	2.8	3.82	135	3.19	35.4	4.2	1.5	19.3	3.72	0.78
04.21.2021	23:43:56	S	3406.6	W	647.03	2.8	3.82	135	3.19	35.4	4.2	1.4	19.3	3.65	0.66
04.21.2021	23:44:56	S	3406.61	W	646.82	2.8	3.82	135	3.19	35.4	4.4	1.4	19.2	3.70	0.74
04.21.2021	23:45:56	S	3406.62	W	646.56	2.8	3.82	135	3.19	35.4	4.3	1.5	19.3	3.71	0.75
04.21.2021	23:46:56	S	3406.62	W	646.37	2.8	3.82	135	3.19	35.4	4.3	1.5	19.3	3.81	0.77
04.21.2021	23:47:56	S	3406.63	W	646.14	2.8	3.82	135	3.19	35.4	4.3	1.5	19.2	3.74	0.76
04.21.2021	23:48:56	S	3406.63	W	645.87	2.8	3.82	135	3.19	35.4	4.2	1.5	19.3	3.75	0.77
04.21.2021	23:49:56	S	3406.65	W	645.63	2.8	3.82	135	3.19	35.4	4.3	1.5	19.5	3.84	0.81
04.21.2021	23:50:58	S	3406.66	W	645.44	2.8	3.82	135	3.19	35.4	4.3	1.5	19.5	3.60	0.72
04.21.2021	23:51:58	S	3406.68	W	645.18	2.8	3.82	135	3.19	35.4	4.5	1.5	19.4	3.80	0.79
04.21.2021	23:52:58	S	3406.69	W	644.99	2.8	3.82	135	3.19	35.4	4.3	1.5	19.4	3.73	0.73
04.21.2021	23:53:58	S	3406.7	W	644.73	2.8	3.82	135	3.19	35.4	4.2	1.5	19.4	3.70	0.72
04.21.2021	23:54:58	S	3406.7	W	644.48	2.8	3.82	135	3.19	35.4	4.2	1.5	19.6	3.79	0.78
04.21.2021	23:55:58	S	3406.71	W	644.25	2.8	3.82	135	3.19	35.4	4.2	1.5	19.5	3.76	0.78
04.21.2021	23:56:58	S	3406.71	W	644.04	2.8	3.82	135	3.19	35.4	4.1	1.5	19.3	3.67	0.74
04.21.2021	23:57:58	S	3406.72	W	643.82	2.8	3.82	135	3.19	35.4	4.2	1.5	19.4	3.74	0.81
04.21.2021	23:58:58	S	3406.73	W	643.57	2.8	3.82	135	3.19	35.4	4.2	1.5	19.3	3.70	0.77
04.21.2021	23:59:58	S	3406.74	W	643.32	2.8	3.82	135	3.19	35.4	4.2	1.5	19.4	3.70	0.80

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	00:00:53	S	3352.88	W	1232.66	49	50	5	189.04	21.04	42	10.51	0.00	0.15	0.83	
04.21.2021	00:01:53	S	3352.88	W	1232.45	43	44	3	189.28	21.11	40	10.53	0.00	0.15	0.83	
04.21.2021	00:02:53	S	3352.89	W	1232.2	48	49	3	189.06	21.07	45	10.50	0.00	0.16	0.84	
04.21.2021	00:03:53	S	3352.89	W	1231.98	46	48	3	189.08	21.05	42	10.51	0.00	0.16	0.84	
04.21.2021	00:04:53	S	3352.89	W	1231.73	45	46	3	189.30	21.08	43	10.51	0.00	0.15	-0.35	
04.21.2021	00:05:53	S	3352.89	W	1231.49	50	50	7	189.04	21.06	43	10.51	0.00	0.17	-0.36	
04.21.2021	00:06:53	S	3352.89	W	1231.28	43	43	3	189.15	21.09	39	10.52	0.00	0.15	-0.36	
04.21.2021	00:07:53	S	3352.9	W	1231.02	48	49	5	188.98	21.04	43	10.50	0.00	0.14	-0.36	
04.21.2021	00:08:53	S	3352.9	W	1230.79	44	46	2	188.87	21.04	42	10.51	0.00	0.14	-0.36	
04.21.2021	00:09:53	S	3352.9	W	1230.54	47	47	3	188.89	21.04	44	10.51	0.00	0.13	0.83	
04.21.2021	00:10:46	S	3352.9	W	1230.31	48	50	6	188.89	21.04	42	10.50	0.00	0.16	0.83	
04.21.2021	00:11:46	S	3352.91	W	1230.07	44	45	2	189.13	21.10	42	10.51	0.00	0.19	0.83	
04.21.2021	00:12:46	S	3352.91	W	1229.87	50	50	6	189.34	21.14	44	10.52	0.00	0.18	0.85	
04.21.2021	00:13:46	S	3352.92	W	1229.6	44	46	-0	189.13	21.04	44	10.51	0.00	0.15	0.82	
04.21.2021	00:14:46	S	3352.92	W	1229.39	49	49	6	189.45	21.10	42	10.51	0.00	0.17	-0.34	
04.21.2021	00:15:46	S	3352.91	W	1229.14	48	49	3	189.76	21.17	45	10.52	0.00	0.14	-0.36	
04.21.2021	00:16:46	S	3352.92	W	1228.89	46	46	3	189.58	21.10	43	10.50	0.00	0.14	-0.36	
04.21.2021	00:17:46	S	3352.92	W	1228.67	48	49	7	189.58	21.07	41	10.52	0.00	0.15	-0.35	
04.21.2021	00:18:46	S	3352.92	W	1228.41	44	45	1	189.61	21.09	43	10.48	0.00	0.13	-0.36	
04.21.2021	00:19:46	S	3352.92	W	1228.18	48	49	7	189.56	21.10	41	10.52	0.00	0.16	0.86	
04.21.2021	00:20:49	S	3352.92	W	1227.93	48	51	1	189.47	21.10	48	10.51	0.00	0.15	0.87	
04.21.2021	00:21:49	S	3352.92	W	1227.66	47	46	5	189.28	21.05	40	10.51	0.00	0.16	0.83	
04.21.2021	00:22:49	S	3352.93	W	1227.47	50	50	6	189.13	21.06	43	10.53	0.00	0.15	0.86	
04.21.2021	00:23:49	S	3352.93	W	1227.2	44	45	1	188.78	20.96	43	10.51	0.00	0.16	0.87	
04.21.2021	00:24:49	S	3352.94	W	1226.98	47	49	7	188.56	20.84	41	10.51	0.00	0.15	-0.37	
04.21.2021	00:25:49	S	3352.95	W	1226.73	46	48	-3	188.65	20.84	50	10.49	0.00	0.15	-0.36	
04.21.2021	00:26:49	S	3352.95	W	1226.49	44	44	5	188.13	20.62	38	10.51	0.00	0.15	-0.37	
04.21.2021	00:27:49	S	3352.96	W	1226.23	47	49	4	188.45	20.69	44	10.53	0.00	0.15	-0.35	
04.21.2021	00:28:49	S	3352.96	W	1225.99	44	45	2	188.52	20.67	43	10.51	0.00	0.13	-0.35	
04.21.2021	00:29:49	S	3352.97	W	1225.74	47	48	5	188.37	20.57	42	10.51	0.00	0.14	-0.37	
04.21.2021	00:30:50	S	3352.97	W	1225.55	46	46	1	188.37	20.59	44	10.52	0.00	0.15	0.83	
04.21.2021	00:31:50	S	3352.98	W	1225.27	44	45	8	188.56	20.57	36	10.52	0.00	0.17	0.83	
04.21.2021	00:32:50	S	3352.98	W	1225.27	48	49	1	188.41	20.53	47	10.51	0.00	0.16	0.84	
04.21.2021	00:33:50	S	3352.98	W	1224.78	42	43	4	188.65	20.55	37	10.50	0.00	-0.01	0.84	
04.21.2021	00:34:50	S	3352.99	W	1224.54	48	49	3	188.67	20.50	44	10.51	0.00	0.15	0.84	
04.21.2021	00:35:50	S	3352.99	W	1224.31	47	48	1	188.87	20.56	46	10.49	0.00	0.15	-0.38	
04.21.2021	00:36:50	S	3353	W	1224.09	46	46	6	189.19	20.59	40	10.51	0.00	0.15	-0.36	
04.21.2021	00:37:50	S	3353.01	W	1223.83	48	49	2	189.24	20.59	47	10.51	0.00	0.14	-0.37	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	00:38:50	S	3353.02	W	1223.59	43	45	5	189.15	20.56	38	10.51	0.00	0.13	-0.36	
04.21.2021	00:39:50	S	3353.02	W	1223.39	48	49	2	189.47	20.56	47	10.52	0.00	0.15	-0.35	
04.21.2021	00:40:53	S	3353.03	W	1223.13	46	48	3	189.69	20.59	43	10.51	0.00	0.14	0.85	
04.21.2021	00:41:53	S	3353.03	W	1222.9	47	48	6	189.87	20.59	42	10.51	0.00	0.17	0.85	
04.21.2021	00:42:53	S	3353.04	W	1222.64	53	53	3	189.95	20.63	50	10.50	0.00	0.15	0.87	
04.21.2021	00:43:53	S	3353.06	W	1222.4	46	47	5	190.13	20.64	42	10.51	0.00	0.17	0.87	
04.21.2021	00:44:53	S	3353.08	W	1222.16	47	49	2	190.17	20.66	45	10.51	0.00	0.14	0.88	
04.21.2021	00:45:53	S	3353.09	W	1221.91	45	47	4	190.13	20.70	41	10.54	0.00	0.15	-0.35	
04.21.2021	00:46:53	S	3353.11	W	1221.68	48	47	4	189.97	20.64	43	10.51	0.00	0.13	-0.37	
04.21.2021	00:47:53	S	3353.12	W	1221.42	52	52	6	189.76	20.62	46	10.50	0.00	0.15	-0.36	
04.21.2021	00:48:53	S	3353.13	W	1221.17	45	46	3	189.76	20.70	43	10.51	0.00	0.14	-0.35	
04.21.2021	00:49:53	S	3353.15	W	1220.95	49	50	3	189.71	20.71	46	10.50	0.00	0.14	-0.36	
04.21.2021	00:50:47	S	3353.17	W	1220.69	45	47	3	189.50	20.70	42	10.51	0.00	0.15	0.89	
04.21.2021	00:51:47	S	3353.19	W	1220.49	48	49	2	189.34	20.71	46	10.50	0.00	0.16	0.88	
04.21.2021	00:52:47	S	3353.21	W	1220.24	49	50	8	189.19	20.70	41	10.53	0.00	0.14	0.89	
04.21.2021	00:53:47	S	3353.23	W	1220	44	45	2	189.13	20.67	42	10.52	0.00	0.15	0.87	
04.21.2021	00:54:47	S	3353.25	W	1219.75	49	49	6	189.04	20.69	43	10.51	0.00	0.16	0.88	
04.21.2021	00:55:47	S	3353.26	W	1219.49	45	47	0	189.00	20.75	44	10.53	0.00	0.16	0.89	
04.21.2021	00:56:47	S	3353.28	W	1219.25	48	48	4	189.04	20.81	44	10.51	0.00	0.14	-0.33	
04.21.2021	00:57:47	S	3353.29	W	1219.01	49	51	5	189.06	20.87	43	10.52	0.00	0.14	-0.36	
04.21.2021	00:58:47	S	3353.31	W	1218.76	45	45	2	188.87	20.89	42	10.51	0.00	0.16	-0.36	
04.21.2021	00:59:47	S	3353.32	W	1218.54	50	51	7	189.00	20.94	44	10.51	0.00	0.14	-0.36	
04.21.2021	01:00:55	S	3353.35	W	1218.26	45	47	1	189.04	20.97	44	10.52	0.00	0.16	-0.36	
04.21.2021	01:01:55	S	3353.37	W	1218.05	48	48	4	189.06	20.98	43	10.51	0.00	0.15	0.86	
04.21.2021	01:02:55	S	3353.39	W	1217.79	48	49	3	189.54	21.10	45	10.52	0.00	0.15	0.90	
04.21.2021	01:03:55	S	3353.4	W	1217.54	45	45	3	189.30	20.98	42	10.52	0.00	0.17	0.91	
04.21.2021	01:04:55	S	3353.42	W	1217.31	50	51	7	189.41	20.96	42	10.51	0.00	0.15	0.91	
04.21.2021	01:05:55	S	3353.44	W	1217.03	43	45	-0	189.78	21.05	44	10.50	0.00	0.17	0.90	
04.21.2021	01:06:55	S	3353.45	W	1216.82	48	49	6	189.61	20.99	42	10.52	0.00	0.16	-0.35	
04.21.2021	01:07:55	S	3353.46	W	1216.58	50	52	2	189.47	20.93	48	10.52	0.00	0.15	-0.36	
04.21.2021	01:08:55	S	3353.48	W	1216.31	47	47	7	189.87	21.01	40	10.52	0.00	0.15	-0.34	
04.21.2021	01:09:55	S	3353.5	W	1216.09	51	52	5	190.08	21.04	45	10.51	0.00	0.14	-0.37	
04.21.2021	01:10:55	S	3353.52	W	1215.84	44	46	1	190.00	21.00	43	10.50	0.00	0.14	-0.36	
04.21.2021	01:11:55	S	3353.54	W	1215.6	50	51	8	189.71	20.97	42	10.51	0.00	0.15	0.90	
04.21.2021	01:12:55	S	3353.56	W	1215.3	48	50	1	189.71	20.96	47	10.51	0.00	0.14	0.91	
04.21.2021	01:13:55	S	3353.57	W	1215.07	46	46	5	189.65	20.96	40	10.53	0.00	0.13	0.91	
04.21.2021	01:14:55	S	3353.58	W	1214.82	49	50	3	189.69	21.01	46	10.51	0.00	0.15	0.91	
04.21.2021	01:15:55	S	3353.6	W	1214.55	44	45	4	189.28	20.98	40	10.50	0.00	0.16	0.92	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	01:16:55	S	3353.61	W	1214.31	48	49	8	188.85	20.90	40	10.51	0.00	0.15	-0.37	
04.21.2021	01:17:55	S	3353.63	W	1214.06	47	49	0	188.95	20.97	47	10.50	0.00	0.13	-0.35	
04.21.2021	01:18:55	S	3353.64	W	1213.82	45	46	7	189.13	21.04	37	10.52	0.00	0.15	-0.37	
04.21.2021	01:19:55	S	3353.65	W	1213.56	49	50	2	188.93	20.96	46	10.52	0.00	0.15	-0.36	
04.21.2021	01:20:49	S	3353.67	W	1213.29	45	46	6	189.13	21.04	39	10.51	0.00	0.14	-0.36	
04.21.2021	01:21:49	S	3353.68	W	1213.08	48	49	4	188.93	21.01	44	10.52	0.00	0.15	-0.38	
04.21.2021	01:22:49	S	3353.69	W	1212.81	47	48	1	189.00	21.01	46	10.52	0.00	0.14	0.90	
04.21.2021	01:23:49	S	3353.71	W	1212.59	47	48	7	189.00	21.01	40	10.51	0.00	0.15	0.90	
04.21.2021	01:24:49	S	3353.72	W	1212.35	51	51	2	189.19	21.05	49	10.51	0.00	0.14	0.90	
04.21.2021	01:25:49	S	3353.74	W	1212.05	44	46	5	188.95	20.95	39	10.51	0.00	0.19	0.90	
04.21.2021	01:26:49	S	3353.75	W	1211.83	49	50	3	189.34	20.99	46	10.50	0.00	0.17	0.90	
04.21.2021	01:27:49	S	3353.76	W	1211.6	47	50	4	189.17	20.91	43	10.50	0.00	0.16	-0.37	
04.21.2021	01:28:49	S	3353.77	W	1211.35	47	48	3	189.39	20.94	44	10.52	0.00	0.15	-0.37	
04.21.2021	01:29:49	S	3353.79	W	1211.05	51	51	5	189.65	20.93	46	10.51	0.00	0.16	-0.36	
04.21.2021	01:30:53	S	3353.81	W	1210.84	44	45	1	189.87	20.96	42	10.52	0.00	0.15	-0.37	
04.21.2021	01:31:53	S	3353.83	W	1210.57	49	50	3	189.78	20.93	46	10.51	0.00	0.15	-0.36	
04.21.2021	01:32:53	S	3353.84	W	1210.33	45	47	5	189.87	20.91	40	10.52	0.00	0.17	0.93	
04.21.2021	01:33:53	S	3353.86	W	1210.07	47	48	0	189.91	20.86	47	10.52	0.00	0.15	0.91	
04.21.2021	01:34:53	S	3353.87	W	1209.8	48	49	7	190.02	20.88	41	10.34	0.00	0.16	0.90	
04.21.2021	01:35:53	S	3353.89	W	1209.59	42	43	2	189.95	20.81	40	10.51	0.00	0.16	0.89	
04.21.2021	01:36:53	S	3353.91	W	1209.31	48	48	5	190.21	20.83	43	10.51	0.00	0.15	0.90	
04.21.2021	01:37:53	S	3353.92	W	1209.05	43	45	2	190.32	20.85	41	10.52	0.00	0.16	-0.34	
04.21.2021	01:38:53	S	3353.94	W	1208.79	46	46	2	190.08	20.78	42	10.51	0.00	0.15	-0.36	
04.21.2021	01:39:53	S	3353.95	W	1208.58	48	50	6	190.02	20.78	42	10.51	0.00	0.15	-0.36	
04.21.2021	01:40:50	S	3353.97	W	1208.32	45	46	1	190.08	20.80	44	10.52	0.00	0.14	-0.36	
04.21.2021	01:41:50	S	3353.99	W	1208.03	49	49	6	189.97	20.77	42	10.52	0.00	0.13	-0.36	
04.21.2021	01:42:50	S	3354	W	1207.79	43	45	1	189.58	20.65	43	10.50	0.00	0.15	0.91	
04.21.2021	01:43:50	S	3354.02	W	1207.56	46	46	6	189.41	20.60	39	10.52	0.00	0.16	0.94	
04.21.2021	01:44:50	S	3354.03	W	1207.3	47	49	2	189.28	20.56	45	10.51	0.00	0.15	0.90	
04.21.2021	01:45:50	S	3354.03	W	1207.06	42	43	2	189.19	20.54	40	10.51	0.00	0.15	0.89	
04.21.2021	01:46:50	S	3354.04	W	1206.8	47	48	5	188.85	20.42	42	10.51	0.00	0.15	0.90	
04.21.2021	01:47:50	S	3354.05	W	1206.56	44	46	-1	189.13	20.43	45	10.51	0.00	0.15	0.93	
04.21.2021	01:48:50	S	3354.06	W	1206.28	47	47	6	188.87	20.29	41	10.50	0.00	0.14	-0.38	
04.21.2021	01:49:50	S	3354.08	W	1206.04	46	48	2	188.98	20.30	44	10.51	0.00	0.14	-0.36	
04.21.2021	01:50:55	S	3354.09	W	1205.91	42	42	6	188.93	20.11	36	10.51	0.00	0.14	-0.36	
04.21.2021	01:51:55	S	3354.09	W	1205.91	46	47	6	189.06	19.97	40	10.50	0.00	0.15	-0.37	
04.21.2021	01:52:55	S	3354.11	W	1205.27	42	43	2	189.24	19.84	41	10.50	0.00	0.14	-0.38	
04.21.2021	01:53:55	S	3354.12	W	1205.01	47	48	7	189.19	19.71	40	10.50	0.00	0.15	0.90	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	01:54:55	S	3354.13	W	1204.78	42	43	-3	189.26	19.66	44	10.52	0.00	0.17	0.93	
04.21.2021	01:55:55	S	3354.14	W	1204.52	40	41	6	189.13	19.59	34	10.52	0.00	0.15	0.93	
04.21.2021	01:56:55	S	3354.13	W	1204.28	48	49	2	189.50	19.61	46	10.53	0.00	0.15	0.95	
04.21.2021	01:57:55	S	3354.13	W	1203.99	44	45	2	189.65	19.60	42	10.50	0.00	0.15	0.92	
04.21.2021	01:58:55	S	3354.14	W	1203.74	49	50	7	189.69	19.61	42	10.51	0.00	0.14	-0.36	
04.21.2021	01:59:55	S	3354.14	W	1203.49	46	48	-2	189.80	19.66	48	10.53	0.00	0.14	-0.37	
04.21.2021	02:00:52	S	3354.15	W	1203.23	46	46	10	189.82	19.69	35	10.50	0.00	0.15	-0.36	
04.21.2021	02:01:52	S	3354.15	W	1203.03	48	48	2	189.56	19.67	46	10.53	0.00	0.14	-0.17	
04.21.2021	02:02:52	S	3354.15	W	1202.73	42	43	5	189.78	19.70	37	10.52	0.00	0.14	-0.35	
04.21.2021	02:03:52	S	3354.15	W	1202.51	47	49	2	189.69	19.73	45	10.51	0.00	0.15	0.97	
04.21.2021	02:04:52	S	3354.15	W	1202.24	46	47	1	189.65	19.70	44	10.51	0.00	0.15	0.95	
04.21.2021	02:05:52	S	3354.15	W	1202.01	45	46	8	189.54	19.70	37	10.52	0.00	0.15	0.95	
04.21.2021	02:06:52	S	3354.16	W	1201.74	48	49	2	189.58	19.80	45	10.50	0.00	0.16	0.94	
04.21.2021	02:07:52	S	3354.16	W	1201.45	42	43	4	189.19	19.76	37	10.52	0.00	0.16	0.96	
04.21.2021	02:08:52	S	3354.17	W	1201.21	45	46	2	189.00	19.78	43	10.53	0.00	0.15	-0.35	
04.21.2021	02:09:52	S	3354.17	W	1201	44	45	3	188.87	19.78	41	10.51	0.00	0.14	-0.35	
04.21.2021	02:10:51	S	3354.18	W	1200.71	44	45	4	188.89	19.81	40	10.53	0.00	0.13	-0.36	
04.21.2021	02:11:51	S	3354.18	W	1200.48	48	49	1	188.85	19.80	48	10.51	0.00	0.15	-0.36	
04.21.2021	02:12:51	S	3354.18	W	1200.2	43	45	3	189.24	19.89	40	10.50	0.00	0.15	-0.36	
04.21.2021	02:13:51	S	3354.18	W	1159.97	49	49	1	189.15	19.85	47	10.52	0.00	0.15	-0.36	
04.21.2021	02:14:51	S	3354.19	W	1159.7	45	47	2	189.24	19.90	43	10.52	0.00	0.14	0.94	
04.21.2021	02:15:51	S	3354.19	W	1159.42	46	46	2	189.00	19.81	43	10.50	0.00	0.15	0.95	
04.21.2021	02:16:51	S	3354.19	W	1159.2	49	49	5	189.34	19.94	43	10.51	0.00	0.16	0.96	
04.21.2021	02:17:51	S	3354.2	W	1158.93	44	45	4	189.47	19.91	39	10.52	0.00	0.15	0.97	
04.21.2021	02:18:51	S	3354.2	W	1158.69	50	51	2	189.67	19.88	47	10.51	0.00	0.15	1.01	
04.21.2021	02:19:51	S	3354.21	W	1158.45	47	49	3	189.78	19.85	45	10.52	0.00	0.14	-0.37	
04.21.2021	02:20:47	S	3354.22	W	1158.2	48	48	3	190.08	19.86	45	10.52	0.00	0.15	-0.35	
04.21.2021	02:21:47	S	3354.24	W	1157.92	47	48	8	189.82	19.71	39	10.51	0.00	0.14	-0.37	
04.21.2021	02:22:47	S	3354.25	W	1157.71	41	43	1	190.02	19.64	41	10.52	0.00	0.14	-0.34	
04.21.2021	02:23:47	S	3354.26	W	1157.43	48	48	6	190.36	19.60	42	10.51	0.00	0.13	-0.37	
04.21.2021	02:24:47	S	3354.26	W	1157.22	46	47	2	190.28	19.44	44	10.50	0.00	0.14	1.17	
04.21.2021	02:25:47	S	3354.27	W	1156.96	49	50	3	190.41	19.40	47	10.51	0.00	0.14	0.99	
04.21.2021	02:26:47	S	3354.29	W	1156.69	49	51	7	190.47	19.39	43	10.52	0.00	0.16	0.94	
04.21.2021	02:27:47	S	3354.3	W	1156.48	45	46	2	190.23	19.35	43	10.52	0.00	0.15	0.91	
04.21.2021	02:28:47	S	3354.32	W	1156.22	49	50	7	190.08	19.34	42	10.51	0.00	0.17	0.91	
04.21.2021	02:29:47	S	3354.33	W	1155.95	43	44	-0	190.00	19.30	42	10.50	0.00	0.15	-0.34	
04.21.2021	02:30:48	S	3354.35	W	1155.7	48	49	7	189.71	19.22	41	10.52	0.00	0.15	-0.37	
04.21.2021	02:31:48	S	3354.36	W	1155.45	47	49	-0	190.13	19.28	48	10.51	0.00	0.13	-0.36	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	02:32:48	S	3354.36	W	1155.2	46	46	4	190.21	19.34	42	10.50	0.00	0.15	-0.37	
04.21.2021	02:33:48	S	3354.38	W	1154.95	49	50	6	190.23	19.35	43	10.51	0.00	0.16	-0.35	
04.21.2021	02:34:48	S	3354.39	W	1154.72	43	44	1	190.08	19.36	42	10.52	0.00	0.15	0.95	
04.21.2021	02:35:48	S	3354.4	W	1154.46	45	46	5	189.87	19.33	39	10.51	0.00	0.16	0.97	
04.21.2021	02:36:48	S	3354.42	W	1154.2	46	47	0	189.91	19.36	44	10.52	0.00	0.14	0.98	
04.21.2021	02:37:48	S	3354.42	W	1153.98	43	44	5	189.71	19.34	39	10.51	0.00	0.15	1.01	
04.21.2021	02:38:48	S	3354.44	W	1153.74	49	51	2	189.76	19.36	47	10.52	0.00	0.16	0.98	
04.21.2021	02:39:48	S	3354.45	W	1153.47	42	44	2	189.89	19.40	40	10.51	0.00	0.15	0.97	
04.21.2021	02:40:52	S	3354.47	W	1153.24	46	47	4	189.87	19.39	42	10.52	0.00	0.15	-0.36	
04.21.2021	02:41:52	S	3354.48	W	1152.96	45	47	-2	189.41	19.31	47	10.50	0.00	0.13	-0.37	
04.21.2021	02:42:52	S	3354.49	W	1152.74	45	45	7	189.39	19.31	37	10.52	0.00	0.17	-0.36	
04.21.2021	02:43:52	S	3354.5	W	1152.48	48	50	2	189.37	19.39	47	10.51	0.00	0.15	-0.36	
04.21.2021	02:44:52	S	3354.51	W	1152.24	45	47	3	189.26	19.36	42	10.51	0.00	0.13	-0.36	
04.21.2021	02:45:52	S	3354.52	W	1151.98	47	49	3	189.28	19.44	44	10.51	0.00	0.14	0.99	
04.21.2021	02:46:52	S	3354.53	W	1151.74	46	47	2	189.15	19.44	44	10.51	0.00	0.15	1.02	
04.21.2021	02:47:52	S	3354.55	W	1151.53	43	43	6	188.98	19.42	37	10.51	0.00	0.15	0.99	
04.21.2021	02:48:52	S	3354.56	W	1151.26	47	48	1	189.04	19.47	46	10.52	0.00	0.16	1.02	
04.21.2021	02:49:52	S	3354.56	W	1151.03	43	44	5	189.28	19.47	38	10.51	0.00	0.15	1.02	
04.21.2021	02:50:47	S	3354.57	W	1150.77	47	48	4	189.15	19.47	43	10.51	0.00	0.15	-0.36	
04.21.2021	02:51:47	S	3354.58	W	1150.54	45	47	1	189.13	19.47	44	10.51	0.00	0.16	-0.37	
04.21.2021	02:52:47	S	3354.59	W	1150.27	45	46	6	189.26	19.42	39	10.51	0.00	0.15	-0.38	
04.21.2021	02:53:47	S	3354.6	W	1150.05	49	49	-0	189.34	19.47	49	10.52	0.00	0.15	-0.36	
04.21.2021	02:54:47	S	3354.61	W	1149.77	42	44	6	189.65	19.56	37	10.51	0.00	0.15	-0.36	
04.21.2021	02:55:47	S	3354.62	W	1149.52	46	47	2	189.50	19.49	45	10.52	0.00	0.15	0.98	
04.21.2021	02:56:47	S	3354.63	W	1149.3	45	47	4	189.91	19.57	41	10.51	0.00	0.14	1.01	
04.21.2021	02:57:47	S	3354.63	W	1149.06	44	45	5	189.97	19.53	39	10.52	0.00	0.17	1.03	
04.21.2021	02:58:47	S	3354.64	W	1148.8	50	51	1	189.87	19.47	49	10.52	0.00	0.15	1.02	
04.21.2021	02:59:47	S	3354.65	W	1148.56	44	45	4	189.95	19.44	39	10.52	0.00	0.15	1.04	
04.21.2021	03:00:48	S	3354.66	W	1148.29	46	47	3	189.89	19.50	44	10.51	0.00	0.17	-0.36	
04.21.2021	03:01:48	S	3354.67	W	1148.07	46	48	2	189.87	19.47	45	10.51	0.00	0.14	-0.36	
04.21.2021	03:02:48	S	3354.68	W	1147.82	45	46	4	189.95	19.52	42	10.52	0.00	0.15	-0.36	
04.21.2021	03:03:48	S	3354.69	W	1147.59	50	50	5	189.69	19.45	44	10.51	0.00	0.16	-0.36	
04.21.2021	03:04:48	S	3354.7	W	1147.31	43	44	4	189.61	19.47	39	10.49	0.00	0.15	-0.36	
04.21.2021	03:05:48	S	3354.71	W	1147.06	50	51	4	189.80	19.57	47	10.52	0.00	0.13	1.09	
04.21.2021	03:06:48	S	3354.72	W	1146.85	47	49	4	189.34	19.57	44	10.52	0.00	0.17	1.08	
04.21.2021	03:07:48	S	3354.74	W	1146.6	45	45	3	189.37	19.63	42	10.52	0.00	0.16	1.14	
04.21.2021	03:08:48	S	3354.75	W	1146.33	48	49	6	189.39	19.70	41	10.51	0.00	0.15	1.11	
04.21.2021	03:09:48	S	3354.75	W	1146.1	45	46	3	189.15	19.68	42	10.52	0.00	0.14	1.08	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	03:10:53	S	3354.77	W	1145.84	51	51	6	189.39	19.73	46	10.51	0.00	0.15	1.05	
04.21.2021	03:11:53	S	3354.78	W	1145.6	45	47	3	189.67	19.79	42	10.51	0.00	0.15	-0.34	
04.21.2021	03:12:53	S	3354.79	W	1145.38	47	47	3	189.39	19.73	43	10.51	0.00	0.15	-0.36	
04.21.2021	03:13:53	S	3354.8	W	1145.15	48	50	7	189.56	19.80	42	10.51	0.00	0.18	-0.37	
04.21.2021	03:14:53	S	3354.81	W	1144.88	43	44	1	189.69	19.79	42	10.52	0.00	0.12	-0.36	
04.21.2021	03:15:53	S	3354.83	W	1144.63	51	52	5	189.65	19.71	46	10.50	0.00	0.16	-0.38	
04.21.2021	03:16:53	S	3354.84	W	1144.42	43	45	1	189.87	19.73	42	10.51	0.00	0.16	1.20	
04.21.2021	03:17:53	S	3354.85	W	1144.15	46	48	5	189.89	19.76	43	10.50	0.00	0.15	1.11	
04.21.2021	03:18:53	S	3354.87	W	1143.89	48	49	2	189.97	19.78	46	10.51	0.00	0.16	1.06	
04.21.2021	03:19:53	S	3354.88	W	1143.65	44	45	2	190.28	19.81	42	10.50	0.00	0.18	1.09	
04.21.2021	03:20:48	S	3354.89	W	1143.42	52	53	7	190.36	19.81	45	10.51	0.00	0.17	1.00	
04.21.2021	03:21:48	S	3354.9	W	1143.17	46	48	1	190.49	19.79	45	10.50	0.00	0.17	-0.36	
04.21.2021	03:22:48	S	3354.92	W	1142.93	49	50	6	190.58	19.79	42	10.51	0.00	0.17	-0.36	
04.21.2021	03:23:48	S	3354.95	W	1142.66	48	49	1	190.60	19.83	47	10.53	0.00	0.15	-0.37	
04.21.2021	03:24:48	S	3354.96	W	1142.42	44	45	7	190.43	19.75	37	10.53	0.00	0.14	-0.35	
04.21.2021	03:25:48	S	3354.98	W	1142.15	47	49	3	190.63	19.83	45	10.51	0.00	0.14	-0.36	
04.21.2021	03:26:48	S	3355	W	1141.89	43	44	2	190.23	19.71	42	10.52	0.00	0.15	1.07	
04.21.2021	03:27:48	S	3355.02	W	1141.68	48	50	6	190.30	19.78	42	10.51	0.00	0.16	1.02	
04.21.2021	03:28:48	S	3355.04	W	1141.4	47	49	0	190.13	19.73	46	10.51	0.00	0.15	1.02	
04.21.2021	03:29:48	S	3355.05	W	1141.16	45	46	8	190.02	19.77	37	10.50	0.00	0.14	1.05	
04.21.2021	03:30:50	S	3355.07	W	1140.9	49	50	1	190.00	19.81	48	10.49	0.00	0.17	1.07	
04.21.2021	03:31:50	S	3355.08	W	1140.67	43	45	3	189.76	19.78	40	10.52	0.00	0.15	-0.38	
04.21.2021	03:32:50	S	3355.1	W	1140.42	48	49	3	189.67	19.83	46	10.52	0.00	0.15	-0.36	
04.21.2021	03:33:50	S	3355.12	W	1140.17	44	46	1	189.24	19.73	44	10.52	0.00	0.15	-0.35	
04.21.2021	03:34:50	S	3355.14	W	1139.92	46	47	8	189.19	19.78	39	10.52	0.00	0.15	-0.36	
04.21.2021	03:35:50	S	3355.15	W	1139.69	48	49	-8	189.24	19.81	56	10.50	0.00	0.13	-0.38	
04.21.2021	03:36:50	S	3355.18	W	1139.4	42	43	5	189.28	19.81	37	10.51	0.00	0.16	-0.36	
04.21.2021	03:37:50	S	3355.19	W	1139.17	46	48	0	189.24	19.84	46	10.53	0.00	0.15	1.08	
04.21.2021	03:38:50	S	3355.21	W	1138.92	45	48	1	189.24	19.81	44	10.52	0.00	0.16	1.07	
04.21.2021	03:39:50	S	3355.23	W	1138.68	46	46	4	189.19	19.84	42	10.52	0.00	0.13	1.07	
04.21.2021	03:40:52	S	3355.24	W	1138.52	48	48	3	189.39	19.87	44	10.52	0.00	0.14	1.06	
04.21.2021	03:41:52	S	3355.24	W	1138.52	41	43	3	189.26	19.85	39	10.50	0.00	0.15	1.10	
04.21.2021	03:42:52	S	3355.29	W	1137.92	47	48	4	189.28	19.84	44	10.51	0.00	0.15	1.07	
04.21.2021	03:43:52	S	3355.31	W	1137.69	41	43	5	189.47	19.88	37	10.52	0.00	0.18	1.15	
04.21.2021	03:44:52	S	3355.33	W	1137.43	49	49	2	189.58	19.86	46	10.52	0.00	0.09	1.31	
04.21.2021	03:45:52	S	3355.35	W	1137.2	44	46	5	189.76	19.87	40	10.50	0.00	0.15	1.16	
04.21.2021	03:46:52	S	3355.37	W	1136.92	43	44	3	189.71	19.84	40	10.52	0.00	0.14	1.27	
04.21.2021	03:47:52	S	3355.38	W	1136.71	48	47	7	189.61	19.80	40	10.51	0.00	0.15	-0.35	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	03:48:52	S	3355.39	W	1136.44	44	45	4	189.80	19.75	40	10.51	0.00	0.14	-0.38	
04.21.2021	03:49:52	S	3355.39	W	1136.19	51	52	3	190.06	19.77	48	10.51	0.00	0.15	-0.36	
04.21.2021	03:50:49	S	3355.4	W	1135.93	46	48	4	190.08	19.77	43	10.52	0.00	0.16	-0.12	
04.21.2021	03:51:49	S	3355.42	W	1135.68	43	44	3	190.06	19.73	40	10.51	0.00	0.15	1.05	
04.21.2021	03:52:49	S	3355.42	W	1135.45	49	49	6	190.21	19.73	43	10.51	0.00	0.12	-0.36	
04.21.2021	03:53:49	S	3355.43	W	1135.22	45	47	1	189.95	19.69	45	10.52	0.00	0.16	-0.36	
04.21.2021	03:54:49	S	3355.44	W	1134.94	46	46	5	189.82	19.66	41	10.52	0.00	0.24	-0.38	
04.21.2021	03:55:49	S	3355.44	W	1134.68	46	48	6	189.56	19.64	40	10.52	0.00	0.15	-0.36	
04.21.2021	03:56:49	S	3355.43	W	1134.49	42	43	2	189.54	19.65	40	10.50	0.00	0.15	-0.36	
04.21.2021	03:57:49	S	3355.41	W	1134.2	50	51	5	189.56	19.60	45	10.52	0.00	0.14	1.43	
04.21.2021	03:58:49	S	3355.41	W	1133.95	45	47	2	189.69	19.64	44	10.51	0.00	0.15	1.51	
04.21.2021	03:59:49	S	3355.41	W	1133.71	47	47	6	189.50	19.57	41	10.50	0.00	0.15	1.30	
04.21.2021	04:00:46	S	3355.41	W	1133.47	41	42	1	189.30	19.55	40	10.51	0.00	0.14	-0.37	
04.21.2021	04:01:46	S	3355.4	W	1133.22	45	47	5	189.47	19.55	41	10.51	0.00	0.15	-0.35	
04.21.2021	04:02:46	S	3355.4	W	1132.98	45	46	2	189.54	19.50	44	10.52	0.00	0.53	1.70	
04.21.2021	04:03:46	S	3355.39	W	1132.69	40	42	3	189.61	19.49	37	10.51	0.00	0.14	1.85	
04.21.2021	04:04:46	S	3355.38	W	1132.46	49	50	7	189.80	19.50	43	10.50	0.00	0.16	-0.37	
04.21.2021	04:05:46	S	3355.37	W	1132.22	45	46	-1	189.78	19.47	45	10.51	0.00	0.13	1.86	
04.21.2021	04:06:46	S	3355.37	W	1131.99	47	47	5	189.80	19.50	42	10.50	0.00	0.15	1.77	
04.21.2021	04:07:46	S	3355.37	W	1131.73	50	51	4	189.91	19.50	46	10.52	0.00	0.15	-0.36	
04.21.2021	04:08:46	S	3355.36	W	1131.45	45	45	3	190.08	19.50	41	10.51	0.00	0.15	-0.36	
04.21.2021	04:09:46	S	3355.35	W	1131.24	50	51	7	190.02	19.47	42	10.52	0.00	0.15	-0.38	
04.21.2021	04:10:48	S	3355.34	W	1130.99	47	49	0	190.06	19.52	46	10.50	0.00	0.14	-0.38	
04.21.2021	04:11:48	S	3355.33	W	1130.75	52	53	6	190.28	19.65	45	10.51	0.00	0.15	-0.36	
04.21.2021	04:12:48	S	3355.33	W	1130.61	55	57	2	190.13	19.73	54	10.50	0.00	0.14	-0.37	
04.21.2021	04:13:48	S	3355.33	W	1130.61	49	48	7	190.08	19.73	41	10.49	0.00	0.15	2.36	
04.21.2021	04:14:48	S	3355.36	W	1129.95	47	49	2	190.13	19.87	45	10.51	0.00	0.14	2.20	
04.21.2021	04:15:48	S	3355.38	W	1129.71	42	44	-0	189.82	19.81	42	10.53	0.00	0.14	2.17	
04.21.2021	04:16:48	S	3355.4	W	1129.48	47	47	8	189.95	19.89	39	10.50	0.00	0.12	2.21	
04.21.2021	04:17:48	S	3355.41	W	1129.2	47	49	-0	189.91	19.91	47	10.49	0.00	0.16	2.42	
04.21.2021	04:18:48	S	3355.42	W	1128.96	46	46	8	189.82	19.94	39	10.52	0.00	0.15	-0.37	
04.21.2021	04:19:48	S	3355.43	W	1128.71	49	51	3	190.06	20.07	46	10.50	0.00	0.14	-0.39	
04.21.2021	04:20:49	S	3355.44	W	1128.48	46	47	4	189.56	19.98	42	10.51	0.00	0.15	-0.36	
04.21.2021	04:21:49	S	3355.45	W	1128.2	49	50	5	189.56	20.05	44	10.50	0.00	0.13	-0.36	
04.21.2021	04:22:49	S	3355.46	W	1127.96	49	50	0	189.26	20.08	49	10.51	0.00	0.14	-0.38	
04.21.2021	04:23:49	S	3355.48	W	1127.7	46	44	8	189.06	20.08	37	10.52	0.00	0.13	2.36	
04.21.2021	04:24:49	S	3355.5	W	1127.42	48	49	1	189.08	20.14	47	10.51	0.00	0.17	2.23	
04.21.2021	04:25:49	S	3355.51	W	1127.15	45	46	5	188.74	20.09	40	10.52	0.00	0.13	2.23	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	04:26:49	S	3355.52	W	1126.92	51	50	4	188.93	20.14	45	10.52	0.00	0.16	2.16	
04.21.2021	04:27:49	S	3355.54	W	1126.66	48	50	-0	188.85	20.12	48	10.51	0.00	0.15	2.25	
04.21.2021	04:28:49	S	3355.56	W	1126.4	45	46	6	188.78	20.19	38	10.52	0.00	0.16	-0.20	
04.21.2021	04:29:49	S	3355.58	W	1126.12	46	48	1	188.76	20.31	45	10.50	0.00	0.14	-0.36	
04.21.2021	04:30:51	S	3355.59	W	1125.88	42	43	6	188.85	20.38	36	10.49	0.00	0.14	-0.38	
04.21.2021	04:31:51	S	3355.61	W	1125.63	47	48	2	188.87	20.52	45	10.52	0.00	0.14	-0.37	
04.21.2021	04:32:51	S	3355.62	W	1125.35	46	47	2	188.98	20.65	43	10.52	0.00	0.14	-0.38	
04.21.2021	04:33:51	S	3355.63	W	1125.11	46	47	3	188.93	20.70	42	10.51	0.00	0.15	2.30	
04.21.2021	04:34:51	S	3355.65	W	1124.88	49	49	3	189.00	20.74	46	10.50	0.00	0.14	2.25	
04.21.2021	04:35:51	S	3355.66	W	1124.58	43	44	4	189.13	20.83	39	10.50	0.00	0.14	2.27	
04.21.2021	04:36:51	S	3355.68	W	1124.36	48	48	2	189.08	20.83	45	10.51	0.00	0.15	2.27	
04.21.2021	04:37:51	S	3355.69	W	1124.09	45	47	3	189.19	20.83	42	10.50	0.00	0.14	2.31	
04.21.2021	04:38:51	S	3355.7	W	1123.86	47	48	3	189.34	20.87	44	10.52	0.00	0.13	2.24	
04.21.2021	04:39:51	S	3355.72	W	1123.6	49	49	6	189.45	20.85	42	10.52	0.00	0.15	-0.38	
04.21.2021	04:40:53	S	3355.73	W	1123.33	43	45	4	189.47	20.90	39	10.51	0.00	0.14	-0.37	
04.21.2021	04:41:53	S	3355.75	W	1123.07	48	49	4	189.76	20.93	44	10.51	0.00	0.17	-0.37	
04.21.2021	04:42:53	S	3355.76	W	1122.83	45	47	3	189.78	20.98	42	10.52	0.00	0.15	-0.36	
04.21.2021	04:43:53	S	3355.78	W	1122.57	47	47	3	189.65	20.93	43	10.52	0.00	0.14	-0.37	
04.21.2021	04:44:53	S	3355.79	W	1122.3	47	49	5	189.61	20.93	43	10.50	0.00	0.14	2.21	
04.21.2021	04:45:53	S	3355.81	W	1122.04	43	44	1	189.41	20.90	43	10.51	0.00	0.13	2.23	
04.21.2021	04:46:53	S	3355.82	W	1121.77	50	50	4	189.78	20.93	45	10.52	0.00	0.14	2.14	
04.21.2021	04:47:53	S	3355.83	W	1121.55	47	49	2	189.95	20.97	45	10.51	0.00	0.13	2.19	
04.21.2021	04:48:53	S	3355.85	W	1121.27	48	48	4	189.82	20.98	43	10.51	0.00	0.17	2.31	
04.21.2021	04:49:53	S	3355.87	W	1121.01	48	50	5	189.65	20.96	43	10.52	0.00	0.15	-0.39	
04.21.2021	04:50:54	S	3355.88	W	1120.79	44	45	1	189.50	20.99	43	10.51	0.00	0.16	-0.38	
04.21.2021	04:51:54	S	3355.9	W	1120.51	49	50	5	189.30	20.98	44	10.50	0.00	0.12	-0.36	
04.21.2021	04:52:54	S	3355.92	W	1120.24	44	46	-1	189.08	20.95	46	10.52	0.00	0.15	-0.36	
04.21.2021	04:53:54	S	3355.94	W	1119.98	47	48	5	189.37	21.01	42	10.51	0.00	0.15	-0.39	
04.21.2021	04:54:54	S	3355.95	W	1119.74	48	49	1	189.15	20.91	45	10.50	0.00	0.16	2.27	
04.21.2021	04:55:54	S	3355.97	W	1119.48	46	45	4	189.39	20.99	41	10.50	0.00	0.14	2.37	
04.21.2021	04:56:54	S	3355.98	W	1119.23	51	52	8	189.76	21.03	43	10.51	0.00	0.15	2.24	
04.21.2021	04:57:54	S	3356	W	1118.96	46	47	1	189.58	20.98	44	10.51	0.00	0.14	2.16	
04.21.2021	04:58:54	S	3356.01	W	1118.7	50	51	5	189.82	20.98	45	10.51	0.00	0.15	2.19	
04.21.2021	04:59:54	S	3356.03	W	1118.44	48	50	2	189.54	20.93	47	10.52	0.00	0.09	-0.37	
04.21.2021	05:00:51	S	3356.04	W	1118.23	47	47	6	189.67	20.91	41	10.52	0.00	0.15	-0.38	
04.21.2021	05:01:51	S	3356.07	W	1117.95	48	49	5	189.80	20.96	44	10.50	0.00	0.14	-0.39	
04.21.2021	05:02:51	S	3356.09	W	1117.71	42	43	3	189.50	20.94	38	10.51	0.00	0.15	-0.39	
04.21.2021	05:03:51	S	3356.1	W	1117.44	47	49	6	189.58	20.96	41	10.51	0.00	0.15	-0.35	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	05:04:51	S	3356.11	W	1117.21	45	49	-2	189.50	20.90	48	10.52	0.00	0.14	2.15
04.21.2021	05:05:51	S	3356.11	W	1116.97	44	45	6	189.45	20.89	39	10.51	0.00	0.16	2.28
04.21.2021	05:06:51	S	3356.12	W	1116.77	49	50	3	189.50	20.87	46	10.52	0.00	0.15	2.25
04.21.2021	05:07:51	S	3356.12	W	1116.48	45	46	4	189.95	20.97	41	10.51	0.00	0.14	2.07
04.21.2021	05:08:51	S	3356.15	W	1116.17	47	48	2	189.89	20.93	45	10.51	0.00	0.16	2.22
04.21.2021	05:09:51	S	3356.16	W	1115.94	47	48	2	189.65	20.86	45	10.52	0.00	0.16	2.15
04.21.2021	05:10:54	S	3356.16	W	1115.68	45	46	8	189.80	20.91	38	10.51	0.00	0.15	-0.37
04.21.2021	05:11:54	S	3356.17	W	1115.42	51	52	3	190.02	20.89	48	10.52	0.00	0.14	-0.35
04.21.2021	05:12:54	S	3356.18	W	1115.17	46	47	6	190.02	20.93	40	10.52	0.00	0.15	-0.39
04.21.2021	05:13:54	S	3356.19	W	1114.93	50	51	2	189.82	20.89	48	10.52	0.00	0.13	-0.37
04.21.2021	05:14:54	S	3356.2	W	1114.63	45	47	-0	189.65	20.90	46	10.51	0.00	0.15	-0.37
04.21.2021	05:15:54	S	3356.21	W	1114.4	45	46	2	189.58	20.93	43	10.51	0.00	0.14	2.12
04.21.2021	05:16:54	S	3356.21	W	1114.14	48	49	3	189.41	20.96	45	10.50	0.00	0.15	2.21
04.21.2021	05:17:54	S	3356.21	W	1113.91	43	44	5	189.24	21.00	38	10.51	0.00	0.15	2.26
04.21.2021	05:18:54	S	3356.22	W	1113.67	48	49	1	189.13	20.98	48	10.52	0.00	0.15	2.11
04.21.2021	05:19:54	S	3356.22	W	1113.36	45	47	4	189.24	21.04	41	10.51	0.00	0.14	2.04
04.21.2021	05:20:50	S	3356.23	W	1113.15	46	46	3	188.87	20.99	43	10.52	0.00	0.14	-0.37
04.21.2021	05:21:50	S	3356.24	W	1112.9	47	49	7	188.95	21.03	41	10.50	0.00	0.13	-0.37
04.21.2021	05:22:50	S	3356.25	W	1112.61	40	40	1	188.85	21.03	39	10.50	0.00	0.13	-0.35
04.21.2021	05:23:50	S	3356.25	W	1112.37	49	50	5	188.65	20.93	45	10.51	0.00	0.13	-0.39
04.21.2021	05:24:50	S	3356.25	W	1112.12	43	45	0	188.93	21.01	43	10.53	0.00	0.15	-0.37
04.21.2021	05:25:50	S	3356.25	W	1111.87	49	49	4	188.82	20.97	45	10.52	0.00	0.17	2.29
04.21.2021	05:26:50	S	3356.26	W	1111.61	50	51	6	189.13	21.06	44	10.51	0.00	0.14	2.23
04.21.2021	05:27:50	S	3356.27	W	1111.37	45	46	-1	188.93	20.94	46	10.51	0.00	0.15	2.22
04.21.2021	05:28:50	S	3356.28	W	1111.11	47	49	6	189.08	20.98	41	10.51	0.00	0.15	2.23
04.21.2021	05:29:50	S	3356.29	W	1110.87	42	43	-1	189.08	20.97	43	10.51	0.00	0.15	2.26
04.21.2021	05:30:48	S	3356.3	W	1110.6	47	47	5	189.15	20.97	41	10.52	0.00	0.14	2.21
04.21.2021	05:31:48	S	3356.3	W	1110.36	49	50	3	189.17	20.97	46	10.51	0.00	0.15	-0.37
04.21.2021	05:32:48	S	3356.3	W	1110.1	43	44	1	189.34	20.97	42	10.51	0.00	0.17	-0.38
04.21.2021	05:33:48	S	3356.31	W	1109.83	48	50	6	189.54	21.01	42	10.49	0.00	0.15	-0.37
04.21.2021	05:34:48	S	3356.31	W	1109.6	43	45	0	189.50	21.01	43	10.51	0.00	0.14	-0.36
04.21.2021	05:35:48	S	3356.32	W	1109.32	49	50	6	189.45	20.98	43	10.52	0.00	0.14	-0.36
04.21.2021	05:36:48	S	3356.32	W	1109.11	46	48	-1	189.97	21.03	48	10.51	0.00	0.13	2.25
04.21.2021	05:37:48	S	3356.32	W	1108.86	46	46	6	190.00	20.98	40	10.40	0.00	0.14	2.32
04.21.2021	05:38:48	S	3356.32	W	1108.58	49	50	5	190.19	21.01	44	10.51	0.00	0.14	2.23
04.21.2021	05:39:48	S	3356.33	W	1108.36	44	45	1	190.10	20.93	44	10.52	0.00	0.14	2.07
04.21.2021	05:40:54	S	3356.33	W	1108.09	49	49	6	190.21	20.97	43	10.52	0.00	0.14	2.21
04.21.2021	05:41:54	S	3356.34	W	1107.86	47	48	-3	190.06	20.96	50	10.51	0.00	0.14	-0.38

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	05:42:54	S	3356.34	W	1107.58	44	45	8	190.30	21.07	37	10.51	0.00	0.14	-0.37	
04.21.2021	05:43:54	S	3356.34	W	1107.37	47	49	1	189.95	21.01	46	10.50	0.00	0.15	-0.37	
04.21.2021	05:44:54	S	3356.34	W	1107.13	44	46	3	189.76	20.97	41	10.51	0.00	0.14	-0.37	
04.21.2021	05:45:54	S	3356.34	W	1106.87	49	49	5	189.61	20.95	43	10.51	0.00	0.16	-0.21	
04.21.2021	05:46:54	S	3356.34	W	1106.62	48	49	-2	189.69	20.99	50	10.52	0.00	0.14	2.19	
04.21.2021	05:47:54	S	3356.34	W	1106.36	47	47	7	189.26	20.91	40	10.51	0.00	0.15	2.31	
04.21.2021	05:48:54	S	3356.35	W	1106.14	50	51	1	189.30	20.91	48	10.52	0.00	0.15	2.25	
04.21.2021	05:49:54	S	3356.35	W	1105.88	44	46	3	189.17	20.90	41	10.52	0.00	0.15	2.12	
04.21.2021	05:50:51	S	3356.36	W	1105.65	48	48	1	189.26	20.83	46	10.53	0.00	0.14	2.16	
04.21.2021	05:51:51	S	3356.36	W	1105.39	47	48	1	189.39	20.89	46	10.53	0.00	0.14	-0.35	
04.21.2021	05:52:51	S	3356.36	W	1105.37	47	47	6	189.13	20.78	41	10.51	0.00	0.14	-0.37	
04.21.2021	05:53:51	S	3356.37	W	1104.87	47	48	0	189.24	20.88	47	10.51	0.00	0.14	-0.37	
04.21.2021	05:54:51	S	3356.39	W	1104.66	43	43	5	189.37	20.97	36	10.51	0.00	0.14	-0.38	
04.21.2021	05:55:51	S	3356.4	W	1104.39	49	50	2	189.08	20.95	47	10.51	0.00	0.14	-0.37	
04.21.2021	05:56:51	S	3356.41	W	1104.15	47	49	4	189.56	21.25	44	10.51	0.00	0.14	-0.37	
04.21.2021	05:57:51	S	3356.41	W	1103.88	48	48	5	189.28	21.35	42	10.51	0.00	0.12	2.28	
04.21.2021	05:58:51	S	3356.42	W	1103.62	51	51	2	189.34	21.45	49	10.52	0.00	0.12	2.30	
04.21.2021	05:59:51	S	3356.43	W	1103.41	43	45	4	189.61	21.66	39	10.51	0.00	0.14	2.21	
04.21.2021	06:00:55	S	3356.44	W	1103.16	49	50	2	189.41	21.64	47	10.52	0.00	0.15	2.10	
04.21.2021	06:01:55	S	3356.45	W	1102.91	45	48	3	189.65	21.77	43	10.51	0.00	0.14	2.31	
04.21.2021	06:02:55	S	3356.46	W	1102.65	46	47	2	189.78	21.77	44	10.52	0.00	0.15	-0.37	
04.21.2021	06:03:55	S	3356.47	W	1102.41	50	51	1	189.89	21.84	50	10.51	0.00	0.15	-0.36	
04.21.2021	06:04:55	S	3356.49	W	1102.16	44	45	5	189.80	21.82	39	10.50	0.00	0.05	-0.37	
04.21.2021	06:05:55	S	3356.49	W	1101.93	47	49	2	190.02	21.82	46	10.52	0.00	0.14	-0.37	
04.21.2021	06:06:55	S	3356.5	W	1101.67	47	49	3	190.10	21.84	44	10.51	0.00	0.14	-0.36	
04.21.2021	06:07:55	S	3356.51	W	1101.43	47	47	5	189.95	21.82	42	10.51	0.00	0.14	2.39	
04.21.2021	06:08:55	S	3356.52	W	1101.19	49	50	1	189.82	21.79	48	10.51	0.00	0.15	2.40	
04.21.2021	06:09:55	S	3356.53	W	1100.95	43	45	2	189.76	21.81	41	10.51	0.00	0.12	2.31	
04.21.2021	06:10:55	S	3356.54	W	1100.69	49	49	2	189.76	21.85	46	10.50	0.00	0.15	2.38	
04.21.2021	06:11:55	S	3356.55	W	1100.44	43	45	2	189.47	21.82	41	10.52	0.00	0.15	2.25	
04.21.2021	06:12:55	S	3356.55	W	1100.2	47	47	2	189.26	21.80	44	10.52	0.00	0.14	-0.36	
04.21.2021	06:13:55	S	3356.56	W	1059.96	49	50	6	189.19	21.79	43	10.51	0.00	0.15	-0.38	
04.21.2021	06:14:55	S	3356.56	W	1059.71	44	45	2	189.30	21.84	43	10.51	0.00	0.13	-0.38	
04.21.2021	06:15:55	S	3356.56	W	1059.48	51	51	3	189.13	21.80	47	10.51	0.00	0.15	-0.37	
04.21.2021	06:16:55	S	3356.57	W	1059.26	44	47	4	188.95	21.76	42	10.52	0.00	0.16	-0.34	
04.21.2021	06:17:55	S	3356.57	W	1059.01	48	43	4	189.04	21.81	44	10.52	0.00	0.16	2.39	
04.21.2021	06:18:55	S	3356.58	W	1058.73	50	51	7	188.93	21.80	43	10.52	0.00	0.13	2.34	
04.21.2021	06:19:55	S	3356.59	W	1058.48	43	45	3	188.87	21.81	41	10.52	0.00	0.15	2.33	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	06:20:56	S	3356.59	W	1058.28	49	49	5	188.93	21.80	43	10.49	0.00	0.14	2.35	
04.21.2021	06:21:56	S	3356.6	W	1058.02	43	45	1	189.00	21.84	42	10.50	0.00	0.15	2.38	
04.21.2021	06:22:56	S	3356.6	W	1057.79	50	50	3	189.19	21.88	47	10.52	0.00	0.15	2.13	
04.21.2021	06:23:57	S	3356.61	W	1057.54	53	54	7	189.06	21.77	46	10.51	0.00	0.13	-0.37	
04.21.2021	06:24:57	S	3356.62	W	1057.29	44	45	1	189.17	21.87	43	10.51	0.00	0.15	-0.37	
04.21.2021	06:25:57	S	3356.64	W	1057.02	50	51	6	189.04	21.80	44	10.51	0.00	0.15	-0.39	
04.21.2021	06:26:57	S	3356.65	W	1056.81	44	45	3	189.50	21.91	40	10.51	0.00	0.15	-0.37	
04.21.2021	06:27:57	S	3356.66	W	1056.52	48	49	3	189.58	21.88	46	10.51	0.00	0.14	-0.36	
04.21.2021	06:28:57	S	3356.66	W	1056.31	51	53	6	189.78	21.90	45	10.51	0.00	0.14	2.30	
04.21.2021	06:29:57	S	3356.67	W	1056.07	44	45	2	189.82	21.89	42	10.50	0.00	0.14	2.41	
04.21.2021	06:30:53	S	3356.68	W	1055.81	50	51	5	190.06	21.93	45	10.51	0.00	0.14	2.35	
04.21.2021	06:31:53	S	3356.69	W	1055.54	45	47	0	190.13	21.91	45	10.51	0.00	0.14	2.32	
04.21.2021	06:32:53	S	3356.7	W	1055.3	49	49	8	190.02	21.89	41	10.50	0.00	0.14	2.31	
04.21.2021	06:33:53	S	3356.71	W	1055.05	49	51	1	190.13	21.97	48	10.51	0.00	0.16	-0.38	
04.21.2021	06:34:53	S	3356.72	W	1054.79	45	45	2	190.06	21.93	42	10.51	0.00	0.15	-0.37	
04.21.2021	06:35:53	S	3356.73	W	1054.57	50	51	6	189.87	21.90	45	10.51	0.00	0.14	-0.36	
04.21.2021	06:36:53	S	3356.75	W	1054.31	46	47	-2	189.89	21.94	48	10.51	0.00	0.13	-0.39	
04.21.2021	06:37:53	S	3356.77	W	1054.1	49	49	6	189.67	21.90	42	10.52	0.00	0.14	-0.36	
04.21.2021	06:38:53	S	3356.79	W	1053.85	45	47	-3	189.65	22.03	48	10.51	0.00	0.15	2.31	
04.21.2021	06:39:53	S	3356.8	W	1053.59	45	45	3	189.54	22.14	41	10.50	0.00	0.14	2.35	
04.21.2021	06:40:54	S	3356.81	W	1053.36	49	49	4	189.50	22.29	44	10.50	0.00	0.15	2.34	
04.21.2021	06:41:54	S	3356.82	W	1053.12	46	47	-2	189.19	22.30	48	10.51	0.00	0.14	2.16	
04.21.2021	06:42:54	S	3356.83	W	1052.87	49	51	7	189.24	22.40	44	10.50	0.00	0.14	2.22	
04.21.2021	06:43:54	S	3356.84	W	1052.64	51	53	-3	189.17	22.45	54	10.51	0.00	0.14	-0.37	
04.21.2021	06:44:54	S	3356.85	W	1052.39	48	48	6	189.24	22.48	41	10.52	0.00	0.13	-0.39	
04.21.2021	06:45:54	S	3356.87	W	1052.16	51	52	4	189.06	22.46	47	10.50	0.00	0.14	-0.36	
04.21.2021	06:46:54	S	3356.89	W	1051.91	45	46	4	189.00	22.48	41	10.52	0.00	0.14	-0.37	
04.21.2021	06:47:54	S	3356.9	W	1051.67	51	51	8	189.26	22.50	43	10.52	0.00	0.14	-0.36	
04.21.2021	06:48:54	S	3356.9	W	1051.62	50	52	-1	189.47	22.56	52	10.51	0.00	0.14	2.30	
04.21.2021	06:49:54	S	3356.93	W	1051.15	48	48	7	189.41	22.55	41	10.51	0.00	0.14	2.32	
04.21.2021	06:50:51	S	3356.94	W	1050.94	52	52	2	189.61	22.58	50	10.52	0.00	0.15	2.22	
04.21.2021	06:51:51	S	3356.95	W	1050.68	46	47	5	189.39	22.52	41	10.51	0.00	0.15	2.36	
04.21.2021	06:52:51	S	3356.96	W	1050.44	51	53	5	189.50	22.48	47	10.50	0.00	0.13	2.44	
04.21.2021	06:53:51	S	3356.98	W	1050.17	48	50	2	189.78	22.58	47	10.51	0.00	0.15	2.34	
04.21.2021	06:54:51	S	3356.99	W	1049.94	48	48	7	189.65	22.48	41	10.51	0.00	0.15	-0.37	
04.21.2021	06:55:51	S	3357.01	W	1049.71	50	51	-0	189.89	22.53	50	10.51	0.00	0.16	-0.38	
04.21.2021	06:56:51	S	3357.02	W	1049.44	43	44	4	189.95	22.50	40	10.50	0.00	0.13	-0.37	
04.21.2021	06:57:51	S	3357.04	W	1049.21	51	52	1	190.08	22.52	50	10.51	0.00	0.11	-0.37	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	06:58:51	S	3357.05	W	1048.96	48	50	3	189.97	22.48	45	10.51	0.00	0.15	-0.36
04.21.2021	06:59:51	S	3357.07	W	1048.72	47	48	3	189.89	22.48	45	10.50	0.00	0.15	2.30
04.21.2021	07:00:55	S	3357.08	W	1048.47	50	51	7	189.69	22.48	43	10.50	0.00	0.15	2.42
04.21.2021	07:01:55	S	3357.1	W	1048.23	46	47	3	189.61	22.48	42	10.51	0.00	0.15	2.27
04.21.2021	07:02:55	S	3357.11	W	1048	49	50	1	189.30	22.41	48	10.53	0.00	0.13	2.25
04.21.2021	07:03:55	S	3357.13	W	1047.74	47	49	2	189.28	22.45	45	10.51	0.00	0.14	2.35
04.21.2021	07:04:55	S	3357.15	W	1047.46	48	49	2	189.26	22.44	46	10.51	0.00	0.14	-0.37
04.21.2021	07:05:55	S	3357.16	W	1047.24	51	52	5	189.00	22.45	46	10.53	0.00	0.16	-0.37
04.21.2021	07:06:55	S	3357.18	W	1046.99	46	47	2	188.87	22.40	44	10.51	0.00	0.15	-0.38
04.21.2021	07:07:55	S	3357.19	W	1046.78	51	51	3	188.89	22.49	48	10.51	0.00	0.17	-0.37
04.21.2021	07:08:55	S	3357.2	W	1046.48	44	46	1	189.04	22.45	42	10.52	0.00	0.13	-0.37
04.21.2021	07:09:55	S	3357.21	W	1046.25	48	48	1	188.98	22.44	47	10.52	0.00	0.15	2.32
04.21.2021	07:10:51	S	3357.22	W	1046.03	49	50	5	188.93	22.41	44	10.51	0.00	0.17	2.30
04.21.2021	07:11:51	S	3357.24	W	1045.77	44	45	1	189.13	22.45	43	10.52	0.00	0.13	2.17
04.21.2021	07:12:51	S	3357.25	W	1045.54	51	51	5	189.19	22.45	46	10.50	0.00	0.15	2.32
04.21.2021	07:13:51	S	3357.25	W	1045.48	43	45	1	189.17	22.45	42	10.53	0.00	0.14	2.45
04.21.2021	07:14:51	S	3357.28	W	1045.04	49	49	4	189.24	22.45	44	10.49	0.00	0.14	-0.37
04.21.2021	07:15:51	S	3357.29	W	1044.76	52	53	5	189.61	22.49	47	10.51	0.00	0.14	-0.38
04.21.2021	07:16:51	S	3357.3	W	1044.54	47	48	1	189.65	22.46	46	10.51	0.00	-0.03	-0.37
04.21.2021	07:17:51	S	3357.31	W	1044.28	51	52	6	189.80	22.46	45	10.53	0.00	0.13	-0.39
04.21.2021	07:18:51	S	3357.32	W	1044.03	47	49	0	189.95	22.46	47	10.51	0.00	0.15	-0.38
04.21.2021	07:19:51	S	3357.33	W	1043.8	50	51	6	190.10	22.46	44	10.52	0.00	0.15	-0.37
04.21.2021	07:20:54	S	3357.34	W	1043.53	51	52	5	190.08	22.44	46	10.52	0.00	0.18	2.27
04.21.2021	07:21:54	S	3357.35	W	1043.32	48	48	5	190.19	22.48	43	10.51	0.00	0.15	2.24
04.21.2021	07:22:54	S	3357.37	W	1043.07	50	52	6	190.13	22.46	45	10.52	0.00	0.15	2.35
04.21.2021	07:23:54	S	3357.37	W	1042.81	45	47	1	190.08	22.45	45	10.52	0.00	0.13	2.42
04.21.2021	07:24:54	S	3357.38	W	1042.56	50	50	5	190.08	22.46	45	10.51	0.00	0.14	2.41
04.21.2021	07:25:54	S	3357.39	W	1042.34	51	52	2	189.97	22.42	47	10.52	0.00	0.14	-0.37
04.21.2021	07:26:54	S	3357.4	W	1042.1	48	48	6	189.89	22.41	42	10.51	0.00	0.14	-0.39
04.21.2021	07:27:54	S	3357.42	W	1041.81	51	52	4	189.91	22.44	46	10.52	0.00	0.12	-0.37
04.21.2021	07:28:54	S	3357.43	W	1041.6	44	46	2	189.56	22.42	43	10.51	0.00	0.14	-0.37
04.21.2021	07:29:54	S	3357.44	W	1041.32	48	49	7	189.50	22.46	42	10.51	0.00	0.13	-0.38
04.21.2021	07:30:51	S	3357.44	W	1041.09	47	50	-1	189.50	22.49	49	10.51	0.00	0.14	2.29
04.21.2021	07:31:51	S	3357.45	W	1040.87	45	46	7	189.37	22.48	39	10.51	0.00	0.15	2.26
04.21.2021	07:32:51	S	3357.46	W	1040.61	48	49	3	189.17	22.51	45	10.53	0.00	0.16	2.36
04.21.2021	07:33:51	S	3357.47	W	1040.36	46	47	4	189.06	22.53	42	10.50	0.00	0.15	2.43
04.21.2021	07:34:51	S	3357.48	W	1040.13	50	51	8	189.34	22.63	42	10.51	0.00	0.11	2.42
04.21.2021	07:35:51	S	3357.49	W	1039.87	49	51	-0	189.28	22.66	50	10.51	0.00	0.13	-0.39

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	07:36:51	S	3357.5	W	1039.65	47	47	10	189.17	22.69	37	10.52	0.00	0.14	-0.36	
04.21.2021	07:37:51	S	3357.51	W	1039.37	51	52	-0	189.24	22.70	51	10.51	0.00	0.15	-0.36	
04.21.2021	07:38:51	S	3357.52	W	1039.13	45	46	5	189.39	22.79	40	10.50	0.00	0.14	-0.37	
04.21.2021	07:39:51	S	3357.53	W	1038.91	48	49	1	189.26	22.84	46	10.52	0.00	0.15	-0.35	
04.21.2021	07:40:48	S	3357.54	W	1038.65	47	48	1	189.39	22.92	46	10.51	0.00	0.15	2.37	
04.21.2021	07:41:48	S	3357.55	W	1038.42	45	46	6	189.39	22.94	39	10.50	0.00	0.14	2.44	
04.21.2021	07:42:48	S	3357.56	W	1038.13	50	51	2	189.39	22.92	48	10.51	0.00	0.17	2.36	
04.21.2021	07:43:48	S	3357.57	W	1037.92	43	46	5	189.54	22.94	39	10.51	0.00	0.13	2.31	
04.21.2021	07:44:48	S	3357.58	W	1037.65	49	49	3	189.67	22.94	46	10.49	0.00	0.13	2.22	
04.21.2021	07:45:48	S	3357.58	W	1037.45	45	47	2	189.56	22.96	43	10.51	0.00	0.16	2.33	
04.21.2021	07:46:48	S	3357.6	W	1037.17	47	48	2	189.45	22.87	45	10.51	0.00	0.13	-0.37	
04.21.2021	07:47:48	S	3357.6	W	1036.94	49	51	3	189.41	22.86	47	10.51	0.00	0.13	-0.36	
04.21.2021	07:48:48	S	3357.62	W	1036.69	44	45	3	189.69	22.89	41	10.50	0.00	0.12	-0.37	
04.21.2021	07:49:48	S	3357.63	W	1036.44	47	47	4	189.50	22.85	43	10.50	0.00	0.15	-0.37	
04.21.2021	07:50:49	S	3357.63	W	1036.22	45	47	4	189.54	22.84	42	10.51	0.00	0.14	-0.37	
04.21.2021	07:51:49	S	3357.64	W	1036	48	49	1	189.69	22.90	47	10.53	0.00	-0.01	2.23	
04.21.2021	07:52:49	S	3357.65	W	1035.74	52	53	7	189.45	22.90	45	10.51	0.00	0.15	2.24	
04.21.2021	07:53:49	S	3357.66	W	1035.52	45	46	1	189.15	22.82	44	10.51	0.00	0.15	2.37	
04.21.2021	07:54:49	S	3357.67	W	1035.23	48	49	4	188.85	22.79	44	10.51	0.00	0.15	2.49	
04.21.2021	07:55:49	S	3357.68	W	1035	47	49	3	189.00	22.85	44	10.52	0.00	0.15	2.37	
04.21.2021	07:56:49	S	3357.69	W	1034.74	49	49	2	189.15	22.89	46	10.52	0.00	0.13	-0.37	
04.21.2021	07:57:49	S	3357.7	W	1034.53	51	52	6	189.17	22.83	45	10.52	0.00	0.14	-0.37	
04.21.2021	07:58:49	S	3357.71	W	1034.28	43	45	1	189.30	22.90	43	10.51	0.00	0.14	-0.36	
04.21.2021	07:59:49	S	3357.72	W	1034.03	50	51	6	189.15	22.83	44	10.51	0.00	0.12	-0.38	
04.21.2021	08:00:55	S	3357.73	W	1033.79	45	46	1	189.39	22.87	43	10.50	0.00	0.15	-0.37	
04.21.2021	08:01:55	S	3357.74	W	1033.55	50	51	7	189.56	22.83	44	10.52	0.00	0.16	2.36	
04.21.2021	08:02:55	S	3357.75	W	1033.31	51	53	2	189.76	22.83	50	10.51	0.00	0.13	2.39	
04.21.2021	08:03:55	S	3357.76	W	1033.07	48	49	2	189.80	22.81	46	10.51	0.00	0.14	2.28	
04.21.2021	08:04:55	S	3357.77	W	1032.82	51	53	6	190.10	22.87	45	10.50	0.00	0.14	2.39	
04.21.2021	08:05:55	S	3357.78	W	1032.59	46	47	1	189.89	22.80	45	10.51	0.00	0.15	2.50	
04.21.2021	08:06:55	S	3357.8	W	1032.35	50	51	6	190.10	22.83	44	10.51	0.00	0.14	-0.38	
04.21.2021	08:07:55	S	3357.8	W	1032.09	50	51	-1	190.19	22.85	51	10.51	0.00	0.13	-0.37	
04.21.2021	08:08:55	S	3357.81	W	1031.87	48	48	6	190.47	22.89	42	10.52	0.00	0.12	-0.38	
04.21.2021	08:09:55	S	3357.82	W	1031.63	51	52	3	190.49	22.86	48	10.52	0.00	0.12	-0.39	
04.21.2021	08:10:49	S	3357.83	W	1031.37	47	47	1	190.80	22.92	45	10.51	0.00	0.15	-0.38	
04.21.2021	08:11:49	S	3357.84	W	1031.11	51	51	5	190.69	22.89	46	10.50	0.00	0.15	-0.35	
04.21.2021	08:12:49	S	3357.86	W	1030.9	47	49	-2	190.82	22.93	49	10.50	0.00	0.15	2.35	
04.21.2021	08:13:49	S	3357.87	W	1030.66	48	49	8	190.80	22.89	40	10.52	0.00	0.15	2.31	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	08:14:49	S	3357.88	W	1030.43	51	52	3	190.78	22.83	48	10.52	0.00	0.15	2.32	
04.21.2021	08:15:49	S	3357.88	W	1030.16	46	47	5	190.91	22.91	41	10.52	0.00	0.13	2.38	
04.21.2021	08:16:49	S	3357.89	W	1029.95	49	50	4	190.58	22.85	45	10.50	0.00	0.12	2.36	
04.21.2021	08:17:49	S	3357.9	W	1029.69	50	52	1	190.65	22.92	50	10.51	0.00	0.14	-0.38	
04.21.2021	08:18:49	S	3357.91	W	1029.46	49	49	7	190.39	22.87	42	10.50	0.00	0.13	-0.36	
04.21.2021	08:19:49	S	3357.92	W	1029.2	51	51	2	189.80	22.83	49	10.51	0.00	0.14	-0.36	
04.21.2021	08:20:48	S	3357.93	W	1028.96	45	46	4	189.78	22.87	41	10.50	0.00	0.14	-0.37	
04.21.2021	08:21:48	S	3357.94	W	1028.72	50	51	3	189.67	22.86	47	10.51	0.00	0.14	-0.37	
04.21.2021	08:22:48	S	3357.95	W	1028.46	48	50	4	189.65	22.87	43	10.53	0.00	0.15	2.28	
04.21.2021	08:23:48	S	3357.96	W	1028.23	48	49	6	189.76	22.91	42	10.50	0.00	0.15	2.24	
04.21.2021	08:24:48	S	3357.97	W	1028.02	51	52	3	189.82	22.97	48	10.50	0.00	-0.09	2.29	
04.21.2021	08:25:48	S	3357.98	W	1027.76	45	45	4	189.58	22.90	41	10.53	0.00	0.15	2.31	
04.21.2021	08:26:48	S	3358	W	1027.54	48	49	2	189.50	22.94	46	10.51	0.00	0.13	2.34	
04.21.2021	08:27:48	S	3358.01	W	1027.31	47	49	3	189.45	22.93	45	10.51	0.00	0.12	-0.36	
04.21.2021	08:28:48	S	3358.02	W	1027.05	49	49	3	189.76	23.00	45	10.51	0.00	0.14	-0.37	
04.21.2021	08:29:48	S	3358.03	W	1026.81	51	51	4	189.89	23.03	46	10.51	0.00	0.13	-0.38	
04.21.2021	08:30:53	S	3358.04	W	1026.56	46	47	4	190.00	23.08	41	10.51	0.00	0.13	-0.37	
04.21.2021	08:31:53	S	3358.05	W	1026.35	53	53	4	189.95	23.04	49	10.51	0.00	0.13	-0.38	
04.21.2021	08:32:53	S	3358.06	W	1026.12	48	51	5	190.36	23.20	42	10.51	0.00	0.15	2.41	
04.21.2021	08:33:53	S	3358.07	W	1025.87	50	51	2	190.23	23.10	48	10.51	0.00	0.16	2.41	
04.21.2021	08:34:53	S	3358.09	W	1025.65	52	54	8	190.41	23.10	45	10.51	0.00	0.14	2.40	
04.21.2021	08:35:53	S	3358.1	W	1025.36	48	48	1	190.54	23.14	46	10.52	0.00	0.16	2.31	
04.21.2021	08:36:53	S	3358.11	W	1025.13	51	53	5	190.58	23.10	46	10.51	0.00	0.14	2.33	
04.21.2021	08:37:53	S	3358.11	W	1024.93	47	49	1	190.89	23.13	47	10.50	0.00	0.12	2.33	
04.21.2021	08:38:53	S	3358.12	W	1024.67	52	52	8	190.71	23.10	44	10.52	0.00	0.13	-0.36	
04.21.2021	08:39:53	S	3358.14	W	1024.41	49	51	1	190.82	23.14	49	10.52	0.00	0.14	-0.39	
04.21.2021	08:40:53	S	3358.15	W	1024.18	46	46	4	190.65	23.13	41	10.51	0.00	0.14	-0.38	
04.21.2021	08:41:53	S	3358.16	W	1023.94	51	52	6	190.47	23.11	45	10.52	0.00	0.15	-0.37	
04.21.2021	08:42:53	S	3358.17	W	1023.72	45	46	3	190.49	23.10	42	10.51	0.00	0.15	-0.36	
04.21.2021	08:43:53	S	3358.18	W	1023.47	50	51	7	190.17	23.06	44	10.51	0.00	0.15	2.34	
04.21.2021	08:44:53	S	3358.19	W	1023.25	49	51	-1	190.00	23.10	50	10.51	0.00	0.15	2.35	
04.21.2021	08:45:53	S	3358.2	W	1022.97	47	47	7	189.78	23.08	39	10.51	0.00	0.19	2.32	
04.21.2021	08:46:53	S	3358.2	W	1022.76	50	51	2	189.69	23.07	48	10.51	0.00	0.16	2.40	
04.21.2021	08:47:53	S	3358.21	W	1022.53	46	47	2	189.58	23.07	44	10.50	0.00	0.15	2.41	
04.21.2021	08:48:53	S	3358.22	W	1022.29	52	52	4	189.56	23.10	47	10.52	0.00	0.14	-0.38	
04.21.2021	08:49:53	S	3358.24	W	1022.06	49	51	4	189.61	23.13	46	10.51	0.00	0.13	-0.38	
04.21.2021	08:50:52	S	3358.25	W	1021.87	49	50	1	189.58	23.08	48	10.50	0.00	0.18	2.35	
04.21.2021	08:51:52	S	3358.25	W	1021.87	48	49	2	189.87	23.11	45	10.52	0.00	0.14	2.36	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	08:52:52	S	3358.27	W	1021.32	50	51	4	189.87	23.13	46	10.52	0.00	0.13	2.26	
04.21.2021	08:53:52	S	3358.28	W	1021.05	53	53	0	190.10	23.10	53	10.51	0.00	0.12	-0.35	
04.21.2021	08:54:52	S	3358.29	W	1020.83	47	48	5	190.32	23.16	42	10.50	0.00	0.12	-0.36	
04.21.2021	08:55:52	S	3358.3	W	1020.61	51	51	3	190.39	23.14	48	10.50	0.00	0.14	-0.37	
04.21.2021	08:56:52	S	3358.32	W	1020.38	45	48	4	190.19	23.10	42	10.50	0.00	0.13	-0.37	
04.21.2021	08:57:52	S	3358.33	W	1020.13	49	49	3	190.21	23.07	45	10.52	0.00	0.14	-0.37	
04.21.2021	08:58:52	S	3358.35	W	1019.9	52	54	5	190.65	23.18	48	10.53	0.00	0.14	2.40	
04.21.2021	08:59:52	S	3358.36	W	1019.62	47	47	3	190.41	23.10	44	10.52	0.00	0.16	2.43	
04.21.2021	09:00:56	S	3358.38	W	1019.43	53	54	4	190.73	23.16	50	10.52	0.00	0.15	2.36	
04.21.2021	09:01:56	S	3358.39	W	1019.18	47	49	2	190.63	23.10	45	10.51	0.00	0.14	2.33	
04.21.2021	09:02:56	S	3358.4	W	1018.93	50	51	1	190.71	23.14	49	10.51	0.00	0.14	2.38	
04.21.2021	09:03:56	S	3358.42	W	1018.69	52	53	7	190.60	23.10	45	10.52	0.00	0.12	-0.37	
04.21.2021	09:04:56	S	3358.43	W	1018.44	46	47	3	190.89	23.21	43	10.52	0.00	0.14	-0.39	
04.21.2021	09:05:56	S	3358.44	W	1018.23	50	51	6	190.69	23.13	45	10.50	0.00	0.13	-0.36	
04.21.2021	09:06:56	S	3358.44	W	1017.99	44	46	-0	190.78	23.21	45	10.49	0.00	0.13	-0.38	
04.21.2021	09:07:56	S	3358.44	W	1017.73	53	52	7	190.47	23.13	46	10.51	0.00	0.15	-0.37	
04.21.2021	09:08:56	S	3358.45	W	1017.48	52	53	3	190.39	23.18	49	10.51	0.00	0.15	2.36	
04.21.2021	09:09:56	S	3358.46	W	1017.27	44	45	3	189.95	23.10	41	10.52	0.00	0.15	2.33	
04.21.2021	09:10:55	S	3358.47	W	1017.02	49	51	5	189.71	23.14	44	10.51	0.00	0.15	2.30	
04.21.2021	09:11:55	S	3358.48	W	1016.77	46	47	1	189.65	23.15	45	10.50	0.00	0.17	2.31	
04.21.2021	09:12:55	S	3358.49	W	1016.53	51	51	8	189.69	23.20	43	10.52	0.00	0.16	2.22	
04.21.2021	09:13:55	S	3358.5	W	1016.29	51	53	-1	189.61	23.15	52	10.50	0.00	0.14	2.21	
04.21.2021	09:14:55	S	3358.51	W	1016.04	48	48	7	189.41	23.16	41	10.52	0.00	0.16	-0.38	
04.21.2021	09:15:55	S	3358.52	W	1015.84	48	50	3	189.65	23.18	46	10.51	0.00	0.13	-0.38	
04.21.2021	09:16:55	S	3358.53	W	1015.6	44	45	-1	189.24	23.13	45	10.52	0.00	0.14	-0.36	
04.21.2021	09:17:55	S	3358.53	W	1015.34	50	51	8	189.45	23.18	43	10.52	0.00	0.14	-0.39	
04.21.2021	09:18:55	S	3358.53	W	1015.1	52	53	1	189.56	23.16	51	10.52	0.00	0.15	-0.37	
04.21.2021	09:19:55	S	3358.53	W	1014.85	47	48	7	189.58	23.14	40	10.51	0.00	0.15	2.37	
04.21.2021	09:20:50	S	3358.53	W	1014.64	50	51	1	189.71	23.18	49	10.53	0.00	0.15	2.25	
04.21.2021	09:21:50	S	3358.54	W	1014.39	43	44	5	189.54	23.16	39	10.51	0.00	0.15	2.34	
04.21.2021	09:22:50	S	3358.54	W	1014.14	48	49	4	189.71	23.13	43	10.52	0.00	0.14	2.31	
04.21.2021	09:23:50	S	3358.55	W	1013.91	45	47	0	189.47	23.13	46	10.50	0.00	0.14	2.39	
04.21.2021	09:24:50	S	3358.55	W	1013.65	47	48	3	189.82	23.16	44	10.51	0.00	0.12	-0.37	
04.21.2021	09:25:50	S	3358.55	W	1013.44	48	49	1	189.89	23.16	47	10.51	0.00	0.12	-0.38	
04.21.2021	09:26:50	S	3358.55	W	1013.19	43	44	4	189.78	23.15	39	10.51	0.00	0.15	-0.38	
04.21.2021	09:27:50	S	3358.55	W	1012.94	50	51	1	190.10	23.14	49	10.52	0.00	0.15	-0.38	
04.21.2021	09:28:50	S	3358.55	W	1012.72	47	49	3	190.02	23.15	44	10.51	0.00	0.15	-0.37	
04.21.2021	09:29:50	S	3358.55	W	1012.47	47	48	1	189.91	23.16	46	10.52	0.00	0.15	2.37	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	09:30:54	S	3358.55	W	1012.22	49	50	3	189.82	23.14	47	10.53	0.00	0.16	2.17	
04.21.2021	09:31:54	S	3358.55	W	1012	43	44	2	189.80	23.18	41	10.49	0.00	0.15	2.24	
04.21.2021	09:32:54	S	3358.55	W	1011.74	50	51	0	189.67	23.18	50	10.50	0.00	0.16	2.30	
04.21.2021	09:33:54	S	3358.55	W	1011.52	47	49	3	189.24	23.10	44	10.51	0.00	0.16	2.29	
04.21.2021	09:34:54	S	3358.56	W	1011.26	48	48	-0	189.30	23.18	47	10.51	0.00	0.13	-0.39	
04.21.2021	09:35:54	S	3358.56	W	1011.02	49	50	5	189.04	23.13	45	10.51	0.00	0.15	-0.37	
04.21.2021	09:36:54	S	3358.56	W	1010.76	45	46	0	189.00	23.13	44	10.52	0.00	0.13	-0.38	
04.21.2021	09:37:54	S	3358.56	W	1010.53	51	52	2	189.08	23.14	49	10.51	0.00	0.14	-0.34	
04.21.2021	09:38:54	S	3358.55	W	1010.28	47	49	2	189.41	23.18	45	10.51	0.00	0.13	-0.37	
04.21.2021	09:39:54	S	3358.55	W	1010.02	52	52	1	189.17	23.08	51	10.51	0.00	0.17	-0.36	
04.21.2021	09:40:52	S	3358.55	W	1009.8	52	54	5	189.67	23.18	48	10.50	0.00	0.15	2.35	
04.21.2021	09:41:52	S	3358.55	W	1009.56	46	47	2	189.69	23.18	44	10.51	0.00	0.16	2.37	
04.21.2021	09:42:52	S	3358.55	W	1009.33	50	52	4	189.50	23.10	47	10.51	0.00	0.17	2.38	
04.21.2021	09:43:52	S	3358.54	W	1009.06	48	50	0	189.82	23.18	48	10.51	0.00	0.14	2.33	
04.21.2021	09:44:52	S	3358.54	W	1008.82	52	52	6	189.67	23.08	45	10.51	0.00	0.14	2.27	
04.21.2021	09:45:52	S	3358.54	W	1008.58	51	52	2	189.80	23.06	50	10.53	0.00	0.15	-0.38	
04.21.2021	09:46:52	S	3358.53	W	1008.36	47	47	2	189.87	23.05	44	10.52	0.00	0.14	-0.37	
04.21.2021	09:47:52	S	3358.53	W	1008.09	53	54	4	190.28	23.11	49	10.52	0.00	0.14	-0.37	
04.21.2021	09:48:52	S	3358.53	W	1007.87	47	49	-1	190.21	23.11	48	10.52	0.00	0.15	-0.35	
04.21.2021	09:49:52	S	3358.53	W	1007.6	51	52	6	190.13	23.10	46	10.51	0.00	0.15	-0.36	
04.21.2021	09:50:52	S	3358.53	W	1007.37	51	53	0	190.23	23.08	51	10.52	0.00	0.15	2.32	
04.21.2021	09:51:52	S	3358.54	W	1007.14	47	46	3	190.32	23.13	43	10.51	0.00	0.15	2.36	
04.21.2021	09:52:52	S	3358.55	W	1006.88	49	51	3	190.36	23.13	47	10.52	0.00	0.13	2.32	
04.21.2021	09:53:52	S	3358.56	W	1006.65	43	44	0	190.19	23.08	43	10.52	0.00	0.16	2.35	
04.21.2021	09:54:52	S	3358.57	W	1006.37	48	49	5	189.91	23.04	42	10.51	0.00	0.15	2.36	
04.21.2021	09:55:52	S	3358.58	W	1006.16	50	52	-1	190.02	23.11	52	10.52	0.00	0.12	-0.38	
04.21.2021	09:56:52	S	3358.58	W	1005.92	47	48	6	189.58	23.06	42	10.51	0.00	0.13	-0.36	
04.21.2021	09:57:52	S	3358.59	W	1005.65	51	52	1	189.41	23.08	50	10.51	0.00	0.14	-0.39	
04.21.2021	09:58:52	S	3358.6	W	1005.42	46	47	0	189.24	23.08	46	10.51	0.00	0.12	-0.37	
04.21.2021	09:59:52	S	3358.61	W	1005.19	49	50	3	189.19	23.10	46	10.51	0.00	0.14	-0.37	
04.21.2021	10:00:48	S	3358.61	W	1004.93	47	49	-3	189.15	23.10	50	10.51	0.00	0.15	2.31	
04.21.2021	10:01:48	S	3358.62	W	1004.69	47	47	6	188.87	23.03	40	10.50	0.00	0.16	2.31	
04.21.2021	10:02:48	S	3358.63	W	1004.46	50	50	-1	189.15	23.06	50	10.51	0.00	0.17	2.31	
04.21.2021	10:03:48	S	3358.63	W	1004.22	44	45	4	188.93	23.07	40	10.51	0.00	0.14	2.28	
04.21.2021	10:04:48	S	3358.63	W	1003.96	48	49	-1	189.26	23.15	49	10.51	0.00	0.15	2.29	
04.21.2021	10:05:48	S	3358.64	W	1003.73	46	49	-0	189.15	23.11	47	10.51	0.00	0.15	-0.37	
04.21.2021	10:06:48	S	3358.65	W	1003.47	48	47	2	189.34	23.13	45	10.52	0.00	0.14	-0.38	
04.21.2021	10:07:48	S	3358.66	W	1003.28	50	51	1	189.04	23.04	49	10.51	0.00	0.11	-0.35	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	10:08:48	S	3358.67	W	1003.02	44	45	3	189.26	23.11	41	10.51	0.00	0.13	-0.37	
04.21.2021	10:09:48	S	3358.67	W	1002.78	48	49	2	189.28	23.07	46	10.51	0.00	0.13	-0.38	
04.21.2021	10:10:49	S	3358.68	W	1002.56	46	49	2	189.58	23.14	45	10.50	0.00	-0.13	-0.35	
04.21.2021	10:11:49	S	3358.69	W	1002.31	49	50	2	189.67	23.14	47	10.51	0.00	0.15	2.38	
04.21.2021	10:12:49	S	3358.7	W	1002.06	50	51	4	189.65	23.10	47	10.51	0.00	0.16	2.30	
04.21.2021	10:13:49	S	3358.7	W	1001.84	43	44	0	189.67	23.07	43	10.51	0.00	0.15	2.33	
04.21.2021	10:14:49	S	3358.71	W	1001.6	51	52	1	189.76	23.06	51	10.51	0.00	0.16	2.30	
04.21.2021	10:15:49	S	3358.71	W	1001.35	47	49	3	190.02	23.10	45	10.50	0.00	0.14	2.32	
04.21.2021	10:16:49	S	3358.72	W	1001.09	48	49	2	190.21	23.17	46	10.52	0.00	0.12	-0.38	
04.21.2021	10:17:49	S	3358.73	W	1000.88	50	51	3	189.82	23.08	45	10.50	0.00	0.13	-0.38	
04.21.2021	10:18:49	S	3358.74	W	1000.63	44	45	-0	189.87	23.07	44	10.51	0.00	0.13	-0.37	
04.21.2021	10:19:49	S	3358.75	W	1000.4	50	51	4	189.71	23.04	46	10.53	0.00	0.13	-0.37	
04.21.2021	10:20:51	S	3358.75	W	1000.13	44	45	-2	189.91	23.11	46	10.52	0.00	0.13	-0.35	
04.21.2021	10:21:51	S	3358.76	W	959.92	50	49	5	189.71	23.11	44	10.51	0.00	0.16	2.32	
04.21.2021	10:22:51	S	3358.76	W	959.65	48	50	1	189.37	23.00	46	10.52	0.00	0.15	2.32	
04.21.2021	10:23:51	S	3358.77	W	959.45	45	45	-1	189.39	23.08	45	10.50	0.00	0.15	2.33	
04.21.2021	10:24:51	S	3358.78	W	959.22	49	51	3	189.04	23.03	46	10.52	0.00	0.15	2.37	
04.21.2021	10:25:51	S	3358.79	W	958.96	42	44	-3	188.65	23.01	45	10.53	0.00	0.15	2.26	
04.21.2021	10:26:51	S	3358.81	W	958.73	49	49	4	188.87	23.06	45	10.50	0.00	0.13	-0.37	
04.21.2021	10:27:51	S	3358.81	W	958.5	47	49	-3	188.72	23.01	50	10.51	0.00	0.16	-0.36	
04.21.2021	10:28:51	S	3358.82	W	958.26	47	47	1	188.74	23.04	45	10.50	0.00	0.15	-0.37	
04.21.2021	10:29:51	S	3358.83	W	958.02	51	52	2	188.85	23.03	49	10.50	0.00	0.12	-0.37	
04.21.2021	10:30:51	S	3358.83	W	957.81	46	47	2	189.00	23.01	44	10.52	0.00	0.14	-0.37	
04.21.2021	10:31:51	S	3358.84	W	957.56	50	51	5	189.26	23.06	45	10.51	0.00	0.15	2.33	
04.21.2021	10:32:51	S	3358.85	W	957.33	50	52	-4	189.39	23.07	54	10.51	0.00	0.12	2.32	
04.21.2021	10:33:51	S	3358.86	W	957.09	50	51	5	189.54	23.04	45	10.50	0.00	0.16	2.31	
04.21.2021	10:34:51	S	3358.87	W	956.82	53	54	0	189.71	23.06	53	10.51	0.00	0.15	2.29	
04.21.2021	10:35:51	S	3358.89	W	956.59	44	46	3	189.87	23.13	42	10.51	0.00	0.16	2.34	
04.21.2021	10:36:51	S	3358.91	W	956.37	49	50	0	189.56	23.00	49	10.50	0.00	0.14	2.36	
04.21.2021	10:37:51	S	3358.92	W	956.11	48	50	5	189.78	23.05	43	10.51	0.00	0.12	-0.37	
04.21.2021	10:38:51	S	3358.93	W	955.87	47	48	2	189.76	23.00	45	10.51	0.00	0.14	-0.37	
04.21.2021	10:39:51	S	3358.94	W	955.66	52	52	2	189.71	22.96	49	10.51	0.00	0.13	-0.38	
04.21.2021	10:40:48	S	3358.96	W	955.39	44	45	0	189.78	23.00	44	10.52	0.00	0.15	-0.37	
04.21.2021	10:41:48	S	3358.97	W	955.19	50	51	-0	189.97	23.03	50	10.50	0.00	0.14	-0.36	
04.21.2021	10:42:48	S	3358.99	W	954.94	47	49	1	189.65	22.97	46	10.50	0.00	0.15	2.36	
04.21.2021	10:43:48	S	3359	W	954.69	47	48	1	189.69	22.97	45	10.51	0.00	0.16	2.38	
04.21.2021	10:44:48	S	3359.02	W	954.46	48	49	5	189.41	22.96	42	10.52	0.00	0.16	2.29	
04.21.2021	10:45:48	S	3359.03	W	954.22	43	44	2	189.37	22.95	42	10.51	0.00	0.15	2.33	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	10:46:48	S	3359.05	W	953.99	49	50	2	188.98	22.95	47	10.53	0.00	0.17	2.40	
04.21.2021	10:47:48	S	3359.07	W	953.76	47	49	2	188.59	22.85	45	10.51	0.00	0.14	-0.40	
04.21.2021	10:48:48	S	3359.09	W	953.49	48	48	2	188.43	22.87	47	10.51	0.00	0.15	-0.38	
04.21.2021	10:49:48	S	3359.1	W	953.27	48	49	4	188.17	22.76	42	10.51	0.00	0.13	-0.37	
04.21.2021	10:50:53	S	3359.12	W	953.03	45	45	2	188.24	22.79	43	10.51	0.00	0.15	-0.38	
04.21.2021	10:51:53	S	3359.13	W	952.77	49	50	4	188.30	22.80	45	10.50	0.00	0.13	-0.39	
04.21.2021	10:52:53	S	3359.15	W	952.58	44	46	-2	188.26	22.79	46	10.52	0.00	0.17	2.29	
04.21.2021	10:53:53	S	3359.17	W	952.33	48	48	2	188.41	22.83	45	10.53	0.00	0.16	2.30	
04.21.2021	10:54:53	S	3359.19	W	952.08	48	49	1	188.11	22.70	47	10.50	0.00	0.16	2.27	
04.21.2021	10:55:53	S	3359.22	W	951.84	44	45	3	188.11	22.70	41	10.51	0.00	0.16	2.35	
04.21.2021	10:56:53	S	3359.23	W	951.62	49	50	5	188.35	22.75	44	10.50	0.00	0.15	2.35	
04.21.2021	10:57:53	S	3359.25	W	951.4	43	45	-3	188.37	22.74	46	10.49	0.00	0.13	-0.37	
04.21.2021	10:58:53	S	3359.28	W	951.16	50	50	5	188.67	22.81	44	10.53	0.00	0.13	-0.38	
04.21.2021	10:59:53	S	3359.3	W	950.89	49	51	-3	188.48	22.73	52	10.51	0.00	0.13	-0.40	
04.21.2021	11:00:55	S	3359.32	W	950.66	46	46	5	188.63	22.79	40	10.50	0.00	0.13	-0.36	
04.21.2021	11:01:55	S	3359.33	W	950.46	49	50	1	188.48	22.76	47	10.52	0.00	0.12	-0.36	
04.21.2021	11:02:55	S	3359.35	W	950.19	46	47	2	188.56	22.74	43	10.52	0.00	0.13	-0.36	
04.21.2021	11:03:55	S	3359.37	W	949.97	50	51	4	188.76	22.79	46	10.50	0.00	0.16	2.32	
04.21.2021	11:04:55	S	3359.39	W	949.71	49	51	-3	188.87	22.79	53	10.49	0.00	0.16	2.37	
04.21.2021	11:05:55	S	3359.41	W	949.48	47	47	5	188.82	22.79	42	10.51	0.00	0.16	2.32	
04.21.2021	11:06:55	S	3359.43	W	949.27	50	51	-1	188.85	22.83	51	10.50	0.00	0.16	2.22	
04.21.2021	11:07:55	S	3359.45	W	949.02	43	45	3	188.98	22.90	41	10.50	0.00	0.13	2.32	
04.21.2021	11:08:55	S	3359.47	W	948.79	48	49	-0	188.82	22.86	49	10.52	0.00	0.13	-0.37	
04.21.2021	11:09:55	S	3359.49	W	948.52	47	49	3	188.41	22.77	44	10.52	0.00	0.13	-0.34	
04.21.2021	11:10:49	S	3359.51	W	948.31	44	46	2	188.30	22.76	43	10.52	0.00	0.13	-0.36	
04.21.2021	11:11:49	S	3359.52	W	948.05	48	49	6	188.11	22.76	42	10.52	0.00	0.13	-0.38	
04.21.2021	11:12:49	S	3359.53	W	947.81	41	42	2	187.89	22.80	39	10.52	0.00	0.13	-0.37	
04.21.2021	11:13:49	S	3359.54	W	947.58	49	49	0	187.91	22.79	48	10.51	0.00	0.14	2.37	
04.21.2021	11:14:49	S	3359.54	W	947.37	45	48	2	187.83	22.76	44	10.50	0.00	0.17	2.38	
04.21.2021	11:15:49	S	3359.56	W	947.11	48	48	2	187.83	22.85	46	10.50	0.00	0.15	2.44	
04.21.2021	11:16:49	S	3359.57	W	946.9	49	51	3	187.85	22.83	47	10.51	0.00	0.16	2.49	
04.21.2021	11:17:49	S	3359.58	W	946.64	44	45	1	187.80	22.84	43	10.51	0.00	0.17	2.38	
04.21.2021	11:18:49	S	3359.59	W	946.42	50	51	4	187.70	22.81	46	10.52	0.00	0.15	-0.39	
04.21.2021	11:19:49	S	3359.6	W	946.16	44	47	-1	188.00	22.80	46	10.51	0.00	0.13	-0.36	
04.21.2021	11:20:57	S	3359.61	W	945.94	51	51	6	188.24	22.87	44	10.51	0.00	0.13	-0.37	
04.21.2021	11:21:57	S	3359.62	W	945.71	51	52	2	188.26	22.83	49	10.52	0.00	0.13	-0.37	
04.21.2021	11:22:57	S	3359.63	W	945.47	45	45	2	188.32	22.82	42	10.52	0.00	0.14	-0.39	
04.21.2021	11:23:57	S	3359.63	W	945.24	51	52	5	188.67	22.87	46	10.51	0.00	0.14	2.39	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	11:24:57	S	3359.65	W	944.99	46	47	2	188.54	22.82	44	10.51	0.00	0.15	2.38	
04.21.2021	11:25:57	S	3359.65	W	944.75	48	49	6	188.65	22.79	43	10.52	0.00	0.15	2.35	
04.21.2021	11:26:57	S	3359.66	W	944.5	47	49	-3	188.87	22.77	51	10.52	0.00	0.14	2.34	
04.21.2021	11:27:57	S	3359.67	W	944.27	47	48	6	188.98	22.76	41	10.51	0.00	0.15	2.38	
04.21.2021	11:28:57	S	3359.67	W	944.05	49	50	2	189.28	22.80	47	10.52	0.00	0.16	2.31	
04.21.2021	11:29:57	S	3359.68	W	943.77	45	47	3	189.34	22.86	42	10.53	0.00	0.14	-0.39	
04.21.2021	11:30:52	S	3359.69	W	943.57	49	50	1	189.45	22.86	48	10.52	0.00	0.13	-0.37	
04.21.2021	11:31:52	S	3359.7	W	943.32	49	50	1	189.37	22.87	48	10.51	0.00	0.14	-0.38	
04.21.2021	11:32:52	S	3359.71	W	943.1	47	48	4	189.61	22.86	43	10.52	0.00	0.14	-0.37	
04.21.2021	11:33:52	S	3359.71	W	942.83	54	54	3	189.39	22.86	50	10.51	0.00	0.14	-0.38	
04.21.2021	11:34:52	S	3359.72	W	942.57	45	46	4	189.19	22.86	40	10.52	0.00	0.15	2.29	
04.21.2021	11:35:52	S	3359.73	W	942.35	50	51	0	188.95	22.86	50	10.52	0.00	0.15	2.32	
04.21.2021	11:36:52	S	3359.74	W	942.11	46	49	1	188.63	22.81	46	10.51	0.00	0.12	2.23	
04.21.2021	11:37:52	S	3359.75	W	941.9	46	46	2	188.65	22.90	44	10.52	0.00	0.17	2.24	
04.21.2021	11:38:52	S	3359.75	W	941.64	50	51	2	188.35	22.86	48	10.52	0.00	0.15	2.33	
04.21.2021	11:39:52	S	3359.76	W	941.4	42	44	2	188.24	22.85	40	10.51	0.00	0.13	-0.38	
04.21.2021	11:40:49	S	3359.76	W	941.16	46	48	2	188.00	22.82	45	10.51	0.00	0.14	-0.36	
04.21.2021	11:41:49	S	3359.77	W	940.91	43	45	-0	187.91	22.76	43	10.51	0.00	0.17	-0.36	
04.21.2021	11:42:49	S	3359.78	W	940.68	47	47	2	188.32	22.91	45	10.52	0.00	0.13	-0.37	
04.21.2021	11:43:49	S	3359.77	W	940.43	48	50	3	188.06	22.87	44	10.52	0.00	0.14	-0.36	
04.21.2021	11:44:49	S	3359.78	W	940.2	44	45	-1	188.24	22.87	45	10.51	0.00	0.17	2.41	
04.21.2021	11:45:49	S	3359.78	W	939.94	49	50	4	188.30	22.87	45	10.47	0.00	0.15	2.32	
04.21.2021	11:46:49	S	3359.78	W	939.72	41	43	-5	188.13	22.84	46	10.51	0.00	0.15	2.36	
04.21.2021	11:47:49	S	3359.78	W	939.51	50	51	8	188.41	22.85	43	10.51	0.00	0.17	2.36	
04.21.2021	11:48:49	S	3359.78	W	939.25	46	48	-4	188.54	22.84	50	10.51	0.00	0.16	2.32	
04.21.2021	11:49:49	S	3359.79	W	939	45	46	5	188.67	22.87	40	10.52	0.00	0.14	-0.34	
04.21.2021	11:50:49	S	3359.79	W	938.75	47	49	-1	188.78	22.89	48	10.51	0.00	0.12	-0.36	
04.21.2021	11:51:49	S	3359.79	W	938.54	44	45	4	188.56	22.84	40	10.51	0.00	0.13	-0.37	
04.21.2021	11:52:49	S	3359.8	W	938.3	47	48	-0	188.89	22.89	47	10.52	0.00	0.13	-0.37	
04.21.2021	11:53:49	S	3359.8	W	938.04	46	48	1	189.08	22.95	46	10.52	0.00	0.11	-0.37	
04.21.2021	11:54:49	S	3359.81	W	937.82	48	48	6	189.04	22.89	41	10.50	0.00	0.12	-0.35	
04.21.2021	11:55:49	S	3359.82	W	937.57	47	47	3	189.26	22.90	44	10.51	0.00	0.17	2.33	
04.21.2021	11:56:49	S	3359.83	W	937.32	45	46	5	189.19	22.87	39	10.51	0.00	0.15	2.42	
04.21.2021	11:57:49	S	3359.84	W	937.08	50	51	4	189.19	22.85	46	10.50	0.00	0.15	2.42	
04.21.2021	11:58:49	S	3359.84	W	936.83	53	54	3	189.45	22.94	50	10.53	0.00	0.16	2.47	
04.21.2021	11:59:49	S	3359.84	W	936.62	53	54	1	189.28	22.91	52	10.53	0.00	0.16	2.48	
04.21.2021	12:00:55	S	3359.85	W	936.35	53	54	3	189.34	22.93	49	10.51	0.00	0.13	-0.38	
04.21.2021	12:01:55	S	3359.86	W	936.11	51	52	-0	189.13	22.96	52	10.51	0.00	0.12	-0.37	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	12:02:55	S	3359.87	W	935.89	53	54	1	188.85	22.93	52	10.53	0.00	0.14	-0.38	
04.21.2021	12:03:55	S	3359.88	W	935.64	53	54	3	188.63	22.89	49	10.52	0.00	0.12	-0.37	
04.21.2021	12:04:55	S	3359.88	W	935.39	54	55	5	188.56	22.94	49	10.51	0.00	0.12	-0.37	
04.21.2021	12:05:55	S	3359.88	W	935.14	57	58	7	188.72	22.95	50	10.50	0.00	0.16	2.43	
04.21.2021	12:06:55	S	3359.89	W	934.92	54	55	6	188.76	22.99	48	10.50	0.00	0.12	2.45	
04.21.2021	12:07:55	S	3359.91	W	934.67	54	55	2	188.85	23.00	52	10.51	0.00	0.14	2.35	
04.21.2021	12:08:55	S	3359.92	W	934.45	50	52	1	188.95	23.03	48	10.51	0.00	0.16	2.32	
04.21.2021	12:09:55	S	3359.93	W	934.19	53	54	1	188.65	22.93	52	10.50	0.00	0.16	2.34	
04.21.2021	12:10:50	S	3359.94	W	933.95	50	51	1	188.95	22.96	49	10.51	0.00	0.14	-0.37	
04.21.2021	12:11:50	S	3359.95	W	933.72	50	51	0	189.04	22.97	50	10.51	0.00	0.12	-0.35	
04.21.2021	12:12:50	S	3359.95	W	933.49	55	56	2	189.04	22.95	54	10.52	0.00	0.13	-0.37	
04.21.2021	12:13:50	S	3359.96	W	933.24	54	55	5	189.17	22.94	49	10.51	0.00	0.14	-0.37	
04.21.2021	12:14:50	S	3359.97	W	932.97	49	50	-1	189.28	22.97	49	10.52	0.00	0.13	-0.37	
04.21.2021	12:15:50	S	3359.98	W	932.74	48	49	-2	189.30	22.95	50	10.52	0.00	0.15	2.44	
04.21.2021	12:16:50	S	3359.98	W	932.53	52	52	4	189.50	22.97	48	10.50	0.00	0.16	2.36	
04.21.2021	12:17:50	S	3359.99	W	932.28	50	52	2	189.37	22.92	49	10.51	0.00	0.08	2.40	
04.21.2021	12:18:50	S	3400	W	932.06	53	54	8	189.54	23.00	45	10.52	0.00	0.15	2.44	
04.21.2021	12:19:50	S	3400	W	931.79	55	55	7	189.69	22.99	48	10.50	0.00	0.15	2.40	
04.21.2021	12:20:56	S	3400.01	W	931.57	50	51	3	189.69	23.00	47	10.51	0.00	0.16	2.23	
04.21.2021	12:21:56	S	3400.02	W	931.3	48	48	3	189.54	22.95	45	10.53	0.00	0.13	-0.03	
04.21.2021	12:22:56	S	3400.03	W	931.09	52	52	2	189.34	22.91	49	10.52	0.00	0.12	-0.40	
04.21.2021	12:23:56	S	3400.03	W	930.85	54	54	2	189.39	22.95	51	10.52	0.00	0.12	-0.37	
04.21.2021	12:24:56	S	3400.05	W	930.61	52	53	1	189.04	22.85	51	10.50	0.00	0.12	-0.37	
04.21.2021	12:25:56	S	3400.06	W	930.41	47	48	-2	188.95	22.89	49	10.50	0.00	0.13	-0.35	
04.21.2021	12:26:56	S	3400.07	W	930.14	48	49	4	188.95	22.91	45	10.50	0.00	0.18	2.36	
04.21.2021	12:27:56	S	3400.08	W	929.89	47	48	2	188.98	22.93	46	10.50	0.00	0.14	2.42	
04.21.2021	12:28:56	S	3400.09	W	929.65	47	48	3	188.67	22.84	45	10.52	0.00	0.16	2.32	
04.21.2021	12:29:56	S	3400.1	W	929.41	47	48	4	188.54	22.89	44	10.51	0.00	0.15	2.38	
04.21.2021	12:30:48	S	3400.1	W	929.17	50	50	6	188.32	22.81	44	10.51	0.00	0.15	2.29	
04.21.2021	12:31:48	S	3400.11	W	928.96	51	50	7	188.24	22.82	43	10.51	0.00	0.18	-0.37	
04.21.2021	12:32:48	S	3400.12	W	928.71	47	47	7	188.41	22.82	40	10.52	0.00	0.14	-0.37	
04.21.2021	12:33:48	S	3400.13	W	928.47	46	46	3	188.11	22.76	43	10.50	0.00	0.13	-0.37	
04.21.2021	12:34:48	S	3400.13	W	928.28	48	49	-1	188.30	22.84	49	10.50	0.00	0.12	-0.37	
04.21.2021	12:35:48	S	3400.15	W	928.03	50	51	2	188.37	22.83	48	10.51	0.00	0.12	-0.37	
04.21.2021	12:36:48	S	3400.16	W	927.78	47	47	0	188.45	22.85	46	10.60	0.00	0.13	2.39	
04.21.2021	12:37:48	S	3400.17	W	927.53	45	47	2	188.43	22.85	44	10.50	0.00	0.15	2.44	
04.21.2021	12:38:48	S	3400.18	W	927.31	49	50	5	188.48	22.80	44	10.52	0.00	0.15	2.37	
04.21.2021	12:39:48	S	3400.18	W	927.05	47	48	3	188.82	22.89	44	10.52	0.00	0.16	2.36	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	12:40:49	S	3400.19	W	926.8	47	49	4	188.59	22.79	43	10.50	0.00	0.15	2.39	
04.21.2021	12:41:49	S	3400.2	W	926.58	48	49	6	188.78	22.80	43	10.51	0.00	0.17	-0.37	
04.21.2021	12:42:49	S	3400.21	W	926.35	47	49	4	188.78	22.79	44	10.52	0.00	0.13	-0.38	
04.21.2021	12:43:49	S	3400.22	W	926.11	46	47	1	188.76	22.80	46	10.52	0.00	0.15	-0.37	
04.21.2021	12:44:49	S	3400.23	W	925.88	45	47	-2	188.85	22.76	48	10.51	0.00	0.12	-0.37	
04.21.2021	12:45:49	S	3400.23	W	925.66	48	49	-1	188.78	22.74	49	10.51	0.00	0.14	-0.39	
04.21.2021	12:46:49	S	3400.25	W	925.43	45	47	-1	188.95	22.75	46	10.50	0.00	0.14	2.38	
04.21.2021	12:47:49	S	3400.26	W	925.18	46	47	-2	188.98	22.81	47	10.51	0.00	0.14	2.47	
04.21.2021	12:48:49	S	3400.27	W	924.96	48	49	1	188.89	22.77	47	10.52	0.00	0.15	2.38	
04.21.2021	12:49:49	S	3400.27	W	924.7	46	49	1	188.63	22.69	46	10.50	0.00	0.15	2.44	
04.21.2021	12:50:49	S	3400.29	W	924.45	48	50	1	188.65	22.70	47	10.51	0.00	0.15	2.38	
04.21.2021	12:51:49	S	3400.29	W	924.23	49	51	3	188.74	22.76	47	10.52	0.00	0.15	2.44	
04.21.2021	12:52:49	S	3400.31	W	924.01	50	52	2	188.37	22.72	48	10.51	0.00	0.16	-0.37	
04.21.2021	12:53:49	S	3400.32	W	923.78	50	52	-1	188.22	22.71	52	10.52	0.00	0.13	-0.37	
04.21.2021	12:54:49	S	3400.33	W	923.52	50	52	-3	188.15	22.67	53	10.53	0.00	0.15	-0.37	
04.21.2021	12:55:49	S	3400.33	W	923.3	51	53	-1	188.22	22.61	53	10.52	0.00	0.13	-0.37	
04.21.2021	12:56:49	S	3400.34	W	923.06	54	55	5	188.32	22.66	49	10.52	0.00	0.13	-0.36	
04.21.2021	12:57:49	S	3400.35	W	922.82	53	54	4	188.45	22.63	49	10.52	0.00	0.15	2.34	
04.21.2021	12:58:49	S	3400.36	W	922.57	56	57	6	188.65	22.63	49	10.51	0.00	0.16	2.35	
04.21.2021	12:59:49	S	3400.37	W	922.36	54	54	1	188.78	22.66	52	10.52	0.00	0.16	2.38	
04.21.2021	13:00:56	S	3400.39	W	922.11	52	53	-1	188.67	22.60	52	10.52	0.00	0.15	2.47	
04.21.2021	13:01:56	S	3400.4	W	921.87	54	56	-0	188.56	22.49	54	10.53	0.00	0.14	2.44	
04.21.2021	13:02:56	S	3400.41	W	921.64	57	58	3	188.87	22.49	54	10.50	0.00	0.14	-0.36	
04.21.2021	13:03:56	S	3400.43	W	921.4	52	53	1	188.74	22.37	51	10.51	0.00	0.15	-0.35	
04.21.2021	13:04:56	S	3400.44	W	921.17	51	52	-1	188.89	22.38	53	10.51	0.00	0.13	-0.39	
04.21.2021	13:05:56	S	3400.45	W	920.92	50	52	-1	189.13	22.36	51	10.52	0.00	0.13	-0.37	
04.21.2021	13:06:56	S	3400.46	W	920.7	55	57	-0	189.47	22.45	55	10.51	0.00	0.13	-0.37	
04.21.2021	13:07:56	S	3400.48	W	920.45	54	55	2	189.30	22.35	52	10.51	0.00	0.15	2.53	
04.21.2021	13:08:56	S	3400.5	W	920.24	56	57	5	189.58	22.39	51	10.52	0.00	0.16	2.48	
04.21.2021	13:09:56	S	3400.52	W	920.01	57	58	6	189.54	22.40	50	10.51	0.00	0.16	2.49	
04.21.2021	13:10:49	S	3400.54	W	919.81	53	53	2	189.47	22.39	51	10.51	0.00	0.14	2.50	
04.21.2021	13:11:49	S	3400.56	W	919.51	52	52	-1	189.58	22.44	53	10.52	0.00	0.15	2.43	
04.21.2021	13:12:49	S	3400.57	W	919.28	55	56	4	189.19	22.36	50	10.53	0.00	0.15	-0.36	
04.21.2021	13:13:49	S	3400.59	W	919.05	53	54	1	189.13	22.37	52	10.52	0.00	0.15	-0.37	
04.21.2021	13:14:49	S	3400.6	W	918.8	54	54	2	189.04	22.37	52	10.50	0.00	0.14	-0.23	
04.21.2021	13:15:49	S	3400.62	W	918.56	54	55	5	188.72	22.34	49	10.52	0.00	0.13	-0.38	
04.21.2021	13:16:49	S	3400.63	W	918.35	54	55	7	188.52	22.32	48	10.54	0.00	0.15	-0.37	
04.21.2021	13:17:49	S	3400.65	W	918.1	54	54	7	188.52	22.30	47	10.52	0.00	0.14	-0.36	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	13:18:49	S	3400.66	W	917.88	52	52	6	188.30	22.35	46	10.50	0.00	0.09	2.48	
04.21.2021	13:19:49	S	3400.68	W	917.63	50	50	3	188.43	22.38	48	10.50	0.00	0.15	2.43	
04.21.2021	13:20:50	S	3400.7	W	917.39	53	53	4	188.22	22.29	49	10.54	0.00	0.15	2.46	
04.21.2021	13:21:50	S	3400.71	W	917.18	52	53	1	188.35	22.35	51	10.51	0.00	0.16	2.46	
04.21.2021	13:22:50	S	3400.73	W	916.9	55	55	1	188.59	22.38	53	10.51	0.00	0.17	2.47	
04.21.2021	13:23:50	S	3400.75	W	916.7	49	50	3	188.65	22.42	46	10.51	0.00	0.16	-0.36	
04.21.2021	13:24:50	S	3400.76	W	916.45	47	48	4	188.45	22.32	44	10.51	0.00	0.14	-0.38	
04.21.2021	13:25:50	S	3400.77	W	916.22	49	50	6	188.43	22.32	43	10.53	0.00	0.13	-0.38	
04.21.2021	13:26:50	S	3400.79	W	915.95	48	48	5	188.67	22.31	43	10.52	0.00	0.13	-0.37	
04.21.2021	13:27:50	S	3400.8	W	915.74	51	52	7	188.76	22.37	44	10.52	0.00	0.13	-0.39	
04.21.2021	13:28:50	S	3400.81	W	915.54	50	50	4	188.72	22.31	45	10.51	0.00	0.13	2.44	
04.21.2021	13:29:50	S	3400.83	W	915.28	47	48	-1	188.95	22.32	47	10.53	0.00	0.14	2.36	
04.21.2021	13:30:53	S	3400.84	W	915.02	45	45	-1	189.04	22.31	46	10.51	0.00	0.15	2.42	
04.21.2021	13:31:53	S	3400.86	W	914.8	49	50	1	189.08	22.34	47	10.49	0.00	0.14	2.40	
04.21.2021	13:32:53	S	3400.87	W	914.58	47	47	4	189.24	22.34	43	10.52	0.00	0.16	2.49	
04.21.2021	13:33:53	S	3400.89	W	914.33	45	47	2	189.34	22.35	43	10.52	0.00	0.15	-0.35	
04.21.2021	13:34:53	S	3400.9	W	914.09	46	48	2	189.39	22.32	44	10.53	0.00	0.14	-0.35	
04.21.2021	13:35:53	S	3400.91	W	913.85	46	47	2	189.34	22.28	43	10.51	0.00	0.15	-0.40	
04.21.2021	13:36:53	S	3400.92	W	913.63	49	50	4	189.30	22.27	45	10.51	0.00	0.14	-0.38	
04.21.2021	13:37:53	S	3400.94	W	913.39	49	50	-0	189.26	22.32	49	10.51	0.00	0.14	-0.36	
04.21.2021	13:38:53	S	3400.95	W	913.16	48	50	1	189.08	22.32	47	10.51	0.00	0.14	2.46	
04.21.2021	13:39:53	S	3400.96	W	912.95	47	49	-2	188.78	22.26	49	10.51	0.00	0.14	2.41	
04.21.2021	13:40:49	S	3400.98	W	912.71	48	50	-2	188.41	22.17	50	10.50	0.00	0.15	2.42	
04.21.2021	13:41:49	S	3401	W	912.46	48	49	-0	188.63	22.27	48	10.50	0.00	0.15	2.44	
04.21.2021	13:42:49	S	3401.01	W	912.24	45	48	-1	188.41	22.21	46	10.52	0.00	0.13	2.46	
04.21.2021	13:43:49	S	3401.02	W	911.97	49	51	2	188.15	22.08	47	10.51	0.00	0.15	2.42	
04.21.2021	13:44:49	S	3401.03	W	911.76	54	55	5	188.63	22.22	49	10.51	0.00	0.15	-0.38	
04.21.2021	13:45:49	S	3401.05	W	911.53	57	58	5	188.37	22.19	51	10.52	0.00	0.12	-0.38	
04.21.2021	13:46:49	S	3401.06	W	911.27	50	51	-2	188.54	22.20	51	10.52	0.00	0.14	-0.37	
04.21.2021	13:47:49	S	3401.07	W	911.02	53	55	-2	188.78	22.19	55	10.51	0.00	0.14	-0.37	
04.21.2021	13:48:49	S	3401.09	W	910.8	53	55	1	188.93	22.19	52	10.50	0.00	0.13	-0.37	
04.21.2021	13:49:49	S	3401.1	W	910.57	53	55	2	189.24	22.22	52	10.50	0.00	0.15	2.46	
04.21.2021	13:50:56	S	3401.11	W	910.34	54	57	4	189.08	22.15	51	10.50	0.00	0.15	2.46	
04.21.2021	13:51:56	S	3401.13	W	910.1	53	54	3	189.30	22.18	50	10.53	0.00	0.15	2.49	
04.21.2021	13:52:56	S	3401.14	W	909.87	53	54	5	189.30	22.17	48	10.52	0.00	0.14	2.48	
04.21.2021	13:53:56	S	3401.15	W	909.63	55	56	6	189.34	22.15	49	10.51	0.00	0.14	2.45	
04.21.2021	13:54:56	S	3401.16	W	909.36	55	56	6	189.82	22.29	48	10.52	0.00	0.13	-0.40	
04.21.2021	13:55:56	S	3401.17	W	909.14	47	49	-0	189.34	22.14	47	10.51	0.00	0.15	2.42	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	13:56:56	S	3401.18	W	908.88	47	50	1	189.37	22.14	47	10.50	0.00	0.14	2.47	
04.21.2021	13:57:56	S	3401.19	W	908.66	51	53	2	189.39	22.19	49	10.53	0.00	0.15	2.50	
04.21.2021	13:58:57	S	3401.2	W	908.42	51	53	1	189.45	22.16	52	10.52	0.00	0.16	2.46	
04.21.2021	13:59:57	S	3401.2	W	908.16	52	54	-1	189.50	22.20	54	10.51	0.00	0.13	-0.37	
04.21.2021	14:00:51	S	3401.2	W	907.96	57	58	1	189.45	22.22	56	10.52	0.00	0.13	-0.39	
04.21.2021	14:01:51	S	3401.22	W	907.69	49	51	-3	189.04	22.17	52	10.52	0.00	0.13	-0.38	
04.21.2021	14:02:51	S	3401.23	W	907.49	50	52	-3	188.72	22.15	54	10.51	0.00	0.13	-0.38	
04.21.2021	14:03:51	S	3401.24	W	907.22	49	51	-1	188.35	22.12	50	10.51	0.00	0.13	-0.39	
04.21.2021	14:04:51	S	3401.24	W	906.97	54	55	4	188.30	22.17	50	10.43	0.00	0.16	2.52	
04.21.2021	14:05:51	S	3401.24	W	906.74	57	59	6	188.24	22.15	51	10.51	0.00	0.15	2.48	
04.21.2021	14:06:51	S	3401.25	W	906.53	53	55	4	188.00	22.14	49	10.51	0.00	0.15	2.49	
04.21.2021	14:07:51	S	3401.25	W	906.27	53	54	3	188.11	22.19	49	10.52	0.00	0.16	2.49	
04.21.2021	14:08:51	S	3401.25	W	906.04	55	56	1	188.32	22.22	53	10.51	0.00	0.13	2.46	
04.21.2021	14:09:51	S	3401.26	W	905.79	54	56	1	188.02	22.17	54	10.51	0.00	0.15	-0.37	
04.21.2021	14:10:55	S	3401.26	W	905.55	53	55	-1	188.35	22.22	55	10.52	0.00	0.17	-0.37	
04.21.2021	14:11:55	S	3401.28	W	905.29	56	57	2	188.13	22.21	54	10.51	0.00	0.15	-0.38	
04.21.2021	14:12:55	S	3401.3	W	905.04	49	50	-1	188.06	22.18	51	10.51	0.00	0.14	-0.35	
04.21.2021	14:13:55	S	3401.3	W	904.79	51	52	1	187.89	22.10	50	10.50	0.00	0.14	-0.36	
04.21.2021	14:14:55	S	3401.3	W	904.56	52	53	2	188.17	22.16	50	10.51	0.00	0.13	2.45	
04.21.2021	14:15:55	S	3401.29	W	904.33	55	56	5	188.26	22.12	50	10.54	0.00	0.15	2.49	
04.21.2021	14:16:55	S	3401.28	W	904.09	64	65	7	188.45	22.17	57	10.51	0.00	0.15	2.45	
04.21.2021	14:17:55	S	3401.28	W	903.83	59	60	4	188.74	22.21	54	10.51	0.00	0.17	2.51	
04.21.2021	14:18:55	S	3401.29	W	903.61	58	59	6	188.72	22.20	52	10.51	0.00	0.17	2.54	
04.21.2021	14:19:55	S	3401.31	W	903.39	51	52	3	188.52	22.18	48	10.52	0.00	0.15	2.49	
04.21.2021	14:20:49	S	3401.33	W	903.14	51	51	1	188.37	22.17	50	10.51	0.00	0.18	-0.38	
04.21.2021	14:21:49	S	3401.34	W	902.87	53	54	2	188.52	22.20	51	10.51	0.00	0.15	-0.35	
04.21.2021	14:22:49	S	3401.35	W	902.65	56	57	5	188.67	22.22	51	10.53	0.00	0.14	-0.34	
04.21.2021	14:23:49	S	3401.35	W	902.37	54	54	-1	188.43	22.14	55	10.52	0.00	0.14	-0.35	
04.21.2021	14:24:49	S	3401.36	W	902.13	54	55	2	188.37	22.19	52	10.52	0.00	0.13	-0.36	
04.21.2021	14:25:49	S	3401.36	W	901.89	56	57	5	188.06	22.14	52	10.52	0.00	0.14	2.48	
04.21.2021	14:26:49	S	3401.36	W	901.65	47	49	-2	187.83	22.14	49	10.51	0.00	0.15	2.51	
04.21.2021	14:27:49	S	3401.36	W	901.4	48	48	5	187.76	22.14	42	10.51	0.00	0.14	2.49	
04.21.2021	14:28:49	S	3401.37	W	901.17	49	50	0	187.61	22.11	49	10.50	0.00	0.15	2.52	
04.21.2021	14:29:49	S	3401.37	W	900.96	49	49	5	187.61	22.16	44	10.50	0.00	0.14	2.52	
04.21.2021	14:30:52	S	3401.37	W	900.68	57	57	2	187.43	22.11	54	10.51	0.00	0.15	-0.37	
04.21.2021	14:31:52	S	3401.37	W	900.47	55	55	-0	187.48	22.10	54	10.52	0.00	0.14	-0.37	
04.21.2021	14:32:52	S	3401.38	W	900.23	48	49	-5	187.41	22.10	52	10.51	0.00	0.14	-0.38	
04.21.2021	14:33:52	S	3401.39	W	859.97	51	52	3	187.52	22.15	48	10.52	0.00	0.14	-0.36	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	14:34:52	S	3401.4	W	859.76	53	54	4	187.50	22.17	48	10.53	0.00	0.13	-0.39	
04.21.2021	14:35:52	S	3401.4	W	859.54	55	54	8	187.43	22.07	47	10.50	0.00	0.14	2.51	
04.21.2021	14:36:52	S	3401.42	W	859.26	52	52	7	187.89	22.11	45	10.53	0.00	0.13	2.50	
04.21.2021	14:37:52	S	3401.45	W	858.98	52	54	7	188.13	22.12	46	10.51	0.00	0.16	2.52	
04.21.2021	14:38:52	S	3401.46	W	858.75	55	55	12	188.15	22.08	43	10.51	0.00	0.14	2.53	
04.21.2021	14:39:52	S	3401.48	W	858.53	50	51	9	188.43	22.05	42	10.51	0.00	0.16	2.51	
04.21.2021	14:40:55	S	3401.5	W	858.29	51	51	11	188.54	22.01	40	10.51	0.00	0.15	-0.37	
04.21.2021	14:41:55	S	3401.51	W	858.05	51	51	6	188.63	22.06	45	10.52	0.00	0.15	-0.37	
04.21.2021	14:42:55	S	3401.52	W	857.79	55	55	10	188.82	22.11	45	10.52	0.00	0.13	-0.39	
04.21.2021	14:43:55	S	3401.54	W	857.56	50	50	5	188.89	22.10	45	10.51	0.00	0.10	-0.37	
04.21.2021	14:44:55	S	3401.56	W	857.31	49	49	2	188.63	22.04	46	10.51	0.00	0.15	-0.36	
04.21.2021	14:45:55	S	3401.57	W	857.09	48	50	1	188.72	22.07	47	10.50	0.00	0.13	0.08	
04.21.2021	14:46:55	S	3401.58	W	856.82	51	51	2	188.52	22.01	49	10.52	0.00	0.15	2.52	
04.21.2021	14:47:55	S	3401.59	W	856.61	55	56	6	188.93	22.06	49	10.51	0.00	0.15	2.53	
04.21.2021	14:48:55	S	3401.6	W	856.37	53	54	3	188.95	22.10	50	10.51	0.00	0.17	2.53	
04.21.2021	14:49:55	S	3401.63	W	856.11	53	53	3	188.76	22.08	49	10.50	0.00	0.15	2.54	
04.21.2021	14:50:57	S	3401.66	W	855.9	48	48	2	188.54	22.11	46	10.51	0.00	0.14	2.55	
04.21.2021	14:51:57	S	3401.68	W	855.67	48	49	3	188.11	22.03	44	10.50	0.00	0.15	-0.38	
04.21.2021	14:52:57	S	3401.7	W	855.42	46	48	4	187.74	22.00	43	10.52	0.00	0.15	-0.36	
04.21.2021	14:53:57	S	3401.71	W	855.17	48	49	5	187.96	22.08	43	10.51	0.00	0.14	-0.36	
04.21.2021	14:54:57	S	3401.72	W	854.95	48	50	3	187.85	22.07	45	10.50	0.00	0.14	-0.37	
04.21.2021	14:55:57	S	3401.73	W	854.66	45	46	-2	187.96	22.14	47	10.52	0.00	0.14	-0.35	
04.21.2021	14:56:57	S	3401.73	W	854.46	49	50	0	187.76	22.08	48	10.51	0.00	0.13	2.51	
04.21.2021	14:57:57	S	3401.74	W	854.18	51	51	1	187.54	22.04	50	10.52	0.00	0.14	2.52	
04.21.2021	14:58:57	S	3401.75	W	853.96	47	47	1	187.54	22.05	46	10.51	0.00	0.15	2.55	
04.21.2021	14:59:57	S	3401.76	W	853.74	52	54	5	187.59	22.05	48	10.51	0.00	0.15	2.51	
04.21.2021	15:00:50	S	3401.76	W	853.46	48	50	-0	187.72	22.11	48	10.51	0.00	0.15	2.56	
04.21.2021	15:01:50	S	3401.77	W	853.23	52	54	1	187.80	22.03	51	10.50	0.00	0.14	-0.37	
04.21.2021	15:02:50	S	3401.77	W	852.98	48	51	2	187.85	22.03	47	10.52	0.00	0.15	-0.36	
04.21.2021	15:03:50	S	3401.78	W	852.74	51	53	4	188.06	22.08	47	10.49	0.00	0.15	-0.37	
04.21.2021	15:04:50	S	3401.78	W	852.51	55	56	7	188.22	22.10	47	10.51	0.00	0.12	-0.40	
04.21.2021	15:05:50	S	3401.78	W	852.27	48	50	2	188.41	22.11	47	10.51	0.00	0.15	-0.37	
04.21.2021	15:06:50	S	3401.77	W	852	53	55	6	188.24	22.03	47	10.52	0.00	0.13	2.50	
04.21.2021	15:07:50	S	3401.76	W	851.79	51	53	-3	188.37	22.00	54	10.52	0.00	0.14	2.51	
04.21.2021	15:08:50	S	3401.75	W	851.54	54	56	-1	188.65	22.04	55	10.51	0.00	0.14	2.50	
04.21.2021	15:09:50	S	3401.75	W	851.31	56	57	2	188.95	22.10	54	10.52	0.00	0.15	2.48	
04.21.2021	15:10:50	S	3401.76	W	851.04	51	54	-4	188.85	22.08	55	10.50	0.00	0.14	2.53	
04.21.2021	15:11:50	S	3401.77	W	850.81	49	50	-2	188.89	22.11	51	10.50	0.00	0.15	2.56	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	15:12:50	S	3401.78	W	850.56	51	52	-1	188.82	22.12	52	10.52	0.00	0.16	-0.37	
04.21.2021	15:13:50	S	3401.78	W	850.32	53	55	4	188.74	22.08	49	10.50	0.00	0.15	-0.40	
04.21.2021	15:14:50	S	3401.78	W	850.1	55	58	5	188.72	22.07	52	10.51	0.00	0.13	-0.38	
04.21.2021	15:15:50	S	3401.78	W	849.87	55	56	6	188.52	22.10	49	10.53	0.00	0.13	-0.38	
04.21.2021	15:16:50	S	3401.79	W	849.59	58	59	10	188.17	22.15	48	10.51	0.00	0.14	-0.37	
04.21.2021	15:17:50	S	3401.79	W	849.4	61	61	5	188.24	22.07	55	10.51	0.00	0.14	2.53	
04.21.2021	15:18:50	S	3401.8	W	849.14	58	58	3	188.22	22.10	54	10.52	0.00	0.13	2.57	
04.21.2021	15:19:50	S	3401.81	W	848.9	54	55	-0	188.22	22.12	54	10.51	0.00	0.14	2.56	
04.21.2021	15:20:50	S	3401.82	W	848.63	52	53	-0	187.85	22.01	53	10.51	0.00	0.14	2.54	
04.21.2021	15:21:50	S	3401.83	W	848.42	56	56	1	188.22	22.06	54	10.51	0.00	0.15	2.48	
04.21.2021	15:22:50	S	3401.83	W	848.19	54	55	1	188.17	22.05	53	10.52	0.00	0.14	-0.17	
04.21.2021	15:23:50	S	3401.83	W	847.94	55	57	5	188.37	22.12	50	10.51	0.00	0.14	-0.38	
04.21.2021	15:24:50	S	3401.83	W	847.67	59	61	9	188.54	22.08	51	10.52	0.00	0.14	-0.37	
04.21.2021	15:25:50	S	3401.84	W	847.44	54	54	5	188.72	22.14	49	10.51	0.00	0.15	-0.38	
04.21.2021	15:26:50	S	3401.85	W	847.21	55	56	6	188.76	22.11	49	10.53	0.00	0.14	-0.36	
04.21.2021	15:27:50	S	3401.86	W	846.95	56	57	6	188.74	22.01	50	10.52	0.00	0.14	2.55	
04.21.2021	15:28:50	S	3401.87	W	846.72	54	55	5	189.04	22.07	49	10.52	0.00	0.15	2.56	
04.21.2021	15:29:50	S	3401.88	W	846.49	54	55	2	189.30	22.08	52	10.50	0.00	0.15	2.54	
04.21.2021	15:30:54	S	3401.88	W	846.22	52	53	-2	189.37	22.08	54	10.51	0.00	0.14	2.54	
04.21.2021	15:31:54	S	3401.88	W	846	59	60	1	189.37	22.01	58	10.52	0.00	0.15	2.56	
04.21.2021	15:32:54	S	3401.89	W	845.78	55	57	1	189.50	22.04	54	10.51	0.00	0.15	-0.38	
04.21.2021	15:33:54	S	3401.89	W	845.53	59	59	7	189.56	22.08	52	10.51	0.00	0.15	-0.36	
04.21.2021	15:34:54	S	3401.9	W	845.27	58	59	4	189.61	22.11	55	10.50	0.00	0.16	-0.37	
04.21.2021	15:35:54	S	3401.91	W	845.05	57	58	7	189.71	22.19	50	10.51	0.00	0.14	-0.39	
04.21.2021	15:36:54	S	3401.92	W	844.77	52	52	5	189.30	22.07	47	10.52	0.00	0.15	-0.37	
04.21.2021	15:37:54	S	3401.93	W	844.54	56	57	8	189.45	22.12	49	10.52	0.00	0.14	-0.36	
04.21.2021	15:38:54	S	3401.93	W	844.32	55	56	5	189.54	22.17	49	10.53	0.00	0.14	2.55	
04.21.2021	15:39:54	S	3401.93	W	844.07	56	56	4	189.00	22.07	51	10.52	0.00	0.13	2.53	
04.21.2021	15:40:51	S	3401.94	W	843.81	54	54	4	188.89	22.08	50	10.52	0.00	0.15	2.57	
04.21.2021	15:41:51	S	3401.94	W	843.57	57	57	4	188.78	22.08	53	10.51	0.00	0.17	2.56	
04.21.2021	15:42:51	S	3401.95	W	843.32	54	54	3	188.82	22.12	50	10.51	0.00	0.14	2.52	
04.21.2021	15:43:51	S	3401.97	W	843.09	52	53	4	188.56	22.14	49	10.50	0.00	0.14	-0.39	
04.21.2021	15:44:51	S	3401.99	W	842.84	52	52	3	188.63	22.21	49	10.51	0.00	0.14	-0.37	
04.21.2021	15:45:51	S	3402.01	W	842.58	53	53	9	188.35	22.12	44	10.50	0.00	0.14	-0.38	
04.21.2021	15:46:51	S	3402.03	W	842.38	49	49	7	188.32	22.14	41	10.51	0.00	0.17	-0.37	
04.21.2021	15:47:51	S	3402.05	W	842.12	50	50	7	188.35	22.20	43	10.51	0.00	0.16	-0.37	
04.21.2021	15:48:51	S	3402.05	W	841.89	51	51	3	188.43	22.17	47	10.50	0.00	0.14	2.45	
04.21.2021	15:49:51	S	3402.04	W	841.63	55	55	6	188.59	22.22	49	10.52	0.00	0.17	2.50	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	15:50:57	S	3402.05	W	841.4	54	54	2	188.63	22.21	51	10.52	0.00	0.16	2.55	
04.21.2021	15:51:57	S	3402.08	W	841.15	49	49	2	188.52	22.22	47	10.51	0.00	0.14	2.54	
04.21.2021	15:52:57	S	3402.09	W	840.9	52	52	3	188.56	22.21	48	10.52	0.00	0.15	2.52	
04.21.2021	15:53:57	S	3402.11	W	840.69	51	54	4	188.67	22.19	48	10.50	0.00	0.14	-0.37	
04.21.2021	15:54:57	S	3402.13	W	840.41	47	47	3	188.67	22.19	43	10.51	0.00	0.16	-0.38	
04.21.2021	15:55:57	S	3402.14	W	840.21	48	50	2	188.78	22.21	46	10.51	0.00	0.14	-0.39	
04.21.2021	15:56:57	S	3402.15	W	839.98	49	50	5	188.98	22.21	43	10.50	0.00	0.14	-0.37	
04.21.2021	15:57:57	S	3402.16	W	839.72	53	53	8	189.00	22.24	44	10.52	0.00	0.14	-0.35	
04.21.2021	15:58:57	S	3402.17	W	839.48	50	51	5	189.15	22.21	45	10.50	0.00	0.14	2.50	
04.21.2021	15:59:57	S	3402.18	W	839.21	50	51	-1	189.04	22.17	51	10.51	0.00	0.13	2.51	
04.21.2021	16:00:54	S	3402.2	W	839	49	51	1	189.04	22.18	49	10.51	0.00	0.13	2.52	
04.21.2021	16:01:54	S	3402.21	W	838.74	49	50	1	189.04	22.20	48	10.52	0.00	0.14	2.54	
04.21.2021	16:02:54	S	3402.22	W	838.49	52	53	-1	189.04	22.22	52	10.49	0.00	0.13	2.55	
04.21.2021	16:03:54	S	3402.24	W	838.26	49	51	-1	188.74	22.18	50	10.52	0.00	0.18	2.18	
04.21.2021	16:04:54	S	3402.25	W	838.02	48	50	2	188.52	22.15	46	10.51	0.00	0.14	-0.37	
04.21.2021	16:05:54	S	3402.26	W	837.77	49	52	3	188.45	22.21	47	10.53	0.00	0.13	-0.37	
04.21.2021	16:06:54	S	3402.27	W	837.51	51	54	5	188.48	22.25	48	10.50	0.00	0.15	-0.38	
04.21.2021	16:07:54	S	3402.28	W	837.27	51	53	4	188.17	22.22	47	10.52	0.00	0.15	-0.35	
04.21.2021	16:08:54	S	3402.29	W	837.04	52	54	2	188.24	22.27	51	10.51	0.00	0.14	-0.36	
04.21.2021	16:09:54	S	3402.3	W	836.8	51	53	-0	188.26	22.28	52	10.51	0.00	0.14	2.52	
04.21.2021	16:10:50	S	3402.3	W	836.55	50	52	0	188.13	22.21	50	10.50	0.00	0.14	2.55	
04.21.2021	16:11:50	S	3402.31	W	836.3	53	55	-2	188.45	22.37	55	10.51	0.00	0.14	2.52	
04.21.2021	16:12:50	S	3402.32	W	836.03	51	52	1	188.11	22.24	50	10.50	0.00	0.13	2.52	
04.21.2021	16:13:50	S	3402.33	W	835.79	54	56	4	188.06	22.24	51	10.51	0.00	0.15	2.52	
04.21.2021	16:14:50	S	3402.33	W	835.56	52	54	-1	188.24	22.26	53	10.52	0.00	0.14	-0.38	
04.21.2021	16:15:50	S	3402.34	W	835.29	52	54	4	188.45	22.30	49	10.51	0.00	0.13	-0.38	
04.21.2021	16:16:50	S	3402.35	W	835.03	52	54	5	188.54	22.30	47	10.51	0.00	0.14	-0.38	
04.21.2021	16:17:50	S	3402.34	W	834.78	58	59	7	188.72	22.35	51	10.50	0.00	0.14	-0.38	
04.21.2021	16:18:50	S	3402.34	W	834.55	59	60	7	189.06	22.37	52	10.52	0.00	0.14	-0.37	
04.21.2021	16:19:50	S	3402.35	W	834.32	56	56	4	188.95	22.31	52	10.51	0.00	0.12	2.58	
04.21.2021	16:20:51	S	3402.36	W	834.07	56	57	3	189.28	22.42	54	10.50	0.00	0.14	2.56	
04.21.2021	16:21:51	S	3402.37	W	833.81	52	54	1	189.34	22.37	52	10.51	0.00	0.12	2.52	
04.21.2021	16:22:51	S	3402.37	W	833.56	58	59	4	189.41	22.38	53	10.50	0.00	0.15	2.55	
04.21.2021	16:23:51	S	3402.38	W	833.29	55	56	3	189.58	22.41	51	10.51	0.00	0.17	2.49	
04.21.2021	16:24:51	S	3402.39	W	833.05	53	56	2	189.50	22.39	52	10.51	0.00	0.15	-0.36	
04.21.2021	16:25:51	S	3402.4	W	832.81	58	59	5	189.76	22.41	52	10.50	0.00	0.13	-0.37	
04.21.2021	16:26:51	S	3402.4	W	832.58	57	58	7	189.65	22.35	50	10.51	0.00	0.14	-0.37	
04.21.2021	16:27:51	S	3402.41	W	832.29	52	54	2	189.41	22.34	51	10.51	0.00	0.23	-0.32	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	16:28:51	S	3402.42	W	832.08	56	56	2	189.69	22.44	53	10.51	0.00	0.15	-0.37	
04.21.2021	16:29:51	S	3402.44	W	831.78	53	54	3	189.28	22.32	50	10.51	0.00	0.15	2.56	
04.21.2021	16:30:50	S	3402.45	W	831.58	53	54	3	189.06	22.25	50	10.51	0.00	0.14	2.53	
04.21.2021	16:31:50	S	3402.46	W	831.31	50	51	0	188.85	22.16	48	10.50	0.00	0.15	2.54	
04.21.2021	16:32:50	S	3402.48	W	831.03	52	54	4	188.82	22.18	49	10.51	0.00	0.14	2.54	
04.21.2021	16:33:50	S	3402.48	W	830.8	55	56	7	188.41	22.04	49	10.51	0.00	0.15	2.53	
04.21.2021	16:34:50	S	3402.49	W	830.52	58	59	5	188.43	21.98	52	10.52	0.00	0.14	2.53	
04.21.2021	16:35:50	S	3402.49	W	830.28	56	57	5	188.59	22.05	51	10.52	0.00	0.14	-0.38	
04.21.2021	16:36:50	S	3402.51	W	830.05	55	56	6	188.63	22.00	50	10.50	0.00	0.14	-0.37	
04.21.2021	16:37:50	S	3402.53	W	829.78	53	54	8	188.48	21.96	45	10.50	0.00	0.14	-0.38	
04.21.2021	16:38:50	S	3402.54	W	829.57	51	52	2	188.41	21.93	49	10.51	0.00	0.14	-0.38	
04.21.2021	16:39:50	S	3402.55	W	829.29	53	52	5	188.56	21.91	47	10.50	0.00	0.14	-0.37	
04.21.2021	16:40:53	S	3402.56	W	829.05	52	52	3	188.52	21.93	49	10.51	0.00	0.14	2.54	
04.21.2021	16:41:53	S	3402.56	W	828.79	51	52	1	188.59	21.91	50	10.51	0.00	0.13	2.54	
04.21.2021	16:42:53	S	3402.56	W	828.54	54	54	3	188.87	21.93	51	10.51	0.00	0.13	2.55	
04.21.2021	16:43:53	S	3402.57	W	828.32	50	50	0	188.48	21.85	49	10.51	0.00	0.15	2.57	
04.21.2021	16:44:53	S	3402.58	W	828.05	55	55	5	188.78	21.89	49	10.52	0.00	0.14	2.51	
04.21.2021	16:45:53	S	3402.59	W	827.81	54	55	8	189.17	21.94	46	10.51	0.00	0.14	-0.36	
04.21.2021	16:46:53	S	3402.6	W	827.54	53	53	7	189.15	21.88	45	10.52	0.00	0.14	-0.37	
04.21.2021	16:47:53	S	3402.62	W	827.3	48	49	5	189.08	21.86	42	10.52	0.00	0.14	-0.36	
04.21.2021	16:48:53	S	3402.63	W	827.05	51	52	7	188.67	21.72	46	10.51	0.00	0.14	-0.37	
04.21.2021	16:49:53	S	3402.63	W	826.79	53	53	7	188.87	21.76	46	10.51	0.00	0.15	-0.36	
04.21.2021	16:50:55	S	3402.64	W	826.55	51	51	4	188.98	21.73	47	10.49	0.00	0.16	2.50	
04.21.2021	16:51:55	S	3402.66	W	826.31	50	50	2	188.65	21.67	47	10.52	0.00	0.14	2.54	
04.21.2021	16:52:55	S	3402.66	W	826.07	50	51	-1	188.74	21.69	50	10.53	0.00	0.15	2.50	
04.21.2021	16:53:55	S	3402.67	W	825.79	51	51	4	188.56	21.59	47	10.51	0.00	0.14	2.54	
04.21.2021	16:54:55	S	3402.68	W	825.53	48	48	1	188.35	21.63	46	10.51	0.00	0.12	2.50	
04.21.2021	16:55:55	S	3402.69	W	825.28	45	47	1	188.37	21.62	46	10.51	0.00	0.15	-0.37	
04.21.2021	16:56:55	S	3402.69	W	825.06	50	51	3	188.52	21.66	47	10.50	0.00	0.17	-0.36	
04.21.2021	16:57:55	S	3402.7	W	824.77	50	51	4	188.17	21.54	46	10.54	0.00	0.16	-0.38	
04.21.2021	16:58:55	S	3402.7	W	824.55	50	51	4	188.30	21.56	47	10.53	0.00	0.14	-0.37	
04.21.2021	16:59:55	S	3402.7	W	824.27	49	50	3	188.59	21.61	47	10.51	0.00	0.15	-0.36	
04.21.2021	17:00:51	S	3402.71	W	824.03	49	50	3	188.52	21.61	45	10.52	0.00	0.14	-0.36	
04.21.2021	17:01:51	S	3402.71	W	823.76	48	49	2	188.43	21.60	46	10.51	0.00	0.14	2.54	
04.21.2021	17:02:51	S	3402.72	W	823.52	48	48	3	188.54	21.59	45	10.52	0.00	0.14	2.50	
04.21.2021	17:03:51	S	3402.72	W	823.27	46	48	3	188.59	21.55	44	10.52	0.00	0.14	2.55	
04.21.2021	17:04:51	S	3402.72	W	823	47	48	-1	188.41	21.50	48	10.51	0.00	0.15	2.56	
04.21.2021	17:05:51	S	3402.72	W	822.8	52	53	4	188.72	21.56	48	10.39	0.00	0.14	2.51	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0						Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	17:06:51	S	3402.72	W	822.51	52	53	2	189.00	21.59	49	10.52	0.00	0.14	-0.37
04.21.2021	17:07:51	S	3402.73	W	822.25	50	52	3	188.95	21.50	47	10.49	0.00	0.14	-0.39
04.21.2021	17:08:51	S	3402.74	W	822.02	48	50	1	189.15	21.55	48	10.51	0.00	0.14	-0.37
04.21.2021	17:09:51	S	3402.75	W	821.76	52	53	5	188.98	21.43	47	10.51	0.00	0.13	-0.37
04.21.2021	17:10:51	S	3402.76	W	821.52	49	51	1	189.45	21.52	48	10.51	0.00	0.13	-0.37
04.21.2021	17:11:51	S	3402.76	W	821.26	49	51	2	189.61	21.56	47	10.51	0.00	0.14	2.51
04.21.2021	17:12:51	S	3402.77	W	820.99	52	54	-1	189.54	21.51	53	10.51	0.00	0.13	2.55
04.21.2021	17:13:51	S	3402.77	W	820.8	52	54	2	189.28	21.53	51	10.51	0.00	0.16	2.51
04.21.2021	17:14:51	S	3402.78	W	820.5	52	53	1	189.28	21.51	51	10.52	0.00	0.14	2.53
04.21.2021	17:15:51	S	3402.78	W	820.27	54	56	-2	189.58	21.65	56	10.51	0.00	0.15	2.49
04.21.2021	17:16:51	S	3402.79	W	820.02	53	54	2	189.08	21.57	51	10.52	0.00	0.14	-0.38
04.21.2021	17:17:51	S	3402.79	W	819.78	52	54	-0	188.85	21.56	53	10.51	0.00	0.14	-0.37
04.21.2021	17:18:51	S	3402.8	W	819.55	52	54	4	188.72	21.55	49	10.50	0.00	0.15	-0.38
04.21.2021	17:19:51	S	3402.8	W	819.28	57	58	4	188.78	21.56	53	10.50	0.00	0.16	-0.36
04.21.2021	17:20:50	S	3402.79	W	819.06	62	63	5	188.76	21.54	57	10.50	0.00	0.15	-0.36
04.21.2021	17:21:50	S	3402.81	W	818.81	57	59	4	188.87	21.59	53	10.51	0.00	0.14	2.51
04.21.2021	17:22:50	S	3402.83	W	818.59	56	56	7	188.59	21.57	49	10.51	0.00	0.14	2.51
04.21.2021	17:23:50	S	3402.85	W	818.31	56	57	8	188.30	21.56	48	10.51	0.00	0.14	2.53
04.21.2021	17:24:50	S	3402.86	W	818.1	59	60	3	188.35	21.57	56	10.51	0.00	0.15	2.54
04.21.2021	17:25:50	S	3402.86	W	817.87	54	54	-2	188.45	21.56	56	10.51	0.00	0.15	2.55
04.21.2021	17:26:50	S	3402.88	W	817.62	54	55	3	188.35	21.56	51	10.51	0.00	0.15	2.51
04.21.2021	17:27:50	S	3402.9	W	817.36	57	57	3	188.24	21.61	53	10.52	0.00	0.15	-0.37
04.21.2021	17:28:50	S	3402.92	W	817.14	57	58	4	188.52	21.59	53	10.51	0.00	0.15	-0.38
04.21.2021	17:29:50	S	3402.93	W	816.88	53	54	3	188.48	21.55	48	10.51	0.00	0.15	-0.37
04.21.2021	17:30:56	S	3402.94	W	816.65	54	54	8	188.54	21.54	45	10.52	0.00	0.14	-0.39
04.21.2021	17:31:56	S	3402.94	W	816.4	55	56	6	188.63	21.56	49	10.52	0.00	0.15	-0.35
04.21.2021	17:32:56	S	3402.95	W	816.13	55	56	4	188.54	21.51	51	10.52	0.00	0.53	2.45
04.21.2021	17:33:56	S	3402.96	W	815.89	55	56	4	188.45	21.48	51	10.51	0.00	0.14	2.51
04.21.2021	17:34:56	S	3402.96	W	815.68	54	55	2	188.76	21.54	52	10.50	0.00	0.13	2.48
04.21.2021	17:35:56	S	3402.97	W	815.42	52	53	2	188.65	21.54	51	10.52	0.00	0.15	2.51
04.21.2021	17:36:56	S	3402.98	W	815.19	57	57	3	188.63	21.48	53	10.51	0.00	0.14	2.52
04.21.2021	17:37:56	S	3402.99	W	814.93	52	53	1	188.78	21.53	51	10.50	0.00	0.12	-0.38
04.21.2021	17:38:56	S	3403	W	814.68	54	55	6	188.63	21.48	48	10.51	0.00	0.14	-0.37
04.21.2021	17:39:56	S	3403	W	814.42	58	58	9	188.67	21.48	48	10.51	0.00	0.14	-0.37
04.21.2021	17:40:52	S	3403.01	W	814.22	55	56	6	188.65	21.49	49	10.49	0.00	0.14	-0.37
04.21.2021	17:41:52	S	3403.01	W	813.97	58	59	7	188.52	21.50	51	10.50	0.00	0.15	-0.37
04.21.2021	17:42:52	S	3403.01	W	813.71	57	58	6	188.41	21.48	51	10.51	0.00	0.14	2.55
04.21.2021	17:43:52	S	3403.02	W	813.44	56	57	5	188.04	21.46	51	10.52	0.00	0.14	2.55

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	17:44:52	S	3403.03	W	813.24	49	50	2	187.74	21.43	47	10.51	0.00	0.15	2.52	
04.21.2021	17:45:52	S	3403.03	W	813	55	54	5	187.85	21.48	49	10.52	0.00	0.13	2.51	
04.21.2021	17:46:52	S	3403.03	W	812.75	55	56	3	187.83	21.49	52	10.52	0.00	0.14	2.52	
04.21.2021	17:47:52	S	3403.04	W	812.51	55	54	3	188.15	21.56	51	10.51	0.00	0.14	-0.37	
04.21.2021	17:48:52	S	3403.06	W	812.23	53	53	3	187.65	21.45	50	10.51	0.00	0.13	-0.35	
04.21.2021	17:49:52	S	3403.07	W	811.99	49	50	4	187.70	21.46	45	10.51	0.00	0.14	-0.39	
04.21.2021	17:50:53	S	3403.07	W	811.75	52	53	8	188.04	21.53	45	10.51	0.00	0.14	-0.38	
04.21.2021	17:51:53	S	3403.08	W	811.52	51	51	5	187.76	21.41	45	10.50	0.00	0.14	-0.36	
04.21.2021	17:52:53	S	3403.08	W	811.27	50	51	8	187.83	21.41	43	10.50	0.00	0.18	-0.37	
04.21.2021	17:53:53	S	3403.08	W	811.02	54	54	2	188.15	21.48	52	10.52	0.00	0.14	2.54	
04.21.2021	17:54:53	S	3403.09	W	810.76	52	53	3	188.02	21.41	50	10.53	0.00	0.13	2.54	
04.21.2021	17:55:53	S	3403.1	W	810.52	49	50	6	188.15	21.41	44	10.52	0.00	0.15	2.54	
04.21.2021	17:56:53	S	3403.1	W	810.26	52	53	3	188.32	21.43	49	10.51	0.00	0.14	2.54	
04.21.2021	17:57:53	S	3403.11	W	810.01	53	55	2	188.56	21.43	52	10.50	0.00	0.15	2.50	
04.21.2021	17:58:53	S	3403.12	W	809.75	51	53	2	188.65	21.43	49	10.50	0.00	0.14	-0.38	
04.21.2021	17:59:53	S	3403.14	W	809.51	52	54	6	188.59	21.41	47	10.53	0.00	0.14	-0.37	
04.21.2021	18:00:56	S	3403.15	W	809.26	52	54	-1	188.76	21.41	53	10.51	0.00	0.15	-0.37	
04.21.2021	18:01:56	S	3403.16	W	809.03	51	54	-1	188.82	21.36	52	10.51	0.00	0.16	-0.37	
04.21.2021	18:02:56	S	3403.16	W	808.8	56	57	8	189.00	21.38	48	10.52	0.00	0.15	-0.36	
04.21.2021	18:03:56	S	3403.16	W	808.53	59	60	8	188.93	21.36	51	10.51	0.00	0.17	2.50	
04.21.2021	18:04:56	S	3403.16	W	808.31	57	58	3	188.89	21.31	53	10.52	0.00	0.14	2.52	
04.21.2021	18:05:56	S	3403.17	W	808.05	59	60	7	188.67	21.31	52	10.50	0.00	0.15	2.53	
04.21.2021	18:06:56	S	3403.18	W	807.81	56	57	7	188.82	21.39	50	10.51	0.00	0.14	2.53	
04.21.2021	18:07:56	S	3403.19	W	807.57	54	55	2	188.52	21.38	52	10.52	0.00	0.12	2.53	
04.21.2021	18:08:56	S	3403.2	W	807.33	52	53	4	188.24	21.38	48	10.50	0.00	0.14	-0.39	
04.21.2021	18:09:56	S	3403.21	W	807.08	58	59	7	188.06	21.36	51	10.51	0.00	-0.08	-0.37	
04.21.2021	18:10:58	S	3403.21	W	806.84	53	55	6	188.06	21.43	48	10.50	0.00	0.14	-0.38	
04.21.2021	18:11:58	S	3403.22	W	806.63	54	55	6	188.17	21.49	49	10.51	0.00	0.14	-0.37	
04.21.2021	18:12:58	S	3403.22	W	806.4	52	52	4	187.74	21.40	47	10.51	0.00	0.15	-0.38	
04.21.2021	18:13:58	S	3403.23	W	806.13	52	52	5	187.96	21.43	47	10.51	0.00	0.14	2.51	
04.21.2021	18:14:58	S	3403.23	W	805.92	52	54	3	187.83	21.46	51	10.51	0.00	0.14	2.57	
04.21.2021	18:15:58	S	3403.24	W	805.64	53	55	5	187.70	21.45	48	10.52	0.00	0.14	2.55	
04.21.2021	18:16:58	S	3403.25	W	805.41	51	53	6	187.83	21.46	46	10.53	0.00	0.14	2.57	
04.21.2021	18:17:58	S	3403.27	W	805.18	51	52	1	187.72	21.45	50	10.52	0.00	0.15	2.55	
04.21.2021	18:18:58	S	3403.28	W	804.95	52	53	3	187.70	21.46	49	10.50	0.00	0.14	2.53	
04.21.2021	18:19:58	S	3403.29	W	804.7	52	54	4	188.00	21.53	49	10.51	0.00	0.13	-0.37	
04.21.2021	18:20:50	S	3403.29	W	804.46	59	61	0	188.11	21.52	59	10.51	0.00	0.14	-0.34	
04.21.2021	18:21:50	S	3403.31	W	804.23	64	66	3	188.32	21.53	62	10.50	0.00	0.15	-0.40	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0									Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.	
04.21.2021	18:22:50	S	3403.34	W	804.02	61	62	7	188.41	21.56	54	10.50	0.00	0.13	-0.39	
04.21.2021	18:23:50	S	3403.38	W	803.81	61	61	10	188.32	21.55	52	10.50	0.00	0.15	-0.36	
04.21.2021	18:24:50	S	3403.44	W	803.53	56	56	5	188.35	21.57	50	10.52	0.00	0.14	2.57	
04.21.2021	18:25:50	S	3403.48	W	803.31	57	58	6	188.59	21.61	52	10.51	0.00	0.16	2.54	
04.21.2021	18:26:50	S	3403.51	W	803.09	60	62	7	188.65	21.57	53	10.51	0.00	0.13	2.58	
04.21.2021	18:27:50	S	3403.51	W	803.09	61	62	5	188.52	21.57	56	10.50	0.00	0.14	2.57	
04.21.2021	18:28:50	S	3403.61	W	802.6	57	58	4	188.45	21.64	54	10.52	0.00	0.14	2.55	
04.21.2021	18:29:50	S	3403.66	W	802.36	59	59	8	188.17	21.66	51	10.51	0.00	0.12	-0.36	
04.21.2021	18:30:57	S	3403.7	W	802.14	57	57	5	188.00	21.62	51	10.51	0.00	0.14	-0.37	
04.21.2021	18:31:57	S	3403.73	W	802.03	55	55	3	187.93	21.67	52	10.51	0.00	0.13	-0.38	
04.21.2021	18:32:57	S	3403.81	W	801.65	51	52	8	187.76	21.67	43	10.51	0.00	0.13	-0.38	
04.21.2021	18:33:57	S	3403.87	W	801.41	53	54	6	187.65	21.56	47	10.50	0.00	0.14	-0.38	
04.21.2021	18:34:57	S	3403.92	W	801.18	51	52	3	187.37	21.62	48	10.51	0.00	0.14	2.56	
04.21.2021	18:35:57	S	3403.96	W	800.95	52	53	2	187.39	21.59	49	10.52	0.00	0.15	2.59	
04.21.2021	18:36:57	S	3404.01	W	800.73	53	53	7	187.52	21.61	45	10.51	0.00	0.15	2.56	
04.21.2021	18:37:57	S	3404.06	W	800.49	51	53	2	187.43	21.59	49	10.52	0.00	0.16	2.53	
04.21.2021	18:38:57	S	3404.12	W	800.27	49	49	0	187.61	21.66	47	10.51	0.00	0.15	2.57	
04.21.2021	18:39:57	S	3404.18	W	800.03	51	53	4	187.43	21.56	47	10.51	0.00	0.14	-0.40	
04.21.2021	18:40:58	S	3404.24	W	759.79	50	52	2	187.50	21.60	49	10.51	0.00	0.14	-0.36	
04.21.2021	18:41:58	S	3404.3	W	759.56	55	56	3	187.65	21.59	52	10.51	0.00	0.14	-0.40	
04.21.2021	18:42:58	S	3404.35	W	759.33	55	57	-2	187.93	21.67	57	10.51	0.00	0.14	-0.39	
04.21.2021	18:43:58	S	3404.4	W	759.11	57	58	5	187.80	21.63	52	10.52	0.00	0.15	-0.37	
04.21.2021	18:44:58	S	3404.46	W	758.83	56	57	4	188.11	21.67	53	10.44	0.00	0.14	-0.37	
04.21.2021	18:45:58	S	3404.51	W	758.64	56	57	-2	188.06	21.67	58	10.51	0.00	0.13	2.59	
04.21.2021	18:46:58	S	3404.56	W	758.41	54	55	1	188.30	21.69	53	10.51	0.00	0.15	2.55	
04.21.2021	18:47:58	S	3404.62	W	758.16	58	58	7	188.52	21.72	51	10.51	0.00	0.14	2.53	
04.21.2021	18:48:58	S	3404.67	W	757.89	57	58	1	188.74	21.72	56	10.53	0.00	0.13	2.57	
04.21.2021	18:49:58	S	3404.72	W	757.67	59	60	2	188.56	21.64	57	10.50	0.00	0.14	2.56	
04.21.2021	18:50:54	S	3404.77	W	757.47	55	57	1	188.56	21.66	55	10.52	0.00	0.15	2.51	
04.21.2021	18:51:54	S	3404.83	W	757.19	57	58	6	188.48	21.71	51	10.52	0.00	0.15	2.53	
04.21.2021	18:52:54	S	3404.89	W	756.97	57	57	1	188.52	21.69	55	10.51	0.00	0.15	2.50	
04.21.2021	18:53:54	S	3404.95	W	756.72	59	60	4	188.35	21.64	55	10.51	0.00	0.16	2.51	
04.21.2021	18:54:54	S	3405	W	756.5	49	50	5	188.22	21.65	44	10.50	0.00	0.15	-0.38	
04.21.2021	18:55:54	S	3405.05	W	756.26	51	51	2	188.04	21.61	48	10.51	0.00	0.13	2.55	
04.21.2021	18:56:54	S	3405.1	W	756.04	50	51	3	187.96	21.64	47	10.51	0.00	0.15	2.53	
04.21.2021	18:57:54	S	3405.15	W	755.83	48	50	4	188.02	21.64	44	10.51	0.00	0.15	2.54	
04.21.2021	18:58:54	S	3405.2	W	755.57	50	52	2	187.83	21.60	49	10.52	0.00	0.16	2.53	
04.21.2021	18:59:54	S	3405.26	W	755.33	48	51	-1	187.74	21.56	50	10.52	0.00	0.14	2.53	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	19:00:56	S	3405.3	W	755.1	50	51	1	187.83	21.62	49	10.52	0.00	0.14	-0.36
04.21.2021	19:01:56	S	3405.33	W	754.88	55	57	0	187.80	21.56	56	10.50	0.00	0.12	-0.37
04.21.2021	19:02:56	S	3405.36	W	754.66	58	60	-1	187.63	21.56	60	10.51	0.00	0.13	-0.39
04.21.2021	19:03:56	S	3405.41	W	754.41	54	56	2	187.59	21.56	53	10.51	0.00	0.14	-0.34
04.21.2021	19:04:56	S	3405.44	W	754.18	54	55	6	187.33	21.56	47	10.52	0.00	0.15	-0.36
04.21.2021	19:05:56	S	3405.46	W	753.92	51	53	1	187.41	21.55	51	10.51	0.00	0.15	-0.37
04.21.2021	19:06:56	S	3405.46	W	753.71	58	60	-0	187.41	21.48	59	10.51	0.00	0.12	-0.38
04.21.2021	19:07:56	S	3405.44	W	753.46	59	60	6	187.63	21.50	53	10.51	0.00	0.13	-0.39
04.21.2021	19:08:56	S	3405.42	W	753.22	61	63	9	187.54	21.52	52	10.54	0.00	0.13	-0.38
04.21.2021	19:09:56	S	3405.41	W	752.98	58	58	0	187.85	21.57	57	10.52	0.00	0.14	-0.37
04.21.2021	19:10:53	S	3405.41	W	752.73	57	58	3	187.70	21.54	54	10.50	0.00	0.15	2.56
04.21.2021	19:11:53	S	3405.4	W	752.5	55	56	4	187.61	21.56	51	10.51	0.00	0.15	2.55
04.21.2021	19:12:53	S	3405.4	W	752.24	56	57	5	187.50	21.48	52	10.51	0.00	0.13	2.52
04.21.2021	19:13:53	S	3405.4	W	752.02	57	57	3	187.74	21.52	54	10.53	0.00	0.15	2.57
04.21.2021	19:14:53	S	3405.39	W	751.75	55	57	4	187.80	21.56	51	10.51	0.00	0.13	2.56
04.21.2021	19:15:53	S	3405.38	W	751.53	52	53	4	187.76	21.51	49	10.51	0.00	0.13	-0.39
04.21.2021	19:16:53	S	3405.38	W	751.29	55	55	3	187.70	21.50	52	10.51	0.00	0.13	-0.36
04.21.2021	19:17:53	S	3405.37	W	751.02	54	55	4	187.72	21.55	51	10.50	0.00	0.14	-0.37
04.21.2021	19:18:53	S	3405.35	W	750.78	57	57	9	187.54	21.54	48	10.51	0.00	0.12	-0.37
04.21.2021	19:19:53	S	3405.34	W	750.51	57	57	5	187.52	21.52	52	10.51	0.00	0.16	-0.37
04.21.2021	19:20:55	S	3405.34	W	750.29	49	50	1	187.48	21.59	48	10.51	0.00	0.15	-0.36
04.21.2021	19:21:55	S	3405.33	W	750.02	52	53	4	187.13	21.56	48	10.50	0.00	0.14	2.58
04.21.2021	19:22:55	S	3405.31	W	749.79	51	51	2	186.91	21.54	49	10.50	0.00	0.16	2.60
04.21.2021	19:23:55	S	3405.3	W	749.53	50	51	-2	187.09	21.65	52	10.52	0.00	0.15	2.61
04.21.2021	19:24:55	S	3405.29	W	749.3	48	51	0	186.57	21.69	49	10.51	0.00	0.15	2.57
04.21.2021	19:25:55	S	3405.28	W	749.07	49	50	2	186.50	21.53	47	10.52	0.00	0.15	2.59
04.21.2021	19:26:55	S	3405.27	W	748.83	53	54	1	186.70	21.60	52	10.51	0.00	0.14	-0.38
04.21.2021	19:27:55	S	3405.26	W	748.55	51	53	-1	186.65	21.59	53	10.51	0.00	0.13	-0.40
04.21.2021	19:28:55	S	3405.24	W	748.32	56	58	8	186.83	21.64	49	10.51	0.00	0.14	-0.38
04.21.2021	19:29:55	S	3405.22	W	748.09	59	60	6	186.87	21.60	53	10.51	0.00	0.15	-0.36
04.21.2021	19:30:56	S	3405.2	W	747.83	60	61	2	186.96	21.64	57	10.52	0.00	0.14	-0.37
04.21.2021	19:31:56	S	3405.19	W	747.6	57	58	1	187.00	21.66	56	10.51	0.00	0.14	2.58
04.21.2021	19:32:56	S	3405.18	W	747.31	55	57	4	187.02	21.67	51	10.50	0.00	0.14	2.54
04.21.2021	19:33:56	S	3405.18	W	747.17	56	56	2	186.98	21.66	53	10.50	0.00	0.13	2.55
04.21.2021	19:34:56	S	3405.17	W	746.84	57	58	-0	186.91	21.59	57	10.50	0.00	0.15	2.56
04.21.2021	19:35:56	S	3405.16	W	746.59	54	55	3	186.96	21.55	51	10.51	0.00	0.13	2.55
04.21.2021	19:36:56	S	3405.15	W	746.32	54	53	3	187.22	21.52	51	10.51	0.00	0.14	-0.39
04.21.2021	19:37:56	S	3405.13	W	746.05	52	52	2	187.33	21.49	49	10.52	0.00	0.13	-0.37

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	19:38:56	S	3405.11	W	745.82	54	53	5	187.63	21.55	48	10.52	0.00	0.13	-0.38	
04.21.2021	19:39:56	S	3405.09	W	745.56	52	53	7	187.59	21.48	45	10.50	0.00	0.13	-0.37	
04.21.2021	19:40:52	S	3405.08	W	745.3	51	51	4	187.72	21.45	46	10.52	0.00	0.14	-0.36	
04.21.2021	19:41:52	S	3405.06	W	745.08	50	52	-0	187.61	21.40	51	10.52	0.00	0.15	2.61	
04.21.2021	19:42:51	S	3405.05	W	744.79	47	49	4	187.85	21.49	44	10.52	0.00	0.15	2.60	
04.21.2021	19:43:51	S	3405.03	W	744.54	49	50	4	187.70	21.41	44	10.53	0.00	0.15	2.60	
04.21.2021	19:44:51	S	3405.02	W	744.3	51	51	3	187.43	21.39	48	10.50	0.00	0.13	2.60	
04.21.2021	19:45:51	S	3405	W	744.04	51	53	2	187.63	21.46	50	10.51	0.00	0.14	2.61	
04.21.2021	19:46:51	S	3404.99	W	743.81	51	53	3	187.33	21.46	49	10.52	0.00	0.13	-0.37	
04.21.2021	19:47:51	S	3404.96	W	743.53	54	56	1	187.00	21.36	53	10.53	0.00	0.12	-0.36	
04.21.2021	19:48:51	S	3404.95	W	743.29	52	53	1	186.89	21.40	51	10.50	0.00	0.13	-0.37	
04.21.2021	19:49:51	S	3404.92	W	743.07	55	57	4	186.87	21.38	51	10.51	0.00	0.14	-0.38	
04.21.2021	19:50:51	S	3404.9	W	742.8	56	56	2	186.89	21.41	53	10.51	0.00	0.12	-0.38	
04.21.2021	19:51:51	S	3404.88	W	742.57	56	58	0	186.98	21.39	57	10.52	0.00	0.15	-0.37	
04.21.2021	19:52:51	S	3404.85	W	742.31	58	59	4	186.96	21.36	54	10.52	0.00	0.14	2.57	
04.21.2021	19:53:51	S	3404.83	W	742.06	55	57	5	187.02	21.45	51	10.51	0.00	0.15	2.56	
04.21.2021	19:54:51	S	3404.81	W	741.79	54	54	1	186.89	21.40	53	10.50	0.00	0.16	2.59	
04.21.2021	19:55:51	S	3404.79	W	741.59	51	52	-0	186.76	21.43	51	10.51	0.00	0.16	2.57	
04.21.2021	19:56:51	S	3404.77	W	741.28	55	57	7	186.76	21.40	49	10.52	0.00	0.13	2.59	
04.21.2021	19:57:51	S	3404.75	W	741.04	56	58	4	186.78	21.36	53	10.51	0.00	0.13	-0.37	
04.21.2021	19:58:51	S	3404.74	W	740.81	53	53	4	187.07	21.41	49	10.51	0.00	0.13	-0.37	
04.21.2021	19:59:51	S	3404.72	W	740.55	53	54	9	187.20	21.46	44	10.49	0.00	0.13	-0.38	
04.21.2021	20:00:51	S	3404.71	W	740.31	50	50	6	187.24	21.43	43	10.52	0.00	0.15	-0.37	
04.21.2021	20:01:51	S	3404.69	W	740.04	49	49	9	187.13	21.41	39	10.51	0.00	0.15	-0.37	
04.21.2021	20:02:51	S	3404.67	W	739.83	50	50	4	187.24	21.45	46	10.52	0.00	0.15	2.53	
04.21.2021	20:03:51	S	3404.65	W	739.57	51	52	6	187.11	21.36	46	10.52	0.00	0.17	2.56	
04.21.2021	20:04:51	S	3404.63	W	739.33	50	51	4	187.28	21.43	46	10.51	0.00	0.15	2.57	
04.21.2021	20:05:51	S	3404.6	W	739.05	51	51	2	187.24	21.46	49	10.51	0.00	0.14	2.56	
04.21.2021	20:06:51	S	3404.59	W	738.81	51	53	4	187.13	21.48	49	10.51	0.00	0.13	2.58	
04.21.2021	20:07:51	S	3404.56	W	738.56	53	54	4	187.09	21.51	48	10.51	0.00	0.12	-0.37	
04.21.2021	20:08:51	S	3404.55	W	738.32	57	60	1	187.02	21.51	56	10.50	0.00	0.14	-0.38	
04.21.2021	20:09:51	S	3404.54	W	738.08	56	58	-2	186.81	21.50	58	10.52	0.00	0.14	-0.38	
04.21.2021	20:10:57	S	3404.55	W	737.79	54	55	-2	186.59	21.53	56	10.52	0.00	0.11	-0.38	
04.21.2021	20:11:57	S	3404.56	W	737.57	55	57	7	186.39	21.53	48	10.50	0.00	0.13	-0.37	
04.21.2021	20:12:57	S	3404.56	W	737.32	53	55	4	186.28	21.51	49	10.52	0.00	0.17	2.58	
04.21.2021	20:13:57	S	3404.57	W	737.06	54	55	1	186.07	21.46	52	10.51	0.00	0.12	2.57	
04.21.2021	20:14:57	S	3404.58	W	736.85	56	57	5	186.35	21.50	52	10.50	0.00	0.15	2.56	
04.21.2021	20:15:57	S	3404.59	W	736.6	53	54	2	186.09	21.46	51	10.53	0.00	0.16	2.58	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	20:16:57	S	3404.59	W	736.35	54	55	5	186.24	21.46	49	10.52	0.00	0.14	2.57	
04.21.2021	20:17:57	S	3404.59	W	736.11	56	56	1	186.46	21.50	55	10.51	0.00	0.13	2.60	
04.21.2021	20:18:57	S	3404.6	W	735.86	56	57	3	186.57	21.56	54	10.52	0.00	0.13	-0.37	
04.21.2021	20:19:57	S	3404.6	W	735.62	55	55	4	186.50	21.48	51	10.51	0.00	0.13	-0.38	
04.21.2021	20:20:56	S	3404.61	W	735.37	54	54	3	186.39	21.43	50	10.51	0.00	0.14	-0.39	
04.21.2021	20:21:56	S	3404.61	W	735.12	53	53	3	186.70	21.46	49	10.51	0.00	0.44	-0.38	
04.21.2021	20:22:56	S	3404.62	W	734.87	51	51	5	186.59	21.45	45	10.52	0.00	0.13	-0.36	
04.21.2021	20:23:56	S	3404.63	W	734.61	53	53	10	186.70	21.46	43	10.52	0.00	0.17	2.59	
04.21.2021	20:24:56	S	3404.63	W	734.38	50	50	5	186.87	21.43	45	10.52	0.00	0.15	2.57	
04.21.2021	20:25:56	S	3404.64	W	734.11	49	50	2	187.09	21.48	48	10.50	0.00	0.16	2.54	
04.21.2021	20:26:56	S	3404.66	W	733.85	48	48	3	186.87	21.39	45	10.49	0.00	0.14	2.55	
04.21.2021	20:27:56	S	3404.67	W	733.62	47	48	3	186.78	21.34	44	10.52	0.00	0.13	2.54	
04.21.2021	20:28:56	S	3404.68	W	733.35	47	48	3	187.09	21.39	44	10.51	0.00	0.12	-0.38	
04.21.2021	20:29:56	S	3404.68	W	733.14	52	53	1	187.17	21.40	51	10.52	0.00	0.12	-0.37	
04.21.2021	20:30:52	S	3404.68	W	732.9	51	53	0	187.28	21.42	51	10.50	0.00	0.13	-0.37	
04.21.2021	20:31:52	S	3404.7	W	732.66	50	52	1	187.07	21.38	47	10.50	0.00	0.13	-0.36	
04.21.2021	20:32:52	S	3404.72	W	732.4	50	52	2	186.89	21.36	48	10.52	0.00	0.17	-0.37	
04.21.2021	20:33:52	S	3404.73	W	732.14	52	53	1	186.91	21.35	51	10.51	0.00	0.15	2.55	
04.21.2021	20:34:52	S	3404.74	W	731.91	55	56	1	186.59	21.31	53	10.50	0.00	0.14	2.59	
04.21.2021	20:35:52	S	3404.74	W	731.83	55	58	1	186.81	21.33	56	10.49	0.00	0.16	2.57	
04.21.2021	20:36:52	S	3404.76	W	731.43	56	56	2	186.61	21.26	53	10.51	0.00	0.16	2.56	
04.21.2021	20:37:52	S	3404.77	W	731.19	58	59	1	186.65	21.25	57	10.53	0.00	0.17	2.57	
04.21.2021	20:38:52	S	3404.79	W	730.94	56	58	3	186.28	21.10	53	10.52	0.00	0.13	-0.37	
04.21.2021	20:39:52	S	3404.8	W	730.7	55	56	5	186.57	21.10	49	10.53	0.00	0.13	-0.40	
04.21.2021	20:40:53	S	3404.81	W	730.43	55	55	3	186.72	21.15	51	10.52	0.00	0.13	-0.37	
04.21.2021	20:41:53	S	3404.82	W	730.21	57	58	2	186.61	21.05	55	10.51	0.00	0.13	-0.37	
04.21.2021	20:42:53	S	3404.83	W	729.94	54	55	3	186.65	21.05	51	10.51	0.00	0.13	-0.35	
04.21.2021	20:43:53	S	3404.85	W	729.7	51	51	6	186.37	21.01	44	10.50	0.00	0.16	-0.39	
04.21.2021	20:44:53	S	3404.85	W	729.46	54	53	4	186.68	21.10	49	10.50	0.00	0.15	2.59	
04.21.2021	20:45:53	S	3404.85	W	729.22	54	55	1	186.50	21.04	53	10.52	0.00	0.15	2.59	
04.21.2021	20:46:53	S	3404.87	W	728.98	53	55	8	186.72	21.12	46	10.52	0.00	0.15	2.59	
04.21.2021	20:47:53	S	3404.89	W	728.73	51	52	7	186.70	21.12	44	10.50	0.00	0.16	2.60	
04.21.2021	20:48:53	S	3404.91	W	728.5	49	49	-0	186.68	21.10	49	10.52	0.00	0.14	2.61	
04.21.2021	20:49:53	S	3404.92	W	728.29	49	50	4	186.87	21.15	45	10.51	0.00	0.12	-0.37	
04.21.2021	20:50:54	S	3404.94	W	728.02	49	50	5	186.91	21.08	44	10.52	0.00	0.12	-0.36	
04.21.2021	20:51:54	S	3404.96	W	727.77	50	51	5	186.98	21.04	46	10.51	0.00	0.14	-0.40	
04.21.2021	20:52:54	S	3404.98	W	727.53	48	49	1	186.76	20.98	47	10.51	0.00	0.13	-0.38	
04.21.2021	20:53:54	S	3404.99	W	727.31	49	51	-1	187.17	21.09	50	10.51	0.00	0.15	-0.34	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	20:54:54	S	3405	W	727.07	54	56	3	187.09	21.06	51	10.52	0.00	0.16	2.60
04.21.2021	20:55:54	S	3405.01	W	726.86	53	55	4	186.98	21.03	49	10.51	0.00	0.16	2.63
04.21.2021	20:56:54	S	3405.02	W	726.6	53	55	-3	187.02	21.09	56	10.51	0.00	0.15	2.59
04.21.2021	20:57:54	S	3405.04	W	726.35	55	58	0	186.98	21.07	56	10.51	0.00	0.15	2.59
04.21.2021	20:58:54	S	3405.06	W	726.12	56	58	3	186.91	21.14	53	10.51	0.00	0.15	2.65
04.21.2021	20:59:54	S	3405.08	W	725.88	51	52	5	186.48	21.06	46	10.49	0.00	0.13	-0.37
04.21.2021	21:00:52	S	3405.1	W	725.64	54	56	2	186.35	21.10	53	10.50	0.00	0.13	-0.37
04.21.2021	21:01:52	S	3405.1	W	725.4	55	57	1	186.07	21.00	54	10.50	0.00	0.12	-0.37
04.21.2021	21:02:52	S	3405.11	W	725.16	57	58	8	186.26	21.04	49	10.51	0.00	0.13	-0.38
04.21.2021	21:03:52	S	3405.12	W	724.9	51	52	3	186.26	21.08	48	10.51	0.00	0.13	-0.36
04.21.2021	21:04:52	S	3405.13	W	724.66	56	57	-0	186.24	21.12	56	10.52	0.00	0.16	2.57
04.21.2021	21:05:52	S	3405.13	W	724.43	55	56	6	186.20	21.10	48	10.52	0.00	0.16	2.57
04.21.2021	21:06:52	S	3405.15	W	724.17	54	55	5	186.00	21.04	49	10.52	0.00	0.15	2.55
04.21.2021	21:07:52	S	3405.16	W	723.95	56	56	5	186.26	21.11	50	10.51	0.00	0.15	2.54
04.21.2021	21:08:52	S	3405.17	W	723.69	56	57	2	186.57	21.18	54	10.51	0.00	0.15	2.54
04.21.2021	21:09:52	S	3405.19	W	723.46	50	51	6	186.28	21.10	45	10.50	0.00	0.14	2.57
04.21.2021	21:10:59	S	3405.21	W	723.23	54	54	7	186.35	21.14	47	10.51	0.00	0.14	-0.39
04.21.2021	21:11:59	S	3405.23	W	722.96	50	50	3	186.35	21.11	46	10.52	0.00	0.14	-0.37
04.21.2021	21:12:59	S	3405.24	W	722.73	47	49	2	186.37	21.10	46	10.51	0.00	0.10	-0.37
04.21.2021	21:13:59	S	3405.25	W	722.48	48	50	6	186.37	21.07	43	10.51	0.00	0.13	-0.37
04.21.2021	21:14:59	S	3405.26	W	722.23	54	55	5	186.78	21.10	49	10.50	0.00	0.15	-0.38
04.21.2021	21:15:59	S	3405.27	W	722	50	50	1	186.81	21.11	49	10.51	0.00	0.14	2.57
04.21.2021	21:16:59	S	3405.28	W	721.78	51	52	-1	186.68	21.06	52	10.48	0.00	0.16	2.58
04.21.2021	21:17:59	S	3405.3	W	721.52	52	54	2	186.98	21.06	51	10.53	0.00	0.14	2.60
04.21.2021	21:18:59	S	3405.31	W	721.28	52	54	1	187.17	21.09	53	10.51	0.00	0.15	2.60
04.21.2021	21:19:59	S	3405.32	W	721.02	55	57	-1	187.20	21.05	57	10.52	0.00	0.17	2.60
04.21.2021	21:20:52	S	3405.33	W	720.78	56	58	1	187.09	21.07	55	10.51	0.00	0.14	-0.36
04.21.2021	21:21:52	S	3405.34	W	720.56	57	59	5	187.11	21.05	53	10.51	0.00	0.14	-0.37
04.21.2021	21:22:52	S	3405.34	W	720.29	64	64	10	186.98	21.07	54	10.51	0.00	0.14	-0.37
04.21.2021	21:23:52	S	3405.35	W	720.07	56	57	0	186.96	21.10	56	10.52	0.00	0.14	-0.34
04.21.2021	21:24:52	S	3405.37	W	719.81	56	57	2	186.59	21.05	54	10.51	0.00	0.13	-0.36
04.21.2021	21:25:52	S	3405.37	W	719.58	56	57	3	186.46	21.04	52	10.50	0.00	0.15	2.59
04.21.2021	21:26:52	S	3405.38	W	719.36	52	53	4	186.13	21.01	49	10.53	0.00	0.16	2.58
04.21.2021	21:27:52	S	3405.39	W	719.12	58	58	5	186.09	21.09	53	10.52	0.00	0.15	2.58
04.21.2021	21:28:52	S	3405.39	W	718.88	59	60	4	186.13	21.01	55	10.51	0.00	0.15	2.58
04.21.2021	21:29:52	S	3405.4	W	718.61	58	59	4	186.13	21.04	52	10.51	0.00	0.16	2.56
04.21.2021	21:30:52	S	3405.41	W	718.36	57	57	3	186.18	21.07	54	10.53	0.00	0.11	-0.37
04.21.2021	21:31:52	S	3405.42	W	718.13	55	55	4	186.18	21.06	51	10.49	0.00	0.08	-0.38

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0									Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.	
04.21.2021	21:32:52	S	3405.43	W	717.9	53	53	7	186.35	21.14	47	10.52	0.00	0.13	-0.38	
04.21.2021	21:33:52	S	3405.44	W	717.65	51	51	4	186.00	21.05	47	10.49	0.00	0.13	-0.40	
04.21.2021	21:34:52	S	3405.45	W	717.39	48	49	1	186.15	21.16	47	10.51	0.00	0.13	-0.37	
04.21.2021	21:35:52	S	3405.46	W	717.13	48	48	0	185.74	21.04	47	10.53	0.00	0.15	-0.36	
04.21.2021	21:36:52	S	3405.47	W	716.93	50	50	2	185.89	21.07	48	10.50	0.00	0.15	2.53	
04.21.2021	21:37:52	S	3405.48	W	716.66	53	53	2	185.98	21.12	50	10.50	0.00	0.15	2.59	
04.21.2021	21:38:52	S	3405.48	W	716.45	52	54	2	186.20	21.19	51	10.51	0.00	0.14	2.60	
04.21.2021	21:39:52	S	3405.49	W	716.19	51	53	-1	185.94	21.09	52	10.52	0.00	0.18	2.59	
04.21.2021	21:40:57	S	3405.5	W	715.96	48	52	3	186.09	21.11	47	10.52	0.00	0.15	2.60	
04.21.2021	21:41:57	S	3405.51	W	715.7	50	53	-0	186.13	21.12	51	10.50	0.00	0.13	-0.39	
04.21.2021	21:42:57	S	3405.51	W	715.44	57	58	0	185.98	21.06	57	10.52	0.00	0.13	-0.37	
04.21.2021	21:43:57	S	3405.51	W	715.19	56	58	2	186.18	21.08	54	10.52	0.00	0.13	-0.36	
04.21.2021	21:44:57	S	3405.52	W	714.99	54	55	5	186.13	21.09	49	10.51	0.00	0.13	-0.39	
04.21.2021	21:45:57	S	3405.53	W	714.7	54	54	-1	186.26	21.07	55	10.51	0.00	0.11	-0.37	
04.21.2021	21:46:57	S	3405.53	W	714.5	55	57	2	186.31	21.11	53	10.51	0.00	0.15	2.59	
04.21.2021	21:47:57	S	3405.53	W	714.23	57	58	4	186.37	21.09	53	10.49	0.00	0.14	2.60	
04.21.2021	21:48:57	S	3405.54	W	713.99	60	61	5	186.28	21.09	56	10.51	0.00	0.15	2.63	
04.21.2021	21:49:57	S	3405.55	W	713.75	54	54	5	186.15	21.10	48	10.53	0.00	0.15	2.61	
04.21.2021	21:50:59	S	3405.56	W	713.51	54	55	2	186.05	21.12	52	10.52	0.00	0.15	2.61	
04.21.2021	21:51:59	S	3405.56	W	713.23	54	55	5	185.57	21.00	49	10.50	0.00	0.12	-0.38	
04.21.2021	21:52:59	S	3405.56	W	713.01	53	53	4	185.63	21.08	49	10.52	0.00	0.15	-0.37	
04.21.2021	21:53:59	S	3405.57	W	712.79	53	53	1	185.48	21.14	52	10.52	0.00	0.12	-0.37	
04.21.2021	21:54:59	S	3405.57	W	712.53	56	57	5	185.35	21.09	51	10.52	0.00	0.11	-0.37	
04.21.2021	21:55:59	S	3405.58	W	712.3	52	52	4	185.24	21.06	47	10.51	0.00	0.13	-0.34	
04.21.2021	21:56:59	S	3405.58	W	712.04	52	52	8	185.22	21.11	44	10.52	0.00	0.15	2.57	
04.21.2021	21:57:59	S	3405.58	W	711.82	49	49	2	185.16	21.04	46	10.52	0.00	0.15	2.61	
04.21.2021	21:58:59	S	3405.58	W	711.6	49	50	5	185.24	21.08	44	10.51	0.00	0.14	2.63	
04.21.2021	21:59:59	S	3405.58	W	711.37	51	53	4	185.44	21.14	47	10.51	0.00	0.16	2.62	
04.21.2021	22:00:57	S	3405.58	W	711.12	53	54	2	185.48	21.07	51	10.51	0.00	0.15	2.64	
04.21.2021	22:01:57	S	3405.59	W	710.86	50	51	1	185.68	21.12	49	10.51	0.00	0.12	2.58	
04.21.2021	22:02:57	S	3405.59	W	710.6	52	54	2	185.96	21.15	50	10.51	0.00	0.13	-0.38	
04.21.2021	22:03:57	S	3405.6	W	710.38	53	55	3	185.96	21.09	50	10.51	0.00	0.13	-0.37	
04.21.2021	22:04:57	S	3405.6	W	710.12	54	55	3	186.15	21.09	51	10.52	0.00	0.12	-0.37	
04.21.2021	22:05:57	S	3405.6	W	709.91	56	57	2	186.13	21.07	54	10.51	0.00	0.12	-0.37	
04.21.2021	22:06:57	S	3405.61	W	709.67	58	59	5	186.13	21.06	53	10.51	0.00	0.13	-0.36	
04.21.2021	22:07:57	S	3405.62	W	709.42	58	58	1	186.26	21.10	57	10.51	0.00	0.13	2.66	
04.21.2021	22:08:57	S	3405.63	W	709.2	58	59	1	186.48	21.10	57	10.52	0.00	0.16	2.64	
04.21.2021	22:09:57	S	3405.66	W	708.97	60	61	6	186.31	21.10	54	10.50	0.00	0.15	2.62	

3. Sampling Data (20210421)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0						Hull No. : SC271			
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	22:10:54	S	3405.68	W	708.72	56	57	4	186.41	21.14	52	10.51	0.00	0.15	2.65
04.21.2021	22:11:54	S	3405.69	W	708.51	56	56	4	186.55	21.15	52	10.51	0.00	0.15	2.63
04.21.2021	22:12:54	S	3405.7	W	708.28	56	57	-1	186.59	21.16	57	10.51	0.00	0.13	-0.37
04.21.2021	22:13:54	S	3405.71	W	708.02	57	57	5	186.24	21.09	51	10.53	0.00	0.14	-0.37
04.21.2021	22:14:54	S	3405.72	W	707.81	59	59	2	186.59	21.17	57	10.51	0.00	0.13	-0.37
04.21.2021	22:15:54	S	3405.73	W	707.58	58	58	5	186.41	21.20	53	10.53	0.00	0.13	-0.37
04.21.2021	22:16:54	S	3405.74	W	707.36	55	56	2	186.09	21.12	53	10.51	0.00	0.14	-0.38
04.21.2021	22:17:54	S	3405.76	W	707.1	52	53	4	185.87	21.12	48	10.52	0.00	0.15	2.61
04.21.2021	22:18:54	S	3405.77	W	706.85	55	55	6	185.87	21.16	48	10.51	0.00	0.15	2.62
04.21.2021	22:19:54	S	3405.79	W	706.62	52	52	-0	185.94	21.22	52	10.51	0.00	0.16	2.64
04.21.2021	22:20:53	S	3405.8	W	706.41	54	54	1	185.66	21.18	52	10.50	0.00	0.15	2.66
04.21.2021	22:21:53	S	3405.8	W	706.36	52	53	4	185.35	21.15	48	10.50	0.00	0.15	2.64
04.21.2021	22:22:53	S	3405.85	W	705.94	48	50	-3	185.22	21.11	51	10.52	0.00	0.13	-0.37
04.21.2021	22:23:53	S	3405.87	W	705.7	46	48	-2	185.35	21.18	48	10.51	0.00	0.13	-0.39
04.21.2021	22:24:53	S	3405.89	W	705.45	49	52	-0	185.33	21.16	50	10.51	0.00	0.13	-0.37
04.21.2021	22:25:53	S	3405.9	W	705.23	52	53	1	185.46	21.16	51	10.50	0.00	0.13	-0.38
04.21.2021	22:26:53	S	3405.91	W	705.02	54	56	-1	185.13	21.11	55	10.52	0.00	0.12	-0.37
04.21.2021	22:27:53	S	3405.93	W	704.74	54	56	-1	185.16	21.14	55	10.54	0.00	0.13	2.64
04.21.2021	22:28:53	S	3405.94	W	704.51	57	59	1	185.24	21.12	57	10.52	0.00	0.16	2.68
04.21.2021	22:29:53	S	3405.95	W	704.33	57	58	1	185.31	21.11	56	10.52	0.00	0.15	2.67
04.21.2021	22:30:56	S	3405.97	W	704.07	54	55	2	185.24	21.12	52	10.52	0.00	0.15	2.69
04.21.2021	22:31:56	S	3405.99	W	703.84	52	53	-0	185.37	21.15	52	10.52	0.00	0.15	2.64
04.21.2021	22:32:56	S	3406	W	703.59	56	57	2	185.48	21.14	55	10.52	0.00	0.15	2.65
04.21.2021	22:33:56	S	3406.01	W	703.35	55	56	5	185.66	21.18	51	10.51	0.00	0.14	-0.37
04.21.2021	22:34:56	S	3406.02	W	703.14	57	57	1	185.76	21.14	56	10.51	0.00	0.13	-0.36
04.21.2021	22:35:56	S	3406.04	W	702.89	58	59	1	185.85	21.12	57	10.52	0.00	0.12	-0.38
04.21.2021	22:36:56	S	3406.06	W	702.64	56	58	2	185.98	21.16	55	10.51	0.00	0.14	-0.37
04.21.2021	22:37:56	S	3406.09	W	702.4	53	55	5	185.89	21.11	50	10.51	0.00	0.14	-0.36
04.21.2021	22:38:56	S	3406.1	W	702.18	52	53	0	185.98	21.16	52	10.52	0.00	0.16	2.66
04.21.2021	22:39:56	S	3406.12	W	701.95	54	54	3	186.00	21.17	50	10.51	0.00	0.15	2.64
04.21.2021	22:40:54	S	3406.13	W	701.71	57	57	8	186.07	21.19	48	10.51	0.00	0.15	2.64
04.21.2021	22:41:54	S	3406.15	W	701.46	51	51	5	186.18	21.24	46	10.52	0.00	0.15	2.64
04.21.2021	22:42:54	S	3406.16	W	701.23	52	53	0	185.87	21.22	51	10.52	0.00	0.14	2.65
04.21.2021	22:43:54	S	3406.18	W	701	54	54	4	185.55	21.15	49	10.53	0.00	0.12	-0.36
04.21.2021	22:44:54	S	3406.2	W	700.77	53	54	5	185.96	21.31	48	10.52	0.00	0.13	-0.38
04.21.2021	22:45:54	S	3406.22	W	700.55	50	51	1	185.55	21.24	49	10.52	0.00	0.14	-0.36
04.21.2021	22:46:54	S	3406.24	W	700.33	52	54	-3	185.44	21.22	55	10.50	0.00	0.13	-0.37
04.21.2021	22:47:54	S	3406.25	W	700.1	51	53	1	185.59	21.28	51	10.51	0.00	0.13	-0.37

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	22:48:54	S	3406.27	W	659.86	50	52	0	185.35	21.22	50	10.52	0.00	0.12	2.79	
04.21.2021	22:49:54	S	3406.28	W	659.62	59	60	-2	185.55	21.33	61	10.51	0.00	0.16	2.66	
04.21.2021	22:50:53	S	3406.3	W	659.41	58	59	-1	185.83	21.35	58	10.51	0.00	0.15	2.65	
04.21.2021	22:51:53	S	3406.32	W	659.15	59	60	6	185.63	21.31	53	10.52	0.00	0.15	2.69	
04.21.2021	22:52:53	S	3406.33	W	658.92	57	58	4	185.79	21.35	54	10.51	0.00	0.16	2.69	
04.21.2021	22:53:53	S	3406.35	W	658.71	58	58	3	185.63	21.32	55	10.51	0.00	0.15	-0.37	
04.21.2021	22:54:53	S	3406.35	W	658.47	56	57	1	185.74	21.36	55	10.50	0.00	0.10	-0.38	
04.21.2021	22:55:53	S	3406.36	W	658.25	58	58	5	185.83	21.35	52	10.52	0.00	0.14	-0.38	
04.21.2021	22:56:53	S	3406.37	W	658.01	58	59	6	185.94	21.38	53	10.50	0.00	0.13	-0.34	
04.21.2021	22:57:53	S	3406.37	W	657.75	58	59	1	185.72	21.34	57	10.51	0.00	0.13	-0.36	
04.21.2021	22:58:53	S	3406.37	W	657.54	59	59	3	185.72	21.31	56	10.51	0.00	0.12	-0.38	
04.21.2021	22:59:53	S	3406.38	W	657.28	58	59	6	186.09	21.41	52	10.53	0.00	0.17	2.62	
04.21.2021	23:00:57	S	3406.39	W	657.04	58	58	4	186.13	21.39	54	10.52	0.00	0.15	2.62	
04.21.2021	23:01:57	S	3406.4	W	656.83	55	57	0	186.07	21.34	55	10.51	0.00	0.14	2.62	
04.21.2021	23:02:57	S	3406.41	W	656.6	57	57	6	186.20	21.38	51	10.51	0.00	0.14	2.66	
04.21.2021	23:03:57	S	3406.42	W	656.37	56	56	8	186.18	21.39	48	10.52	0.00	0.15	2.67	
04.21.2021	23:04:57	S	3406.44	W	656.1	53	53	4	185.89	21.35	49	10.52	0.00	0.13	-0.37	
04.21.2021	23:05:57	S	3406.46	W	655.89	50	49	3	186.07	21.42	46	10.51	0.00	0.12	-0.37	
04.21.2021	23:06:57	S	3406.47	W	655.66	49	50	1	185.79	21.38	49	10.51	0.00	0.12	-0.38	
04.21.2021	23:07:57	S	3406.47	W	655.41	50	50	5	185.59	21.34	44	10.51	0.00	0.14	-0.37	
04.21.2021	23:08:57	S	3406.46	W	655.2	51	52	2	185.76	21.40	50	10.51	0.00	0.15	-0.36	
04.21.2021	23:09:57	S	3406.46	W	654.95	54	55	1	185.35	21.28	53	10.53	0.00	0.13	2.65	
04.21.2021	23:10:55	S	3406.47	W	654.74	53	55	2	185.37	21.36	52	10.52	0.00	0.15	2.67	
04.21.2021	23:11:55	S	3406.48	W	654.47	55	57	3	185.13	21.38	52	10.52	0.00	0.15	2.65	
04.21.2021	23:12:55	S	3406.49	W	654.23	52	54	0	184.85	21.29	53	10.51	0.00	0.13	2.64	
04.21.2021	23:13:55	S	3406.5	W	654.01	54	56	-1	184.83	21.31	55	10.50	0.00	0.15	2.71	
04.21.2021	23:14:55	S	3406.51	W	653.79	57	58	7	184.83	21.29	50	10.49	0.00	0.15	-0.38	
04.21.2021	23:15:55	S	3406.51	W	653.54	57	58	5	184.94	21.31	53	10.64	0.00	0.14	0.02	
04.21.2021	23:16:55	S	3406.51	W	653.3	59	59	1	185.05	21.33	57	10.52	0.00	0.13	-0.35	
04.21.2021	23:17:55	S	3406.51	W	653.08	55	56	2	185.05	21.31	53	10.49	0.00	0.13	-0.39	
04.21.2021	23:18:55	S	3406.51	W	652.86	56	57	3	184.83	21.24	54	10.51	0.00	0.14	-0.37	
04.21.2021	23:19:55	S	3406.52	W	652.59	58	58	4	185.11	21.34	54	10.51	0.00	0.12	2.67	
04.21.2021	23:20:52	S	3406.52	W	652.4	54	56	1	185.13	21.31	55	10.52	0.00	0.16	2.68	
04.21.2021	23:21:52	S	3406.52	W	652.17	57	57	3	185.05	21.24	53	10.51	0.00	0.15	2.60	
04.21.2021	23:22:52	S	3406.53	W	651.92	54	55	5	185.11	21.27	49	10.52	0.00	0.16	2.68	
04.21.2021	23:23:52	S	3406.53	W	651.69	55	55	6	185.24	21.25	48	10.52	0.00	0.17	2.69	
04.21.2021	23:24:52	S	3406.53	W	651.44	55	55	4	185.22	21.22	51	10.51	0.00	0.14	2.69	
04.21.2021	23:25:52	S	3406.52	W	651.21	57	57	2	185.35	21.20	55	10.52	0.00	0.12	-0.40	

3. Sampling Data (20210421)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.21.2021	23:26:52	S	3406.52	W	650.99	53	54	4	185.48	21.24	50	10.50	0.00	0.13	-0.38	
04.21.2021	23:27:52	S	3406.53	W	650.75	53	52	3	185.68	21.22	49	10.51	0.00	0.12	-0.36	
04.21.2021	23:28:52	S	3406.54	W	650.51	53	54	2	185.57	21.16	51	10.51	0.00	0.13	-0.39	
04.21.2021	23:29:52	S	3406.55	W	650.29	52	53	3	185.59	21.15	50	10.51	0.00	0.13	-0.37	
04.21.2021	23:30:52	S	3406.55	W	650.08	52	54	4	185.74	21.16	47	10.50	0.00	0.14	2.73	
04.21.2021	23:31:52	S	3406.56	W	649.82	54	55	-0	185.68	21.15	54	10.51	0.00	0.15	2.70	
04.21.2021	23:32:52	S	3406.56	W	649.58	55	57	-0	185.83	21.20	55	10.52	0.00	0.15	2.68	
04.21.2021	23:33:52	S	3406.57	W	649.37	55	57	3	185.53	21.12	53	10.52	0.00	0.14	2.71	
04.21.2021	23:34:52	S	3406.58	W	649.14	52	55	1	185.53	21.16	52	10.50	0.00	0.16	2.69	
04.21.2021	23:35:52	S	3406.58	W	648.9	57	59	0	185.59	21.17	57	10.52	0.00	0.16	-0.37	
04.21.2021	23:36:52	S	3406.59	W	648.65	59	60	2	185.55	21.22	57	10.52	0.00	0.12	-0.37	
04.21.2021	23:37:52	S	3406.59	W	648.41	58	60	3	185.44	21.22	55	10.52	0.00	0.14	-0.38	
04.21.2021	23:38:52	S	3406.6	W	648.21	56	57	3	185.16	21.16	53	10.51	0.00	0.13	-0.37	
04.21.2021	23:39:52	S	3406.6	W	647.96	58	59	3	185.22	21.22	55	10.51	0.00	0.13	-0.35	
04.21.2021	23:40:56	S	3406.6	W	647.76	59	60	3	185.11	21.15	56	10.51	0.00	0.11	2.71	
04.21.2021	23:41:56	S	3406.6	W	647.52	60	60	5	185.05	21.14	54	10.52	0.00	0.15	2.69	
04.21.2021	23:42:56	S	3406.6	W	647.29	61	61	4	185.24	21.18	56	10.52	0.00	0.16	2.73	
04.21.2021	23:43:56	S	3406.6	W	647.03	61	61	2	185.44	21.19	58	10.51	0.00	0.15	2.70	
04.21.2021	23:44:56	S	3406.61	W	646.82	58	59	3	185.53	21.18	56	10.50	0.00	0.15	2.70	
04.21.2021	23:45:56	S	3406.62	W	646.56	57	58	7	185.48	21.14	51	10.52	0.00	0.15	-0.38	
04.21.2021	23:46:56	S	3406.62	W	646.37	58	58	3	185.48	21.08	55	10.50	0.00	0.12	-0.36	
04.21.2021	23:47:56	S	3406.63	W	646.14	59	59	2	185.57	21.06	56	10.52	0.00	0.13	-0.35	
04.21.2021	23:48:56	S	3406.63	W	645.87	59	59	4	185.83	21.08	56	10.51	0.00	0.13	-0.37	
04.21.2021	23:49:56	S	3406.65	W	645.63	60	61	7	185.96	21.10	54	10.52	0.00	0.13	-0.38	
04.21.2021	23:50:58	S	3406.66	W	645.44	58	57	8	185.98	21.05	50	10.50	0.00	0.12	-0.37	
04.21.2021	23:51:58	S	3406.68	W	645.18	52	52	5	185.79	21.04	47	10.50	0.00	0.14	2.65	
04.21.2021	23:52:58	S	3406.69	W	644.99	51	52	1	185.59	20.96	49	10.52	0.00	0.16	2.71	
04.21.2021	23:53:58	S	3406.7	W	644.73	51	52	6	185.72	20.97	45	10.51	0.00	0.16	2.69	
04.21.2021	23:54:58	S	3406.7	W	644.48	48	50	4	185.83	20.96	45	10.52	0.00	0.15	2.72	
04.21.2021	23:55:58	S	3406.71	W	644.25	52	54	-1	186.00	21.00	54	10.52	0.00	0.15	2.72	
04.21.2021	23:56:58	S	3406.71	W	644.04	53	54	0	185.96	21.01	52	10.51	0.00	0.15	-0.37	
04.21.2021	23:57:58	S	3406.72	W	643.82	51	54	1	185.83	20.96	50	10.51	0.00	0.13	-0.38	
04.21.2021	23:58:58	S	3406.73	W	643.57	53	54	3	185.66	20.91	49	10.51	0.00	0.14	-0.36	
04.21.2021	23:59:58	S	3406.74	W	643.32	55	57	-2	185.72	20.94	58	10.53	0.00	0.13	-0.35	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	00:00:57	S	3406.75	W	643.13	8.6	4.6	1.8	54.9	56.8	-0.1	-0.3	321.8	8.13	107.2	
04.22.2021	00:01:57	S	3406.76	W	642.85	9.4	4.6	2.0	53.9	58.9	-0.1	-0.3	322.7	8.14	107.0	
04.22.2021	00:02:57	S	3406.76	W	642.62	11.9	4.5	2.6	53.4	57.9	-0.1	-0.3	320.5	8.13	107.2	
04.22.2021	00:03:57	S	3406.77	W	642.4	13.0	4.6	2.8	51.3	57.3	-0.1	-0.3	322.2	8.18	107.2	
04.22.2021	00:04:57	S	3406.78	W	642.18	10.5	4.6	2.2	52.0	56.8	-0.1	-0.4	323.4	8.13	107.2	
04.22.2021	00:05:57	S	3406.78	W	642.18	8.4	4.5	1.8	51.4	57.4	-0.1	-0.3	321.7	8.14	107.2	
04.22.2021	00:06:57	S	3406.78	W	641.69	11.4	4.6	2.4	50.5	56.8	-0.1	-0.3	320.1	8.13	107.2	
04.22.2021	00:07:57	S	3406.78	W	641.45	11.6	4.6	2.5	54.8	57.5	-0.0	-0.3	322.0	8.14	107.2	
04.22.2021	00:08:57	S	3406.78	W	641.22	11.1	4.6	2.4	52.2	57.3	-0.1	-0.3	320.2	8.14	107.2	
04.22.2021	00:09:57	S	3406.79	W	641.01	9.3	4.6	2.0	50.5	57.1	-0.1	-0.3	320.7	8.13	107.2	
04.22.2021	00:10:54	S	3406.8	W	640.77	9.1	4.5	2.0	53.5	57.4	-0.1	-0.4	315.0	8.17	107.4	
04.22.2021	00:11:54	S	3406.81	W	640.53	8.7	4.6	1.8	52.7	57.7	-0.0	-0.3	319.9	8.14	107.2	
04.22.2021	00:12:54	S	3406.82	W	640.27	11.2	4.5	2.4	52.2	57.6	-0.1	-0.3	315.1	8.14	107.2	
04.22.2021	00:13:54	S	3406.82	W	640.04	9.1	4.6	1.9	56.0	57.2	0.0	-0.2	318.4	8.14	107.2	
04.22.2021	00:14:54	S	3406.83	W	639.82	10.1	4.6	2.1	53.5	64.7	-0.1	-0.3	312.0	8.18	107.8	
04.22.2021	00:15:54	S	3406.84	W	639.58	10.0	4.5	2.2	51.7	65.2	-0.0	-0.2	319.8	8.13	107.9	
04.22.2021	00:16:54	S	3406.85	W	639.33	12.1	4.6	2.6	49.3	65.0	0.0	-0.2	320.8	8.16	107.9	
04.22.2021	00:17:54	S	3406.85	W	639.11	10.1	4.6	2.1	51.7	64.5	-0.1	-0.3	320.2	8.13	107.9	
04.22.2021	00:18:54	S	3406.86	W	638.87	7.8	4.6	1.7	53.3	67.2	-0.2	-0.4	323.7	8.16	107.9	
04.22.2021	00:19:54	S	3406.86	W	638.62	8.0	4.6	1.7	51.4	65.1	0.0	-0.2	322.1	8.13	107.9	
04.22.2021	00:20:53	S	3406.87	W	638.41	10.2	4.6	2.1	50.5	65.2	-0.0	-0.3	321.4	8.16	107.9	
04.22.2021	00:21:53	S	3406.88	W	638.16	10.5	4.6	2.2	53.1	66.0	-0.0	-0.3	323.1	8.18	107.3	
04.22.2021	00:22:53	S	3406.88	W	637.94	9.3	4.6	2.0	52.4	64.7	0.0	-0.3	322.9	8.13	107.2	
04.22.2021	00:23:53	S	3406.89	W	637.7	11.1	4.6	2.4	50.1	65.2	0.0	-0.2	321.4	8.14	107.2	
04.22.2021	00:24:53	S	3406.89	W	637.45	10.5	4.6	2.2	53.9	65.8	0.0	-0.2	321.5	8.16	107.9	
04.22.2021	00:25:53	S	3406.89	W	637.23	8.1	4.6	1.7	53.4	67.3	-0.1	-0.3	319.5	8.14	107.6	
04.22.2021	00:26:53	S	3406.9	W	636.94	9.0	4.6	1.9	51.2	65.8	-0.1	-0.3	320.2	8.17	107.6	
04.22.2021	00:27:53	S	3406.91	W	636.76	9.3	4.6	2.0	47.2	66.1	-0.1	-0.3	317.6	8.16	107.9	
04.22.2021	00:28:53	S	3406.92	W	636.5	10.6	4.6	2.2	51.7	65.2	-0.1	-0.3	315.3	8.15	107.8	
04.22.2021	00:29:53	S	3406.93	W	636.25	9.8	4.6	2.1	53.1	64.5	-0.1	-0.3	316.3	8.16	107.9	
04.22.2021	00:30:57	S	3406.93	W	636	11.5	4.6	2.5	53.5	64.4	0.0	-0.3	318.1	8.13	107.9	
04.22.2021	00:31:57	S	3406.94	W	635.78	9.0	4.6	1.9	51.8	64.5	-0.0	-0.3	319.2	8.16	107.9	
04.22.2021	00:32:57	S	3406.94	W	635.53	12.0	4.6	2.6	57.0	64.2	-0.1	-0.4	316.9	8.14	107.9	
04.22.2021	00:33:57	S	3406.94	W	635.41	10.8	4.6	2.3	51.2	64.4	-0.1	-0.3	319.5	8.16	107.9	
04.22.2021	00:34:57	S	3406.94	W	635.41	9.3	4.7	2.0	52.3	59.5	-0.1	-0.4	321.5	8.16	107.0	
04.22.2021	00:35:57	S	3406.97	W	634.8	10.4	4.6	2.2	51.6	57.2	-0.1	-0.3	323.7	8.16	107.9	
04.22.2021	00:36:57	S	3406.98	W	634.56	10.8	4.5	2.4	51.8	58.0	-0.1	-0.3	321.6	8.16	107.9	
04.22.2021	00:37:57	S	3406.99	W	634.34	9.0	4.5	2.0	51.2	58.0	0.0	-0.2	322.2	8.13	107.9	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	00:38:57	S	3407	W	634.09	9.3	4.5	2.0	50.8	57.3	-0.0	-0.3	321.7	8.16	107.9	
04.22.2021	00:39:57	S	3407	W	633.85	11.6	4.6	2.5	52.4	60.0	0.0	-0.2	321.3	8.13	107.9	
04.22.2021	00:40:59	S	3407.01	W	633.6	11.2	4.6	2.4	50.4	59.4	-0.0	-0.3	321.7	8.16	107.9	
04.22.2021	00:41:59	S	3407.01	W	633.39	10.6	4.6	2.3	52.0	59.4	-0.0	-0.2	319.4	8.14	107.2	
04.22.2021	00:42:59	S	3407.02	W	633.15	11.5	4.6	2.5	53.1	59.1	-0.2	-0.4	317.0	8.18	107.2	
04.22.2021	00:43:59	S	3407.03	W	632.91	13.0	4.6	2.8	52.5	56.9	0.0	-0.3	317.8	8.14	107.2	
04.22.2021	00:44:59	S	3407.04	W	632.64	10.1	4.6	2.1	54.3	57.0	-0.0	-0.2	314.5	8.18	107.2	
04.22.2021	00:45:59	S	3407.04	W	632.42	11.5	4.6	2.5	48.9	57.5	-0.1	-0.3	316.2	8.16	107.2	
04.22.2021	00:46:59	S	3407.05	W	632.17	10.2	4.6	2.2	50.7	59.0	0.1	-0.2	314.5	8.13	107.2	
04.22.2021	00:47:59	S	3407.06	W	631.93	10.3	4.6	2.2	51.4	56.7	-0.0	-0.2	317.0	8.17	107.4	
04.22.2021	00:48:59	S	3407.07	W	631.72	11.7	4.6	2.5	49.4	56.3	-0.1	-0.3	319.3	8.13	107.6	
04.22.2021	00:49:59	S	3407.07	W	631.48	8.8	4.6	1.9	50.6	57.2	-0.1	-0.3	322.3	8.12	107.2	
04.22.2021	00:50:54	S	3407.08	W	631.2	8.2	4.6	1.7	51.6	57.3	-0.1	-0.3	322.3	8.16	107.0	
04.22.2021	00:51:54	S	3407.09	W	630.97	11.0	4.6	2.3	52.0	57.2	0.0	-0.2	322.9	8.14	107.2	
04.22.2021	00:52:54	S	3407.1	W	630.75	10.8	4.6	2.3	55.6	58.1	-0.1	-0.3	322.5	8.14	107.2	
04.22.2021	00:53:54	S	3407.12	W	630.5	13.6	4.6	2.9	51.4	58.9	-0.1	-0.3	322.6	8.14	107.2	
04.22.2021	00:54:54	S	3407.15	W	630.25	9.3	4.5	2.1	48.7	58.5	-0.1	-0.3	322.1	8.14	107.2	
04.22.2021	00:55:54	S	3407.17	W	630.02	9.5	4.5	2.1	50.2	58.5	0.0	-0.2	319.7	8.14	107.2	
04.22.2021	00:56:54	S	3407.19	W	629.8	10.8	4.6	2.3	55.8	58.5	-0.1	-0.3	321.9	8.14	107.2	
04.22.2021	00:57:54	S	3407.21	W	629.53	9.3	4.6	2.0	50.4	57.8	-0.0	-0.2	318.0	8.18	107.2	
04.22.2021	00:58:54	S	3407.22	W	629.29	8.5	4.7	1.8	55.1	57.8	-0.0	-0.2	320.1	8.14	107.2	
04.22.2021	00:59:54	S	3407.24	W	629.08	9.2	4.6	1.9	52.8	63.9	-0.1	-0.3	312.6	8.14	107.2	
04.22.2021	01:01:00	S	3407.26	W	628.85	10.9	4.6	2.3	55.2	67.3	-0.1	-0.3	319.2	8.14	107.2	
04.22.2021	01:02:00	S	3407.28	W	628.59	10.6	4.6	2.3	53.1	67.6	-0.0	-0.3	313.7	8.18	107.2	
04.22.2021	01:03:00	S	3407.29	W	628.34	8.4	4.6	1.8	52.0	63.8	-0.1	-0.3	316.5	8.18	107.2	
04.22.2021	01:04:00	S	3407.3	W	628.13	7.6	4.6	1.6	51.3	63.4	-0.1	-0.3	316.6	8.18	107.2	
04.22.2021	01:05:00	S	3407.32	W	627.89	9.3	4.7	2.0	49.4	64.3	-0.1	-0.3	321.1	8.18	107.2	
04.22.2021	01:06:00	S	3407.34	W	627.63	10.5	4.6	2.2	55.1	63.8	-0.1	-0.3	322.0	8.18	107.2	
04.22.2021	01:07:00	S	3407.36	W	627.4	10.7	4.6	2.2	53.4	64.8	-0.1	-0.3	321.6	8.14	107.2	
04.22.2021	01:08:00	S	3407.38	W	627.2	11.0	4.6	2.3	51.8	65.2	-0.1	-0.3	320.8	8.14	107.2	
04.22.2021	01:09:00	S	3407.4	W	626.94	11.0	4.6	2.3	49.7	64.3	-0.1	-0.3	322.0	8.14	107.2	
04.22.2021	01:10:00	S	3407.42	W	626.69	10.3	4.6	2.2	51.8	64.1	-0.1	-0.3	322.8	8.14	107.2	
04.22.2021	01:10:53	S	3407.44	W	626.48	8.6	4.6	1.8	52.1	64.3	-0.1	-0.3	321.3	8.16	107.2	
04.22.2021	01:11:53	S	3407.46	W	626.22	8.6	4.6	1.8	53.3	67.4	-0.1	-0.3	320.6	8.14	107.2	
04.22.2021	01:12:53	S	3407.48	W	626.01	10.6	4.6	2.2	50.8	64.5	0.0	-0.2	320.7	8.14	107.2	
04.22.2021	01:13:53	S	3407.51	W	625.75	9.6	4.6	2.0	48.6	64.0	-0.1	-0.3	320.0	8.16	107.2	
04.22.2021	01:14:53	S	3407.53	W	625.54	9.0	4.6	1.9	54.6	64.0	-0.1	-0.3	318.6	8.16	107.2	
04.22.2021	01:15:53	S	3407.55	W	625.32	9.3	4.6	2.0	51.8	64.6	0.0	-0.2	317.0	8.16	107.4	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	01:16:53	S	3407.57	W	625.09	7.4	4.6	1.6	53.1	57.3	0.0	-0.2	317.5	8.12	107.2	
04.22.2021	01:17:53	S	3407.59	W	624.84	10.2	4.5	2.2	54.4	56.8	-0.1	-0.3	314.9	8.12	107.2	
04.22.2021	01:18:53	S	3407.6	W	624.59	10.0	4.6	2.1	51.0	56.5	-0.1	-0.3	314.9	8.15	106.7	
04.22.2021	01:19:53	S	3407.62	W	624.34	11.0	4.6	2.3	51.5	61.0	-0.1	-0.3	313.8	8.14	107.2	
04.22.2021	01:20:59	S	3407.63	W	624.13	9.8	4.6	2.1	49.7	57.2	0.0	-0.2	322.4	8.14	107.2	
04.22.2021	01:21:59	S	3407.64	W	623.87	12.7	4.6	2.7	54.7	57.8	-0.0	-0.2	320.7	8.14	107.2	
04.22.2021	01:22:59	S	3407.65	W	623.65	9.2	4.6	1.9	51.9	58.5	-0.1	-0.3	321.4	8.14	107.2	
04.22.2021	01:23:59	S	3407.66	W	623.41	10.2	4.6	2.2	50.6	57.7	-0.0	-0.2	322.7	8.14	107.2	
04.22.2021	01:24:59	S	3407.67	W	623.19	11.2	4.6	2.4	47.9	57.3	-0.1	-0.3	322.4	8.15	107.4	
04.22.2021	01:25:59	S	3407.68	W	622.96	11.2	4.6	2.4	51.1	58.0	0.0	-0.2	322.1	8.14	107.2	
04.22.2021	01:26:59	S	3407.7	W	622.72	9.5	4.6	2.0	52.0	57.1	-0.1	-0.4	320.9	8.14	107.2	
04.22.2021	01:27:59	S	3407.71	W	622.49	9.3	4.6	2.0	50.5	56.8	-0.1	-0.3	319.6	8.14	107.2	
04.22.2021	01:28:59	S	3407.73	W	622.23	9.5	4.6	2.0	50.5	57.0	-0.1	-0.3	321.0	8.18	107.2	
04.22.2021	01:29:59	S	3407.74	W	621.99	10.0	4.6	2.1	51.2	56.8	-0.0	-0.3	319.6	8.18	107.2	
04.22.2021	01:30:55	S	3407.76	W	621.78	10.5	4.6	2.2	53.8	57.3	0.1	-0.1	319.9	8.18	107.2	
04.22.2021	01:31:55	S	3407.77	W	621.51	9.9	4.6	2.1	54.1	57.1	0.0	-0.1	315.0	8.13	107.9	
04.22.2021	01:32:55	S	3407.78	W	621.32	9.6	4.6	2.0	53.4	56.9	-0.1	-0.4	316.9	8.13	107.0	
04.22.2021	01:33:55	S	3407.79	W	621.1	8.3	4.6	1.8	53.3	59.1	-0.1	-0.4	312.6	8.12	107.5	
04.22.2021	01:34:55	S	3407.81	W	620.83	8.5	4.6	1.8	51.2	59.0	0.1	-0.1	315.0	8.15	107.6	
04.22.2021	01:35:55	S	3407.82	W	620.62	10.0	4.6	2.1	51.2	57.0	-0.1	-0.3	316.9	8.17	107.9	
04.22.2021	01:36:55	S	3407.83	W	620.37	6.9	4.6	1.5	53.8	58.1	-0.0	-0.2	318.4	8.17	107.9	
04.22.2021	01:37:55	S	3407.84	W	620.14	7.7	4.7	1.6	51.5	57.0	0.1	-0.1	321.7	8.16	107.0	
04.22.2021	01:38:55	S	3407.85	W	619.95	10.7	4.6	2.3	52.5	59.3	-0.2	-0.4	322.1	8.17	107.9	
04.22.2021	01:39:55	S	3407.86	W	619.67	10.2	4.6	2.2	52.7	57.8	0.0	-0.1	322.8	8.17	107.9	
04.22.2021	01:40:56	S	3407.87	W	619.49	10.9	4.6	2.3	52.2	66.0	0.0	-0.2	323.7	8.12	107.4	
04.22.2021	01:41:56	S	3407.89	W	619.23	11.8	4.6	2.6	52.7	65.2	-0.1	-0.4	322.7	8.13	107.0	
04.22.2021	01:42:56	S	3407.9	W	619	9.0	4.6	1.9	57.5	67.4	0.0	-0.1	320.6	8.17	107.9	
04.22.2021	01:43:56	S	3407.92	W	618.78	9.9	4.6	2.1	51.5	66.3	-0.1	-0.4	321.2	8.17	107.6	
04.22.2021	01:44:56	S	3407.94	W	618.56	11.9	4.5	2.6	48.1	64.2	-0.1	-0.4	319.5	8.13	107.9	
04.22.2021	01:45:56	S	3407.94	W	618.33	8.3	4.6	1.8	55.9	66.2	-0.1	-0.4	321.8	8.17	107.9	
04.22.2021	01:46:56	S	3407.95	W	618.1	8.3	4.6	1.8	50.5	65.1	-0.1	-0.4	316.9	8.17	107.9	
04.22.2021	01:47:56	S	3407.96	W	617.86	12.3	4.6	2.7	50.8	64.6	0.0	-0.2	318.0	8.13	107.9	
04.22.2021	01:48:56	S	3407.97	W	617.63	9.5	4.6	2.0	53.1	64.4	0.0	-0.3	314.4	8.12	107.5	
04.22.2021	01:49:56	S	3407.99	W	617.39	10.0	4.5	2.2	50.5	64.5	-0.0	-0.3	316.4	8.17	107.0	
04.22.2021	01:50:52	S	3408	W	617.15	9.6	4.6	2.0	54.0	63.5	-0.1	-0.4	317.2	8.17	107.6	
04.22.2021	01:51:52	S	3408.01	W	616.93	10.1	4.6	2.1	53.1	64.4	-0.1	-0.3	316.2	8.17	107.9	
04.22.2021	01:52:52	S	3408.02	W	616.7	10.0	4.6	2.1	51.8	63.0	-0.2	-0.4	317.9	8.17	107.6	
04.22.2021	01:53:52	S	3408.03	W	616.48	8.8	4.6	1.9	53.8	64.1	-0.1	-0.3	322.3	8.16	107.2	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	01:54:52	S	3408.04	W	616.23	9.9	4.6	2.1	51.1	64.0	-0.1	-0.3	322.6	8.16	107.6
04.22.2021	01:55:52	S	3408.06	W	616	10.2	4.6	2.2	53.3	64.0	-0.1	-0.3	323.0	8.16	107.9
04.22.2021	01:56:52	S	3408.07	W	615.74	7.2	4.5	1.6	48.7	63.6	-0.1	-0.3	322.5	8.18	107.2
04.22.2021	01:57:52	S	3408.08	W	615.53	9.4	4.6	2.0	52.2	64.1	0.1	-0.2	322.1	8.15	107.2
04.22.2021	01:58:52	S	3408.1	W	615.31	10.0	4.6	2.1	52.4	65.0	-0.1	-0.4	322.8	8.13	107.6
04.22.2021	01:59:52	S	3408.11	W	615.05	10.0	4.6	2.1	54.4	63.8	-0.0	-0.3	319.9	8.15	107.8
04.22.2021	02:00:59	S	3408.12	W	614.86	6.7	4.6	1.4	53.1	64.1	-0.1	-0.3	320.0	8.13	107.9
04.22.2021	02:01:59	S	3408.13	W	614.58	8.5	4.6	1.8	52.5	57.7	-0.1	-0.3	318.3	8.13	107.9
04.22.2021	02:02:59	S	3408.14	W	614.35	8.6	4.5	1.9	55.3	57.6	-0.1	-0.3	317.7	8.16	107.9
04.22.2021	02:03:59	S	3408.14	W	614.15	9.0	4.6	1.9	54.2	57.2	-0.2	-0.4	318.6	8.15	107.6
04.22.2021	02:04:59	S	3408.14	W	613.9	7.9	4.6	1.7	53.7	58.3	0.0	-0.2	317.8	8.13	107.9
04.22.2021	02:05:59	S	3408.15	W	613.66	9.5	4.6	2.0	55.4	58.3	-0.1	-0.3	316.7	8.12	107.5
04.22.2021	02:06:59	S	3408.15	W	613.4	7.0	4.5	1.5	49.6	58.3	0.0	-0.2	316.6	8.13	107.0
04.22.2021	02:07:59	S	3408.15	W	613.2	7.4	4.5	1.6	52.6	58.5	-0.0	-0.3	320.1	8.16	107.8
04.22.2021	02:08:59	S	3408.16	W	612.92	8.6	4.6	1.8	54.0	59.2	0.1	-0.2	320.7	8.16	107.8
04.22.2021	02:09:59	S	3408.16	W	612.69	10.0	4.5	2.2	51.6	58.8	-0.0	-0.2	321.9	8.16	107.9
04.22.2021	02:10:52	S	3408.17	W	612.5	11.0	4.5	2.4	53.9	61.3	-0.1	-0.3	323.4	8.14	107.6
04.22.2021	02:11:52	S	3408.18	W	612.22	9.8	4.6	2.1	54.9	61.3	-0.1	-0.3	321.8	8.16	107.9
04.22.2021	02:12:52	S	3408.18	W	612.01	9.6	4.5	2.1	50.7	61.0	-0.1	-0.3	322.2	8.16	107.9
04.22.2021	02:13:52	S	3408.18	W	611.78	10.6	4.6	2.3	50.7	61.4	-0.0	-0.2	321.7	8.16	107.9
04.22.2021	02:14:52	S	3408.18	W	611.56	8.0	4.6	1.7	57.0	59.8	-0.1	-0.3	322.2	8.16	107.9
04.22.2021	02:15:52	S	3408.2	W	611.29	10.2	4.6	2.1	49.8	59.1	0.0	-0.2	320.2	8.13	107.9
04.22.2021	02:16:52	S	3408.21	W	611.07	10.3	4.5	2.2	49.7	58.4	0.0	-0.2	319.7	8.13	107.9
04.22.2021	02:17:52	S	3408.22	W	610.83	11.5	4.5	2.5	51.2	59.7	-0.1	-0.3	317.9	8.13	107.9
04.22.2021	02:18:52	S	3408.22	W	610.6	9.1	4.6	1.9	52.5	58.5	0.0	-0.3	316.6	8.13	107.9
04.22.2021	02:19:52	S	3408.23	W	610.36	8.3	4.6	1.8	55.6	59.5	0.0	-0.2	316.4	8.17	107.9
04.22.2021	02:20:57	S	3408.24	W	610.13	10.0	4.6	2.1	53.7	58.4	0.0	-0.2	315.7	8.13	107.9
04.22.2021	02:21:57	S	3408.25	W	609.89	10.4	4.6	2.2	54.2	57.7	-0.0	-0.3	314.6	8.13	107.9
04.22.2021	02:22:57	S	3408.24	W	609.66	11.3	4.6	2.4	52.0	58.0	0.0	-0.3	315.8	8.16	107.9
04.22.2021	02:23:57	S	3408.24	W	609.53	11.2	4.6	2.4	48.0	58.2	-0.0	-0.3	319.7	8.17	107.9
04.22.2021	02:24:57	S	3408.24	W	609.53	10.5	4.6	2.2	49.0	58.7	-0.0	-0.2	316.2	8.16	107.9
04.22.2021	02:25:57	S	3408.23	W	608.94	10.7	4.6	2.3	52.7	58.6	-0.1	-0.3	320.8	8.13	107.9
04.22.2021	02:26:57	S	3408.23	W	608.94	10.4	4.6	2.2	50.7	65.0	0.0	-0.2	322.3	8.13	107.9
04.22.2021	02:27:57	S	3408.24	W	608.49	11.1	4.6	2.4	52.3	65.7	-0.1	-0.3	322.4	8.17	107.9
04.22.2021	02:28:57	S	3408.24	W	608.24	10.8	4.5	2.4	53.7	65.8	0.0	-0.2	322.1	8.17	107.9
04.22.2021	02:29:57	S	3408.24	W	608.04	9.0	4.5	2.0	50.1	65.4	-0.1	-0.3	320.9	8.13	107.9
04.22.2021	02:30:57	S	3408.24	W	607.77	8.8	4.6	1.9	49.4	65.4	-0.1	-0.3	323.0	8.17	107.9
04.22.2021	02:31:57	S	3408.25	W	607.56	9.0	4.6	1.9	49.9	65.4	-0.1	-0.3	317.9	8.17	107.9

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	02:32:57	S	3408.24	W	607.33	11.4	4.6	2.5	49.7	66.4	0.0	-0.3	320.4	8.14	107.6
04.22.2021	02:33:57	S	3408.25	W	607.07	7.7	4.6	1.6	52.7	66.5	-0.0	-0.2	318.1	8.17	107.9
04.22.2021	02:34:57	S	3408.25	W	606.87	9.4	4.6	2.0	53.0	66.1	-0.0	-0.3	319.6	8.17	107.9
04.22.2021	02:35:57	S	3408.25	W	606.63	9.6	4.6	2.0	51.4	65.7	-0.1	-0.3	312.9	8.14	107.6
04.22.2021	02:36:57	S	3408.24	W	606.38	8.5	4.5	1.9	55.3	66.8	-0.0	-0.3	318.3	8.17	107.9
04.22.2021	02:37:57	S	3408.24	W	606.16	8.1	4.6	1.7	53.5	66.0	-0.0	-0.3	314.2	8.13	107.9
04.22.2021	02:38:57	S	3408.24	W	605.93	11.5	4.6	2.5	54.6	65.5	-0.0	-0.3	316.3	8.17	107.9
04.22.2021	02:39:57	S	3408.25	W	605.7	9.9	4.6	2.1	53.2	67.0	-0.1	-0.3	317.3	8.17	107.9
04.22.2021	02:40:55	S	3408.26	W	605.47	13.2	4.6	2.8	52.7	67.5	-0.1	-0.2	320.4	8.14	107.6
04.22.2021	02:41:55	S	3408.27	W	605.21	10.6	4.5	2.3	49.2	66.4	0.0	-0.2	321.2	8.14	107.6
04.22.2021	02:42:55	S	3408.27	W	605.02	8.7	4.5	1.9	54.3	64.8	-0.1	-0.3	322.0	8.17	107.9
04.22.2021	02:43:55	S	3408.27	W	604.77	9.5	4.6	2.0	52.1	64.7	0.0	-0.2	322.2	8.17	107.9
04.22.2021	02:44:55	S	3408.27	W	604.52	11.0	4.6	2.3	56.7	64.9	0.0	-0.2	322.5	8.15	107.9
04.22.2021	02:45:55	S	3408.28	W	604.28	9.0	4.7	1.9	56.8	57.6	0.0	-0.2	321.8	8.13	107.9
04.22.2021	02:46:55	S	3408.29	W	604.09	13.0	4.6	2.8	52.4	57.7	-0.0	-0.3	321.8	8.15	107.9
04.22.2021	02:47:55	S	3408.31	W	603.84	9.5	4.5	2.1	53.1	58.1	0.0	-0.3	322.7	8.15	107.9
04.22.2021	02:48:55	S	3408.33	W	603.63	9.7	4.5	2.1	52.3	57.7	-0.0	-0.3	322.1	8.16	107.6
04.22.2021	02:49:55	S	3408.34	W	603.42	6.6	4.6	1.4	50.5	58.7	-0.1	-0.3	320.9	8.13	107.9
04.22.2021	02:50:58	S	3408.36	W	603.18	11.4	4.6	2.5	52.9	59.6	-0.0	-0.2	319.1	8.13	107.9
04.22.2021	02:51:58	S	3408.37	W	602.97	10.3	4.6	2.2	51.9	58.1	-0.0	-0.3	317.8	8.13	107.9
04.22.2021	02:52:58	S	3408.38	W	602.71	12.0	4.6	2.6	54.0	57.8	-0.1	-0.3	314.8	8.15	107.9
04.22.2021	02:53:58	S	3408.39	W	602.47	9.9	4.6	2.1	54.5	58.5	0.0	-0.2	315.7	8.13	107.9
04.22.2021	02:54:58	S	3408.41	W	602.25	10.0	4.6	2.1	50.9	59.3	-0.1	-0.3	320.2	8.15	107.9
04.22.2021	02:55:58	S	3408.42	W	602.02	10.6	4.5	2.3	52.4	58.7	0.0	-0.2	316.9	8.13	107.9
04.22.2021	02:56:58	S	3408.44	W	601.77	11.0	4.6	2.3	52.0	57.9	-0.1	-0.3	320.4	8.13	107.9
04.22.2021	02:57:58	S	3408.45	W	601.56	10.7	4.5	2.3	53.9	58.3	0.0	-0.2	322.9	8.13	107.9
04.22.2021	02:58:58	S	3408.46	W	601.34	10.2	4.6	2.1	50.7	58.4	0.0	-0.3	321.9	8.13	107.9
04.22.2021	02:59:58	S	3408.47	W	601.07	9.2	4.6	1.9	52.8	58.7	-0.1	-0.3	322.3	8.13	107.9
04.22.2021	03:00:54	S	3408.49	W	600.83	12.0	4.5	2.6	50.4	57.8	-0.1	-0.3	321.4	8.13	107.9
04.22.2021	03:01:54	S	3408.5	W	600.62	10.0	4.5	2.2	53.1	57.6	-0.0	-0.3	323.9	8.16	107.6
04.22.2021	03:02:54	S	3408.52	W	600.37	8.0	4.6	1.7	54.6	57.8	-0.0	-0.3	321.5	8.13	107.9
04.22.2021	03:03:54	S	3408.53	W	600.13	10.1	4.6	2.1	48.3	56.8	0.0	-0.2	321.6	8.16	107.6
04.22.2021	03:04:54	S	3408.54	W	559.94	9.5	4.5	2.1	52.9	57.2	-0.1	-0.3	318.6	8.16	107.6
04.22.2021	03:05:54	S	3408.56	W	559.69	8.1	4.5	1.7	55.4	57.2	-0.1	-0.3	318.8	8.18	108.0
04.22.2021	03:06:54	S	3408.57	W	559.43	9.5	4.6	2.0	51.3	56.7	-0.0	-0.3	316.8	8.14	107.6
04.22.2021	03:07:54	S	3408.58	W	559.22	10.4	4.6	2.2	50.5	56.7	-0.1	-0.3	314.9	8.18	108.0
04.22.2021	03:08:54	S	3408.59	W	559	13.0	4.6	2.8	51.1	56.9	-0.1	-0.3	313.5	8.13	107.9
04.22.2021	03:09:54	S	3408.6	W	558.75	11.3	4.6	2.4	54.2	56.5	-0.1	-0.3	317.4	8.13	107.9

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	03:10:55	S	3408.62	W	558.53	9.8	4.6	2.1	54.3	63.9	-0.0	-0.2	315.6	8.16	107.6	
04.22.2021	03:11:55	S	3408.63	W	558.27	11.3	4.5	2.5	52.2	63.8	-0.1	-0.3	317.7	8.15	107.9	
04.22.2021	03:12:55	S	3408.65	W	558.01	12.1	4.6	2.6	50.2	63.4	-0.1	-0.3	317.8	8.14	107.9	
04.22.2021	03:13:55	S	3408.66	W	557.8	12.0	4.6	2.6	51.6	63.6	-0.1	-0.3	322.1	8.13	107.9	
04.22.2021	03:14:55	S	3408.68	W	557.55	11.0	4.5	2.4	52.4	63.9	-0.1	-0.3	322.3	8.18	108.2	
04.22.2021	03:15:55	S	3408.69	W	557.35	8.1	4.5	1.7	51.5	64.1	-0.1	-0.3	321.8	8.13	107.9	
04.22.2021	03:16:55	S	3408.7	W	557.09	10.0	4.6	2.1	54.9	64.5	0.0	-0.1	322.0	8.13	107.9	
04.22.2021	03:17:55	S	3408.71	W	556.85	12.4	4.6	2.7	56.0	65.5	-0.0	-0.2	322.4	8.13	107.9	
04.22.2021	03:18:55	S	3408.72	W	556.63	9.9	4.6	2.1	53.8	65.6	-0.0	-0.3	320.9	8.13	107.9	
04.22.2021	03:19:55	S	3408.74	W	556.37	9.0	4.6	1.9	51.5	65.8	-0.1	-0.3	320.9	8.16	107.9	
04.22.2021	03:21:00	S	3408.76	W	556.12	9.1	4.5	2.0	48.8	64.7	-0.0	-0.2	320.2	8.17	107.7	
04.22.2021	03:22:00	S	3408.77	W	555.9	11.5	4.5	2.5	55.4	66.0	0.0	-0.2	319.8	8.13	108.0	
04.22.2021	03:23:00	S	3408.78	W	555.67	9.8	4.6	2.1	48.7	64.7	-0.1	-0.3	314.0	8.16	107.6	
04.22.2021	03:24:00	S	3408.79	W	555.43	9.2	4.6	1.9	53.5	65.0	-0.0	-0.3	317.0	8.18	108.0	
04.22.2021	03:25:00	S	3408.81	W	555.18	10.8	4.6	2.3	53.7	64.5	-0.1	-0.3	312.7	8.13	108.0	
04.22.2021	03:26:00	S	3408.82	W	554.95	10.0	4.6	2.1	52.1	65.0	0.0	-0.2	317.4	8.18	108.0	
04.22.2021	03:27:00	S	3408.84	W	554.72	9.6	4.6	2.0	53.6	63.6	-0.0	-0.2	319.0	8.17	108.2	
04.22.2021	03:28:00	S	3408.85	W	554.47	10.3	4.6	2.2	57.5	64.0	0.0	-0.2	319.7	8.16	107.6	
04.22.2021	03:29:00	S	3408.86	W	554.23	9.4	4.6	2.0	51.3	63.7	0.0	-0.2	321.5	8.18	107.9	
04.22.2021	03:30:00	S	3408.88	W	554.01	10.4	4.6	2.2	54.3	64.0	0.0	-0.2	323.3	8.18	107.9	
04.22.2021	03:30:55	S	3408.89	W	553.78	11.3	4.5	2.5	52.3	58.1	-0.0	-0.3	323.5	8.14	108.0	
04.22.2021	03:31:55	S	3408.91	W	553.55	10.4	4.6	2.2	54.6	57.7	-0.0	-0.3	323.4	8.16	108.0	
04.22.2021	03:32:55	S	3408.91	W	553.3	9.0	4.6	1.9	54.8	57.9	-0.1	-0.3	322.1	8.17	108.2	
04.22.2021	03:33:55	S	3408.92	W	553.17	10.7	4.6	2.2	57.0	57.4	0.0	-0.3	323.5	8.15	108.1	
04.22.2021	03:34:55	S	3408.92	W	553.17	9.8	4.6	2.1	53.1	57.1	-0.0	-0.3	322.4	8.17	108.0	
04.22.2021	03:35:55	S	3408.96	W	552.61	10.5	4.6	2.3	52.0	57.3	-0.1	-0.3	321.0	8.14	108.2	
04.22.2021	03:36:55	S	3408.97	W	552.4	10.0	4.6	2.1	56.8	59.0	0.0	-0.2	319.1	8.16	108.5	
04.22.2021	03:37:55	S	3408.99	W	552.13	11.6	4.6	2.5	59.4	57.9	-0.0	-0.2	317.2	8.17	108.7	
04.22.2021	03:38:55	S	3409	W	551.91	9.0	4.6	1.9	53.9	58.6	-0.1	-0.3	318.3	8.18	107.9	
04.22.2021	03:39:55	S	3409.02	W	551.68	8.5	4.6	1.8	53.0	57.0	-0.1	-0.3	316.7	8.15	107.9	
04.22.2021	03:40:58	S	3409.04	W	551.48	10.4	4.6	2.2	53.2	57.1	-0.1	-0.3	316.0	8.13	107.9	
04.22.2021	03:41:58	S	3409.06	W	551.22	8.7	4.5	1.9	49.7	57.4	0.0	-0.2	317.9	8.14	108.2	
04.22.2021	03:42:58	S	3409.07	W	550.97	10.1	4.5	2.2	46.4	56.6	0.0	-0.3	315.2	8.13	107.9	
04.22.2021	03:43:58	S	3409.07	W	550.73	11.0	4.6	2.3	52.1	57.0	-0.1	-0.3	320.1	8.13	107.9	
04.22.2021	03:44:58	S	3409.07	W	550.51	10.6	4.6	2.3	54.3	59.7	0.0	-0.3	319.8	8.15	107.9	
04.22.2021	03:45:58	S	3409.07	W	550.29	9.9	4.6	2.1	54.1	58.3	0.0	-0.2	322.6	8.14	108.2	
04.22.2021	03:46:58	S	3409.07	W	550.06	13.0	4.6	2.8	57.5	57.8	-0.1	-0.3	321.8	8.16	108.3	
04.22.2021	03:47:58	S	3409.08	W	549.83	10.3	4.6	2.2	55.8	59.1	0.0	-0.2	323.4	8.13	107.9	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	03:48:58	S	3409.09	W	549.61	8.6	4.6	1.8	54.4	61.1	-0.1	-0.3	321.4	8.14	108.2	
04.22.2021	03:49:58	S	3409.1	W	549.37	10.3	4.6	2.2	53.9	60.0	-0.0	-0.3	321.5	8.13	108.7	
04.22.2021	03:50:55	S	3409.1	W	549.1	9.3	4.6	2.0	53.0	60.0	-0.1	-0.4	321.2	8.14	108.0	
04.22.2021	03:51:55	S	3409.11	W	548.91	9.1	4.5	2.0	52.1	59.5	-0.1	-0.3	321.0	8.14	108.2	
04.22.2021	03:52:55	S	3409.1	W	548.67	12.6	4.6	2.7	53.7	57.3	0.0	-0.2	319.5	8.15	108.0	
04.22.2021	03:53:55	S	3409.1	W	548.43	9.3	4.6	2.0	58.4	58.3	-0.1	-0.3	319.1	8.17	108.0	
04.22.2021	03:54:55	S	3409.1	W	548.22	9.8	4.6	2.1	54.6	57.8	0.0	-0.3	316.6	8.14	108.0	
04.22.2021	03:55:55	S	3409.1	W	548	14.0	4.6	3.0	52.8	64.7	-0.1	-0.3	313.7	8.18	108.0	
04.22.2021	03:56:55	S	3409.11	W	547.74	13.1	4.6	2.8	56.3	64.5	-0.1	-0.3	316.1	8.16	108.2	
04.22.2021	03:57:55	S	3409.12	W	547.52	11.6	4.6	2.5	53.0	63.2	-0.1	-0.3	318.4	8.17	108.2	
04.22.2021	03:58:55	S	3409.13	W	547.31	8.2	4.6	1.7	53.6	64.3	-0.1	-0.3	319.1	8.14	108.2	
04.22.2021	03:59:55	S	3409.14	W	547.04	9.2	4.6	1.9	53.9	64.2	-0.1	-0.3	316.3	8.15	107.7	
04.22.2021	04:00:57	S	3409.14	W	546.83	10.4	4.5	2.3	52.4	64.6	-0.1	-0.3	321.0	8.15	107.9	
04.22.2021	04:01:57	S	3409.14	W	546.58	10.1	4.6	2.1	57.0	64.7	-0.1	-0.3	322.1	8.15	107.9	
04.22.2021	04:02:57	S	3409.15	W	546.33	10.6	4.6	2.2	53.6	64.5	-0.0	-0.2	321.7	8.18	108.1	
04.22.2021	04:03:57	S	3409.16	W	546.1	11.5	4.5	2.5	50.8	64.6	-0.1	-0.2	321.3	8.15	107.9	
04.22.2021	04:04:57	S	3409.16	W	545.87	9.6	4.6	2.0	49.2	64.9	-0.0	-0.3	323.0	8.13	107.9	
04.22.2021	04:05:57	S	3409.16	W	545.64	9.0	4.5	2.0	51.7	67.7	0.0	-0.3	321.4	8.16	107.6	
04.22.2021	04:06:57	S	3409.16	W	545.44	11.8	4.6	2.5	48.1	64.6	-0.0	-0.3	322.5	8.13	108.4	
04.22.2021	04:07:57	S	3409.16	W	545.19	9.0	4.6	1.9	46.6	64.3	0.0	-0.2	318.1	8.13	107.9	
04.22.2021	04:08:57	S	3409.16	W	544.96	8.5	4.6	1.8	53.7	65.2	0.0	-0.2	322.1	8.13	108.7	
04.22.2021	04:09:57	S	3409.16	W	544.74	11.2	4.6	2.4	52.1	65.1	-0.0	-0.2	317.5	8.17	108.1	
04.22.2021	04:10:54	S	3409.16	W	544.47	9.4	4.6	2.0	52.5	65.5	0.0	-0.2	318.3	8.14	108.3	
04.22.2021	04:11:54	S	3409.17	W	544.26	8.9	4.6	1.9	54.5	65.5	-0.0	-0.2	313.9	8.13	108.4	
04.22.2021	04:12:54	S	3409.17	W	544.02	8.0	4.6	1.7	52.8	65.7	-0.0	-0.3	319.0	8.15	108.1	
04.22.2021	04:13:54	S	3409.18	W	543.81	10.0	4.6	2.1	52.2	64.4	0.0	-0.2	318.4	8.12	108.1	
04.22.2021	04:14:54	S	3409.19	W	543.55	9.0	4.6	1.9	52.1	60.0	-0.1	-0.3	316.7	8.13	108.4	
04.22.2021	04:15:54	S	3409.19	W	543.34	10.5	4.5	2.3	52.6	57.4	-0.1	-0.3	319.8	8.18	107.9	
04.22.2021	04:16:54	S	3409.19	W	543.12	10.7	4.6	2.2	50.8	57.5	-0.1	-0.3	322.1	8.14	108.0	
04.22.2021	04:17:54	S	3409.19	W	542.88	11.0	4.6	2.3	59.4	58.3	-0.0	-0.3	321.3	8.17	108.0	
04.22.2021	04:18:54	S	3409.2	W	542.64	10.5	4.6	2.2	58.2	58.4	-0.1	-0.3	323.0	8.17	108.0	
04.22.2021	04:19:54	S	3409.21	W	542.42	11.3	4.6	2.4	59.7	58.5	-0.1	-0.4	321.6	8.16	108.0	
04.22.2021	04:20:55	S	3409.22	W	542.17	9.4	4.5	2.1	50.7	58.3	0.1	-0.2	322.5	8.13	108.4	
04.22.2021	04:21:55	S	3409.23	W	541.96	10.3	4.6	2.2	51.8	57.9	0.0	-0.2	322.0	8.13	107.9	
04.22.2021	04:22:55	S	3409.23	W	541.74	9.4	4.6	2.0	49.4	61.7	-0.0	-0.2	321.1	8.14	108.2	
04.22.2021	04:23:55	S	3409.24	W	541.51	11.6	4.5	2.5	49.4	60.4	-0.1	-0.3	322.1	8.17	107.7	
04.22.2021	04:24:55	S	3409.24	W	541.25	10.9	4.6	2.3	57.2	61.2	-0.1	-0.3	319.7	8.15	108.3	
04.22.2021	04:25:55	S	3409.24	W	540.99	10.9	4.6	2.3	54.9	61.7	-0.0	-0.2	319.8	8.16	107.6	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	04:26:55	S	3409.25	W	540.75	8.1	4.6	1.7	56.1	59.2	-0.1	-0.3	318.0	8.15	108.0
04.22.2021	04:27:55	S	3409.26	W	540.53	10.8	4.6	2.3	50.0	58.5	-0.0	-0.3	316.1	8.13	107.9
04.22.2021	04:28:55	S	3409.26	W	540.31	8.0	4.5	1.8	53.7	58.0	-0.1	-0.3	315.5	8.16	108.2
04.22.2021	04:29:55	S	3409.27	W	540.04	9.3	4.6	2.0	52.8	58.0	-0.0	-0.3	315.1	8.17	107.9
04.22.2021	04:30:57	S	3409.27	W	539.84	11.2	4.6	2.4	50.5	57.9	-0.1	-0.4	316.0	8.16	107.6
04.22.2021	04:31:57	S	3409.28	W	539.57	10.4	4.6	2.2	52.5	57.6	-0.1	-0.3	320.4	8.18	107.9
04.22.2021	04:32:57	S	3409.28	W	539.35	11.5	4.6	2.5	50.2	56.9	-0.1	-0.3	321.7	8.14	107.6
04.22.2021	04:33:57	S	3409.29	W	539.11	9.4	4.6	2.0	46.0	57.1	-0.1	-0.3	322.7	8.16	107.6
04.22.2021	04:34:57	S	3409.29	W	538.89	9.0	4.6	1.9	53.8	57.4	-0.1	-0.4	322.5	8.17	107.9
04.22.2021	04:35:57	S	3409.3	W	538.63	8.0	4.6	1.7	50.1	57.5	0.0	-0.2	322.7	8.13	108.7
04.22.2021	04:36:57	S	3409.31	W	538.38	10.0	4.6	2.1	53.2	57.5	0.0	-0.2	321.5	8.18	108.7
04.22.2021	04:37:57	S	3409.31	W	538.17	9.4	4.6	2.0	51.7	57.1	-0.1	-0.3	322.0	8.13	108.7
04.22.2021	04:38:57	S	3409.32	W	537.9	10.4	4.6	2.2	52.6	57.6	0.0	-0.3	321.2	8.17	108.7
04.22.2021	04:39:57	S	3409.32	W	537.69	10.1	4.6	2.1	54.6	64.2	0.0	-0.2	317.4	8.17	108.7
04.22.2021	04:40:53	S	3409.32	W	537.43	10.9	4.6	2.3	53.9	64.0	0.0	-0.2	320.9	8.16	108.7
04.22.2021	04:41:53	S	3409.32	W	537.21	8.8	4.6	1.9	50.3	63.9	-0.1	-0.3	317.5	8.12	108.1
04.22.2021	04:42:53	S	3409.32	W	536.96	8.1	4.6	1.7	51.8	63.5	-0.1	-0.3	316.5	8.13	108.7
04.22.2021	04:43:53	S	3409.33	W	536.73	11.1	4.6	2.4	61.6	63.6	-0.1	-0.3	314.8	8.16	108.7
04.22.2021	04:44:53	S	3409.34	W	536.5	12.1	4.6	2.6	57.1	63.6	-0.0	-0.3	313.9	8.13	108.7
04.22.2021	04:45:53	S	3409.35	W	536.29	11.9	4.6	2.6	52.7	63.9	-0.0	-0.2	316.5	8.13	108.7
04.22.2021	04:46:53	S	3409.37	W	536.06	8.3	4.6	1.8	47.4	66.3	0.0	-0.2	320.4	8.13	108.7
04.22.2021	04:47:53	S	3409.38	W	535.79	12.9	4.6	2.8	53.4	66.2	0.0	-0.2	320.0	8.13	108.7
04.22.2021	04:48:53	S	3409.38	W	535.58	9.3	4.6	2.0	55.8	64.4	-0.2	-0.4	321.1	8.14	108.7
04.22.2021	04:49:53	S	3409.39	W	535.34	9.6	4.6	2.0	52.3	65.1	0.0	-0.2	322.0	8.12	108.2
04.22.2021	04:50:51	S	3409.4	W	535.08	8.5	4.5	1.9	56.8	67.5	-0.0	-0.3	321.7	8.13	108.7
04.22.2021	04:51:51	S	3409.4	W	534.84	8.8	4.6	1.9	53.6	68.0	-0.0	-0.3	323.2	8.13	108.7
04.22.2021	04:52:51	S	3409.41	W	534.61	11.9	4.6	2.5	55.4	68.5	-0.1	-0.3	321.2	8.14	108.2
04.22.2021	04:53:51	S	3409.42	W	534.37	9.9	4.6	2.1	52.8	68.0	-0.1	-0.3	321.9	8.15	108.3
04.22.2021	04:54:51	S	3409.43	W	534.15	9.1	4.6	1.9	59.0	68.0	0.0	-0.2	321.1	8.13	108.4
04.22.2021	04:55:51	S	3409.45	W	533.91	10.2	4.6	2.2	52.5	67.2	-0.0	-0.3	321.2	8.13	108.3
04.22.2021	04:56:51	S	3409.47	W	533.67	11.0	4.6	2.3	55.8	66.7	-0.1	-0.3	317.6	8.14	107.9
04.22.2021	04:57:51	S	3409.49	W	533.41	10.8	4.5	2.4	53.5	67.6	-0.1	-0.3	320.0	8.13	108.7
04.22.2021	04:58:51	S	3409.5	W	533.18	9.3	4.6	2.0	53.9	66.0	-0.1	-0.2	314.4	8.16	108.2
04.22.2021	04:59:51	S	3409.5	W	532.96	9.0	4.6	1.9	55.3	58.7	-0.1	-0.4	317.8	8.15	107.9
04.22.2021	05:00:56	S	3409.52	W	532.7	9.4	4.6	2.0	54.8	58.7	0.0	-0.2	314.1	8.12	108.5
04.22.2021	05:01:56	S	3409.53	W	532.5	8.6	4.6	1.8	54.5	59.5	0.0	-0.2	317.6	8.17	107.9
04.22.2021	05:02:56	S	3409.54	W	532.24	8.8	4.6	1.9	57.5	58.9	-0.1	-0.3	313.3	8.14	108.2
04.22.2021	05:03:56	S	3409.56	W	531.99	10.0	4.5	2.2	49.3	58.4	-0.0	-0.4	319.4	8.17	108.2

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	05:04:56	S	3409.57	W	531.78	9.7	4.6	2.0	54.8	59.9	-0.1	-0.3	322.3	8.15	107.9	
04.22.2021	05:05:56	S	3409.58	W	531.5	11.2	4.6	2.4	53.2	59.8	-0.1	-0.3	323.2	8.15	107.9	
04.22.2021	05:06:56	S	3409.6	W	531.28	10.3	4.6	2.2	51.5	59.4	0.1	-0.2	323.7	8.15	107.9	
04.22.2021	05:07:56	S	3409.61	W	531.06	10.0	4.6	2.1	52.7	59.1	-0.0	-0.2	321.9	8.17	107.9	
04.22.2021	05:08:56	S	3409.63	W	530.8	10.3	4.6	2.2	48.9	59.7	-0.1	-0.3	322.8	8.17	108.2	
04.22.2021	05:09:56	S	3409.64	W	530.57	10.4	4.6	2.2	52.7	59.6	0.0	-0.2	321.5	8.17	107.6	
04.22.2021	05:10:53	S	3409.65	W	530.36	9.4	4.5	2.0	51.2	58.8	0.0	-0.2	321.2	8.15	107.9	
04.22.2021	05:11:53	S	3409.67	W	530.11	6.5	4.6	1.4	58.8	59.5	-0.0	-0.3	321.9	8.13	107.9	
04.22.2021	05:12:53	S	3409.7	W	529.83	12.0	4.6	2.6	51.3	58.7	-0.1	-0.3	320.4	8.13	107.9	
04.22.2021	05:13:53	S	3409.72	W	529.65	8.6	4.5	1.9	54.7	59.0	0.0	-0.2	320.4	8.17	107.9	
04.22.2021	05:14:53	S	3409.74	W	529.39	11.6	4.6	2.5	52.8	59.1	-0.1	-0.3	317.9	8.17	107.6	
04.22.2021	05:15:53	S	3409.75	W	529.15	10.5	4.6	2.2	55.8	59.6	-0.0	-0.2	318.0	8.17	107.9	
04.22.2021	05:16:53	S	3409.76	W	528.89	10.4	4.6	2.2	52.7	58.7	-0.1	-0.3	316.0	8.13	107.9	
04.22.2021	05:17:53	S	3409.77	W	528.68	10.6	4.6	2.2	56.9	60.3	-0.0	-0.2	315.8	8.13	107.9	
04.22.2021	05:18:53	S	3409.79	W	528.44	13.5	4.6	2.9	51.4	59.7	-0.0	-0.2	316.4	8.13	107.9	
04.22.2021	05:19:53	S	3409.81	W	528.18	11.1	4.6	2.4	52.4	59.9	-0.0	-0.2	319.9	8.16	108.2	
04.22.2021	05:21:00	S	3409.83	W	527.93	10.9	4.6	2.3	56.1	59.1	0.0	-0.2	318.8	8.13	108.7	
04.22.2021	05:22:00	S	3409.84	W	527.7	10.5	4.6	2.2	53.9	58.9	-0.1	-0.4	321.7	8.14	108.5	
04.22.2021	05:23:00	S	3409.85	W	527.47	8.0	4.6	1.7	57.8	59.7	0.0	-0.2	322.5	8.16	108.7	
04.22.2021	05:24:00	S	3409.86	W	527.22	8.6	4.6	1.8	53.6	68.6	0.0	-0.2	320.8	8.14	108.5	
04.22.2021	05:25:00	S	3409.87	W	526.97	10.0	4.6	2.1	54.2	68.4	-0.0	-0.3	324.3	8.18	108.7	
04.22.2021	05:26:00	S	3409.89	W	526.72	7.3	4.6	1.6	52.8	68.0	-0.1	-0.3	321.3	8.16	108.7	
04.22.2021	05:27:00	S	3409.9	W	526.51	11.7	4.6	2.5	51.3	68.6	0.0	-0.2	320.6	8.17	108.7	
04.22.2021	05:28:00	S	3409.92	W	526.23	9.4	4.5	2.1	51.1	65.4	-0.1	-0.3	320.7	8.14	108.7	
04.22.2021	05:29:00	S	3409.93	W	526.03	7.3	4.5	1.6	49.9	65.6	0.0	-0.2	319.4	8.17	108.7	
04.22.2021	05:30:00	S	3409.93	W	525.79	12.4	4.6	2.7	61.5	66.9	-0.1	-0.3	317.0	8.13	108.7	
04.22.2021	05:30:54	S	3409.94	W	525.54	10.0	4.6	2.1	55.7	65.5	-0.0	-0.3	315.1	8.16	108.7	
04.22.2021	05:31:54	S	3409.94	W	525.31	8.2	4.6	1.7	53.7	65.6	-0.0	-0.2	315.7	8.16	108.7	
04.22.2021	05:32:54	S	3409.96	W	525.07	9.0	4.6	1.9	52.0	65.5	-0.1	-0.3	314.1	8.13	108.7	
04.22.2021	05:33:54	S	3409.97	W	524.84	10.4	4.5	2.3	55.9	65.8	0.0	-0.2	317.1	8.16	108.7	
04.22.2021	05:34:54	S	3409.98	W	524.61	9.6	4.6	2.0	51.4	64.9	-0.1	-0.3	318.0	8.13	108.7	
04.22.2021	05:35:54	S	3409.99	W	524.34	11.0	4.6	2.3	54.0	64.6	-0.1	-0.2	318.8	8.16	108.7	
04.22.2021	05:36:54	S	3410	W	524.13	10.2	4.6	2.1	57.0	65.9	-0.0	-0.3	322.5	8.16	108.7	
04.22.2021	05:37:54	S	3410	W	523.9	11.0	4.6	2.4	55.5	65.8	-0.1	-0.3	323.2	8.16	108.7	
04.22.2021	05:38:54	S	3410.01	W	523.66	10.8	4.6	2.3	58.0	65.9	-0.1	-0.3	323.1	8.16	108.7	
04.22.2021	05:39:54	S	3410.02	W	523.39	7.6	4.6	1.6	53.7	66.8	-0.0	-0.3	322.9	8.16	108.7	
04.22.2021	05:41:00	S	3410.04	W	523.14	8.9	4.6	1.9	50.8	66.1	-0.0	-0.2	321.8	8.13	108.7	
04.22.2021	05:42:00	S	3410.05	W	522.94	10.1	4.6	2.1	54.2	66.5	-0.1	-0.3	321.2	8.13	108.7	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	05:43:00	S	3410.06	W	522.66	7.6	4.6	1.6	53.0	67.2	-0.0	-0.3	321.3	8.16	108.7	
04.22.2021	05:44:00	S	3410.07	W	522.45	11.2	4.6	2.4	53.9	61.1	-0.0	-0.2	319.0	8.16	108.7	
04.22.2021	05:45:00	S	3410.07	W	522.21	9.9	4.6	2.1	57.3	59.5	0.0	-0.2	322.7	8.16	108.7	
04.22.2021	05:46:00	S	3410.08	W	521.97	7.4	4.6	1.6	52.0	60.0	-0.1	-0.3	318.1	8.16	108.7	
04.22.2021	05:47:00	S	3410.09	W	521.75	9.9	4.6	2.1	53.5	58.9	0.0	-0.2	320.8	8.13	108.7	
04.22.2021	05:48:00	S	3410.11	W	521.48	11.1	4.6	2.3	52.1	58.4	-0.0	-0.3	314.2	8.13	108.7	
04.22.2021	05:49:00	S	3410.12	W	521.27	10.4	4.5	2.3	52.9	58.8	-0.0	-0.3	316.5	8.16	108.7	
04.22.2021	05:50:00	S	3410.13	W	521	9.4	4.6	2.0	54.1	57.8	-0.1	-0.3	314.2	8.16	108.7	
04.22.2021	05:50:55	S	3410.13	W	520.78	12.0	4.6	2.6	55.9	58.3	-0.1	-0.3	317.3	8.13	108.7	
04.22.2021	05:51:55	S	3410.13	W	520.55	11.6	4.6	2.5	49.7	57.9	-0.1	-0.3	317.2	8.18	108.7	
04.22.2021	05:52:55	S	3410.14	W	520.28	10.1	4.6	2.1	52.7	58.4	0.0	-0.3	319.7	8.16	108.7	
04.22.2021	05:53:55	S	3410.16	W	520.08	6.0	4.6	1.3	55.2	58.6	-0.1	-0.3	320.6	8.14	108.7	
04.22.2021	05:54:55	S	3410.17	W	519.82	9.2	4.6	1.9	53.3	58.7	-0.1	-0.3	322.4	8.15	108.5	
04.22.2021	05:55:55	S	3410.18	W	519.6	8.4	4.6	1.8	55.4	59.1	0.0	-0.2	322.7	8.16	108.7	
04.22.2021	05:56:55	S	3410.19	W	519.35	8.7	4.6	1.8	54.7	58.6	-0.0	-0.3	322.8	8.18	108.7	
04.22.2021	05:57:55	S	3410.19	W	519.12	9.3	4.6	2.0	51.8	59.3	-0.1	-0.3	323.5	8.18	108.7	
04.22.2021	05:58:55	S	3410.2	W	518.87	9.3	4.6	2.0	55.2	60.7	0.0	-0.2	322.3	8.16	108.7	
04.22.2021	05:59:55	S	3410.21	W	518.65	10.7	4.6	2.3	53.2	60.9	0.0	-0.2	321.1	8.14	108.7	
04.22.2021	06:00:53	S	3410.22	W	518.39	8.9	4.6	1.9	53.2	60.6	-0.1	-0.3	319.8	8.18	108.7	
04.22.2021	06:01:53	S	3410.23	W	518.14	9.1	4.6	1.9	50.9	60.4	-0.1	-0.3	319.1	8.18	108.7	
04.22.2021	06:02:53	S	3410.25	W	517.92	10.5	4.6	2.2	57.2	59.2	-0.0	-0.3	318.3	8.18	108.7	
04.22.2021	06:03:53	S	3410.26	W	517.7	8.4	4.6	1.8	49.7	59.0	-0.0	-0.3	316.6	8.18	108.7	
04.22.2021	06:04:53	S	3410.27	W	517.46	7.3	4.6	1.6	51.4	58.3	-0.1	-0.3	316.0	8.18	108.7	
04.22.2021	06:05:53	S	3410.28	W	517.21	9.9	4.5	2.2	52.4	58.1	-0.1	-0.3	314.5	8.16	108.7	
04.22.2021	06:06:53	S	3410.29	W	516.99	8.7	4.6	1.8	52.1	57.9	-0.1	-0.3	320.3	8.18	108.7	
04.22.2021	06:07:53	S	3410.3	W	516.73	9.7	4.6	2.0	49.5	65.3	0.0	-0.2	320.1	8.18	108.7	
04.22.2021	06:08:53	S	3410.31	W	516.48	7.6	4.6	1.6	53.1	65.3	-0.1	-0.3	322.0	8.18	108.7	
04.22.2021	06:09:53	S	3410.32	W	516.23	6.6	4.6	1.4	48.2	64.5	-0.1	-0.3	320.9	8.14	108.7	
04.22.2021	06:10:56	S	3410.32	W	516.01	6.7	4.6	1.4	53.5	66.4	-0.0	-0.3	322.5	8.16	108.7	
04.22.2021	06:11:56	S	3410.32	W	515.77	10.4	4.6	2.2	54.9	66.2	-0.1	-0.3	320.7	8.16	108.7	
04.22.2021	06:12:56	S	3410.32	W	515.52	9.7	4.7	2.0	58.0	65.2	-0.0	-0.2	323.7	8.16	108.7	
04.22.2021	06:13:56	S	3410.33	W	515.29	9.1	4.6	1.9	51.5	65.2	-0.1	-0.3	322.3	8.18	108.7	
04.22.2021	06:14:56	S	3410.34	W	515.04	8.0	4.5	1.7	49.3	67.0	-0.1	-0.3	320.8	8.18	108.7	
04.22.2021	06:15:56	S	3410.34	W	514.84	10.8	4.6	2.3	53.4	65.6	0.0	-0.2	318.9	8.18	108.7	
04.22.2021	06:16:56	S	3410.34	W	514.58	7.2	4.6	1.5	53.9	65.4	-0.1	-0.3	321.6	8.18	108.7	
04.22.2021	06:17:56	S	3410.34	W	514.34	9.4	4.6	2.0	52.8	65.4	-0.1	-0.3	321.4	8.18	108.7	
04.22.2021	06:18:56	S	3410.34	W	514.11	11.6	4.6	2.5	53.7	65.6	-0.0	-0.3	316.9	8.18	108.7	
04.22.2021	06:19:56	S	3410.35	W	513.9	12.6	4.6	2.7	51.7	65.3	-0.1	-0.4	313.7	8.18	108.7	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	06:20:59	S	3410.35	W	513.64	11.0	4.6	2.3	54.9	65.2	0.0	-0.2	317.1	8.15	108.5
04.22.2021	06:21:59	S	3410.35	W	513.38	9.5	4.6	2.0	52.5	64.6	0.0	-0.2	313.8	8.18	108.7
04.22.2021	06:22:59	S	3410.36	W	513.15	10.1	4.6	2.1	51.2	65.0	-0.0	-0.2	312.3	8.14	108.7
04.22.2021	06:23:59	S	3410.37	W	512.9	10.4	4.6	2.2	54.9	65.2	-0.1	-0.4	319.2	8.18	108.7
04.22.2021	06:24:59	S	3410.38	W	512.69	9.8	4.6	2.1	50.9	64.7	-0.0	-0.3	320.7	8.16	108.7
04.22.2021	06:25:59	S	3410.38	W	512.41	9.7	4.6	2.0	50.9	65.3	-0.1	-0.3	321.0	8.14	108.7
04.22.2021	06:26:59	S	3410.38	W	512.19	9.4	4.6	2.0	52.9	66.1	-0.1	-0.2	321.6	8.16	108.7
04.22.2021	06:27:59	S	3410.38	W	511.93	11.6	4.6	2.5	53.8	57.9	-0.0	-0.2	322.9	8.16	108.7
04.22.2021	06:28:59	S	3410.38	W	511.71	10.6	4.6	2.2	51.8	58.0	-0.1	-0.4	323.1	8.14	108.7
04.22.2021	06:29:59	S	3410.38	W	511.46	10.0	4.6	2.1	47.5	59.0	-0.1	-0.3	321.9	8.16	108.7
04.22.2021	06:30:56	S	3410.38	W	511.2	9.5	4.6	2.0	56.0	60.0	-0.1	-0.3	321.6	8.16	108.7
04.22.2021	06:31:56	S	3410.38	W	510.96	9.6	4.6	2.0	51.8	60.1	-0.1	-0.3	319.5	8.16	108.7
04.22.2021	06:32:56	S	3410.39	W	510.7	7.7	4.6	1.6	51.7	59.1	-0.0	-0.3	318.7	8.16	108.7
04.22.2021	06:33:56	S	3410.39	W	510.49	10.5	4.6	2.2	58.2	62.2	0.0	-0.2	318.3	8.16	108.7
04.22.2021	06:34:56	S	3410.39	W	510.24	10.4	4.6	2.2	48.4	60.9	-0.1	-0.3	315.2	8.18	108.7
04.22.2021	06:35:56	S	3410.39	W	510.01	9.7	4.5	2.1	53.2	61.6	-0.0	-0.3	316.0	8.13	108.7
04.22.2021	06:36:56	S	3410.4	W	509.72	9.8	4.6	2.1	50.1	58.0	-0.1	-0.3	314.3	8.18	108.7
04.22.2021	06:37:56	S	3410.4	W	509.5	7.2	4.6	1.5	51.9	59.6	0.0	-0.2	316.8	8.16	108.7
04.22.2021	06:38:56	S	3410.4	W	509.25	9.6	4.6	2.0	50.9	58.9	-0.0	-0.3	315.3	8.16	108.7
04.22.2021	06:39:56	S	3410.4	W	509.03	8.2	4.6	1.7	49.5	59.1	-0.1	-0.3	318.1	8.18	108.7
04.22.2021	06:40:56	S	3410.41	W	508.8	8.2	4.6	1.7	49.9	58.6	-0.0	-0.3	321.4	8.16	108.7
04.22.2021	06:41:56	S	3410.41	W	508.53	7.3	4.6	1.6	51.8	58.8	-0.1	-0.3	321.9	8.16	108.7
04.22.2021	06:42:56	S	3410.41	W	508.3	11.1	4.6	2.4	51.1	59.0	0.0	-0.2	322.2	8.16	108.7
04.22.2021	06:43:56	S	3410.42	W	508.09	9.0	4.6	1.9	56.3	58.9	-0.0	-0.3	322.1	8.13	108.7
04.22.2021	06:44:56	S	3410.43	W	507.82	10.0	4.6	2.1	56.5	59.6	-0.1	-0.3	320.8	8.16	108.7
04.22.2021	06:45:56	S	3410.43	W	507.62	10.3	4.6	2.2	52.5	59.0	0.1	-0.2	323.3	8.14	108.7
04.22.2021	06:46:56	S	3410.44	W	507.36	8.4	4.6	1.8	55.7	59.0	0.0	-0.2	322.1	8.16	108.7
04.22.2021	06:47:56	S	3410.45	W	507.13	10.9	4.6	2.3	53.8	58.9	0.1	-0.2	321.3	8.16	108.7
04.22.2021	06:48:56	S	3410.45	W	506.9	6.6	4.6	1.4	54.0	58.9	0.0	-0.2	318.6	8.16	108.5
04.22.2021	06:49:56	S	3410.46	W	506.69	7.6	4.5	1.6	51.4	59.4	-0.1	-0.3	320.8	8.13	108.7
04.22.2021	06:50:59	S	3410.46	W	506.42	9.4	4.5	2.1	53.7	58.5	-0.1	-0.3	315.8	8.13	108.7
04.22.2021	06:51:59	S	3410.46	W	506.18	10.9	4.6	2.3	53.1	59.9	-0.1	-0.3	316.1	8.13	108.7
04.22.2021	06:52:59	S	3410.46	W	505.98	10.5	4.6	2.2	55.8	64.5	-0.1	-0.3	314.2	8.16	108.7
04.22.2021	06:53:59	S	3410.45	W	505.74	12.7	4.6	2.7	55.5	65.8	-0.1	-0.3	315.1	8.17	108.7
04.22.2021	06:54:59	S	3410.46	W	505.46	9.9	4.6	2.1	52.2	64.9	-0.1	-0.3	316.6	8.16	108.7
04.22.2021	06:55:59	S	3410.46	W	505.25	9.0	4.6	1.9	55.0	65.6	0.0	-0.2	320.9	8.12	108.5
04.22.2021	06:56:59	S	3410.47	W	505.02	11.2	4.6	2.4	50.3	64.8	-0.1	-0.2	319.8	8.16	108.7
04.22.2021	06:57:59	S	3410.48	W	504.78	7.6	4.6	1.6	52.4	67.3	-0.1	-0.3	322.3	8.13	108.7

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	06:58:59	S	3410.49	W	504.55	9.4	4.6	2.0	51.2	67.3	-0.0	-0.3	321.1	8.13	108.7
04.22.2021	06:59:59	S	3410.5	W	504.33	10.5	4.6	2.3	50.3	68.1	-0.0	-0.2	321.8	8.18	108.7
04.22.2021	07:00:56	S	3410.51	W	504.09	8.4	4.6	1.8	54.5	66.1	-0.1	-0.4	321.3	8.14	108.7
04.22.2021	07:01:56	S	3410.51	W	503.87	10.1	4.6	2.1	52.8	66.5	-0.0	-0.2	322.7	8.18	108.7
04.22.2021	07:02:56	S	3410.51	W	503.62	6.8	4.6	1.5	49.5	67.6	0.0	-0.2	321.8	8.16	108.7
04.22.2021	07:03:56	S	3410.51	W	503.39	9.3	4.6	2.0	48.7	66.1	0.1	-0.2	319.1	8.16	108.7
04.22.2021	07:04:56	S	3410.52	W	503.15	9.9	4.6	2.1	53.5	65.8	-0.1	-0.2	318.0	8.16	108.7
04.22.2021	07:05:56	S	3410.53	W	502.95	11.8	4.6	2.5	55.6	67.7	0.0	-0.2	317.5	8.18	108.7
04.22.2021	07:06:56	S	3410.54	W	502.7	12.2	4.6	2.6	56.1	66.2	-0.0	-0.3	314.9	8.16	108.7
04.22.2021	07:07:56	S	3410.56	W	502.45	10.0	4.6	2.1	47.9	65.9	0.0	-0.3	315.2	8.16	108.7
04.22.2021	07:08:56	S	3410.57	W	502.24	9.0	4.5	2.0	56.2	65.5	-0.0	-0.3	313.7	8.16	108.7
04.22.2021	07:09:56	S	3410.59	W	502	9.4	4.6	2.0	48.7	64.5	-0.1	-0.4	315.5	8.13	108.7
04.22.2021	07:11:01	S	3410.61	W	501.77	10.0	4.6	2.1	51.4	64.7	-0.1	-0.3	319.8	8.13	108.7
04.22.2021	07:12:01	S	3410.62	W	501.54	8.8	4.6	1.9	57.1	60.9	-0.0	-0.3	319.7	8.16	108.7
04.22.2021	07:13:01	S	3410.64	W	501.33	6.9	4.6	1.5	55.9	59.7	-0.1	-0.3	320.9	8.16	108.7
04.22.2021	07:14:01	S	3410.65	W	501.07	8.4	4.6	1.8	59.7	60.3	-0.1	-0.3	323.4	8.12	108.5
04.22.2021	07:15:00	S	3410.67	W	500.83	10.5	4.6	2.2	53.3	60.7	0.0	-0.2	322.1	8.16	108.7
04.22.2021	07:16:00	S	3410.69	W	500.6	10.0	4.6	2.1	50.9	58.4	-0.0	-0.3	321.8	8.16	108.7
04.22.2021	07:17:00	S	3410.7	W	500.38	9.6	4.5	2.1	55.6	58.5	-0.0	-0.2	322.6	8.18	108.7
04.22.2021	07:18:00	S	3410.71	W	500.14	11.3	4.6	2.4	48.1	58.9	-0.1	-0.3	320.6	8.18	108.7
04.22.2021	07:19:00	S	3410.73	W	459.89	9.0	4.5	2.0	50.1	59.2	-0.1	-0.3	322.5	8.16	108.7
04.22.2021	07:20:00	S	3410.74	W	459.66	9.6	4.6	2.0	56.2	59.6	-0.1	-0.3	319.4	8.18	108.7
04.22.2021	07:20:57	S	3410.76	W	459.47	10.5	4.6	2.2	51.3	60.0	-0.1	-0.3	321.3	8.18	108.7
04.22.2021	07:21:57	S	3410.76	W	459.4	9.0	4.6	1.9	53.0	59.2	0.0	-0.2	316.5	8.16	108.7
04.22.2021	07:22:57	S	3410.8	W	459	10.6	4.6	2.2	55.3	58.9	-0.1	-0.4	320.1	8.16	108.7
04.22.2021	07:23:57	S	3410.81	W	458.76	9.1	4.5	2.0	56.7	59.0	-0.1	-0.3	314.5	8.18	108.7
04.22.2021	07:24:57	S	3410.83	W	458.51	9.4	4.6	2.0	57.3	59.0	-0.1	-0.3	316.0	8.16	108.7
04.22.2021	07:25:57	S	3410.85	W	458.32	10.4	4.6	2.2	51.5	58.6	0.0	-0.2	312.8	8.13	108.7
04.22.2021	07:26:57	S	3410.87	W	458.06	12.3	4.5	2.7	54.8	58.9	-0.1	-0.4	316.9	8.16	108.7
04.22.2021	07:27:57	S	3410.89	W	457.83	10.5	4.6	2.3	52.5	57.9	-0.1	-0.3	320.5	8.16	108.7
04.22.2021	07:28:57	S	3410.9	W	457.61	9.2	4.6	1.9	55.8	59.0	-0.0	-0.2	320.4	8.13	108.7
04.22.2021	07:29:57	S	3410.91	W	457.4	8.9	4.6	1.9	57.5	60.9	0.0	-0.3	320.6	8.16	108.7
04.22.2021	07:30:56	S	3410.93	W	457.16	8.4	4.6	1.8	53.7	58.7	-0.1	-0.3	321.9	8.16	108.7
04.22.2021	07:31:56	S	3410.94	W	456.94	9.0	4.6	1.9	52.3	59.7	-0.0	-0.3	322.2	8.18	108.7
04.22.2021	07:32:56	S	3410.96	W	456.68	10.2	4.6	2.1	49.4	59.7	-0.1	-0.3	322.6	8.18	108.7
04.22.2021	07:33:56	S	3410.98	W	456.46	10.9	4.6	2.3	55.8	59.6	-0.1	-0.3	321.5	8.16	108.7
04.22.2021	07:34:56	S	3411	W	456.21	9.0	4.6	1.9	54.0	58.9	-0.0	-0.3	322.8	8.16	108.7
04.22.2021	07:35:56	S	3411.01	W	456.01	9.8	4.6	2.1	50.4	58.9	-0.1	-0.3	321.1	8.18	108.7

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	07:36:56	S	3411.02	W	455.79	10.5	4.6	2.2	57.8	65.7	-0.1	-0.3	319.4	8.16	108.7
04.22.2021	07:37:56	S	3411.04	W	455.55	7.7	4.6	1.6	54.0	65.7	0.0	-0.2	318.3	8.14	108.7
04.22.2021	07:38:56	S	3411.05	W	455.33	10.3	4.6	2.2	54.1	65.8	0.0	-0.2	317.1	8.16	108.7
04.22.2021	07:39:56	S	3411.07	W	455.08	9.4	4.6	2.0	56.4	65.5	-0.1	-0.1	314.3	8.16	108.7
04.22.2021	07:40:57	S	3411.08	W	454.87	10.7	4.6	2.3	59.1	66.0	-0.0	-0.2	317.4	8.13	108.7
04.22.2021	07:41:57	S	3411.1	W	454.62	11.2	4.6	2.4	56.2	65.0	-0.1	-0.3	314.4	8.13	108.7
04.22.2021	07:42:57	S	3411.12	W	454.42	9.6	4.6	2.0	51.8	64.9	0.0	-0.2	317.9	8.16	108.7
04.22.2021	07:43:57	S	3411.14	W	454.19	8.9	4.5	2.0	54.5	65.2	0.1	-0.2	319.8	8.14	108.7
04.22.2021	07:44:57	S	3411.14	W	453.97	7.0	4.6	1.5	55.2	65.4	-0.1	-0.3	321.9	8.18	108.5
04.22.2021	07:45:57	S	3411.15	W	453.74	8.2	4.6	1.7	51.4	65.2	-0.1	-0.3	322.1	8.16	108.7
04.22.2021	07:46:57	S	3411.17	W	453.53	10.2	4.6	2.1	56.8	65.5	-0.0	-0.2	323.2	8.14	108.7
04.22.2021	07:47:57	S	3411.19	W	453.27	10.0	4.6	2.1	54.3	65.4	-0.1	-0.3	322.1	8.16	108.7
04.22.2021	07:48:57	S	3411.21	W	453.07	9.0	4.6	1.9	48.6	66.1	-0.1	-0.3	323.6	8.18	108.7
04.22.2021	07:49:57	S	3411.22	W	452.86	9.4	4.5	2.1	48.4	65.9	-0.1	-0.3	321.6	8.14	108.7
04.22.2021	07:50:53	S	3411.24	W	452.63	9.8	4.6	2.1	51.4	66.2	-0.1	-0.3	320.7	8.16	108.7
04.22.2021	07:51:53	S	3411.25	W	452.39	8.3	4.6	1.8	54.5	66.2	-0.1	-0.3	319.9	8.16	108.7
04.22.2021	07:52:53	S	3411.26	W	452.15	11.2	4.6	2.4	52.6	65.9	-0.1	-0.3	318.3	8.14	108.7
04.22.2021	07:53:53	S	3411.28	W	451.95	10.5	4.6	2.2	55.4	66.0	-0.1	-0.3	314.4	8.13	108.7
04.22.2021	07:54:53	S	3411.29	W	451.72	9.8	4.6	2.1	54.2	65.9	-0.1	-0.3	315.1	8.14	108.7
04.22.2021	07:55:53	S	3411.3	W	451.49	10.2	4.6	2.1	56.2	65.4	0.0	-0.2	315.3	8.18	108.7
04.22.2021	07:56:53	S	3411.31	W	451.25	11.0	4.7	2.3	58.9	65.1	-0.1	-0.3	315.7	8.16	108.7
04.22.2021	07:57:53	S	3411.33	W	451.07	8.8	4.6	1.9	55.5	61.0	-0.0	-0.2	314.5	8.14	108.7
04.22.2021	07:58:53	S	3411.36	W	450.8	12.0	4.5	2.6	50.6	61.0	0.0	-0.3	318.2	8.13	108.7
04.22.2021	07:59:53	S	3411.38	W	450.59	10.8	4.5	2.4	49.7	61.3	-0.0	-0.2	315.5	8.14	108.7
04.22.2021	08:01:01	S	3411.39	W	450.36	8.3	4.6	1.8	59.7	59.4	-0.0	-0.3	321.3	8.16	108.7
04.22.2021	08:02:01	S	3411.41	W	450.16	11.0	4.6	2.3	56.4	59.3	0.0	-0.2	321.4	8.18	108.7
04.22.2021	08:03:01	S	3411.43	W	449.93	8.5	4.6	1.8	52.3	58.3	-0.0	-0.3	321.5	8.16	108.7
04.22.2021	08:04:01	S	3411.45	W	449.71	9.5	4.6	2.0	53.8	58.7	-0.1	-0.4	322.0	8.18	108.7
04.22.2021	08:05:01	S	3411.46	W	449.46	11.0	4.6	2.3	51.6	58.7	-0.0	-0.3	321.9	8.18	108.7
04.22.2021	08:06:01	S	3411.47	W	449.27	10.0	4.5	2.2	53.9	61.5	-0.0	-0.3	322.7	8.14	108.7
04.22.2021	08:07:01	S	3411.49	W	449.05	8.8	4.6	1.9	50.6	58.9	0.0	-0.2	322.4	8.16	108.7
04.22.2021	08:08:01	S	3411.51	W	448.8	10.9	4.6	2.3	53.5	58.8	0.0	-0.3	322.0	8.16	108.7
04.22.2021	08:09:01	S	3411.53	W	448.59	10.5	4.6	2.2	54.0	59.2	0.1	-0.2	317.7	8.18	108.7
04.22.2021	08:10:01	S	3411.55	W	448.36	10.4	4.6	2.2	51.5	58.7	-0.0	-0.3	319.5	8.18	108.7
04.22.2021	08:10:57	S	3411.56	W	448.15	9.8	4.5	2.2	53.4	59.8	-0.0	-0.2	314.4	8.14	108.7
04.22.2021	08:11:57	S	3411.57	W	447.92	10.2	4.6	2.1	54.3	59.6	0.0	-0.2	318.0	8.14	108.7
04.22.2021	08:12:57	S	3411.57	W	447.71	11.7	4.6	2.5	56.5	59.1	-0.0	-0.2	313.2	8.16	108.7
04.22.2021	08:13:57	S	3411.57	W	447.46	7.9	4.6	1.7	58.9	59.8	-0.1	-0.3	315.7	8.16	108.7

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	08:14:57	S	3411.57	W	447.24	9.4	4.6	2.0	55.3	58.1	0.0	-0.3	318.1	8.18	108.7	
04.22.2021	08:15:57	S	3411.57	W	447.02	8.2	4.6	1.7	59.4	60.7	-0.0	-0.3	320.9	8.14	108.7	
04.22.2021	08:16:57	S	3411.58	W	446.79	10.1	4.6	2.1	58.3	59.0	0.0	-0.2	322.6	8.18	108.7	
04.22.2021	08:17:57	S	3411.59	W	446.59	10.6	4.5	2.3	56.6	59.8	-0.0	-0.2	321.9	8.18	108.7	
04.22.2021	08:18:57	S	3411.59	W	446.35	9.7	4.6	2.0	52.3	59.3	0.0	-0.3	322.4	8.14	108.7	
04.22.2021	08:19:57	S	3411.6	W	446.09	8.0	4.6	1.7	52.5	59.8	0.0	-0.2	322.4	8.12	108.5	
04.22.2021	08:20:53	S	3411.6	W	445.9	10.8	4.6	2.3	51.8	59.3	-0.0	-0.2	321.7	8.16	108.7	
04.22.2021	08:21:53	S	3411.6	W	445.65	10.0	4.6	2.1	54.9	59.4	-0.0	-0.3	322.3	8.14	108.7	
04.22.2021	08:22:53	S	3411.6	W	445.62	9.6	4.6	2.0	54.9	66.7	-0.1	-0.4	322.3	8.16	108.7	
04.22.2021	08:23:53	S	3411.61	W	445.19	9.6	4.5	2.1	53.8	65.6	-0.1	-0.3	322.3	8.12	108.5	
04.22.2021	08:24:53	S	3411.61	W	444.95	9.6	4.6	2.0	49.8	65.0	-0.1	-0.3	320.7	8.18	108.7	
04.22.2021	08:25:53	S	3411.6	W	444.73	11.4	4.6	2.4	50.5	65.8	-0.1	-0.3	319.8	8.16	108.7	
04.22.2021	08:26:53	S	3411.6	W	444.51	8.0	4.6	1.7	53.7	68.8	-0.1	-0.3	316.7	8.14	108.7	
04.22.2021	08:27:53	S	3411.61	W	444.26	10.0	4.6	2.1	54.9	67.1	-0.0	-0.3	317.9	8.18	108.7	
04.22.2021	08:28:53	S	3411.61	W	444.02	10.7	4.6	2.3	53.6	69.5	-0.0	-0.3	314.9	8.13	108.7	
04.22.2021	08:29:53	S	3411.61	W	443.79	11.8	4.6	2.5	54.8	65.5	0.1	-0.2	315.2	8.16	108.7	
04.22.2021	08:31:02	S	3411.61	W	443.58	9.7	4.6	2.0	54.5	65.6	-0.0	-0.3	317.9	8.14	108.7	
04.22.2021	08:32:02	S	3411.62	W	443.33	10.0	4.6	2.1	53.4	64.8	-0.0	-0.3	318.5	8.14	108.7	
04.22.2021	08:33:02	S	3411.62	W	443.1	7.5	4.6	1.6	51.0	65.1	-0.0	-0.3	321.1	8.18	108.7	
04.22.2021	08:34:02	S	3411.62	W	442.87	10.1	4.6	2.1	51.9	68.3	-0.0	-0.3	321.9	8.18	108.7	
04.22.2021	08:35:02	S	3411.62	W	442.62	8.6	4.5	1.9	54.2	67.8	-0.1	-0.4	321.6	8.18	108.7	
04.22.2021	08:36:02	S	3411.61	W	442.39	8.3	4.6	1.8	55.6	68.2	0.0	-0.3	322.0	8.18	108.7	
04.22.2021	08:37:02	S	3411.61	W	442.17	7.7	4.6	1.6	55.6	68.0	-0.0	-0.3	322.0	8.15	108.5	
04.22.2021	08:38:02	S	3411.61	W	441.94	3.7	4.6	0.7	53.8	65.7	-0.1	-0.3	321.8	8.18	108.7	
04.22.2021	08:39:02	S	3411.61	W	441.71	7.3	4.6	1.6	48.3	65.6	-0.1	-0.3	320.8	8.18	108.7	
04.22.2021	08:40:02	S	3411.61	W	441.45	10.0	4.6	2.1	51.8	67.3	0.0	-0.3	320.4	8.18	108.7	
04.22.2021	08:40:57	S	3411.61	W	441.23	6.4	4.6	1.4	53.5	66.3	-0.0	-0.2	318.3	8.18	108.7	
04.22.2021	08:41:57	S	3411.61	W	441.01	9.7	4.6	2.0	50.3	58.7	-0.1	-0.4	316.8	8.16	108.7	
04.22.2021	08:42:57	S	3411.62	W	440.75	10.4	4.6	2.2	53.2	59.2	-0.1	-0.3	317.1	8.18	108.7	
04.22.2021	08:43:57	S	3411.62	W	440.54	12.5	4.6	2.7	51.9	59.3	-0.1	-0.3	315.9	8.16	108.7	
04.22.2021	08:44:57	S	3411.62	W	440.33	7.2	4.6	1.5	54.8	59.5	-0.1	-0.3	318.9	8.16	108.7	
04.22.2021	08:45:57	S	3411.62	W	440.08	9.2	4.6	1.9	52.4	59.4	0.0	-0.2	316.3	8.18	108.7	
04.22.2021	08:46:57	S	3411.62	W	439.81	12.0	4.6	2.6	57.0	60.1	-0.0	-0.3	317.5	8.16	108.7	
04.22.2021	08:47:57	S	3411.62	W	439.61	9.1	4.6	1.9	55.3	58.7	-0.1	-0.3	322.3	8.14	108.7	
04.22.2021	08:48:57	S	3411.62	W	439.38	10.7	4.6	2.2	53.3	59.2	-0.1	-0.4	322.2	8.18	108.7	
04.22.2021	08:49:57	S	3411.62	W	439.16	9.9	4.6	2.1	51.1	60.0	-0.1	-0.3	323.2	8.16	108.7	
04.22.2021	08:50:59	S	3411.61	W	438.91	9.3	4.6	2.0	53.8	59.4	0.0	-0.2	321.9	8.14	108.7	
04.22.2021	08:51:59	S	3411.6	W	438.68	9.4	4.6	2.0	51.7	59.4	-0.1	-0.3	321.7	8.14	108.7	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	08:52:59	S	3411.6	W	438.45	9.9	4.6	2.1	53.1	58.6	-0.0	-0.3	321.6	8.16	108.7
04.22.2021	08:53:59	S	3411.59	W	438.2	9.6	4.6	2.0	54.4	59.2	0.0	-0.2	318.8	8.18	108.7
04.22.2021	08:54:59	S	3411.59	W	437.97	9.3	4.6	2.0	50.3	58.9	-0.0	-0.3	321.5	8.16	108.7
04.22.2021	08:55:59	S	3411.58	W	437.74	12.1	4.6	2.6	55.9	60.6	-0.1	-0.3	318.3	8.16	108.7
04.22.2021	08:56:59	S	3411.58	W	437.49	11.2	4.6	2.4	56.7	58.2	-0.1	-0.4	319.9	8.14	108.7
04.22.2021	08:57:59	S	3411.58	W	437.31	9.3	4.6	2.0	56.6	58.0	-0.0	-0.2	316.7	8.18	108.7
04.22.2021	08:58:59	S	3411.58	W	437.03	6.2	4.6	1.3	51.3	59.0	-0.0	-0.3	318.6	8.14	108.7
04.22.2021	08:59:59	S	3411.59	W	436.82	12.0	4.6	2.6	49.9	58.5	-0.1	-0.3	313.8	8.16	108.7
04.22.2021	09:00:57	S	3411.61	W	436.58	11.0	4.6	2.3	53.4	57.8	-0.1	-0.3	315.7	8.18	108.7
04.22.2021	09:01:57	S	3411.62	W	436.4	12.2	4.5	2.6	54.4	57.8	-0.2	-0.3	315.7	8.18	108.7
04.22.2021	09:02:57	S	3411.64	W	436.14	12.5	4.6	2.7	54.6	57.9	-0.0	-0.3	319.1	8.18	108.7
04.22.2021	09:03:57	S	3411.65	W	435.92	8.9	4.6	1.9	53.2	58.3	-0.0	-0.2	321.5	8.18	108.7
04.22.2021	09:04:57	S	3411.67	W	435.67	9.9	4.6	2.1	51.8	58.3	0.0	-0.2	322.3	8.14	108.7
04.22.2021	09:05:57	S	3411.68	W	435.44	10.0	4.6	2.1	54.5	59.3	-0.0	-0.3	322.1	8.18	108.7
04.22.2021	09:06:57	S	3411.7	W	435.23	9.6	4.6	2.1	51.2	65.9	-0.1	-0.3	322.2	8.14	108.7
04.22.2021	09:07:57	S	3411.71	W	435	7.8	4.6	1.7	50.1	65.6	-0.0	-0.3	320.7	8.16	108.7
04.22.2021	09:08:57	S	3411.72	W	434.79	10.9	4.6	2.3	51.3	65.8	-0.1	-0.3	322.2	8.15	108.5
04.22.2021	09:09:57	S	3411.73	W	434.54	12.0	4.6	2.6	51.4	69.1	-0.0	-0.2	323.7	8.16	108.7
04.22.2021	09:10:59	S	3411.74	W	434.3	8.8	4.6	1.9	58.1	68.1	-0.1	-0.3	321.7	8.16	108.7
04.22.2021	09:11:59	S	3411.75	W	434.11	11.2	4.7	2.3	57.3	69.0	0.0	-0.2	322.3	8.14	108.7
04.22.2021	09:12:59	S	3411.77	W	433.86	11.0	4.6	2.3	57.0	65.3	-0.1	-0.3	318.6	8.18	108.7
04.22.2021	09:13:59	S	3411.79	W	433.64	10.0	4.6	2.1	54.0	65.4	-0.1	-0.3	316.7	8.16	108.7
04.22.2021	09:14:59	S	3411.81	W	433.4	11.1	4.6	2.4	57.5	66.3	0.0	-0.2	318.7	8.16	108.7
04.22.2021	09:15:59	S	3411.83	W	433.21	11.0	4.6	2.3	54.6	68.0	-0.1	-0.3	314.8	8.18	108.7
04.22.2021	09:16:59	S	3411.85	W	432.97	12.0	4.6	2.6	54.1	66.3	-0.1	-0.3	313.8	8.18	108.7
04.22.2021	09:17:59	S	3411.87	W	432.73	8.6	4.6	1.8	52.1	65.1	0.0	-0.2	319.8	8.16	108.7
04.22.2021	09:18:59	S	3411.89	W	432.54	9.4	4.6	2.0	51.2	65.1	-0.0	-0.3	319.8	8.18	108.7
04.22.2021	09:19:59	S	3411.91	W	432.3	8.4	4.6	1.8	50.5	64.6	-0.1	-0.3	322.0	8.16	108.7
04.22.2021	09:20:53	S	3411.92	W	432.05	8.0	4.6	1.7	54.3	67.1	-0.1	-0.3	323.6	8.16	108.7
04.22.2021	09:21:53	S	3411.93	W	431.83	12.4	4.6	2.7	49.6	67.3	-0.1	-0.4	322.8	8.18	108.7
04.22.2021	09:22:53	S	3411.95	W	431.62	10.4	4.6	2.2	50.7	67.1	-0.0	-0.2	322.4	8.16	108.7
04.22.2021	09:23:53	S	3411.97	W	431.39	8.1	4.6	1.7	56.6	66.3	-0.1	-0.3	322.6	8.18	108.7
04.22.2021	09:24:53	S	3411.99	W	431.14	13.2	4.6	2.8	56.1	66.8	-0.0	-0.2	322.8	8.16	108.7
04.22.2021	09:25:53	S	3412.01	W	430.92	11.5	4.6	2.5	56.3	62.9	-0.1	-0.3	321.7	8.16	108.7
04.22.2021	09:26:53	S	3412.03	W	430.71	11.4	4.6	2.4	56.5	59.4	-0.1	-0.3	320.6	8.14	108.7
04.22.2021	09:27:53	S	3412.05	W	430.46	10.2	4.6	2.1	49.1	58.6	-0.1	-0.3	320.0	8.16	108.7
04.22.2021	09:28:53	S	3412.06	W	430.24	8.4	4.6	1.8	55.5	59.4	-0.1	-0.3	316.0	8.14	108.7
04.22.2021	09:29:53	S	3412.08	W	430.06	8.4	4.6	1.8	61.2	58.5	0.0	-0.2	315.7	8.14	108.7

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	09:30:56	S	3412.1	W	429.82	11.1	4.6	2.3	52.7	58.6	0.1	-0.1	315.4	8.14	108.7	
04.22.2021	09:31:56	S	3412.13	W	429.58	8.2	4.6	1.7	52.2	58.7	0.1	-0.1	315.0	8.16	108.7	
04.22.2021	09:32:56	S	3412.14	W	429.37	11.8	4.6	2.5	55.9	58.5	-0.1	-0.4	312.2	8.18	108.7	
04.22.2021	09:33:56	S	3412.17	W	429.11	7.3	4.6	1.6	52.1	58.7	0.0	-0.2	314.2	8.16	108.7	
04.22.2021	09:34:56	S	3412.19	W	428.9	10.5	4.6	2.2	55.2	57.8	-0.0	-0.2	320.1	8.18	108.7	
04.22.2021	09:35:56	S	3412.22	W	428.67	11.3	4.6	2.4	59.2	58.1	0.1	-0.1	318.5	8.18	108.7	
04.22.2021	09:36:56	S	3412.25	W	428.44	11.2	4.6	2.4	52.9	58.8	-0.1	-0.3	321.7	8.13	108.1	
04.22.2021	09:37:56	S	3412.27	W	428.24	11.7	4.6	2.5	54.9	58.8	-0.1	-0.3	321.7	8.16	108.7	
04.22.2021	09:38:56	S	3412.28	W	428	8.3	4.5	1.8	52.0	59.2	-0.1	-0.3	321.3	8.14	108.7	
04.22.2021	09:39:56	S	3412.29	W	427.78	10.2	4.6	2.1	54.2	60.1	0.0	-0.2	323.3	8.16	108.7	
04.22.2021	09:40:53	S	3412.29	W	427.53	8.9	4.6	1.9	62.0	59.3	-0.1	-0.3	321.7	8.16	108.7	
04.22.2021	09:41:53	S	3412.3	W	427.34	6.4	4.6	1.4	51.2	58.4	-0.1	-0.3	322.2	8.16	108.7	
04.22.2021	09:42:53	S	3412.31	W	427.09	9.6	4.6	2.0	52.2	58.8	0.0	-0.2	319.5	8.16	108.7	
04.22.2021	09:43:53	S	3412.32	W	426.89	9.2	4.6	1.9	56.5	59.0	-0.1	-0.3	321.0	8.18	108.7	
04.22.2021	09:44:53	S	3412.33	W	426.65	9.7	4.6	2.0	58.2	61.8	-0.1	-0.4	316.2	8.16	108.7	
04.22.2021	09:45:53	S	3412.35	W	426.43	11.4	4.6	2.4	52.2	58.9	0.0	-0.2	317.2	8.18	108.7	
04.22.2021	09:46:53	S	3412.36	W	426.2	11.8	4.6	2.5	52.5	58.5	0.0	-0.3	315.8	8.18	108.7	
04.22.2021	09:47:53	S	3412.38	W	425.95	10.7	4.6	2.3	47.5	58.5	-0.1	-0.3	317.3	8.18	108.7	
04.22.2021	09:48:53	S	3412.39	W	425.74	11.5	4.5	2.5	54.1	59.4	-0.1	-0.4	318.5	8.18	108.7	
04.22.2021	09:49:53	S	3412.4	W	425.52	10.7	4.6	2.3	49.7	61.8	0.1	-0.2	316.4	8.16	108.7	
04.22.2021	09:50:58	S	3412.41	W	425.31	10.4	4.6	2.2	51.3	58.6	0.0	-0.2	319.0	8.14	108.7	
04.22.2021	09:51:58	S	3412.42	W	425.08	9.3	4.6	2.0	50.4	58.5	-0.1	-0.3	321.3	8.16	108.7	
04.22.2021	09:52:58	S	3412.43	W	424.85	11.0	4.5	2.4	52.8	58.8	-0.1	-0.4	322.2	8.14	108.7	
04.22.2021	09:53:58	S	3412.43	W	424.62	11.6	4.6	2.5	50.5	59.4	-0.0	-0.3	321.1	8.18	108.7	
04.22.2021	09:54:58	S	3412.42	W	424.39	10.0	4.6	2.1	53.0	59.3	-0.1	-0.3	322.2	8.18	108.7	
04.22.2021	09:55:58	S	3412.41	W	424.16	12.0	4.6	2.6	56.8	66.9	-0.0	-0.2	322.9	8.18	108.7	
04.22.2021	09:56:58	S	3412.41	W	423.93	10.9	4.7	2.3	50.4	65.8	0.0	-0.2	321.8	8.18	108.7	
04.22.2021	09:57:58	S	3412.4	W	423.7	10.5	4.6	2.2	51.2	65.6	-0.0	-0.3	322.1	8.18	108.7	
04.22.2021	09:58:58	S	3412.39	W	423.49	9.0	4.6	1.9	54.0	66.1	-0.0	-0.3	321.5	8.18	108.7	
04.22.2021	09:59:58	S	3412.39	W	423.28	10.8	4.6	2.3	58.9	66.0	-0.1	-0.3	321.9	8.16	108.7	
04.22.2021	10:00:55	S	3412.39	W	423.05	8.3	4.6	1.8	55.3	66.0	-0.1	-0.3	318.6	8.14	108.7	
04.22.2021	10:01:55	S	3412.39	W	422.81	8.4	4.6	1.8	53.5	66.5	-0.0	-0.2	318.3	8.18	108.7	
04.22.2021	10:02:55	S	3412.39	W	422.57	8.5	4.6	1.8	50.9	65.9	-0.1	-0.3	316.1	8.18	108.7	
04.22.2021	10:03:55	S	3412.39	W	422.38	10.0	4.6	2.1	53.5	66.6	-0.1	-0.3	316.2	8.14	108.7	
04.22.2021	10:04:55	S	3412.38	W	422.16	9.0	4.6	1.9	60.8	66.3	-0.1	-0.3	315.9	8.18	108.7	
04.22.2021	10:05:55	S	3412.38	W	421.92	9.6	4.6	2.0	54.9	65.4	-0.0	-0.2	318.8	8.16	108.7	
04.22.2021	10:06:55	S	3412.38	W	421.68	10.7	4.5	2.3	48.1	65.3	0.0	-0.2	318.7	8.16	108.7	
04.22.2021	10:07:55	S	3412.37	W	421.46	8.3	4.6	1.8	54.6	64.9	-0.0	-0.2	321.3	8.18	108.7	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	10:08:55	S	3412.36	W	421.26	7.9	4.6	1.7	55.9	64.8	-0.0	-0.2	323.8	8.18	108.7	
04.22.2021	10:09:55	S	3412.35	W	421.03	9.4	4.6	2.0	52.7	65.3	-0.1	-0.3	323.4	8.18	108.7	
04.22.2021	10:11:01	S	3412.34	W	420.8	8.2	4.6	1.7	58.4	65.5	-0.0	-0.3	323.8	8.16	108.7	
04.22.2021	10:12:01	S	3412.34	W	420.58	10.0	4.6	2.1	53.9	66.0	0.0	-0.3	322.4	8.16	108.7	
04.22.2021	10:13:01	S	3412.33	W	420.35	11.4	4.6	2.4	55.5	65.6	-0.1	-0.3	323.3	8.18	108.7	
04.22.2021	10:14:01	S	3412.32	W	420.14	13.9	4.6	3.0	55.9	65.1	0.0	-0.3	321.4	8.18	108.7	
04.22.2021	10:15:01	S	3412.32	W	419.92	12.0	4.6	2.6	49.1	58.3	-0.0	-0.3	320.4	8.16	108.7	
04.22.2021	10:16:01	S	3412.32	W	419.68	9.2	4.6	1.9	58.2	59.4	-0.1	-0.3	320.8	8.13	108.7	
04.22.2021	10:17:01	S	3412.34	W	419.46	11.9	4.6	2.6	55.2	59.9	0.0	-0.3	319.1	8.18	108.7	
04.22.2021	10:18:01	S	3412.35	W	419.23	9.2	4.6	1.9	55.3	60.1	-0.1	-0.3	315.8	8.14	108.7	
04.22.2021	10:19:01	S	3412.36	W	419.03	10.1	4.6	2.1	56.6	61.2	-0.1	-0.3	314.7	8.16	108.7	
04.22.2021	10:20:01	S	3412.38	W	418.8	13.8	4.6	3.0	49.6	59.4	-0.1	-0.4	314.2	8.16	108.7	
04.22.2021	10:21:02	S	3412.4	W	418.56	11.8	4.5	2.6	54.1	59.1	-0.1	-0.3	313.4	8.18	108.7	
04.22.2021	10:22:02	S	3412.42	W	418.35	8.8	4.6	1.9	53.3	59.9	0.0	-0.2	315.6	8.16	108.7	
04.22.2021	10:23:02	S	3412.43	W	418.13	11.3	4.6	2.4	51.3	58.6	-0.1	-0.3	320.6	8.18	108.7	
04.22.2021	10:24:02	S	3412.45	W	417.91	10.0	4.6	2.2	54.9	59.6	-0.1	-0.3	320.0	8.18	108.7	
04.22.2021	10:25:02	S	3412.46	W	417.68	8.0	4.6	1.7	53.7	60.0	0.1	-0.2	321.9	8.18	108.7	
04.22.2021	10:26:02	S	3412.48	W	417.47	12.4	4.6	2.7	50.5	60.4	-0.0	-0.3	322.6	8.18	108.7	
04.22.2021	10:27:02	S	3412.49	W	417.26	10.0	4.6	2.1	58.4	60.3	-0.1	-0.3	321.4	8.16	108.7	
04.22.2021	10:28:02	S	3412.52	W	417.01	10.5	4.6	2.2	50.6	59.4	-0.0	-0.3	323.1	8.14	108.7	
04.22.2021	10:29:02	S	3412.53	W	416.79	14.4	4.5	3.2	55.9	60.6	-0.0	-0.3	324.3	8.18	108.7	
04.22.2021	10:30:02	S	3412.54	W	416.61	10.8	4.6	2.3	52.8	59.1	-0.0	-0.3	323.7	8.16	108.7	
04.22.2021	10:30:59	S	3412.55	W	416.34	10.8	4.6	2.3	54.7	59.8	-0.0	-0.3	322.1	8.18	108.7	
04.22.2021	10:31:59	S	3412.55	W	416.12	13.0	4.5	2.8	57.9	57.6	-0.0	-0.3	317.4	8.16	108.7	
04.22.2021	10:32:59	S	3412.56	W	415.94	7.7	4.6	1.6	51.3	61.4	-0.0	-0.2	319.7	8.18	108.7	
04.22.2021	10:33:59	S	3412.57	W	415.71	7.6	4.6	1.6	54.4	60.1	0.0	-0.2	320.6	8.14	108.7	
04.22.2021	10:34:59	S	3412.58	W	415.47	10.8	4.6	2.3	57.9	60.3	0.0	-0.2	318.7	8.18	108.7	
04.22.2021	10:35:59	S	3412.6	W	415.27	11.4	4.6	2.4	58.6	60.2	-0.0	-0.3	316.8	8.17	108.5	
04.22.2021	10:36:59	S	3412.62	W	415.03	8.9	4.5	2.0	55.6	58.6	0.0	-0.2	317.6	8.18	108.7	
04.22.2021	10:37:59	S	3412.64	W	414.8	10.0	4.6	2.1	49.5	57.9	0.0	-0.2	312.9	8.18	108.7	
04.22.2021	10:38:59	S	3412.65	W	414.59	11.9	4.5	2.6	50.5	57.8	-0.1	-0.3	320.7	8.16	108.7	
04.22.2021	10:39:59	S	3412.66	W	414.36	11.5	4.5	2.5	58.7	64.3	0.0	-0.2	320.5	8.18	108.7	
04.22.2021	10:40:55	S	3412.67	W	414.16	10.6	4.6	2.2	52.0	64.1	0.0	-0.2	321.3	8.14	108.7	
04.22.2021	10:41:55	S	3412.68	W	413.95	14.0	4.6	3.0	54.5	68.2	-0.0	-0.3	321.5	8.18	108.7	
04.22.2021	10:42:55	S	3412.7	W	413.73	10.6	4.5	2.3	49.5	68.8	0.0	-0.2	323.4	8.14	108.7	
04.22.2021	10:43:55	S	3412.71	W	413.52	11.0	4.5	2.4	52.5	66.1	-0.1	-0.3	321.1	8.18	108.7	
04.22.2021	10:44:55	S	3412.72	W	413.27	13.4	4.6	2.9	54.2	66.3	-0.1	-0.3	322.8	8.18	108.7	
04.22.2021	10:45:55	S	3412.73	W	413.11	10.7	4.6	2.3	58.8	65.5	-0.1	-0.3	323.5	8.16	108.7	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	10:46:55	S	3412.75	W	412.88	13.4	4.6	2.9	52.0	65.4	-0.1	-0.4	321.8	8.16	108.7	
04.22.2021	10:47:55	S	3412.76	W	412.65	9.6	4.6	2.0	51.3	65.2	-0.0	-0.3	321.3	8.16	108.7	
04.22.2021	10:48:55	S	3412.78	W	412.41	12.6	4.5	2.7	51.4	65.5	-0.1	-0.3	319.0	8.16	108.7	
04.22.2021	10:49:55	S	3412.79	W	412.21	13.6	4.5	3.0	53.0	65.6	0.0	-0.3	318.9	8.14	108.7	
04.22.2021	10:50:58	S	3412.81	W	411.98	10.6	4.5	2.3	53.1	64.8	-0.1	-0.3	318.8	8.18	108.7	
04.22.2021	10:51:58	S	3412.82	W	411.79	11.0	4.6	2.4	56.6	65.6	0.0	-0.2	313.1	8.16	108.7	
04.22.2021	10:52:58	S	3412.83	W	411.56	10.5	4.6	2.2	54.7	66.0	-0.1	-0.3	318.5	8.16	108.7	
04.22.2021	10:53:58	S	3412.84	W	411.35	9.9	4.6	2.1	54.8	65.5	-0.0	-0.3	314.8	8.12	108.5	
04.22.2021	10:54:58	S	3412.86	W	411.12	11.6	4.6	2.5	53.5	65.2	-0.0	-0.3	319.8	8.12	108.5	
04.22.2021	10:55:58	S	3412.87	W	410.9	11.7	4.6	2.5	51.8	64.6	-0.0	-0.3	322.1	8.16	108.7	
04.22.2021	10:56:58	S	3412.88	W	410.7	12.1	4.6	2.6	54.2	65.6	-0.0	-0.2	321.2	8.16	108.7	
04.22.2021	10:57:58	S	3412.88	W	410.51	11.0	4.6	2.3	51.9	65.6	-0.1	-0.3	321.6	8.13	108.7	
04.22.2021	10:58:58	S	3412.9	W	410.25	9.8	4.6	2.1	56.0	57.7	0.0	-0.2	324.1	8.18	108.7	
04.22.2021	10:59:58	S	3412.91	W	410.06	11.4	4.6	2.4	54.5	57.5	0.0	-0.2	322.0	8.16	108.7	
04.22.2021	11:01:01	S	3412.93	W	409.85	12.2	4.6	2.6	50.4	58.8	-0.1	-0.3	321.2	8.17	108.7	
04.22.2021	11:02:01	S	3412.94	W	409.62	12.8	4.5	2.8	53.6	57.8	-0.0	-0.3	321.0	8.16	108.7	
04.22.2021	11:03:01	S	3412.95	W	409.42	13.0	4.5	2.8	53.1	57.8	-0.1	-0.3	321.4	8.13	108.7	
04.22.2021	11:04:01	S	3412.97	W	409.19	11.6	4.6	2.5	52.4	58.4	-0.1	-0.3	317.1	8.13	108.7	
04.22.2021	11:05:01	S	3412.98	W	408.97	11.5	4.5	2.5	53.4	58.3	-0.1	-0.3	317.7	8.13	108.7	
04.22.2021	11:06:01	S	3412.99	W	408.78	13.3	4.6	2.9	48.0	57.7	-0.0	-0.3	316.0	8.16	108.7	
04.22.2021	11:07:01	S	3413.01	W	408.54	10.7	4.5	2.3	52.9	58.1	0.0	-0.2	316.1	8.13	108.7	
04.22.2021	11:08:01	S	3413.03	W	408.31	11.9	4.5	2.6	61.9	58.7	-0.0	-0.3	316.1	8.13	108.7	
04.22.2021	11:09:01	S	3413.05	W	408.12	12.3	4.6	2.7	51.8	57.7	-0.0	-0.3	314.5	8.13	108.7	
04.22.2021	11:10:01	S	3413.07	W	407.88	9.7	4.5	2.1	53.9	61.6	-0.1	-0.4	313.4	8.13	108.7	
04.22.2021	11:10:57	S	3413.08	W	407.67	9.9	4.6	2.1	49.3	60.9	-0.1	-0.3	316.4	8.13	108.7	
04.22.2021	11:11:57	S	3413.1	W	407.46	10.7	4.6	2.3	55.0	58.9	-0.1	-0.4	320.6	8.14	108.5	
04.22.2021	11:12:57	S	3413.12	W	407.24	13.0	4.5	2.8	58.3	58.2	-0.1	-0.4	318.7	8.13	108.7	
04.22.2021	11:13:57	S	3413.13	W	407.04	8.9	4.6	1.9	50.2	59.8	-0.0	-0.2	322.1	8.16	108.5	
04.22.2021	11:14:57	S	3413.14	W	406.84	11.8	4.6	2.5	45.5	60.0	-0.0	-0.2	321.3	8.16	108.5	
04.22.2021	11:15:57	S	3413.16	W	406.61	11.0	4.6	2.4	54.0	58.6	0.0	-0.2	322.4	8.13	108.7	
04.22.2021	11:16:57	S	3413.17	W	406.4	10.0	4.6	2.1	51.9	57.5	0.0	-0.2	320.9	8.13	108.7	
04.22.2021	11:17:57	S	3413.17	W	406.18	11.0	4.6	2.3	49.0	57.8	-0.1	-0.3	322.0	8.13	108.7	
04.22.2021	11:18:57	S	3413.19	W	405.96	12.0	4.6	2.6	51.4	57.9	0.1	-0.2	320.7	8.16	108.7	
04.22.2021	11:19:57	S	3413.2	W	405.76	10.0	4.6	2.1	50.2	61.7	-0.0	-0.3	322.6	8.14	108.2	
04.22.2021	11:20:55	S	3413.21	W	405.55	9.3	4.6	2.0	56.2	61.6	-0.0	-0.2	316.7	8.13	108.7	
04.22.2021	11:21:55	S	3413.23	W	405.32	12.3	4.6	2.7	50.8	61.5	-0.0	-0.3	318.2	8.16	108.7	
04.22.2021	11:22:55	S	3413.24	W	405.11	11.7	4.6	2.5	47.9	61.1	-0.0	-0.2	314.8	8.16	108.7	
04.22.2021	11:23:55	S	3413.26	W	404.91	9.2	4.5	2.0	49.9	70.4	0.0	-0.2	316.7	8.13	108.7	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	11:24:55	S	3413.27	W	404.68	11.0	4.6	2.3	52.8	67.4	-0.1	-0.3	314.1	8.13	108.7
04.22.2021	11:25:55	S	3413.28	W	404.47	12.4	4.6	2.7	52.0	67.7	-0.0	-0.3	316.6	8.16	108.5
04.22.2021	11:26:55	S	3413.3	W	404.26	11.3	4.6	2.4	58.2	67.5	0.0	-0.2	318.1	8.16	108.2
04.22.2021	11:27:55	S	3413.31	W	404.05	14.1	4.6	3.0	54.1	69.5	0.1	-0.2	320.0	8.16	108.5
04.22.2021	11:28:55	S	3413.33	W	403.84	12.7	4.6	2.7	52.6	68.9	-0.1	-0.4	322.2	8.16	108.7
04.22.2021	11:29:55	S	3413.34	W	403.63	10.6	4.6	2.2	56.5	68.5	-0.1	-0.3	320.8	8.17	108.7
04.22.2021	11:31:00	S	3413.34	W	403.42	13.1	4.6	2.8	54.6	68.2	0.0	-0.2	321.3	8.13	108.7
04.22.2021	11:32:00	S	3413.35	W	403.18	14.7	4.6	3.1	46.1	68.8	0.1	-0.2	322.5	8.13	108.7
04.22.2021	11:33:00	S	3413.37	W	403	14.1	4.5	3.1	49.5	69.1	-0.1	-0.4	322.1	8.13	108.7
04.22.2021	11:34:00	S	3413.37	W	402.81	13.6	4.6	2.9	50.6	68.6	-0.1	-0.3	321.9	8.16	108.7
04.22.2021	11:35:00	S	3413.39	W	402.59	12.5	4.6	2.7	53.3	68.9	0.0	-0.2	322.3	8.13	108.7
04.22.2021	11:36:00	S	3413.39	W	402.37	12.4	4.6	2.7	53.0	69.0	0.0	-0.2	321.0	8.13	108.7
04.22.2021	11:37:00	S	3413.4	W	402.17	10.6	4.6	2.2	56.4	70.1	-0.1	-0.3	320.9	8.16	108.7
04.22.2021	11:38:00	S	3413.41	W	401.95	9.6	4.6	2.0	51.9	70.6	-0.1	-0.3	318.8	8.13	108.7
04.22.2021	11:39:00	S	3413.43	W	401.73	13.3	4.5	2.9	52.1	69.9	0.0	-0.2	319.5	8.12	108.5
04.22.2021	11:40:00	S	3413.43	W	401.55	13.2	4.5	2.9	54.9	67.2	-0.1	-0.3	316.4	8.13	108.7
04.22.2021	11:40:55	S	3413.44	W	401.31	14.1	4.5	3.1	57.2	66.3	-0.1	-0.4	318.3	8.16	108.7
04.22.2021	11:41:55	S	3413.44	W	401.1	13.2	4.6	2.8	56.1	64.7	-0.0	-0.3	320.3	8.16	108.5
04.22.2021	11:42:55	S	3413.43	W	400.88	9.4	4.6	2.0	51.8	59.5	-0.1	-0.4	317.3	8.14	108.2
04.22.2021	11:43:55	S	3413.43	W	400.67	14.0	4.6	3.0	57.4	57.0	-0.0	-0.3	320.4	8.16	108.5
04.22.2021	11:44:55	S	3413.43	W	400.45	14.0	4.6	3.0	56.2	57.4	-0.0	-0.3	322.7	8.16	108.5
04.22.2021	11:45:55	S	3413.43	W	400.27	13.2	4.5	2.9	58.8	58.5	-0.1	-0.3	323.1	8.12	108.5
04.22.2021	11:46:55	S	3413.43	W	400.05	13.0	4.6	2.8	59.7	59.5	-0.1	-0.3	323.4	8.16	108.5
04.22.2021	11:47:55	S	3413.43	W	359.83	8.9	4.6	1.9	54.1	59.2	-0.1	-0.3	321.2	8.13	108.7
04.22.2021	11:48:55	S	3413.43	W	359.64	8.7	4.5	1.9	54.2	58.6	-0.1	-0.3	322.8	8.13	108.7
04.22.2021	11:49:55	S	3413.43	W	359.42	10.0	4.6	2.1	51.9	60.6	-0.1	-0.3	323.7	8.13	108.7
04.22.2021	11:51:00	S	3413.43	W	359.21	11.0	4.6	2.3	54.7	58.8	0.0	-0.3	321.2	8.13	108.7
04.22.2021	11:52:00	S	3413.43	W	358.99	11.7	4.6	2.5	52.4	58.4	0.0	-0.2	318.6	8.16	108.7
04.22.2021	11:53:00	S	3413.44	W	358.78	12.0	4.5	2.6	53.6	58.6	-0.1	-0.3	319.4	8.12	108.5
04.22.2021	11:54:00	S	3413.44	W	358.58	11.0	4.6	2.3	53.6	58.9	0.0	-0.3	316.3	8.12	108.5
04.22.2021	11:55:00	S	3413.44	W	358.4	10.4	4.5	2.3	53.7	60.6	-0.1	-0.3	315.9	8.13	108.7
04.22.2021	11:56:00	S	3413.44	W	358.14	12.0	4.5	2.6	51.7	57.7	-0.1	-0.3	315.4	8.15	108.3
04.22.2021	11:57:00	S	3413.44	W	357.93	11.9	4.6	2.6	50.8	64.2	-0.1	-0.3	318.0	8.16	108.2
04.22.2021	11:58:00	S	3413.44	W	357.74	10.0	4.6	2.1	53.3	64.2	-0.1	-0.3	313.6	8.15	108.1
04.22.2021	11:59:00	S	3413.44	W	357.52	11.4	4.6	2.5	54.2	64.1	-0.1	-0.3	315.4	8.12	108.5
04.22.2021	12:00:00	S	3413.45	W	357.32	14.0	4.6	3.0	53.8	64.9	0.1	-0.2	319.0	8.13	108.7
04.22.2021	12:00:57	S	3413.45	W	357.09	12.6	4.5	2.7	55.5	65.8	-0.0	-0.3	322.4	8.16	108.2
04.22.2021	12:01:57	S	3413.45	W	356.91	9.6	4.6	2.1	53.3	65.5	-0.0	-0.3	322.5	8.12	108.5

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	12:02:57	S	3413.44	W	356.67	12.3	4.6	2.7	51.8	65.2	0.1	-0.2	322.7	8.17	108.4
04.22.2021	12:03:57	S	3413.44	W	356.49	12.4	4.6	2.7	53.0	65.5	0.0	-0.2	322.4	8.16	108.2
04.22.2021	12:04:57	S	3413.45	W	356.26	11.7	4.5	2.5	53.0	66.6	-0.0	-0.3	321.9	8.16	108.2
04.22.2021	12:05:57	S	3413.45	W	356.02	12.4	4.5	2.7	52.6	66.7	-0.0	-0.2	320.0	8.15	108.3
04.22.2021	12:06:57	S	3413.45	W	355.83	10.1	4.6	2.1	57.1	66.9	-0.1	-0.3	322.1	8.17	108.4
04.22.2021	12:07:57	S	3413.46	W	355.63	13.0	4.6	2.8	47.5	64.9	0.0	-0.2	318.4	8.15	108.3
04.22.2021	12:08:57	S	3413.47	W	355.42	12.3	4.6	2.7	48.6	57.5	0.0	-0.2	321.0	8.15	108.1
04.22.2021	12:09:57	S	3413.47	W	355.19	12.2	4.5	2.6	50.3	57.9	-0.1	-0.3	315.0	8.12	108.5
04.22.2021	12:11:03	S	3413.47	W	354.99	12.0	4.6	2.6	54.6	57.7	-0.0	-0.3	321.6	8.14	108.2
04.22.2021	12:12:03	S	3413.47	W	354.8	12.4	4.6	2.7	51.2	57.2	-0.1	-0.3	312.6	8.13	108.3
04.22.2021	12:13:03	S	3413.47	W	354.56	14.1	4.6	3.0	49.4	56.6	-0.1	-0.3	316.4	8.15	108.3
04.22.2021	12:14:03	S	3413.47	W	354.34	11.0	4.6	2.3	49.4	57.5	-0.1	-0.3	317.6	8.16	108.2
04.22.2021	12:15:03	S	3413.48	W	354.15	11.0	4.6	2.3	51.3	57.9	-0.0	-0.3	320.2	8.13	108.7
04.22.2021	12:16:03	S	3413.48	W	353.95	14.0	4.6	3.0	50.5	57.1	-0.0	-0.3	319.1	8.15	108.5
04.22.2021	12:17:03	S	3413.48	W	353.72	10.6	4.6	2.2	52.9	58.4	-0.0	-0.3	321.9	8.16	108.7
04.22.2021	12:18:03	S	3413.49	W	353.51	9.3	4.5	2.1	54.3	58.6	-0.1	-0.3	322.3	8.16	108.2
04.22.2021	12:19:03	S	3413.49	W	353.34	10.5	4.5	2.3	55.2	59.0	-0.0	-0.3	323.2	8.13	108.7
04.22.2021	12:20:03	S	3413.49	W	353.08	9.6	4.5	2.1	52.7	58.7	-0.0	-0.3	323.6	8.12	108.5
04.22.2021	12:21:00	S	3413.49	W	352.87	11.4	4.6	2.4	50.8	59.0	0.0	-0.3	322.6	8.16	108.7
04.22.2021	12:22:00	S	3413.49	W	352.66	13.4	4.6	2.9	55.2	59.4	-0.0	-0.2	322.2	8.15	108.3
04.22.2021	12:23:00	S	3413.49	W	352.46	8.2	4.6	1.7	58.9	59.5	-0.0	-0.3	322.1	8.17	108.1
04.22.2021	12:24:00	S	3413.49	W	352.27	14.5	4.6	3.1	52.5	58.2	-0.0	-0.3	322.8	8.16	108.5
04.22.2021	12:25:00	S	3413.5	W	352.05	9.4	4.5	2.0	56.4	58.3	-0.1	-0.3	320.5	8.17	108.4
04.22.2021	12:26:00	S	3413.51	W	351.85	11.2	4.6	2.4	53.6	59.3	-0.0	-0.3	319.0	8.12	108.0
04.22.2021	12:27:00	S	3413.51	W	351.64	12.5	4.6	2.7	54.1	59.0	-0.1	-0.3	316.5	8.14	107.9
04.22.2021	12:28:00	S	3413.52	W	351.42	8.0	4.5	1.7	49.6	58.1	-0.0	-0.3	316.0	8.16	108.2
04.22.2021	12:29:00	S	3413.52	W	351.24	11.0	4.5	2.4	54.6	58.5	0.0	-0.2	315.7	8.18	107.6
04.22.2021	12:30:00	S	3413.53	W	351.01	12.6	4.6	2.7	56.2	58.6	-0.1	-0.3	312.5	8.12	108.5
04.22.2021	12:30:57	S	3413.54	W	350.8	12.2	4.5	2.7	51.7	57.9	-0.1	-0.3	318.0	8.16	108.7
04.22.2021	12:31:57	S	3413.54	W	350.56	12.0	4.5	2.6	50.3	59.5	-0.1	-0.4	320.4	8.13	108.4
04.22.2021	12:32:57	S	3413.54	W	350.35	7.8	4.5	1.7	55.6	59.3	-0.1	-0.3	323.7	8.15	108.5
04.22.2021	12:33:57	S	3413.54	W	350.14	11.8	4.6	2.6	57.6	68.1	0.0	-0.2	321.5	8.14	107.6
04.22.2021	12:34:57	S	3413.54	W	349.91	14.0	4.6	3.0	62.2	67.7	-0.1	-0.3	323.0	8.15	107.9
04.22.2021	12:35:57	S	3413.54	W	349.74	13.4	4.5	2.9	56.6	65.3	-0.0	-0.3	323.4	8.15	107.9
04.22.2021	12:36:57	S	3413.54	W	349.51	11.5	4.6	2.5	57.9	65.3	-0.0	-0.2	323.0	8.15	107.9
04.22.2021	12:37:57	S	3413.55	W	349.29	11.8	4.6	2.5	54.6	65.5	0.0	-0.2	321.5	8.15	107.9
04.22.2021	12:38:57	S	3413.56	W	349.05	7.1	4.6	1.5	51.3	65.8	-0.1	-0.3	321.6	8.15	107.9
04.22.2021	12:39:57	S	3413.57	W	348.86	9.0	4.5	1.9	51.8	64.9	-0.2	-0.4	319.4	8.17	107.9

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	12:41:00	S	3413.57	W	348.65	11.0	4.5	2.4	56.4	65.9	-0.1	-0.3	319.4	8.17	107.9	
04.22.2021	12:42:00	S	3413.58	W	348.42	11.6	4.6	2.5	55.3	66.5	-0.1	-0.3	316.8	8.15	107.9	
04.22.2021	12:43:00	S	3413.6	W	348.23	12.6	4.5	2.7	57.4	66.0	-0.1	-0.3	313.8	8.15	107.9	
04.22.2021	12:44:00	S	3413.62	W	348.02	11.7	4.5	2.5	58.9	66.1	-0.1	-0.3	316.3	8.16	108.2	
04.22.2021	12:45:00	S	3413.64	W	347.81	14.2	4.5	3.1	51.7	67.2	-0.1	-0.3	314.2	8.14	107.9	
04.22.2021	12:46:00	S	3413.65	W	347.6	9.6	4.5	2.1	52.9	66.6	-0.0	-0.2	314.0	8.17	107.7	
04.22.2021	12:47:00	S	3413.66	W	347.37	9.1	4.6	1.9	55.2	67.1	0.0	-0.2	318.7	8.17	107.9	
04.22.2021	12:48:00	S	3413.67	W	347.17	9.0	4.6	1.9	56.6	67.5	0.0	-0.2	321.6	8.16	108.2	
04.22.2021	12:49:00	S	3413.68	W	346.95	9.6	4.6	2.0	56.6	66.4	-0.1	-0.3	322.5	8.18	107.6	
04.22.2021	12:50:00	S	3413.69	W	346.73	13.6	4.6	2.9	56.9	67.1	-0.1	-0.3	321.4	8.15	108.3	
04.22.2021	12:51:00	S	3413.7	W	346.52	11.4	4.5	2.5	50.8	67.1	0.1	-0.2	321.6	8.13	108.2	
04.22.2021	12:52:00	S	3413.72	W	346.31	9.1	4.6	1.9	52.8	67.3	-0.1	-0.3	321.7	8.14	107.9	
04.22.2021	12:53:00	S	3413.73	W	346.11	13.6	4.6	2.9	56.3	58.9	-0.1	-0.3	322.4	8.15	108.3	
04.22.2021	12:54:00	S	3413.75	W	345.86	8.7	4.6	1.8	54.4	62.3	-0.1	-0.3	322.7	8.12	108.2	
04.22.2021	12:55:00	S	3413.77	W	345.67	11.0	4.5	2.4	54.3	61.7	-0.0	-0.3	323.3	8.14	108.1	
04.22.2021	12:56:00	S	3413.79	W	345.44	13.0	4.5	2.8	53.7	61.8	-0.0	-0.3	320.2	8.18	108.4	
04.22.2021	12:57:00	S	3413.8	W	345.23	14.7	4.5	3.2	53.4	61.5	0.1	-0.2	318.4	8.14	107.9	
04.22.2021	12:58:00	S	3413.82	W	345.02	9.7	4.6	2.0	57.0	59.4	-0.1	-0.2	319.1	8.14	107.6	
04.22.2021	12:59:00	S	3413.83	W	344.79	8.1	4.6	1.7	52.7	58.8	-0.1	-0.4	313.9	8.14	108.0	
04.22.2021	13:00:00	S	3413.84	W	344.59	13.6	4.5	3.0	54.2	59.2	-0.1	-0.3	316.6	8.12	108.2	
04.22.2021	13:00:54	S	3413.86	W	344.39	10.0	4.6	2.1	49.8	58.4	-0.1	-0.3	312.5	8.13	108.0	
04.22.2021	13:01:54	S	3413.88	W	344.14	10.4	4.5	2.3	51.3	58.7	-0.1	-0.3	315.5	8.13	108.2	
04.22.2021	13:02:54	S	3413.9	W	343.94	10.4	4.5	2.3	52.3	57.8	-0.1	-0.3	322.1	8.14	108.0	
04.22.2021	13:03:54	S	3413.91	W	343.72	9.4	4.5	2.1	53.1	57.7	-0.1	-0.3	323.4	8.14	108.0	
04.22.2021	13:04:54	S	3413.93	W	343.52	10.5	4.6	2.2	54.7	60.0	-0.1	-0.3	321.9	8.16	108.2	
04.22.2021	13:05:54	S	3413.94	W	343.28	11.7	4.5	2.5	52.7	58.4	0.0	-0.2	320.8	8.12	108.2	
04.22.2021	13:06:54	S	3413.95	W	343.09	12.2	4.6	2.6	49.7	58.4	-0.1	-0.3	323.1	8.16	108.1	
04.22.2021	13:07:54	S	3413.97	W	342.88	11.5	4.6	2.5	55.8	58.5	-0.0	-0.3	320.9	8.14	107.6	
04.22.2021	13:08:54	S	3413.99	W	342.65	11.7	4.6	2.5	54.9	58.4	-0.1	-0.3	323.5	8.18	108.1	
04.22.2021	13:09:54	S	3414	W	342.46	12.4	4.6	2.7	55.3	60.0	-0.0	-0.3	322.4	8.14	107.6	
04.22.2021	13:10:54	S	3414.02	W	342.24	12.0	4.6	2.6	49.6	59.2	0.0	-0.2	322.0	8.17	107.7	
04.22.2021	13:11:54	S	3414.05	W	342.01	15.2	4.6	3.2	53.0	60.0	-0.1	-0.3	321.4	8.14	107.6	
04.22.2021	13:12:54	S	3414.07	W	341.81	9.5	4.5	2.1	50.2	58.5	-0.1	-0.4	320.2	8.15	107.9	
04.22.2021	13:13:54	S	3414.09	W	341.62	12.0	4.5	2.6	50.6	58.0	-0.1	-0.3	317.6	8.17	107.9	
04.22.2021	13:14:54	S	3414.1	W	341.4	10.2	4.5	2.2	58.0	58.4	-0.1	-0.3	316.1	8.17	108.2	
04.22.2021	13:15:54	S	3414.12	W	341.17	9.8	4.6	2.1	54.9	59.1	-0.1	-0.3	317.2	8.13	107.7	
04.22.2021	13:16:54	S	3414.13	W	340.97	11.6	4.5	2.5	56.5	64.4	-0.1	-0.3	318.5	8.14	108.0	
04.22.2021	13:17:54	S	3414.14	W	340.77	9.8	4.6	2.1	59.5	64.8	-0.1	-0.3	317.9	8.15	108.1	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	13:18:54	S	3414.15	W	340.53	10.2	4.6	2.1	51.6	64.7	-0.0	-0.3	314.3	8.12	108.0	
04.22.2021	13:19:54	S	3414.18	W	340.29	9.7	4.6	2.0	53.0	63.7	-0.0	-0.3	320.8	8.12	108.2	
04.22.2021	13:20:58	S	3414.2	W	340.1	11.7	4.5	2.5	49.6	64.2	-0.0	-0.3	320.7	8.16	108.2	
04.22.2021	13:21:58	S	3414.22	W	339.91	12.2	4.5	2.6	51.3	65.0	-0.1	-0.3	322.5	8.16	108.7	
04.22.2021	13:22:58	S	3414.23	W	339.67	11.8	4.5	2.6	52.7	65.2	-0.0	-0.3	322.7	8.16	108.7	
04.22.2021	13:23:58	S	3414.23	W	339.47	12.5	4.6	2.7	55.0	65.6	-0.1	-0.3	322.3	8.14	108.1	
04.22.2021	13:24:58	S	3414.24	W	339.23	10.5	4.6	2.2	58.1	65.6	-0.1	-0.3	322.3	8.18	108.3	
04.22.2021	13:25:58	S	3414.26	W	339.05	10.6	4.6	2.2	60.1	66.9	-0.0	-0.2	321.2	8.18	108.3	
04.22.2021	13:26:58	S	3414.27	W	338.81	11.5	4.5	2.5	50.2	66.2	-0.1	-0.3	319.5	8.14	108.0	
04.22.2021	13:27:58	S	3414.28	W	338.61	12.2	4.5	2.6	52.7	69.7	0.0	-0.2	319.6	8.14	108.2	
04.22.2021	13:28:58	S	3414.28	W	338.4	11.7	4.5	2.5	54.6	70.0	-0.1	-0.4	318.0	8.18	108.3	
04.22.2021	13:29:58	S	3414.29	W	338.2	12.8	4.6	2.8	60.5	69.1	-0.1	-0.3	317.3	8.12	108.2	
04.22.2021	13:31:02	S	3414.3	W	337.98	8.9	4.6	1.9	56.7	66.6	0.0	-0.2	314.5	8.18	108.4	
04.22.2021	13:32:02	S	3414.31	W	337.77	11.5	4.5	2.5	53.1	67.2	0.1	-0.2	313.2	8.13	108.3	
04.22.2021	13:33:02	S	3414.32	W	337.57	9.8	4.5	2.2	56.4	65.8	0.0	-0.2	316.0	8.15	108.4	
04.22.2021	13:34:02	S	3414.33	W	337.36	9.6	4.6	2.0	49.8	65.2	0.0	-0.3	318.3	8.17	108.5	
04.22.2021	13:35:02	S	3414.34	W	337.16	10.5	4.5	2.3	55.1	64.6	-0.1	-0.3	313.4	8.18	108.7	
04.22.2021	13:36:02	S	3414.34	W	336.95	12.2	4.5	2.7	55.6	64.2	0.0	-0.2	320.8	8.17	108.3	
04.22.2021	13:37:02	S	3414.34	W	336.72	11.2	4.5	2.4	53.7	57.9	-0.1	-0.3	322.5	8.15	108.3	
04.22.2021	13:38:02	S	3414.33	W	336.51	9.6	4.6	2.0	59.1	57.8	-0.0	-0.3	322.6	8.13	108.3	
04.22.2021	13:39:02	S	3414.33	W	336.32	12.4	4.6	2.7	53.7	58.4	-0.1	-0.3	323.0	8.17	108.5	
04.22.2021	13:40:02	S	3414.34	W	336.11	12.0	4.5	2.6	54.8	57.8	0.0	-0.2	320.5	8.15	108.5	
04.22.2021	13:41:02	S	3414.34	W	335.88	9.5	4.5	2.1	49.2	57.7	-0.1	-0.3	322.2	8.16	108.2	
04.22.2021	13:42:02	S	3414.34	W	335.67	11.0	4.5	2.4	54.5	58.9	-0.1	-0.4	320.3	8.17	108.3	
04.22.2021	13:43:02	S	3414.34	W	335.45	11.5	4.5	2.5	57.3	58.1	0.1	-0.2	322.6	8.16	108.2	
04.22.2021	13:44:02	S	3414.34	W	335.23	11.5	4.5	2.5	55.1	58.7	-0.0	-0.3	318.8	8.13	108.1	
04.22.2021	13:45:02	S	3414.34	W	335.05	13.2	4.6	2.8	50.3	58.1	-0.0	-0.3	321.2	8.17	108.2	
04.22.2021	13:46:02	S	3414.35	W	334.82	12.5	4.5	2.7	51.1	58.4	0.0	-0.3	315.8	8.15	108.2	
04.22.2021	13:47:02	S	3414.35	W	334.6	10.7	4.5	2.3	54.9	61.1	-0.0	-0.3	317.3	8.13	108.0	
04.22.2021	13:48:02	S	3414.34	W	334.38	11.7	4.5	2.6	54.8	61.3	-0.1	-0.3	314.2	8.18	107.6	
04.22.2021	13:49:02	S	3414.34	W	334.17	11.0	4.5	2.4	51.6	62.1	-0.1	-0.3	317.0	8.17	108.3	
04.22.2021	13:50:02	S	3414.34	W	333.96	10.4	4.5	2.3	49.5	61.5	0.0	-0.3	317.9	8.15	108.5	
04.22.2021	13:50:59	S	3414.34	W	333.94	8.4	3.2	1.8	51.3	50.9	-0.2	-0.3	-0.0	0.00	0.0	
04.22.2021	13:51:59	S	3414.35	W	333.54	15.9	0.3	12.0	52.6	52.7	-0.1	-0.4	-0.1	8.17	108.2	
04.22.2021	13:52:59	S	3414.35	W	333.33	16.0	3.3	4.8	60.4	52.1	0.0	-0.2	0.1	8.18	108.0	
04.22.2021	13:53:59	S	3414.34	W	333.12	16.0	2.3	7.0	59.1	71.2	-0.1	-0.3	543.5	8.13	108.7	
04.22.2021	13:54:59	S	3414.34	W	332.92	17.1	1.0	16.6	60.2	60.2	-0.1	-0.3	329.4	8.15	108.0	
04.22.2021	13:55:59	S	3414.35	W	332.7	10.3	0.0	0.0	49.4	71.5	-0.1	-0.3	460.7	8.16	108.2	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	13:56:59	S	3414.35	W	332.7	15.1	3.4	4.4	49.8	73.2	0.0	-0.2	542.9	8.15	108.2
04.22.2021	13:57:59	S	3414.35	W	332.27	12.6	4.0	3.1	55.1	73.4	-0.1	-0.3	545.6	8.16	108.2
04.22.2021	13:58:59	S	3414.35	W	332.23	6.0	1.6	1.8	51.8	49.7	0.0	-0.2	0.1	8.18	108.1
04.22.2021	13:59:59	S	3414.36	W	331.87	11.7	2.6	4.5	51.2	50.9	-0.1	-0.3	-0.2	8.14	108.1
04.22.2021	14:00:54	S	3414.36	W	331.8	14.6	2.4	6.1	62.8	57.7	-0.1	-0.4	-0.1	8.13	107.9
04.22.2021	14:01:54	S	3414.36	W	331.46	14.3	1.2	11.8	54.7	58.1	0.0	-0.3	0.1	8.14	107.6
04.22.2021	14:02:54	S	3414.36	W	331.24	13.2	0.1	4.7	51.9	58.4	-0.1	-0.3	-0.1	8.13	108.7
04.22.2021	14:03:54	S	3414.36	W	331.03	7.6	0.0	0.0	54.3	57.6	0.0	-0.3	0.0	8.13	108.0
04.22.2021	14:04:54	S	3414.37	W	330.91	16.4	0.0	0.0	53.4	63.6	-0.1	-0.3	-0.0	0.00	0.0
04.22.2021	14:05:54	S	3414.38	W	330.62	18.8	0.0	0.0	53.7	65.0	-0.1	-0.3	-0.0	8.18	107.9
04.22.2021	14:06:54	S	3414.38	W	330.39	18.1	0.0	0.0	51.9	64.4	-0.1	-0.3	-0.2	8.18	107.9
04.22.2021	14:07:54	S	3414.39	W	330.2	21.0	0.0	0.0	50.5	64.1	-0.1	-0.3	-0.0	8.18	107.9
04.22.2021	14:08:54	S	3414.39	W	330.12	19.9	0.0	0.0	48.5	64.7	-0.0	-0.2	0.0	8.15	107.6
04.22.2021	14:09:54	S	3414.4	W	329.78	5.6	0.0	0.0	49.9	61.1	-0.0	-0.3	-0.0	0.00	0.0
04.22.2021	14:10:54	S	3414.4	W	329.78	20.4	0.0	0.0	55.5	62.7	-0.1	-0.3	-0.2	8.18	107.9
04.22.2021	14:11:54	S	3414.4	W	329.4	11.0	0.0	0.0	56.6	65.9	-0.0	-0.3	-0.1	8.14	107.7
04.22.2021	14:12:54	S	3414.4	W	329.4	16.9	0.0	0.0	50.2	63.4	0.0	-0.2	0.1	8.16	107.7
04.22.2021	14:13:54	S	3414.42	W	329.02	17.2	0.0	0.0	54.2	55.5	-0.1	-0.3	0.0	0.00	0.0
04.22.2021	14:14:54	S	3414.42	W	329.02	23.0	0.0	0.0	53.5	61.5	-0.1	-0.3	-0.1	8.17	108.2
04.22.2021	14:15:54	S	3414.42	W	328.65	20.3	0.0	0.0	54.2	57.2	-0.1	-0.3	-0.1	8.15	108.0
04.22.2021	14:16:54	S	3414.42	W	328.24	21.0	0.0	0.0	53.8	57.8	-0.0	-0.3	-0.1	8.13	108.0
04.22.2021	14:17:54	S	3414.42	W	328.03	22.7	0.0	0.0	54.8	55.0	-0.1	-0.3	-0.0	8.16	107.9
04.22.2021	14:20:13	S	3414.42	W	327.95	5.1	0.0	0.0	60.1	53.4	-0.1	-0.3	0.0	0.00	0.0
04.22.2021	14:21:13	S	3414.44	W	327.33	19.8	0.0	0.0	51.4	54.2	-0.1	-0.3	-0.1	8.16	107.9
04.22.2021	14:22:13	S	3414.44	W	327.29	0.0	0.0	0.0	55.9	52.4	-0.1	-0.3	0.0	0.00	0.0
04.22.2021	14:23:13	S	3414.44	W	326.91	21.5	0.0	0.0	55.1	53.6	0.0	-0.2	0.0	8.18	107.9
04.22.2021	14:24:13	S	3414.44	W	326.69	22.1	0.0	0.0	55.5	53.8	-0.1	-0.3	-0.1	8.18	107.9
04.22.2021	14:25:13	S	3414.45	W	326.48	22.4	0.0	0.0	54.6	53.6	-0.1	-0.3	0.0	8.15	107.6
04.22.2021	14:26:13	S	3414.45	W	326.25	24.0	0.0	0.0	51.9	54.9	-0.0	-0.3	-0.1	8.15	107.6
04.22.2021	14:28:46	S	3414.46	W	326.12	19.2	0.0	0.0	53.7	54.2	-0.1	-0.3	0.1	8.15	107.6
04.22.2021	14:29:46	S	3414.46	W	325.51	20.3	0.0	0.0	52.9	54.0	-0.0	-0.2	-0.1	8.15	108.0
04.22.2021	14:30:46	S	3414.46	W	325.29	17.3	0.0	0.0	59.5	67.9	-0.0	-0.3	545.2	8.15	107.6
04.22.2021	14:31:46	S	3414.46	W	325.07	21.9	0.0	0.0	53.9	55.9	-0.0	-0.3	300.0	8.17	108.7
04.22.2021	14:32:46	S	3414.47	W	324.84	19.0	1.3	14.9	55.5	57.6	0.0	-0.2	321.2	8.16	108.7
04.22.2021	14:33:46	S	3414.48	W	324.64	12.4	4.4	2.8	54.3	69.0	-0.0	-0.3	543.4	8.16	108.7
04.22.2021	14:34:46	S	3414.48	W	324.45	13.9	4.5	3.1	51.4	58.9	0.0	-0.2	321.5	8.16	108.7
04.22.2021	14:35:46	S	3414.49	W	324.24	10.0	4.5	2.2	57.5	58.6	-0.1	-0.3	319.2	8.13	108.7
04.22.2021	14:36:46	S	3414.49	W	324	11.6	4.6	2.5	58.4	57.6	0.0	-0.2	323.0	8.13	108.7

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	14:37:46	S	3414.5	W	323.82	14.3	4.5	3.2	55.1	58.2	-0.0	-0.3	322.4	8.17	108.4	
04.22.2021	14:38:46	S	3414.51	W	323.72	11.6	4.5	2.5	54.9	57.4	-0.0	-0.2	313.2	8.13	108.7	
04.22.2021	14:39:46	S	3414.51	W	323.37	13.9	4.5	3.0	57.5	57.4	0.0	-0.2	315.1	8.16	108.7	
04.22.2021	14:40:46	S	3414.51	W	323.16	15.5	4.6	3.3	55.7	57.3	-0.0	-0.3	316.7	8.17	108.4	
04.22.2021	14:41:46	S	3414.52	W	322.97	11.8	4.6	2.5	54.2	57.3	-0.1	-0.3	321.8	8.14	108.2	
04.22.2021	14:42:46	S	3414.53	W	322.77	13.0	4.5	2.8	55.2	58.1	-0.0	-0.3	321.0	8.16	108.5	
04.22.2021	14:43:46	S	3414.54	W	322.55	13.3	4.5	2.9	54.6	58.0	-0.1	-0.4	321.8	8.18	107.9	
04.22.2021	14:44:46	S	3414.55	W	322.34	14.0	4.5	3.1	60.3	60.8	-0.0	-0.3	323.0	8.14	108.2	
04.22.2021	14:45:46	S	3414.56	W	322.11	10.1	4.5	2.2	60.8	59.9	-0.0	-0.3	321.8	8.12	108.5	
04.22.2021	14:46:46	S	3414.56	W	321.92	14.0	4.5	3.1	54.9	60.0	-0.0	-0.2	322.7	8.18	108.1	
04.22.2021	14:47:46	S	3414.59	W	321.68	12.2	4.6	2.6	52.8	58.7	-0.1	-0.3	320.6	8.17	108.4	
04.22.2021	14:48:51	S	3414.61	W	321.46	13.5	4.4	3.0	53.1	58.7	-0.1	-0.3	323.0	8.13	108.4	
04.22.2021	14:49:51	S	3414.63	W	321.27	14.6	4.5	3.2	56.8	59.0	-0.1	-0.3	320.4	8.13	108.4	
04.22.2021	14:50:51	S	3414.65	W	321.06	14.9	4.6	3.2	50.4	59.0	-0.0	-0.2	318.7	8.13	108.7	
04.22.2021	14:51:51	S	3414.67	W	320.85	13.3	4.5	2.9	56.2	57.8	-0.1	-0.3	318.6	8.13	108.7	
04.22.2021	14:52:51	S	3414.69	W	320.63	10.9	4.5	2.4	55.5	58.4	0.1	-0.3	317.4	8.13	108.7	
04.22.2021	14:53:51	S	3414.71	W	320.42	13.6	4.5	3.0	55.8	58.1	-0.2	-0.5	314.0	8.13	108.7	
04.22.2021	14:54:51	S	3414.74	W	320.18	14.6	4.5	3.2	52.6	57.2	-0.1	-0.3	315.2	8.13	108.7	
04.22.2021	14:55:51	S	3414.76	W	319.98	13.9	4.5	3.0	53.2	57.1	-0.1	-0.4	318.4	8.13	108.7	
04.22.2021	14:56:51	S	3414.78	W	319.77	12.8	4.5	2.8	53.7	63.6	-0.1	-0.4	319.7	8.13	108.7	
04.22.2021	14:57:51	S	3414.8	W	319.56	9.6	4.5	2.1	54.0	64.8	-0.0	-0.3	318.1	8.13	108.7	
04.22.2021	14:58:50	S	3414.83	W	319.35	11.5	4.5	2.5	56.3	65.1	0.1	-0.2	322.1	8.13	108.7	
04.22.2021	14:59:50	S	3414.85	W	319.15	13.3	4.5	2.9	53.7	66.1	-0.0	-0.3	321.6	8.13	108.7	
04.22.2021	15:00:50	S	3414.87	W	318.91	10.9	4.5	2.4	49.8	67.8	-0.0	-0.3	323.4	8.13	108.7	
04.22.2021	15:01:50	S	3414.9	W	318.69	13.7	4.6	3.0	53.6	67.8	-0.0	-0.2	322.4	8.13	108.7	
04.22.2021	15:02:50	S	3414.92	W	318.5	12.1	4.5	2.7	56.6	67.4	-0.1	-0.3	323.1	8.16	108.7	
04.22.2021	15:03:50	S	3414.94	W	318.28	14.8	4.5	3.3	59.5	66.3	-0.1	-0.3	318.9	8.13	108.7	
04.22.2021	15:04:50	S	3414.96	W	318.05	14.6	4.5	3.2	59.4	65.4	-0.1	-0.4	322.0	8.13	108.7	
04.22.2021	15:05:50	S	3414.98	W	317.85	11.3	4.5	2.5	51.3	65.1	0.0	-0.2	316.3	8.13	108.7	
04.22.2021	15:06:50	S	3415.01	W	317.62	12.0	4.5	2.6	54.5	65.3	0.0	-0.2	321.4	8.13	108.7	
04.22.2021	15:07:50	S	3415.03	W	317.4	13.6	4.5	3.0	59.6	64.2	-0.1	-0.4	318.4	8.13	108.7	
04.22.2021	15:08:54	S	3415.03	W	317.21	11.9	4.5	2.6	60.0	64.3	-0.1	-0.3	317.5	8.18	108.7	
04.22.2021	15:09:54	S	3415.04	W	316.99	8.6	4.5	1.9	56.2	64.2	-0.1	-0.4	313.1	8.13	108.7	
04.22.2021	15:10:54	S	3415.04	W	316.75	14.4	4.5	3.2	62.1	65.2	-0.1	-0.3	316.3	8.13	108.7	
04.22.2021	15:11:54	S	3415.05	W	316.57	12.1	4.5	2.6	55.3	65.0	0.1	-0.2	316.4	8.16	108.7	
04.22.2021	15:12:54	S	3415.07	W	316.35	10.3	4.5	2.3	55.9	65.3	-0.1	-0.4	323.5	8.16	108.7	
04.22.2021	15:13:54	S	3415.09	W	316.13	10.7	4.5	2.3	55.4	65.1	-0.1	-0.3	322.8	8.16	108.7	
04.22.2021	15:14:54	S	3415.11	W	315.93	12.4	4.5	2.7	57.8	64.8	-0.0	-0.3	324.5	8.13	108.7	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	15:15:54	S	3415.12	W	315.7	7.9	4.5	1.7	51.1	57.7	-0.1	-0.3	322.3	8.13	108.7	
04.22.2021	15:16:54	S	3415.13	W	315.5	11.7	4.5	2.5	55.9	57.7	-0.0	-0.3	323.8	8.16	108.7	
04.22.2021	15:17:54	S	3415.14	W	315.27	11.8	4.5	2.6	54.2	57.8	-0.1	-0.3	321.9	8.16	108.7	
04.22.2021	15:18:53	S	3415.15	W	315.09	9.9	4.5	2.2	54.7	57.9	0.0	-0.3	322.5	8.14	108.7	
04.22.2021	15:19:53	S	3415.17	W	314.87	11.5	4.5	2.5	53.9	58.4	-0.0	-0.2	323.9	8.13	108.7	
04.22.2021	15:20:53	S	3415.19	W	314.66	16.0	4.5	3.5	49.6	58.3	-0.1	-0.3	325.1	8.16	108.7	
04.22.2021	15:21:53	S	3415.2	W	314.43	12.5	4.4	2.8	51.5	57.6	-0.1	-0.4	322.4	8.16	108.7	
04.22.2021	15:22:53	S	3415.21	W	314.23	9.2	4.5	2.0	50.7	58.5	-0.1	-0.3	318.6	8.18	108.7	
04.22.2021	15:23:53	S	3415.22	W	314	12.1	4.5	2.6	52.1	58.5	-0.1	-0.3	316.9	8.16	108.7	
04.22.2021	15:24:53	S	3415.23	W	313.8	11.3	4.5	2.5	48.7	58.1	0.0	-0.2	316.8	8.16	108.7	
04.22.2021	15:25:53	S	3415.25	W	313.61	10.1	4.5	2.2	53.9	58.2	0.1	-0.2	317.0	8.16	108.7	
04.22.2021	15:26:53	S	3415.26	W	313.38	10.6	4.5	2.3	57.5	58.4	0.0	-0.2	317.8	8.13	108.7	
04.22.2021	15:27:53	S	3415.26	W	313.16	12.4	4.5	2.7	49.9	57.9	-0.1	-0.2	318.0	8.13	108.7	
04.22.2021	15:28:47	S	3415.27	W	312.94	13.5	4.6	2.9	54.5	57.6	-0.1	-0.3	318.9	8.16	108.7	
04.22.2021	15:29:48	S	3415.29	W	312.69	9.6	4.5	2.1	50.3	56.6	-0.0	-0.2	322.1	8.13	108.7	
04.22.2021	15:30:48	S	3415.31	W	312.49	10.8	4.5	2.3	48.9	57.7	-0.0	-0.3	322.1	8.13	108.7	
04.22.2021	15:31:48	S	3415.32	W	312.3	14.5	4.5	3.2	51.4	59.6	-0.0	-0.4	321.3	8.16	108.7	
04.22.2021	15:32:48	S	3415.34	W	312.07	13.5	4.5	3.0	57.5	58.7	-0.0	-0.3	321.4	8.16	108.7	
04.22.2021	15:33:48	S	3415.34	W	311.87	12.3	4.5	2.7	57.3	57.8	-0.1	-0.3	322.1	8.16	108.7	
04.22.2021	15:34:48	S	3415.35	W	311.63	10.7	4.5	2.4	56.6	58.0	0.0	-0.2	322.5	8.13	108.7	
04.22.2021	15:35:48	S	3415.36	W	311.4	15.7	4.5	3.4	52.1	58.6	-0.1	-0.3	321.1	8.16	108.7	
04.22.2021	15:36:48	S	3415.38	W	311.21	11.1	4.5	2.4	50.1	62.5	-0.1	-0.3	320.3	8.13	108.7	
04.22.2021	15:37:48	S	3415.39	W	310.98	10.3	4.5	2.3	48.0	62.6	0.0	-0.3	318.9	8.13	108.7	
04.22.2021	15:38:50	S	3415.4	W	310.77	9.2	4.5	2.0	51.7	62.3	-0.1	-0.3	319.2	8.13	108.7	
04.22.2021	15:39:50	S	3415.4	W	310.53	13.0	4.5	2.8	54.4	61.8	-0.0	-0.3	315.9	8.16	108.7	
04.22.2021	15:40:50	S	3415.41	W	310.33	13.8	4.5	3.0	49.5	68.0	-0.1	-0.3	314.9	8.16	108.7	
04.22.2021	15:41:50	S	3415.41	W	310.09	13.1	4.5	2.8	48.5	67.9	0.0	-0.2	318.0	8.16	108.7	
04.22.2021	15:42:50	S	3415.42	W	309.88	11.4	4.5	2.5	54.8	69.0	-0.0	-0.2	316.1	8.16	108.7	
04.22.2021	15:43:50	S	3415.42	W	309.65	11.4	4.5	2.5	52.7	69.8	-0.1	-0.3	317.5	8.16	108.7	
04.22.2021	15:44:50	S	3415.43	W	309.46	10.8	4.5	2.4	58.9	68.3	-0.1	-0.3	316.7	8.16	108.7	
04.22.2021	15:45:50	S	3415.43	W	309.23	9.9	4.5	2.2	52.3	70.1	0.1	-0.2	323.3	8.16	108.7	
04.22.2021	15:46:50	S	3415.43	W	308.99	11.7	4.5	2.5	55.9	70.6	-0.1	-0.3	321.6	8.18	108.7	
04.22.2021	15:47:50	S	3415.44	W	308.79	12.4	4.5	2.7	53.0	71.2	-0.0	-0.2	322.8	8.16	108.7	
04.22.2021	15:48:49	S	3415.44	W	308.55	11.3	4.5	2.5	53.1	71.3	0.0	-0.3	321.4	8.16	108.7	
04.22.2021	15:49:49	S	3415.45	W	308.35	7.9	4.5	1.7	52.9	68.3	0.0	-0.2	324.4	8.16	108.7	
04.22.2021	15:50:49	S	3415.45	W	308.13	11.4	4.5	2.5	56.6	68.8	-0.1	-0.3	322.8	8.18	108.7	
04.22.2021	15:51:49	S	3415.45	W	307.91	16.2	4.5	3.6	53.3	68.9	-0.0	-0.3	322.4	8.16	108.7	
04.22.2021	15:52:49	S	3415.46	W	307.7	11.0	4.5	2.4	53.3	66.8	-0.0	-0.3	319.4	8.16	108.7	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	15:53:49	S	3415.46	W	307.48	10.2	4.5	2.2	54.9	68.8	0.1	-0.3	322.4	8.16	108.7	
04.22.2021	15:54:49	S	3415.46	W	307.24	12.4	4.5	2.7	54.2	66.7	-0.1	-0.3	318.1	8.16	108.7	
04.22.2021	15:55:49	S	3415.46	W	307.02	11.0	4.6	2.3	52.4	67.5	-0.1	-0.3	318.5	8.18	108.7	
04.22.2021	15:56:49	S	3415.46	W	306.81	11.6	4.5	2.5	56.8	67.5	0.0	-0.3	314.3	8.18	108.7	
04.22.2021	15:57:49	S	3415.47	W	306.57	7.8	4.5	1.7	53.4	67.4	-0.1	-0.3	316.3	8.16	108.7	
04.22.2021	15:58:50	S	3415.47	W	306.37	14.1	4.5	3.1	57.1	67.7	0.1	-0.2	317.8	8.16	108.7	
04.22.2021	15:59:50	S	3415.47	W	306.14	10.4	4.5	2.3	52.3	59.7	0.0	-0.2	314.0	8.16	108.7	
04.22.2021	16:00:50	S	3415.48	W	305.9	14.2	4.5	3.1	51.7	60.3	0.0	-0.2	322.3	8.16	108.7	
04.22.2021	16:01:50	S	3415.48	W	305.69	10.1	4.5	2.2	52.6	60.0	0.0	-0.2	321.7	8.18	108.7	
04.22.2021	16:02:50	S	3415.48	W	305.45	10.2	4.5	2.2	56.9	57.7	0.0	-0.2	322.6	8.18	108.7	
04.22.2021	16:03:50	S	3415.49	W	305.24	12.5	4.5	2.7	52.5	58.2	0.0	-0.3	322.0	8.18	108.7	
04.22.2021	16:04:50	S	3415.49	W	305.01	10.4	4.5	2.3	52.6	57.7	0.0	-0.2	323.1	8.18	108.7	
04.22.2021	16:05:50	S	3415.5	W	304.8	10.8	4.5	2.3	59.0	58.1	0.1	-0.2	321.1	8.16	108.7	
04.22.2021	16:06:50	S	3415.5	W	304.55	11.4	4.5	2.5	50.0	58.4	-0.1	-0.3	323.0	8.13	108.7	
04.22.2021	16:07:50	S	3415.51	W	304.37	11.4	4.5	2.5	53.9	58.1	-0.1	-0.4	322.7	8.18	108.7	
04.22.2021	16:08:54	S	3415.52	W	304.11	11.2	4.5	2.4	51.7	59.1	0.1	-0.2	320.1	8.18	108.7	
04.22.2021	16:09:54	S	3415.53	W	303.87	11.0	4.4	2.5	48.2	58.0	-0.1	-0.4	320.9	8.18	108.7	
04.22.2021	16:10:54	S	3415.53	W	303.7	11.8	4.5	2.6	55.5	58.1	-0.1	-0.3	317.5	8.16	108.7	
04.22.2021	16:11:54	S	3415.53	W	303.45	12.4	4.5	2.7	52.7	58.0	-0.1	-0.3	317.8	8.16	108.7	
04.22.2021	16:12:54	S	3415.53	W	303.25	11.4	4.5	2.5	50.8	57.7	-0.1	-0.3	316.2	8.18	108.7	
04.22.2021	16:13:54	S	3415.54	W	303	9.4	4.5	2.0	52.5	57.7	0.0	-0.2	319.4	8.16	108.7	
04.22.2021	16:14:54	S	3415.55	W	302.78	12.1	4.5	2.6	47.9	57.7	0.0	-0.2	317.7	8.18	108.7	
04.22.2021	16:15:54	S	3415.56	W	302.56	14.6	4.5	3.2	45.2	56.5	-0.1	-0.3	315.4	8.16	108.7	
04.22.2021	16:16:54	S	3415.57	W	302.33	11.5	4.4	2.6	53.3	57.4	0.0	-0.2	318.8	8.16	108.7	
04.22.2021	16:17:54	S	3415.57	W	302.1	10.1	4.5	2.2	50.2	56.1	-0.1	-0.4	322.6	8.18	108.7	
04.22.2021	16:18:52	S	3415.57	W	301.9	12.0	4.5	2.6	44.7	56.4	-0.1	-0.3	322.5	8.18	108.7	
04.22.2021	16:19:52	S	3415.58	W	301.64	11.5	4.5	2.5	51.7	56.9	-0.1	-0.3	323.0	8.18	108.7	
04.22.2021	16:20:52	S	3415.59	W	301.42	12.2	4.5	2.6	53.8	57.0	-0.1	-0.4	323.4	8.12	108.5	
04.22.2021	16:21:52	S	3415.6	W	301.21	8.9	4.5	1.9	52.1	57.2	-0.1	-0.3	322.2	8.16	108.7	
04.22.2021	16:22:52	S	3415.6	W	301	10.0	4.5	2.2	51.0	60.1	0.0	-0.2	322.3	8.18	108.7	
04.22.2021	16:23:52	S	3415.61	W	300.8	15.6	4.5	3.4	54.2	67.4	-0.1	-0.3	321.9	8.14	108.7	
04.22.2021	16:24:52	S	3415.61	W	300.54	8.5	4.5	1.8	55.2	65.0	-0.1	-0.3	319.8	8.16	108.7	
04.22.2021	16:25:52	S	3415.62	W	300.34	9.2	4.5	2.0	53.7	64.6	-0.1	-0.3	320.8	8.13	108.7	
04.22.2021	16:26:52	S	3415.63	W	300.12	11.6	4.5	2.5	56.0	64.5	0.0	-0.2	318.1	8.15	108.5	
04.22.2021	16:27:52	S	3415.64	W	259.86	13.8	4.5	3.0	55.9	65.3	-0.1	-0.3	316.7	8.16	108.7	
04.22.2021	16:28:51	S	3415.64	W	259.66	10.3	4.5	2.3	49.9	64.3	0.0	-0.2	316.0	8.16	108.7	
04.22.2021	16:29:51	S	3415.65	W	259.43	8.3	4.5	1.8	53.2	64.3	-0.1	-0.3	314.4	8.14	108.7	
04.22.2021	16:30:51	S	3415.66	W	259.19	16.6	4.5	3.6	54.5	64.1	-0.1	-0.3	318.6	8.16	108.7	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	16:31:51	S	3415.67	W	258.99	13.6	4.5	3.0	52.4	64.4	-0.1	-0.3	321.0	8.16	108.7
04.22.2021	16:32:51	S	3415.67	W	258.74	11.5	4.5	2.5	52.6	64.0	-0.0	-0.2	317.6	8.16	108.7
04.22.2021	16:33:51	S	3415.68	W	258.55	9.0	4.5	2.0	55.4	63.9	0.0	-0.2	321.5	8.13	108.7
04.22.2021	16:34:51	S	3415.69	W	258.33	14.1	4.5	3.1	56.3	65.3	-0.1	-0.3	322.9	8.16	108.7
04.22.2021	16:35:51	S	3415.7	W	258.07	13.6	4.5	3.0	52.1	65.2	-0.1	-0.3	320.1	8.18	108.7
04.22.2021	16:36:51	S	3415.71	W	257.86	10.5	4.5	2.3	52.1	67.6	-0.2	-0.3	321.5	8.13	108.7
04.22.2021	16:37:51	S	3415.72	W	257.62	12.0	4.5	2.6	55.7	67.3	-0.1	-0.3	322.2	8.18	108.7
04.22.2021	16:38:53	S	3415.73	W	257.42	14.2	4.5	3.1	55.7	64.6	0.0	-0.2	323.1	8.17	108.7
04.22.2021	16:39:53	S	3415.74	W	257.17	10.8	4.5	2.4	52.4	64.7	-0.1	-0.3	318.8	8.17	108.7
04.22.2021	16:40:53	S	3415.75	W	256.97	10.7	4.5	2.3	56.6	64.7	-0.1	-0.3	320.8	8.16	108.5
04.22.2021	16:41:53	S	3415.75	W	256.83	12.6	4.5	2.7	57.7	65.1	0.0	-0.2	317.5	8.16	108.5
04.22.2021	16:42:53	S	3415.75	W	256.83	14.1	4.5	3.1	55.2	57.7	-0.1	-0.3	319.0	8.16	108.7
04.22.2021	16:43:53	S	3415.76	W	256.4	13.8	4.6	3.0	50.7	57.4	-0.1	-0.3	314.6	8.18	108.7
04.22.2021	16:44:53	S	3415.76	W	256.4	9.5	4.5	2.1	54.4	57.8	-0.1	-0.3	317.2	8.16	108.7
04.22.2021	16:45:53	S	3415.79	W	255.83	9.4	4.5	2.1	52.5	56.8	0.1	-0.2	313.9	8.13	108.7
04.22.2021	16:46:53	S	3415.79	W	255.64	10.5	4.5	2.3	49.1	56.8	-0.1	-0.3	318.8	8.16	108.7
04.22.2021	16:47:53	S	3415.8	W	255.41	12.7	4.5	2.8	52.7	57.3	-0.1	-0.3	320.9	8.13	108.7
04.22.2021	16:48:46	S	3415.81	W	255.13	13.4	4.5	3.0	56.6	59.2	-0.0	-0.3	317.3	8.16	108.7
04.22.2021	16:49:46	S	3415.82	W	254.93	13.3	4.5	2.9	50.6	57.3	-0.1	-0.3	320.7	8.14	108.7
04.22.2021	16:50:46	S	3415.82	W	254.72	12.8	4.5	2.8	53.8	57.5	-0.1	-0.3	321.3	8.16	108.7
04.22.2021	16:51:46	S	3415.83	W	254.49	10.6	4.5	2.3	54.6	59.0	0.0	-0.2	323.3	8.13	108.7
04.22.2021	16:52:46	S	3415.84	W	254.26	11.0	4.5	2.4	53.8	58.1	-0.0	-0.3	321.8	8.16	108.7
04.22.2021	16:53:46	S	3415.85	W	254.03	11.0	4.5	2.4	50.9	57.9	-0.1	-0.3	322.5	8.16	108.7
04.22.2021	16:54:46	S	3415.86	W	253.83	14.2	4.5	3.1	57.8	59.2	-0.0	-0.3	320.8	8.12	108.5
04.22.2021	16:55:46	S	3415.86	W	253.59	9.3	4.5	2.0	48.5	57.7	0.0	-0.3	320.1	8.13	108.7
04.22.2021	16:56:46	S	3415.86	W	253.35	9.0	4.5	2.0	45.9	57.6	-0.1	-0.3	320.4	8.13	108.7
04.22.2021	16:57:46	S	3415.87	W	253.16	12.4	4.5	2.7	56.1	58.0	-0.1	-0.3	321.8	8.13	108.7
04.22.2021	16:58:46	S	3415.88	W	252.93	14.4	4.5	3.2	54.3	59.8	-0.1	-0.3	319.9	8.16	108.7
04.22.2021	16:59:46	S	3415.89	W	252.67	10.4	4.5	2.3	51.8	58.3	-0.1	-0.3	317.8	8.13	108.7
04.22.2021	17:00:46	S	3415.91	W	252.48	11.8	4.5	2.6	54.1	58.5	-0.0	-0.3	315.2	8.13	108.7
04.22.2021	17:01:46	S	3415.92	W	252.24	10.2	4.5	2.2	58.2	58.2	-0.0	-0.2	317.8	8.16	108.7
04.22.2021	17:02:46	S	3415.93	W	252.02	11.6	4.5	2.5	55.9	57.0	-0.0	-0.3	315.3	8.13	108.7
04.22.2021	17:03:46	S	3415.95	W	251.8	13.2	4.5	2.9	51.5	56.6	-0.0	-0.3	315.8	8.16	108.7
04.22.2021	17:04:46	S	3415.96	W	251.56	8.7	4.5	1.9	53.4	56.7	0.0	-0.2	320.2	8.16	108.7
04.22.2021	17:05:46	S	3415.97	W	251.35	11.3	4.5	2.5	53.6	56.5	-0.0	-0.2	319.1	8.16	108.7
04.22.2021	17:06:46	S	3415.98	W	251.13	16.0	4.5	3.5	51.4	57.0	-0.0	-0.3	322.4	8.14	108.7
04.22.2021	17:07:46	S	3415.99	W	250.89	11.6	4.5	2.5	53.0	66.6	0.0	-0.2	321.4	8.13	108.7
04.22.2021	17:08:51	S	3416	W	250.66	11.5	4.5	2.5	54.4	66.7	-0.1	-0.3	321.8	8.13	108.7

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	17:09:51	S	3416.01	W	250.45	10.8	4.5	2.4	50.2	66.4	-0.1	-0.3	322.3	8.16	108.7	
04.22.2021	17:10:51	S	3416.02	W	250.24	13.1	4.5	2.9	53.8	64.2	-0.1	-0.3	321.5	8.18	108.7	
04.22.2021	17:11:51	S	3416.03	W	250.04	12.7	4.5	2.8	51.8	64.7	-0.1	-0.3	321.3	8.16	108.7	
04.22.2021	17:12:51	S	3416.04	W	249.77	10.6	4.5	2.3	50.3	65.4	-0.1	-0.3	320.8	8.16	108.7	
04.22.2021	17:13:51	S	3416.04	W	249.57	10.4	4.5	2.3	54.6	65.4	0.0	-0.2	318.2	8.16	108.7	
04.22.2021	17:14:51	S	3416.05	W	249.35	12.5	4.5	2.8	50.4	65.3	-0.0	-0.3	316.7	8.13	108.7	
04.22.2021	17:15:51	S	3416.07	W	249.11	11.4	4.5	2.5	51.6	64.3	-0.2	-0.4	314.5	8.16	108.7	
04.22.2021	17:16:51	S	3416.08	W	248.93	10.3	4.5	2.2	52.5	64.7	-0.0	-0.3	314.4	8.16	108.7	
04.22.2021	17:17:51	S	3416.09	W	248.72	10.8	4.5	2.4	51.4	64.9	-0.1	-0.4	314.4	8.18	108.7	
04.22.2021	17:18:45	S	3416.09	W	248.47	15.0	4.5	3.3	54.9	64.4	-0.1	-0.3	313.5	8.16	108.7	
04.22.2021	17:19:45	S	3416.1	W	248.23	8.8	4.5	1.9	58.9	64.4	-0.1	-0.3	317.9	8.16	108.7	
04.22.2021	17:20:45	S	3416.11	W	248.05	12.2	4.5	2.6	58.4	63.7	-0.0	-0.3	317.9	8.18	108.7	
04.22.2021	17:21:45	S	3416.12	W	247.82	12.9	4.5	2.8	53.9	64.1	-0.1	-0.3	323.5	8.18	108.7	
04.22.2021	17:22:45	S	3416.12	W	247.62	10.8	4.5	2.4	55.4	64.7	-0.1	-0.3	322.5	8.18	108.7	
04.22.2021	17:23:45	S	3416.13	W	247.42	9.6	4.5	2.1	53.3	64.2	-0.0	-0.3	322.6	8.18	108.7	
04.22.2021	17:24:45	S	3416.14	W	247.17	8.9	4.5	1.9	55.7	64.5	-0.0	-0.3	322.5	8.16	108.7	
04.22.2021	17:25:45	S	3416.15	W	246.95	11.6	4.5	2.5	47.6	66.9	0.0	-0.2	323.6	8.18	108.7	
04.22.2021	17:26:45	S	3416.16	W	246.75	15.8	4.5	3.4	48.3	57.1	-0.1	-0.4	321.5	8.16	108.7	
04.22.2021	17:27:45	S	3416.18	W	246.51	11.4	4.5	2.5	50.7	56.9	-0.0	-0.3	322.9	8.12	108.5	
04.22.2021	17:28:50	S	3416.19	W	246.29	10.6	4.5	2.3	54.0	56.9	-0.0	-0.2	322.1	8.14	108.7	
04.22.2021	17:29:50	S	3416.2	W	246.07	11.3	4.5	2.5	51.3	57.0	-0.0	-0.3	321.7	8.18	108.7	
04.22.2021	17:30:50	S	3416.21	W	245.85	13.2	4.5	2.9	57.1	57.3	-0.0	-0.3	318.1	8.18	108.7	
04.22.2021	17:31:50	S	3416.22	W	245.63	13.9	4.5	3.0	53.7	58.9	-0.0	-0.3	318.0	8.16	108.7	
04.22.2021	17:32:50	S	3416.23	W	245.45	9.4	4.5	2.0	49.9	56.4	0.0	-0.2	312.0	8.14	108.7	
04.22.2021	17:33:50	S	3416.24	W	245.21	9.9	4.6	2.1	52.5	57.2	-0.0	-0.2	318.1	8.18	108.7	
04.22.2021	17:34:50	S	3416.25	W	245.02	14.2	4.6	3.0	52.2	56.3	-0.2	-0.5	317.2	8.18	108.7	
04.22.2021	17:35:50	S	3416.26	W	244.78	15.8	4.5	3.4	52.4	57.0	0.0	-0.2	318.7	8.14	108.7	
04.22.2021	17:36:50	S	3416.28	W	244.53	9.3	4.5	2.0	54.0	57.1	-0.1	-0.3	317.5	8.18	108.7	
04.22.2021	17:37:50	S	3416.29	W	244.35	9.8	4.5	2.2	47.2	57.7	0.1	-0.1	322.1	8.18	108.7	
04.22.2021	17:38:47	S	3416.3	W	244.13	14.1	4.5	3.1	55.1	58.3	0.0	-0.2	322.2	8.18	108.7	
04.22.2021	17:39:47	S	3416.31	W	243.91	14.5	4.5	3.2	53.7	58.7	-0.0	-0.3	323.3	8.16	108.7	
04.22.2021	17:40:47	S	3416.31	W	243.69	8.4	4.5	1.8	53.9	58.0	-0.1	-0.3	322.9	8.18	108.7	
04.22.2021	17:41:47	S	3416.32	W	243.49	8.2	4.5	1.8	52.3	56.9	-0.1	-0.3	322.0	8.14	108.7	
04.22.2021	17:42:47	S	3416.34	W	243.25	14.0	4.5	3.1	51.6	56.9	-0.2	-0.4	322.1	8.18	108.7	
04.22.2021	17:43:47	S	3416.35	W	243.04	14.0	4.5	3.1	50.5	57.3	-0.0	-0.3	322.8	8.18	108.7	
04.22.2021	17:44:47	S	3416.36	W	242.81	9.9	4.5	2.1	54.0	58.0	-0.1	-0.3	321.4	8.18	108.7	
04.22.2021	17:45:47	S	3416.37	W	242.58	10.6	4.5	2.3	48.3	56.9	-0.1	-0.3	321.5	8.16	108.7	
04.22.2021	17:46:47	S	3416.39	W	242.37	10.9	4.5	2.4	49.7	56.2	-0.2	-0.5	319.6	8.16	108.7	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	17:47:47	S	3416.4	W	242.17	14.0	4.4	3.1	55.4	57.2	-0.1	-0.4	318.3	8.18	108.7
04.22.2021	17:48:47	S	3416.41	W	241.91	12.0	4.5	2.6	51.3	57.1	-0.1	-0.4	318.3	8.18	108.7
04.22.2021	17:49:47	S	3416.42	W	241.73	9.2	4.5	2.0	52.3	56.5	-0.1	-0.3	316.6	8.16	108.7
04.22.2021	17:50:47	S	3416.42	W	241.49	10.2	4.6	2.2	51.2	63.5	-0.1	-0.3	315.6	8.18	108.7
04.22.2021	17:51:47	S	3416.43	W	241.3	14.7	4.5	3.2	55.2	63.1	-0.0	-0.3	318.3	8.16	108.7
04.22.2021	17:52:47	S	3416.45	W	241.07	11.6	4.5	2.5	50.1	62.5	-0.1	-0.3	319.4	8.18	108.7
04.22.2021	17:53:47	S	3416.47	W	240.85	10.1	4.5	2.2	54.2	63.4	-0.1	-0.4	319.9	8.16	108.7
04.22.2021	17:54:47	S	3416.48	W	240.62	8.4	4.5	1.8	46.8	63.3	-0.1	-0.3	321.1	8.14	108.7
04.22.2021	17:55:47	S	3416.48	W	240.42	12.4	4.5	2.7	52.3	64.1	-0.1	-0.4	323.2	8.18	108.7
04.22.2021	17:56:47	S	3416.49	W	240.18	9.2	4.5	2.0	58.7	64.4	0.1	-0.1	323.0	8.18	108.7
04.22.2021	17:57:47	S	3416.5	W	239.97	12.5	4.5	2.7	56.0	64.2	-0.1	-0.3	322.4	8.18	108.7
04.22.2021	17:58:53	S	3416.52	W	239.77	11.8	4.5	2.6	54.3	64.6	-0.1	-0.3	320.2	8.18	108.7
04.22.2021	17:59:53	S	3416.53	W	239.55	13.6	4.5	3.0	52.5	64.3	-0.1	-0.4	319.3	8.18	108.7
04.22.2021	18:00:53	S	3416.55	W	239.35	15.3	4.5	3.4	53.3	65.0	0.0	-0.2	318.7	8.17	108.5
04.22.2021	18:01:53	S	3416.58	W	239.09	8.1	4.5	1.8	56.7	65.5	0.0	-0.2	319.8	8.18	108.7
04.22.2021	18:02:53	S	3416.59	W	238.87	10.2	4.6	2.2	55.4	64.9	-0.1	-0.3	317.0	8.14	108.7
04.22.2021	18:03:53	S	3416.61	W	238.69	13.5	4.5	3.0	53.2	65.4	-0.1	-0.3	316.7	8.18	108.7
04.22.2021	18:04:53	S	3416.62	W	238.48	9.0	4.5	2.0	53.5	65.5	-0.0	-0.3	315.9	8.18	108.7
04.22.2021	18:05:53	S	3416.64	W	238.24	7.8	4.5	1.7	50.3	65.4	-0.0	-0.2	316.1	8.16	108.7
04.22.2021	18:06:53	S	3416.65	W	238.04	12.3	4.5	2.7	57.3	64.7	-0.1	-0.3	316.0	8.18	108.7
04.22.2021	18:07:53	S	3416.66	W	237.8	11.5	4.5	2.5	48.5	64.1	-0.1	-0.3	313.9	8.14	108.7
04.22.2021	18:08:52	S	3416.68	W	237.59	12.2	4.6	2.6	50.9	63.3	-0.0	-0.2	319.4	8.16	108.7
04.22.2021	18:09:52	S	3416.69	W	237.38	9.0	4.5	2.0	55.9	56.4	-0.1	-0.4	317.7	8.18	108.7
04.22.2021	18:10:52	S	3416.71	W	237.12	13.2	4.5	2.9	53.7	57.5	-0.1	-0.4	322.1	8.16	108.7
04.22.2021	18:11:52	S	3416.72	W	236.91	13.3	4.5	2.9	53.3	57.5	0.0	-0.2	320.8	8.17	108.5
04.22.2021	18:12:52	S	3416.74	W	236.68	7.5	4.5	1.6	51.1	57.2	0.0	-0.3	322.8	8.18	108.7
04.22.2021	18:13:52	S	3416.76	W	236.49	10.6	4.5	2.3	54.8	58.2	0.0	-0.2	321.1	8.18	108.7
04.22.2021	18:14:52	S	3416.77	W	236.24	15.4	4.5	3.4	54.3	59.2	-0.1	-0.3	322.1	8.12	108.2
04.22.2021	18:15:52	S	3416.79	W	236.04	13.9	4.5	3.0	52.3	57.7	0.0	-0.2	319.2	8.18	108.7
04.22.2021	18:16:52	S	3416.81	W	235.79	10.1	4.5	2.2	55.0	57.4	-0.1	-0.3	321.2	8.12	108.5
04.22.2021	18:17:52	S	3416.83	W	235.56	9.6	4.5	2.1	54.2	57.2	-0.1	-0.4	319.7	8.17	108.0
04.22.2021	18:18:51	S	3416.84	W	235.36	12.7	4.5	2.8	51.4	56.8	-0.0	-0.3	321.3	8.14	108.1
04.22.2021	18:19:51	S	3416.87	W	235.11	13.3	4.5	2.9	52.9	57.2	-0.0	-0.2	317.6	8.14	108.7
04.22.2021	18:20:51	S	3416.89	W	234.88	7.7	4.5	1.7	48.3	57.7	-0.0	-0.3	316.5	8.15	108.4
04.22.2021	18:21:51	S	3416.9	W	234.69	13.9	4.5	3.0	51.7	57.3	-0.0	-0.3	312.6	8.17	108.5
04.22.2021	18:22:51	S	3416.91	W	234.45	16.2	4.5	3.6	54.4	57.0	-0.0	-0.2	320.4	8.17	108.1
04.22.2021	18:23:51	S	3416.92	W	234.21	11.0	4.5	2.4	54.1	57.1	-0.1	-0.4	315.2	8.18	108.7
04.22.2021	18:24:51	S	3416.93	W	234.01	9.4	4.5	2.0	48.0	56.5	-0.1	-0.3	320.7	8.14	108.7

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	18:25:51	S	3416.93	W	233.77	12.7	4.5	2.8	58.6	59.5	0.1	-0.2	320.5	8.16	108.7	
04.22.2021	18:26:51	S	3416.94	W	233.55	12.6	4.5	2.8	51.3	60.2	-0.1	-0.3	322.6	8.18	108.7	
04.22.2021	18:27:51	S	3416.95	W	233.33	12.0	4.6	2.6	44.9	62.5	-0.1	-0.3	323.3	8.18	108.7	
04.22.2021	18:28:48	S	3416.97	W	233.12	9.4	4.5	2.0	51.3	61.0	-0.0	-0.3	322.5	8.15	108.5	
04.22.2021	18:29:48	S	3416.98	W	232.89	13.9	4.5	3.0	53.3	58.8	-0.0	-0.2	322.8	8.16	108.7	
04.22.2021	18:30:48	S	3416.99	W	232.68	11.1	4.5	2.4	48.8	57.1	0.0	-0.2	323.2	8.16	108.7	
04.22.2021	18:31:48	S	3417	W	232.44	7.6	4.6	1.6	55.4	57.2	-0.1	-0.3	321.3	8.16	108.7	
04.22.2021	18:32:48	S	3417.01	W	232.21	11.5	4.5	2.5	54.2	57.4	-0.0	-0.3	321.7	8.18	108.7	
04.22.2021	18:33:48	S	3417.02	W	231.98	14.9	4.6	3.2	50.1	64.3	0.0	-0.2	321.5	8.18	108.7	
04.22.2021	18:34:48	S	3417.03	W	231.77	11.2	4.5	2.4	52.0	63.7	-0.1	-0.4	319.7	8.18	108.7	
04.22.2021	18:35:48	S	3417.04	W	231.55	9.1	4.5	2.0	55.1	63.9	-0.1	-0.3	317.6	8.14	108.7	
04.22.2021	18:36:48	S	3417.05	W	231.32	10.9	4.6	2.4	49.0	64.0	0.0	-0.2	317.4	8.14	108.7	
04.22.2021	18:37:48	S	3417.06	W	231.07	14.0	4.5	3.1	53.9	63.3	-0.0	-0.3	315.2	8.14	108.7	
04.22.2021	18:38:54	S	3417.06	W	230.87	8.8	4.5	1.9	58.8	64.2	-0.0	-0.3	317.1	8.18	108.7	
04.22.2021	18:39:54	S	3417.07	W	230.65	6.1	4.6	1.3	46.3	63.4	-0.0	-0.2	316.9	8.18	108.7	
04.22.2021	18:40:54	S	3417.08	W	230.45	11.5	4.5	2.5	54.2	63.6	0.0	-0.3	320.5	8.16	108.7	
04.22.2021	18:41:54	S	3417.08	W	230.2	12.4	4.5	2.7	52.8	63.9	0.0	-0.2	321.7	8.14	108.7	
04.22.2021	18:42:54	S	3417.09	W	229.98	10.9	4.5	2.4	51.8	64.4	-0.1	-0.3	322.6	8.14	108.7	
04.22.2021	18:43:54	S	3417.1	W	229.74	10.3	4.5	2.2	58.4	66.0	-0.1	-0.3	321.5	8.14	108.7	
04.22.2021	18:44:54	S	3417.11	W	229.52	10.4	4.5	2.3	54.8	65.0	-0.1	-0.3	322.1	8.18	108.7	
04.22.2021	18:45:54	S	3417.12	W	229.29	12.6	4.6	2.7	49.3	64.5	-0.1	-0.3	323.4	8.16	108.7	
04.22.2021	18:46:54	S	3417.13	W	229.08	7.4	4.5	1.6	54.1	64.7	0.0	-0.2	323.1	8.16	108.7	
04.22.2021	18:47:54	S	3417.13	W	228.85	8.0	4.5	1.8	49.6	65.0	0.0	-0.2	320.9	8.18	108.7	
04.22.2021	18:48:49	S	3417.13	W	228.62	10.1	4.6	2.2	47.8	64.6	-0.1	-0.3	321.0	8.14	108.7	
04.22.2021	18:49:49	S	3417.13	W	228.41	9.2	4.5	2.0	53.2	64.4	-0.1	-0.4	320.4	8.14	108.7	
04.22.2021	18:50:49	S	3417.13	W	228.15	9.2	4.6	1.9	53.7	64.1	-0.1	-0.3	317.1	8.18	108.7	
04.22.2021	18:51:49	S	3417.14	W	227.95	12.4	4.5	2.7	54.7	64.4	0.0	-0.2	317.9	8.18	108.7	
04.22.2021	18:52:49	S	3417.15	W	227.75	11.4	4.5	2.5	50.0	57.4	-0.0	-0.3	315.7	8.14	108.7	
04.22.2021	18:53:49	S	3417.16	W	227.49	10.0	4.6	2.1	52.1	57.5	-0.1	-0.3	314.5	8.16	108.7	
04.22.2021	18:54:49	S	3417.16	W	227.28	7.5	4.5	1.6	48.0	56.9	-0.1	-0.3	315.0	8.18	108.7	
04.22.2021	18:55:49	S	3417.17	W	227.02	9.6	4.5	2.1	48.6	56.5	-0.1	-0.4	317.3	8.15	108.5	
04.22.2021	18:56:49	S	3417.18	W	226.82	15.0	4.6	3.2	49.1	56.5	-0.0	-0.2	316.2	8.15	108.5	
04.22.2021	18:57:49	S	3417.18	W	226.61	9.6	4.5	2.1	56.9	56.8	-0.1	-0.3	320.4	8.18	108.7	
04.22.2021	18:58:48	S	3417.19	W	226.35	8.0	4.6	1.7	53.2	56.8	-0.1	-0.3	322.5	8.18	108.7	
04.22.2021	18:59:48	S	3417.19	W	226.11	13.7	4.6	2.9	56.7	57.1	0.0	-0.3	323.0	8.14	108.7	
04.22.2021	19:00:48	S	3417.2	W	225.9	12.2	4.6	2.6	48.2	59.6	-0.0	-0.3	322.3	8.18	108.7	
04.22.2021	19:01:48	S	3417.21	W	225.66	10.0	4.5	2.2	54.7	60.2	-0.0	-0.3	321.9	8.18	108.7	
04.22.2021	19:02:48	S	3417.22	W	225.46	8.5	4.5	1.8	55.2	60.2	0.0	-0.2	320.5	8.18	108.7	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0				Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	19:03:48	S	3417.23	W	225.22	13.0	4.6	2.8	55.8	60.2	0.0	-0.2	323.0	8.16	108.7
04.22.2021	19:04:48	S	3417.23	W	225.03	9.8	4.6	2.1	56.7	57.5	-0.1	-0.3	322.5	8.18	108.7
04.22.2021	19:05:48	S	3417.24	W	224.77	10.7	4.6	2.3	51.8	57.9	-0.1	-0.3	319.3	8.18	108.7
04.22.2021	19:06:48	S	3417.24	W	224.56	10.2	4.6	2.2	53.8	57.5	-0.0	-0.3	317.3	8.18	108.7
04.22.2021	19:07:48	S	3417.25	W	224.34	14.0	4.5	3.1	58.2	57.5	-0.1	-0.3	317.8	8.18	108.7
04.22.2021	19:08:51	S	3417.26	W	224.08	10.6	4.5	2.3	54.6	57.0	-0.1	-0.3	315.1	8.14	108.7
04.22.2021	19:09:51	S	3417.27	W	223.85	8.7	4.5	1.9	53.1	57.3	-0.0	-0.3	318.7	8.16	108.7
04.22.2021	19:10:51	S	3417.28	W	223.64	6.8	4.6	1.4	50.8	57.5	-0.0	-0.2	314.6	8.16	108.7
04.22.2021	19:11:51	S	3417.28	W	223.43	14.0	4.5	3.1	49.8	56.4	-0.2	-0.3	315.9	8.16	108.7
04.22.2021	19:12:51	S	3417.29	W	223.19	11.6	4.6	2.5	43.7	56.2	-0.1	-0.3	319.1	8.18	108.7
04.22.2021	19:13:51	S	3417.29	W	222.94	8.8	4.6	1.9	54.5	56.9	0.0	-0.2	322.8	8.18	108.7
04.22.2021	19:14:51	S	3417.29	W	222.73	10.5	4.6	2.2	45.5	57.0	0.0	-0.2	321.8	8.18	108.7
04.22.2021	19:15:51	S	3417.3	W	222.5	13.7	4.5	3.0	53.4	57.6	-0.1	-0.3	323.1	8.16	108.7
04.22.2021	19:16:51	S	3417.31	W	222.25	12.0	4.5	2.6	54.6	63.3	0.0	-0.2	322.5	8.14	108.7
04.22.2021	19:17:51	S	3417.31	W	222.05	6.2	4.6	1.3	51.0	65.0	-0.1	-0.3	321.1	8.14	108.7
04.22.2021	19:18:49	S	3417.32	W	221.82	9.7	4.6	2.0	57.0	64.3	-0.1	-0.3	324.2	8.18	108.7
04.22.2021	19:19:49	S	3417.33	W	221.6	9.3	4.6	2.0	46.2	64.6	-0.1	-0.3	323.1	8.18	108.7
04.22.2021	19:20:49	S	3417.34	W	221.33	11.0	4.6	2.3	50.2	63.9	-0.1	-0.3	321.5	8.18	108.7
04.22.2021	19:21:49	S	3417.35	W	221.12	6.2	4.6	1.3	51.6	63.8	-0.1	-0.3	320.6	8.18	108.7
04.22.2021	19:22:49	S	3417.36	W	220.89	11.0	4.6	2.4	44.4	64.2	0.0	-0.2	319.9	8.16	108.7
04.22.2021	19:23:49	S	3417.36	W	220.67	14.8	4.6	3.2	50.9	64.4	0.0	-0.2	319.4	8.14	108.5
04.22.2021	19:24:49	S	3417.37	W	220.43	12.2	4.6	2.6	52.3	64.8	-0.0	-0.2	317.2	8.18	108.7
04.22.2021	19:25:49	S	3417.38	W	220.2	5.4	4.6	1.1	52.7	64.7	-0.0	-0.2	315.5	8.14	108.7
04.22.2021	19:26:49	S	3417.39	W	219.97	10.3	4.6	2.2	55.1	64.0	-0.1	-0.3	317.7	8.18	108.7
04.22.2021	19:27:49	S	3417.4	W	219.74	10.0	4.5	2.2	52.4	66.2	-0.0	-0.3	318.8	8.18	108.7
04.22.2021	19:28:48	S	3417.41	W	219.53	8.0	4.6	1.7	51.9	64.6	0.0	-0.2	317.5	8.18	108.7
04.22.2021	19:29:48	S	3417.42	W	219.29	8.4	4.6	1.8	53.8	64.4	-0.1	-0.4	321.7	8.18	108.7
04.22.2021	19:30:48	S	3417.43	W	219.06	11.2	4.6	2.4	56.2	64.5	-0.1	-0.3	322.1	8.14	108.7
04.22.2021	19:31:48	S	3417.44	W	218.83	11.5	4.6	2.5	54.7	64.6	-0.1	-0.4	323.9	8.18	108.7
04.22.2021	19:32:48	S	3417.45	W	218.61	10.5	4.6	2.2	50.8	65.1	-0.1	-0.3	322.2	8.18	108.7
04.22.2021	19:33:48	S	3417.46	W	218.38	7.2	4.6	1.5	50.4	64.8	0.0	-0.2	320.7	8.18	108.7
04.22.2021	19:34:48	S	3417.47	W	218.16	13.8	4.6	3.0	52.4	64.3	-0.1	-0.3	321.2	8.14	108.7
04.22.2021	19:35:48	S	3417.48	W	217.91	10.3	4.6	2.2	54.6	57.3	-0.0	-0.2	319.4	8.16	108.7
04.22.2021	19:36:48	S	3417.49	W	217.67	12.0	4.6	2.6	52.5	56.8	-0.0	-0.2	323.3	8.15	108.5
04.22.2021	19:37:48	S	3417.5	W	217.48	11.0	4.5	2.4	52.6	60.6	-0.1	-0.4	316.3	8.18	108.7
04.22.2021	19:38:51	S	3417.51	W	217.24	12.4	4.6	2.6	49.1	60.4	0.0	-0.2	316.4	8.16	108.7
04.22.2021	19:39:51	S	3417.52	W	217.03	10.5	4.6	2.2	52.1	60.3	0.0	-0.2	317.5	8.18	108.7
04.22.2021	19:40:51	S	3417.53	W	216.79	8.3	4.6	1.8	50.7	60.1	-0.1	-0.3	315.1	8.18	108.7

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	19:41:51	S	3417.54	W	216.57	11.8	4.6	2.5	51.9	61.0	-0.1	-0.4	314.0	8.14	108.7	
04.22.2021	19:42:51	S	3417.55	W	216.34	9.1	4.6	1.9	53.9	60.7	-0.1	-0.3	316.2	8.16	108.7	
04.22.2021	19:43:51	S	3417.56	W	216.1	10.5	4.6	2.3	56.0	60.0	0.1	-0.3	319.1	8.18	108.7	
04.22.2021	19:44:51	S	3417.57	W	215.88	10.4	4.6	2.2	53.2	60.0	-0.0	-0.3	319.0	8.16	108.7	
04.22.2021	19:45:51	S	3417.59	W	215.63	12.0	4.6	2.6	49.2	59.7	-0.0	-0.2	322.8	8.18	108.7	
04.22.2021	19:46:51	S	3417.6	W	215.39	12.2	4.6	2.6	49.4	60.7	-0.1	-0.3	322.5	8.14	108.7	
04.22.2021	19:47:51	S	3417.61	W	215.19	7.1	4.6	1.5	52.3	61.2	0.0	-0.3	322.1	8.18	108.7	
04.22.2021	19:48:54	S	3417.62	W	214.93	10.5	4.7	2.2	46.9	61.3	-0.0	-0.3	323.1	8.16	108.7	
04.22.2021	19:49:54	S	3417.63	W	214.73	14.3	4.6	3.1	54.8	61.4	-0.0	-0.3	319.9	8.14	108.7	
04.22.2021	19:50:54	S	3417.64	W	214.5	10.8	4.5	2.4	58.7	60.8	-0.1	-0.3	321.6	8.18	108.7	
04.22.2021	19:51:54	S	3417.65	W	214.25	11.6	4.6	2.5	55.0	60.9	-0.0	-0.3	320.4	8.14	108.7	
04.22.2021	19:52:54	S	3417.66	W	214.03	12.6	4.6	2.7	55.1	63.0	0.1	-0.2	322.5	8.16	108.7	
04.22.2021	19:53:54	S	3417.66	W	213.84	12.5	4.6	2.6	54.4	60.8	-0.1	-0.3	319.1	8.18	108.7	
04.22.2021	19:54:54	S	3417.68	W	213.61	9.4	4.6	2.0	53.7	63.4	-0.1	-0.3	318.8	8.16	108.7	
04.22.2021	19:55:54	S	3417.69	W	213.36	12.7	4.6	2.7	57.1	62.4	-0.1	-0.3	314.1	8.16	108.7	
04.22.2021	19:56:54	S	3417.7	W	213.12	13.4	4.6	2.8	51.5	63.2	-0.0	-0.3	318.7	8.18	108.7	
04.22.2021	19:57:54	S	3417.71	W	212.9	12.1	4.6	2.6	56.4	67.9	0.0	-0.2	315.1	8.18	108.7	
04.22.2021	19:58:51	S	3417.72	W	212.69	10.4	4.6	2.2	55.7	65.8	0.0	-0.2	316.8	8.16	108.7	
04.22.2021	19:59:51	S	3417.73	W	212.48	14.2	4.6	3.0	52.5	63.4	-0.1	-0.3	315.6	8.16	108.7	
04.22.2021	20:00:51	S	3417.75	W	212.24	12.7	4.6	2.7	52.1	63.7	-0.1	-0.3	320.4	8.15	108.5	
04.22.2021	20:01:51	S	3417.77	W	212	11.5	4.6	2.5	47.9	63.3	-0.0	-0.3	323.1	8.16	108.7	
04.22.2021	20:02:51	S	3417.78	W	211.79	7.6	4.5	1.6	60.1	66.8	0.0	-0.2	323.4	8.16	108.7	
04.22.2021	20:03:51	S	3417.79	W	211.54	14.0	4.6	3.0	50.0	65.5	0.0	-0.2	322.8	8.16	108.7	
04.22.2021	20:04:51	S	3417.79	W	211.35	11.9	4.6	2.5	54.0	66.0	-0.0	-0.3	322.6	8.16	108.7	
04.22.2021	20:05:51	S	3417.8	W	211.1	10.0	4.6	2.1	50.4	64.1	-0.0	-0.3	322.3	8.12	108.5	
04.22.2021	20:06:51	S	3417.81	W	210.85	9.9	4.6	2.1	54.8	64.7	-0.1	-0.3	320.6	8.18	108.7	
04.22.2021	20:07:51	S	3417.82	W	210.63	12.7	4.6	2.7	53.7	65.9	0.1	-0.2	321.6	8.16	108.7	
04.22.2021	20:08:50	S	3417.84	W	210.42	13.1	4.6	2.8	50.0	64.4	0.0	-0.2	320.0	8.16	108.7	
04.22.2021	20:09:50	S	3417.85	W	210.2	10.6	4.5	2.3	46.5	64.4	-0.1	-0.3	321.1	8.16	108.7	
04.22.2021	20:10:50	S	3417.86	W	209.93	8.8	4.6	1.9	50.5	64.7	-0.1	-0.3	318.3	8.18	108.7	
04.22.2021	20:11:50	S	3417.87	W	209.71	14.0	4.6	3.0	49.1	64.7	0.0	-0.2	316.0	8.16	108.7	
04.22.2021	20:12:50	S	3417.88	W	209.52	10.0	4.6	2.1	51.6	64.6	-0.1	-0.3	316.2	8.12	108.5	
04.22.2021	20:13:50	S	3417.89	W	209.29	10.3	4.6	2.2	50.6	63.8	-0.0	-0.3	315.9	8.18	108.7	
04.22.2021	20:14:50	S	3417.91	W	209.04	12.0	4.6	2.6	54.5	64.6	0.0	-0.2	317.8	8.18	108.7	
04.22.2021	20:15:50	S	3417.92	W	208.83	14.5	4.6	3.1	52.8	63.8	-0.1	-0.3	317.7	8.18	108.7	
04.22.2021	20:16:50	S	3417.92	W	208.71	10.6	4.6	2.3	57.1	57.1	-0.1	-0.3	319.6	8.18	108.7	
04.22.2021	20:17:50	S	3417.92	W	208.71	6.5	4.6	1.4	47.3	55.9	-0.1	-0.3	321.1	8.14	108.7	
04.22.2021	20:18:49	S	3417.94	W	208.17	11.0	4.6	2.3	54.5	58.2	-0.0	-0.2	319.9	8.18	108.7	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	20:19:49	S	3417.96	W	207.92	11.7	4.6	2.5	54.9	57.2	0.0	-0.3	322.6	8.18	108.7	
04.22.2021	20:20:49	S	3417.97	W	207.69	7.6	4.6	1.6	54.3	58.7	-0.1	-0.3	320.6	8.18	108.7	
04.22.2021	20:21:49	S	3417.99	W	207.48	5.2	4.6	1.1	50.1	56.7	-0.0	-0.2	322.6	8.18	108.7	
04.22.2021	20:22:49	S	3417.99	W	207.22	12.7	4.6	2.7	52.4	58.6	0.1	-0.2	321.5	8.16	108.7	
04.22.2021	20:23:49	S	3418	W	207.02	11.5	4.6	2.5	53.3	58.1	-0.1	-0.4	321.2	8.14	108.7	
04.22.2021	20:24:49	S	3417.99	W	206.79	9.5	4.6	2.0	51.4	57.1	-0.1	-0.3	320.3	8.16	108.7	
04.22.2021	20:25:49	S	3417.99	W	206.57	9.0	4.7	1.9	53.1	57.2	-0.1	-0.3	317.7	8.18	108.7	
04.22.2021	20:26:49	S	3417.99	W	206.32	14.2	4.6	3.0	57.8	58.3	0.0	-0.2	317.8	8.18	108.7	
04.22.2021	20:27:49	S	3418	W	206.12	9.5	4.6	2.0	56.8	57.6	0.0	-0.3	317.0	8.16	108.7	
04.22.2021	20:28:51	S	3418	W	205.91	10.3	4.6	2.2	47.3	56.4	-0.1	-0.3	316.6	8.18	108.7	
04.22.2021	20:29:51	S	3418.01	W	205.67	9.4	4.6	2.0	54.7	57.2	0.0	-0.2	317.4	8.18	108.7	
04.22.2021	20:30:51	S	3418.01	W	205.46	12.6	4.6	2.7	55.1	57.7	-0.0	-0.3	315.3	8.18	108.7	
04.22.2021	20:31:51	S	3418.01	W	205.25	10.3	4.6	2.2	51.3	56.6	-0.0	-0.3	324.8	8.18	108.7	
04.22.2021	20:32:51	S	3418.01	W	205.02	8.0	4.6	1.7	53.9	56.7	-0.0	-0.3	319.6	8.16	108.7	
04.22.2021	20:33:51	S	3418.02	W	204.76	10.6	4.6	2.2	50.2	57.1	0.0	-0.2	322.8	8.16	108.7	
04.22.2021	20:34:51	S	3418.02	W	204.57	11.8	4.6	2.5	50.0	57.9	-0.0	-0.3	323.8	8.18	108.7	
04.22.2021	20:35:51	S	3418.03	W	204.32	8.5	4.6	1.8	51.6	57.4	0.0	-0.2	323.1	8.18	108.7	
04.22.2021	20:36:51	S	3418.03	W	204.12	10.2	4.6	2.2	52.1	57.3	-0.1	-0.2	322.2	8.18	108.7	
04.22.2021	20:37:51	S	3418.03	W	203.86	12.0	4.6	2.6	49.1	57.2	-0.0	-0.2	322.1	8.16	108.7	
04.22.2021	20:38:54	S	3418.03	W	203.65	8.9	4.7	1.9	53.0	57.6	0.0	-0.2	322.2	8.18	108.7	
04.22.2021	20:39:54	S	3418.03	W	203.41	7.2	4.6	1.5	51.9	57.1	-0.1	-0.3	322.0	8.16	108.7	
04.22.2021	20:40:54	S	3418.03	W	203.19	12.9	4.6	2.7	54.6	63.8	0.0	-0.3	319.9	8.18	108.7	
04.22.2021	20:41:54	S	3418.04	W	202.98	11.5	4.6	2.5	56.8	64.3	-0.1	-0.3	318.6	8.18	108.7	
04.22.2021	20:42:54	S	3418.04	W	202.75	6.7	4.6	1.4	51.3	63.6	-0.0	-0.3	313.5	8.18	108.7	
04.22.2021	20:43:54	S	3418.05	W	202.53	11.1	4.6	2.4	49.2	64.1	0.0	-0.2	318.3	8.18	108.7	
04.22.2021	20:44:54	S	3418.05	W	202.3	12.3	4.6	2.6	50.1	64.0	-0.0	-0.3	314.5	8.18	108.7	
04.22.2021	20:45:54	S	3418.06	W	202.1	11.0	4.6	2.4	53.4	63.5	-0.1	-0.3	318.1	8.18	108.7	
04.22.2021	20:46:54	S	3418.06	W	201.85	9.3	4.6	2.0	52.8	63.0	-0.1	-0.3	315.1	8.18	108.7	
04.22.2021	20:47:54	S	3418.06	W	201.6	11.2	4.6	2.4	52.5	64.2	-0.0	-0.3	318.0	8.16	108.7	
04.22.2021	20:48:49	S	3418.06	W	201.38	12.6	4.6	2.7	51.7	63.8	-0.0	-0.3	320.5	8.18	108.7	
04.22.2021	20:49:49	S	3418.07	W	201.16	13.3	4.6	2.9	49.0	63.9	-0.1	-0.3	322.9	8.18	108.7	
04.22.2021	20:50:49	S	3418.06	W	200.92	9.7	4.6	2.1	54.5	64.1	-0.1	-0.4	322.4	8.18	108.7	
04.22.2021	20:51:49	S	3418.06	W	200.71	11.3	4.6	2.4	57.8	64.1	-0.1	-0.3	323.5	8.16	108.7	
04.22.2021	20:52:49	S	3418.06	W	200.5	10.2	4.6	2.2	56.8	64.6	-0.1	-0.3	322.1	8.18	108.7	
04.22.2021	20:53:49	S	3418.06	W	200.24	9.4	4.6	2.0	54.4	64.2	0.1	-0.2	324.0	8.14	108.7	
04.22.2021	20:54:49	S	3418.06	W	200.04	16.4	4.6	3.5	56.1	64.5	0.0	-0.2	322.5	8.16	108.7	
04.22.2021	20:55:49	S	3418.06	W	159.82	10.5	4.6	2.2	54.0	64.3	-0.1	-0.3	322.0	8.18	108.7	
04.22.2021	20:56:49	S	3418.06	W	159.55	9.3	4.6	2.0	54.5	65.4	-0.0	-0.2	323.8	8.18	108.7	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	20:57:49	S	3418.05	W	159.35	10.9	4.6	2.3	52.4	65.6	-0.0	-0.3	320.0	8.13	108.7
04.22.2021	20:58:48	S	3418.05	W	159.11	12.1	4.6	2.6	57.8	65.4	-0.1	-0.3	318.5	8.18	108.7
04.22.2021	20:59:48	S	3418.05	W	158.89	9.8	4.6	2.1	54.2	58.3	0.0	-0.2	316.4	8.14	108.7
04.22.2021	21:00:48	S	3418.05	W	158.66	10.2	4.6	2.1	52.1	59.0	-0.0	-0.2	315.0	8.16	108.7
04.22.2021	21:01:48	S	3418.05	W	158.45	13.6	4.6	2.9	51.3	60.0	-0.0	-0.3	314.3	8.18	108.7
04.22.2021	21:02:48	S	3418.05	W	158.22	9.1	4.5	2.0	52.3	58.4	-0.1	-0.3	321.2	8.18	108.7
04.22.2021	21:03:48	S	3418.05	W	157.99	8.1	4.7	1.7	55.0	58.2	-0.1	-0.3	318.6	8.16	108.7
04.22.2021	21:04:48	S	3418.05	W	157.76	13.1	4.6	2.8	57.8	58.5	-0.1	-0.3	317.3	8.18	108.7
04.22.2021	21:05:48	S	3418.04	W	157.56	16.3	4.6	3.5	50.0	57.8	-0.1	-0.3	322.4	8.18	108.7
04.22.2021	21:06:48	S	3418.04	W	157.32	10.3	4.6	2.2	53.4	59.9	0.0	-0.2	320.0	8.18	108.7
04.22.2021	21:07:48	S	3418.04	W	157.09	12.1	4.6	2.6	58.2	58.2	-0.0	-0.3	322.2	8.18	108.7
04.22.2021	21:08:54	S	3418.04	W	156.83	12.0	4.6	2.6	57.5	57.4	-0.1	-0.3	322.0	8.18	108.7
04.22.2021	21:09:54	S	3418.03	W	156.61	10.3	4.6	2.2	51.6	56.9	-0.1	-0.3	320.9	8.14	108.7
04.22.2021	21:10:54	S	3418.03	W	156.39	8.4	4.6	1.8	52.2	57.1	-0.0	-0.3	322.3	8.14	108.7
04.22.2021	21:11:54	S	3418.03	W	156.15	13.2	4.6	2.8	58.2	58.7	-0.0	-0.3	318.7	8.14	108.7
04.22.2021	21:12:54	S	3418.03	W	155.95	13.8	4.7	2.9	54.2	59.3	-0.1	-0.3	317.1	8.16	108.7
04.22.2021	21:13:54	S	3418.04	W	155.7	9.2	4.6	1.9	57.1	58.5	-0.0	-0.2	321.4	8.18	108.7
04.22.2021	21:14:54	S	3418.05	W	155.5	10.2	4.6	2.2	45.7	58.1	0.0	-0.3	317.2	8.14	108.5
04.22.2021	21:15:54	S	3418.06	W	155.25	13.5	4.6	2.9	51.4	58.6	-0.1	-0.3	317.1	8.18	108.7
04.22.2021	21:16:54	S	3418.06	W	155.01	11.6	4.6	2.5	46.3	57.3	-0.0	-0.3	317.2	8.18	108.7
04.22.2021	21:17:54	S	3418.07	W	154.81	12.5	4.6	2.7	49.5	57.2	-0.1	-0.3	314.1	8.14	108.7
04.22.2021	21:18:54	S	3418.07	W	154.57	14.4	4.6	3.1	53.0	60.9	0.0	-0.2	316.7	8.18	108.7
04.22.2021	21:19:54	S	3418.08	W	154.33	9.6	4.6	2.0	54.0	59.8	0.0	-0.3	317.8	8.14	108.7
04.22.2021	21:20:54	S	3418.09	W	154.08	7.8	4.6	1.7	51.5	59.4	0.0	-0.2	322.2	8.16	108.7
04.22.2021	21:21:54	S	3418.1	W	153.88	11.5	4.6	2.5	55.3	59.7	-0.0	-0.2	320.7	8.18	108.7
04.22.2021	21:22:54	S	3418.1	W	153.66	12.4	4.6	2.7	50.6	57.8	-0.0	-0.3	323.5	8.18	108.7
04.22.2021	21:23:54	S	3418.11	W	153.4	7.6	4.6	1.6	56.2	58.2	0.0	-0.2	322.2	8.16	108.7
04.22.2021	21:24:54	S	3418.12	W	153.18	11.1	4.6	2.3	53.3	63.8	-0.1	-0.3	321.2	8.16	108.7
04.22.2021	21:25:54	S	3418.14	W	152.94	14.4	4.6	3.1	53.4	67.3	-0.0	-0.3	321.1	8.14	108.7
04.22.2021	21:26:54	S	3418.15	W	152.72	11.9	4.6	2.6	52.2	68.0	-0.0	-0.3	321.7	8.18	108.7
04.22.2021	21:27:54	S	3418.17	W	152.48	9.1	4.6	1.9	49.8	67.3	-0.0	-0.2	319.6	8.14	108.7
04.22.2021	21:28:49	S	3418.18	W	152.25	13.0	4.6	2.8	59.9	65.5	-0.1	-0.3	320.3	8.14	108.7
04.22.2021	21:29:49	S	3418.19	W	152.03	10.3	4.7	2.2	50.2	64.5	-0.0	-0.3	318.2	8.18	108.7
04.22.2021	21:30:49	S	3418.2	W	151.8	13.0	4.6	2.8	58.3	65.3	-0.1	-0.3	319.5	8.18	108.7
04.22.2021	21:31:49	S	3418.22	W	151.55	10.2	4.6	2.1	55.6	64.1	-0.0	-0.2	313.3	8.14	108.7
04.22.2021	21:32:49	S	3418.23	W	151.34	13.2	4.6	2.8	58.6	64.1	0.0	-0.2	318.5	8.13	108.7
04.22.2021	21:33:49	S	3418.24	W	151.08	10.7	4.6	2.3	52.8	64.3	0.0	-0.3	312.1	8.16	108.7
04.22.2021	21:34:49	S	3418.25	W	150.87	11.3	4.6	2.4	52.7	64.6	-0.2	-0.4	317.5	8.18	108.7

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	21:35:49	S	3418.26	W	150.65	10.0	4.6	2.2	54.2	64.9	-0.1	-0.3	321.8	8.18	108.7
04.22.2021	21:36:49	S	3418.28	W	150.39	13.1	4.6	2.8	52.9	67.6	-0.1	-0.3	321.5	8.16	108.7
04.22.2021	21:37:49	S	3418.29	W	150.17	8.9	4.6	1.9	59.2	69.3	-0.0	-0.2	322.1	8.16	108.7
04.22.2021	21:38:48	S	3418.3	W	149.95	13.4	4.7	2.8	51.0	67.2	-0.0	-0.2	323.9	8.18	108.7
04.22.2021	21:39:48	S	3418.32	W	149.7	8.8	4.6	1.9	57.8	64.9	-0.1	-0.3	324.4	8.18	108.7
04.22.2021	21:40:48	S	3418.33	W	149.49	9.5	4.6	2.0	55.2	65.4	0.0	-0.2	322.9	8.18	108.7
04.22.2021	21:41:48	S	3418.35	W	149.24	11.8	4.6	2.5	57.6	65.2	-0.0	-0.3	320.3	8.18	108.7
04.22.2021	21:42:48	S	3418.36	W	149.03	14.2	4.6	3.0	53.9	65.6	-0.0	-0.3	321.9	8.16	108.7
04.22.2021	21:43:48	S	3418.37	W	148.78	8.5	4.6	1.8	56.2	58.7	-0.1	-0.3	321.9	8.18	108.7
04.22.2021	21:44:48	S	3418.38	W	148.53	11.1	4.7	2.3	55.2	58.7	0.0	-0.1	322.1	8.14	108.7
04.22.2021	21:45:48	S	3418.4	W	148.3	11.6	4.6	2.4	54.6	57.9	0.0	-0.2	320.4	8.14	108.7
04.22.2021	21:46:48	S	3418.42	W	148.07	12.3	4.6	2.7	51.7	57.0	-0.1	-0.3	319.2	8.16	108.7
04.22.2021	21:47:48	S	3418.43	W	147.85	10.6	4.6	2.3	52.4	57.5	-0.0	-0.3	315.3	8.16	108.7
04.22.2021	21:48:48	S	3418.45	W	147.6	9.6	4.6	2.0	47.1	56.6	-0.1	-0.3	316.3	8.18	108.7
04.22.2021	21:49:48	S	3418.46	W	147.35	11.0	4.6	2.4	52.7	57.4	-0.1	-0.3	314.9	8.18	108.7
04.22.2021	21:50:48	S	3418.47	W	147.13	10.8	4.7	2.3	50.3	56.4	0.0	-0.2	319.7	8.18	108.7
04.22.2021	21:51:48	S	3418.49	W	146.92	13.0	4.6	2.8	61.5	56.5	-0.1	-0.3	317.4	8.14	108.7
04.22.2021	21:52:48	S	3418.51	W	146.65	14.1	4.6	3.0	51.8	58.8	0.0	-0.2	320.7	8.14	108.7
04.22.2021	21:53:48	S	3418.52	W	146.42	9.2	4.6	1.9	56.7	60.6	-0.0	-0.3	322.4	8.18	108.7
04.22.2021	21:54:48	S	3418.53	W	146.17	8.2	4.6	1.7	51.7	59.7	-0.1	-0.3	322.7	8.18	108.7
04.22.2021	21:55:48	S	3418.54	W	145.97	12.4	4.6	2.7	52.4	58.1	-0.0	-0.3	319.8	8.18	108.7
04.22.2021	21:56:48	S	3418.56	W	145.73	11.8	4.7	2.5	50.7	57.4	-0.1	-0.3	322.5	8.18	108.7
04.22.2021	21:57:48	S	3418.57	W	145.51	9.1	4.6	1.9	54.0	58.8	0.0	-0.2	321.8	8.18	108.7
04.22.2021	21:58:47	S	3418.58	W	145.26	10.3	4.6	2.2	47.2	57.0	-0.0	-0.3	322.0	8.16	108.7
04.22.2021	21:59:47	S	3418.59	W	145.01	14.0	4.6	3.0	56.9	57.6	-0.0	-0.3	320.6	8.18	108.7
04.22.2021	22:00:47	S	3418.61	W	144.79	8.8	4.6	1.9	51.8	58.9	0.0	-0.2	321.1	8.18	108.7
04.22.2021	22:01:47	S	3418.62	W	144.55	8.6	4.6	1.8	47.7	58.7	-0.0	-0.3	318.2	8.14	108.7
04.22.2021	22:02:47	S	3418.64	W	144.3	12.6	4.6	2.7	52.4	58.8	-0.1	-0.3	317.3	8.18	108.7
04.22.2021	22:03:47	S	3418.65	W	144.08	11.9	4.6	2.6	59.5	57.6	0.0	-0.2	315.5	8.14	108.7
04.22.2021	22:04:47	S	3418.66	W	143.84	12.2	4.7	2.5	58.7	58.2	-0.1	-0.3	314.0	8.18	108.7
04.22.2021	22:05:47	S	3418.68	W	143.61	11.1	4.6	2.4	47.4	56.0	-0.1	-0.3	311.3	8.18	108.7
04.22.2021	22:06:47	S	3418.7	W	143.34	13.9	4.6	3.0	52.8	56.2	-0.1	-0.3	315.1	8.18	108.7
04.22.2021	22:07:47	S	3418.71	W	143.14	10.8	4.6	2.3	51.8	63.1	-0.1	-0.3	319.8	8.18	108.7
04.22.2021	22:08:51	S	3418.72	W	142.9	12.5	4.6	2.7	55.2	63.5	0.0	-0.2	317.3	8.14	108.7
04.22.2021	22:09:51	S	3418.74	W	142.64	12.6	4.6	2.7	53.9	64.6	-0.1	-0.3	322.8	8.18	108.7
04.22.2021	22:10:51	S	3418.75	W	142.42	11.1	4.6	2.4	51.7	64.0	-0.1	-0.3	321.9	8.16	108.7
04.22.2021	22:11:51	S	3418.77	W	142.19	9.8	4.6	2.1	49.8	63.8	-0.1	-0.3	322.0	8.18	108.7
04.22.2021	22:12:51	S	3418.78	W	141.92	12.6	4.6	2.7	55.2	64.4	-0.0	-0.3	322.0	8.18	108.7

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	22:13:51	S	3418.8	W	141.71	13.2	4.6	2.8	54.9	63.6	0.0	-0.2	321.2	8.16	108.7
04.22.2021	22:14:51	S	3418.81	W	141.47	9.2	4.6	1.9	47.3	63.8	0.0	-0.2	320.2	8.18	108.7
04.22.2021	22:15:51	S	3418.83	W	141.23	8.4	4.6	1.8	48.5	63.5	0.1	-0.2	321.8	8.14	108.7
04.22.2021	22:16:51	S	3418.84	W	140.98	10.0	4.6	2.1	56.2	66.3	0.0	-0.2	317.7	8.16	108.7
04.22.2021	22:17:51	S	3418.86	W	140.73	10.4	4.6	2.2	51.6	65.9	-0.1	-0.3	321.7	8.18	108.7
04.22.2021	22:18:49	S	3418.87	W	140.49	9.0	4.6	1.9	51.0	66.3	-0.1	-0.3	315.7	8.18	108.7
04.22.2021	22:19:49	S	3418.88	W	140.27	12.5	4.7	2.6	55.4	66.5	-0.0	-0.3	317.7	8.18	108.7
04.22.2021	22:20:49	S	3418.89	W	140.01	12.4	4.7	2.6	54.0	63.7	0.0	-0.2	315.4	8.18	108.7
04.22.2021	22:21:49	S	3418.91	W	139.76	8.4	4.6	1.8	49.3	64.3	-0.1	-0.3	317.5	8.18	108.7
04.22.2021	22:22:49	S	3418.92	W	139.54	8.3	4.6	1.8	51.2	64.2	-0.1	-0.3	316.2	8.18	108.7
04.22.2021	22:23:49	S	3418.93	W	139.29	12.8	4.6	2.7	52.6	64.2	0.0	-0.2	318.7	8.18	108.7
04.22.2021	22:24:49	S	3418.94	W	139.05	10.2	4.6	2.1	52.7	64.7	-0.0	-0.3	321.2	8.18	108.7
04.22.2021	22:25:49	S	3418.95	W	138.81	7.6	4.6	1.6	49.7	64.4	-0.1	-0.3	322.4	8.18	108.7
04.22.2021	22:26:49	S	3418.95	W	138.59	13.0	4.7	2.7	56.7	59.3	-0.0	-0.3	323.0	8.18	108.7
04.22.2021	22:27:49	S	3418.96	W	138.37	13.9	4.7	2.9	48.7	57.2	0.0	-0.2	323.3	8.16	108.7
04.22.2021	22:28:47	S	3418.98	W	138.09	7.6	4.6	1.6	49.5	56.8	-0.1	-0.3	322.4	8.18	108.7
04.22.2021	22:29:47	S	3418.99	W	137.86	9.0	4.6	1.9	52.0	57.5	0.0	-0.3	321.0	8.18	108.7
04.22.2021	22:30:47	S	3419.01	W	137.61	9.3	4.7	2.0	59.0	58.3	-0.1	-0.3	323.5	8.14	108.7
04.22.2021	22:31:47	S	3419.02	W	137.4	7.0	4.6	1.5	51.0	57.3	0.0	-0.2	321.7	8.14	108.7
04.22.2021	22:32:47	S	3419.03	W	137.14	10.8	4.6	2.3	55.0	57.5	-0.1	-0.3	317.8	8.14	108.7
04.22.2021	22:33:47	S	3419.04	W	136.95	12.1	4.6	2.6	57.9	57.5	-0.0	-0.3	321.0	8.18	108.7
04.22.2021	22:34:47	S	3419.05	W	136.68	12.6	4.6	2.7	49.5	56.9	-0.0	-0.2	319.0	8.18	108.7
04.22.2021	22:35:47	S	3419.06	W	136.42	6.9	4.7	1.4	53.1	56.8	-0.0	-0.3	315.6	8.16	108.7
04.22.2021	22:36:47	S	3419.07	W	136.2	12.4	4.7	2.6	53.6	56.5	-0.2	-0.4	317.7	8.18	108.7
04.22.2021	22:37:47	S	3419.08	W	135.96	12.8	4.7	2.7	53.9	56.9	-0.0	-0.3	318.4	8.18	108.7
04.22.2021	22:38:48	S	3419.1	W	135.7	9.9	4.6	2.1	50.1	57.4	0.0	-0.2	314.1	8.18	108.7
04.22.2021	22:39:48	S	3419.11	W	135.45	11.1	4.6	2.4	53.8	56.5	-0.1	-0.3	320.1	8.16	108.7
04.22.2021	22:40:48	S	3419.12	W	135.25	9.9	4.6	2.1	50.3	57.0	-0.0	-0.3	322.5	8.18	108.7
04.22.2021	22:41:48	S	3419.13	W	135.01	14.0	4.6	3.0	45.8	56.9	-0.1	-0.3	322.8	8.18	108.7
04.22.2021	22:42:48	S	3419.14	W	134.77	7.2	4.6	1.5	55.4	57.9	0.0	-0.2	322.6	8.18	108.7
04.22.2021	22:43:48	S	3419.15	W	134.52	11.0	4.7	2.3	53.4	58.0	-0.1	-0.3	321.9	8.18	108.7
04.22.2021	22:44:48	S	3419.16	W	134.26	12.5	4.7	2.6	52.8	57.4	0.0	-0.3	322.7	8.18	108.7
04.22.2021	22:45:48	S	3419.17	W	134.03	10.4	4.7	2.2	50.7	57.7	-0.1	-0.3	321.1	8.16	108.7
04.22.2021	22:46:48	S	3419.18	W	133.79	11.6	4.6	2.5	47.8	57.7	0.0	-0.2	321.5	8.18	108.7
04.22.2021	22:47:48	S	3419.19	W	133.53	11.0	4.6	2.3	46.2	57.6	-0.1	-0.3	321.8	8.14	108.7
04.22.2021	22:48:56	S	3419.2	W	133.33	10.0	4.6	2.1	53.2	56.9	-0.0	-0.3	319.7	8.14	108.7
04.22.2021	22:49:56	S	3419.21	W	133.07	8.9	4.6	1.9	52.5	59.1	-0.1	-0.3	318.8	8.18	108.7
04.22.2021	22:50:56	S	3419.22	W	132.86	10.2	4.7	2.1	49.1	57.8	-0.1	-0.3	317.9	8.18	108.7

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	22:51:56	S	3419.23	W	132.6	11.2	4.7	2.4	51.7	58.1	-0.0	-0.2	316.0	8.18	108.7
04.22.2021	22:52:56	S	3419.24	W	132.35	9.0	4.6	1.9	55.5	57.0	-0.1	-0.3	316.6	8.18	108.7
04.22.2021	22:53:56	S	3419.25	W	132.12	10.5	4.6	2.2	51.2	63.2	-0.1	-0.3	314.5	8.18	108.7
04.22.2021	22:54:56	S	3419.26	W	131.89	13.4	4.6	2.8	55.5	63.2	-0.1	-0.3	314.6	8.18	108.7
04.22.2021	22:55:56	S	3419.26	W	131.62	9.4	4.6	2.0	53.7	63.1	0.0	-0.2	315.6	8.14	108.7
04.22.2021	22:56:56	S	3419.27	W	131.43	10.4	4.6	2.2	54.9	63.5	-0.0	-0.3	317.9	8.18	108.7
04.22.2021	22:57:56	S	3419.28	W	131.16	14.2	4.6	3.0	53.2	63.7	-0.1	-0.3	320.9	8.18	108.7
04.22.2021	22:58:51	S	3419.29	W	130.91	11.4	4.7	2.4	50.5	63.8	0.0	-0.2	324.5	8.18	108.7
04.22.2021	22:59:51	S	3419.3	W	130.68	8.5	4.6	1.8	51.8	63.6	0.0	-0.2	322.8	8.18	108.7
04.22.2021	23:00:51	S	3419.31	W	130.45	12.2	4.6	2.6	51.3	64.5	-0.0	-0.3	321.2	8.18	108.7
04.22.2021	23:01:51	S	3419.32	W	130.22	13.5	4.7	2.8	49.0	64.8	-0.1	-0.3	322.6	8.16	108.7
04.22.2021	23:02:51	S	3419.33	W	129.98	12.0	4.6	2.6	52.0	64.3	-0.1	-0.3	323.6	8.14	108.7
04.22.2021	23:03:51	S	3419.34	W	129.73	10.1	4.6	2.1	48.7	66.6	-0.0	-0.3	321.5	8.18	108.7
04.22.2021	23:04:51	S	3419.35	W	129.47	11.7	4.7	2.4	51.0	67.0	0.1	-0.2	321.9	8.18	108.7
04.22.2021	23:05:51	S	3419.36	W	129.24	13.6	4.7	2.8	49.5	67.0	-0.1	-0.3	317.7	8.18	108.7
04.22.2021	23:06:51	S	3419.37	W	129.02	11.7	4.7	2.4	48.7	66.9	-0.1	-0.3	320.9	8.18	108.7
04.22.2021	23:07:51	S	3419.39	W	128.78	12.0	4.7	2.5	51.1	64.3	-0.0	-0.3	316.6	8.14	108.7
04.22.2021	23:08:48	S	3419.41	W	128.54	13.8	4.6	3.0	52.8	65.3	-0.1	-0.3	316.9	8.16	108.7
04.22.2021	23:09:48	S	3419.42	W	128.31	10.3	4.6	2.2	54.1	64.5	-0.1	-0.3	312.2	8.16	108.7
04.22.2021	23:10:48	S	3419.43	W	128.08	8.6	4.7	1.8	55.0	64.2	-0.1	-0.3	318.6	8.18	108.7
04.22.2021	23:11:48	S	3419.44	W	127.84	13.9	4.7	2.9	53.0	59.0	0.0	-0.3	318.1	8.18	108.7
04.22.2021	23:12:48	S	3419.46	W	127.61	12.6	4.7	2.6	46.3	58.8	-0.1	-0.3	319.8	8.18	108.7
04.22.2021	23:13:48	S	3419.47	W	127.37	10.2	4.6	2.1	49.3	59.7	-0.0	-0.3	321.4	8.18	108.7
04.22.2021	23:14:48	S	3419.48	W	127.13	12.0	4.6	2.6	53.2	58.8	-0.0	-0.2	322.2	8.18	108.7
04.22.2021	23:15:48	S	3419.49	W	126.9	12.1	4.7	2.5	58.7	59.7	-0.1	-0.4	321.9	8.12	108.5
04.22.2021	23:16:48	S	3419.49	W	126.66	11.8	4.7	2.5	54.1	57.8	0.0	-0.2	322.7	8.18	108.7
04.22.2021	23:17:48	S	3419.5	W	126.43	10.4	4.7	2.2	49.9	58.2	-0.1	-0.3	322.5	8.16	108.7
04.22.2021	23:18:48	S	3419.51	W	126.2	13.5	4.7	2.8	51.7	57.9	-0.1	-0.4	321.7	8.16	108.7
04.22.2021	23:19:48	S	3419.51	W	125.97	9.4	4.7	2.0	58.4	60.2	-0.1	-0.3	321.4	8.18	108.7
04.22.2021	23:20:48	S	3419.52	W	125.74	11.4	4.7	2.4	51.0	59.1	-0.1	-0.3	322.8	8.16	108.7
04.22.2021	23:21:48	S	3419.53	W	125.5	11.5	4.7	2.4	52.2	57.2	-0.1	-0.3	319.4	8.16	108.7
04.22.2021	23:22:48	S	3419.54	W	125.27	15.0	4.7	3.2	51.2	57.7	0.1	-0.2	320.3	8.16	108.7
04.22.2021	23:23:48	S	3419.55	W	125.03	10.6	4.7	2.3	55.5	57.5	-0.1	-0.3	317.0	8.18	108.7
04.22.2021	23:24:48	S	3419.56	W	124.78	11.7	4.7	2.4	55.3	57.5	0.0	-0.2	315.5	8.18	108.7
04.22.2021	23:25:48	S	3419.57	W	124.58	12.0	4.7	2.5	51.1	57.0	-0.1	-0.3	316.6	8.18	108.7
04.22.2021	23:26:48	S	3419.59	W	124.32	8.5	4.6	1.8	54.8	57.4	-0.1	-0.3	314.0	8.16	108.7
04.22.2021	23:27:48	S	3419.6	W	124.11	8.6	4.7	1.8	53.1	57.3	-0.1	-0.3	317.2	8.15	108.5
04.22.2021	23:28:49	S	3419.6	W	123.9	13.2	4.7	2.7	51.0	56.8	-0.1	-0.3	320.2	8.15	107.9

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.22.2021	23:29:49	S	3419.61	W	123.63	11.5	4.7	2.4	49.6	56.5	0.0	-0.2	321.4	8.16	108.7
04.22.2021	23:30:49	S	3419.62	W	123.42	10.8	4.7	2.3	50.0	57.4	-0.0	-0.3	321.6	8.18	108.7
04.22.2021	23:31:49	S	3419.63	W	123.19	11.4	4.7	2.4	53.5	60.9	-0.0	-0.3	321.7	8.18	108.7
04.22.2021	23:32:49	S	3419.65	W	122.95	11.6	4.6	2.5	56.3	61.1	-0.0	-0.3	320.7	8.14	108.7
04.22.2021	23:33:49	S	3419.66	W	122.69	9.2	4.7	1.9	52.1	60.4	-0.1	-0.3	321.8	8.15	108.5
04.22.2021	23:34:49	S	3419.67	W	122.46	9.8	4.7	2.1	42.4	60.0	-0.1	-0.3	322.2	8.16	108.7
04.22.2021	23:35:49	S	3419.68	W	122.25	12.4	4.6	2.7	48.4	66.7	0.0	-0.3	321.5	8.18	108.7
04.22.2021	23:36:49	S	3419.69	W	122.01	9.7	4.6	2.0	59.0	67.0	-0.1	-0.2	320.7	8.14	108.7
04.22.2021	23:37:49	S	3419.7	W	121.78	11.6	4.7	2.4	54.8	67.1	-0.0	-0.3	318.7	8.16	108.7
04.22.2021	23:38:51	S	3419.71	W	121.57	16.1	4.7	3.4	54.2	66.9	0.0	-0.3	314.9	8.18	108.7
04.22.2021	23:39:51	S	3419.72	W	121.29	10.2	4.7	2.1	57.9	67.0	-0.0	-0.2	317.8	8.18	108.7
04.22.2021	23:40:51	S	3419.73	W	121.08	9.1	4.6	1.9	53.2	67.9	-0.1	-0.3	314.3	8.16	108.7
04.22.2021	23:41:51	S	3419.75	W	120.83	10.4	4.6	2.2	52.9	67.6	0.0	-0.2	316.5	8.18	108.7
04.22.2021	23:42:51	S	3419.76	W	120.62	15.3	4.7	3.2	50.8	67.1	-0.1	-0.3	318.1	8.16	108.7
04.22.2021	23:43:51	S	3419.78	W	120.38	8.2	4.7	1.7	51.0	66.7	-0.1	-0.4	318.2	8.18	108.7
04.22.2021	23:44:50	S	3419.79	W	120.18	11.3	4.7	2.4	54.3	66.9	-0.1	-0.3	320.1	8.16	108.7
04.22.2021	23:45:50	S	3419.8	W	119.93	14.2	4.7	2.9	53.6	67.0	-0.1	-0.3	322.9	8.16	108.7
04.22.2021	23:46:50	S	3419.81	W	119.69	9.9	4.7	2.1	55.3	68.6	-0.1	-0.3	322.5	8.16	108.7
04.22.2021	23:47:50	S	3419.82	W	119.47	10.9	4.7	2.3	48.1	67.4	-0.0	-0.3	321.8	8.16	108.7
04.22.2021	23:48:48	S	3419.84	W	119.22	12.8	4.7	2.7	53.7	67.7	-0.1	-0.3	321.4	8.18	108.7
04.22.2021	23:49:48	S	3419.86	W	118.98	10.5	4.7	2.2	60.2	68.5	0.0	-0.2	322.1	8.13	108.7
04.22.2021	23:50:48	S	3419.87	W	118.77	13.0	4.6	2.8	46.6	67.6	-0.1	-0.3	321.6	8.18	108.7
04.22.2021	23:51:48	S	3419.89	W	118.52	11.2	4.7	2.3	52.0	68.4	0.0	-0.2	323.1	8.18	108.7
04.22.2021	23:52:48	S	3419.9	W	118.27	11.9	4.7	2.5	50.1	68.0	-0.1	-0.4	320.3	8.16	108.7
04.22.2021	23:53:48	S	3419.92	W	118.05	10.7	4.6	2.3	47.2	68.0	-0.1	-0.3	321.7	8.18	108.7
04.22.2021	23:54:48	S	3419.92	W	117.82	9.1	4.6	1.9	55.1	64.2	-0.1	-0.4	316.3	8.18	108.7
04.22.2021	23:55:48	S	3419.92	W	117.58	10.8	4.7	2.3	57.2	64.0	-0.1	-0.3	319.7	8.16	108.7
04.22.2021	23:56:48	S	3419.94	W	117.32	10.8	4.7	2.3	55.7	66.9	0.0	-0.2	313.9	8.18	108.7
04.22.2021	23:57:48	S	3419.94	W	117.09	8.6	4.6	1.8	53.5	57.3	-0.0	-0.2	317.0	8.18	108.7
04.22.2021	23:58:57	S	3419.95	W	116.88	10.5	4.6	2.2	55.4	58.8	-0.0	-0.3	312.5	8.18	108.7
04.22.2021	23:59:57	S	3419.95	W	116.67	12.3	4.6	2.6	58.0	56.6	0.0	-0.3	319.2	8.18	108.7

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	00:00:57	S	3406.75	W	643.13	2.8	3.82	135	3.19	35.4	4.2	1.4	19.2	3.65	0.73
04.22.2021	00:01:57	S	3406.76	W	642.85	2.8	3.82	135	3.19	35.4	4.2	1.4	19.0	3.76	0.74
04.22.2021	00:02:57	S	3406.76	W	642.62	2.8	3.82	135	3.19	35.4	4.2	1.4	19.0	3.80	0.78
04.22.2021	00:03:57	S	3406.77	W	642.4	2.8	3.82	135	3.19	35.4	4.2	1.4	19.2	3.79	0.73
04.22.2021	00:04:57	S	3406.78	W	642.18	2.8	3.82	135	3.19	35.4	4.2	1.4	19.1	3.67	0.77
04.22.2021	00:05:57	S	3406.78	W	642.18	2.8	3.82	135	3.19	35.4	4.2	1.4	19.1	3.70	0.72
04.22.2021	00:06:57	S	3406.78	W	641.69	2.8	3.82	135	3.19	35.4	4.2	1.4	19.1	3.78	0.77
04.22.2021	00:07:57	S	3406.78	W	641.45	2.8	3.82	135	3.19	35.4	4.1	1.3	19.0	3.74	0.72
04.22.2021	00:08:57	S	3406.78	W	641.22	2.8	3.82	135	3.19	35.4	4.1	1.3	19.0	3.77	0.77
04.22.2021	00:09:57	S	3406.79	W	641.01	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.75	0.71
04.22.2021	00:10:54	S	3406.8	W	640.77	2.8	3.82	135	3.19	35.4	4.2	1.3	19.0	3.78	0.74
04.22.2021	00:11:54	S	3406.81	W	640.53	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.76	0.74
04.22.2021	00:12:54	S	3406.82	W	640.27	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.85	0.80
04.22.2021	00:13:54	S	3406.82	W	640.04	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.68	0.77
04.22.2021	00:14:54	S	3406.83	W	639.82	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.71	0.75
04.22.2021	00:15:54	S	3406.84	W	639.58	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.76	0.78
04.22.2021	00:16:54	S	3406.85	W	639.33	2.8	3.82	135	3.19	35.4	4.2	1.3	18.8	3.77	0.76
04.22.2021	00:17:54	S	3406.85	W	639.11	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.72	0.76
04.22.2021	00:18:54	S	3406.86	W	638.87	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.73	0.75
04.22.2021	00:19:54	S	3406.86	W	638.62	2.8	3.82	135	3.19	35.4	4.2	1.3	19.3	3.77	0.77
04.22.2021	00:20:53	S	3406.87	W	638.41	2.8	3.82	135	3.19	35.4	4.2	1.3	19.3	3.80	0.58
04.22.2021	00:21:53	S	3406.88	W	638.16	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.75	0.78
04.22.2021	00:22:53	S	3406.88	W	637.94	2.8	3.82	135	3.19	35.4	4.2	1.3	19.0	3.64	0.75
04.22.2021	00:23:53	S	3406.89	W	637.7	2.8	3.82	135	3.19	35.4	4.3	1.4	19.1	3.76	0.75
04.22.2021	00:24:53	S	3406.89	W	637.45	2.8	3.82	135	3.19	35.4	4.2	1.4	19.2	3.67	0.69
04.22.2021	00:25:53	S	3406.89	W	637.23	2.8	3.82	135	3.19	35.4	4.2	1.4	19.2	3.72	0.72
04.22.2021	00:26:53	S	3406.9	W	636.94	2.8	3.82	135	3.19	35.4	4.3	1.4	19.1	3.71	0.71
04.22.2021	00:27:53	S	3406.91	W	636.76	2.8	3.82	135	3.19	35.4	4.3	1.4	19.0	3.78	0.76
04.22.2021	00:28:53	S	3406.92	W	636.5	2.8	3.82	135	3.19	35.4	4.2	1.4	18.9	3.78	0.79
04.22.2021	00:29:53	S	3406.93	W	636.25	2.8	3.82	135	3.19	35.4	4.2	1.4	19.1	3.71	0.73
04.22.2021	00:30:57	S	3406.93	W	636	2.8	3.82	135	3.19	35.4	4.1	1.4	19.2	3.74	0.79
04.22.2021	00:31:57	S	3406.94	W	635.78	2.8	3.82	135	3.19	35.4	4.2	1.4	19.3	3.73	0.77
04.22.2021	00:32:57	S	3406.94	W	635.53	2.8	3.82	135	3.19	35.4	4.2	1.4	19.5	3.70	0.76
04.22.2021	00:33:57	S	3406.94	W	635.41	2.8	3.82	135	3.19	35.4	4.2	1.4	19.5	3.69	0.71
04.22.2021	00:34:57	S	3406.94	W	635.41	2.8	3.82	135	3.19	35.4	4.2	1.4	19.6	3.64	0.72
04.22.2021	00:35:57	S	3406.97	W	634.8	2.8	3.82	135	3.19	35.4	4.3	1.4	19.5	3.73	0.74
04.22.2021	00:36:57	S	3406.98	W	634.56	2.8	3.82	135	3.19	35.4	4.2	1.4	19.4	3.71	0.75
04.22.2021	00:37:57	S	3406.99	W	634.34	2.8	3.82	135	3.19	35.4	4.2	1.4	19.3	3.70	0.70

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	00:38:57	S	3407	W	634.09	2.8	3.82	135	3.19	35.4	4.1	1.4	19.4	3.83	0.76	
04.22.2021	00:39:57	S	3407	W	633.85	2.8	3.82	135	3.19	35.4	4.1	1.3	19.6	3.70	0.72	
04.22.2021	00:40:59	S	3407.01	W	633.6	2.8	3.82	135	3.19	35.4	4.1	1.4	19.7	3.80	0.75	
04.22.2021	00:41:59	S	3407.01	W	633.39	2.8	3.82	135	3.19	35.4	4.1	1.4	19.7	3.79	0.78	
04.22.2021	00:42:59	S	3407.02	W	633.15	2.8	3.82	135	3.19	35.4	4.1	1.4	19.7	3.69	0.73	
04.22.2021	00:43:59	S	3407.03	W	632.91	2.8	3.82	135	3.19	35.4	4.2	1.4	19.4	3.74	0.74	
04.22.2021	00:44:59	S	3407.04	W	632.64	2.8	3.82	135	3.19	35.4	4.2	1.4	19.4	3.74	0.72	
04.22.2021	00:45:59	S	3407.04	W	632.42	2.8	3.82	135	3.19	35.4	4.2	1.4	19.3	3.75	0.72	
04.22.2021	00:46:59	S	3407.05	W	632.17	2.8	3.82	135	3.19	35.4	4.1	1.4	19.2	3.69	0.73	
04.22.2021	00:47:59	S	3407.06	W	631.93	2.8	3.82	135	3.19	35.4	4.1	1.4	19.3	3.72	0.77	
04.22.2021	00:48:59	S	3407.07	W	631.72	2.8	3.82	135	3.19	35.4	4.1	1.3	19.3	3.64	0.67	
04.22.2021	00:49:59	S	3407.07	W	631.48	2.8	3.82	135	3.19	35.4	4.1	1.3	19.3	3.68	0.74	
04.22.2021	00:50:54	S	3407.08	W	631.2	2.8	3.82	135	3.19	35.4	4.1	1.3	19.5	3.77	0.74	
04.22.2021	00:51:54	S	3407.09	W	630.97	2.8	3.82	135	3.19	35.4	4.1	1.3	19.6	3.74	0.76	
04.22.2021	00:52:54	S	3407.1	W	630.75	2.8	3.82	135	3.19	35.4	4.1	1.3	19.5	3.72	0.74	
04.22.2021	00:53:54	S	3407.12	W	630.5	2.8	3.82	135	3.19	35.4	4.1	1.3	19.2	3.76	0.77	
04.22.2021	00:54:54	S	3407.15	W	630.25	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.81	0.78	
04.22.2021	00:55:54	S	3407.17	W	630.02	2.8	3.82	135	3.19	35.4	4.1	1.3	19.2	3.74	0.74	
04.22.2021	00:56:54	S	3407.19	W	629.8	2.8	3.82	135	3.19	35.4	4.1	1.3	19.5	3.69	0.76	
04.22.2021	00:57:54	S	3407.21	W	629.53	2.8	3.82	135	3.19	35.4	4.1	1.3	19.5	3.72	0.72	
04.22.2021	00:58:54	S	3407.22	W	629.29	2.8	3.82	135	3.19	35.4	4.1	1.3	19.9	3.77	0.80	
04.22.2021	00:59:54	S	3407.24	W	629.08	2.8	3.82	135	3.19	35.4	4.2	1.3	19.6	3.71	0.79	
04.22.2021	01:01:00	S	3407.26	W	628.85	2.8	3.82	135	3.19	35.4	4.2	1.3	19.4	3.64	0.72	
04.22.2021	01:02:00	S	3407.28	W	628.59	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.73	0.76	
04.22.2021	01:03:00	S	3407.29	W	628.34	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.75	0.77	
04.22.2021	01:04:00	S	3407.3	W	628.13	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.74	0.76	
04.22.2021	01:05:00	S	3407.32	W	627.89	2.8	3.82	135	3.19	35.4	4.2	1.3	19.3	3.71	0.75	
04.22.2021	01:06:00	S	3407.34	W	627.63	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.69	0.74	
04.22.2021	01:07:00	S	3407.36	W	627.4	2.8	3.82	135	3.19	35.4	4.2	1.3	19.5	3.64	0.68	
04.22.2021	01:08:00	S	3407.38	W	627.2	2.8	3.82	135	3.19	35.4	4.3	1.3	19.4	3.77	0.77	
04.22.2021	01:09:00	S	3407.4	W	626.94	2.8	3.82	135	3.19	35.4	4.3	1.3	19.3	3.75	0.73	
04.22.2021	01:10:00	S	3407.42	W	626.69	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.72	0.72	
04.22.2021	01:10:53	S	3407.44	W	626.48	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.80	0.76	
04.22.2021	01:11:53	S	3407.46	W	626.22	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.90	0.69	
04.22.2021	01:12:53	S	3407.48	W	626.01	2.8	3.82	135	3.19	35.4	4.2	1.3	19.2	3.74	0.69	
04.22.2021	01:13:53	S	3407.51	W	625.75	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.85	0.79	
04.22.2021	01:14:53	S	3407.53	W	625.54	2.8	3.82	135	3.19	35.4	4.2	1.3	19.1	3.74	0.72	
04.22.2021	01:15:53	S	3407.55	W	625.32	2.8	3.81	135	3.19	35.4	4.1	1.3	19.1	3.78	0.77	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	01:16:53	S	3407.57	W	625.09	2.8	3.81	135	3.19	35.4	4.2	1.2	19.1	3.65	0.75	
04.22.2021	01:17:53	S	3407.59	W	624.84	2.8	3.81	135	3.19	35.4	4.2	1.3	19.0	3.76	0.77	
04.22.2021	01:18:53	S	3407.6	W	624.59	2.8	3.81	135	3.19	35.4	4.1	1.2	19.2	3.74	0.77	
04.22.2021	01:19:53	S	3407.62	W	624.34	2.8	3.81	135	3.19	35.4	4.1	1.2	19.3	3.57	0.70	
04.22.2021	01:20:59	S	3407.63	W	624.13	2.8	3.81	135	3.19	35.4	4.2	1.3	19.3	3.77	0.79	
04.22.2021	01:21:59	S	3407.64	W	623.87	2.8	3.81	135	3.19	35.4	4.2	1.3	19.2	3.76	0.78	
04.22.2021	01:22:59	S	3407.65	W	623.65	2.8	3.81	135	3.19	35.4	4.1	1.2	19.2	3.73	0.73	
04.22.2021	01:23:59	S	3407.66	W	623.41	2.8	3.81	135	3.19	35.4	4.2	1.2	19.2	3.80	0.77	
04.22.2021	01:24:59	S	3407.67	W	623.19	2.8	3.81	135	3.19	35.4	4.2	1.2	19.1	3.83	0.78	
04.22.2021	01:25:59	S	3407.68	W	622.96	2.8	3.81	135	3.19	35.4	4.1	1.2	19.0	3.78	0.72	
04.22.2021	01:26:59	S	3407.7	W	622.72	2.8	3.81	135	3.19	35.4	4.2	1.2	19.1	3.76	0.74	
04.22.2021	01:27:59	S	3407.71	W	622.49	2.8	3.81	135	3.19	35.4	4.1	1.2	19.2	3.67	0.77	
04.22.2021	01:28:59	S	3407.73	W	622.23	2.8	3.81	135	3.19	35.4	4.2	1.2	19.5	3.79	0.80	
04.22.2021	01:29:59	S	3407.74	W	621.99	2.8	3.81	135	3.19	35.4	4.1	1.2	19.5	3.81	0.78	
04.22.2021	01:30:55	S	3407.76	W	621.78	2.8	3.81	135	3.19	35.4	4.1	1.2	19.6	3.82	0.78	
04.22.2021	01:31:55	S	3407.77	W	621.51	2.8	3.81	135	3.19	35.4	4.1	1.3	19.7	3.79	0.80	
04.22.2021	01:32:55	S	3407.78	W	621.32	2.8	3.81	135	3.19	35.4	4.1	1.2	19.5	3.70	0.74	
04.22.2021	01:33:55	S	3407.79	W	621.1	2.8	3.81	135	3.19	35.4	4.2	1.3	19.2	3.71	0.73	
04.22.2021	01:34:55	S	3407.81	W	620.83	2.8	3.81	135	3.19	35.4	4.1	1.3	19.3	3.79	0.78	
04.22.2021	01:35:55	S	3407.82	W	620.62	2.8	3.81	135	3.19	35.4	4.1	1.3	19.5	3.76	0.88	
04.22.2021	01:36:55	S	3407.83	W	620.37	2.8	3.81	135	3.19	35.4	4.1	1.3	19.5	3.59	0.71	
04.22.2021	01:37:55	S	3407.84	W	620.14	2.8	3.81	135	3.19	35.4	4.1	1.3	19.6	3.74	0.71	
04.22.2021	01:38:55	S	3407.85	W	619.95	2.8	3.81	135	3.19	35.4	4.1	1.3	19.6	3.82	0.75	
04.22.2021	01:39:55	S	3407.86	W	619.67	2.8	3.81	135	3.19	35.4	4.1	1.3	19.5	3.66	0.70	
04.22.2021	01:40:56	S	3407.87	W	619.49	2.8	3.81	135	3.19	35.4	4.2	1.3	19.2	3.80	0.79	
04.22.2021	01:41:56	S	3407.89	W	619.23	2.8	3.81	135	3.19	35.4	4.1	1.3	19.2	3.72	0.70	
04.22.2021	01:42:56	S	3407.9	W	619	2.8	3.81	135	3.19	35.4	4.3	1.3	19.4	3.69	0.70	
04.22.2021	01:43:56	S	3407.92	W	618.78	2.8	3.81	135	3.19	35.4	4.3	1.3	19.4	3.76	0.77	
04.22.2021	01:44:56	S	3407.94	W	618.56	2.8	3.81	135	3.19	35.4	4.3	1.3	19.2	3.80	0.76	
04.22.2021	01:45:56	S	3407.94	W	618.33	2.8	3.81	135	3.19	35.4	4.2	1.3	19.4	3.70	0.74	
04.22.2021	01:46:56	S	3407.95	W	618.1	2.8	3.81	135	3.19	35.4	4.2	1.3	19.5	3.72	0.74	
04.22.2021	01:47:56	S	3407.96	W	617.86	2.8	3.81	135	3.19	35.4	4.3	1.3	19.3	3.84	0.76	
04.22.2021	01:48:56	S	3407.97	W	617.63	2.8	3.81	135	3.19	35.4	4.4	1.3	19.2	3.62	0.67	
04.22.2021	01:49:56	S	3407.99	W	617.39	2.8	3.81	135	3.19	35.4	4.3	1.3	19.1	3.73	0.78	
04.22.2021	01:50:52	S	3408	W	617.15	2.8	3.81	135	3.19	35.4	4.3	1.4	19.1	3.60	0.74	
04.22.2021	01:51:52	S	3408.01	W	616.93	2.8	3.81	135	3.19	35.4	4.3	1.4	19.2	3.71	0.74	
04.22.2021	01:52:52	S	3408.02	W	616.7	2.8	3.81	135	3.19	35.4	4.2	1.4	19.1	3.66	0.75	
04.22.2021	01:53:52	S	3408.03	W	616.48	2.8	3.81	135	3.19	35.4	4.3	1.4	19.2	3.74	0.78	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	01:54:52	S	3408.04	W	616.23	2.8	3.81	135	3.19	35.4	4.3	1.4	19.2	3.82	0.78
04.22.2021	01:55:52	S	3408.06	W	616	2.8	3.81	135	3.19	35.4	4.3	1.4	19.1	3.77	0.76
04.22.2021	01:56:52	S	3408.07	W	615.74	2.8	3.81	135	3.19	35.4	4.3	1.4	18.9	3.75	0.76
04.22.2021	01:57:52	S	3408.08	W	615.53	2.8	3.81	135	3.19	35.4	4.2	1.4	19.1	3.79	0.76
04.22.2021	01:58:52	S	3408.1	W	615.31	2.8	3.81	135	3.19	35.4	4.3	1.4	19.2	3.78	0.76
04.22.2021	01:59:52	S	3408.11	W	615.05	2.8	3.81	135	3.19	35.4	4.3	1.4	19.1	3.67	0.71
04.22.2021	02:00:59	S	3408.12	W	614.86	2.8	3.81	135	3.19	35.4	4.2	1.5	19.2	3.82	0.79
04.22.2021	02:01:59	S	3408.13	W	614.58	2.8	3.81	135	3.19	35.4	4.2	1.5	19.2	3.71	0.74
04.22.2021	02:02:59	S	3408.14	W	614.35	2.8	3.81	135	3.19	35.4	4.2	1.5	19.1	3.72	0.71
04.22.2021	02:03:59	S	3408.14	W	614.15	2.8	3.81	135	3.19	35.4	4.2	1.5	19.1	3.72	0.78
04.22.2021	02:04:59	S	3408.14	W	613.9	2.8	3.81	135	3.19	35.4	4.2	1.4	19.1	3.72	0.75
04.22.2021	02:05:59	S	3408.15	W	613.66	2.8	3.81	135	3.19	35.4	4.2	1.4	19.0	3.71	0.74
04.22.2021	02:06:59	S	3408.15	W	613.4	2.8	3.81	135	3.19	35.4	4.3	1.3	19.1	3.81	0.79
04.22.2021	02:07:59	S	3408.15	W	613.2	2.8	3.81	135	3.19	35.4	4.2	1.3	19.1	3.72	0.74
04.22.2021	02:08:59	S	3408.16	W	612.92	2.8	3.81	135	3.19	35.4	4.2	1.3	19.1	3.71	0.72
04.22.2021	02:09:59	S	3408.16	W	612.69	2.8	3.81	135	3.19	35.4	4.2	1.3	19.0	3.85	0.79
04.22.2021	02:10:52	S	3408.17	W	612.5	2.8	3.81	135	3.19	35.4	4.2	1.3	18.9	3.64	0.71
04.22.2021	02:11:52	S	3408.18	W	612.22	2.8	3.81	135	3.19	35.4	4.2	1.3	19.0	3.76	0.77
04.22.2021	02:12:52	S	3408.18	W	612.01	2.8	3.81	135	3.19	35.4	4.3	1.3	19.1	3.76	0.77
04.22.2021	02:13:52	S	3408.18	W	611.78	2.8	3.81	135	3.19	35.4	4.2	1.3	19.1	3.79	0.76
04.22.2021	02:14:52	S	3408.18	W	611.56	2.8	3.78	134	3.19	35.4	4.2	1.3	19.0	3.72	0.69
04.22.2021	02:15:52	S	3408.2	W	611.29	2.8	3.78	134	3.19	35.4	4.3	1.3	19.2	3.75	0.78
04.22.2021	02:16:52	S	3408.21	W	611.07	2.8	3.78	134	3.19	35.4	4.3	1.3	19.2	3.75	0.72
04.22.2021	02:17:52	S	3408.22	W	610.83	2.8	3.78	134	3.19	35.4	4.2	1.3	19.1	3.85	0.77
04.22.2021	02:18:52	S	3408.22	W	610.6	2.8	3.78	134	3.19	35.4	4.2	1.2	19.1	3.80	0.80
04.22.2021	02:19:52	S	3408.23	W	610.36	2.8	3.78	134	3.19	35.4	4.2	1.2	19.0	3.74	0.77
04.22.2021	02:20:57	S	3408.24	W	610.13	2.8	3.77	134	3.19	35.4	4.1	1.3	19.0	3.74	0.80
04.22.2021	02:21:57	S	3408.25	W	609.89	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.68	0.81
04.22.2021	02:22:57	S	3408.24	W	609.66	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.68	0.75
04.22.2021	02:23:57	S	3408.24	W	609.53	2.8	3.77	134	3.19	35.4	4.1	1.3	19.1	3.78	0.78
04.22.2021	02:24:57	S	3408.24	W	609.53	2.8	3.77	134	3.19	35.4	4.2	1.3	19.3	3.85	0.79
04.22.2021	02:25:57	S	3408.23	W	608.94	2.8	3.77	134	3.19	35.4	4.2	1.3	19.1	3.72	0.77
04.22.2021	02:26:57	S	3408.23	W	608.94	2.8	3.77	134	3.19	35.4	4.2	1.3	19.1	3.76	0.73
04.22.2021	02:27:57	S	3408.24	W	608.49	2.8	3.77	134	3.19	35.4	4.3	1.3	18.9	3.79	0.80
04.22.2021	02:28:57	S	3408.24	W	608.24	2.8	3.77	134	3.19	35.4	4.3	1.4	18.9	3.74	0.75
04.22.2021	02:29:57	S	3408.24	W	608.04	2.8	3.77	134	3.19	35.4	4.3	1.4	19.0	3.83	0.76
04.22.2021	02:30:57	S	3408.24	W	607.77	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.67	0.73
04.22.2021	02:31:57	S	3408.25	W	607.56	2.8	3.77	134	3.19	35.4	4.3	1.3	19.0	3.72	0.71

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	02:32:57	S	3408.24	W	607.33	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.83	0.76	
04.22.2021	02:33:57	S	3408.25	W	607.07	2.8	3.77	134	3.19	35.4	4.2	1.4	19.0	3.78	0.80	
04.22.2021	02:34:57	S	3408.25	W	606.87	2.8	3.77	134	3.19	35.4	4.3	1.4	18.9	3.75	0.99	
04.22.2021	02:35:57	S	3408.25	W	606.63	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.76	0.76	
04.22.2021	02:36:57	S	3408.24	W	606.38	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.72	0.74	
04.22.2021	02:37:57	S	3408.24	W	606.16	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.67	0.69	
04.22.2021	02:38:57	S	3408.24	W	605.93	2.8	3.77	134	3.19	35.4	4.3	1.4	19.0	3.86	0.81	
04.22.2021	02:39:57	S	3408.25	W	605.7	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.66	0.71	
04.22.2021	02:40:55	S	3408.26	W	605.47	2.8	3.77	134	3.19	35.4	4.4	1.4	18.8	3.71	0.78	
04.22.2021	02:41:55	S	3408.27	W	605.21	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.78	0.76	
04.22.2021	02:42:55	S	3408.27	W	605.02	2.8	3.77	134	3.19	35.4	4.3	1.4	18.7	3.69	0.74	
04.22.2021	02:43:55	S	3408.27	W	604.77	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.74	0.73	
04.22.2021	02:44:55	S	3408.27	W	604.52	2.8	3.77	134	3.19	35.4	4.2	1.4	19.0	3.76	0.76	
04.22.2021	02:45:55	S	3408.28	W	604.28	2.8	3.77	134	3.19	35.4	4.2	1.5	19.2	3.80	0.80	
04.22.2021	02:46:55	S	3408.29	W	604.09	2.8	3.77	134	3.19	35.4	4.6	1.4	19.0	3.80	0.77	
04.22.2021	02:47:55	S	3408.31	W	603.84	2.8	3.77	134	3.19	35.4	4.4	1.4	18.9	3.74	0.76	
04.22.2021	02:48:55	S	3408.33	W	603.63	2.8	3.77	134	3.19	35.4	4.4	1.4	18.8	3.79	0.85	
04.22.2021	02:49:55	S	3408.34	W	603.42	2.8	3.77	134	3.19	35.4	4.3	1.5	18.9	3.70	0.72	
04.22.2021	02:50:58	S	3408.36	W	603.18	2.8	3.77	134	3.19	35.4	4.2	1.5	18.8	3.72	0.73	
04.22.2021	02:51:58	S	3408.37	W	602.97	2.8	3.77	134	3.19	35.4	4.2	1.5	18.8	3.71	0.74	
04.22.2021	02:52:58	S	3408.38	W	602.71	2.8	3.77	134	3.19	35.4	4.2	1.5	18.9	3.82	0.79	
04.22.2021	02:53:58	S	3408.39	W	602.47	2.8	3.77	134	3.19	35.4	4.2	1.5	18.9	3.76	0.81	
04.22.2021	02:54:58	S	3408.41	W	602.25	2.8	3.77	134	3.19	35.4	4.2	1.4	19.1	3.70	0.71	
04.22.2021	02:55:58	S	3408.42	W	602.02	2.8	3.77	134	3.19	35.4	4.3	1.4	19.0	3.75	0.75	
04.22.2021	02:56:58	S	3408.44	W	601.77	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.70	0.75	
04.22.2021	02:57:58	S	3408.45	W	601.56	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.74	0.76	
04.22.2021	02:58:58	S	3408.46	W	601.34	2.8	3.77	134	3.19	35.4	4.1	1.4	18.9	3.80	0.77	
04.22.2021	02:59:58	S	3408.47	W	601.07	2.8	3.77	134	3.19	35.4	4.1	1.4	19.1	3.77	0.77	
04.22.2021	03:00:54	S	3408.49	W	600.83	2.8	3.77	134	0.00	0.0	0.0	1.4	0.0	3.83	0.79	
04.22.2021	03:01:54	S	3408.5	W	600.62	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.72	0.73	
04.22.2021	03:02:54	S	3408.52	W	600.37	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.80	0.77	
04.22.2021	03:03:54	S	3408.53	W	600.13	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.70	0.72	
04.22.2021	03:04:54	S	3408.54	W	559.94	2.8	3.77	134	0.00	0.0	0.0	1.3	0.0	3.82	0.81	
04.22.2021	03:05:54	S	3408.56	W	559.69	2.8	3.77	134	3.19	35.4	4.3	1.3	18.6	3.75	0.77	
04.22.2021	03:06:54	S	3408.57	W	559.43	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.72	0.73	
04.22.2021	03:07:54	S	3408.58	W	559.22	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.70	0.74	
04.22.2021	03:08:54	S	3408.59	W	559	2.8	3.77	134	3.19	35.4	4.1	1.3	18.9	3.79	0.77	
04.22.2021	03:09:54	S	3408.6	W	558.75	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.65	0.81	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	03:10:55	S	3408.62	W	558.53	2.8	3.77	134	3.19	35.4	4.1	1.3	19.0	3.75	0.77	
04.22.2021	03:11:55	S	3408.63	W	558.27	2.8	3.77	134	3.19	35.4	4.2	1.3	19.1	3.64	0.69	
04.22.2021	03:12:55	S	3408.65	W	558.01	2.8	3.77	134	3.19	35.4	4.2	1.3	18.7	3.70	0.77	
04.22.2021	03:13:55	S	3408.66	W	557.8	2.8	3.77	134	3.19	35.4	4.3	1.3	18.8	3.72	0.78	
04.22.2021	03:14:55	S	3408.68	W	557.55	2.8	3.77	134	3.19	35.4	4.5	1.3	18.5	3.69	0.76	
04.22.2021	03:15:55	S	3408.69	W	557.35	2.8	3.77	134	3.19	35.4	4.4	1.3	18.6	3.86	0.77	
04.22.2021	03:16:55	S	3408.7	W	557.09	2.8	3.77	134	3.19	35.4	4.2	1.3	18.7	3.73	0.73	
04.22.2021	03:17:55	S	3408.71	W	556.85	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.78	0.80	
04.22.2021	03:18:55	S	3408.72	W	556.63	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.79	0.78	
04.22.2021	03:19:55	S	3408.74	W	556.37	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.75	0.73	
04.22.2021	03:21:00	S	3408.76	W	556.12	2.8	3.77	134	3.19	35.4	4.3	1.4	18.6	3.77	0.81	
04.22.2021	03:22:00	S	3408.77	W	555.9	2.8	3.77	134	3.19	35.4	4.4	1.4	18.5	3.76	0.77	
04.22.2021	03:23:00	S	3408.78	W	555.67	2.8	3.77	134	3.19	35.4	4.3	1.5	18.6	3.74	0.52	
04.22.2021	03:24:00	S	3408.79	W	555.43	2.8	3.77	134	3.19	35.4	4.3	1.5	18.9	3.72	0.74	
04.22.2021	03:25:00	S	3408.81	W	555.18	2.8	3.77	134	3.19	35.4	4.3	1.5	18.8	3.68	0.72	
04.22.2021	03:26:00	S	3408.82	W	554.95	2.8	3.77	134	3.19	35.4	4.3	1.5	18.8	3.66	0.73	
04.22.2021	03:27:00	S	3408.84	W	554.72	2.8	3.77	134	3.19	35.4	4.3	1.5	18.8	3.71	0.76	
04.22.2021	03:28:00	S	3408.85	W	554.47	2.8	3.77	134	3.19	35.4	4.3	1.5	18.8	3.69	0.77	
04.22.2021	03:29:00	S	3408.86	W	554.23	2.8	3.77	134	3.19	35.4	4.2	1.5	18.6	3.75	0.79	
04.22.2021	03:30:00	S	3408.88	W	554.01	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.70	0.85	
04.22.2021	03:30:55	S	3408.89	W	553.78	2.8	3.77	134	3.19	35.4	4.3	1.4	18.6	3.75	0.73	
04.22.2021	03:31:55	S	3408.91	W	553.55	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.72	0.77	
04.22.2021	03:32:55	S	3408.91	W	553.3	2.8	3.77	134	3.19	35.4	4.2	1.3	18.8	3.79	0.76	
04.22.2021	03:33:55	S	3408.92	W	553.17	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.76	0.78	
04.22.2021	03:34:55	S	3408.92	W	553.17	2.8	3.77	134	3.19	35.4	4.2	1.3	18.8	3.78	0.78	
04.22.2021	03:35:55	S	3408.96	W	552.61	2.8	3.77	134	3.19	35.4	4.2	1.3	18.8	3.72	0.76	
04.22.2021	03:36:55	S	3408.97	W	552.4	2.8	3.77	134	3.19	35.4	4.2	1.3	18.7	3.71	0.76	
04.22.2021	03:37:55	S	3408.99	W	552.13	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.70	0.75	
04.22.2021	03:38:55	S	3409	W	551.91	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.78	0.77	
04.22.2021	03:39:55	S	3409.02	W	551.68	2.8	3.77	134	3.19	35.4	4.2	1.2	18.8	3.75	0.77	
04.22.2021	03:40:58	S	3409.04	W	551.48	2.8	3.77	134	3.19	35.4	4.3	1.2	18.8	3.70	0.73	
04.22.2021	03:41:58	S	3409.06	W	551.22	2.8	3.77	134	3.19	35.4	4.2	1.2	18.7	3.78	0.77	
04.22.2021	03:42:58	S	3409.07	W	550.97	2.8	3.77	134	3.19	35.4	4.2	1.2	18.5	3.79	0.84	
04.22.2021	03:43:58	S	3409.07	W	550.73	2.8	3.77	134	3.19	35.4	4.2	1.1	18.6	3.67	0.75	
04.22.2021	03:44:58	S	3409.07	W	550.51	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.70	0.75	
04.22.2021	03:45:58	S	3409.07	W	550.29	2.8	3.77	134	3.19	35.4	4.2	1.1	18.8	3.76	0.77	
04.22.2021	03:46:58	S	3409.07	W	550.06	2.8	3.77	134	3.19	35.4	4.2	1.1	18.8	3.78	0.78	
04.22.2021	03:47:58	S	3409.08	W	549.83	2.8	3.77	134	3.19	35.4	4.2	1.2	18.9	3.71	0.75	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	03:48:58	S	3409.09	W	549.61	2.8	3.77	134	3.19	35.4	4.2	1.2	18.9	3.77	0.80	
04.22.2021	03:49:58	S	3409.1	W	549.37	2.8	3.77	134	3.19	35.4	4.3	1.2	18.9	3.78	0.76	
04.22.2021	03:50:55	S	3409.1	W	549.1	2.8	3.77	134	3.19	35.4	4.2	1.2	18.9	3.75	0.74	
04.22.2021	03:51:55	S	3409.11	W	548.91	2.8	3.77	134	3.19	35.4	4.2	1.2	18.8	3.77	0.80	
04.22.2021	03:52:55	S	3409.1	W	548.67	2.8	3.77	134	3.19	35.4	4.2	1.2	18.8	3.70	0.73	
04.22.2021	03:53:55	S	3409.1	W	548.43	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.70	0.69	
04.22.2021	03:54:55	S	3409.1	W	548.22	2.8	3.77	134	3.19	35.4	4.3	1.3	18.9	3.74	0.75	
04.22.2021	03:55:55	S	3409.1	W	548	2.8	3.77	134	3.19	35.4	4.3	1.3	19.0	3.72	0.73	
04.22.2021	03:56:55	S	3409.11	W	547.74	2.8	3.77	134	3.19	35.4	4.3	1.3	18.8	3.66	0.74	
04.22.2021	03:57:55	S	3409.12	W	547.52	2.8	3.77	134	3.19	35.4	4.4	1.3	18.5	3.67	0.73	
04.22.2021	03:58:55	S	3409.13	W	547.31	2.8	3.77	134	3.19	35.4	4.3	1.3	18.6	3.72	0.74	
04.22.2021	03:59:55	S	3409.14	W	547.04	2.8	3.77	134	3.19	35.4	4.3	1.3	18.5	3.71	0.78	
04.22.2021	04:00:57	S	3409.14	W	546.83	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.66	0.75	
04.22.2021	04:01:57	S	3409.14	W	546.58	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.77	0.81	
04.22.2021	04:02:57	S	3409.15	W	546.33	2.8	3.77	134	3.19	35.4	4.3	1.4	18.7	3.81	0.76	
04.22.2021	04:03:57	S	3409.16	W	546.1	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.70	0.72	
04.22.2021	04:04:57	S	3409.16	W	545.87	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.82	0.77	
04.22.2021	04:05:57	S	3409.16	W	545.64	2.8	3.77	134	3.19	35.4	4.3	1.5	18.6	3.82	0.75	
04.22.2021	04:06:57	S	3409.16	W	545.44	2.8	3.77	134	3.19	35.4	4.2	1.5	18.7	3.74	0.73	
04.22.2021	04:07:57	S	3409.16	W	545.19	2.8	3.77	134	0.00	0.0	0.0	1.5	0.0	3.75	0.74	
04.22.2021	04:08:57	S	3409.16	W	544.96	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.81	0.76	
04.22.2021	04:09:57	S	3409.16	W	544.74	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.53	0.77	
04.22.2021	04:10:54	S	3409.16	W	544.47	2.8	3.77	134	3.19	35.4	4.3	1.4	18.9	3.83	0.76	
04.22.2021	04:11:54	S	3409.17	W	544.26	2.8	3.77	134	3.19	35.4	4.3	1.4	18.9	3.76	0.79	
04.22.2021	04:12:54	S	3409.17	W	544.02	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.72	0.75	
04.22.2021	04:13:54	S	3409.18	W	543.81	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.70	0.71	
04.22.2021	04:14:54	S	3409.19	W	543.55	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.65	0.73	
04.22.2021	04:15:54	S	3409.19	W	543.34	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.68	0.72	
04.22.2021	04:16:54	S	3409.19	W	543.12	2.8	3.77	134	3.19	35.4	4.2	1.4	19.0	3.72	0.77	
04.22.2021	04:17:54	S	3409.19	W	542.88	2.8	3.77	134	3.19	35.4	4.2	1.4	19.0	3.82	0.80	
04.22.2021	04:18:54	S	3409.2	W	542.64	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.74	0.75	
04.22.2021	04:19:54	S	3409.21	W	542.42	2.8	3.77	134	3.19	35.4	4.4	1.4	18.6	3.78	0.80	
04.22.2021	04:20:55	S	3409.22	W	542.17	2.8	3.77	134	3.19	35.4	4.3	1.4	18.6	3.77	0.78	
04.22.2021	04:21:55	S	3409.23	W	541.96	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.80	0.81	
04.22.2021	04:22:55	S	3409.23	W	541.74	2.8	3.77	134	3.19	35.4	4.3	1.4	18.9	3.77	0.71	
04.22.2021	04:23:55	S	3409.24	W	541.51	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.82	0.77	
04.22.2021	04:24:55	S	3409.24	W	541.25	2.8	3.77	134	3.19	35.4	4.3	1.5	18.8	3.73	0.75	
04.22.2021	04:25:55	S	3409.24	W	540.99	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.81	0.79	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	04:26:55	S	3409.25	W	540.75	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.67	0.77
04.22.2021	04:27:55	S	3409.26	W	540.53	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.74	0.74
04.22.2021	04:28:55	S	3409.26	W	540.31	2.8	3.77	134	3.19	35.4	4.3	1.5	18.8	3.71	0.72
04.22.2021	04:29:55	S	3409.27	W	540.04	2.8	3.77	134	3.19	35.4	4.3	1.5	18.9	3.71	0.73
04.22.2021	04:30:57	S	3409.27	W	539.84	2.8	3.77	134	0.00	0.0	0.0	1.5	0.0	3.67	0.73
04.22.2021	04:31:57	S	3409.28	W	539.57	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.75	0.77
04.22.2021	04:32:57	S	3409.28	W	539.35	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.63	0.73
04.22.2021	04:33:57	S	3409.29	W	539.11	2.8	3.77	134	3.19	35.4	4.3	1.4	18.9	3.78	0.72
04.22.2021	04:34:57	S	3409.29	W	538.89	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.82	0.78
04.22.2021	04:35:57	S	3409.3	W	538.63	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.79	0.72
04.22.2021	04:36:57	S	3409.31	W	538.38	2.8	3.77	134	3.19	35.4	4.2	1.4	18.8	3.77	0.75
04.22.2021	04:37:57	S	3409.31	W	538.17	2.8	3.77	134	3.19	35.4	4.2	1.4	18.9	3.76	0.77
04.22.2021	04:38:57	S	3409.32	W	537.9	2.8	3.77	134	3.19	35.4	4.2	1.4	19.0	3.78	0.74
04.22.2021	04:39:57	S	3409.32	W	537.69	2.8	3.77	134	3.19	35.4	4.2	1.4	19.2	3.79	0.76
04.22.2021	04:40:53	S	3409.32	W	537.43	2.8	3.77	134	3.19	35.4	4.2	1.4	19.1	3.76	0.75
04.22.2021	04:41:53	S	3409.32	W	537.21	2.8	3.77	134	3.19	35.4	4.3	1.4	18.8	3.75	0.74
04.22.2021	04:42:53	S	3409.32	W	536.96	2.8	3.77	134	3.19	35.4	4.3	1.4	18.6	3.66	0.78
04.22.2021	04:43:53	S	3409.33	W	536.73	2.8	3.77	134	3.19	35.4	4.4	1.4	18.5	3.77	0.77
04.22.2021	04:44:53	S	3409.34	W	536.5	2.8	3.77	134	3.19	35.4	4.4	1.4	18.6	3.74	0.76
04.22.2021	04:45:53	S	3409.35	W	536.29	2.8	3.77	134	3.19	35.4	4.4	1.3	18.6	3.63	0.70
04.22.2021	04:46:53	S	3409.37	W	536.06	2.8	3.77	134	3.19	35.4	4.4	1.4	18.6	3.69	0.70
04.22.2021	04:47:53	S	3409.38	W	535.79	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.72	0.79
04.22.2021	04:48:53	S	3409.38	W	535.58	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.63	0.71
04.22.2021	04:49:53	S	3409.39	W	535.34	2.8	3.77	134	3.19	35.4	4.4	1.4	18.6	3.68	0.74
04.22.2021	04:50:51	S	3409.4	W	535.08	2.8	3.77	134	3.19	35.4	4.5	1.4	18.1	3.76	0.78
04.22.2021	04:51:51	S	3409.4	W	534.84	2.8	3.77	134	3.19	35.4	4.4	1.4	18.1	3.71	0.71
04.22.2021	04:52:51	S	3409.41	W	534.61	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.77	1.00
04.22.2021	04:53:51	S	3409.42	W	534.37	2.8	3.77	134	3.19	35.4	4.4	1.4	18.4	3.73	0.73
04.22.2021	04:54:51	S	3409.43	W	534.15	2.8	3.77	134	3.19	35.4	4.4	1.5	18.5	3.71	0.72
04.22.2021	04:55:51	S	3409.45	W	533.91	2.8	3.77	134	3.19	35.4	4.4	1.4	18.5	3.75	0.78
04.22.2021	04:56:51	S	3409.47	W	533.67	2.8	3.77	134	0.00	0.0	0.0	1.4	0.0	3.74	0.73
04.22.2021	04:57:51	S	3409.49	W	533.41	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.76	0.79
04.22.2021	04:58:51	S	3409.5	W	533.18	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.71	0.72
04.22.2021	04:59:51	S	3409.5	W	532.96	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.73	0.72
04.22.2021	05:00:56	S	3409.52	W	532.7	2.8	3.77	134	3.19	35.4	4.3	1.5	18.6	3.67	0.73
04.22.2021	05:01:56	S	3409.53	W	532.5	2.8	3.77	134	3.19	35.4	4.3	1.5	18.5	3.68	0.73
04.22.2021	05:02:56	S	3409.54	W	532.24	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.70	0.77
04.22.2021	05:03:56	S	3409.56	W	531.99	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.69	0.76

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	05:04:56	S	3409.57	W	531.78	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.75	0.71
04.22.2021	05:05:56	S	3409.58	W	531.5	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.79	0.73
04.22.2021	05:06:56	S	3409.6	W	531.28	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.53	0.71
04.22.2021	05:07:56	S	3409.61	W	531.06	2.8	3.77	134	3.19	35.4	4.3	1.4	18.7	3.70	0.74
04.22.2021	05:08:56	S	3409.63	W	530.8	2.8	3.77	134	3.19	35.4	4.3	1.4	18.7	3.71	0.69
04.22.2021	05:09:56	S	3409.64	W	530.57	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.77	0.69
04.22.2021	05:10:53	S	3409.65	W	530.36	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.68	0.65
04.22.2021	05:11:53	S	3409.67	W	530.11	2.8	3.77	134	3.19	35.4	4.3	1.4	18.3	3.73	0.77
04.22.2021	05:12:53	S	3409.7	W	529.83	2.8	3.77	134	3.19	35.4	4.3	1.4	18.2	3.73	0.71
04.22.2021	05:13:53	S	3409.72	W	529.65	2.8	3.77	134	3.19	35.4	4.4	1.4	18.2	3.80	0.79
04.22.2021	05:14:53	S	3409.74	W	529.39	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.70	0.73
04.22.2021	05:15:53	S	3409.75	W	529.15	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.65	0.73
04.22.2021	05:16:53	S	3409.76	W	528.89	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.68	0.73
04.22.2021	05:17:53	S	3409.77	W	528.68	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.73	0.77
04.22.2021	05:18:53	S	3409.79	W	528.44	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.65	0.76
04.22.2021	05:19:53	S	3409.81	W	528.18	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.70	0.77
04.22.2021	05:21:00	S	3409.83	W	527.93	2.8	3.77	134	3.19	35.4	4.2	1.5	18.3	3.73	0.77
04.22.2021	05:22:00	S	3409.84	W	527.7	2.8	3.77	134	3.19	35.4	4.2	1.5	18.3	3.71	0.72
04.22.2021	05:23:00	S	3409.85	W	527.47	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.75	0.77
04.22.2021	05:24:00	S	3409.86	W	527.22	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.74	0.75
04.22.2021	05:25:00	S	3409.87	W	526.97	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.80	0.81
04.22.2021	05:26:00	S	3409.89	W	526.72	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.77	0.78
04.22.2021	05:27:00	S	3409.9	W	526.51	2.8	3.77	134	3.19	35.4	4.3	1.4	18.2	3.77	0.73
04.22.2021	05:28:00	S	3409.92	W	526.23	2.8	3.77	134	3.19	35.4	4.3	1.4	18.2	3.88	0.82
04.22.2021	05:29:00	S	3409.93	W	526.03	2.8	3.77	134	3.19	35.4	4.3	1.4	18.3	3.80	0.77
04.22.2021	05:30:00	S	3409.93	W	525.79	2.8	3.77	134	3.19	35.4	4.2	1.4	18.4	3.69	0.74
04.22.2021	05:30:54	S	3409.94	W	525.54	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.69	0.73
04.22.2021	05:31:54	S	3409.94	W	525.31	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.59	0.65
04.22.2021	05:32:54	S	3409.96	W	525.07	2.8	3.77	134	3.19	35.4	4.4	1.4	18.3	3.79	0.77
04.22.2021	05:33:54	S	3409.97	W	524.84	2.8	3.77	134	3.19	35.4	4.3	1.5	18.2	3.72	0.77
04.22.2021	05:34:54	S	3409.98	W	524.61	2.8	3.77	134	3.19	35.4	4.3	1.5	18.2	3.77	0.78
04.22.2021	05:35:54	S	3409.99	W	524.34	2.8	3.77	134	3.19	35.4	4.3	1.5	18.3	3.66	0.75
04.22.2021	05:36:54	S	3410	W	524.13	2.8	3.77	134	3.19	35.4	4.2	1.5	18.4	3.70	0.76
04.22.2021	05:37:54	S	3410	W	523.9	2.8	3.77	134	3.19	35.4	4.2	1.5	18.6	3.64	0.70
04.22.2021	05:38:54	S	3410.01	W	523.66	2.8	3.77	134	3.19	35.4	4.3	1.5	18.5	3.66	0.70
04.22.2021	05:39:54	S	3410.02	W	523.39	2.8	3.77	134	3.19	35.4	4.2	1.5	18.6	3.75	0.73
04.22.2021	05:41:00	S	3410.04	W	523.14	2.8	3.77	134	3.19	35.4	4.2	1.5	18.6	3.71	0.66
04.22.2021	05:42:00	S	3410.05	W	522.94	2.8	3.77	134	3.19	35.4	4.2	1.5	18.4	3.77	0.78

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	05:43:00	S	3410.06	W	522.66	2.8	3.77	134	3.19	35.4	4.3	1.5	18.5	3.78	0.73	
04.22.2021	05:44:00	S	3410.07	W	522.45	2.8	3.77	134	3.19	35.4	4.2	1.5	18.4	3.79	0.76	
04.22.2021	05:45:00	S	3410.07	W	522.21	2.8	3.77	134	3.19	35.4	4.2	1.5	18.6	3.80	0.78	
04.22.2021	05:46:00	S	3410.08	W	521.97	2.8	3.77	134	3.19	35.4	4.2	1.5	18.7	3.73	0.73	
04.22.2021	05:47:00	S	3410.09	W	521.75	2.8	3.77	134	3.19	35.4	4.2	1.5	18.7	3.70	0.76	
04.22.2021	05:48:00	S	3410.11	W	521.48	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.81	0.83	
04.22.2021	05:49:00	S	3410.12	W	521.27	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.58	0.68	
04.22.2021	05:50:00	S	3410.13	W	521	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.66	0.71	
04.22.2021	05:50:55	S	3410.13	W	520.78	2.8	3.77	134	3.19	35.4	4.1	1.4	18.8	3.76	0.77	
04.22.2021	05:51:55	S	3410.13	W	520.55	2.8	3.77	134	3.19	35.4	4.1	1.4	18.7	3.66	0.76	
04.22.2021	05:52:55	S	3410.14	W	520.28	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.78	0.74	
04.22.2021	05:53:55	S	3410.16	W	520.08	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.73	0.81	
04.22.2021	05:54:55	S	3410.17	W	519.82	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.72	0.72	
04.22.2021	05:55:55	S	3410.18	W	519.6	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.83	0.81	
04.22.2021	05:56:55	S	3410.19	W	519.35	2.8	3.77	134	3.19	35.4	4.2	1.3	18.5	3.72	0.73	
04.22.2021	05:57:55	S	3410.19	W	519.12	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.76	0.71	
04.22.2021	05:58:55	S	3410.2	W	518.87	2.8	3.77	134	3.19	35.4	4.1	1.3	18.6	3.68	0.78	
04.22.2021	05:59:55	S	3410.21	W	518.65	2.8	3.77	134	3.19	35.4	4.1	1.3	18.6	3.71	0.75	
04.22.2021	06:00:53	S	3410.22	W	518.39	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.77	0.77	
04.22.2021	06:01:53	S	3410.23	W	518.14	2.8	3.77	134	3.19	35.4	4.2	1.3	18.7	3.75	0.77	
04.22.2021	06:02:53	S	3410.25	W	517.92	2.8	3.77	134	3.19	35.4	4.3	1.2	18.7	3.80	0.83	
04.22.2021	06:03:53	S	3410.26	W	517.7	2.8	3.77	134	3.19	35.4	4.2	1.2	18.5	3.75	0.73	
04.22.2021	06:04:53	S	3410.27	W	517.46	2.8	3.77	134	3.19	35.4	4.2	1.2	18.7	3.78	0.75	
04.22.2021	06:05:53	S	3410.28	W	517.21	2.8	3.77	134	3.19	35.4	4.2	1.3	18.5	3.69	0.73	
04.22.2021	06:06:53	S	3410.29	W	516.99	2.8	3.77	134	3.19	35.4	4.1	1.3	18.6	3.73	0.77	
04.22.2021	06:07:53	S	3410.3	W	516.73	2.8	3.77	134	3.19	35.4	4.2	1.3	18.8	3.65	0.64	
04.22.2021	06:08:53	S	3410.31	W	516.48	2.8	3.77	134	3.19	35.4	4.2	1.3	18.7	3.70	0.76	
04.22.2021	06:09:53	S	3410.32	W	516.23	2.8	3.77	134	3.19	35.4	4.2	1.3	18.6	3.78	0.77	
04.22.2021	06:10:56	S	3410.32	W	516.01	2.8	3.77	134	3.19	35.4	4.2	1.3	18.6	3.83	0.80	
04.22.2021	06:11:56	S	3410.32	W	515.77	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.76	0.78	
04.22.2021	06:12:56	S	3410.32	W	515.52	2.8	3.77	134	3.19	35.4	4.2	1.3	18.7	3.72	0.76	
04.22.2021	06:13:56	S	3410.33	W	515.29	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.78	0.79	
04.22.2021	06:14:56	S	3410.34	W	515.04	2.8	3.77	134	3.19	35.4	4.3	1.3	18.5	3.82	0.74	
04.22.2021	06:15:56	S	3410.34	W	514.84	2.8	3.77	134	3.19	35.4	4.2	1.3	18.6	3.72	0.77	
04.22.2021	06:16:56	S	3410.34	W	514.58	2.8	3.77	134	3.19	35.4	4.2	1.2	18.7	3.71	0.73	
04.22.2021	06:17:56	S	3410.34	W	514.34	2.8	3.77	134	3.19	35.4	4.3	1.3	18.7	3.59	0.64	
04.22.2021	06:18:56	S	3410.34	W	514.11	2.8	3.77	134	3.19	35.4	4.3	1.2	18.7	3.72	0.76	
04.22.2021	06:19:56	S	3410.35	W	513.9	2.8	3.77	134	3.19	35.4	4.3	1.2	18.7	3.75	0.71	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	06:20:59	S	3410.35	W	513.64	2.8	3.77	134	3.19	35.4	4.3	1.2	18.7	3.69	0.75	
04.22.2021	06:21:59	S	3410.35	W	513.38	2.8	3.77	134	3.19	35.4	4.4	1.2	18.8	3.70	0.74	
04.22.2021	06:22:59	S	3410.36	W	513.15	2.8	3.77	134	3.19	35.4	4.3	1.2	18.6	3.76	0.79	
04.22.2021	06:23:59	S	3410.37	W	512.9	2.8	3.77	134	3.19	35.4	4.3	1.2	18.6	3.72	0.75	
04.22.2021	06:24:59	S	3410.38	W	512.69	2.8	3.77	134	3.19	35.4	4.3	1.2	18.6	3.71	0.79	
04.22.2021	06:25:59	S	3410.38	W	512.41	2.8	3.77	134	3.19	35.4	4.2	1.2	18.6	3.75	0.75	
04.22.2021	06:26:59	S	3410.38	W	512.19	2.8	3.77	134	3.19	35.4	4.2	1.2	18.5	3.70	0.75	
04.22.2021	06:27:59	S	3410.38	W	511.93	2.8	3.77	134	3.19	35.4	4.2	1.1	18.5	3.79	0.78	
04.22.2021	06:28:59	S	3410.38	W	511.71	2.8	3.77	134	3.19	35.4	4.2	1.1	18.8	3.72	0.71	
04.22.2021	06:29:59	S	3410.38	W	511.46	2.8	3.77	134	3.19	35.4	4.2	1.2	18.8	3.81	0.76	
04.22.2021	06:30:56	S	3410.38	W	511.2	2.8	3.77	134	3.19	35.4	4.1	1.2	18.5	3.70	0.77	
04.22.2021	06:31:56	S	3410.38	W	510.96	2.8	3.77	134	3.19	35.4	4.2	1.2	18.4	3.80	0.75	
04.22.2021	06:32:56	S	3410.39	W	510.7	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.81	0.74	
04.22.2021	06:33:56	S	3410.39	W	510.49	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.77	0.78	
04.22.2021	06:34:56	S	3410.39	W	510.24	2.8	3.77	134	3.19	35.4	4.1	1.2	18.6	3.81	0.79	
04.22.2021	06:35:56	S	3410.39	W	510.01	2.8	3.77	134	3.19	35.4	4.2	1.2	18.7	3.68	0.74	
04.22.2021	06:36:56	S	3410.4	W	509.72	2.8	3.77	134	3.19	35.4	4.1	1.3	18.6	3.64	0.71	
04.22.2021	06:37:56	S	3410.4	W	509.5	2.8	3.77	134	3.19	35.4	4.1	1.3	18.7	3.65	0.70	
04.22.2021	06:38:56	S	3410.4	W	509.25	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.66	0.76	
04.22.2021	06:39:56	S	3410.4	W	509.03	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.70	0.75	
04.22.2021	06:40:56	S	3410.41	W	508.8	2.8	3.77	134	3.19	35.4	4.2	1.2	18.8	3.71	0.77	
04.22.2021	06:41:56	S	3410.41	W	508.53	2.8	3.77	134	3.19	35.4	4.2	1.3	18.8	3.79	0.78	
04.22.2021	06:42:56	S	3410.41	W	508.3	2.8	3.77	134	3.19	35.4	4.1	1.3	18.8	3.74	0.71	
04.22.2021	06:43:56	S	3410.42	W	508.09	2.8	3.77	134	3.19	35.4	4.1	1.3	19.1	3.83	0.77	
04.22.2021	06:44:56	S	3410.43	W	507.82	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.78	0.80	
04.22.2021	06:45:56	S	3410.43	W	507.62	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.74	0.70	
04.22.2021	06:46:56	S	3410.44	W	507.36	2.8	3.77	134	3.19	35.4	4.2	1.3	18.8	3.75	0.77	
04.22.2021	06:47:56	S	3410.45	W	507.13	2.8	3.77	134	3.19	35.4	4.2	1.3	18.6	3.88	0.81	
04.22.2021	06:48:56	S	3410.45	W	506.9	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.81	0.73	
04.22.2021	06:49:56	S	3410.46	W	506.69	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.77	0.73	
04.22.2021	06:50:59	S	3410.46	W	506.42	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.77	0.76	
04.22.2021	06:51:59	S	3410.46	W	506.18	2.8	3.77	134	3.19	35.4	4.1	1.3	19.1	3.78	0.74	
04.22.2021	06:52:59	S	3410.46	W	505.98	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.74	0.83	
04.22.2021	06:53:59	S	3410.45	W	505.74	2.8	3.77	134	3.19	35.4	4.2	1.3	19.0	3.69	0.74	
04.22.2021	06:54:59	S	3410.46	W	505.46	2.8	3.77	134	3.19	35.4	4.3	1.2	18.8	3.64	0.70	
04.22.2021	06:55:59	S	3410.46	W	505.25	2.8	3.77	134	3.19	35.4	4.4	1.3	18.7	3.77	0.79	
04.22.2021	06:56:59	S	3410.47	W	505.02	2.8	3.77	134	3.19	35.4	4.4	1.3	18.8	3.78	0.75	
04.22.2021	06:57:59	S	3410.48	W	504.78	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.72	0.72	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	06:58:59	S	3410.49	W	504.55	2.8	3.77	134	3.19	35.4	4.4	1.2	18.8	3.78	0.73
04.22.2021	06:59:59	S	3410.5	W	504.33	2.8	3.77	134	3.19	35.4	4.4	1.2	18.6	3.78	0.75
04.22.2021	07:00:56	S	3410.51	W	504.09	2.8	3.77	134	3.19	35.4	4.3	1.2	18.8	3.79	0.84
04.22.2021	07:01:56	S	3410.51	W	503.87	2.8	3.77	134	3.19	35.4	4.2	1.2	18.5	3.67	0.70
04.22.2021	07:02:56	S	3410.51	W	503.62	2.8	3.77	134	3.19	35.4	4.3	1.1	18.4	3.72	0.75
04.22.2021	07:03:56	S	3410.51	W	503.39	2.8	3.77	134	3.19	35.4	4.2	1.1	18.6	3.75	0.72
04.22.2021	07:04:56	S	3410.52	W	503.15	2.8	3.77	134	3.19	35.4	4.3	1.1	18.3	3.78	0.78
04.22.2021	07:05:56	S	3410.53	W	502.95	2.8	3.77	134	3.19	35.4	4.3	1.2	18.3	3.76	0.77
04.22.2021	07:06:56	S	3410.54	W	502.7	2.8	3.77	134	3.19	35.4	4.3	1.2	18.3	3.67	0.73
04.22.2021	07:07:56	S	3410.56	W	502.45	2.8	3.77	134	3.19	35.4	4.3	1.2	18.4	3.80	0.75
04.22.2021	07:08:56	S	3410.57	W	502.24	2.8	3.77	134	3.19	35.4	4.3	1.3	18.4	3.66	0.74
04.22.2021	07:09:56	S	3410.59	W	502	2.8	3.77	134	3.19	35.4	4.3	1.3	18.2	3.74	0.76
04.22.2021	07:11:01	S	3410.61	W	501.77	2.8	3.77	134	3.19	35.4	4.3	1.3	18.3	3.73	0.75
04.22.2021	07:12:01	S	3410.62	W	501.54	2.8	3.77	134	3.19	35.4	4.3	1.3	18.4	3.68	0.76
04.22.2021	07:13:01	S	3410.64	W	501.33	2.8	3.77	134	3.19	35.4	4.2	1.3	18.5	3.72	0.78
04.22.2021	07:14:01	S	3410.65	W	501.07	2.8	3.77	134	3.19	35.4	4.2	1.3	18.5	3.70	0.71
04.22.2021	07:15:00	S	3410.67	W	500.83	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.76	0.79
04.22.2021	07:16:00	S	3410.69	W	500.6	2.8	3.77	134	3.19	35.4	4.2	1.3	18.5	3.71	0.68
04.22.2021	07:17:00	S	3410.7	W	500.38	2.8	3.77	134	3.19	35.4	4.1	1.4	18.4	3.75	0.73
04.22.2021	07:18:00	S	3410.71	W	500.14	2.8	3.77	134	3.19	35.4	4.2	1.4	18.3	3.81	0.75
04.22.2021	07:19:00	S	3410.73	W	459.89	2.8	3.77	134	3.19	35.4	4.2	1.4	18.4	3.74	0.75
04.22.2021	07:20:00	S	3410.74	W	459.66	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.72	0.76
04.22.2021	07:20:57	S	3410.76	W	459.47	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.78	0.76
04.22.2021	07:21:57	S	3410.76	W	459.4	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.67	0.70
04.22.2021	07:22:57	S	3410.8	W	459	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.81	0.76
04.22.2021	07:23:57	S	3410.81	W	458.76	2.8	3.77	134	3.19	35.4	4.2	1.4	18.2	3.77	0.77
04.22.2021	07:24:57	S	3410.83	W	458.51	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.82	0.82
04.22.2021	07:25:57	S	3410.85	W	458.32	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.78	0.76
04.22.2021	07:26:57	S	3410.87	W	458.06	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.64	0.75
04.22.2021	07:27:57	S	3410.89	W	457.83	2.8	3.77	134	3.19	35.4	4.2	1.4	18.3	3.56	0.68
04.22.2021	07:28:57	S	3410.9	W	457.61	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.67	0.76
04.22.2021	07:29:57	S	3410.91	W	457.4	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.71	0.75
04.22.2021	07:30:56	S	3410.93	W	457.16	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.78	0.76
04.22.2021	07:31:56	S	3410.94	W	456.94	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.71	0.73
04.22.2021	07:32:56	S	3410.96	W	456.68	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.80	0.79
04.22.2021	07:33:56	S	3410.98	W	456.46	2.8	3.77	134	3.19	35.4	4.2	1.4	18.4	3.76	0.77
04.22.2021	07:34:56	S	3411	W	456.21	2.8	3.77	134	3.19	35.4	4.1	1.4	18.4	3.72	0.77
04.22.2021	07:35:56	S	3411.01	W	456.01	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.89	0.85

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	07:36:56	S	3411.02	W	455.79	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.74	0.77
04.22.2021	07:37:56	S	3411.04	W	455.55	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.74	0.75
04.22.2021	07:38:56	S	3411.05	W	455.33	2.8	3.77	134	3.19	35.4	4.1	1.4	18.7	3.82	0.75
04.22.2021	07:39:56	S	3411.07	W	455.08	2.8	3.77	134	3.19	35.4	4.2	1.4	18.7	3.78	0.79
04.22.2021	07:40:57	S	3411.08	W	454.87	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.78	0.80
04.22.2021	07:41:57	S	3411.1	W	454.62	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.70	0.79
04.22.2021	07:42:57	S	3411.12	W	454.42	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.70	0.76
04.22.2021	07:43:57	S	3411.14	W	454.19	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.73	0.77
04.22.2021	07:44:57	S	3411.14	W	453.97	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.83	0.77
04.22.2021	07:45:57	S	3411.15	W	453.74	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.87	0.80
04.22.2021	07:46:57	S	3411.17	W	453.53	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.79	0.82
04.22.2021	07:47:57	S	3411.19	W	453.27	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.90	0.82
04.22.2021	07:48:57	S	3411.21	W	453.07	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.83	0.74
04.22.2021	07:49:57	S	3411.22	W	452.86	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.83	0.78
04.22.2021	07:50:53	S	3411.24	W	452.63	2.8	3.77	134	3.19	35.4	4.3	1.4	18.3	3.76	0.75
04.22.2021	07:51:53	S	3411.25	W	452.39	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.73	0.75
04.22.2021	07:52:53	S	3411.26	W	452.15	2.8	3.77	134	3.19	35.4	4.3	1.4	18.6	3.78	0.77
04.22.2021	07:53:53	S	3411.28	W	451.95	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.76	0.74
04.22.2021	07:54:53	S	3411.29	W	451.72	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.65	0.74
04.22.2021	07:55:53	S	3411.3	W	451.49	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.74	0.77
04.22.2021	07:56:53	S	3411.31	W	451.25	2.8	3.77	134	3.19	35.4	4.2	1.4	18.6	3.71	0.77
04.22.2021	07:57:53	S	3411.33	W	451.07	2.8	3.77	134	3.19	35.4	4.3	1.4	18.4	3.79	0.80
04.22.2021	07:58:53	S	3411.36	W	450.8	2.8	3.77	134	3.19	35.4	4.4	1.4	18.4	3.65	0.71
04.22.2021	07:59:53	S	3411.38	W	450.59	2.8	3.77	134	3.19	35.4	4.3	1.4	18.5	3.68	0.70
04.22.2021	08:01:01	S	3411.39	W	450.36	2.8	3.77	134	3.19	35.4	4.3	1.4	18.3	3.72	0.80
04.22.2021	08:02:01	S	3411.41	W	450.16	2.8	3.77	134	0.00	0.0	0.0	1.4	0.0	3.71	0.71
04.22.2021	08:03:01	S	3411.43	W	449.93	2.8	3.77	134	3.19	35.4	4.3	1.3	18.2	3.75	0.69
04.22.2021	08:04:01	S	3411.45	W	449.71	2.8	3.77	134	3.19	35.4	4.3	1.3	18.3	3.73	0.75
04.22.2021	08:05:01	S	3411.46	W	449.46	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.78	0.72
04.22.2021	08:06:01	S	3411.47	W	449.27	2.8	3.77	134	3.19	35.4	4.2	1.3	18.5	3.80	0.78
04.22.2021	08:07:01	S	3411.49	W	449.05	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.68	0.68
04.22.2021	08:08:01	S	3411.51	W	448.8	2.8	3.77	134	3.19	35.4	4.3	1.3	18.2	3.78	0.78
04.22.2021	08:09:01	S	3411.53	W	448.59	2.8	3.77	134	3.19	35.4	4.3	1.3	18.3	3.73	0.71
04.22.2021	08:10:01	S	3411.55	W	448.36	2.8	3.77	134	3.19	35.4	4.3	1.3	18.3	3.81	0.77
04.22.2021	08:10:57	S	3411.56	W	448.15	2.8	3.77	134	3.19	35.4	4.3	1.3	18.1	3.77	0.76
04.22.2021	08:11:57	S	3411.57	W	447.92	2.8	3.77	134	3.19	35.4	4.2	1.3	18.3	3.76	0.77
04.22.2021	08:12:57	S	3411.57	W	447.71	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.68	0.75
04.22.2021	08:13:57	S	3411.57	W	447.46	2.8	3.77	134	3.19	35.4	4.1	1.3	18.6	3.71	0.75

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	08:14:57	S	3411.57	W	447.24	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.69	0.79
04.22.2021	08:15:57	S	3411.57	W	447.02	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.62	0.77
04.22.2021	08:16:57	S	3411.58	W	446.79	2.8	3.77	134	3.19	35.4	4.2	1.2	18.4	3.68	0.79
04.22.2021	08:17:57	S	3411.59	W	446.59	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.70	0.74
04.22.2021	08:18:57	S	3411.59	W	446.35	2.8	3.77	134	3.19	35.4	4.2	1.2	18.4	3.69	0.70
04.22.2021	08:19:57	S	3411.6	W	446.09	2.8	3.77	134	3.19	35.4	4.2	1.2	18.4	3.70	0.69
04.22.2021	08:20:53	S	3411.6	W	445.9	2.8	3.77	134	3.19	35.4	4.2	1.2	18.5	3.84	0.80
04.22.2021	08:21:53	S	3411.6	W	445.65	2.8	3.77	134	3.19	35.4	4.1	1.2	18.5	3.79	0.78
04.22.2021	08:22:53	S	3411.6	W	445.62	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.68	0.71
04.22.2021	08:23:53	S	3411.61	W	445.19	2.8	3.77	134	3.19	35.4	4.1	1.3	18.3	3.83	0.77
04.22.2021	08:24:53	S	3411.61	W	444.95	2.8	3.77	134	3.19	35.4	4.2	1.3	18.2	3.82	0.75
04.22.2021	08:25:53	S	3411.6	W	444.73	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.83	0.74
04.22.2021	08:26:53	S	3411.6	W	444.51	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.82	0.77
04.22.2021	08:27:53	S	3411.61	W	444.26	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.57	0.63
04.22.2021	08:28:53	S	3411.61	W	444.02	2.8	3.77	134	3.19	35.4	4.3	1.3	18.4	3.81	0.75
04.22.2021	08:29:53	S	3411.61	W	443.79	2.8	3.77	134	3.19	35.4	4.2	1.3	18.2	3.70	0.71
04.22.2021	08:31:02	S	3411.61	W	443.58	2.8	3.77	134	3.19	35.4	4.2	1.4	18.4	3.72	0.76
04.22.2021	08:32:02	S	3411.62	W	443.33	2.8	3.77	134	3.19	35.4	4.2	1.4	18.4	3.67	0.73
04.22.2021	08:33:02	S	3411.62	W	443.1	2.8	3.77	134	3.19	35.4	4.2	1.4	18.3	3.70	0.75
04.22.2021	08:34:02	S	3411.62	W	442.87	2.8	3.77	134	3.19	35.4	4.2	1.4	18.3	3.76	0.74
04.22.2021	08:35:02	S	3411.62	W	442.62	2.8	3.77	134	3.19	35.4	4.3	1.4	18.2	3.76	0.77
04.22.2021	08:36:02	S	3411.61	W	442.39	2.8	3.77	134	3.19	35.4	5.1	1.4	17.9	3.66	0.76
04.22.2021	08:37:02	S	3411.61	W	442.17	2.8	3.77	134	3.19	35.4	4.9	1.5	18.3	3.76	0.73
04.22.2021	08:38:02	S	3411.61	W	441.94	2.8	3.77	134	3.19	35.4	4.6	1.5	18.3	3.82	0.76
04.22.2021	08:39:02	S	3411.61	W	441.71	2.8	3.77	134	3.19	35.4	4.3	1.5	18.1	3.80	0.75
04.22.2021	08:40:02	S	3411.61	W	441.45	2.8	3.77	134	3.19	35.4	4.2	1.5	18.2	3.81	0.74
04.22.2021	08:40:57	S	3411.61	W	441.23	2.8	3.77	134	3.19	35.4	4.2	1.5	18.3	3.71	0.69
04.22.2021	08:41:57	S	3411.61	W	441.01	2.8	3.77	134	3.19	35.4	4.2	1.5	18.5	3.81	0.79
04.22.2021	08:42:57	S	3411.62	W	440.75	2.8	3.77	134	3.19	35.4	4.3	1.5	18.5	3.69	0.72
04.22.2021	08:43:57	S	3411.62	W	440.54	2.8	3.77	134	3.19	35.4	4.2	1.5	18.5	3.69	0.74
04.22.2021	08:44:57	S	3411.62	W	440.33	2.8	3.77	134	3.19	35.4	4.1	1.5	18.4	3.72	0.77
04.22.2021	08:45:57	S	3411.62	W	440.08	2.8	3.77	134	3.19	35.4	4.1	1.5	18.4	3.66	0.74
04.22.2021	08:46:57	S	3411.62	W	439.81	2.8	3.77	134	3.19	35.4	4.1	1.4	18.3	3.67	0.76
04.22.2021	08:47:57	S	3411.62	W	439.61	2.8	3.77	134	3.19	35.4	4.2	1.4	18.4	3.60	0.69
04.22.2021	08:48:57	S	3411.62	W	439.38	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.74	0.77
04.22.2021	08:49:57	S	3411.62	W	439.16	2.8	3.77	134	3.19	35.4	4.2	1.5	18.6	3.74	0.77
04.22.2021	08:50:59	S	3411.61	W	438.91	2.8	3.77	134	3.19	35.4	4.1	1.5	18.5	3.74	0.74
04.22.2021	08:51:59	S	3411.6	W	438.68	2.8	3.77	134	3.19	35.4	4.1	1.4	18.4	3.80	0.75

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	08:52:59	S	3411.6	W	438.45	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.70	0.72	
04.22.2021	08:53:59	S	3411.59	W	438.2	2.8	3.77	134	3.19	35.4	4.1	1.4	18.4	3.80	0.77	
04.22.2021	08:54:59	S	3411.59	W	437.97	2.8	3.77	134	3.19	35.4	4.1	1.4	18.4	3.75	0.72	
04.22.2021	08:55:59	S	3411.58	W	437.74	2.8	3.77	134	3.19	35.4	4.1	1.3	18.4	3.73	0.72	
04.22.2021	08:56:59	S	3411.58	W	437.49	2.8	3.77	134	3.19	35.4	4.1	1.3	18.7	3.78	0.76	
04.22.2021	08:57:59	S	3411.58	W	437.31	2.8	3.77	134	3.19	35.4	4.1	1.3	18.7	3.85	0.82	
04.22.2021	08:58:59	S	3411.58	W	437.03	2.8	3.77	134	3.19	35.4	4.2	1.2	18.4	3.70	0.66	
04.22.2021	08:59:59	S	3411.59	W	436.82	2.8	3.77	134	3.19	35.4	4.3	1.2	18.4	3.82	0.73	
04.22.2021	09:00:57	S	3411.61	W	436.58	2.8	3.77	134	3.19	35.4	4.3	1.3	18.2	3.77	0.79	
04.22.2021	09:01:57	S	3411.62	W	436.4	2.8	3.77	134	3.19	35.4	4.4	1.3	18.1	3.74	0.78	
04.22.2021	09:02:57	S	3411.64	W	436.14	2.8	3.77	134	3.19	35.4	4.2	1.3	18.1	3.69	0.77	
04.22.2021	09:03:57	S	3411.65	W	435.92	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.72	0.77	
04.22.2021	09:04:57	S	3411.67	W	435.67	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.74	0.78	
04.22.2021	09:05:57	S	3411.68	W	435.44	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.81	0.79	
04.22.2021	09:06:57	S	3411.7	W	435.23	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.70	0.72	
04.22.2021	09:07:57	S	3411.71	W	435	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.82	0.79	
04.22.2021	09:08:57	S	3411.72	W	434.79	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.73	0.76	
04.22.2021	09:09:57	S	3411.73	W	434.54	2.8	3.77	134	3.19	35.4	4.2	1.2	18.4	3.71	0.72	
04.22.2021	09:10:59	S	3411.74	W	434.3	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.77	0.79	
04.22.2021	09:11:59	S	3411.75	W	434.11	2.8	3.77	134	3.19	35.4	4.3	1.3	18.4	3.72	0.72	
04.22.2021	09:12:59	S	3411.77	W	433.86	2.8	3.77	134	3.19	35.4	4.3	1.4	18.2	3.74	0.79	
04.22.2021	09:13:59	S	3411.79	W	433.64	2.8	3.77	134	3.19	35.4	4.4	1.4	18.2	3.76	0.79	
04.22.2021	09:14:59	S	3411.81	W	433.4	2.8	3.77	134	3.19	35.4	4.3	1.4	18.2	3.74	0.74	
04.22.2021	09:15:59	S	3411.83	W	433.21	2.8	3.77	134	3.19	35.4	4.6	1.4	18.1	3.74	0.75	
04.22.2021	09:16:59	S	3411.85	W	432.97	2.8	3.77	134	3.19	35.4	4.4	1.4	18.2	3.71	0.72	
04.22.2021	09:17:59	S	3411.87	W	432.73	2.8	3.77	134	3.19	35.4	4.3	1.4	18.3	3.72	0.78	
04.22.2021	09:18:59	S	3411.89	W	432.54	2.8	3.77	134	3.19	35.4	4.2	1.5	18.4	3.75	0.76	
04.22.2021	09:19:59	S	3411.91	W	432.3	2.8	3.77	134	3.19	35.4	4.2	1.5	18.4	3.66	0.75	
04.22.2021	09:20:53	S	3411.92	W	432.05	2.8	3.77	134	0.00	0.0	0.0	1.5	0.0	3.73	0.76	
04.22.2021	09:21:53	S	3411.93	W	431.83	2.8	3.77	134	3.19	35.4	4.2	1.5	18.6	3.84	0.77	
04.22.2021	09:22:53	S	3411.95	W	431.62	2.8	3.77	134	3.19	35.4	4.2	1.4	18.5	3.74	0.71	
04.22.2021	09:23:53	S	3411.97	W	431.39	2.8	3.77	134	3.19	35.4	4.2	1.4	18.2	3.81	0.77	
04.22.2021	09:24:53	S	3411.99	W	431.14	2.8	3.77	134	3.19	35.4	4.3	1.4	18.2	3.74	0.75	
04.22.2021	09:25:53	S	3412.01	W	430.92	2.8	3.77	134	3.19	35.4	4.3	1.4	18.1	3.77	0.76	
04.22.2021	09:26:53	S	3412.03	W	430.71	2.8	3.77	134	3.19	35.4	4.2	1.4	18.2	3.78	0.77	
04.22.2021	09:27:53	S	3412.05	W	430.46	2.8	3.77	134	3.19	35.4	4.1	1.4	18.3	3.76	0.73	
04.22.2021	09:28:53	S	3412.06	W	430.24	2.8	3.77	134	3.19	35.4	4.1	1.4	18.4	3.81	0.77	
04.22.2021	09:29:53	S	3412.08	W	430.06	2.8	3.77	134	3.19	35.4	4.1	1.4	18.3	3.75	0.77	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	09:30:56	S	3412.1	W	429.82	2.8	3.77	134	3.19	35.4	4.1	1.3	18.3	3.74	0.80	
04.22.2021	09:31:56	S	3412.13	W	429.58	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.72	0.75	
04.22.2021	09:32:56	S	3412.14	W	429.37	2.8	3.77	134	3.19	35.4	4.1	1.2	18.4	3.74	0.80	
04.22.2021	09:33:56	S	3412.17	W	429.11	2.8	3.77	134	3.19	35.4	4.1	1.2	18.4	3.68	0.72	
04.22.2021	09:34:56	S	3412.19	W	428.9	2.8	3.77	134	3.19	35.4	4.2	1.2	18.4	3.70	0.78	
04.22.2021	09:35:56	S	3412.22	W	428.67	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.70	0.79	
04.22.2021	09:36:56	S	3412.25	W	428.44	2.8	3.77	134	3.19	35.4	4.1	1.2	18.3	3.75	0.72	
04.22.2021	09:37:56	S	3412.27	W	428.24	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.70	0.76	
04.22.2021	09:38:56	S	3412.28	W	428	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.80	0.77	
04.22.2021	09:39:56	S	3412.29	W	427.78	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.80	0.75	
04.22.2021	09:40:53	S	3412.29	W	427.53	2.8	3.77	134	3.19	35.4	4.1	1.1	18.5	3.72	0.78	
04.22.2021	09:41:53	S	3412.3	W	427.34	2.8	3.77	134	3.19	35.4	4.1	1.1	18.4	3.75	0.71	
04.22.2021	09:42:53	S	3412.31	W	427.09	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.78	0.77	
04.22.2021	09:43:53	S	3412.32	W	426.89	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.70	0.78	
04.22.2021	09:44:53	S	3412.33	W	426.65	2.8	3.77	134	3.19	35.4	4.3	1.2	18.3	3.72	0.75	
04.22.2021	09:45:53	S	3412.35	W	426.43	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.72	0.73	
04.22.2021	09:46:53	S	3412.36	W	426.2	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.72	0.73	
04.22.2021	09:47:53	S	3412.38	W	425.95	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.72	0.75	
04.22.2021	09:48:53	S	3412.39	W	425.74	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.73	0.74	
04.22.2021	09:49:53	S	3412.4	W	425.52	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.75	0.75	
04.22.2021	09:50:58	S	3412.41	W	425.31	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.70	0.77	
04.22.2021	09:51:58	S	3412.42	W	425.08	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.71	0.74	
04.22.2021	09:52:58	S	3412.43	W	424.85	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.80	0.76	
04.22.2021	09:53:58	S	3412.43	W	424.62	2.8	3.77	134	3.19	35.4	4.0	1.2	18.2	3.77	0.77	
04.22.2021	09:54:58	S	3412.42	W	424.39	2.8	3.77	134	3.19	35.4	4.0	1.2	18.3	3.73	0.71	
04.22.2021	09:55:58	S	3412.41	W	424.16	2.8	3.77	134	3.19	35.4	4.1	1.2	18.4	3.78	0.81	
04.22.2021	09:56:58	S	3412.41	W	423.93	2.8	3.77	134	3.19	35.4	4.1	1.2	18.3	3.78	0.75	
04.22.2021	09:57:58	S	3412.4	W	423.7	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.81	0.79	
04.22.2021	09:58:58	S	3412.39	W	423.49	2.8	3.77	134	3.19	35.4	4.1	1.1	18.1	3.71	0.69	
04.22.2021	09:59:58	S	3412.39	W	423.28	2.8	3.77	134	3.19	35.4	4.1	1.1	18.1	3.66	0.67	
04.22.2021	10:00:55	S	3412.39	W	423.05	2.8	3.77	134	3.19	35.4	4.2	1.2	18.0	3.80	0.78	
04.22.2021	10:01:55	S	3412.39	W	422.81	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.75	0.72	
04.22.2021	10:02:55	S	3412.39	W	422.57	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.72	0.75	
04.22.2021	10:03:55	S	3412.39	W	422.38	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.72	0.72	
04.22.2021	10:04:55	S	3412.38	W	422.16	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.57	0.83	
04.22.2021	10:05:55	S	3412.38	W	421.92	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.72	0.75	
04.22.2021	10:06:55	S	3412.38	W	421.68	2.8	3.77	134	3.19	35.4	4.3	1.2	18.1	3.77	0.75	
04.22.2021	10:07:55	S	3412.37	W	421.46	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.74	0.73	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	10:08:55	S	3412.36	W	421.26	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.63	0.69
04.22.2021	10:09:55	S	3412.35	W	421.03	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.80	0.83
04.22.2021	10:11:01	S	3412.34	W	420.8	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.73	0.80
04.22.2021	10:12:01	S	3412.34	W	420.58	2.8	3.77	134	3.19	35.4	4.3	1.1	18.4	3.69	0.68
04.22.2021	10:13:01	S	3412.33	W	420.35	2.8	3.77	134	3.19	35.4	4.2	1.2	18.5	3.73	0.71
04.22.2021	10:14:01	S	3412.32	W	420.14	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.72	0.74
04.22.2021	10:15:01	S	3412.32	W	419.92	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.78	0.76
04.22.2021	10:16:01	S	3412.32	W	419.68	2.8	3.77	134	3.19	35.4	4.3	1.2	18.2	3.82	0.83
04.22.2021	10:17:01	S	3412.34	W	419.46	2.8	3.77	134	3.19	35.4	4.3	1.2	18.4	3.68	0.73
04.22.2021	10:18:01	S	3412.35	W	419.23	2.8	3.77	134	3.19	35.4	4.3	1.2	18.1	3.74	0.72
04.22.2021	10:19:01	S	3412.36	W	419.03	2.8	3.77	134	3.19	35.4	4.3	1.2	18.2	3.81	0.81
04.22.2021	10:20:01	S	3412.38	W	418.8	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.75	0.74
04.22.2021	10:21:02	S	3412.4	W	418.56	2.8	3.77	134	3.19	35.4	4.3	1.2	18.1	3.73	0.78
04.22.2021	10:22:02	S	3412.42	W	418.35	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.68	0.75
04.22.2021	10:23:02	S	3412.43	W	418.13	2.8	3.77	134	3.19	35.4	4.1	1.3	18.3	3.69	0.73
04.22.2021	10:24:02	S	3412.45	W	417.91	2.8	3.77	134	3.19	35.4	4.1	1.3	18.1	3.61	0.67
04.22.2021	10:25:02	S	3412.46	W	417.68	2.8	3.77	134	3.19	35.4	4.1	1.3	18.1	3.67	0.78
04.22.2021	10:26:02	S	3412.48	W	417.47	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.70	0.71
04.22.2021	10:27:02	S	3412.49	W	417.26	2.8	3.77	134	3.19	35.4	4.2	1.3	18.0	3.75	0.75
04.22.2021	10:28:02	S	3412.52	W	417.01	2.8	3.77	134	3.19	35.4	4.2	1.3	18.1	3.73	0.77
04.22.2021	10:29:02	S	3412.53	W	416.79	2.8	3.77	134	3.19	35.4	4.2	1.3	18.1	3.70	0.78
04.22.2021	10:30:02	S	3412.54	W	416.61	2.8	3.77	134	3.19	35.4	4.1	1.3	18.2	3.87	0.76
04.22.2021	10:30:59	S	3412.55	W	416.34	2.8	3.77	134	3.19	35.4	4.1	1.3	18.3	3.71	0.77
04.22.2021	10:31:59	S	3412.55	W	416.12	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.76	0.79
04.22.2021	10:32:59	S	3412.56	W	415.94	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.77	0.72
04.22.2021	10:33:59	S	3412.57	W	415.71	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.69	0.73
04.22.2021	10:34:59	S	3412.58	W	415.47	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.77	0.79
04.22.2021	10:35:59	S	3412.6	W	415.27	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.55	0.70
04.22.2021	10:36:59	S	3412.62	W	415.03	2.8	3.77	134	3.19	35.4	4.2	1.2	17.9	3.63	0.76
04.22.2021	10:37:59	S	3412.64	W	414.8	2.8	3.77	134	3.19	35.4	4.2	1.2	17.8	3.73	0.79
04.22.2021	10:38:59	S	3412.65	W	414.59	2.8	3.77	134	3.19	35.4	4.2	1.2	17.9	3.76	0.77
04.22.2021	10:39:59	S	3412.66	W	414.36	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.75	0.83
04.22.2021	10:40:55	S	3412.67	W	414.16	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.73	0.75
04.22.2021	10:41:55	S	3412.68	W	413.95	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.78	0.80
04.22.2021	10:42:55	S	3412.7	W	413.73	2.8	3.77	134	3.19	35.4	4.3	1.3	17.8	3.79	0.75
04.22.2021	10:43:55	S	3412.71	W	413.52	2.8	3.77	134	3.19	35.4	4.3	1.3	17.9	3.75	0.74
04.22.2021	10:44:55	S	3412.72	W	413.27	2.8	3.77	134	3.19	35.4	4.2	1.3	17.9	3.82	0.76
04.22.2021	10:45:55	S	3412.73	W	413.11	2.8	3.77	134	3.19	35.4	4.2	1.3	17.9	3.68	0.78

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	10:46:55	S	3412.75	W	412.88	2.8	3.77	134	3.19	35.4	4.2	1.3	17.9	3.78	0.76	
04.22.2021	10:47:55	S	3412.76	W	412.65	2.8	3.77	134	3.19	35.4	4.2	1.4	17.9	3.82	0.75	
04.22.2021	10:48:55	S	3412.78	W	412.41	2.8	3.77	134	3.19	35.4	4.2	1.4	17.8	3.75	0.69	
04.22.2021	10:49:55	S	3412.79	W	412.21	2.8	3.77	134	0.00	0.0	0.0	1.3	0.0	3.87	0.75	
04.22.2021	10:50:58	S	3412.81	W	411.98	2.8	3.77	134	3.19	35.4	4.2	1.3	17.9	3.62	0.69	
04.22.2021	10:51:58	S	3412.82	W	411.79	2.8	3.77	134	3.19	35.4	4.1	1.3	18.1	3.78	0.84	
04.22.2021	10:52:58	S	3412.83	W	411.56	2.8	3.77	134	3.19	35.4	4.1	1.3	18.1	3.76	0.79	
04.22.2021	10:53:58	S	3412.84	W	411.35	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.70	0.78	
04.22.2021	10:54:58	S	3412.86	W	411.12	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.80	0.76	
04.22.2021	10:55:58	S	3412.87	W	410.9	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.77	0.72	
04.22.2021	10:56:58	S	3412.88	W	410.7	2.8	3.77	134	3.19	35.4	4.2	1.3	18.0	3.79	0.75	
04.22.2021	10:57:58	S	3412.88	W	410.51	2.8	3.77	134	3.19	35.4	9.6	1.3	16.5	3.79	0.72	
04.22.2021	10:58:58	S	3412.9	W	410.25	2.8	3.77	134	0.00	0.0	0.0	1.6	0.0	3.72	0.75	
04.22.2021	10:59:58	S	3412.91	W	410.06	2.8	3.77	134	3.19	35.4	10.1	2.2	17.7	3.71	0.75	
04.22.2021	11:01:01	S	3412.93	W	409.85	2.8	3.77	134	3.19	35.4	5.7	2.4	17.7	3.77	0.73	
04.22.2021	11:02:01	S	3412.94	W	409.62	2.8	3.77	134	3.19	35.4	4.6	2.4	17.4	3.76	0.75	
04.22.2021	11:03:01	S	3412.95	W	409.42	2.8	3.77	134	3.19	35.4	4.4	2.4	17.6	3.71	0.72	
04.22.2021	11:04:01	S	3412.97	W	409.19	2.8	3.77	134	3.19	35.4	4.3	2.4	17.9	3.68	0.74	
04.22.2021	11:05:01	S	3412.98	W	408.97	2.8	3.77	134	3.19	35.4	4.2	2.5	17.8	3.71	0.73	
04.22.2021	11:06:01	S	3412.99	W	408.78	2.8	3.77	134	0.00	0.0	0.0	2.4	0.0	3.77	0.73	
04.22.2021	11:07:01	S	3413.01	W	408.54	2.8	3.77	134	3.19	35.4	4.2	2.5	17.6	3.74	0.75	
04.22.2021	11:08:01	S	3413.03	W	408.31	2.8	3.77	134	3.19	35.4	4.2	2.5	17.6	3.72	0.78	
04.22.2021	11:09:01	S	3413.05	W	408.12	2.8	3.77	134	3.19	35.4	4.1	2.5	17.5	3.68	0.70	
04.22.2021	11:10:01	S	3413.07	W	407.88	2.8	3.77	134	3.19	35.4	4.2	2.5	17.5	3.73	0.76	
04.22.2021	11:10:57	S	3413.08	W	407.67	2.8	3.77	134	3.19	35.4	4.1	2.5	17.7	3.76	0.76	
04.22.2021	11:11:57	S	3413.1	W	407.46	2.8	3.77	134	3.19	35.4	4.1	2.5	17.9	3.71	0.75	
04.22.2021	11:12:57	S	3413.12	W	407.24	2.8	3.77	134	3.19	35.4	4.2	2.5	17.7	3.78	0.80	
04.22.2021	11:13:57	S	3413.13	W	407.04	2.8	3.77	134	3.19	35.4	4.1	2.1	17.9	3.87	0.74	
04.22.2021	11:14:57	S	3413.14	W	406.84	2.8	3.77	134	3.19	35.4	4.1	1.6	17.7	3.87	0.78	
04.22.2021	11:15:57	S	3413.16	W	406.61	2.8	3.77	134	3.19	35.4	4.1	1.4	17.7	3.76	0.70	
04.22.2021	11:16:57	S	3413.17	W	406.4	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.63	0.69	
04.22.2021	11:17:57	S	3413.17	W	406.18	2.8	3.77	134	3.19	35.4	4.0	1.3	17.9	3.74	0.74	
04.22.2021	11:18:57	S	3413.19	W	405.96	2.8	3.77	134	3.19	35.4	4.0	1.3	17.8	3.75	0.72	
04.22.2021	11:19:57	S	3413.2	W	405.76	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.85	0.79	
04.22.2021	11:20:55	S	3413.21	W	405.55	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.72	0.81	
04.22.2021	11:21:55	S	3413.23	W	405.32	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.74	0.73	
04.22.2021	11:22:55	S	3413.24	W	405.11	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.76	0.76	
04.22.2021	11:23:55	S	3413.26	W	404.91	2.8	3.77	134	3.19	35.4	4.2	1.3	17.7	3.81	0.72	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	11:24:55	S	3413.27	W	404.68	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.70	0.74	
04.22.2021	11:25:55	S	3413.28	W	404.47	2.8	3.77	134	3.19	35.4	4.2	1.2	17.9	3.74	0.75	
04.22.2021	11:26:55	S	3413.3	W	404.26	2.8	3.77	134	3.19	35.4	4.2	1.2	18.0	3.90	0.78	
04.22.2021	11:27:55	S	3413.31	W	404.05	2.8	3.77	134	3.19	35.4	4.2	1.2	17.7	3.58	0.68	
04.22.2021	11:28:55	S	3413.33	W	403.84	2.8	3.77	134	3.19	35.4	4.2	1.2	17.8	3.78	0.73	
04.22.2021	11:29:55	S	3413.34	W	403.63	2.8	3.77	134	3.19	35.4	4.1	1.2	17.8	3.78	0.74	
04.22.2021	11:31:00	S	3413.34	W	403.42	2.8	3.77	134	3.19	35.4	4.1	1.2	17.6	3.56	0.76	
04.22.2021	11:32:00	S	3413.35	W	403.18	2.8	3.77	134	3.19	35.4	4.1	1.2	17.8	3.83	0.75	
04.22.2021	11:33:00	S	3413.37	W	403	2.8	3.77	134	3.19	35.4	4.2	1.2	17.7	3.75	0.75	
04.22.2021	11:34:00	S	3413.37	W	402.81	2.8	3.77	134	3.19	35.4	4.3	1.2	17.6	3.80	0.76	
04.22.2021	11:35:00	S	3413.39	W	402.59	2.8	3.77	134	3.19	35.4	4.2	1.2	17.5	3.72	0.72	
04.22.2021	11:36:00	S	3413.39	W	402.37	2.8	3.77	134	3.19	35.4	4.2	1.2	17.8	3.79	0.76	
04.22.2021	11:37:00	S	3413.4	W	402.17	2.8	3.77	134	3.19	35.4	4.2	1.2	17.8	3.71	0.51	
04.22.2021	11:38:00	S	3413.41	W	401.95	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.77	0.74	
04.22.2021	11:39:00	S	3413.43	W	401.73	2.8	3.77	134	3.19	35.4	4.2	1.2	17.6	3.88	0.78	
04.22.2021	11:40:00	S	3413.43	W	401.55	2.8	3.77	134	3.19	35.4	4.2	1.2	17.5	3.67	0.77	
04.22.2021	11:40:55	S	3413.44	W	401.31	2.8	3.77	134	3.19	35.4	4.2	1.3	17.5	3.77	0.83	
04.22.2021	11:41:55	S	3413.44	W	401.1	2.8	3.77	134	3.19	35.4	4.1	1.3	17.7	3.69	0.74	
04.22.2021	11:42:55	S	3413.43	W	400.88	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.85	0.75	
04.22.2021	11:43:55	S	3413.43	W	400.67	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.65	0.97	
04.22.2021	11:44:55	S	3413.43	W	400.45	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.70	0.74	
04.22.2021	11:45:55	S	3413.43	W	400.27	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.77	0.80	
04.22.2021	11:46:55	S	3413.43	W	400.05	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.71	0.74	
04.22.2021	11:47:55	S	3413.43	W	359.83	2.8	3.77	134	0.00	0.0	0.0	1.3	0.0	3.83	0.78	
04.22.2021	11:48:55	S	3413.43	W	359.64	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.75	0.72	
04.22.2021	11:49:55	S	3413.43	W	359.42	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.72	0.78	
04.22.2021	11:51:00	S	3413.43	W	359.21	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.85	0.81	
04.22.2021	11:52:00	S	3413.43	W	358.99	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.75	0.77	
04.22.2021	11:53:00	S	3413.44	W	358.78	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.65	0.75	
04.22.2021	11:54:00	S	3413.44	W	358.58	2.8	3.77	134	3.19	35.4	4.1	1.2	17.9	3.64	0.74	
04.22.2021	11:55:00	S	3413.44	W	358.4	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.64	0.74	
04.22.2021	11:56:00	S	3413.44	W	358.14	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.75	0.72	
04.22.2021	11:57:00	S	3413.44	W	357.93	2.8	3.77	134	3.19	35.4	4.1	1.2	17.9	3.73	0.74	
04.22.2021	11:58:00	S	3413.44	W	357.74	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.75	0.78	
04.22.2021	11:59:00	S	3413.44	W	357.52	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.73	0.79	
04.22.2021	12:00:00	S	3413.45	W	357.32	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.58	0.68	
04.22.2021	12:00:57	S	3413.45	W	357.09	2.8	3.77	134	3.19	35.4	4.2	1.2	18.0	3.76	0.76	
04.22.2021	12:01:57	S	3413.45	W	356.91	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.75	0.76	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	12:02:57	S	3413.44	W	356.67	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.85	0.77	
04.22.2021	12:03:57	S	3413.44	W	356.49	2.8	3.77	134	3.19	35.4	4.1	1.3	18.2	3.70	0.71	
04.22.2021	12:04:57	S	3413.45	W	356.26	2.8	3.77	134	3.19	35.4	4.1	1.3	18.1	3.76	0.73	
04.22.2021	12:05:57	S	3413.45	W	356.02	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.79	0.78	
04.22.2021	12:06:57	S	3413.45	W	355.83	2.8	3.77	134	3.19	35.4	4.2	1.3	18.0	3.82	0.77	
04.22.2021	12:07:57	S	3413.46	W	355.63	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.71	0.76	
04.22.2021	12:08:57	S	3413.47	W	355.42	2.8	3.77	134	3.19	35.4	4.1	1.3	18.1	3.87	0.80	
04.22.2021	12:09:57	S	3413.47	W	355.19	2.8	3.77	134	3.19	35.4	4.3	1.3	17.7	3.74	0.75	
04.22.2021	12:11:03	S	3413.47	W	354.99	2.8	3.77	134	3.19	35.4	4.2	1.3	17.8	3.77	0.80	
04.22.2021	12:12:03	S	3413.47	W	354.8	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.70	0.72	
04.22.2021	12:13:03	S	3413.47	W	354.56	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.70	0.74	
04.22.2021	12:14:03	S	3413.47	W	354.34	2.8	3.77	134	3.19	35.4	4.0	1.2	17.9	3.80	0.81	
04.22.2021	12:15:03	S	3413.48	W	354.15	2.8	3.77	134	3.19	35.4	4.0	1.2	17.6	3.71	0.98	
04.22.2021	12:16:03	S	3413.48	W	353.95	2.8	3.77	134	3.19	35.4	4.0	1.2	17.7	3.71	0.74	
04.22.2021	12:17:03	S	3413.48	W	353.72	2.8	3.77	134	3.19	35.4	4.1	1.2	17.7	3.77	0.75	
04.22.2021	12:18:03	S	3413.49	W	353.51	2.8	3.77	134	3.19	35.4	4.1	1.2	17.6	3.75	0.73	
04.22.2021	12:19:03	S	3413.49	W	353.34	2.8	3.77	134	3.19	35.4	4.0	1.2	17.5	3.70	0.72	
04.22.2021	12:20:03	S	3413.49	W	353.08	2.8	3.77	134	3.19	35.4	4.0	1.2	17.7	3.71	0.72	
04.22.2021	12:21:00	S	3413.49	W	352.87	2.8	3.77	134	3.19	35.4	4.0	1.2	17.6	3.79	0.73	
04.22.2021	12:22:00	S	3413.49	W	352.66	2.8	3.77	134	3.19	35.4	4.0	1.2	17.8	3.73	0.69	
04.22.2021	12:23:00	S	3413.49	W	352.46	2.8	3.77	134	3.19	35.4	4.0	1.2	17.8	3.77	0.77	
04.22.2021	12:24:00	S	3413.49	W	352.27	2.8	3.77	134	3.19	35.4	4.1	1.1	17.8	3.78	0.77	
04.22.2021	12:25:00	S	3413.5	W	352.05	2.8	3.77	134	3.19	35.4	4.0	1.2	17.8	3.81	0.81	
04.22.2021	12:26:00	S	3413.51	W	351.85	2.8	3.77	134	3.19	35.4	4.0	1.2	17.8	3.75	0.73	
04.22.2021	12:27:00	S	3413.51	W	351.64	2.8	3.77	134	3.19	35.4	4.0	1.2	17.7	3.82	0.78	
04.22.2021	12:28:00	S	3413.52	W	351.42	2.8	3.77	134	3.19	35.4	4.0	1.1	17.7	3.69	0.70	
04.22.2021	12:29:00	S	3413.52	W	351.24	2.8	3.77	134	3.19	35.4	4.2	1.2	17.7	3.76	0.75	
04.22.2021	12:30:00	S	3413.53	W	351.01	2.8	3.77	134	3.19	35.4	4.1	1.2	17.8	3.67	0.71	
04.22.2021	12:30:57	S	3413.54	W	350.8	2.8	3.77	134	3.19	35.4	4.1	1.2	17.9	3.65	0.73	
04.22.2021	12:31:57	S	3413.54	W	350.56	2.8	3.77	134	3.19	35.4	4.1	1.2	17.8	3.86	0.78	
04.22.2021	12:32:57	S	3413.54	W	350.35	2.8	3.77	134	3.19	35.4	4.0	1.2	17.9	3.66	0.67	
04.22.2021	12:33:57	S	3413.54	W	350.14	2.8	3.77	134	3.19	35.4	4.0	1.2	17.9	3.83	0.78	
04.22.2021	12:34:57	S	3413.54	W	349.91	2.8	3.77	134	3.19	35.4	4.0	1.2	18.0	3.77	0.78	
04.22.2021	12:35:57	S	3413.54	W	349.74	2.8	3.77	134	3.19	35.4	4.2	1.2	17.8	3.73	0.74	
04.22.2021	12:36:57	S	3413.54	W	349.51	2.8	3.77	134	3.19	35.4	4.1	1.2	17.9	3.78	0.81	
04.22.2021	12:37:57	S	3413.55	W	349.29	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.77	0.79	
04.22.2021	12:38:57	S	3413.56	W	349.05	2.8	3.77	134	3.19	35.4	4.1	1.2	17.9	3.77	0.74	
04.22.2021	12:39:57	S	3413.57	W	348.86	2.8	3.77	134	3.19	35.4	4.1	1.2	17.9	3.84	0.72	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	12:41:00	S	3413.57	W	348.65	2.8	3.77	134	3.19	35.4	4.1	1.2	18.1	3.77	0.80	
04.22.2021	12:42:00	S	3413.58	W	348.42	2.8	3.77	134	3.19	35.4	4.2	1.2	17.9	3.77	0.80	
04.22.2021	12:43:00	S	3413.6	W	348.23	2.8	3.77	134	3.19	35.4	4.3	1.2	17.6	3.69	0.77	
04.22.2021	12:44:00	S	3413.62	W	348.02	2.8	3.77	134	3.19	35.4	4.3	1.2	17.7	3.76	0.78	
04.22.2021	12:45:00	S	3413.64	W	347.81	2.8	3.77	134	3.19	35.4	4.2	1.3	17.9	3.71	0.73	
04.22.2021	12:46:00	S	3413.65	W	347.6	2.8	3.77	134	3.19	35.4	4.4	1.3	17.6	3.70	0.76	
04.22.2021	12:47:00	S	3413.66	W	347.37	2.8	3.77	134	3.19	35.4	4.2	1.3	17.9	3.65	0.77	
04.22.2021	12:48:00	S	3413.67	W	347.17	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.67	0.76	
04.22.2021	12:49:00	S	3413.68	W	346.95	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.65	0.67	
04.22.2021	12:50:00	S	3413.69	W	346.73	2.8	3.77	134	3.19	35.4	4.2	1.3	17.8	3.76	0.81	
04.22.2021	12:51:00	S	3413.7	W	346.52	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.73	0.71	
04.22.2021	12:52:00	S	3413.72	W	346.31	2.8	3.77	134	3.19	35.4	4.1	1.3	18.1	3.88	0.79	
04.22.2021	12:53:00	S	3413.73	W	346.11	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.68	0.74	
04.22.2021	12:54:00	S	3413.75	W	345.86	2.8	3.77	134	3.19	35.4	4.1	1.3	17.9	3.77	0.78	
04.22.2021	12:55:00	S	3413.77	W	345.67	2.8	3.77	134	3.19	35.4	4.1	1.3	17.8	3.58	0.63	
04.22.2021	12:56:00	S	3413.79	W	345.44	2.8	3.77	134	3.19	35.4	4.1	1.3	18.0	3.77	0.77	
04.22.2021	12:57:00	S	3413.8	W	345.23	2.8	3.77	134	0.00	0.0	0.0	1.3	0.0	3.77	0.75	
04.22.2021	12:58:00	S	3413.82	W	345.02	2.8	3.77	134	3.19	35.4	4.0	1.3	18.0	3.71	0.72	
04.22.2021	12:59:00	S	3413.83	W	344.79	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.77	0.74	
04.22.2021	13:00:00	S	3413.84	W	344.59	2.8	3.77	134	3.19	35.4	4.0	1.2	17.9	3.71	0.72	
04.22.2021	13:00:54	S	3413.86	W	344.39	2.8	3.77	134	3.19	35.4	4.0	1.2	17.9	3.75	0.74	
04.22.2021	13:01:54	S	3413.88	W	344.14	2.8	3.77	134	3.19	35.4	4.1	1.1	17.9	3.69	0.74	
04.22.2021	13:02:54	S	3413.9	W	343.94	2.8	3.77	134	3.19	35.4	4.0	1.1	17.9	3.71	0.73	
04.22.2021	13:03:54	S	3413.91	W	343.72	2.8	3.77	134	3.19	35.4	4.0	1.1	17.9	3.77	0.73	
04.22.2021	13:04:54	S	3413.93	W	343.52	2.8	3.77	134	3.19	35.4	4.1	1.1	18.0	3.76	0.73	
04.22.2021	13:05:54	S	3413.94	W	343.28	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.78	0.74	
04.22.2021	13:06:54	S	3413.95	W	343.09	2.8	3.77	134	3.19	35.4	4.0	1.1	18.0	3.85	0.79	
04.22.2021	13:07:54	S	3413.97	W	342.88	2.8	3.77	134	3.19	35.4	4.0	1.1	18.2	3.86	0.87	
04.22.2021	13:08:54	S	3413.99	W	342.65	2.8	3.77	134	3.19	35.4	4.0	1.1	17.9	3.72	0.73	
04.22.2021	13:09:54	S	3414	W	342.46	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.79	0.59	
04.22.2021	13:10:54	S	3414.02	W	342.24	2.8	3.77	134	3.19	35.4	4.0	1.0	18.0	3.75	0.73	
04.22.2021	13:11:54	S	3414.05	W	342.01	2.8	3.77	134	3.19	35.4	4.1	1.1	18.0	3.86	0.81	
04.22.2021	13:12:54	S	3414.07	W	341.81	2.8	3.77	134	3.19	35.4	4.2	1.1	18.0	3.71	0.71	
04.22.2021	13:13:54	S	3414.09	W	341.62	2.8	3.77	134	3.19	35.4	4.1	1.1	18.0	3.80	0.78	
04.22.2021	13:14:54	S	3414.1	W	341.4	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.66	0.78	
04.22.2021	13:15:54	S	3414.12	W	341.17	2.8	3.77	134	3.19	35.4	4.0	1.2	18.3	3.72	0.76	
04.22.2021	13:16:54	S	3414.13	W	340.97	2.8	3.77	134	3.19	35.4	4.0	1.1	18.0	3.72	0.74	
04.22.2021	13:17:54	S	3414.14	W	340.77	2.8	3.77	134	3.19	35.4	4.0	1.1	17.8	3.71	0.78	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	13:18:54	S	3414.15	W	340.53	2.8	3.77	134	3.19	35.4	4.1	1.1	17.9	3.79	0.80
04.22.2021	13:19:54	S	3414.18	W	340.29	2.8	3.77	134	3.19	35.4	4.2	1.2	18.0	3.67	0.75
04.22.2021	13:20:58	S	3414.2	W	340.1	2.8	3.77	134	3.19	35.4	4.2	1.2	18.0	3.71	0.74
04.22.2021	13:21:58	S	3414.22	W	339.91	2.8	3.77	134	3.19	35.4	4.1	1.2	18.2	3.77	0.77
04.22.2021	13:22:58	S	3414.23	W	339.67	2.8	3.77	134	3.19	35.4	4.0	1.2	18.0	3.76	0.75
04.22.2021	13:23:58	S	3414.23	W	339.47	2.8	3.77	134	3.19	35.4	4.0	1.2	18.1	3.77	0.76
04.22.2021	13:24:58	S	3414.24	W	339.23	2.8	3.77	134	3.19	35.4	4.0	1.2	18.2	3.73	0.75
04.22.2021	13:25:58	S	3414.26	W	339.05	2.8	3.77	134	3.19	35.4	4.1	1.2	18.3	3.79	0.81
04.22.2021	13:26:58	S	3414.27	W	338.81	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.79	0.75
04.22.2021	13:27:58	S	3414.28	W	338.61	2.8	3.77	134	3.19	35.4	4.1	1.2	18.0	3.76	0.72
04.22.2021	13:28:58	S	3414.28	W	338.4	2.8	3.77	134	3.19	35.4	4.0	1.2	18.2	3.79	0.83
04.22.2021	13:29:58	S	3414.29	W	338.2	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.59	0.74
04.22.2021	13:31:02	S	3414.3	W	337.98	2.8	3.77	134	3.19	35.4	4.2	1.2	18.2	3.73	0.78
04.22.2021	13:32:02	S	3414.31	W	337.77	2.8	3.77	134	3.19	35.4	4.3	1.2	17.8	3.84	0.85
04.22.2021	13:33:02	S	3414.32	W	337.57	2.8	3.77	134	3.19	35.4	4.3	1.2	17.8	3.69	0.81
04.22.2021	13:34:02	S	3414.33	W	337.36	2.8	3.77	134	3.19	35.4	4.2	1.2	18.1	3.74	0.80
04.22.2021	13:35:02	S	3414.34	W	337.16	2.8	3.77	134	3.19	35.4	4.2	1.2	18.3	3.75	0.81
04.22.2021	13:36:02	S	3414.34	W	336.95	2.8	3.77	134	3.19	35.4	4.2	1.3	18.4	3.66	0.72
04.22.2021	13:37:02	S	3414.34	W	336.72	2.8	3.77	134	3.19	35.4	4.1	1.3	18.4	3.78	0.81
04.22.2021	13:38:02	S	3414.33	W	336.51	2.8	3.77	134	3.19	35.4	4.1	1.3	18.3	3.65	0.75
04.22.2021	13:39:02	S	3414.33	W	336.32	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.68	0.67
04.22.2021	13:40:02	S	3414.34	W	336.11	2.8	3.77	134	3.19	35.4	4.1	1.3	18.2	3.75	0.75
04.22.2021	13:41:02	S	3414.34	W	335.88	2.8	3.77	134	3.19	35.4	4.1	1.3	18.2	3.76	0.68
04.22.2021	13:42:02	S	3414.34	W	335.67	2.8	3.77	134	3.19	35.4	4.1	1.3	18.3	3.80	0.80
04.22.2021	13:43:02	S	3414.34	W	335.45	2.8	3.77	134	3.19	35.4	4.2	1.3	18.2	3.76	0.76
04.22.2021	13:44:02	S	3414.34	W	335.23	2.8	3.77	134	3.19	35.4	4.1	1.3	18.4	3.75	0.73
04.22.2021	13:45:02	S	3414.34	W	335.05	2.8	3.77	134	3.19	35.4	4.1	1.3	18.5	3.84	0.75
04.22.2021	13:46:02	S	3414.35	W	334.82	2.8	3.77	134	3.19	35.4	4.1	1.3	18.3	3.78	0.76
04.22.2021	13:47:02	S	3414.35	W	334.6	2.8	3.77	134	3.19	35.4	4.0	1.3	18.2	3.79	0.81
04.22.2021	13:48:02	S	3414.34	W	334.38	2.8	3.77	134	3.19	35.4	4.0	1.2	18.4	3.72	0.81
04.22.2021	13:49:02	S	3414.34	W	334.17	2.8	3.77	134	3.19	35.4	4.0	1.2	18.3	3.70	0.71
04.22.2021	13:50:02	S	3414.34	W	333.96	2.8	3.77	134	3.19	35.4	4.0	1.2	18.2	3.76	0.72
04.22.2021	13:50:59	S	3414.34	W	333.94	0.0	0.00	1	0.00	0.0	0.0	1.2	0.0	0.80	0.77
04.22.2021	13:51:59	S	3414.35	W	333.54	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	0.86	0.80
04.22.2021	13:52:59	S	3414.35	W	333.33	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	0.79	0.75
04.22.2021	13:53:59	S	3414.34	W	333.12	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	5.23	5.11
04.22.2021	13:54:59	S	3414.34	W	332.92	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.29	1.13
04.22.2021	13:55:59	S	3414.35	W	332.7	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	6.23	6.58

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	13:56:59	S	3414.35	W	332.7	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	5.29	5.18	
04.22.2021	13:57:59	S	3414.35	W	332.27	2.8	3.77	134	3.19	35.4	4.0	1.0	19.1	5.31	5.22	
04.22.2021	13:58:59	S	3414.35	W	332.23	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	0.79	0.73	
04.22.2021	13:59:59	S	3414.36	W	331.87	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	0.83	0.74	
04.22.2021	14:00:54	S	3414.36	W	331.8	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	0.85	0.82	
04.22.2021	14:01:54	S	3414.36	W	331.46	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	0.78	0.76	
04.22.2021	14:02:54	S	3414.36	W	331.24	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	0.88	0.84	
04.22.2021	14:03:54	S	3414.36	W	331.03	2.8	3.77	134	3.19	35.4	3.8	1.0	19.0	0.82	0.78	
04.22.2021	14:04:54	S	3414.37	W	330.91	0.0	0.00	1	0.00	0.0	0.0	1.0	0.0	0.83	0.76	
04.22.2021	14:05:54	S	3414.38	W	330.62	2.8	3.77	134	3.19	35.4	3.8	1.0	19.0	0.85	0.81	
04.22.2021	14:06:54	S	3414.38	W	330.39	2.8	3.77	134	3.19	35.4	3.8	0.9	19.0	0.81	0.78	
04.22.2021	14:07:54	S	3414.39	W	330.2	2.8	3.77	134	3.19	35.4	3.8	0.9	19.0	0.91	0.87	
04.22.2021	14:08:54	S	3414.39	W	330.12	2.8	3.77	134	3.19	35.4	3.8	0.9	19.1	0.81	0.80	
04.22.2021	14:09:54	S	3414.4	W	329.78	0.0	0.00	1	0.00	0.0	0.0	0.9	0.0	0.82	0.78	
04.22.2021	14:10:54	S	3414.4	W	329.78	2.8	3.77	134	3.19	35.4	3.8	0.9	19.1	0.70	0.67	
04.22.2021	14:11:54	S	3414.4	W	329.4	2.8	3.77	134	3.19	35.4	3.8	0.8	19.1	0.90	0.82	
04.22.2021	14:12:54	S	3414.4	W	329.4	2.8	3.77	134	3.19	35.4	3.8	0.8	19.1	0.78	0.74	
04.22.2021	14:13:54	S	3414.42	W	329.02	0.0	0.00	1	0.00	0.0	0.0	0.8	0.0	0.81	0.78	
04.22.2021	14:14:54	S	3414.42	W	329.02	2.8	3.77	134	3.19	35.4	3.8	0.7	19.1	0.82	0.76	
04.22.2021	14:15:54	S	3414.42	W	328.65	2.8	3.77	134	3.19	35.4	3.8	0.7	19.0	0.84	0.81	
04.22.2021	14:16:54	S	3414.42	W	328.24	2.8	3.77	134	3.19	35.4	3.7	0.7	19.1	0.82	0.80	
04.22.2021	14:17:54	S	3414.42	W	328.03	2.8	3.77	134	3.19	35.4	3.7	0.7	19.0	0.79	0.79	
04.22.2021	14:20:13	S	3414.42	W	327.95	0.0	0.00	1	0.00	0.0	0.0	0.7	0.0	0.84	0.81	
04.22.2021	14:21:13	S	3414.44	W	327.33	2.8	3.77	134	3.19	35.4	3.7	0.7	19.1	0.81	0.77	
04.22.2021	14:22:13	S	3414.44	W	327.29	0.0	0.00	1	0.00	0.0	0.0	0.7	0.0	0.84	0.82	
04.22.2021	14:23:13	S	3414.44	W	326.91	2.8	3.77	134	3.19	35.4	3.7	0.6	19.1	0.80	0.75	
04.22.2021	14:24:13	S	3414.44	W	326.69	2.8	3.77	134	3.19	35.4	3.7	0.6	19.0	0.83	0.79	
04.22.2021	14:25:13	S	3414.45	W	326.48	2.8	3.77	134	3.19	35.4	3.7	0.6	19.0	0.85	0.76	
04.22.2021	14:26:13	S	3414.45	W	326.25	2.8	3.77	134	3.19	35.4	3.7	0.7	19.0	0.78	0.73	
04.22.2021	14:28:46	S	3414.46	W	326.12	2.8	3.77	134	3.19	35.4	3.7	0.7	19.0	0.84	0.79	
04.22.2021	14:29:46	S	3414.46	W	325.51	2.8	3.77	134	3.19	35.4	3.7	0.7	19.0	0.78	0.75	
04.22.2021	14:30:46	S	3414.46	W	325.29	2.8	3.77	134	3.19	35.4	3.7	0.7	19.0	5.45	5.37	
04.22.2021	14:31:46	S	3414.46	W	325.07	2.8	3.77	134	3.19	35.4	3.7	0.7	19.0	3.63	0.75	
04.22.2021	14:32:46	S	3414.47	W	324.84	2.8	3.77	134	3.19	35.4	3.7	0.7	19.0	3.72	0.72	
04.22.2021	14:33:46	S	3414.48	W	324.64	2.8	3.77	134	3.19	35.4	4.9	0.7	18.0	5.39	5.29	
04.22.2021	14:34:46	S	3414.48	W	324.45	2.8	3.77	134	3.19	35.4	5.1	0.8	17.1	3.74	0.69	
04.22.2021	14:35:46	S	3414.49	W	324.24	2.8	3.77	134	3.19	35.4	5.0	1.0	16.3	3.74	0.74	
04.22.2021	14:36:46	S	3414.49	W	324	2.8	3.77	134	3.19	35.4	4.8	1.1	16.7	3.67	0.73	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	14:37:46	S	3414.5	W	323.82	2.8	3.77	134	3.19	35.4	4.9	1.1	17.2	3.72	0.82	
04.22.2021	14:38:46	S	3414.51	W	323.72	2.8	3.77	134	3.19	35.4	4.6	1.3	17.3	3.76	0.81	
04.22.2021	14:39:46	S	3414.51	W	323.37	2.8	3.77	134	3.19	35.4	4.5	1.4	17.4	3.81	0.82	
04.22.2021	14:40:46	S	3414.51	W	323.16	2.8	3.77	134	3.19	35.4	4.3	1.4	17.7	3.67	0.69	
04.22.2021	14:41:46	S	3414.52	W	322.97	2.8	3.77	134	3.19	35.4	4.3	1.4	17.7	3.71	0.78	
04.22.2021	14:42:46	S	3414.53	W	322.77	2.8	3.77	134	3.19	35.4	4.3	1.5	17.9	3.62	0.75	
04.22.2021	14:43:46	S	3414.54	W	322.55	2.8	3.77	134	3.19	35.4	4.2	1.5	17.7	3.76	0.75	
04.22.2021	14:44:46	S	3414.55	W	322.34	2.8	3.77	134	3.19	35.4	4.0	1.5	17.8	3.75	0.77	
04.22.2021	14:45:46	S	3414.56	W	322.11	2.8	3.77	134	3.19	35.4	4.0	1.6	18.0	3.77	0.82	
04.22.2021	14:46:46	S	3414.56	W	321.92	2.8	3.77	134	3.19	35.4	4.0	1.6	18.1	3.74	0.76	
04.22.2021	14:47:46	S	3414.59	W	321.68	2.8	3.77	134	3.19	35.4	4.0	1.6	18.3	3.73	0.78	
04.22.2021	14:48:51	S	3414.61	W	321.46	2.8	3.77	134	3.19	35.4	4.1	1.6	18.2	3.67	0.73	
04.22.2021	14:49:51	S	3414.63	W	321.27	2.8	3.77	134	3.19	35.4	4.0	1.6	18.1	3.74	0.76	
04.22.2021	14:50:51	S	3414.65	W	321.06	2.8	3.77	134	3.19	35.4	4.0	1.5	18.4	3.76	0.75	
04.22.2021	14:51:51	S	3414.67	W	320.85	2.8	3.77	134	3.19	35.4	4.0	1.3	18.2	3.78	0.85	
04.22.2021	14:52:51	S	3414.69	W	320.63	2.8	3.77	134	3.19	35.4	4.0	1.3	18.0	3.69	0.75	
04.22.2021	14:53:51	S	3414.71	W	320.42	2.8	3.77	134	3.19	35.4	4.0	1.2	18.3	3.62	0.69	
04.22.2021	14:54:51	S	3414.74	W	320.18	2.8	3.77	134	3.19	35.4	4.0	1.2	18.5	3.76	0.78	
04.22.2021	14:55:51	S	3414.76	W	319.98	2.8	3.77	134	3.19	35.4	4.0	1.1	18.3	3.76	0.78	
04.22.2021	14:56:51	S	3414.78	W	319.77	2.8	3.77	134	3.19	35.4	4.1	1.1	18.3	3.72	0.76	
04.22.2021	14:57:51	S	3414.8	W	319.56	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.69	0.77	
04.22.2021	14:58:50	S	3414.83	W	319.35	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.80	0.80	
04.22.2021	14:59:50	S	3414.85	W	319.15	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.65	0.73	
04.22.2021	15:00:50	S	3414.87	W	318.91	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.77	0.74	
04.22.2021	15:01:50	S	3414.9	W	318.69	2.8	3.77	134	3.19	35.4	4.0	1.0	18.2	3.75	0.72	
04.22.2021	15:02:50	S	3414.92	W	318.5	2.8	3.77	134	3.19	35.4	4.0	1.0	18.2	3.76	0.72	
04.22.2021	15:03:50	S	3414.94	W	318.28	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.73	0.76	
04.22.2021	15:04:50	S	3414.96	W	318.05	2.8	3.77	134	3.19	35.4	4.0	1.0	18.2	3.84	0.75	
04.22.2021	15:05:50	S	3414.98	W	317.85	2.8	3.77	134	3.19	35.4	4.0	1.0	18.4	3.73	0.73	
04.22.2021	15:06:50	S	3415.01	W	317.62	2.8	3.77	134	3.19	35.4	4.0	1.1	18.2	3.79	0.75	
04.22.2021	15:07:50	S	3415.03	W	317.4	2.8	3.77	134	3.19	35.4	3.9	1.1	17.9	3.67	0.80	
04.22.2021	15:08:54	S	3415.03	W	317.21	2.8	3.77	134	3.19	35.4	4.0	1.1	18.0	3.75	0.75	
04.22.2021	15:09:54	S	3415.04	W	316.99	2.8	3.77	134	3.19	35.4	3.9	1.0	17.9	3.67	0.75	
04.22.2021	15:10:54	S	3415.04	W	316.75	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.73	0.77	
04.22.2021	15:11:54	S	3415.05	W	316.57	2.8	3.77	134	3.19	35.4	4.0	1.0	18.2	3.60	0.69	
04.22.2021	15:12:54	S	3415.07	W	316.35	2.8	3.77	134	3.19	35.4	4.0	1.0	18.2	3.70	0.63	
04.22.2021	15:13:54	S	3415.09	W	316.13	2.8	3.77	134	3.19	35.4	4.1	1.1	18.3	3.65	0.73	
04.22.2021	15:14:54	S	3415.11	W	315.93	2.8	3.77	134	3.19	35.4	4.1	1.1	18.3	3.68	0.72	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	15:15:54	S	3415.12	W	315.7	2.8	3.77	134	3.19	35.4	4.0	1.1	18.2	3.78	0.75	
04.22.2021	15:16:54	S	3415.13	W	315.5	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.74	0.70	
04.22.2021	15:17:54	S	3415.14	W	315.27	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.78	0.72	
04.22.2021	15:18:53	S	3415.15	W	315.09	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.75	0.74	
04.22.2021	15:19:53	S	3415.17	W	314.87	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.78	0.78	
04.22.2021	15:20:53	S	3415.19	W	314.66	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.82	0.77	
04.22.2021	15:21:53	S	3415.2	W	314.43	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.72	0.77	
04.22.2021	15:22:53	S	3415.21	W	314.23	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.74	0.75	
04.22.2021	15:23:53	S	3415.22	W	314	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.80	0.82	
04.22.2021	15:24:53	S	3415.23	W	313.8	2.8	3.77	134	3.19	35.4	3.9	1.2	18.4	3.80	0.78	
04.22.2021	15:25:53	S	3415.25	W	313.61	2.8	3.77	134	3.19	35.4	4.0	1.2	18.4	3.67	0.78	
04.22.2021	15:26:53	S	3415.26	W	313.38	2.8	3.77	134	3.19	35.4	3.9	1.2	18.2	3.75	0.76	
04.22.2021	15:27:53	S	3415.26	W	313.16	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.74	0.77	
04.22.2021	15:28:47	S	3415.27	W	312.94	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.75	0.82	
04.22.2021	15:29:48	S	3415.29	W	312.69	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.57	0.72	
04.22.2021	15:30:48	S	3415.31	W	312.49	2.8	3.77	134	3.19	35.4	3.9	1.1	18.0	3.84	0.76	
04.22.2021	15:31:48	S	3415.32	W	312.3	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.74	0.68	
04.22.2021	15:32:48	S	3415.34	W	312.07	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.82	0.85	
04.22.2021	15:33:48	S	3415.34	W	311.87	2.8	3.77	134	3.19	35.4	3.9	1.1	18.2	3.73	0.76	
04.22.2021	15:34:48	S	3415.35	W	311.63	2.8	3.77	134	3.19	35.4	3.9	1.1	18.2	3.71	0.79	
04.22.2021	15:35:48	S	3415.36	W	311.4	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.81	0.76	
04.22.2021	15:36:48	S	3415.38	W	311.21	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.87	0.84	
04.22.2021	15:37:48	S	3415.39	W	310.98	2.8	3.77	134	3.19	35.4	4.0	1.1	18.4	3.72	0.70	
04.22.2021	15:38:50	S	3415.4	W	310.77	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.79	0.78	
04.22.2021	15:39:50	S	3415.4	W	310.53	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.80	0.83	
04.22.2021	15:40:50	S	3415.41	W	310.33	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.69	0.68	
04.22.2021	15:41:50	S	3415.41	W	310.09	2.8	3.77	134	3.19	35.4	4.0	1.1	18.3	3.76	0.73	
04.22.2021	15:42:50	S	3415.42	W	309.88	2.8	3.77	134	3.19	35.4	4.0	1.1	18.2	3.71	0.74	
04.22.2021	15:43:50	S	3415.42	W	309.65	2.8	3.77	134	3.19	35.4	4.1	1.1	18.2	3.72	0.76	
04.22.2021	15:44:50	S	3415.43	W	309.46	2.8	3.77	134	3.19	35.4	4.0	1.1	18.3	3.61	0.77	
04.22.2021	15:45:50	S	3415.43	W	309.23	2.8	3.77	134	3.19	35.4	4.0	1.2	18.2	3.77	0.77	
04.22.2021	15:46:50	S	3415.43	W	308.99	2.8	3.77	134	3.19	35.4	4.0	1.2	18.2	3.84	0.82	
04.22.2021	15:47:50	S	3415.44	W	308.79	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.74	0.75	
04.22.2021	15:48:49	S	3415.44	W	308.55	2.8	3.77	134	3.19	35.4	4.1	1.1	18.1	3.73	0.73	
04.22.2021	15:49:49	S	3415.45	W	308.35	2.8	3.77	134	3.19	35.4	4.1	1.1	18.0	3.79	0.72	
04.22.2021	15:50:49	S	3415.45	W	308.13	2.8	3.77	134	3.19	35.4	4.1	1.1	18.0	3.72	0.76	
04.22.2021	15:51:49	S	3415.45	W	307.91	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.85	0.81	
04.22.2021	15:52:49	S	3415.46	W	307.7	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.84	0.79	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	15:53:49	S	3415.46	W	307.48	2.8	3.77	134	3.19	35.4	4.0	1.1	18.3	3.73	0.79	
04.22.2021	15:54:49	S	3415.46	W	307.24	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.81	0.77	
04.22.2021	15:55:49	S	3415.46	W	307.02	2.8	3.77	134	3.19	35.4	4.0	1.1	18.2	3.76	0.76	
04.22.2021	15:56:49	S	3415.46	W	306.81	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.65	0.73	
04.22.2021	15:57:49	S	3415.47	W	306.57	2.8	3.77	134	3.19	35.4	4.0	1.1	18.1	3.80	0.78	
04.22.2021	15:58:50	S	3415.47	W	306.37	2.8	3.77	134	3.19	35.4	4.0	1.0	18.2	3.68	0.78	
04.22.2021	15:59:50	S	3415.47	W	306.14	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.51	0.75	
04.22.2021	16:00:50	S	3415.48	W	305.9	2.8	3.77	134	3.19	35.4	4.1	1.0	18.1	3.59	0.71	
04.22.2021	16:01:50	S	3415.48	W	305.69	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.73	0.77	
04.22.2021	16:02:50	S	3415.48	W	305.45	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.71	0.72	
04.22.2021	16:03:50	S	3415.49	W	305.24	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.78	0.82	
04.22.2021	16:04:50	S	3415.49	W	305.01	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.73	0.76	
04.22.2021	16:05:50	S	3415.5	W	304.8	2.8	3.77	134	3.19	35.4	3.9	1.1	18.0	3.77	0.78	
04.22.2021	16:06:50	S	3415.5	W	304.55	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.78	0.75	
04.22.2021	16:07:50	S	3415.51	W	304.37	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.74	0.78	
04.22.2021	16:08:54	S	3415.52	W	304.11	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.80	0.79	
04.22.2021	16:09:54	S	3415.53	W	303.87	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.73	0.69	
04.22.2021	16:10:54	S	3415.53	W	303.7	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.79	0.79	
04.22.2021	16:11:54	S	3415.53	W	303.45	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.74	0.70	
04.22.2021	16:12:54	S	3415.53	W	303.25	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.80	0.78	
04.22.2021	16:13:54	S	3415.54	W	303	2.8	3.77	134	3.19	35.4	4.0	1.1	18.4	3.78	0.76	
04.22.2021	16:14:54	S	3415.55	W	302.78	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.73	0.89	
04.22.2021	16:15:54	S	3415.56	W	302.56	2.8	3.77	134	3.19	35.4	3.9	1.1	18.2	3.75	0.74	
04.22.2021	16:16:54	S	3415.57	W	302.33	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.77	0.80	
04.22.2021	16:17:54	S	3415.57	W	302.1	2.8	3.77	134	3.19	35.4	3.9	1.0	18.3	3.64	0.72	
04.22.2021	16:18:52	S	3415.57	W	301.9	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.77	0.75	
04.22.2021	16:19:52	S	3415.58	W	301.64	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.71	0.74	
04.22.2021	16:20:52	S	3415.59	W	301.42	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.78	0.80	
04.22.2021	16:21:52	S	3415.6	W	301.21	2.8	3.77	134	3.19	35.4	3.9	1.1	18.0	3.68	0.73	
04.22.2021	16:22:52	S	3415.6	W	301	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.76	0.76	
04.22.2021	16:23:52	S	3415.61	W	300.8	2.8	3.77	134	3.19	35.4	3.9	1.0	18.1	3.73	0.77	
04.22.2021	16:24:52	S	3415.61	W	300.54	2.8	3.77	134	3.19	35.4	3.9	1.1	18.2	3.78	0.80	
04.22.2021	16:25:52	S	3415.62	W	300.34	2.8	3.77	134	3.19	35.4	3.9	1.1	18.1	3.78	0.74	
04.22.2021	16:26:52	S	3415.63	W	300.12	2.8	3.77	134	3.19	35.4	4.0	1.1	18.4	3.75	0.74	
04.22.2021	16:27:52	S	3415.64	W	259.86	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.76	0.79	
04.22.2021	16:28:51	S	3415.64	W	259.66	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.75	0.76	
04.22.2021	16:29:51	S	3415.65	W	259.43	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.65	0.72	
04.22.2021	16:30:51	S	3415.66	W	259.19	2.8	3.77	134	3.19	35.4	3.9	1.1	18.0	3.66	0.78	

3. Sampling Data (20210422)

Company Name: PANASIA		System Name: PaSOx_smart2.0		Hull No. : SC271											
IMO No. : 9764087															
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	16:31:51	S	3415.67	W	258.99	2.8	3.77	134	3.19	35.4	4.0	1.1	18.3	3.76	0.75
04.22.2021	16:32:51	S	3415.67	W	258.74	2.8	3.77	134	3.19	35.4	3.9	1.1	18.2	3.62	0.76
04.22.2021	16:33:51	S	3415.68	W	258.55	2.8	3.77	134	3.19	35.4	3.9	1.1	18.3	3.68	0.76
04.22.2021	16:34:51	S	3415.69	W	258.33	2.8	3.77	134	3.19	35.4	4.0	1.1	18.3	3.68	0.72
04.22.2021	16:35:51	S	3415.7	W	258.07	2.8	3.77	134	3.19	35.4	3.9	1.0	18.3	3.76	0.72
04.22.2021	16:36:51	S	3415.71	W	257.86	2.8	3.77	134	0.00	0.0	0.0	1.0	0.0	3.81	0.76
04.22.2021	16:37:51	S	3415.72	W	257.62	2.8	3.77	134	3.19	35.4	3.9	1.0	18.2	3.77	0.77
04.22.2021	16:38:53	S	3415.73	W	257.42	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.72	0.75
04.22.2021	16:39:53	S	3415.74	W	257.17	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.75	0.77
04.22.2021	16:40:53	S	3415.75	W	256.97	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.72	0.76
04.22.2021	16:41:53	S	3415.75	W	256.83	2.8	3.77	134	3.19	35.4	4.0	0.9	18.5	3.77	0.74
04.22.2021	16:42:53	S	3415.75	W	256.83	2.8	3.77	134	3.19	35.4	4.0	0.9	18.5	3.80	0.79
04.22.2021	16:43:53	S	3415.76	W	256.4	2.8	3.77	134	3.19	35.4	4.0	0.9	18.6	3.69	0.70
04.22.2021	16:44:53	S	3415.76	W	256.4	2.8	3.77	134	3.19	35.4	4.0	0.9	18.6	3.71	0.73
04.22.2021	16:45:53	S	3415.79	W	255.83	2.8	3.77	134	3.19	35.4	3.9	0.9	18.4	3.75	0.76
04.22.2021	16:46:53	S	3415.79	W	255.64	2.8	3.77	134	3.19	35.4	3.9	0.9	18.3	3.76	0.75
04.22.2021	16:47:53	S	3415.8	W	255.41	2.8	3.77	134	3.19	35.4	3.9	0.9	18.4	3.70	0.82
04.22.2021	16:48:46	S	3415.81	W	255.13	2.8	3.77	134	3.19	35.4	3.9	0.9	18.5	3.70	0.76
04.22.2021	16:49:46	S	3415.82	W	254.93	2.8	3.77	134	3.19	35.4	3.9	0.9	18.7	3.67	0.73
04.22.2021	16:50:46	S	3415.82	W	254.72	2.8	3.77	134	3.19	35.4	3.9	0.9	18.5	3.73	0.78
04.22.2021	16:51:46	S	3415.83	W	254.49	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.80	0.76
04.22.2021	16:52:46	S	3415.84	W	254.26	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.79	0.72
04.22.2021	16:53:46	S	3415.85	W	254.03	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.74	0.70
04.22.2021	16:54:46	S	3415.86	W	253.83	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.71	0.71
04.22.2021	16:55:46	S	3415.86	W	253.59	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.73	0.67
04.22.2021	16:56:46	S	3415.86	W	253.35	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.85	0.64
04.22.2021	16:57:46	S	3415.87	W	253.16	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.77	0.79
04.22.2021	16:58:46	S	3415.88	W	252.93	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.73	0.75
04.22.2021	16:59:46	S	3415.89	W	252.67	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.79	0.73
04.22.2021	17:00:46	S	3415.91	W	252.48	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.82	0.77
04.22.2021	17:01:46	S	3415.92	W	252.24	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.86	0.86
04.22.2021	17:02:46	S	3415.93	W	252.02	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.77	0.81
04.22.2021	17:03:46	S	3415.95	W	251.8	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.75	0.77
04.22.2021	17:04:46	S	3415.96	W	251.56	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.74	0.74
04.22.2021	17:05:46	S	3415.97	W	251.35	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.70	0.76
04.22.2021	17:06:46	S	3415.98	W	251.13	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.69	0.70
04.22.2021	17:07:46	S	3415.99	W	250.89	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.76	0.75
04.22.2021	17:08:51	S	3416	W	250.66	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.78	0.78

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	17:09:51	S	3416.01	W	250.45	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.68	0.72
04.22.2021	17:10:51	S	3416.02	W	250.24	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.70	0.71
04.22.2021	17:11:51	S	3416.03	W	250.04	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.75	0.75
04.22.2021	17:12:51	S	3416.04	W	249.77	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.74	0.73
04.22.2021	17:13:51	S	3416.04	W	249.57	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.74	0.75
04.22.2021	17:14:51	S	3416.05	W	249.35	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.75	0.79
04.22.2021	17:15:51	S	3416.07	W	249.11	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.76	0.77
04.22.2021	17:16:51	S	3416.08	W	248.93	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.73	0.76
04.22.2021	17:17:51	S	3416.09	W	248.72	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.76	0.76
04.22.2021	17:18:45	S	3416.09	W	248.47	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.66	0.75
04.22.2021	17:19:45	S	3416.1	W	248.23	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.66	0.77
04.22.2021	17:20:45	S	3416.11	W	248.05	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.66	0.81
04.22.2021	17:21:45	S	3416.12	W	247.82	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.84	0.77
04.22.2021	17:22:45	S	3416.12	W	247.62	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.72	0.74
04.22.2021	17:23:45	S	3416.13	W	247.42	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.69	0.77
04.22.2021	17:24:45	S	3416.14	W	247.17	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.82	0.78
04.22.2021	17:25:45	S	3416.15	W	246.95	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.67	0.66
04.22.2021	17:26:45	S	3416.16	W	246.75	2.8	3.77	134	3.19	35.4	4.1	1.1	18.7	3.77	0.73
04.22.2021	17:27:45	S	3416.18	W	246.51	2.8	3.77	134	3.19	35.4	4.1	1.1	18.7	3.67	0.69
04.22.2021	17:28:50	S	3416.19	W	246.29	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.75	0.74
04.22.2021	17:29:50	S	3416.2	W	246.07	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.73	0.72
04.22.2021	17:30:50	S	3416.21	W	245.85	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.71	0.73
04.22.2021	17:31:50	S	3416.22	W	245.63	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.76	0.77
04.22.2021	17:32:50	S	3416.23	W	245.45	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.75	0.79
04.22.2021	17:33:50	S	3416.24	W	245.21	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.76	0.79
04.22.2021	17:34:50	S	3416.25	W	245.02	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.68	0.71
04.22.2021	17:35:50	S	3416.26	W	244.78	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.69	0.76
04.22.2021	17:36:50	S	3416.28	W	244.53	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.63	0.74
04.22.2021	17:37:50	S	3416.29	W	244.35	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.75	0.70
04.22.2021	17:38:47	S	3416.3	W	244.13	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.78	0.78
04.22.2021	17:39:47	S	3416.31	W	243.91	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.75	0.77
04.22.2021	17:40:47	S	3416.31	W	243.69	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.76	0.77
04.22.2021	17:41:47	S	3416.32	W	243.49	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.77	0.77
04.22.2021	17:42:47	S	3416.34	W	243.25	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.71	0.75
04.22.2021	17:43:47	S	3416.35	W	243.04	2.8	3.77	134	0.00	0.0	0.0	0.9	0.0	3.80	0.80
04.22.2021	17:44:47	S	3416.36	W	242.81	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.79	0.73
04.22.2021	17:45:47	S	3416.37	W	242.58	2.8	3.77	134	3.19	35.4	3.9	1.0	19.3	3.70	0.73
04.22.2021	17:46:47	S	3416.39	W	242.37	2.8	3.77	134	3.19	35.4	4.0	0.9	19.0	3.71	0.77

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087					System Name: PaSOx_smart2.0					Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	17:47:47	S	3416.4	W	242.17	2.8	3.77	134	3.19	35.4	3.9	0.9	18.7	3.70	0.71
04.22.2021	17:48:47	S	3416.41	W	241.91	2.8	3.77	134	3.19	35.4	3.9	0.9	18.8	3.79	0.80
04.22.2021	17:49:47	S	3416.42	W	241.73	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.77	0.80
04.22.2021	17:50:47	S	3416.42	W	241.49	2.8	3.77	134	3.19	35.4	3.9	0.9	19.0	3.66	0.74
04.22.2021	17:51:47	S	3416.43	W	241.3	2.8	3.77	134	3.19	35.4	4.0	0.9	19.1	3.76	0.82
04.22.2021	17:52:47	S	3416.45	W	241.07	2.8	3.77	134	3.19	35.4	4.0	0.8	19.0	3.58	0.65
04.22.2021	17:53:47	S	3416.47	W	240.85	2.8	3.77	134	3.19	35.4	4.0	0.8	19.0	3.69	0.76
04.22.2021	17:54:47	S	3416.48	W	240.62	2.8	3.77	134	3.19	35.4	4.0	0.8	18.9	3.80	0.77
04.22.2021	17:55:47	S	3416.48	W	240.42	2.8	3.77	134	3.19	35.4	3.9	0.8	19.0	3.76	0.77
04.22.2021	17:56:47	S	3416.49	W	240.18	2.8	3.77	134	3.19	35.4	4.0	0.8	19.1	3.81	0.79
04.22.2021	17:57:47	S	3416.5	W	239.97	2.8	3.77	134	3.19	35.4	4.0	0.8	19.1	3.81	0.80
04.22.2021	17:58:53	S	3416.52	W	239.77	2.8	3.77	134	3.19	35.4	4.0	0.8	18.9	3.80	0.76
04.22.2021	17:59:53	S	3416.53	W	239.55	2.8	3.77	134	3.19	35.4	4.0	0.9	18.9	3.85	0.82
04.22.2021	18:00:53	S	3416.55	W	239.35	2.8	3.77	134	3.19	35.4	4.0	0.9	19.0	3.72	0.75
04.22.2021	18:01:53	S	3416.58	W	239.09	2.8	3.77	134	3.19	35.4	4.0	0.9	18.9	3.75	0.77
04.22.2021	18:02:53	S	3416.59	W	238.87	2.8	3.77	134	3.19	35.4	4.0	0.9	19.0	3.73	0.76
04.22.2021	18:03:53	S	3416.61	W	238.69	2.8	3.77	134	3.19	35.4	3.9	0.9	19.0	3.77	0.76
04.22.2021	18:04:53	S	3416.62	W	238.48	2.8	3.77	134	3.19	35.4	4.0	0.9	18.9	3.73	0.80
04.22.2021	18:05:53	S	3416.64	W	238.24	2.8	3.77	134	3.19	35.4	4.0	1.0	19.1	3.73	0.73
04.22.2021	18:06:53	S	3416.65	W	238.04	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.74	0.78
04.22.2021	18:07:53	S	3416.66	W	237.8	2.8	3.77	134	3.19	35.4	3.9	0.9	18.8	3.78	0.79
04.22.2021	18:08:52	S	3416.68	W	237.59	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.66	0.70
04.22.2021	18:09:52	S	3416.69	W	237.38	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.66	0.76
04.22.2021	18:10:52	S	3416.71	W	237.12	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.77	0.80
04.22.2021	18:11:52	S	3416.72	W	236.91	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.62	0.65
04.22.2021	18:12:52	S	3416.74	W	236.68	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.76	0.77
04.22.2021	18:13:52	S	3416.76	W	236.49	2.8	3.77	134	3.19	35.4	4.0	1.0	19.1	3.72	0.71
04.22.2021	18:14:52	S	3416.77	W	236.24	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.71	0.70
04.22.2021	18:15:52	S	3416.79	W	236.04	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.80	0.79
04.22.2021	18:16:52	S	3416.81	W	235.79	2.8	3.77	134	3.19	35.4	3.9	0.9	19.2	3.76	0.72
04.22.2021	18:17:52	S	3416.83	W	235.56	2.8	3.77	134	3.19	35.4	4.0	0.9	19.1	3.75	0.78
04.22.2021	18:18:51	S	3416.84	W	235.36	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.81	0.76
04.22.2021	18:19:51	S	3416.87	W	235.11	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.75	0.78
04.22.2021	18:20:51	S	3416.89	W	234.88	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.76	0.71
04.22.2021	18:21:51	S	3416.9	W	234.69	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.68	0.73
04.22.2021	18:22:51	S	3416.91	W	234.45	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.79	0.82
04.22.2021	18:23:51	S	3416.92	W	234.21	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.69	0.75
04.22.2021	18:24:51	S	3416.93	W	234.01	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.71	0.75

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	18:25:51	S	3416.93	W	233.77	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.78	
04.22.2021	18:26:51	S	3416.94	W	233.55	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.76	0.71	
04.22.2021	18:27:51	S	3416.95	W	233.33	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.81	0.74	
04.22.2021	18:28:48	S	3416.97	W	233.12	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.73	0.68	
04.22.2021	18:29:48	S	3416.98	W	232.89	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.73	0.75	
04.22.2021	18:30:48	S	3416.99	W	232.68	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.80	0.79	
04.22.2021	18:31:48	S	3417	W	232.44	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.76	0.79	
04.22.2021	18:32:48	S	3417.01	W	232.21	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.71	0.73	
04.22.2021	18:33:48	S	3417.02	W	231.98	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.71	
04.22.2021	18:34:48	S	3417.03	W	231.77	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.72	0.71	
04.22.2021	18:35:48	S	3417.04	W	231.55	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.77	0.76	
04.22.2021	18:36:48	S	3417.05	W	231.32	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.73	0.76	
04.22.2021	18:37:48	S	3417.06	W	231.07	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.75	0.77	
04.22.2021	18:38:54	S	3417.06	W	230.87	2.8	3.77	134	3.19	35.4	4.0	1.0	18.4	3.64	0.70	
04.22.2021	18:39:54	S	3417.07	W	230.65	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.77	0.78	
04.22.2021	18:40:54	S	3417.08	W	230.45	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.70	0.75	
04.22.2021	18:41:54	S	3417.08	W	230.2	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.72	0.74	
04.22.2021	18:42:54	S	3417.09	W	229.98	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.82	0.78	
04.22.2021	18:43:54	S	3417.1	W	229.74	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.67	0.70	
04.22.2021	18:44:54	S	3417.11	W	229.52	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.72	0.75	
04.22.2021	18:45:54	S	3417.12	W	229.29	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.81	0.74	
04.22.2021	18:46:54	S	3417.13	W	229.08	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.76	0.79	
04.22.2021	18:47:54	S	3417.13	W	228.85	2.8	3.77	134	3.19	35.4	3.9	1.0	18.3	3.72	0.72	
04.22.2021	18:48:49	S	3417.13	W	228.62	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.80	0.73	
04.22.2021	18:49:49	S	3417.13	W	228.41	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.67	0.71	
04.22.2021	18:50:49	S	3417.13	W	228.15	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.80	0.77	
04.22.2021	18:51:49	S	3417.14	W	227.95	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.69	0.74	
04.22.2021	18:52:49	S	3417.15	W	227.75	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.74	0.75	
04.22.2021	18:53:49	S	3417.16	W	227.49	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.78	0.79	
04.22.2021	18:54:49	S	3417.16	W	227.28	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.71	0.74	
04.22.2021	18:55:49	S	3417.17	W	227.02	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.75	0.73	
04.22.2021	18:56:49	S	3417.18	W	226.82	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.71	0.76	
04.22.2021	18:57:49	S	3417.18	W	226.61	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.67	0.68	
04.22.2021	18:58:48	S	3417.19	W	226.35	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.73	0.76	
04.22.2021	18:59:48	S	3417.19	W	226.11	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.74	0.74	
04.22.2021	19:00:48	S	3417.2	W	225.9	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.83	0.78	
04.22.2021	19:01:48	S	3417.21	W	225.66	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.84	0.74	
04.22.2021	19:02:48	S	3417.22	W	225.46	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.72	0.72	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	19:03:48	S	3417.23	W	225.22	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.78	0.73
04.22.2021	19:04:48	S	3417.23	W	225.03	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.74	0.73
04.22.2021	19:05:48	S	3417.24	W	224.77	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.74	0.72
04.22.2021	19:06:48	S	3417.24	W	224.56	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.75	0.69
04.22.2021	19:07:48	S	3417.25	W	224.34	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.76	0.79
04.22.2021	19:08:51	S	3417.26	W	224.08	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.80	0.84
04.22.2021	19:09:51	S	3417.27	W	223.85	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.75	0.72
04.22.2021	19:10:51	S	3417.28	W	223.64	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.74	0.73
04.22.2021	19:11:51	S	3417.28	W	223.43	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.83	0.80
04.22.2021	19:12:51	S	3417.29	W	223.19	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.77	0.77
04.22.2021	19:13:51	S	3417.29	W	222.94	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.76	0.85
04.22.2021	19:14:51	S	3417.29	W	222.73	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.77	0.74
04.22.2021	19:15:51	S	3417.3	W	222.5	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.74	0.74
04.22.2021	19:16:51	S	3417.31	W	222.25	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.62	0.71
04.22.2021	19:17:51	S	3417.31	W	222.05	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.77	0.73
04.22.2021	19:18:49	S	3417.32	W	221.82	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.75	0.77
04.22.2021	19:19:49	S	3417.33	W	221.6	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.81	0.76
04.22.2021	19:20:49	S	3417.34	W	221.33	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.69	0.64
04.22.2021	19:21:49	S	3417.35	W	221.12	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.75	0.77
04.22.2021	19:22:49	S	3417.36	W	220.89	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.76	0.68
04.22.2021	19:23:49	S	3417.36	W	220.67	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.72	0.76
04.22.2021	19:24:49	S	3417.37	W	220.43	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.72	0.73
04.22.2021	19:25:49	S	3417.38	W	220.2	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.70	0.77
04.22.2021	19:26:49	S	3417.39	W	219.97	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.70	0.72
04.22.2021	19:27:49	S	3417.4	W	219.74	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.79	0.78
04.22.2021	19:28:48	S	3417.41	W	219.53	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.74	0.73
04.22.2021	19:29:48	S	3417.42	W	219.29	2.8	3.77	134	3.19	35.4	4.0	1.2	18.6	3.77	0.77
04.22.2021	19:30:48	S	3417.43	W	219.06	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.81	0.84
04.22.2021	19:31:48	S	3417.44	W	218.83	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.82	0.77
04.22.2021	19:32:48	S	3417.45	W	218.61	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.74	0.74
04.22.2021	19:33:48	S	3417.46	W	218.38	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.77	0.76
04.22.2021	19:34:48	S	3417.47	W	218.16	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.80	0.76
04.22.2021	19:35:48	S	3417.48	W	217.91	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.65	0.70
04.22.2021	19:36:48	S	3417.49	W	217.67	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.71	0.73
04.22.2021	19:37:48	S	3417.5	W	217.48	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.79	0.77
04.22.2021	19:38:51	S	3417.51	W	217.24	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.75	0.71
04.22.2021	19:39:51	S	3417.52	W	217.03	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.66	0.67
04.22.2021	19:40:51	S	3417.53	W	216.79	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.78	0.82

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	19:41:51	S	3417.54	W	216.57	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.85	0.75	
04.22.2021	19:42:51	S	3417.55	W	216.34	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.65	0.71	
04.22.2021	19:43:51	S	3417.56	W	216.1	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.80	0.84	
04.22.2021	19:44:51	S	3417.57	W	215.88	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.69	0.71	
04.22.2021	19:45:51	S	3417.59	W	215.63	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.71	0.75	
04.22.2021	19:46:51	S	3417.6	W	215.39	2.8	3.77	134	3.19	35.4	3.9	1.2	18.7	3.80	0.69	
04.22.2021	19:47:51	S	3417.61	W	215.19	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.72	0.68	
04.22.2021	19:48:54	S	3417.62	W	214.93	2.8	3.77	134	3.19	35.4	3.9	1.2	18.7	3.72	0.71	
04.22.2021	19:49:54	S	3417.63	W	214.73	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.70	0.76	
04.22.2021	19:50:54	S	3417.64	W	214.5	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.70	0.71	
04.22.2021	19:51:54	S	3417.65	W	214.25	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.75	0.73	
04.22.2021	19:52:54	S	3417.66	W	214.03	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.77	0.76	
04.22.2021	19:53:54	S	3417.66	W	213.84	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.75	0.75	
04.22.2021	19:54:54	S	3417.68	W	213.61	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.78	0.75	
04.22.2021	19:55:54	S	3417.69	W	213.36	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.76	0.76	
04.22.2021	19:56:54	S	3417.7	W	213.12	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.76	
04.22.2021	19:57:54	S	3417.71	W	212.9	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.76	
04.22.2021	19:58:51	S	3417.72	W	212.69	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.74	0.79	
04.22.2021	19:59:51	S	3417.73	W	212.48	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.68	0.79	
04.22.2021	20:00:51	S	3417.75	W	212.24	2.8	3.77	134	3.19	35.4	4.1	1.0	18.9	3.76	0.72	
04.22.2021	20:01:51	S	3417.77	W	212	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.77	0.74	
04.22.2021	20:02:51	S	3417.78	W	211.79	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.83	0.83	
04.22.2021	20:03:51	S	3417.79	W	211.54	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.68	0.68	
04.22.2021	20:04:51	S	3417.79	W	211.35	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.77	0.75	
04.22.2021	20:05:51	S	3417.8	W	211.1	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.83	0.81	
04.22.2021	20:06:51	S	3417.81	W	210.85	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.76	0.71	
04.22.2021	20:07:51	S	3417.82	W	210.63	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.73	0.72	
04.22.2021	20:08:50	S	3417.84	W	210.42	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.75	0.77	
04.22.2021	20:09:50	S	3417.85	W	210.2	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.76	0.72	
04.22.2021	20:10:50	S	3417.86	W	209.93	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.83	0.79	
04.22.2021	20:11:50	S	3417.87	W	209.71	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.82	0.74	
04.22.2021	20:12:50	S	3417.88	W	209.52	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.65	0.74	
04.22.2021	20:13:50	S	3417.89	W	209.29	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.66	0.67	
04.22.2021	20:14:50	S	3417.91	W	209.04	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.65	0.71	
04.22.2021	20:15:50	S	3417.92	W	208.83	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.78	
04.22.2021	20:16:50	S	3417.92	W	208.71	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.63	0.74	
04.22.2021	20:17:50	S	3417.92	W	208.71	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.66	0.72	
04.22.2021	20:18:49	S	3417.94	W	208.17	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.74	0.75	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	20:19:49	S	3417.96	W	207.92	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.77	0.73	
04.22.2021	20:20:49	S	3417.97	W	207.69	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.71	0.72	
04.22.2021	20:21:49	S	3417.99	W	207.48	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.65	0.71	
04.22.2021	20:22:49	S	3417.99	W	207.22	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.83	0.79	
04.22.2021	20:23:49	S	3418	W	207.02	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.76	
04.22.2021	20:24:49	S	3417.99	W	206.79	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.80	0.80	
04.22.2021	20:25:49	S	3417.99	W	206.57	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.67	0.75	
04.22.2021	20:26:49	S	3417.99	W	206.32	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.74	0.78	
04.22.2021	20:27:49	S	3418	W	206.12	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.80	
04.22.2021	20:28:51	S	3418	W	205.91	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.79	0.79	
04.22.2021	20:29:51	S	3418.01	W	205.67	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.74	0.74	
04.22.2021	20:30:51	S	3418.01	W	205.46	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.71	0.74	
04.22.2021	20:31:51	S	3418.01	W	205.25	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.74	0.71	
04.22.2021	20:32:51	S	3418.01	W	205.02	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.68	0.78	
04.22.2021	20:33:51	S	3418.02	W	204.76	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.75	0.79	
04.22.2021	20:34:51	S	3418.02	W	204.57	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.72	0.69	
04.22.2021	20:35:51	S	3418.03	W	204.32	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.75	0.78	
04.22.2021	20:36:51	S	3418.03	W	204.12	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.77	0.72	
04.22.2021	20:37:51	S	3418.03	W	203.86	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.74	0.76	
04.22.2021	20:38:54	S	3418.03	W	203.65	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.74	0.73	
04.22.2021	20:39:54	S	3418.03	W	203.41	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.75	0.78	
04.22.2021	20:40:54	S	3418.03	W	203.19	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.66	0.72	
04.22.2021	20:41:54	S	3418.04	W	202.98	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.77	0.76	
04.22.2021	20:42:54	S	3418.04	W	202.75	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.78	0.78	
04.22.2021	20:43:54	S	3418.05	W	202.53	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.78	0.70	
04.22.2021	20:44:54	S	3418.05	W	202.3	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.85	0.76	
04.22.2021	20:45:54	S	3418.06	W	202.1	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.78	0.77	
04.22.2021	20:46:54	S	3418.06	W	201.85	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.65	0.71	
04.22.2021	20:47:54	S	3418.06	W	201.6	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.67	0.76	
04.22.2021	20:48:49	S	3418.06	W	201.38	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.68	0.75	
04.22.2021	20:49:49	S	3418.07	W	201.16	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.68	0.66	
04.22.2021	20:50:49	S	3418.06	W	200.92	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.76	
04.22.2021	20:51:49	S	3418.06	W	200.71	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.74	0.74	
04.22.2021	20:52:49	S	3418.06	W	200.5	2.8	3.77	134	3.19	35.4	4.1	1.1	18.8	3.71	0.67	
04.22.2021	20:53:49	S	3418.06	W	200.24	2.8	3.77	134	3.19	35.4	4.2	1.1	18.7	3.69	0.70	
04.22.2021	20:54:49	S	3418.06	W	200.04	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.73	0.71	
04.22.2021	20:55:49	S	3418.06	W	159.82	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.76	
04.22.2021	20:56:49	S	3418.06	W	159.55	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.69	0.70	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	20:57:49	S	3418.05	W	159.35	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.79	0.74	
04.22.2021	20:58:48	S	3418.05	W	159.11	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.75	0.81	
04.22.2021	20:59:48	S	3418.05	W	158.89	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.73	0.74	
04.22.2021	21:00:48	S	3418.05	W	158.66	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.75	0.75	
04.22.2021	21:01:48	S	3418.05	W	158.45	2.8	3.77	134	3.19	35.4	4.1	1.2	18.7	3.78	0.76	
04.22.2021	21:02:48	S	3418.05	W	158.22	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.73	0.74	
04.22.2021	21:03:48	S	3418.05	W	157.99	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.73	0.74	
04.22.2021	21:04:48	S	3418.05	W	157.76	2.8	3.77	134	3.19	35.4	4.0	1.2	19.2	3.71	0.73	
04.22.2021	21:05:48	S	3418.04	W	157.56	2.8	3.77	134	3.19	35.4	4.0	1.2	19.2	3.71	0.81	
04.22.2021	21:06:48	S	3418.04	W	157.32	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.78	0.68	
04.22.2021	21:07:48	S	3418.04	W	157.09	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.71	0.71	
04.22.2021	21:08:54	S	3418.04	W	156.83	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.75	0.75	
04.22.2021	21:09:54	S	3418.03	W	156.61	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.68	0.70	
04.22.2021	21:10:54	S	3418.03	W	156.39	2.8	3.77	134	3.19	35.4	3.9	1.2	18.9	3.74	0.73	
04.22.2021	21:11:54	S	3418.03	W	156.15	2.8	3.77	134	3.19	35.4	3.9	1.2	19.1	3.69	0.76	
04.22.2021	21:12:54	S	3418.03	W	155.95	2.8	3.77	134	3.19	35.4	3.9	1.2	19.1	3.75	0.73	
04.22.2021	21:13:54	S	3418.04	W	155.7	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.77	0.75	
04.22.2021	21:14:54	S	3418.05	W	155.5	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.77	0.78	
04.22.2021	21:15:54	S	3418.06	W	155.25	2.8	3.77	134	3.19	35.4	3.9	1.2	18.7	3.79	0.81	
04.22.2021	21:16:54	S	3418.06	W	155.01	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.73	0.74	
04.22.2021	21:17:54	S	3418.07	W	154.81	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.68	0.74	
04.22.2021	21:18:54	S	3418.07	W	154.57	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.70	0.78	
04.22.2021	21:19:54	S	3418.08	W	154.33	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.75	
04.22.2021	21:20:54	S	3418.09	W	154.08	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.79	
04.22.2021	21:21:54	S	3418.1	W	153.88	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.66	0.77	
04.22.2021	21:22:54	S	3418.1	W	153.66	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.69	0.67	
04.22.2021	21:23:54	S	3418.11	W	153.4	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.78	0.74	
04.22.2021	21:24:54	S	3418.12	W	153.18	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.74	0.75	
04.22.2021	21:25:54	S	3418.14	W	152.94	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.85	0.79	
04.22.2021	21:26:54	S	3418.15	W	152.72	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.74	0.73	
04.22.2021	21:27:54	S	3418.17	W	152.48	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.73	0.66	
04.22.2021	21:28:49	S	3418.18	W	152.25	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.73	0.70	
04.22.2021	21:29:49	S	3418.19	W	152.03	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.70	0.71	
04.22.2021	21:30:49	S	3418.2	W	151.8	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.71	0.79	
04.22.2021	21:31:49	S	3418.22	W	151.55	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.72	0.74	
04.22.2021	21:32:49	S	3418.23	W	151.34	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.61	0.72	
04.22.2021	21:33:49	S	3418.24	W	151.08	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.66	0.72	
04.22.2021	21:34:49	S	3418.25	W	150.87	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.68	0.67	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_AVG_TUR	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	21:35:49	S	3418.26	W	150.65	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.64	0.74
04.22.2021	21:36:49	S	3418.28	W	150.39	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.74	0.77
04.22.2021	21:37:49	S	3418.29	W	150.17	2.8	3.77	134	3.19	35.4	4.0	1.2	18.6	3.73	0.72
04.22.2021	21:38:48	S	3418.3	W	149.95	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.80	0.76
04.22.2021	21:39:48	S	3418.32	W	149.7	2.8	3.77	134	3.19	35.4	4.1	1.2	19.2	3.74	0.75
04.22.2021	21:40:48	S	3418.33	W	149.49	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.72	0.75
04.22.2021	21:41:48	S	3418.35	W	149.24	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.71	0.86
04.22.2021	21:42:48	S	3418.36	W	149.03	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.77	0.75
04.22.2021	21:43:48	S	3418.37	W	148.78	2.8	3.77	134	3.19	35.4	4.1	1.2	18.7	3.69	0.69
04.22.2021	21:44:48	S	3418.38	W	148.53	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.82	0.79
04.22.2021	21:45:48	S	3418.4	W	148.3	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.68	0.73
04.22.2021	21:46:48	S	3418.42	W	148.07	2.8	3.77	134	3.19	35.4	4.0	1.2	18.6	3.72	0.80
04.22.2021	21:47:48	S	3418.43	W	147.85	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.75	0.69
04.22.2021	21:48:48	S	3418.45	W	147.6	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.68	0.72
04.22.2021	21:49:48	S	3418.46	W	147.35	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.79	0.78
04.22.2021	21:50:48	S	3418.47	W	147.13	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.75	0.77
04.22.2021	21:51:48	S	3418.49	W	146.92	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.70	0.81
04.22.2021	21:52:48	S	3418.51	W	146.65	2.8	3.77	134	3.19	35.4	3.9	1.2	18.5	3.69	0.79
04.22.2021	21:53:48	S	3418.52	W	146.42	2.8	3.77	134	3.19	35.4	3.9	1.2	18.4	3.71	0.74
04.22.2021	21:54:48	S	3418.53	W	146.17	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.77	0.71
04.22.2021	21:55:48	S	3418.54	W	145.97	2.8	3.77	134	3.19	35.4	3.9	1.2	18.7	3.82	0.78
04.22.2021	21:56:48	S	3418.56	W	145.73	2.8	3.77	134	3.19	35.4	3.9	1.2	18.7	3.75	0.74
04.22.2021	21:57:48	S	3418.57	W	145.51	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.77	0.76
04.22.2021	21:58:47	S	3418.58	W	145.26	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.71	0.68
04.22.2021	21:59:47	S	3418.59	W	145.01	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.80	0.78
04.22.2021	22:00:47	S	3418.61	W	144.79	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.71	0.67
04.22.2021	22:01:47	S	3418.62	W	144.55	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.85	0.77
04.22.2021	22:02:47	S	3418.64	W	144.3	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.84	0.79
04.22.2021	22:03:47	S	3418.65	W	144.08	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.75	0.76
04.22.2021	22:04:47	S	3418.66	W	143.84	2.8	3.77	134	3.19	35.4	4.0	1.0	19.1	3.68	0.73
04.22.2021	22:05:47	S	3418.68	W	143.61	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.68	0.74
04.22.2021	22:06:47	S	3418.7	W	143.34	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.73	0.79
04.22.2021	22:07:47	S	3418.71	W	143.14	2.8	3.77	134	0.00	0.0	0.0	1.0	0.0	3.73	0.74
04.22.2021	22:08:51	S	3418.72	W	142.9	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.76	0.82
04.22.2021	22:09:51	S	3418.74	W	142.64	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.68	0.71
04.22.2021	22:10:51	S	3418.75	W	142.42	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.83	0.83
04.22.2021	22:11:51	S	3418.77	W	142.19	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.89	0.79
04.22.2021	22:12:51	S	3418.78	W	141.92	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.77	0.73

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	22:13:51	S	3418.8	W	141.71	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.74	0.77
04.22.2021	22:14:51	S	3418.81	W	141.47	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.81	0.76
04.22.2021	22:15:51	S	3418.83	W	141.23	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.81	0.72
04.22.2021	22:16:51	S	3418.84	W	140.98	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.72	0.82
04.22.2021	22:17:51	S	3418.86	W	140.73	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.76	0.74
04.22.2021	22:18:49	S	3418.87	W	140.49	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.81	0.77
04.22.2021	22:19:49	S	3418.88	W	140.27	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.75	0.74
04.22.2021	22:20:49	S	3418.89	W	140.01	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.65	0.73
04.22.2021	22:21:49	S	3418.91	W	139.76	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.70	0.69
04.22.2021	22:22:49	S	3418.92	W	139.54	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.71	0.73
04.22.2021	22:23:49	S	3418.93	W	139.29	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.66	0.75
04.22.2021	22:24:49	S	3418.94	W	139.05	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.65	0.75
04.22.2021	22:25:49	S	3418.95	W	138.81	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.78	0.74
04.22.2021	22:26:49	S	3418.95	W	138.59	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.76	0.76
04.22.2021	22:27:49	S	3418.96	W	138.37	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.72	0.70
04.22.2021	22:28:47	S	3418.98	W	138.09	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.77	0.75
04.22.2021	22:29:47	S	3418.99	W	137.86	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.78	0.77
04.22.2021	22:30:47	S	3419.01	W	137.61	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.67	0.68
04.22.2021	22:31:47	S	3419.02	W	137.4	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.79	0.73
04.22.2021	22:32:47	S	3419.03	W	137.14	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.80	0.79
04.22.2021	22:33:47	S	3419.04	W	136.95	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.73	0.77
04.22.2021	22:34:47	S	3419.05	W	136.68	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.80	0.79
04.22.2021	22:35:47	S	3419.06	W	136.42	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.79	0.79
04.22.2021	22:36:47	S	3419.07	W	136.2	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.70	0.69
04.22.2021	22:37:47	S	3419.08	W	135.96	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.71	0.80
04.22.2021	22:38:48	S	3419.1	W	135.7	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.73	0.72
04.22.2021	22:39:48	S	3419.11	W	135.45	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.63	0.70
04.22.2021	22:40:48	S	3419.12	W	135.25	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.70	0.75
04.22.2021	22:41:48	S	3419.13	W	135.01	2.8	3.77	134	0.00	0.0	0.0	1.0	0.0	3.73	0.69
04.22.2021	22:42:48	S	3419.14	W	134.77	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.77	0.75
04.22.2021	22:43:48	S	3419.15	W	134.52	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.77	0.75
04.22.2021	22:44:48	S	3419.16	W	134.26	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.77	0.79
04.22.2021	22:45:48	S	3419.17	W	134.03	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.79	0.78
04.22.2021	22:46:48	S	3419.18	W	133.79	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.66	0.63
04.22.2021	22:47:48	S	3419.19	W	133.53	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.76	0.71
04.22.2021	22:48:56	S	3419.2	W	133.33	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.73	0.75
04.22.2021	22:49:56	S	3419.21	W	133.07	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.82	0.77
04.22.2021	22:50:56	S	3419.22	W	132.86	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.73	0.69

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	22:51:56	S	3419.23	W	132.6	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.70	0.68	
04.22.2021	22:52:56	S	3419.24	W	132.35	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.71	0.79	
04.22.2021	22:53:56	S	3419.25	W	132.12	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.76	0.76	
04.22.2021	22:54:56	S	3419.26	W	131.89	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.70	0.77	
04.22.2021	22:55:56	S	3419.26	W	131.62	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.63	0.73	
04.22.2021	22:56:56	S	3419.27	W	131.43	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.62	0.71	
04.22.2021	22:57:56	S	3419.28	W	131.16	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.71	0.70	
04.22.2021	22:58:51	S	3419.29	W	130.91	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.75	0.77	
04.22.2021	22:59:51	S	3419.3	W	130.68	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.77	0.77	
04.22.2021	23:00:51	S	3419.31	W	130.45	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.77	0.74	
04.22.2021	23:01:51	S	3419.32	W	130.22	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.81	0.78	
04.22.2021	23:02:51	S	3419.33	W	129.98	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.78	0.77	
04.22.2021	23:03:51	S	3419.34	W	129.73	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.77	0.73	
04.22.2021	23:04:51	S	3419.35	W	129.47	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.78	0.73	
04.22.2021	23:05:51	S	3419.36	W	129.24	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.75	
04.22.2021	23:06:51	S	3419.37	W	129.02	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.71	0.68	
04.22.2021	23:07:51	S	3419.39	W	128.78	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.73	0.74	
04.22.2021	23:08:48	S	3419.41	W	128.54	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.77	0.73	
04.22.2021	23:09:48	S	3419.42	W	128.31	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.76	0.71	
04.22.2021	23:10:48	S	3419.43	W	128.08	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.68	0.73	
04.22.2021	23:11:48	S	3419.44	W	127.84	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.74	0.84	
04.22.2021	23:12:48	S	3419.46	W	127.61	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.69	0.73	
04.22.2021	23:13:48	S	3419.47	W	127.37	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.86	0.70	
04.22.2021	23:14:48	S	3419.48	W	127.13	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.69	0.69	
04.22.2021	23:15:48	S	3419.49	W	126.9	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.72	0.74	
04.22.2021	23:16:48	S	3419.49	W	126.66	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.73	
04.22.2021	23:17:48	S	3419.5	W	126.43	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.81	0.78	
04.22.2021	23:18:48	S	3419.51	W	126.2	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.77	0.72	
04.22.2021	23:19:48	S	3419.51	W	125.97	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.72	0.76	
04.22.2021	23:20:48	S	3419.52	W	125.74	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.77	0.78	
04.22.2021	23:21:48	S	3419.53	W	125.5	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.78	0.74	
04.22.2021	23:22:48	S	3419.54	W	125.27	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.73	0.73	
04.22.2021	23:23:48	S	3419.55	W	125.03	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.79	0.79	
04.22.2021	23:24:48	S	3419.56	W	124.78	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.72	0.73	
04.22.2021	23:25:48	S	3419.57	W	124.58	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.63	0.72	
04.22.2021	23:26:48	S	3419.59	W	124.32	2.8	3.77	134	3.19	35.4	4.0	1.2	18.6	3.79	0.78	
04.22.2021	23:27:48	S	3419.6	W	124.11	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.68	0.71	
04.22.2021	23:28:49	S	3419.6	W	123.9	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.72	0.72	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.22.2021	23:29:49	S	3419.61	W	123.63	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.70	0.73	
04.22.2021	23:30:49	S	3419.62	W	123.42	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.76	0.76	
04.22.2021	23:31:49	S	3419.63	W	123.19	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.78	0.76	
04.22.2021	23:32:49	S	3419.65	W	122.95	2.8	3.77	134	3.19	35.4	3.9	1.2	18.3	3.79	0.80	
04.22.2021	23:33:49	S	3419.66	W	122.69	2.8	3.77	134	3.19	35.4	3.9	1.2	18.5	3.82	0.78	
04.22.2021	23:34:49	S	3419.67	W	122.46	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.80	0.73	
04.22.2021	23:35:49	S	3419.68	W	122.25	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.77	0.76	
04.22.2021	23:36:49	S	3419.69	W	122.01	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.82	0.82	
04.22.2021	23:37:49	S	3419.7	W	121.78	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.72	0.70	
04.22.2021	23:38:51	S	3419.71	W	121.57	2.8	3.77	134	3.19	35.4	4.1	1.1	18.7	3.79	0.82	
04.22.2021	23:39:51	S	3419.72	W	121.29	2.8	3.77	134	3.19	35.4	4.1	1.1	18.8	3.67	0.72	
04.22.2021	23:40:51	S	3419.73	W	121.08	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.78	0.80	
04.22.2021	23:41:51	S	3419.75	W	120.83	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.73	0.78	
04.22.2021	23:42:51	S	3419.76	W	120.62	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.68	0.77	
04.22.2021	23:43:51	S	3419.78	W	120.38	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.71	0.78	
04.22.2021	23:44:50	S	3419.79	W	120.18	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.73	0.77	
04.22.2021	23:45:50	S	3419.8	W	119.93	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.72	0.75	
04.22.2021	23:46:50	S	3419.81	W	119.69	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.75	0.79	
04.22.2021	23:47:50	S	3419.82	W	119.47	2.8	3.77	134	3.19	35.4	4.1	1.0	18.9	3.75	0.74	
04.22.2021	23:48:48	S	3419.84	W	119.22	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.72	0.78	
04.22.2021	23:49:48	S	3419.86	W	118.98	2.8	3.77	134	3.19	35.4	4.0	1.1	18.4	3.71	0.77	
04.22.2021	23:50:48	S	3419.87	W	118.77	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.79	0.77	
04.22.2021	23:51:48	S	3419.89	W	118.52	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.79	0.76	
04.22.2021	23:52:48	S	3419.9	W	118.27	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.71	0.73	
04.22.2021	23:53:48	S	3419.92	W	118.05	2.8	3.77	134	3.19	35.4	4.1	1.0	18.5	3.79	0.74	
04.22.2021	23:54:48	S	3419.92	W	117.82	2.8	3.77	134	3.19	35.4	4.0	1.0	18.4	3.68	0.70	
04.22.2021	23:55:48	S	3419.92	W	117.58	2.8	3.77	134	3.19	35.4	4.0	1.0	18.3	3.86	0.81	
04.22.2021	23:56:48	S	3419.94	W	117.32	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.70	0.72	
04.22.2021	23:57:48	S	3419.94	W	117.09	2.8	3.77	134	3.19	35.4	4.1	1.1	18.3	3.73	0.75	
04.22.2021	23:58:57	S	3419.95	W	116.88	2.8	3.77	134	3.19	35.4	4.0	1.1	18.5	3.71	0.73	
04.22.2021	23:59:57	S	3419.95	W	116.67	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.68	0.74	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	00:00:57	S	3406.75	W	643.13	56	59	-2	185.63	20.95	59	10.51	0.00	0.13	-0.37	
04.22.2021	00:01:57	S	3406.76	W	642.85	55	57	1	185.33	20.93	54	10.52	0.00	0.13	2.72	
04.22.2021	00:02:57	S	3406.76	W	642.62	57	58	5	185.13	20.96	52	10.52	0.00	0.15	2.73	
04.22.2021	00:03:57	S	3406.77	W	642.4	59	59	7	184.94	20.96	52	10.51	0.00	0.14	2.77	
04.22.2021	00:04:57	S	3406.78	W	642.18	56	57	1	184.66	20.93	55	10.53	0.00	0.15	2.76	
04.22.2021	00:05:57	S	3406.78	W	642.18	56	57	1	184.77	20.97	55	10.52	0.00	0.15	2.75	
04.22.2021	00:06:57	S	3406.78	W	641.69	56	57	5	184.64	20.94	52	10.51	0.00	0.16	-0.38	
04.22.2021	00:07:57	S	3406.78	W	641.45	60	61	5	184.59	20.95	55	10.51	0.00	0.14	2.66	
04.22.2021	00:08:57	S	3406.78	W	641.22	60	60	3	184.74	21.03	57	10.51	0.00	0.15	2.71	
04.22.2021	00:09:57	S	3406.79	W	641.01	57	57	1	184.85	21.09	56	10.52	0.00	0.16	2.69	
04.22.2021	00:10:54	S	3406.8	W	640.77	57	59	5	184.70	21.06	54	10.52	0.00	0.15	2.67	
04.22.2021	00:11:54	S	3406.81	W	640.53	56	57	4	184.77	21.08	52	10.52	0.00	0.15	-0.36	
04.22.2021	00:12:54	S	3406.82	W	640.27	55	56	6	184.72	21.06	48	10.51	0.00	0.13	-0.37	
04.22.2021	00:13:54	S	3406.82	W	640.04	58	58	2	185.03	21.18	55	10.50	0.00	0.12	-0.37	
04.22.2021	00:14:54	S	3406.83	W	639.82	57	57	3	185.03	21.15	54	10.53	0.00	0.16	-0.37	
04.22.2021	00:15:54	S	3406.84	W	639.58	56	57	4	185.00	21.12	52	10.51	0.00	0.13	-0.37	
04.22.2021	00:16:54	S	3406.85	W	639.33	55	56	5	185.37	21.17	50	10.51	0.00	0.13	2.77	
04.22.2021	00:17:54	S	3406.85	W	639.11	54	54	3	185.53	21.15	51	10.51	0.00	0.17	2.77	
04.22.2021	00:18:54	S	3406.86	W	638.87	57	57	5	185.68	21.18	51	10.52	0.00	0.15	2.74	
04.22.2021	00:19:54	S	3406.86	W	638.62	55	55	6	185.68	21.17	48	10.51	0.00	0.16	2.72	
04.22.2021	00:20:53	S	3406.87	W	638.41	56	56	7	185.96	21.25	49	10.49	0.00	0.15	2.74	
04.22.2021	00:21:53	S	3406.88	W	638.16	56	56	7	185.94	21.22	49	10.51	0.00	0.15	-0.38	
04.22.2021	00:22:53	S	3406.88	W	637.94	52	52	6	185.83	21.20	46	10.51	0.00	0.13	-0.38	
04.22.2021	00:23:53	S	3406.89	W	637.7	54	54	3	186.05	21.25	51	10.51	0.00	0.12	-0.38	
04.22.2021	00:24:53	S	3406.89	W	637.45	56	57	8	185.98	21.20	48	10.51	0.00	0.13	-0.39	
04.22.2021	00:25:53	S	3406.89	W	637.23	59	60	8	186.24	21.26	51	10.51	0.00	0.14	-0.38	
04.22.2021	00:26:53	S	3406.9	W	636.94	57	58	8	186.05	21.21	49	10.52	0.00	0.14	-0.35	
04.22.2021	00:27:53	S	3406.91	W	636.76	54	54	5	185.87	21.20	48	10.50	0.00	0.13	2.85	
04.22.2021	00:28:53	S	3406.92	W	636.5	54	55	4	185.87	21.19	50	10.52	0.00	0.14	2.79	
04.22.2021	00:29:53	S	3406.93	W	636.25	57	59	4	185.57	21.17	53	10.51	0.00	0.15	2.80	
04.22.2021	00:30:57	S	3406.93	W	636	57	58	6	185.46	21.22	52	10.52	0.00	0.13	2.76	
04.22.2021	00:31:57	S	3406.94	W	635.78	57	59	0	185.37	21.18	57	10.50	0.00	0.16	2.82	
04.22.2021	00:32:57	S	3406.94	W	635.53	58	59	7	185.33	21.20	51	10.51	0.00	0.15	-0.40	
04.22.2021	00:33:57	S	3406.94	W	635.41	66	68	9	185.24	21.16	58	10.51	0.00	0.12	-0.38	
04.22.2021	00:34:57	S	3406.94	W	635.41	66	67	9	185.24	21.18	57	10.51	0.00	0.13	-0.38	
04.22.2021	00:35:57	S	3406.97	W	634.8	59	60	5	185.13	21.21	54	10.50	0.00	0.14	-0.36	
04.22.2021	00:36:57	S	3406.98	W	634.56	57	59	5	185.05	21.22	52	10.51	0.00	0.12	-0.39	
04.22.2021	00:37:57	S	3406.99	W	634.34	55	57	8	184.81	21.16	48	10.50	0.00	0.13	2.82	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	00:38:57	S	3407	W	634.09	56	57	9	184.94	21.20	47	10.51	0.00	0.14	2.80	
04.22.2021	00:39:57	S	3407	W	633.85	61	61	5	184.94	21.16	55	10.52	0.00	0.16	2.80	
04.22.2021	00:40:59	S	3407.01	W	633.6	59	60	5	185.22	21.22	54	10.54	0.00	0.14	2.77	
04.22.2021	00:41:59	S	3407.01	W	633.39	59	60	6	184.96	21.14	53	10.50	0.00	0.16	2.79	
04.22.2021	00:42:59	S	3407.02	W	633.15	61	61	10	185.44	21.27	51	10.51	0.00	0.14	-0.38	
04.22.2021	00:43:59	S	3407.03	W	632.91	60	60	7	185.46	21.24	53	10.51	0.00	0.13	-0.38	
04.22.2021	00:44:59	S	3407.04	W	632.64	58	57	8	185.24	21.20	49	10.53	0.00	0.13	-0.39	
04.22.2021	00:45:59	S	3407.04	W	632.42	58	58	8	185.26	21.18	49	10.53	0.00	0.16	-0.37	
04.22.2021	00:46:59	S	3407.05	W	632.17	56	56	11	185.57	21.28	45	10.50	0.00	0.14	-0.36	
04.22.2021	00:47:59	S	3407.06	W	631.93	53	53	11	185.37	21.21	43	10.51	0.00	0.13	2.81	
04.22.2021	00:48:59	S	3407.07	W	631.72	52	53	6	185.42	21.21	45	10.51	0.00	0.13	2.84	
04.22.2021	00:49:59	S	3407.07	W	631.48	54	54	5	185.59	21.24	48	10.51	0.00	0.12	2.84	
04.22.2021	00:50:54	S	3407.08	W	631.2	54	54	9	185.59	21.22	44	10.50	0.00	0.15	2.82	
04.22.2021	00:51:54	S	3407.09	W	630.97	53	54	4	185.55	21.22	49	10.52	0.00	0.15	2.75	
04.22.2021	00:52:54	S	3407.1	W	630.75	58	59	5	185.53	21.20	54	10.50	0.00	0.16	-0.36	
04.22.2021	00:53:54	S	3407.12	W	630.5	54	55	5	185.48	21.25	49	10.52	0.00	0.15	-0.37	
04.22.2021	00:54:54	S	3407.15	W	630.25	51	53	4	185.07	21.18	47	10.51	0.00	0.13	-0.37	
04.22.2021	00:55:54	S	3407.17	W	630.02	50	52	5	185.07	21.22	46	10.51	0.00	0.13	-0.39	
04.22.2021	00:56:54	S	3407.19	W	629.8	53	54	1	184.72	21.19	52	10.52	0.00	0.13	-0.37	
04.22.2021	00:57:54	S	3407.21	W	629.53	52	54	-0	184.59	21.14	53	10.51	0.00	0.14	-0.36	
04.22.2021	00:58:54	S	3407.22	W	629.29	59	60	7	184.81	21.18	52	10.51	0.00	0.14	2.75	
04.22.2021	00:59:54	S	3407.24	W	629.08	60	60	10	184.90	21.18	49	10.51	0.00	0.15	2.74	
04.22.2021	01:01:00	S	3407.26	W	628.85	58	59	4	184.94	21.19	54	10.53	0.00	0.16	2.80	
04.22.2021	01:02:00	S	3407.28	W	628.59	57	58	5	184.94	21.19	52	10.51	0.00	0.14	2.75	
04.22.2021	01:03:00	S	3407.29	W	628.34	58	59	6	185.05	21.12	53	10.49	0.00	0.14	2.83	
04.22.2021	01:04:00	S	3407.3	W	628.13	62	63	9	185.44	21.25	52	10.51	0.00	0.14	-0.37	
04.22.2021	01:05:00	S	3407.32	W	627.89	58	58	8	185.31	21.22	50	10.52	0.00	0.13	-0.38	
04.22.2021	01:06:00	S	3407.34	W	627.63	63	63	8	185.24	21.20	56	10.51	0.00	0.14	-0.38	
04.22.2021	01:07:00	S	3407.36	W	627.4	62	62	5	185.55	21.26	56	10.52	0.00	0.13	-0.37	
04.22.2021	01:08:00	S	3407.38	W	627.2	60	61	10	185.35	21.19	50	10.52	0.00	0.12	-0.37	
04.22.2021	01:09:00	S	3407.4	W	626.94	58	59	1	185.53	21.22	57	10.51	0.00	0.15	2.82	
04.22.2021	01:10:00	S	3407.42	W	626.69	58	58	5	185.57	21.16	51	10.51	0.00	0.13	2.80	
04.22.2021	01:10:53	S	3407.44	W	626.48	59	60	8	185.83	21.20	51	10.52	0.00	0.14	2.81	
04.22.2021	01:11:53	S	3407.46	W	626.22	59	59	12	185.89	21.16	47	10.51	0.00	0.13	2.80	
04.22.2021	01:12:53	S	3407.48	W	626.01	57	58	9	185.76	21.08	48	10.53	0.00	0.15	2.77	
04.22.2021	01:13:53	S	3407.51	W	625.75	54	53	7	185.89	21.04	47	10.52	0.00	0.14	-0.38	
04.22.2021	01:14:53	S	3407.53	W	625.54	53	54	5	185.87	20.96	48	10.52	0.00	0.16	-0.39	
04.22.2021	01:15:53	S	3407.55	W	625.32	54	55	9	186.13	20.89	45	10.52	0.00	0.13	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	01:16:53	S	3407.57	W	625.09	52	53	7	186.15	20.83	46	10.37	0.00	0.13	-0.38	
04.22.2021	01:17:53	S	3407.59	W	624.84	51	52	4	185.63	20.70	47	10.52	0.00	0.13	-0.36	
04.22.2021	01:18:53	S	3407.6	W	624.59	51	52	4	185.76	20.71	47	10.50	0.00	0.13	2.75	
04.22.2021	01:19:53	S	3407.62	W	624.34	51	52	5	185.68	20.63	46	10.51	0.00	0.13	2.77	
04.22.2021	01:20:59	S	3407.63	W	624.13	53	55	5	185.53	20.63	49	10.52	0.00	0.15	2.79	
04.22.2021	01:21:59	S	3407.64	W	623.87	54	56	5	185.35	20.57	50	10.50	0.00	0.14	2.79	
04.22.2021	01:22:59	S	3407.65	W	623.65	60	61	2	185.42	20.60	58	10.52	0.00	0.14	2.82	
04.22.2021	01:23:59	S	3407.66	W	623.41	60	61	6	185.11	20.59	54	10.51	0.00	0.15	2.76	
04.22.2021	01:24:59	S	3407.67	W	623.19	59	60	10	184.94	20.57	49	10.51	0.00	0.12	-0.38	
04.22.2021	01:25:59	S	3407.68	W	622.96	58	59	9	184.85	20.57	50	10.52	0.00	0.14	-0.37	
04.22.2021	01:26:59	S	3407.7	W	622.72	57	58	4	184.90	20.57	53	10.51	0.00	0.14	-0.37	
04.22.2021	01:27:59	S	3407.71	W	622.49	57	58	4	184.90	20.60	53	10.51	0.00	0.14	-0.38	
04.22.2021	01:28:59	S	3407.73	W	622.23	54	56	5	184.55	20.52	49	10.51	0.00	0.14	-0.35	
04.22.2021	01:29:59	S	3407.74	W	621.99	51	52	4	184.55	20.50	48	10.51	0.00	0.13	2.79	
04.22.2021	01:30:55	S	3407.76	W	621.78	57	58	6	184.66	20.53	51	10.52	0.00	0.14	2.77	
04.22.2021	01:31:55	S	3407.77	W	621.51	56	57	7	184.42	20.49	50	10.51	0.00	0.16	2.76	
04.22.2021	01:32:55	S	3407.78	W	621.32	54	55	8	184.64	20.55	46	10.51	0.00	0.15	2.82	
04.22.2021	01:33:55	S	3407.79	W	621.1	55	56	6	184.44	20.53	49	10.50	0.00	0.16	2.81	
04.22.2021	01:34:55	S	3407.81	W	620.83	56	57	6	184.72	20.65	50	10.52	0.00	0.16	-0.38	
04.22.2021	01:35:55	S	3407.82	W	620.62	54	54	10	184.31	20.57	43	10.49	0.00	0.15	-0.37	
04.22.2021	01:36:55	S	3407.83	W	620.37	56	56	12	184.31	20.63	43	10.51	0.00	0.12	-0.37	
04.22.2021	01:37:55	S	3407.84	W	620.14	58	58	10	184.20	20.57	48	10.52	0.00	0.13	-0.37	
04.22.2021	01:38:55	S	3407.85	W	619.95	53	53	4	184.42	20.65	48	10.52	0.00	0.13	-0.40	
04.22.2021	01:39:55	S	3407.86	W	619.67	52	52	7	184.42	20.67	45	10.52	0.00	0.14	2.74	
04.22.2021	01:40:56	S	3407.87	W	619.49	57	57	5	184.24	20.69	51	10.52	0.00	0.12	2.78	
04.22.2021	01:41:56	S	3407.89	W	619.23	58	59	6	184.24	20.67	52	10.51	0.00	0.14	2.74	
04.22.2021	01:42:56	S	3407.9	W	619	56	57	6	184.09	20.63	50	10.51	0.00	0.15	2.72	
04.22.2021	01:43:56	S	3407.92	W	618.78	48	50	5	184.07	20.67	43	10.49	0.00	0.17	2.74	
04.22.2021	01:44:56	S	3407.94	W	618.56	53	54	6	183.92	20.67	47	10.51	0.00	0.15	-0.38	
04.22.2021	01:45:56	S	3407.94	W	618.33	58	60	5	184.14	20.70	53	10.69	0.00	0.14	-0.38	
04.22.2021	01:46:56	S	3407.95	W	618.1	59	61	10	184.03	20.65	50	10.51	0.00	0.13	-0.40	
04.22.2021	01:47:56	S	3407.96	W	617.86	60	62	8	184.11	20.69	53	10.52	0.00	0.14	-0.37	
04.22.2021	01:48:56	S	3407.97	W	617.63	58	60	-1	184.07	20.62	60	10.52	0.00	0.14	-0.37	
04.22.2021	01:49:56	S	3407.99	W	617.39	61	62	7	184.20	20.70	55	10.51	0.00	0.14	-0.39	
04.22.2021	01:50:52	S	3408	W	617.15	61	62	11	184.09	20.66	50	10.52	0.00	0.12	2.79	
04.22.2021	01:51:52	S	3408.01	W	616.93	62	62	9	184.09	20.63	53	10.53	0.00	0.14	2.81	
04.22.2021	01:52:52	S	3408.02	W	616.7	61	62	4	184.31	20.69	57	10.50	0.00	0.14	2.78	
04.22.2021	01:53:52	S	3408.03	W	616.48	62	63	6	184.24	20.70	56	10.51	0.00	0.14	2.78	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	01:54:52	S	3408.04	W	616.23	63	64	7	184.55	20.76	56	10.52	0.00	0.14	2.76	
04.22.2021	01:55:52	S	3408.06	W	616	61	61	10	184.48	20.71	51	10.52	0.00	0.16	-0.36	
04.22.2021	01:56:52	S	3408.07	W	615.74	60	61	7	184.51	20.71	54	10.51	0.00	0.13	-0.36	
04.22.2021	01:57:52	S	3408.08	W	615.53	62	62	9	184.53	20.70	53	10.51	0.00	0.13	-0.39	
04.22.2021	01:58:52	S	3408.1	W	615.31	61	61	8	184.51	20.67	53	10.53	0.00	0.12	-0.37	
04.22.2021	01:59:52	S	3408.11	W	615.05	59	60	8	184.61	20.62	51	10.53	0.00	0.15	-0.37	
04.22.2021	02:00:59	S	3408.12	W	614.86	62	62	10	184.85	20.64	52	10.52	0.00	0.14	2.74	
04.22.2021	02:01:59	S	3408.13	W	614.58	57	57	5	184.66	20.57	51	10.51	0.00	0.15	2.77	
04.22.2021	02:02:59	S	3408.14	W	614.35	59	59	10	184.61	20.60	49	10.50	0.00	0.17	2.76	
04.22.2021	02:03:59	S	3408.14	W	614.15	59	59	10	184.48	20.49	49	10.52	0.00	0.14	2.75	
04.22.2021	02:04:59	S	3408.14	W	613.9	57	57	10	184.55	20.53	47	10.51	0.00	0.13	2.73	
04.22.2021	02:05:59	S	3408.15	W	613.66	57	57	7	184.59	20.55	50	10.53	0.00	0.14	-0.37	
04.22.2021	02:06:59	S	3408.15	W	613.4	52	53	4	184.55	20.49	48	10.51	0.00	0.14	-0.37	
04.22.2021	02:07:59	S	3408.15	W	613.2	58	58	9	184.85	20.52	48	10.50	0.00	0.15	-0.37	
04.22.2021	02:08:59	S	3408.16	W	612.92	57	58	9	184.74	20.41	48	10.51	0.00	0.13	-0.36	
04.22.2021	02:09:59	S	3408.16	W	612.69	55	56	8	184.85	20.36	48	10.50	0.00	0.14	-0.40	
04.22.2021	02:10:52	S	3408.17	W	612.5	57	58	5	184.94	20.30	53	10.52	0.00	0.13	2.71	
04.22.2021	02:11:52	S	3408.18	W	612.22	54	56	5	185.07	20.28	50	10.52	0.00	0.14	2.77	
04.22.2021	02:12:52	S	3408.18	W	612.01	58	60	4	185.16	20.25	53	10.52	0.00	0.14	2.72	
04.22.2021	02:13:52	S	3408.18	W	611.78	54	58	7	185.37	20.23	47	10.54	0.00	0.14	2.73	
04.22.2021	02:14:52	S	3408.18	W	611.56	62	63	1	185.55	20.19	61	10.51	0.00	0.15	2.74	
04.22.2021	02:15:52	S	3408.2	W	611.29	54	55	-1	185.53	20.19	55	10.52	0.00	0.14	2.82	
04.22.2021	02:16:52	S	3408.21	W	611.07	54	56	2	185.44	20.16	53	10.52	0.00	0.15	-0.38	
04.22.2021	02:17:52	S	3408.22	W	610.83	58	59	7	185.48	20.16	51	10.52	0.00	0.14	-0.37	
04.22.2021	02:18:52	S	3408.22	W	610.6	60	60	11	185.72	20.18	50	10.51	0.00	0.13	-0.38	
04.22.2021	02:19:52	S	3408.23	W	610.36	61	62	4	185.59	20.12	57	10.52	0.00	0.14	-0.38	
04.22.2021	02:20:57	S	3408.24	W	610.13	57	59	8	185.63	20.11	50	10.51	0.00	0.13	-0.36	
04.22.2021	02:21:57	S	3408.25	W	609.89	54	55	5	185.63	20.15	49	10.51	0.00	0.14	2.73	
04.22.2021	02:22:57	S	3408.24	W	609.66	56	56	9	185.46	20.14	47	10.51	0.00	0.15	2.75	
04.22.2021	02:23:57	S	3408.24	W	609.53	56	57	9	185.42	20.15	46	10.52	0.00	0.14	2.77	
04.22.2021	02:24:57	S	3408.24	W	609.53	59	59	5	185.42	20.21	54	10.53	0.00	0.14	2.79	
04.22.2021	02:25:57	S	3408.23	W	608.94	63	63	9	185.31	20.18	53	10.51	0.00	0.16	2.77	
04.22.2021	02:26:57	S	3408.23	W	608.94	60	61	6	184.92	20.07	54	10.52	0.00	0.14	-0.37	
04.22.2021	02:27:57	S	3408.24	W	608.49	61	61	7	184.94	20.09	54	10.51	0.00	0.14	-0.36	
04.22.2021	02:28:57	S	3408.24	W	608.24	57	56	5	184.94	20.10	50	10.50	0.00	0.15	-0.40	
04.22.2021	02:29:57	S	3408.24	W	608.04	60	60	8	184.74	20.04	52	10.52	0.00	0.14	-0.37	
04.22.2021	02:30:57	S	3408.24	W	607.77	60	60	9	184.83	20.11	51	10.50	0.00	0.13	-0.38	
04.22.2021	02:31:57	S	3408.25	W	607.56	58	58	13	184.64	20.02	44	10.51	0.00	0.13	2.88	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	02:32:57	S	3408.24	W	607.33	63	63	10	184.81	20.07	52	10.50	0.00	0.14	2.71	
04.22.2021	02:33:57	S	3408.25	W	607.07	55	56	3	184.90	20.05	52	10.50	0.00	0.15	2.70	
04.22.2021	02:34:57	S	3408.25	W	606.87	56	56	7	184.83	20.09	49	10.51	0.00	0.13	2.72	
04.22.2021	02:35:57	S	3408.25	W	606.63	53	53	7	185.00	20.12	46	10.51	0.00	0.13	2.72	
04.22.2021	02:36:57	S	3408.24	W	606.38	54	55	5	184.90	20.08	49	10.54	0.00	0.14	-0.39	
04.22.2021	02:37:57	S	3408.24	W	606.16	56	57	3	184.83	20.04	53	10.52	0.00	0.14	-0.37	
04.22.2021	02:38:57	S	3408.24	W	605.93	58	58	7	185.16	20.10	50	10.51	0.00	0.13	-0.38	
04.22.2021	02:39:57	S	3408.25	W	605.7	56	58	3	185.33	20.12	53	10.51	0.00	0.12	-0.39	
04.22.2021	02:40:55	S	3408.26	W	605.47	57	59	8	185.42	20.15	50	10.52	0.00	0.14	-0.36	
04.22.2021	02:41:55	S	3408.27	W	605.21	54	56	3	185.33	20.07	52	10.50	0.00	0.12	-0.34	
04.22.2021	02:42:55	S	3408.27	W	605.02	59	61	4	185.46	20.16	55	10.52	0.00	0.14	2.72	
04.22.2021	02:43:55	S	3408.27	W	604.77	62	63	9	185.33	20.11	52	10.51	0.00	0.14	2.74	
04.22.2021	02:44:55	S	3408.27	W	604.52	69	70	9	185.33	20.10	60	10.51	0.00	0.13	2.75	
04.22.2021	02:45:55	S	3408.28	W	604.28	61	62	2	185.68	20.20	59	10.51	0.00	0.14	2.78	
04.22.2021	02:46:55	S	3408.29	W	604.09	61	60	5	185.55	20.23	56	10.51	0.00	0.14	2.77	
04.22.2021	02:47:55	S	3408.31	W	603.84	60	61	5	185.68	20.32	55	10.51	0.00	0.15	-0.36	
04.22.2021	02:48:55	S	3408.33	W	603.63	60	62	6	185.44	20.32	54	10.51	0.00	0.14	-0.38	
04.22.2021	02:49:55	S	3408.34	W	603.42	59	59	7	185.72	20.44	52	10.52	0.00	0.14	-0.38	
04.22.2021	02:50:58	S	3408.36	W	603.18	59	59	2	185.59	20.40	56	10.50	0.00	0.13	-0.38	
04.22.2021	02:51:58	S	3408.37	W	602.97	60	61	5	185.44	20.41	55	10.52	0.00	0.13	-0.38	
04.22.2021	02:52:58	S	3408.38	W	602.71	60	61	6	185.48	20.45	54	10.51	0.00	0.12	2.73	
04.22.2021	02:53:58	S	3408.39	W	602.47	66	66	14	185.48	20.48	51	10.52	0.00	0.16	2.75	
04.22.2021	02:54:58	S	3408.41	W	602.25	62	62	13	185.53	20.52	49	10.52	0.00	0.13	2.77	
04.22.2021	02:55:58	S	3408.42	W	602.02	58	59	5	185.03	20.48	53	10.51	0.00	0.14	2.68	
04.22.2021	02:56:58	S	3408.44	W	601.77	53	53	6	184.85	20.50	46	10.52	0.00	0.15	2.73	
04.22.2021	02:57:58	S	3408.45	W	601.56	56	56	10	184.70	20.52	46	10.51	0.00	0.12	-0.37	
04.22.2021	02:58:58	S	3408.46	W	601.34	60	60	11	184.61	20.50	50	10.51	0.00	0.15	-0.38	
04.22.2021	02:59:58	S	3408.47	W	601.07	53	54	3	184.59	20.53	50	10.51	0.00	0.14	-0.38	
04.22.2021	03:00:54	S	3408.49	W	600.83	55	55	6	184.33	20.57	49	10.52	0.00	0.13	-0.37	
04.22.2021	03:01:54	S	3408.5	W	600.62	54	55	5	184.24	20.57	49	10.52	0.00	0.14	-0.37	
04.22.2021	03:02:54	S	3408.52	W	600.37	55	56	6	184.22	20.57	50	10.52	0.00	0.13	2.74	
04.22.2021	03:03:54	S	3408.53	W	600.13	54	56	9	184.53	20.67	46	10.50	0.00	0.14	2.72	
04.22.2021	03:04:54	S	3408.54	W	559.94	49	50	-1	184.20	20.59	50	10.51	0.00	0.13	2.70	
04.22.2021	03:05:54	S	3408.56	W	559.69	56	58	5	184.18	20.56	51	10.52	0.00	0.15	2.70	
04.22.2021	03:06:54	S	3408.57	W	559.43	53	56	7	184.33	20.65	47	10.51	0.00	0.13	2.73	
04.22.2021	03:07:54	S	3408.58	W	559.22	53	54	7	184.24	20.62	45	10.50	0.00	0.13	-0.39	
04.22.2021	03:08:54	S	3408.59	W	559	58	60	5	184.14	20.56	53	10.51	0.00	0.12	-0.37	
04.22.2021	03:09:54	S	3408.6	W	558.75	63	65	8	184.40	20.59	56	10.51	0.00	0.15	-0.37	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	03:10:55	S	3408.62	W	558.53	59	60	5	184.53	20.62	53	10.52	0.00	0.14	-0.38	
04.22.2021	03:11:55	S	3408.63	W	558.27	61	62	11	184.42	20.62	50	10.51	0.00	0.14	-0.37	
04.22.2021	03:12:55	S	3408.65	W	558.01	65	67	12	184.90	20.70	54	10.52	0.00	0.12	-0.37	
04.22.2021	03:13:55	S	3408.66	W	557.8	60	61	6	184.92	20.62	54	10.52	0.00	0.15	2.73	
04.22.2021	03:14:55	S	3408.68	W	557.55	57	58	2	184.92	20.60	55	10.51	0.00	0.14	2.75	
04.22.2021	03:15:55	S	3408.69	W	557.35	59	60	9	185.07	20.70	50	10.51	0.00	0.13	2.73	
04.22.2021	03:16:55	S	3408.7	W	557.09	66	66	13	185.07	20.65	53	10.52	0.00	0.13	2.77	
04.22.2021	03:17:55	S	3408.71	W	556.85	60	62	4	185.31	20.67	56	10.52	0.00	0.14	2.78	
04.22.2021	03:18:55	S	3408.72	W	556.63	65	66	8	185.46	20.73	57	10.52	0.00	0.14	-0.38	
04.22.2021	03:19:55	S	3408.74	W	556.37	62	63	8	185.22	20.67	54	10.51	0.00	0.14	-0.35	
04.22.2021	03:21:00	S	3408.76	W	556.12	60	60	11	185.18	20.70	49	10.52	0.00	0.14	-0.38	
04.22.2021	03:22:00	S	3408.77	W	555.9	61	61	8	184.96	20.67	53	10.51	0.00	0.15	-0.39	
04.22.2021	03:23:00	S	3408.78	W	555.67	60	61	10	185.24	20.78	50	10.51	0.00	0.15	-0.38	
04.22.2021	03:24:00	S	3408.79	W	555.43	59	60	9	185.16	20.75	51	10.51	0.00	0.14	2.69	
04.22.2021	03:25:00	S	3408.81	W	555.18	61	61	13	185.26	20.77	48	10.52	0.00	0.14	2.70	
04.22.2021	03:26:00	S	3408.82	W	554.95	58	59	11	185.00	20.69	47	10.52	0.00	0.14	2.75	
04.22.2021	03:27:00	S	3408.84	W	554.72	57	58	10	185.00	20.70	47	10.51	0.00	0.15	2.76	
04.22.2021	03:28:00	S	3408.85	W	554.47	54	54	6	185.13	20.73	48	10.51	0.00	0.14	2.70	
04.22.2021	03:29:00	S	3408.86	W	554.23	55	56	4	185.00	20.72	52	10.51	0.00	0.14	-0.37	
04.22.2021	03:30:00	S	3408.88	W	554.01	52	53	7	185.05	20.71	45	10.52	0.00	0.13	-0.38	
04.22.2021	03:30:55	S	3408.89	W	553.78	56	57	9	184.96	20.71	47	10.52	0.00	0.14	-0.39	
04.22.2021	03:31:55	S	3408.91	W	553.55	54	55	1	185.03	20.78	52	10.55	0.00	0.13	-0.36	
04.22.2021	03:32:55	S	3408.91	W	553.3	53	54	5	184.77	20.70	49	10.52	0.00	0.15	-0.38	
04.22.2021	03:33:55	S	3408.92	W	553.17	60	62	7	185.03	20.80	53	10.52	0.00	0.14	2.74	
04.22.2021	03:34:55	S	3408.92	W	553.17	59	61	9	184.92	20.74	51	10.52	0.00	0.14	2.72	
04.22.2021	03:35:55	S	3408.96	W	552.61	61	62	4	184.64	20.71	57	10.53	0.00	0.14	2.74	
04.22.2021	03:36:55	S	3408.97	W	552.4	59	61	5	184.55	20.69	54	10.51	0.00	0.14	2.66	
04.22.2021	03:37:55	S	3408.99	W	552.13	63	64	10	184.55	20.72	53	10.51	0.00	0.14	2.69	
04.22.2021	03:38:55	S	3409	W	551.91	63	64	13	184.66	20.75	50	10.52	0.00	0.13	2.69	
04.22.2021	03:39:55	S	3409.02	W	551.68	62	63	10	184.51	20.71	52	10.51	0.00	0.14	-0.38	
04.22.2021	03:40:58	S	3409.04	W	551.48	59	60	4	184.18	20.69	55	10.52	0.00	0.15	-0.37	
04.22.2021	03:41:58	S	3409.06	W	551.22	55	56	5	184.29	20.72	50	10.52	0.00	0.14	-0.38	
04.22.2021	03:42:58	S	3409.07	W	550.97	55	56	6	184.09	20.70	49	10.52	0.00	0.14	-0.36	
04.22.2021	03:43:58	S	3409.07	W	550.73	64	65	14	184.29	20.67	50	10.52	0.00	0.14	-0.37	
04.22.2021	03:44:58	S	3409.07	W	550.51	59	60	2	184.29	20.67	57	10.51	0.00	0.14	2.64	
04.22.2021	03:45:58	S	3409.07	W	550.29	65	65	11	184.29	20.66	54	10.51	0.00	0.14	2.70	
04.22.2021	03:46:58	S	3409.07	W	550.06	57	57	5	184.51	20.70	52	10.51	0.00	0.14	2.67	
04.22.2021	03:47:58	S	3409.08	W	549.83	68	69	16	184.40	20.65	53	10.51	0.00	0.14	2.73	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	03:48:58	S	3409.09	W	549.61	63	62	12	184.70	20.70	51	10.51	0.00	0.14	2.69	
04.22.2021	03:49:58	S	3409.1	W	549.37	61	60	10	184.77	20.70	50	10.53	0.00	0.14	-0.37	
04.22.2021	03:50:55	S	3409.1	W	549.1	58	58	10	184.74	20.67	47	10.54	0.00	0.13	-0.39	
04.22.2021	03:51:55	S	3409.11	W	548.91	56	57	13	185.05	20.73	44	10.52	0.00	0.14	-0.36	
04.22.2021	03:52:55	S	3409.1	W	548.67	60	60	14	184.90	20.64	46	10.51	0.00	0.13	-0.35	
04.22.2021	03:53:55	S	3409.1	W	548.43	61	61	11	185.26	20.74	50	10.52	0.00	0.14	-0.36	
04.22.2021	03:54:55	S	3409.1	W	548.22	61	62	9	185.35	20.72	52	10.52	0.00	0.14	2.71	
04.22.2021	03:55:55	S	3409.1	W	548	59	61	8	185.35	20.72	52	10.50	0.00	0.14	2.71	
04.22.2021	03:56:55	S	3409.11	W	547.74	62	63	12	185.42	20.73	50	10.51	0.00	0.13	2.68	
04.22.2021	03:57:55	S	3409.12	W	547.52	60	60	11	185.53	20.74	49	10.52	0.00	0.14	2.67	
04.22.2021	03:58:55	S	3409.13	W	547.31	56	58	1	185.37	20.72	55	10.51	0.00	0.13	2.66	
04.22.2021	03:59:55	S	3409.14	W	547.04	53	55	7	185.42	20.74	47	10.51	0.00	0.14	-0.38	
04.22.2021	04:00:57	S	3409.14	W	546.83	61	63	10	185.26	20.73	51	10.52	0.00	0.14	-0.35	
04.22.2021	04:01:57	S	3409.14	W	546.58	67	68	4	185.18	20.75	63	10.50	0.00	0.13	-0.39	
04.22.2021	04:02:57	S	3409.15	W	546.33	60	62	3	185.11	20.74	57	10.52	0.00	0.13	-0.36	
04.22.2021	04:03:57	S	3409.16	W	546.1	61	62	6	185.05	20.73	55	10.52	0.00	0.14	-0.36	
04.22.2021	04:04:57	S	3409.16	W	545.87	58	60	6	184.94	20.74	51	10.52	0.00	0.15	-0.36	
04.22.2021	04:05:57	S	3409.16	W	545.64	59	60	6	184.66	20.67	52	10.50	0.00	0.13	2.69	
04.22.2021	04:06:57	S	3409.16	W	545.44	62	62	9	184.72	20.67	53	10.51	0.00	0.15	2.69	
04.22.2021	04:07:57	S	3409.16	W	545.19	62	63	4	184.96	20.72	57	10.52	0.00	0.15	2.68	
04.22.2021	04:08:57	S	3409.16	W	544.96	64	66	8	184.85	20.70	57	10.51	0.00	0.14	2.71	
04.22.2021	04:09:57	S	3409.16	W	544.74	59	59	7	185.00	20.72	51	10.52	0.00	0.13	2.68	
04.22.2021	04:10:54	S	3409.16	W	544.47	62	62	9	185.05	20.76	53	10.51	0.00	0.14	-0.37	
04.22.2021	04:11:54	S	3409.17	W	544.26	65	66	7	185.07	20.72	58	10.52	0.00	0.15	-0.36	
04.22.2021	04:12:54	S	3409.17	W	544.02	61	62	5	185.37	20.75	56	10.50	0.00	0.14	-0.38	
04.22.2021	04:13:54	S	3409.18	W	543.81	59	61	8	185.03	20.74	52	10.52	0.00	0.13	-0.35	
04.22.2021	04:14:54	S	3409.19	W	543.55	55	56	7	185.13	20.72	49	10.50	0.00	0.14	-0.37	
04.22.2021	04:15:54	S	3409.19	W	543.34	58	58	8	185.11	20.71	50	10.52	0.00	0.14	2.72	
04.22.2021	04:16:54	S	3409.19	W	543.12	63	64	5	185.18	20.70	59	10.51	0.00	0.13	2.71	
04.22.2021	04:17:54	S	3409.19	W	542.88	61	62	8	185.37	20.78	53	10.52	0.00	0.15	2.71	
04.22.2021	04:18:54	S	3409.2	W	542.64	59	59	12	185.24	20.79	47	10.51	0.00	0.15	2.68	
04.22.2021	04:19:54	S	3409.21	W	542.42	58	58	7	185.22	20.74	50	10.52	0.00	0.14	2.68	
04.22.2021	04:20:55	S	3409.22	W	542.17	62	62	10	185.37	20.80	52	10.52	0.00	0.12	-0.36	
04.22.2021	04:21:55	S	3409.23	W	541.96	56	57	5	185.53	20.83	51	10.51	0.00	0.15	-0.37	
04.22.2021	04:22:55	S	3409.23	W	541.74	54	55	1	185.57	20.79	53	10.51	0.00	0.14	-0.37	
04.22.2021	04:23:55	S	3409.24	W	541.51	56	57	7	185.37	20.70	49	10.52	0.00	0.14	-0.37	
04.22.2021	04:24:55	S	3409.24	W	541.25	56	57	4	185.35	20.69	50	10.52	0.00	0.15	-0.37	
04.22.2021	04:25:55	S	3409.24	W	540.99	60	60	9	185.63	20.73	51	10.52	0.00	0.14	2.70	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	04:26:55	S	3409.25	W	540.75	59	60	6	185.63	20.75	53	10.49	0.00	0.14	2.66	
04.22.2021	04:27:55	S	3409.26	W	540.53	58	59	7	185.44	20.74	51	10.51	0.00	0.14	2.68	
04.22.2021	04:28:55	S	3409.26	W	540.31	59	60	8	184.90	20.67	51	10.50	0.00	0.15	2.65	
04.22.2021	04:29:55	S	3409.27	W	540.04	58	60	6	184.74	20.67	53	10.52	0.00	0.14	2.57	
04.22.2021	04:30:57	S	3409.27	W	539.84	59	61	5	184.77	20.70	55	10.51	0.00	0.12	2.67	
04.22.2021	04:31:57	S	3409.28	W	539.57	61	63	5	184.59	20.71	56	10.51	0.00	0.13	-0.38	
04.22.2021	04:32:57	S	3409.28	W	539.35	61	61	9	184.85	20.75	52	10.52	0.00	0.14	-0.37	
04.22.2021	04:33:57	S	3409.29	W	539.11	59	60	8	184.70	20.73	51	10.53	0.00	0.14	-0.37	
04.22.2021	04:34:57	S	3409.29	W	538.89	62	62	9	184.66	20.71	53	10.52	0.00	0.14	-0.37	
04.22.2021	04:35:57	S	3409.3	W	538.63	63	63	7	184.55	20.67	56	10.52	0.00	0.15	-0.34	
04.22.2021	04:36:57	S	3409.31	W	538.38	61	61	8	184.55	20.69	53	10.52	0.00	0.12	2.66	
04.22.2021	04:37:57	S	3409.31	W	538.17	61	62	10	184.77	20.71	51	10.52	0.00	0.14	2.68	
04.22.2021	04:38:57	S	3409.32	W	537.9	64	64	11	184.59	20.63	53	10.50	0.00	0.15	2.65	
04.22.2021	04:39:57	S	3409.32	W	537.69	60	60	6	184.74	20.70	54	10.51	0.00	0.12	2.63	
04.22.2021	04:40:53	S	3409.32	W	537.43	62	62	6	185.00	20.69	55	10.53	0.00	0.14	2.66	
04.22.2021	04:41:53	S	3409.32	W	537.21	62	62	8	185.24	20.75	54	10.51	0.00	0.13	-0.38	
04.22.2021	04:42:53	S	3409.32	W	536.96	61	62	8	185.37	20.67	53	10.50	0.00	0.14	-0.36	
04.22.2021	04:43:53	S	3409.33	W	536.73	66	66	8	185.46	20.64	58	10.51	0.00	0.14	-0.37	
04.22.2021	04:44:53	S	3409.34	W	536.5	63	64	8	185.85	20.70	56	10.52	0.00	0.13	-0.38	
04.22.2021	04:45:53	S	3409.35	W	536.29	60	61	7	185.72	20.64	54	10.50	0.00	0.14	-0.39	
04.22.2021	04:46:53	S	3409.37	W	536.06	58	58	9	185.85	20.67	48	10.51	0.00	0.13	2.68	
04.22.2021	04:47:53	S	3409.38	W	535.79	58	57	10	186.07	20.71	47	10.51	0.00	0.15	2.64	
04.22.2021	04:48:53	S	3409.38	W	535.58	62	62	8	186.20	20.72	53	10.52	0.00	0.14	2.65	
04.22.2021	04:49:53	S	3409.39	W	535.34	57	58	5	186.15	20.65	52	10.52	0.00	0.13	2.65	
04.22.2021	04:50:51	S	3409.4	W	535.08	59	60	8	185.98	20.62	51	10.51	0.00	0.13	2.69	
04.22.2021	04:51:51	S	3409.4	W	534.84	59	61	7	185.89	20.59	52	10.50	0.00	0.13	-0.38	
04.22.2021	04:52:51	S	3409.41	W	534.61	60	61	8	186.26	20.66	52	10.51	0.00	0.13	-0.39	
04.22.2021	04:53:51	S	3409.42	W	534.37	60	61	6	186.05	20.62	54	10.51	0.00	0.14	-0.38	
04.22.2021	04:54:51	S	3409.43	W	534.15	60	62	5	185.72	20.54	55	10.51	0.00	0.15	-0.30	
04.22.2021	04:55:51	S	3409.45	W	533.91	57	60	3	185.37	20.50	54	10.52	0.00	0.15	-0.38	
04.22.2021	04:56:51	S	3409.47	W	533.67	58	59	9	185.37	20.50	48	10.51	0.00	0.13	1.37	
04.22.2021	04:57:51	S	3409.49	W	533.41	59	61	6	185.11	20.46	54	10.51	0.00	0.14	2.64	
04.22.2021	04:58:51	S	3409.5	W	533.18	61	62	3	185.13	20.49	58	10.51	0.00	0.13	2.61	
04.22.2021	04:59:51	S	3409.5	W	532.96	62	64	5	185.24	20.49	58	10.51	0.00	0.14	2.62	
04.22.2021	05:00:56	S	3409.52	W	532.7	62	63	8	185.13	20.53	54	10.50	0.00	0.15	2.63	
04.22.2021	05:01:56	S	3409.53	W	532.5	61	62	11	185.13	20.59	50	10.50	0.00	0.13	2.66	
04.22.2021	05:02:56	S	3409.54	W	532.24	60	60	5	184.90	20.56	55	10.51	0.00	0.14	-0.38	
04.22.2021	05:03:56	S	3409.56	W	531.99	61	61	6	185.05	20.60	55	10.52	0.00	0.14	-0.38	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	05:04:56	S	3409.57	W	531.78	63	64	8	185.18	20.69	54	10.51	0.00	0.12	-0.37	
04.22.2021	05:05:56	S	3409.58	W	531.5	62	63	6	185.37	20.71	57	10.51	0.00	0.13	-0.37	
04.22.2021	05:06:56	S	3409.6	W	531.28	61	62	10	185.31	20.71	52	10.50	0.00	0.13	-0.36	
04.22.2021	05:07:56	S	3409.61	W	531.06	60	61	8	185.16	20.67	53	10.51	0.00	0.16	2.67	
04.22.2021	05:08:56	S	3409.63	W	530.8	64	64	7	185.44	20.79	57	10.51	0.00	0.14	2.65	
04.22.2021	05:09:56	S	3409.64	W	530.57	63	64	6	185.24	20.79	57	10.51	0.00	0.14	2.63	
04.22.2021	05:10:53	S	3409.65	W	530.36	64	65	7	185.55	20.87	57	10.52	0.00	0.13	2.69	
04.22.2021	05:11:53	S	3409.67	W	530.11	63	63	8	185.79	20.99	56	10.51	0.00	0.14	2.65	
04.22.2021	05:12:53	S	3409.7	W	529.83	61	62	6	185.57	21.01	55	10.51	0.00	0.14	-0.37	
04.22.2021	05:13:53	S	3409.72	W	529.65	64	64	6	185.46	21.01	57	10.52	0.00	0.16	2.69	
04.22.2021	05:14:53	S	3409.74	W	529.39	60	61	5	185.63	21.09	55	10.51	0.00	0.14	2.64	
04.22.2021	05:15:53	S	3409.75	W	529.15	62	63	8	185.85	21.14	54	10.52	0.00	0.14	2.64	
04.22.2021	05:16:53	S	3409.76	W	528.89	61	62	10	185.87	21.15	50	10.51	0.00	0.12	2.64	
04.22.2021	05:17:53	S	3409.77	W	528.68	64	63	6	185.87	21.16	57	10.51	0.00	0.14	-0.39	
04.22.2021	05:18:53	S	3409.79	W	528.44	60	60	10	185.79	21.14	50	10.51	0.00	0.13	-0.37	
04.22.2021	05:19:53	S	3409.81	W	528.18	59	59	6	185.59	21.12	53	10.51	0.00	0.12	-0.36	
04.22.2021	05:21:00	S	3409.83	W	527.93	60	60	11	185.63	21.21	48	10.52	0.00	0.15	-0.37	
04.22.2021	05:22:00	S	3409.84	W	527.7	60	61	14	185.44	21.20	47	10.51	0.00	0.15	-0.37	
04.22.2021	05:23:00	S	3409.85	W	527.47	57	57	8	185.31	21.24	49	10.51	0.00	0.15	2.66	
04.22.2021	05:24:00	S	3409.86	W	527.22	59	59	8	184.94	21.19	51	10.52	0.00	0.15	2.69	
04.22.2021	05:25:00	S	3409.87	W	526.97	59	60	6	185.35	21.34	53	10.51	0.00	0.13	2.62	
04.22.2021	05:26:00	S	3409.89	W	526.72	61	62	10	185.42	21.36	51	10.51	0.00	0.15	2.65	
04.22.2021	05:27:00	S	3409.9	W	526.51	57	58	9	185.44	21.38	48	10.51	0.00	0.12	2.64	
04.22.2021	05:28:00	S	3409.92	W	526.23	55	55	8	185.46	21.35	47	10.53	0.00	0.13	-0.39	
04.22.2021	05:29:00	S	3409.93	W	526.03	55	57	3	185.42	21.35	52	10.51	0.00	0.14	-0.37	
04.22.2021	05:30:00	S	3409.93	W	525.79	64	66	6	185.68	21.41	59	10.51	0.00	0.16	-0.37	
04.22.2021	05:30:54	S	3409.94	W	525.54	64	65	10	185.89	21.49	54	10.52	0.00	0.14	-0.37	
04.22.2021	05:31:54	S	3409.94	W	525.31	65	67	4	186.07	21.52	61	10.52	0.00	0.15	-0.36	
04.22.2021	05:32:54	S	3409.96	W	525.07	61	63	4	186.05	21.51	57	10.52	0.00	0.15	2.65	
04.22.2021	05:33:54	S	3409.97	W	524.84	61	63	4	186.05	21.54	57	10.52	0.00	0.15	2.61	
04.22.2021	05:34:54	S	3409.98	W	524.61	59	60	8	185.94	21.48	52	10.52	0.00	0.15	2.60	
04.22.2021	05:35:54	S	3409.99	W	524.34	61	62	8	186.05	21.52	53	10.51	0.00	0.14	2.54	
04.22.2021	05:36:54	S	3410	W	524.13	64	64	6	186.31	21.59	57	10.51	0.00	0.14	2.57	
04.22.2021	05:37:54	S	3410	W	523.9	63	63	5	186.13	21.55	57	10.50	0.00	0.14	2.59	
04.22.2021	05:38:54	S	3410.01	W	523.66	66	66	12	186.46	21.61	54	10.51	0.00	0.12	-0.36	
04.22.2021	05:39:54	S	3410.02	W	523.39	63	64	10	186.26	21.55	52	10.52	0.00	0.13	-0.36	
04.22.2021	05:41:00	S	3410.04	W	523.14	62	63	12	186.28	21.53	51	10.50	0.00	0.13	-0.40	
04.22.2021	05:42:00	S	3410.05	W	522.94	63	63	7	186.26	21.53	56	10.52	0.00	0.15	-0.37	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	05:43:00	S	3410.06	W	522.66	59	59	6	186.26	21.56	53	10.51	0.00	0.14	-0.37	
04.22.2021	05:44:00	S	3410.07	W	522.45	62	63	11	186.20	21.53	51	10.51	0.00	0.15	2.61	
04.22.2021	05:45:00	S	3410.07	W	522.21	61	62	10	185.76	21.53	51	10.49	0.00	0.14	2.55	
04.22.2021	05:46:00	S	3410.08	W	521.97	62	61	10	185.83	21.60	51	10.52	0.00	0.14	2.59	
04.22.2021	05:47:00	S	3410.09	W	521.75	60	60	5	185.55	21.57	55	10.50	0.00	0.13	2.61	
04.22.2021	05:48:00	S	3410.11	W	521.48	55	55	6	185.13	21.52	49	10.52	0.00	0.13	2.61	
04.22.2021	05:49:00	S	3410.12	W	521.27	56	56	11	185.26	21.59	44	10.55	0.00	0.13	-0.39	
04.22.2021	05:50:00	S	3410.13	W	521	57	58	12	185.11	21.56	45	10.52	0.00	0.13	-0.36	
04.22.2021	05:50:55	S	3410.13	W	520.78	58	58	6	185.35	21.62	52	10.52	0.00	0.13	-0.37	
04.22.2021	05:51:55	S	3410.13	W	520.55	57	57	7	185.31	21.59	50	10.51	0.00	0.15	-0.36	
04.22.2021	05:52:55	S	3410.14	W	520.28	57	58	7	185.46	21.66	50	10.51	0.00	0.15	-0.39	
04.22.2021	05:53:55	S	3410.16	W	520.08	56	57	7	185.46	21.67	48	10.52	0.00	0.14	2.55	
04.22.2021	05:54:55	S	3410.17	W	519.82	56	56	9	185.13	21.55	47	10.52	0.00	0.14	2.60	
04.22.2021	05:55:55	S	3410.18	W	519.6	55	56	5	185.42	21.59	49	10.53	0.00	0.15	2.59	
04.22.2021	05:56:55	S	3410.19	W	519.35	53	55	3	185.33	21.60	50	10.42	0.00	0.16	2.54	
04.22.2021	05:57:55	S	3410.19	W	519.12	53	55	5	185.26	21.57	49	10.51	0.00	0.12	2.56	
04.22.2021	05:58:55	S	3410.2	W	518.87	57	58	9	185.37	21.61	48	10.52	0.00	0.11	-0.27	
04.22.2021	05:59:55	S	3410.21	W	518.65	54	56	1	185.72	21.63	53	10.51	0.00	0.14	-0.38	
04.22.2021	06:00:53	S	3410.22	W	518.39	59	60	3	185.55	21.57	57	10.52	0.00	0.13	-0.38	
04.22.2021	06:01:53	S	3410.23	W	518.14	59	60	1	185.63	21.56	57	10.52	0.00	0.12	-0.37	
04.22.2021	06:02:53	S	3410.25	W	517.92	60	61	7	185.57	21.55	52	10.50	0.00	0.15	-0.37	
04.22.2021	06:03:53	S	3410.26	W	517.7	61	62	9	185.74	21.59	52	10.51	0.00	0.15	-0.34	
04.22.2021	06:04:53	S	3410.27	W	517.46	57	58	6	185.94	21.64	51	10.53	0.00	0.13	2.54	
04.22.2021	06:05:53	S	3410.28	W	517.21	57	59	-1	185.59	21.55	60	10.51	0.00	0.15	2.50	
04.22.2021	06:06:53	S	3410.29	W	516.99	62	62	5	185.74	21.53	57	10.51	0.00	0.15	2.48	
04.22.2021	06:07:53	S	3410.3	W	516.73	61	63	6	186.00	21.59	56	10.50	0.00	0.13	2.51	
04.22.2021	06:08:53	S	3410.31	W	516.48	63	64	10	185.87	21.56	53	10.52	0.00	0.14	2.55	
04.22.2021	06:09:53	S	3410.32	W	516.23	60	61	10	186.05	21.56	50	10.52	0.00	0.13	-0.38	
04.22.2021	06:10:56	S	3410.32	W	516.01	58	58	6	186.05	21.57	52	10.51	0.00	0.15	-0.38	
04.22.2021	06:11:56	S	3410.32	W	515.77	63	64	6	186.00	21.52	57	10.50	0.00	0.13	-0.39	
04.22.2021	06:12:56	S	3410.32	W	515.52	66	66	11	186.26	21.63	55	10.51	0.00	0.14	-0.37	
04.22.2021	06:13:56	S	3410.33	W	515.29	63	62	10	185.63	21.52	52	10.52	0.00	0.14	-0.38	
04.22.2021	06:14:56	S	3410.34	W	515.04	62	62	11	185.68	21.59	51	10.51	0.00	0.15	2.40	
04.22.2021	06:15:56	S	3410.34	W	514.84	62	62	6	185.42	21.51	55	10.52	0.00	0.15	2.50	
04.22.2021	06:16:56	S	3410.34	W	514.58	63	63	11	185.48	21.53	52	10.51	0.00	0.17	2.50	
04.22.2021	06:17:56	S	3410.34	W	514.34	63	63	12	185.48	21.55	50	10.52	0.00	0.14	2.48	
04.22.2021	06:18:56	S	3410.34	W	514.11	60	59	8	185.72	21.63	50	10.52	0.00	0.14	2.46	
04.22.2021	06:19:56	S	3410.35	W	513.9	58	59	6	185.48	21.53	52	10.51	0.00	0.13	-0.37	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	06:20:59	S	3410.35	W	513.64	55	57	4	185.83	21.62	51	10.52	0.00	0.11	-0.37	
04.22.2021	06:21:59	S	3410.35	W	513.38	59	61	10	185.68	21.54	49	10.52	0.00	0.13	-0.37	
04.22.2021	06:22:59	S	3410.36	W	513.15	55	56	4	185.66	21.52	51	10.51	0.00	0.13	-0.37	
04.22.2021	06:23:59	S	3410.37	W	512.9	55	56	3	185.57	21.54	52	10.52	0.00	0.14	-0.40	
04.22.2021	06:24:59	S	3410.38	W	512.69	57	58	6	185.74	21.54	51	10.51	0.00	0.15	2.45	
04.22.2021	06:25:59	S	3410.38	W	512.41	56	58	4	185.66	21.49	52	10.52	0.00	0.15	2.45	
04.22.2021	06:26:59	S	3410.38	W	512.19	56	58	2	185.76	21.48	54	10.52	0.00	0.15	2.48	
04.22.2021	06:27:59	S	3410.38	W	511.93	58	58	1	185.85	21.51	57	10.52	0.00	0.15	2.49	
04.22.2021	06:28:59	S	3410.38	W	511.71	58	59	4	186.00	21.54	55	10.52	0.00	0.14	2.52	
04.22.2021	06:29:59	S	3410.38	W	511.46	60	61	5	185.96	21.56	55	10.49	0.00	0.13	2.53	
04.22.2021	06:30:56	S	3410.38	W	511.2	63	63	8	185.87	21.54	55	10.51	0.00	0.13	-0.37	
04.22.2021	06:31:56	S	3410.38	W	510.96	60	61	3	185.89	21.57	56	10.52	0.00	0.12	-0.36	
04.22.2021	06:32:56	S	3410.39	W	510.7	56	57	5	185.83	21.54	49	10.50	0.00	0.13	-0.37	
04.22.2021	06:33:56	S	3410.39	W	510.49	59	59	9	185.98	21.53	50	10.50	0.00	0.14	-0.37	
04.22.2021	06:34:56	S	3410.39	W	510.24	54	55	6	186.07	21.55	48	10.52	0.00	0.15	-0.38	
04.22.2021	06:35:56	S	3410.39	W	510.01	60	60	6	186.07	21.59	53	10.50	0.00	0.15	2.46	
04.22.2021	06:36:56	S	3410.4	W	509.72	55	55	7	186.07	21.54	48	10.52	0.00	0.16	2.45	
04.22.2021	06:37:56	S	3410.4	W	509.5	59	59	12	186.00	21.59	47	10.51	0.00	0.15	2.49	
04.22.2021	06:38:56	S	3410.4	W	509.25	61	61	10	186.07	21.62	52	10.52	0.00	0.15	2.48	
04.22.2021	06:39:56	S	3410.4	W	509.03	60	60	3	186.00	21.64	57	10.51	0.00	0.14	2.47	
04.22.2021	06:40:56	S	3410.41	W	508.8	60	61	9	185.55	21.59	50	10.51	0.00	0.15	-0.38	
04.22.2021	06:41:56	S	3410.41	W	508.53	55	55	9	185.55	21.61	45	10.52	0.00	0.13	-0.39	
04.22.2021	06:42:56	S	3410.41	W	508.3	59	58	8	185.46	21.65	50	10.52	0.00	0.13	-0.40	
04.22.2021	06:43:56	S	3410.42	W	508.09	51	53	4	185.16	21.60	48	10.51	0.00	0.13	-0.38	
04.22.2021	06:44:56	S	3410.43	W	507.82	55	56	7	185.24	21.66	48	10.51	0.00	0.14	-0.37	
04.22.2021	06:45:56	S	3410.43	W	507.62	56	57	7	185.33	21.64	50	10.52	0.00	0.13	2.51	
04.22.2021	06:46:56	S	3410.44	W	507.36	57	59	4	185.31	21.63	53	10.50	0.00	0.14	2.51	
04.22.2021	06:47:56	S	3410.45	W	507.13	55	57	3	185.42	21.65	53	10.52	0.00	0.15	2.46	
04.22.2021	06:48:56	S	3410.45	W	506.9	56	58	4	185.31	21.61	50	10.50	0.00	0.15	2.49	
04.22.2021	06:49:56	S	3410.46	W	506.69	56	58	5	185.16	21.59	51	10.52	0.00	0.15	2.43	
04.22.2021	06:50:59	S	3410.46	W	506.42	58	59	1	185.24	21.62	57	10.52	0.00	0.14	-0.39	
04.22.2021	06:51:59	S	3410.46	W	506.18	60	61	4	185.18	21.60	55	10.51	0.00	0.12	-0.34	
04.22.2021	06:52:59	S	3410.46	W	505.98	63	64	8	185.74	21.71	56	10.49	0.00	0.13	-0.36	
04.22.2021	06:53:59	S	3410.45	W	505.74	61	62	2	185.57	21.61	59	10.50	0.00	0.14	-0.38	
04.22.2021	06:54:59	S	3410.46	W	505.46	62	63	4	185.89	21.65	57	10.52	0.00	0.13	-0.36	
04.22.2021	06:55:59	S	3410.46	W	505.25	62	63	7	185.83	21.63	56	10.50	0.00	0.15	-0.37	
04.22.2021	06:56:59	S	3410.47	W	505.02	62	62	4	186.20	21.71	57	10.51	0.00	0.14	2.46	
04.22.2021	06:57:59	S	3410.48	W	504.78	60	61	0	186.09	21.66	60	10.52	0.00	0.16	2.48	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	06:58:59	S	3410.49	W	504.55	60	61	4	186.07	21.60	56	10.51	0.00	0.16	2.50	
04.22.2021	06:59:59	S	3410.5	W	504.33	61	63	9	186.26	21.59	54	10.51	0.00	0.14	2.48	
04.22.2021	07:00:56	S	3410.51	W	504.09	58	58	3	186.28	21.55	55	10.50	0.00	0.13	2.48	
04.22.2021	07:01:56	S	3410.51	W	503.87	61	62	9	186.59	21.60	52	10.52	0.00	0.13	-0.37	
04.22.2021	07:02:56	S	3410.51	W	503.62	63	64	10	186.57	21.59	53	10.51	0.00	0.12	-0.39	
04.22.2021	07:03:56	S	3410.51	W	503.39	59	59	8	186.76	21.57	50	10.50	0.00	0.13	-0.37	
04.22.2021	07:04:56	S	3410.52	W	503.15	57	57	3	186.76	21.64	53	10.51	0.00	0.12	-0.37	
04.22.2021	07:05:56	S	3410.53	W	502.95	58	58	7	186.46	21.53	51	10.50	0.00	0.14	-0.36	
04.22.2021	07:06:56	S	3410.54	W	502.7	59	59	8	186.35	21.52	50	10.51	0.00	0.15	2.46	
04.22.2021	07:07:56	S	3410.56	W	502.45	57	57	7	186.18	21.59	50	10.51	0.00	0.14	2.49	
04.22.2021	07:08:56	S	3410.57	W	502.24	57	59	0	186.09	21.59	57	10.52	0.00	0.16	2.49	
04.22.2021	07:09:56	S	3410.59	W	502	56	57	3	185.85	21.55	53	10.52	0.00	0.14	2.42	
04.22.2021	07:11:01	S	3410.61	W	501.77	59	60	9	185.83	21.55	50	10.50	0.00	0.12	2.46	
04.22.2021	07:12:01	S	3410.62	W	501.54	60	62	2	185.85	21.56	58	10.52	0.00	0.14	-0.38	
04.22.2021	07:13:01	S	3410.64	W	501.33	60	62	8	185.85	21.60	53	10.51	0.00	0.12	-0.35	
04.22.2021	07:14:01	S	3410.65	W	501.07	63	64	4	185.55	21.56	59	10.52	0.00	0.13	-0.39	
04.22.2021	07:15:00	S	3410.67	W	500.83	60	60	3	185.68	21.56	57	10.51	0.00	0.13	-0.36	
04.22.2021	07:16:00	S	3410.69	W	500.6	58	58	5	185.59	21.59	53	10.50	0.00	0.13	-0.23	
04.22.2021	07:17:00	S	3410.7	W	500.38	61	61	6	185.35	21.54	54	10.51	0.00	0.14	2.46	
04.22.2021	07:18:00	S	3410.71	W	500.14	59	59	6	185.57	21.56	52	10.50	0.00	0.13	2.44	
04.22.2021	07:19:00	S	3410.73	W	459.89	61	62	2	185.68	21.59	59	10.51	0.00	0.15	2.48	
04.22.2021	07:20:00	S	3410.74	W	459.66	62	62	6	185.89	21.62	55	10.51	0.00	0.15	2.52	
04.22.2021	07:20:57	S	3410.76	W	459.47	64	64	8	185.79	21.56	56	10.51	0.00	0.14	2.45	
04.22.2021	07:21:57	S	3410.76	W	459.4	60	59	4	185.72	21.52	54	10.52	0.00	0.12	-0.37	
04.22.2021	07:22:57	S	3410.8	W	459	54	54	6	186.00	21.56	48	10.52	0.00	0.13	-0.38	
04.22.2021	07:23:57	S	3410.81	W	458.76	59	59	13	185.85	21.54	47	10.51	0.00	0.12	-0.36	
04.22.2021	07:24:57	S	3410.83	W	458.51	61	62	9	185.96	21.52	53	10.50	0.00	0.12	-0.37	
04.22.2021	07:25:57	S	3410.85	W	458.32	54	55	1	186.31	21.60	53	10.51	0.00	0.13	-0.39	
04.22.2021	07:26:57	S	3410.87	W	458.06	55	55	9	186.35	21.62	46	10.50	0.00	0.14	-0.37	
04.22.2021	07:27:57	S	3410.89	W	457.83	56	57	9	186.28	21.57	47	10.51	0.00	0.16	2.42	
04.22.2021	07:28:57	S	3410.9	W	457.61	57	59	5	186.37	21.59	52	10.50	0.00	0.15	2.44	
04.22.2021	07:29:57	S	3410.91	W	457.4	53	56	1	186.26	21.52	53	10.52	0.00	0.15	2.43	
04.22.2021	07:30:56	S	3410.93	W	457.16	57	58	5	186.35	21.56	53	10.51	0.00	0.14	2.45	
04.22.2021	07:31:56	S	3410.94	W	456.94	61	62	2	186.46	21.57	58	10.51	0.00	0.12	2.44	
04.22.2021	07:32:56	S	3410.96	W	456.68	56	57	0	186.35	21.55	55	10.51	0.00	0.13	-0.38	
04.22.2021	07:33:56	S	3410.98	W	456.46	66	66	10	186.20	21.56	56	10.50	0.00	0.13	-0.36	
04.22.2021	07:34:56	S	3411	W	456.21	61	61	8	185.96	21.55	53	10.52	0.00	0.11	-0.39	
04.22.2021	07:35:56	S	3411.01	W	456.01	60	60	4	185.66	21.54	55	10.52	0.00	0.12	-0.38	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	07:36:56	S	3411.02	W	455.79	64	65	8	185.55	21.48	55	10.52	0.00	0.15	-0.37	
04.22.2021	07:37:56	S	3411.04	W	455.55	61	62	5	185.63	21.50	55	10.51	0.00	0.17	2.41	
04.22.2021	07:38:56	S	3411.05	W	455.33	63	63	4	185.74	21.49	59	10.52	0.00	0.15	2.47	
04.22.2021	07:39:56	S	3411.07	W	455.08	65	66	9	185.68	21.48	56	10.53	0.00	0.16	2.39	
04.22.2021	07:40:57	S	3411.08	W	454.87	64	64	12	185.76	21.53	53	10.50	0.00	0.13	2.46	
04.22.2021	07:41:57	S	3411.1	W	454.62	63	63	5	185.89	21.49	58	10.50	0.00	0.15	2.48	
04.22.2021	07:42:57	S	3411.12	W	454.42	59	58	6	185.74	21.42	52	10.54	0.00	0.14	-0.36	
04.22.2021	07:43:57	S	3411.14	W	454.19	55	55	11	185.85	21.46	44	10.52	0.00	0.13	-0.37	
04.22.2021	07:44:57	S	3411.14	W	453.97	59	59	6	185.83	21.46	53	10.52	0.00	0.13	-0.39	
04.22.2021	07:45:57	S	3411.15	W	453.74	58	58	3	186.18	21.50	55	10.52	0.00	0.14	-0.37	
04.22.2021	07:46:57	S	3411.17	W	453.53	56	57	7	186.41	21.56	49	10.51	0.00	0.15	-0.37	
04.22.2021	07:47:57	S	3411.19	W	453.27	59	59	4	186.50	21.51	54	10.52	0.00	0.15	2.44	
04.22.2021	07:48:57	S	3411.21	W	453.07	57	58	5	186.50	21.52	51	10.51	0.00	0.15	2.40	
04.22.2021	07:49:57	S	3411.22	W	452.86	59	60	4	186.50	21.51	56	10.52	0.00	0.15	2.42	
04.22.2021	07:50:53	S	3411.24	W	452.63	58	60	6	186.72	21.55	52	10.52	0.00	0.15	2.44	
04.22.2021	07:51:53	S	3411.25	W	452.39	62	63	5	186.70	21.50	56	10.52	0.00	0.15	2.45	
04.22.2021	07:52:53	S	3411.26	W	452.15	62	63	5	186.70	21.48	58	10.50	0.00	0.14	2.42	
04.22.2021	07:53:53	S	3411.28	W	451.95	62	62	9	187.02	21.53	53	10.52	0.00	0.13	-0.37	
04.22.2021	07:54:53	S	3411.29	W	451.72	67	67	11	186.98	21.53	56	10.52	0.00	0.13	-0.37	
04.22.2021	07:55:53	S	3411.3	W	451.49	62	63	4	187.11	21.50	59	10.52	0.00	0.13	-0.38	
04.22.2021	07:56:53	S	3411.31	W	451.25	63	64	7	187.43	21.57	56	10.52	0.00	0.11	-0.38	
04.22.2021	07:57:53	S	3411.33	W	451.07	63	63	4	187.52	21.62	59	10.51	0.00	0.16	-0.37	
04.22.2021	07:58:53	S	3411.36	W	450.8	64	64	6	186.96	21.49	57	10.51	0.00	0.15	2.41	
04.22.2021	07:59:53	S	3411.38	W	450.59	61	63	8	186.91	21.56	54	10.50	0.00	0.13	2.42	
04.22.2021	08:01:01	S	3411.39	W	450.36	61	61	4	186.78	21.57	56	10.52	0.00	0.15	2.46	
04.22.2021	08:02:01	S	3411.41	W	450.16	61	61	5	186.48	21.54	56	10.53	0.00	0.15	2.42	
04.22.2021	08:03:01	S	3411.43	W	449.93	58	58	8	186.13	21.54	50	10.50	0.00	0.15	2.40	
04.22.2021	08:04:01	S	3411.45	W	449.71	57	57	8	185.87	21.51	49	10.51	0.00	0.13	-0.34	
04.22.2021	08:05:01	S	3411.46	W	449.46	56	57	5	185.79	21.55	51	10.52	0.00	0.14	-0.37	
04.22.2021	08:06:01	S	3411.47	W	449.27	59	59	7	185.76	21.50	52	10.51	0.00	0.14	-0.36	
04.22.2021	08:07:01	S	3411.49	W	449.05	58	59	8	185.76	21.48	50	10.52	0.00	0.14	-0.37	
04.22.2021	08:08:01	S	3411.51	W	448.8	55	56	2	185.68	21.48	53	10.50	0.00	0.13	-0.39	
04.22.2021	08:09:01	S	3411.53	W	448.59	59	60	4	185.72	21.48	55	10.51	0.00	0.15	2.41	
04.22.2021	08:10:01	S	3411.55	W	448.36	54	56	5	185.87	21.53	50	10.48	0.00	0.14	2.44	
04.22.2021	08:10:57	S	3411.56	W	448.15	56	57	1	185.85	21.54	55	10.51	0.00	0.14	2.41	
04.22.2021	08:11:57	S	3411.57	W	447.92	56	57	1	185.68	21.50	56	10.51	0.00	0.15	2.40	
04.22.2021	08:12:57	S	3411.57	W	447.71	59	60	8	185.85	21.52	51	10.51	0.00	0.15	2.36	
04.22.2021	08:13:57	S	3411.57	W	447.46	62	63	3	185.96	21.48	59	10.51	0.00	0.12	-0.38	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	08:14:57	S	3411.57	W	447.24	63	63	4	186.05	21.48	59	10.52	0.00	0.13	-0.36
04.22.2021	08:15:57	S	3411.57	W	447.02	65	66	8	186.18	21.51	57	10.54	0.00	0.13	-0.40
04.22.2021	08:16:57	S	3411.58	W	446.79	64	64	7	186.20	21.50	58	10.51	0.00	0.13	-0.37
04.22.2021	08:17:57	S	3411.59	W	446.59	60	61	3	186.39	21.55	57	10.51	0.00	0.13	-0.37
04.22.2021	08:18:57	S	3411.59	W	446.35	59	61	6	186.15	21.48	54	10.51	0.00	0.15	-0.36
04.22.2021	08:19:57	S	3411.6	W	446.09	62	62	9	186.35	21.53	53	10.51	0.00	0.15	2.41
04.22.2021	08:20:53	S	3411.6	W	445.9	63	62	7	186.31	21.46	55	10.51	0.00	0.15	2.45
04.22.2021	08:21:53	S	3411.6	W	445.65	61	61	8	186.72	21.55	52	10.50	0.00	0.15	2.44
04.22.2021	08:22:53	S	3411.6	W	445.62	55	56	9	186.55	21.45	46	10.50	0.00	0.15	2.38
04.22.2021	08:23:53	S	3411.61	W	445.19	57	57	6	186.83	21.50	51	10.50	0.00	0.15	2.36
04.22.2021	08:24:53	S	3411.61	W	444.95	59	60	6	186.89	21.48	53	10.54	0.00	0.13	-0.38
04.22.2021	08:25:53	S	3411.6	W	444.73	55	57	4	186.87	21.46	51	10.50	0.00	0.14	-0.36
04.22.2021	08:26:53	S	3411.6	W	444.51	57	58	9	187.07	21.48	48	10.51	0.00	0.12	-0.38
04.22.2021	08:27:53	S	3411.61	W	444.26	59	61	1	187.07	21.49	58	10.50	0.00	0.13	-0.37
04.22.2021	08:28:53	S	3411.61	W	444.02	58	59	4	186.87	21.45	54	10.51	0.00	0.12	-0.37
04.22.2021	08:29:53	S	3411.61	W	443.79	56	58	6	186.76	21.48	51	10.51	0.00	0.15	2.38
04.22.2021	08:31:02	S	3411.61	W	443.58	56	58	5	186.37	21.39	51	10.51	0.00	0.16	2.38
04.22.2021	08:32:02	S	3411.62	W	443.33	61	63	4	186.39	21.45	58	10.51	0.00	0.13	2.35
04.22.2021	08:33:02	S	3411.62	W	443.1	58	59	0	186.37	21.43	58	10.51	0.00	0.17	2.38
04.22.2021	08:34:02	S	3411.62	W	442.87	60	61	7	186.13	21.39	53	10.52	0.00	0.15	2.39
04.22.2021	08:35:02	S	3411.62	W	442.62	59	60	5	186.28	21.46	54	10.51	0.00	0.16	-0.39
04.22.2021	08:36:02	S	3411.61	W	442.39	61	61	5	186.39	21.45	56	10.50	0.00	0.13	-0.38
04.22.2021	08:37:02	S	3411.61	W	442.17	62	62	6	186.48	21.46	57	10.52	0.00	0.17	-0.37
04.22.2021	08:38:02	S	3411.61	W	441.94	59	60	3	186.46	21.43	56	10.52	0.00	0.14	-0.35
04.22.2021	08:39:02	S	3411.61	W	441.71	61	62	7	186.41	21.46	54	10.50	0.00	0.13	-0.20
04.22.2021	08:40:02	S	3411.61	W	441.45	64	65	12	186.48	21.48	52	10.51	0.00	0.15	2.35
04.22.2021	08:40:57	S	3411.61	W	441.23	60	61	4	186.39	21.39	57	10.52	0.00	0.15	2.33
04.22.2021	08:41:57	S	3411.61	W	441.01	62	63	4	186.41	21.38	59	10.52	0.00	0.15	2.34
04.22.2021	08:42:57	S	3411.62	W	440.75	60	61	9	186.46	21.40	51	10.53	0.00	0.17	2.37
04.22.2021	08:43:57	S	3411.62	W	440.54	59	58	11	186.37	21.38	47	10.51	0.00	0.15	2.34
04.22.2021	08:44:57	S	3411.62	W	440.33	59	59	5	186.57	21.42	54	10.51	0.00	0.11	2.35
04.22.2021	08:45:57	S	3411.62	W	440.08	60	60	8	186.61	21.39	52	10.53	0.00	0.13	-0.37
04.22.2021	08:46:57	S	3411.62	W	439.81	60	60	12	186.59	21.38	47	10.51	0.00	0.14	-0.37
04.22.2021	08:47:57	S	3411.62	W	439.61	58	58	9	186.98	21.46	49	10.51	0.00	0.14	-0.38
04.22.2021	08:48:57	S	3411.62	W	439.38	56	56	7	186.72	21.40	49	10.51	0.00	0.11	-0.35
04.22.2021	08:49:57	S	3411.62	W	439.16	58	58	9	186.87	21.40	49	10.51	0.00	0.13	-0.37
04.22.2021	08:50:59	S	3411.61	W	438.91	56	56	4	186.81	21.39	51	10.52	0.00	0.14	2.39
04.22.2021	08:51:59	S	3411.6	W	438.68	53	54	6	187.11	21.42	47	10.52	0.00	0.18	2.38

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	08:52:59	S	3411.6	W	438.45	54	56	7	186.98	21.38	48	10.52	0.00	0.16	2.38	
04.22.2021	08:53:59	S	3411.59	W	438.2	54	54	4	186.87	21.41	50	10.51	0.00	0.15	2.35	
04.22.2021	08:54:59	S	3411.59	W	437.97	54	55	5	186.76	21.39	50	10.51	0.00	0.15	2.38	
04.22.2021	08:55:59	S	3411.58	W	437.74	55	57	5	186.59	21.39	50	10.51	0.00	0.14	-0.38	
04.22.2021	08:56:59	S	3411.58	W	437.49	57	59	4	186.31	21.34	53	10.50	0.00	0.13	-0.36	
04.22.2021	08:57:59	S	3411.58	W	437.31	61	62	5	186.18	21.38	56	10.51	0.00	0.12	-0.37	
04.22.2021	08:58:59	S	3411.58	W	437.03	61	63	1	186.18	21.45	61	10.50	0.00	0.13	-0.37	
04.22.2021	08:59:59	S	3411.59	W	436.82	59	60	-1	186.28	21.46	60	10.51	0.00	0.13	-0.37	
04.22.2021	09:00:57	S	3411.61	W	436.58	58	60	2	186.18	21.45	56	10.50	0.00	0.13	2.37	
04.22.2021	09:01:57	S	3411.62	W	436.4	60	61	9	186.09	21.46	51	10.52	0.00	0.15	2.38	
04.22.2021	09:02:57	S	3411.64	W	436.14	60	61	5	186.07	21.46	55	10.51	0.00	0.14	2.35	
04.22.2021	09:03:57	S	3411.65	W	435.92	60	61	6	186.18	21.49	54	10.53	0.00	0.15	2.36	
04.22.2021	09:04:57	S	3411.67	W	435.67	62	63	6	186.15	21.48	56	10.51	0.00	0.15	2.30	
04.22.2021	09:05:57	S	3411.68	W	435.44	58	59	3	186.15	21.48	55	10.51	0.00	0.13	-0.40	
04.22.2021	09:06:57	S	3411.7	W	435.23	62	63	5	186.35	21.50	57	10.52	0.00	0.13	-0.36	
04.22.2021	09:07:57	S	3411.71	W	435	55	56	4	186.46	21.52	51	10.53	0.00	0.14	-0.38	
04.22.2021	09:08:57	S	3411.72	W	434.79	60	61	6	186.65	21.54	54	10.51	0.00	0.14	-0.37	
04.22.2021	09:09:57	S	3411.73	W	434.54	63	63	5	186.68	21.54	57	10.53	0.00	0.13	-0.37	
04.22.2021	09:10:59	S	3411.74	W	434.3	66	67	3	187.20	21.61	63	10.51	0.00	0.13	-0.37	
04.22.2021	09:11:59	S	3411.75	W	434.11	63	64	3	187.33	21.61	59	10.51	0.00	0.14	2.36	
04.22.2021	09:12:59	S	3411.77	W	433.86	61	63	8	187.28	21.60	54	10.51	0.00	0.14	2.37	
04.22.2021	09:13:59	S	3411.79	W	433.64	60	60	8	187.70	21.69	51	10.52	0.00	0.15	2.40	
04.22.2021	09:14:59	S	3411.81	W	433.4	61	61	4	187.48	21.67	56	10.51	0.00	0.15	2.34	
04.22.2021	09:15:59	S	3411.83	W	433.21	61	61	5	187.43	21.64	55	10.51	0.00	0.16	2.35	
04.22.2021	09:16:59	S	3411.85	W	432.97	56	56	4	187.59	21.66	52	10.51	0.00	0.12	-0.34	
04.22.2021	09:17:59	S	3411.87	W	432.73	58	58	9	187.63	21.67	48	10.54	0.00	0.14	-0.40	
04.22.2021	09:18:59	S	3411.89	W	432.54	56	57	6	187.52	21.65	50	10.52	0.00	0.12	-0.38	
04.22.2021	09:19:59	S	3411.91	W	432.3	58	58	9	187.65	21.69	49	10.52	0.00	0.14	-0.36	
04.22.2021	09:20:53	S	3411.92	W	432.05	56	57	5	187.52	21.61	51	10.52	0.00	0.12	-0.37	
04.22.2021	09:21:53	S	3411.93	W	431.83	59	59	7	187.37	21.62	52	10.52	0.00	0.15	2.36	
04.22.2021	09:22:53	S	3411.95	W	431.62	57	57	2	187.50	21.70	54	10.52	0.00	0.15	2.33	
04.22.2021	09:23:53	S	3411.97	W	431.39	58	59	6	187.43	21.70	52	10.52	0.00	0.15	2.40	
04.22.2021	09:24:53	S	3411.99	W	431.14	52	53	3	187.13	21.72	48	10.51	0.00	0.14	2.40	
04.22.2021	09:25:53	S	3412.01	W	430.92	52	54	1	186.65	21.60	52	10.51	0.00	0.14	2.38	
04.22.2021	09:26:53	S	3412.03	W	430.71	52	54	1	186.78	21.66	50	10.51	0.00	0.12	-0.38	
04.22.2021	09:27:53	S	3412.05	W	430.46	56	58	2	186.72	21.69	54	10.51	0.00	0.14	-0.37	
04.22.2021	09:28:53	S	3412.06	W	430.24	56	57	4	186.39	21.61	52	10.51	0.00	0.13	-0.38	
04.22.2021	09:29:53	S	3412.08	W	430.06	59	62	-2	186.78	21.72	62	10.52	0.00	0.13	-0.37	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	09:30:56	S	3412.1	W	429.82	56	58	4	186.76	21.73	53	10.50	0.00	0.11	-0.37	
04.22.2021	09:31:56	S	3412.13	W	429.58	58	60	-1	186.68	21.67	60	10.51	0.00	0.12	2.40	
04.22.2021	09:32:56	S	3412.14	W	429.37	58	60	-2	186.87	21.73	60	10.50	0.00	0.16	2.40	
04.22.2021	09:33:56	S	3412.17	W	429.11	63	65	4	186.96	21.74	60	10.52	0.00	0.14	2.45	
04.22.2021	09:34:56	S	3412.19	W	428.9	59	60	7	186.72	21.66	52	10.51	0.00	0.16	2.39	
04.22.2021	09:35:56	S	3412.22	W	428.67	59	59	4	186.87	21.73	54	10.51	0.00	0.15	2.43	
04.22.2021	09:36:56	S	3412.25	W	428.44	57	58	4	187.09	21.77	53	10.51	0.00	0.15	-0.36	
04.22.2021	09:37:56	S	3412.27	W	428.24	61	61	6	187.22	21.77	55	10.50	0.00	0.12	-0.37	
04.22.2021	09:38:56	S	3412.28	W	428	61	62	5	187.02	21.71	56	10.50	0.00	0.12	-0.35	
04.22.2021	09:39:56	S	3412.29	W	427.78	69	70	12	187.22	21.72	57	10.51	0.00	0.13	-0.39	
04.22.2021	09:40:53	S	3412.29	W	427.53	61	60	6	187.30	21.71	54	10.52	0.00	0.13	-0.37	
04.22.2021	09:41:53	S	3412.3	W	427.34	61	62	6	187.54	21.77	55	10.52	0.00	0.13	-0.36	
04.22.2021	09:42:53	S	3412.31	W	427.09	61	62	5	187.33	21.73	56	10.51	0.00	0.14	2.49	
04.22.2021	09:43:53	S	3412.32	W	426.89	58	58	2	187.28	21.69	56	10.51	0.00	0.15	2.52	
04.22.2021	09:44:53	S	3412.33	W	426.65	61	62	3	187.50	21.75	57	10.51	0.00	0.14	2.49	
04.22.2021	09:45:53	S	3412.35	W	426.43	63	64	4	187.41	21.70	60	10.51	0.00	0.15	2.49	
04.22.2021	09:46:53	S	3412.36	W	426.2	63	64	5	187.76	21.80	58	10.40	0.00	0.15	2.51	
04.22.2021	09:47:53	S	3412.38	W	425.95	59	60	8	187.59	21.76	52	10.51	0.00	0.13	-0.37	
04.22.2021	09:48:53	S	3412.39	W	425.74	56	57	2	187.24	21.70	54	10.50	0.00	0.13	-0.38	
04.22.2021	09:49:53	S	3412.4	W	425.52	60	61	4	187.30	21.71	56	10.51	0.00	0.13	-0.37	
04.22.2021	09:50:58	S	3412.41	W	425.31	59	59	3	187.17	21.72	55	10.51	0.00	0.12	-0.35	
04.22.2021	09:51:58	S	3412.42	W	425.08	54	55	4	186.87	21.73	51	10.52	0.00	0.12	-0.36	
04.22.2021	09:52:58	S	3412.43	W	424.85	54	55	7	186.57	21.66	47	10.50	0.00	0.14	2.55	
04.22.2021	09:53:58	S	3412.43	W	424.62	53	53	6	186.55	21.66	46	10.51	0.00	0.15	2.60	
04.22.2021	09:54:58	S	3412.42	W	424.39	58	58	6	186.50	21.63	51	10.51	0.00	0.15	2.53	
04.22.2021	09:55:58	S	3412.41	W	424.16	55	56	3	186.81	21.69	52	10.50	0.00	0.14	2.59	
04.22.2021	09:56:58	S	3412.41	W	423.93	54	55	-1	186.91	21.67	55	10.51	0.00	0.15	2.58	
04.22.2021	09:57:58	S	3412.4	W	423.7	58	59	6	187.20	21.72	52	10.51	0.00	0.15	-0.38	
04.22.2021	09:58:58	S	3412.39	W	423.49	59	61	6	187.13	21.66	54	10.51	0.00	0.12	-0.35	
04.22.2021	09:59:58	S	3412.39	W	423.28	61	62	3	187.22	21.69	58	10.52	0.00	0.13	-0.37	
04.22.2021	10:00:55	S	3412.39	W	423.05	56	58	0	187.43	21.70	56	10.51	0.00	0.11	-0.37	
04.22.2021	10:01:55	S	3412.39	W	422.81	54	56	1	187.28	21.69	53	10.51	0.00	0.13	-0.36	
04.22.2021	10:02:55	S	3412.39	W	422.57	55	57	0	187.30	21.67	55	10.52	0.00	0.14	2.68	
04.22.2021	10:03:55	S	3412.39	W	422.38	57	59	4	187.61	21.75	54	10.50	0.00	0.14	2.57	
04.22.2021	10:04:55	S	3412.38	W	422.16	60	62	-1	187.65	21.71	61	10.51	0.00	0.14	2.72	
04.22.2021	10:05:55	S	3412.38	W	421.92	60	62	1	187.72	21.70	59	10.50	0.00	0.15	2.68	
04.22.2021	10:06:55	S	3412.38	W	421.68	56	58	-0	187.89	21.77	56	10.51	0.00	0.14	2.73	
04.22.2021	10:07:55	S	3412.37	W	421.46	58	60	-2	187.74	21.73	60	10.51	0.00	0.16	2.75	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	10:08:55	S	3412.36	W	421.26	63	64	5	187.80	21.72	57	10.48	0.00	0.11	-0.38	
04.22.2021	10:09:55	S	3412.35	W	421.03	60	62	5	188.11	21.80	56	10.51	0.00	0.14	-0.37	
04.22.2021	10:11:01	S	3412.34	W	420.8	60	62	3	188.13	21.82	56	10.52	0.00	0.13	-0.39	
04.22.2021	10:12:01	S	3412.34	W	420.58	60	61	4	188.13	21.80	56	10.51	0.00	0.13	-0.35	
04.22.2021	10:13:01	S	3412.33	W	420.35	66	67	6	188.15	21.81	60	10.52	0.00	0.13	-0.37	
04.22.2021	10:14:01	S	3412.32	W	420.14	60	62	0	188.15	21.80	60	10.51	0.00	0.14	2.72	
04.22.2021	10:15:01	S	3412.32	W	419.92	62	63	2	188.37	21.90	60	10.51	0.00	0.15	2.78	
04.22.2021	10:16:01	S	3412.32	W	419.68	62	64	4	188.24	21.93	59	10.51	0.00	0.15	2.85	
04.22.2021	10:17:01	S	3412.34	W	419.46	65	66	7	187.96	21.87	58	10.51	0.00	0.13	2.80	
04.22.2021	10:18:01	S	3412.35	W	419.23	66	66	4	187.89	21.88	62	10.52	0.00	0.15	2.79	
04.22.2021	10:19:01	S	3412.36	W	419.03	65	65	4	187.52	21.83	60	10.50	0.00	0.17	-0.39	
04.22.2021	10:20:01	S	3412.38	W	418.8	60	61	1	187.37	21.88	58	10.51	0.00	0.12	-0.36	
04.22.2021	10:21:02	S	3412.4	W	418.56	63	64	5	187.13	21.81	58	10.51	0.00	0.13	-0.37	
04.22.2021	10:22:02	S	3412.42	W	418.35	61	62	5	187.22	21.87	56	10.52	0.00	0.13	-0.37	
04.22.2021	10:23:02	S	3412.43	W	418.13	60	61	9	187.13	21.81	51	10.50	0.00	0.13	-0.38	
04.22.2021	10:24:02	S	3412.45	W	417.91	61	62	6	186.76	21.76	55	10.51	0.00	0.14	-0.39	
04.22.2021	10:25:02	S	3412.46	W	417.68	65	65	7	187.22	21.84	58	10.50	0.00	0.14	-0.37	
04.22.2021	10:26:02	S	3412.48	W	417.47	67	67	5	187.13	21.84	62	10.54	0.00	0.13	-0.37	
04.22.2021	10:27:02	S	3412.49	W	417.26	65	66	5	187.20	21.82	60	10.51	0.00	0.14	-0.36	
04.22.2021	10:28:02	S	3412.52	W	417.01	60	60	2	187.11	21.80	57	10.52	0.00	0.14	-0.37	
04.22.2021	10:29:02	S	3412.53	W	416.79	66	66	10	187.07	21.77	56	10.51	0.00	0.11	2.98	
04.22.2021	10:30:02	S	3412.54	W	416.61	65	65	8	187.00	21.70	57	10.51	0.00	0.15	2.98	
04.22.2021	10:30:59	S	3412.55	W	416.34	63	63	3	187.20	21.72	59	10.50	0.00	0.15	2.96	
04.22.2021	10:31:59	S	3412.55	W	416.12	57	57	2	187.33	21.76	54	10.51	0.00	0.15	2.97	
04.22.2021	10:32:59	S	3412.56	W	415.94	60	60	3	187.17	21.72	58	10.52	0.00	0.15	3.01	
04.22.2021	10:33:59	S	3412.57	W	415.71	59	60	1	187.39	21.76	58	10.51	0.00	0.15	-0.37	
04.22.2021	10:34:59	S	3412.58	W	415.47	58	59	6	187.39	21.69	52	10.51	0.00	0.14	-0.38	
04.22.2021	10:35:59	S	3412.6	W	415.27	58	57	5	187.83	21.77	52	10.52	0.00	0.13	-0.39	
04.22.2021	10:36:59	S	3412.62	W	415.03	57	57	6	187.70	21.69	50	10.52	0.00	0.12	-0.37	
04.22.2021	10:37:59	S	3412.64	W	414.8	55	55	6	187.76	21.77	49	10.52	0.00	0.14	-0.34	
04.22.2021	10:38:59	S	3412.65	W	414.59	58	58	1	187.74	21.74	56	10.52	0.00	0.13	3.13	
04.22.2021	10:39:59	S	3412.66	W	414.36	56	58	3	187.65	21.69	54	10.51	0.00	0.15	3.14	
04.22.2021	10:40:55	S	3412.67	W	414.16	57	58	1	187.93	21.72	56	10.51	0.00	0.15	3.15	
04.22.2021	10:41:55	S	3412.68	W	413.95	58	59	4	187.91	21.77	54	10.51	0.00	0.15	3.13	
04.22.2021	10:42:55	S	3412.7	W	413.73	56	57	3	187.96	21.71	53	10.52	0.00	0.15	3.11	
04.22.2021	10:43:55	S	3412.71	W	413.52	58	59	2	187.89	21.72	56	10.50	0.00	0.15	3.08	
04.22.2021	10:44:55	S	3412.72	W	413.27	59	61	-0	187.89	21.74	60	10.51	0.00	0.14	-0.36	
04.22.2021	10:45:55	S	3412.73	W	413.11	61	63	3	187.65	21.75	58	10.51	0.00	0.13	-0.35	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	10:46:55	S	3412.75	W	412.88	62	64	2	187.61	21.72	60	10.51	0.00	0.13	-0.38	
04.22.2021	10:47:55	S	3412.76	W	412.65	56	58	-2	187.43	21.72	57	10.53	0.00	0.13	-0.37	
04.22.2021	10:48:55	S	3412.78	W	412.41	56	59	2	187.11	21.66	55	10.52	0.00	0.13	-0.36	
04.22.2021	10:49:55	S	3412.79	W	412.21	56	58	3	187.24	21.74	53	10.51	0.00	0.13	3.24	
04.22.2021	10:50:58	S	3412.81	W	411.98	57	59	-1	187.39	21.80	58	10.50	0.00	0.16	3.22	
04.22.2021	10:51:58	S	3412.82	W	411.79	59	61	-1	187.50	21.80	61	10.50	0.00	0.15	3.23	
04.22.2021	10:52:58	S	3412.83	W	411.56	60	62	1	187.48	21.77	60	10.52	0.00	0.15	3.24	
04.22.2021	10:53:58	S	3412.84	W	411.35	61	63	3	187.37	21.74	58	10.50	0.00	0.13	3.24	
04.22.2021	10:54:58	S	3412.86	W	411.12	61	62	4	187.43	21.74	57	10.52	0.00	0.15	-0.39	
04.22.2021	10:55:58	S	3412.87	W	410.9	61	63	5	187.65	21.83	57	10.53	0.00	0.31	-0.37	
04.22.2021	10:56:58	S	3412.88	W	410.7	60	61	1	187.65	21.81	58	10.53	0.00	0.12	-0.12	
04.22.2021	10:57:58	S	3412.88	W	410.51	64	64	4	187.70	21.80	60	10.51	0.00	0.13	-0.38	
04.22.2021	10:58:58	S	3412.9	W	410.25	63	64	2	187.61	21.79	62	10.50	0.00	0.14	-0.39	
04.22.2021	10:59:58	S	3412.91	W	410.06	62	63	3	187.63	21.79	58	10.50	0.00	0.11	3.33	
04.22.2021	11:01:01	S	3412.93	W	409.85	60	61	3	187.61	21.81	57	10.51	0.00	0.15	3.26	
04.22.2021	11:02:01	S	3412.94	W	409.62	58	59	4	187.50	21.77	55	10.51	0.00	0.05	3.35	
04.22.2021	11:03:01	S	3412.95	W	409.42	61	61	5	187.63	21.82	55	10.58	0.00	0.15	3.31	
04.22.2021	11:04:01	S	3412.97	W	409.19	59	60	2	187.63	21.80	57	10.51	0.00	0.15	3.35	
04.22.2021	11:05:01	S	3412.98	W	408.97	64	64	4	188.02	21.90	59	10.51	0.00	0.15	-0.37	
04.22.2021	11:06:01	S	3412.99	W	408.78	64	65	3	188.06	21.93	61	10.51	0.00	0.13	-0.39	
04.22.2021	11:07:01	S	3413.01	W	408.54	61	62	4	187.83	21.84	58	10.51	0.00	0.12	-0.29	
04.22.2021	11:08:01	S	3413.03	W	408.31	62	62	2	187.89	21.82	59	10.52	0.00	0.13	-0.39	
04.22.2021	11:09:01	S	3413.05	W	408.12	60	60	6	187.76	21.84	53	10.51	0.00	0.13	-0.36	
04.22.2021	11:10:01	S	3413.07	W	407.88	60	60	2	187.70	21.85	58	10.52	0.00	0.14	-0.36	
04.22.2021	11:10:57	S	3413.08	W	407.67	61	61	2	187.72	21.83	57	10.50	0.00	0.12	3.39	
04.22.2021	11:11:57	S	3413.1	W	407.46	56	57	4	187.52	21.84	52	10.53	0.00	0.16	3.44	
04.22.2021	11:12:57	S	3413.12	W	407.24	56	57	7	187.20	21.80	50	10.51	0.00	0.14	3.39	
04.22.2021	11:13:57	S	3413.13	W	407.04	59	59	4	187.41	21.90	54	10.52	0.00	0.16	3.43	
04.22.2021	11:14:57	S	3413.14	W	406.84	55	56	4	187.20	21.89	52	10.52	0.00	0.16	3.42	
04.22.2021	11:15:57	S	3413.16	W	406.61	56	56	5	186.78	21.77	51	10.52	0.00	0.15	-0.38	
04.22.2021	11:16:57	S	3413.17	W	406.4	56	56	4	187.00	21.84	52	10.51	0.00	0.13	-0.37	
04.22.2021	11:17:57	S	3413.17	W	406.18	59	59	5	187.17	21.90	53	10.50	0.00	0.13	-0.39	
04.22.2021	11:18:57	S	3413.19	W	405.96	55	56	-0	186.87	21.80	55	10.51	0.00	0.11	-0.37	
04.22.2021	11:19:57	S	3413.2	W	405.76	54	55	2	187.00	21.84	53	10.51	0.00	0.12	-0.36	
04.22.2021	11:20:55	S	3413.21	W	405.55	54	55	2	187.09	21.89	52	10.50	0.00	0.13	3.57	
04.22.2021	11:21:55	S	3413.23	W	405.32	55	56	5	187.20	21.86	49	10.50	0.00	0.14	3.48	
04.22.2021	11:22:55	S	3413.24	W	405.11	51	53	1	187.39	21.90	50	10.50	0.00	0.16	3.40	
04.22.2021	11:23:55	S	3413.26	W	404.91	54	55	-1	187.48	21.88	54	10.51	0.00	0.15	3.42	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	11:24:55	S	3413.27	W	404.68	60	61	2	187.89	21.91	57	10.51	0.00	0.15	3.38	
04.22.2021	11:25:55	S	3413.28	W	404.47	57	58	1	187.80	21.82	55	10.51	0.00	0.15	-0.38	
04.22.2021	11:26:55	S	3413.3	W	404.26	60	61	4	188.17	21.91	56	10.51	0.00	0.11	-0.36	
04.22.2021	11:27:55	S	3413.31	W	404.05	58	60	1	188.17	21.90	58	10.51	0.00	0.13	-0.36	
04.22.2021	11:28:55	S	3413.33	W	403.84	56	58	-1	188.24	21.91	56	10.51	0.00	0.14	-0.39	
04.22.2021	11:29:55	S	3413.34	W	403.63	62	64	0	188.22	21.82	62	10.51	0.00	0.12	-0.37	
04.22.2021	11:31:00	S	3413.34	W	403.42	63	64	-3	188.56	21.90	66	10.51	0.00	0.13	3.51	
04.22.2021	11:32:00	S	3413.35	W	403.18	62	64	1	188.74	21.93	61	10.51	0.00	0.14	3.48	
04.22.2021	11:33:00	S	3413.37	W	403	63	64	4	188.98	21.97	59	10.52	0.00	0.14	3.49	
04.22.2021	11:34:00	S	3413.37	W	402.81	63	63	7	188.82	21.93	55	10.51	0.00	0.16	3.46	
04.22.2021	11:35:00	S	3413.39	W	402.59	64	65	2	188.72	21.91	62	10.51	0.00	0.15	3.55	
04.22.2021	11:36:00	S	3413.39	W	402.37	65	67	2	188.93	21.98	64	10.50	0.00	0.15	3.51	
04.22.2021	11:37:00	S	3413.4	W	402.17	67	68	3	188.76	21.97	63	10.53	0.00	0.14	-0.39	
04.22.2021	11:38:00	S	3413.41	W	401.95	62	64	2	188.95	22.01	61	10.51	0.00	0.14	-0.36	
04.22.2021	11:39:00	S	3413.43	W	401.73	58	60	3	188.67	21.98	56	10.50	0.00	0.12	-0.36	
04.22.2021	11:40:00	S	3413.43	W	401.55	59	59	3	188.41	21.94	56	10.50	0.00	0.13	-0.36	
04.22.2021	11:40:55	S	3413.44	W	401.31	60	61	-1	187.85	21.83	61	10.51	0.00	0.14	-0.36	
04.22.2021	11:41:55	S	3413.44	W	401.1	63	64	2	187.93	21.93	62	10.50	0.00	0.14	3.56	
04.22.2021	11:42:55	S	3413.43	W	400.88	61	63	0	187.83	21.93	61	10.51	0.00	0.15	3.57	
04.22.2021	11:43:55	S	3413.43	W	400.67	64	65	6	187.85	21.97	58	10.52	0.00	0.15	3.53	
04.22.2021	11:44:55	S	3413.43	W	400.45	62	63	7	187.91	22.03	55	10.49	0.00	0.16	3.53	
04.22.2021	11:45:55	S	3413.43	W	400.27	59	59	4	187.43	21.93	55	10.50	0.00	0.14	3.54	
04.22.2021	11:46:55	S	3413.43	W	400.05	60	59	3	187.61	22.01	56	10.52	0.00	0.14	-0.37	
04.22.2021	11:47:55	S	3413.43	W	359.83	57	57	1	187.50	21.98	56	10.53	0.00	0.12	-0.39	
04.22.2021	11:48:55	S	3413.43	W	359.64	58	58	2	187.48	22.01	56	10.52	0.00	0.12	-0.37	
04.22.2021	11:49:55	S	3413.43	W	359.42	60	60	2	187.59	21.95	57	10.50	0.00	0.13	-0.37	
04.22.2021	11:51:00	S	3413.43	W	359.21	59	59	4	187.74	22.00	54	10.52	0.00	0.13	-0.37	
04.22.2021	11:52:00	S	3413.43	W	358.99	57	58	8	187.54	21.96	50	10.51	0.00	0.12	3.62	
04.22.2021	11:53:00	S	3413.44	W	358.78	57	57	5	187.65	21.97	52	10.52	0.00	0.10	3.60	
04.22.2021	11:54:00	S	3413.44	W	358.58	57	57	6	187.85	22.01	50	10.52	0.00	0.16	3.67	
04.22.2021	11:55:00	S	3413.44	W	358.4	53	54	1	188.04	22.03	52	10.51	0.00	0.15	3.65	
04.22.2021	11:56:00	S	3413.44	W	358.14	56	57	1	187.96	21.97	54	10.52	0.00	0.14	3.67	
04.22.2021	11:57:00	S	3413.44	W	357.93	60	61	5	188.13	22.03	54	10.51	0.00	0.14	-0.35	
04.22.2021	11:58:00	S	3413.44	W	357.74	57	58	4	188.22	22.04	52	10.52	0.00	0.12	-0.37	
04.22.2021	11:59:00	S	3413.44	W	357.52	55	56	5	188.56	22.07	52	10.52	0.00	0.14	-0.37	
04.22.2021	12:00:00	S	3413.45	W	357.32	53	54	1	188.35	22.01	52	10.51	0.00	0.12	-0.39	
04.22.2021	12:00:57	S	3413.45	W	357.09	53	55	-2	188.59	22.05	55	10.49	0.00	0.15	-0.37	
04.22.2021	12:01:57	S	3413.45	W	356.91	56	57	2	188.74	22.06	54	10.52	0.00	0.13	-0.33	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	12:02:57	S	3413.44	W	356.67	58	60	1	188.74	22.10	57	10.51	0.00	0.13	3.76	
04.22.2021	12:03:57	S	3413.44	W	356.49	56	58	4	188.67	22.01	52	10.51	0.00	0.13	3.84	
04.22.2021	12:04:57	S	3413.45	W	356.26	56	58	5	188.48	22.03	51	10.51	0.00	0.14	3.84	
04.22.2021	12:05:57	S	3413.45	W	356.02	60	62	3	188.52	22.01	57	10.50	0.00	0.05	3.83	
04.22.2021	12:06:57	S	3413.45	W	355.83	56	60	-1	188.30	22.03	59	10.50	0.00	0.16	3.84	
04.22.2021	12:07:57	S	3413.46	W	355.63	58	60	-1	188.22	22.07	59	10.51	0.00	0.15	-0.37	
04.22.2021	12:08:57	S	3413.47	W	355.42	57	59	1	187.91	22.04	56	10.50	0.00	0.13	-0.36	
04.22.2021	12:09:57	S	3413.47	W	355.19	61	63	7	187.76	22.07	54	10.53	0.00	0.14	-0.38	
04.22.2021	12:11:03	S	3413.47	W	354.99	58	59	4	187.63	22.07	53	10.50	0.00	0.13	-0.39	
04.22.2021	12:12:03	S	3413.47	W	354.8	57	58	5	187.65	22.04	52	10.51	0.00	0.11	-0.36	
04.22.2021	12:13:03	S	3413.47	W	354.56	61	62	5	187.41	22.01	56	10.52	0.00	0.13	3.92	
04.22.2021	12:14:03	S	3413.47	W	354.34	57	58	-0	187.50	21.98	57	10.51	0.00	0.14	3.91	
04.22.2021	12:15:03	S	3413.48	W	354.15	60	62	1	187.52	22.01	60	10.51	0.00	0.14	3.91	
04.22.2021	12:16:03	S	3413.48	W	353.95	61	62	3	187.72	22.06	58	10.50	0.00	0.14	3.92	
04.22.2021	12:17:03	S	3413.48	W	353.72	61	62	6	187.65	22.04	55	10.51	0.00	0.15	3.88	
04.22.2021	12:18:03	S	3413.49	W	353.51	59	59	0	187.65	22.01	58	10.51	0.00	0.14	-0.37	
04.22.2021	12:19:03	S	3413.49	W	353.34	57	58	1	187.83	22.07	56	10.51	0.00	0.15	-0.36	
04.22.2021	12:20:03	S	3413.49	W	353.08	59	60	2	187.83	22.05	57	10.49	0.00	0.15	-0.37	
04.22.2021	12:21:00	S	3413.49	W	352.87	58	58	1	187.80	22.06	56	10.51	0.00	0.13	-0.34	
04.22.2021	12:22:00	S	3413.49	W	352.66	60	61	5	187.76	22.00	55	10.52	0.00	0.07	-0.35	
04.22.2021	12:23:00	S	3413.49	W	352.46	59	59	6	187.80	22.01	53	10.51	0.00	0.14	3.90	
04.22.2021	12:24:00	S	3413.49	W	352.27	57	59	5	188.04	22.01	53	10.52	0.00	0.12	3.97	
04.22.2021	12:25:00	S	3413.5	W	352.05	60	60	2	188.30	22.06	58	10.51	0.00	0.15	3.98	
04.22.2021	12:26:00	S	3413.51	W	351.85	60	60	1	188.35	22.08	59	10.52	0.00	0.15	3.97	
04.22.2021	12:27:00	S	3413.51	W	351.64	62	62	3	188.41	22.05	58	10.50	0.00	0.13	3.96	
04.22.2021	12:28:00	S	3413.52	W	351.42	59	60	4	188.32	22.05	55	10.53	0.00	0.14	3.94	
04.22.2021	12:29:00	S	3413.52	W	351.24	59	59	6	188.43	22.03	52	10.50	0.00	0.13	-0.37	
04.22.2021	12:30:00	S	3413.53	W	351.01	57	57	8	188.54	22.07	49	10.50	0.00	0.14	-0.39	
04.22.2021	12:30:57	S	3413.54	W	350.8	56	57	8	188.43	22.05	49	10.50	0.00	0.12	-0.38	
04.22.2021	12:31:57	S	3413.54	W	350.56	56	56	8	188.26	22.03	48	10.51	0.00	0.14	-0.37	
04.22.2021	12:32:57	S	3413.54	W	350.35	54	55	3	188.06	22.03	51	10.52	0.00	0.14	-0.35	
04.22.2021	12:33:57	S	3413.54	W	350.14	61	63	7	188.00	21.98	55	10.52	0.00	0.13	4.00	
04.22.2021	12:34:57	S	3413.54	W	349.91	54	55	4	188.26	22.05	50	10.52	0.00	0.12	3.98	
04.22.2021	12:35:57	S	3413.54	W	349.74	55	56	5	188.22	22.04	49	10.57	0.00	0.13	4.06	
04.22.2021	12:36:57	S	3413.54	W	349.51	56	57	3	187.91	21.98	53	10.50	0.00	0.14	4.06	
04.22.2021	12:37:57	S	3413.55	W	349.29	57	57	3	188.02	22.03	53	10.51	0.00	0.14	4.01	
04.22.2021	12:38:57	S	3413.56	W	349.05	56	57	2	188.00	22.00	54	10.51	0.00	0.14	-0.37	
04.22.2021	12:39:57	S	3413.57	W	348.86	53	54	1	187.96	22.00	51	10.50	0.00	0.14	-0.39	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	12:41:00	S	3413.57	W	348.65	58	60	-2	188.02	21.96	60	10.51	0.00	0.14	-0.38
04.22.2021	12:42:00	S	3413.58	W	348.42	58	61	2	188.32	22.00	56	10.50	0.00	0.13	-0.37
04.22.2021	12:43:00	S	3413.6	W	348.23	56	59	3	188.26	21.98	54	10.51	0.00	0.13	-0.37
04.22.2021	12:44:00	S	3413.62	W	348.02	57	59	0	188.22	21.93	57	10.51	0.00	0.12	4.04
04.22.2021	12:45:00	S	3413.64	W	347.81	56	57	-1	188.32	21.93	57	10.51	0.00	0.13	4.04
04.22.2021	12:46:00	S	3413.65	W	347.6	54	55	-1	188.37	21.98	55	10.51	0.00	0.15	4.06
04.22.2021	12:47:00	S	3413.66	W	347.37	58	60	-1	188.67	21.96	59	10.50	0.00	0.15	4.03
04.22.2021	12:48:00	S	3413.67	W	347.17	57	59	-1	188.85	21.96	59	10.52	0.00	0.15	4.09
04.22.2021	12:49:00	S	3413.68	W	346.95	60	62	4	188.85	21.95	57	10.50	0.00	0.14	-0.37
04.22.2021	12:50:00	S	3413.69	W	346.73	59	60	4	188.89	21.96	55	10.50	0.00	0.14	-0.37
04.22.2021	12:51:00	S	3413.7	W	346.52	63	64	6	188.89	21.91	56	10.51	0.00	0.13	-0.37
04.22.2021	12:52:00	S	3413.72	W	346.31	61	62	2	188.98	21.90	59	10.49	0.00	0.12	-0.37
04.22.2021	12:53:00	S	3413.73	W	346.11	62	63	-1	188.85	21.88	63	10.52	0.00	0.12	-0.39
04.22.2021	12:54:00	S	3413.75	W	345.86	61	63	-0	188.93	21.88	62	10.48	0.00	0.13	-0.36
04.22.2021	12:55:00	S	3413.77	W	345.67	60	62	2	188.87	21.90	58	10.51	0.00	0.11	4.06
04.22.2021	12:56:00	S	3413.79	W	345.44	57	59	4	188.74	21.86	53	10.52	0.00	0.14	4.10
04.22.2021	12:57:00	S	3413.8	W	345.23	58	60	5	188.59	21.84	55	10.51	0.00	-0.07	4.12
04.22.2021	12:58:00	S	3413.82	W	345.02	61	62	3	188.52	21.82	58	10.52	0.00	0.15	4.11
04.22.2021	12:59:00	S	3413.83	W	344.79	58	58	4	188.59	21.86	54	10.49	0.00	0.14	4.10
04.22.2021	13:00:00	S	3413.84	W	344.59	60	61	2	188.32	21.86	59	10.50	0.00	0.14	-0.36
04.22.2021	13:00:54	S	3413.86	W	344.39	58	58	0	188.11	21.83	58	10.51	0.00	0.14	-0.39
04.22.2021	13:01:54	S	3413.88	W	344.14	57	58	1	187.93	21.80	56	10.51	0.00	0.12	-0.37
04.22.2021	13:02:54	S	3413.9	W	343.94	57	58	1	187.93	21.88	54	10.51	0.00	0.14	-0.37
04.22.2021	13:03:54	S	3413.91	W	343.72	57	58	4	187.52	21.77	53	10.50	0.00	0.12	-0.36
04.22.2021	13:04:54	S	3413.93	W	343.52	57	57	4	187.59	21.84	53	10.49	0.00	0.14	4.15
04.22.2021	13:05:54	S	3413.94	W	343.28	57	59	1	187.43	21.80	58	10.51	0.00	0.12	4.13
04.22.2021	13:06:54	S	3413.95	W	343.09	60	60	3	187.33	21.77	57	10.51	0.00	0.15	4.16
04.22.2021	13:07:54	S	3413.97	W	342.88	56	56	2	187.43	21.80	53	10.51	0.00	0.17	4.18
04.22.2021	13:08:54	S	3413.99	W	342.65	56	57	2	187.48	21.77	54	10.49	0.00	0.14	4.19
04.22.2021	13:09:54	S	3414	W	342.46	58	58	5	187.41	21.80	52	10.50	0.00	0.15	-0.37
04.22.2021	13:10:54	S	3414.02	W	342.24	60	61	6	187.39	21.76	54	10.50	0.00	0.15	-0.37
04.22.2021	13:11:54	S	3414.05	W	342.01	58	58	3	187.65	21.80	55	10.52	0.00	0.14	-0.37
04.22.2021	13:12:54	S	3414.07	W	341.81	54	53	4	187.59	21.82	49	10.50	0.00	0.13	-0.38
04.22.2021	13:13:54	S	3414.09	W	341.62	52	52	3	187.52	21.79	48	10.51	0.00	0.11	-0.35
04.22.2021	13:14:54	S	3414.1	W	341.4	56	57	7	187.70	21.77	49	10.50	0.00	0.13	4.18
04.22.2021	13:15:54	S	3414.12	W	341.17	51	52	4	187.96	21.81	46	10.50	0.00	0.11	4.16
04.22.2021	13:16:54	S	3414.13	W	340.97	56	57	3	187.91	21.77	53	10.50	0.00	0.14	4.10
04.22.2021	13:17:54	S	3414.14	W	340.77	59	60	2	188.02	21.70	57	10.51	0.00	0.14	4.17

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	13:18:54	S	3414.15	W	340.53	58	59	-2	188.45	21.72	59	10.51	0.00	0.15	4.07	
04.22.2021	13:19:54	S	3414.18	W	340.29	55	57	1	188.45	21.74	55	10.50	0.00	0.15	-0.38	
04.22.2021	13:20:58	S	3414.2	W	340.1	55	56	-1	188.74	21.77	55	10.51	0.00	0.14	-0.38	
04.22.2021	13:21:58	S	3414.22	W	339.91	53	55	-2	188.43	21.71	55	10.51	0.00	0.14	-0.37	
04.22.2021	13:22:58	S	3414.23	W	339.67	55	57	3	188.59	21.70	52	10.51	0.00	0.13	-0.38	
04.22.2021	13:23:58	S	3414.23	W	339.47	57	59	2	188.63	21.67	56	10.51	0.00	0.12	-0.38	
04.22.2021	13:24:58	S	3414.24	W	339.23	61	63	-3	188.87	21.70	65	10.47	0.00	0.13	-0.36	
04.22.2021	13:25:58	S	3414.26	W	339.05	61	62	1	189.06	21.75	60	10.52	0.00	0.13	4.25	
04.22.2021	13:26:58	S	3414.27	W	338.81	58	60	-2	188.74	21.67	60	10.51	0.00	0.14	4.22	
04.22.2021	13:27:58	S	3414.28	W	338.61	63	64	4	188.87	21.64	59	10.51	0.00	0.15	4.24	
04.22.2021	13:28:58	S	3414.28	W	338.4	62	64	5	189.30	21.80	57	10.51	0.00	0.14	4.22	
04.22.2021	13:29:58	S	3414.29	W	338.2	63	64	2	188.95	21.70	61	10.51	0.00	0.15	4.20	
04.22.2021	13:31:02	S	3414.3	W	337.98	64	64	1	188.93	21.71	61	10.50	0.00	0.14	-0.39	
04.22.2021	13:32:02	S	3414.31	W	337.77	62	63	2	188.76	21.74	61	10.50	0.00	0.14	-0.38	
04.22.2021	13:33:02	S	3414.32	W	337.57	62	63	2	188.32	21.66	59	10.51	0.00	0.13	-0.36	
04.22.2021	13:34:02	S	3414.33	W	337.36	58	59	-1	188.24	21.69	59	10.51	0.00	0.14	-0.39	
04.22.2021	13:35:02	S	3414.34	W	337.16	61	62	6	188.26	21.72	55	10.51	0.00	0.13	-0.36	
04.22.2021	13:36:02	S	3414.34	W	336.95	59	60	3	187.91	21.62	55	10.52	0.00	0.13	4.22	
04.22.2021	13:37:02	S	3414.34	W	336.72	61	62	2	188.04	21.67	59	10.52	0.00	0.12	4.22	
04.22.2021	13:38:02	S	3414.33	W	336.51	64	65	0	187.61	21.61	63	10.51	0.00	0.14	4.23	
04.22.2021	13:39:02	S	3414.33	W	336.32	60	61	-3	187.70	21.64	62	10.52	0.00	0.14	4.25	
04.22.2021	13:40:02	S	3414.34	W	336.11	66	66	4	187.70	21.64	61	10.52	0.00	0.16	4.26	
04.22.2021	13:41:02	S	3414.34	W	335.88	60	61	1	187.54	21.60	59	10.50	0.00	0.14	-0.37	
04.22.2021	13:42:02	S	3414.34	W	335.67	60	61	4	187.54	21.65	55	10.50	0.00	0.12	-0.38	
04.22.2021	13:43:02	S	3414.34	W	335.45	62	63	8	187.61	21.65	54	10.51	0.00	0.13	-0.38	
04.22.2021	13:44:02	S	3414.34	W	335.23	60	60	5	187.59	21.64	55	10.51	0.00	0.13	-0.37	
04.22.2021	13:45:02	S	3414.34	W	335.05	60	60	4	187.74	21.64	55	10.51	0.00	0.13	-0.36	
04.22.2021	13:46:02	S	3414.35	W	334.82	58	59	5	187.30	21.55	54	10.51	0.00	0.12	4.16	
04.22.2021	13:47:02	S	3414.35	W	334.6	56	56	4	187.72	21.63	52	10.51	0.00	0.13	4.13	
04.22.2021	13:48:02	S	3414.34	W	334.38	56	57	3	187.76	21.60	53	10.51	0.00	0.14	4.22	
04.22.2021	13:49:02	S	3414.34	W	334.17	55	55	5	187.70	21.55	50	10.50	0.00	0.14	4.23	
04.22.2021	13:50:02	S	3414.34	W	333.96	56	57	4	187.93	21.61	52	10.50	0.00	0.14	4.20	
04.22.2021	13:50:59	S	3414.34	W	333.94	-5	0	-3	186.89	21.76	-2	10.50	0.00	0.14	3.10	
04.22.2021	13:51:59	S	3414.35	W	333.54	-6	-5	-5	181.66	21.84	-4	10.51	0.00	0.14	-0.37	
04.22.2021	13:52:59	S	3414.35	W	333.33	-4	-3	-1	177.37	21.93	-3	10.50	0.00	0.15	-0.37	
04.22.2021	13:53:59	S	3414.34	W	333.12	0	1	-1	173.57	21.95	1	10.51	0.00	0.15	0.08	
04.22.2021	13:54:59	S	3414.34	W	332.92	-8	-5	-2	170.99	21.97	-3	10.50	0.00	0.13	-0.37	
04.22.2021	13:55:59	S	3414.35	W	332.7	30	31	-3	172.55	21.80	33	10.51	0.00	0.14	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	13:56:59	S	3414.35	W	332.7	-11	-10	-5	171.83	21.59	-7	10.51	0.00	0.11	8.81	
04.22.2021	13:57:59	S	3414.35	W	332.27	-10	-9	1	147.33	21.50	-10	10.50	0.00	0.10	9.74	
04.22.2021	13:58:59	S	3414.35	W	332.23	-5	-4	-2	124.39	21.49	-2	10.50	0.00	0.15	1.13	
04.22.2021	13:59:59	S	3414.36	W	331.87	-5	-3	-3	120.12	21.55	-2	10.50	0.00	0.14	-0.33	
04.22.2021	14:00:54	S	3414.36	W	331.8	-5	-4	-3	123.44	21.56	-4	10.50	0.00	0.17	-0.38	
04.22.2021	14:01:54	S	3414.36	W	331.46	-5	-4	-3	127.34	21.56	-2	10.51	0.00	0.15	-0.34	
04.22.2021	14:02:54	S	3414.36	W	331.24	-7	-4	-5	129.73	21.56	-1	10.51	0.00	0.16	-0.34	
04.22.2021	14:03:54	S	3414.36	W	331.03	-9	-5	-4	131.36	21.65	-2	10.50	0.00	0.15	-0.36	
04.22.2021	14:04:54	S	3414.37	W	330.91	-8	0	-5	132.12	21.69	-3	10.51	0.00	0.15	-0.35	
04.22.2021	14:05:54	S	3414.38	W	330.62	-6	-4	-4	132.75	21.76	-2	10.50	0.00	0.17	-0.36	
04.22.2021	14:06:54	S	3414.38	W	330.39	-8	-6	-5	133.22	21.98	-2	10.50	0.00	0.15	-0.36	
04.22.2021	14:07:54	S	3414.39	W	330.2	-7	-4	-6	133.05	22.03	-0	10.51	0.00	0.15	-0.36	
04.22.2021	14:08:54	S	3414.39	W	330.12	-5	-4	-1	132.79	22.14	-4	10.51	0.00	0.13	-0.36	
04.22.2021	14:09:54	S	3414.4	W	329.78	-5	0	-3	132.60	22.29	-2	10.51	0.00	0.14	-0.36	
04.22.2021	14:10:54	S	3414.4	W	329.78	-5	-4	-2	132.40	22.48	-3	10.50	0.00	0.14	-0.36	
04.22.2021	14:11:54	S	3414.4	W	329.4	-4	-3	-2	131.68	22.50	-2	10.50	0.00	0.13	2.34	
04.22.2021	14:12:54	S	3414.4	W	329.4	-4	-4	-1	131.40	22.69	-4	10.51	0.00	0.16	1.56	
04.22.2021	14:13:54	S	3414.42	W	329.02	-7	0	-4	130.95	22.79	-3	10.51	0.00	0.15	0.91	
04.22.2021	14:14:54	S	3414.42	W	329.02	-6	-5	-4	130.06	22.86	-3	10.51	0.00	0.18	0.37	
04.22.2021	14:15:54	S	3414.42	W	328.65	-8	-7	-4	129.62	22.99	-4	10.50	0.00	0.16	0.12	
04.22.2021	14:16:54	S	3414.42	W	328.24	-9	-8	-7	128.78	23.03	-2	10.51	0.00	0.16	0.04	
04.22.2021	14:17:54	S	3414.42	W	328.03	-8	-7	-5	128.21	23.14	-3	10.51	0.00	0.16	-0.35	
04.22.2021	14:20:13	S	3414.42	W	327.95	-9	0	-6	126.63	23.39	-3	10.50	0.00	0.15	0.41	
04.22.2021	14:21:13	S	3414.44	W	327.33	-8	-7	-5	125.82	23.39	-3	10.51	0.00	0.17	-0.19	
04.22.2021	14:22:13	S	3414.44	W	327.29	-6	0	-4	125.26	23.48	-3	10.51	0.00	0.17	0.38	
04.22.2021	14:23:13	S	3414.44	W	326.91	-8	-6	-5	124.52	23.52	-2	10.51	0.00	0.15	0.31	
04.22.2021	14:24:13	S	3414.44	W	326.69	-7	-6	-5	123.81	23.56	-2	10.51	0.00	0.16	0.51	
04.22.2021	14:25:13	S	3414.45	W	326.48	-9	-8	-6	123.16	23.65	-3	10.50	0.00	0.15	0.94	
04.22.2021	14:26:13	S	3414.45	W	326.25	-7	-6	-5	122.48	23.77	-2	10.51	0.00	0.14	1.17	
04.22.2021	14:28:46	S	3414.46	W	326.12	-8	-7	-6	120.64	23.99	-2	10.50	0.00	0.14	-0.34	
04.22.2021	14:29:46	S	3414.46	W	325.51	-8	-7	-7	120.10	24.49	-1	10.51	0.00	0.15	-0.35	
04.22.2021	14:30:46	S	3414.46	W	325.29	-3	-3	-6	119.51	24.34	2	10.51	0.00	0.14	7.99	
04.22.2021	14:31:46	S	3414.46	W	325.07	20	22	2	119.75	23.70	19	10.51	0.00	0.14	5.12	
04.22.2021	14:32:46	S	3414.47	W	324.84	61	62	2	132.27	22.95	58	10.52	0.00	0.14	-0.36	
04.22.2021	14:33:46	S	3414.48	W	324.64	92	92	4	144.08	22.42	87	10.50	0.00	0.09	-0.37	
04.22.2021	14:34:46	S	3414.48	W	324.45	57	58	1	152.19	22.05	56	10.51	0.00	0.12	-0.38	
04.22.2021	14:35:46	S	3414.49	W	324.24	62	64	4	157.07	21.90	58	10.51	0.00	0.13	-0.38	
04.22.2021	14:36:46	S	3414.49	W	324	60	61	5	161.00	21.89	55	10.50	0.00	0.16	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	14:37:46	S	3414.5	W	323.82	59	60	4	163.56	21.83	55	10.51	0.00	0.16	-0.35	
04.22.2021	14:38:46	S	3414.51	W	323.72	56	57	3	165.78	21.87	53	10.51	0.00	0.18	1.57	
04.22.2021	14:39:46	S	3414.51	W	323.37	63	63	0	167.60	21.79	62	10.52	0.00	0.16	1.72	
04.22.2021	14:40:46	S	3414.51	W	323.16	61	61	4	169.97	21.77	57	10.52	0.00	0.16	1.90	
04.22.2021	14:41:46	S	3414.52	W	322.97	57	59	-1	171.31	21.77	59	10.52	0.00	0.14	1.37	
04.22.2021	14:42:46	S	3414.53	W	322.77	57	58	0	172.61	21.87	55	10.50	0.00	0.15	0.72	
04.22.2021	14:43:46	S	3414.54	W	322.55	59	60	5	173.59	21.87	54	10.52	0.00	0.15	-0.35	
04.22.2021	14:44:46	S	3414.55	W	322.34	59	59	5	174.54	21.86	54	10.52	0.00	0.14	-0.37	
04.22.2021	14:45:46	S	3414.56	W	322.11	57	58	-0	175.43	21.84	57	10.53	0.00	0.14	-0.36	
04.22.2021	14:46:46	S	3414.56	W	321.92	61	62	0	176.13	21.84	61	10.50	0.00	0.15	-0.35	
04.22.2021	14:47:46	S	3414.59	W	321.68	57	56	3	177.06	21.93	54	10.51	0.00	0.14	-0.37	
04.22.2021	14:48:51	S	3414.61	W	321.46	54	54	2	177.37	21.94	52	10.50	0.00	0.15	0.67	
04.22.2021	14:49:51	S	3414.63	W	321.27	54	54	3	177.37	21.80	51	10.51	0.00	0.16	0.81	
04.22.2021	14:50:51	S	3414.65	W	321.06	53	54	2	177.80	21.83	51	10.53	0.00	0.14	0.84	
04.22.2021	14:51:51	S	3414.67	W	320.85	54	54	6	178.08	21.88	47	10.52	0.00	0.14	0.76	
04.22.2021	14:52:51	S	3414.69	W	320.63	55	55	4	178.52	21.93	50	10.53	0.00	0.15	0.66	
04.22.2021	14:53:51	S	3414.71	W	320.42	53	53	2	178.43	21.82	51	10.51	0.00	0.14	-0.36	
04.22.2021	14:54:51	S	3414.74	W	320.18	51	51	0	179.08	21.93	50	10.51	0.00	0.14	-0.37	
04.22.2021	14:55:51	S	3414.76	W	319.98	53	54	2	179.17	21.90	52	10.50	0.00	0.15	-0.38	
04.22.2021	14:56:51	S	3414.78	W	319.77	53	54	3	179.56	21.91	50	10.52	0.00	0.16	-0.36	
04.22.2021	14:57:51	S	3414.8	W	319.56	53	54	6	179.86	21.89	47	10.50	0.00	0.16	-0.36	
04.22.2021	14:58:50	S	3414.83	W	319.35	52	54	-1	180.25	21.90	53	10.50	0.00	0.15	0.60	
04.22.2021	14:59:50	S	3414.85	W	319.15	52	54	-2	180.51	21.88	54	10.52	0.00	0.14	0.70	
04.22.2021	15:00:50	S	3414.87	W	318.91	59	59	4	181.12	21.96	54	10.52	0.00	0.14	0.51	
04.22.2021	15:01:50	S	3414.9	W	318.69	56	58	0	181.45	21.94	56	10.51	0.00	0.15	0.42	
04.22.2021	15:02:50	S	3414.92	W	318.5	57	58	3	181.73	21.88	54	10.50	0.00	0.17	0.38	
04.22.2021	15:03:50	S	3414.94	W	318.28	57	59	0	181.97	21.89	57	10.50	0.00	0.15	0.70	
04.22.2021	15:04:50	S	3414.96	W	318.05	57	59	-2	182.42	21.95	59	10.51	0.00	0.15	-0.37	
04.22.2021	15:05:50	S	3414.98	W	317.85	57	58	1	182.68	21.98	56	10.54	0.00	0.15	-0.36	
04.22.2021	15:06:50	S	3415.01	W	317.62	56	58	-5	182.77	21.94	61	10.52	0.00	0.16	-0.37	
04.22.2021	15:07:50	S	3415.03	W	317.4	54	56	2	182.83	21.93	53	10.51	0.00	0.15	-0.37	
04.22.2021	15:08:54	S	3415.03	W	317.21	56	58	1	182.90	21.89	56	10.51	0.00	0.14	-0.36	
04.22.2021	15:09:54	S	3415.04	W	316.99	60	61	7	183.40	21.96	54	10.52	0.00	0.15	0.74	
04.22.2021	15:10:54	S	3415.04	W	316.75	68	68	4	183.42	21.90	63	10.50	0.00	0.12	0.80	
04.22.2021	15:11:54	S	3415.05	W	316.57	62	63	6	183.70	22.00	56	10.52	0.00	0.15	1.09	
04.22.2021	15:12:54	S	3415.07	W	316.35	61	61	2	183.94	22.00	59	10.51	0.00	0.15	0.70	
04.22.2021	15:13:54	S	3415.09	W	316.13	59	59	3	183.59	21.93	56	10.52	0.00	0.17	0.55	
04.22.2021	15:14:54	S	3415.11	W	315.93	58	59	-1	183.70	21.95	59	10.49	0.00	0.17	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	15:15:54	S	3415.12	W	315.7	60	60	1	183.62	21.93	59	10.51	0.00	0.14	-0.36	
04.22.2021	15:16:54	S	3415.13	W	315.5	58	59	0	183.66	21.95	58	10.51	0.00	0.16	-0.35	
04.22.2021	15:17:54	S	3415.14	W	315.27	61	62	3	183.57	21.93	56	10.51	0.00	0.15	-0.37	
04.22.2021	15:18:53	S	3415.15	W	315.09	63	64	4	183.51	21.93	59	10.52	0.00	0.18	-0.34	
04.22.2021	15:19:53	S	3415.17	W	314.87	61	62	3	183.42	21.93	58	10.51	0.00	0.15	1.33	
04.22.2021	15:20:53	S	3415.19	W	314.66	53	54	0	183.53	21.91	53	10.50	0.00	0.15	0.91	
04.22.2021	15:21:53	S	3415.2	W	314.43	53	55	0	183.66	21.93	53	10.52	0.00	0.16	0.59	
04.22.2021	15:22:53	S	3415.21	W	314.23	56	57	2	183.62	21.89	53	10.50	0.00	0.14	0.51	
04.22.2021	15:23:53	S	3415.22	W	314	52	54	2	183.79	21.93	50	10.51	0.00	0.15	0.52	
04.22.2021	15:24:53	S	3415.23	W	313.8	58	59	5	183.92	21.90	53	10.51	0.00	0.16	-0.35	
04.22.2021	15:25:53	S	3415.25	W	313.61	55	56	6	184.20	21.94	50	10.50	0.00	0.16	-0.38	
04.22.2021	15:26:53	S	3415.26	W	313.38	51	51	3	184.18	21.93	48	10.51	0.00	0.16	-0.36	
04.22.2021	15:27:53	S	3415.26	W	313.16	60	61	4	184.14	21.80	56	10.50	0.00	0.15	-0.34	
04.22.2021	15:28:47	S	3415.27	W	312.94	61	61	2	184.31	21.81	58	10.50	0.00	0.15	-0.35	
04.22.2021	15:29:48	S	3415.29	W	312.69	52	53	3	184.48	21.86	49	10.52	0.00	0.15	-0.36	
04.22.2021	15:30:48	S	3415.31	W	312.49	57	58	1	184.64	21.88	56	10.51	0.00	0.13	0.69	
04.22.2021	15:31:48	S	3415.32	W	312.3	56	56	1	184.66	21.93	55	10.51	0.00	0.15	0.71	
04.22.2021	15:32:48	S	3415.34	W	312.07	50	52	0	184.70	21.93	50	10.50	0.00	0.17	0.68	
04.22.2021	15:33:48	S	3415.34	W	311.87	55	57	1	184.66	21.86	55	10.50	0.00	0.15	0.62	
04.22.2021	15:34:48	S	3415.35	W	311.63	55	56	5	184.77	21.89	51	10.50	0.00	0.16	0.74	
04.22.2021	15:35:48	S	3415.36	W	311.4	53	55	1	185.11	21.98	53	10.52	0.00	0.14	-0.34	
04.22.2021	15:36:48	S	3415.38	W	311.21	57	59	1	185.00	21.93	56	10.51	0.00	0.16	-0.37	
04.22.2021	15:37:48	S	3415.39	W	310.98	53	55	-0	184.77	21.91	54	10.50	0.00	0.15	-0.36	
04.22.2021	15:38:50	S	3415.4	W	310.77	54	56	3	184.77	21.89	51	10.50	0.00	0.15	-0.36	
04.22.2021	15:39:50	S	3415.4	W	310.53	56	57	4	184.51	21.83	52	10.52	0.00	0.15	-0.35	
04.22.2021	15:40:50	S	3415.41	W	310.33	55	55	6	184.72	21.90	49	10.51	0.00	0.13	1.30	
04.22.2021	15:41:50	S	3415.41	W	310.09	52	54	3	184.94	21.94	48	10.50	0.00	0.18	0.91	
04.22.2021	15:42:50	S	3415.42	W	309.88	57	57	0	185.00	21.93	56	10.52	0.00	0.17	0.82	
04.22.2021	15:43:50	S	3415.42	W	309.65	51	51	0	184.92	21.91	50	10.50	0.00	0.15	0.69	
04.22.2021	15:44:50	S	3415.43	W	309.46	56	58	1	185.13	21.91	56	10.51	0.00	0.15	0.62	
04.22.2021	15:45:50	S	3415.43	W	309.23	58	59	-1	185.05	21.84	59	10.52	0.00	0.15	-0.36	
04.22.2021	15:46:50	S	3415.43	W	308.99	57	58	2	185.53	21.93	55	10.52	0.00	0.15	-0.36	
04.22.2021	15:47:50	S	3415.44	W	308.79	57	59	-2	185.44	21.84	60	10.51	0.00	0.17	-0.37	
04.22.2021	15:48:49	S	3415.44	W	308.55	57	58	1	185.74	21.91	57	10.50	0.00	0.12	-0.36	
04.22.2021	15:49:49	S	3415.45	W	308.35	52	54	1	185.46	21.82	52	10.51	0.00	0.16	-0.36	
04.22.2021	15:50:49	S	3415.45	W	308.13	57	59	3	185.83	21.87	54	10.51	0.00	0.14	0.66	
04.22.2021	15:51:49	S	3415.45	W	307.91	56	57	3	186.00	21.87	52	10.50	0.00	0.16	0.61	
04.22.2021	15:52:49	S	3415.46	W	307.7	50	52	3	185.83	21.80	48	10.50	0.00	0.14	0.64	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	15:53:49	S	3415.46	W	307.48	59	60	4	186.15	21.87	55	10.50	0.00	0.16	0.73	
04.22.2021	15:54:49	S	3415.46	W	307.24	57	58	4	186.05	21.81	53	10.49	0.00	0.13	0.68	
04.22.2021	15:55:49	S	3415.46	W	307.02	51	54	4	186.24	21.82	47	10.50	0.00	0.15	0.66	
04.22.2021	15:56:49	S	3415.46	W	306.81	58	58	-1	186.39	21.87	58	10.50	0.00	0.15	-0.36	
04.22.2021	15:57:49	S	3415.47	W	306.57	58	58	1	186.37	21.87	57	10.50	0.00	0.14	-0.36	
04.22.2021	15:58:50	S	3415.47	W	306.37	51	53	-4	186.20	21.77	55	10.52	0.00	0.15	-0.35	
04.22.2021	15:59:50	S	3415.47	W	306.14	57	59	2	186.41	21.87	55	10.50	0.00	0.15	-0.36	
04.22.2021	16:00:50	S	3415.48	W	305.9	53	53	0	186.35	21.90	52	10.51	0.00	0.15	-0.34	
04.22.2021	16:01:50	S	3415.48	W	305.69	51	52	0	186.00	21.84	51	10.51	0.00	0.17	0.66	
04.22.2021	16:02:50	S	3415.48	W	305.45	58	59	1	185.87	21.85	57	10.51	0.00	0.15	0.71	
04.22.2021	16:03:50	S	3415.49	W	305.24	53	54	2	185.37	21.77	51	10.51	0.00	0.14	0.79	
04.22.2021	16:04:50	S	3415.49	W	305.01	49	51	0	185.37	21.83	48	10.51	0.00	0.14	0.75	
04.22.2021	16:05:50	S	3415.5	W	304.8	56	58	5	185.03	21.71	52	10.49	0.00	0.14	0.51	
04.22.2021	16:06:50	S	3415.5	W	304.55	53	54	2	185.07	21.76	52	10.51	0.00	0.16	-0.36	
04.22.2021	16:07:50	S	3415.51	W	304.37	53	55	2	185.33	21.83	52	10.52	0.00	0.14	-0.35	
04.22.2021	16:08:54	S	3415.52	W	304.11	56	56	5	185.22	21.77	51	10.50	0.00	0.15	-0.35	
04.22.2021	16:09:54	S	3415.53	W	303.87	51	51	5	185.13	21.77	46	10.52	0.00	0.15	-0.36	
04.22.2021	16:10:54	S	3415.53	W	303.7	51	53	2	185.07	21.77	49	10.52	0.00	0.15	-0.36	
04.22.2021	16:11:54	S	3415.53	W	303.45	57	58	2	185.37	21.84	55	10.51	0.00	0.15	1.46	
04.22.2021	16:12:54	S	3415.53	W	303.25	51	52	2	185.33	21.77	50	10.49	0.00	0.15	1.15	
04.22.2021	16:13:54	S	3415.54	W	303	54	56	-1	185.33	21.74	55	10.52	0.00	0.15	0.70	
04.22.2021	16:14:54	S	3415.55	W	302.78	54	54	0	185.53	21.79	53	10.50	0.00	0.17	0.57	
04.22.2021	16:15:54	S	3415.56	W	302.56	48	48	4	185.66	21.80	44	10.51	0.00	0.16	1.14	
04.22.2021	16:16:54	S	3415.57	W	302.33	51	54	-1	185.48	21.75	52	10.52	0.00	0.18	-0.35	
04.22.2021	16:17:54	S	3415.57	W	302.1	55	56	-1	185.79	21.79	56	10.51	0.00	0.15	-0.34	
04.22.2021	16:18:52	S	3415.57	W	301.9	54	55	3	186.05	21.85	52	10.51	0.00	0.14	-0.36	
04.22.2021	16:19:52	S	3415.58	W	301.64	53	55	2	185.98	21.84	51	10.52	0.00	0.13	-0.36	
04.22.2021	16:20:52	S	3415.59	W	301.42	53	56	4	185.79	21.79	51	10.51	0.00	0.17	-0.35	
04.22.2021	16:21:52	S	3415.6	W	301.21	51	52	5	185.89	21.81	46	10.51	0.00	0.14	-0.38	
04.22.2021	16:22:52	S	3415.6	W	301	55	57	3	185.79	21.77	53	10.50	0.00	0.15	0.58	
04.22.2021	16:23:52	S	3415.61	W	300.8	56	57	4	185.87	21.77	52	10.51	0.00	0.16	0.59	
04.22.2021	16:24:52	S	3415.61	W	300.54	54	54	3	185.83	21.72	50	10.51	0.00	0.16	1.15	
04.22.2021	16:25:52	S	3415.62	W	300.34	58	59	7	186.09	21.86	51	10.50	0.00	0.15	0.76	
04.22.2021	16:26:52	S	3415.63	W	300.12	54	54	-0	185.89	21.87	54	10.48	0.00	0.18	0.59	
04.22.2021	16:27:52	S	3415.64	W	259.86	50	51	-3	185.59	21.80	53	10.50	0.00	0.17	-0.36	
04.22.2021	16:28:51	S	3415.64	W	259.66	56	57	1	185.53	21.79	55	10.51	0.00	0.15	-0.36	
04.22.2021	16:29:51	S	3415.65	W	259.43	53	53	1	185.57	21.81	51	10.50	0.00	0.16	-0.36	
04.22.2021	16:30:51	S	3415.66	W	259.19	50	52	-1	185.68	21.81	51	10.52	0.00	0.15	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	16:31:51	S	3415.67	W	258.99	56	58	-1	185.76	21.83	57	10.50	0.00	0.15	-0.38	
04.22.2021	16:32:51	S	3415.67	W	258.74	54	54	6	185.94	21.86	48	10.50	0.00	0.15	0.66	
04.22.2021	16:33:51	S	3415.68	W	258.55	52	55	2	185.85	21.86	51	10.49	0.00	0.17	0.68	
04.22.2021	16:34:51	S	3415.69	W	258.33	57	58	4	186.07	21.89	53	10.49	0.00	0.15	0.67	
04.22.2021	16:35:51	S	3415.7	W	258.07	53	53	7	185.94	21.86	46	10.50	0.00	0.14	0.90	
04.22.2021	16:36:51	S	3415.71	W	257.86	53	55	0	185.87	21.83	52	10.51	0.00	0.17	0.68	
04.22.2021	16:37:51	S	3415.72	W	257.62	60	61	2	186.09	21.83	58	10.50	0.00	0.16	-0.36	
04.22.2021	16:38:53	S	3415.73	W	257.42	51	52	1	186.24	21.84	50	10.52	0.00	0.16	-0.36	
04.22.2021	16:39:53	S	3415.74	W	257.17	58	60	1	186.61	21.97	57	10.51	0.00	0.14	-0.35	
04.22.2021	16:40:53	S	3415.75	W	256.97	57	58	-2	186.35	21.83	58	10.51	0.00	0.15	-0.34	
04.22.2021	16:41:53	S	3415.75	W	256.83	49	50	-0	186.57	21.90	50	10.51	0.00	0.29	-0.35	
04.22.2021	16:42:53	S	3415.75	W	256.83	54	56	-1	186.50	21.87	55	10.51	0.00	0.14	0.64	
04.22.2021	16:43:53	S	3415.76	W	256.4	54	55	0	186.65	21.84	53	10.50	0.00	0.14	0.64	
04.22.2021	16:44:53	S	3415.76	W	256.4	49	49	0	186.59	21.88	48	10.50	0.00	0.15	0.60	
04.22.2021	16:45:53	S	3415.79	W	255.83	53	54	-2	186.50	21.88	54	10.52	0.00	0.14	0.60	
04.22.2021	16:46:53	S	3415.79	W	255.64	53	54	-1	186.31	21.82	54	10.51	0.00	0.15	0.59	
04.22.2021	16:47:53	S	3415.8	W	255.41	48	49	1	186.37	21.87	47	10.50	0.00	0.15	0.59	
04.22.2021	16:48:46	S	3415.81	W	255.13	54	56	4	186.31	21.89	51	10.50	0.00	0.15	-0.37	
04.22.2021	16:49:46	S	3415.82	W	254.93	53	55	3	185.85	21.77	50	10.52	0.00	0.16	-0.35	
04.22.2021	16:50:46	S	3415.82	W	254.72	49	51	3	185.87	21.80	48	10.51	0.00	0.15	-0.35	
04.22.2021	16:51:46	S	3415.83	W	254.49	55	56	3	185.48	21.75	52	10.50	0.00	0.14	-0.37	
04.22.2021	16:52:46	S	3415.84	W	254.26	54	53	3	185.26	21.74	50	10.51	0.00	0.16	-0.36	
04.22.2021	16:53:46	S	3415.85	W	254.03	46	48	3	185.33	21.80	44	10.52	0.00	0.15	0.75	
04.22.2021	16:54:46	S	3415.86	W	253.83	57	58	4	185.18	21.77	53	10.51	0.00	0.15	0.72	
04.22.2021	16:55:46	S	3415.86	W	253.59	56	57	3	185.37	21.81	52	10.52	0.00	0.17	0.71	
04.22.2021	16:56:46	S	3415.86	W	253.35	52	54	3	185.22	21.73	49	10.50	0.00	0.16	0.73	
04.22.2021	16:57:46	S	3415.87	W	253.16	56	57	2	185.59	21.86	55	10.52	0.00	0.15	0.71	
04.22.2021	16:58:46	S	3415.88	W	252.93	51	52	3	185.53	21.81	49	10.51	0.00	0.16	-0.38	
04.22.2021	16:59:46	S	3415.89	W	252.67	50	51	-1	185.44	21.77	51	10.50	0.00	0.14	-0.38	
04.22.2021	17:00:46	S	3415.91	W	252.48	57	58	3	186.00	21.88	53	10.50	0.00	0.14	-0.36	
04.22.2021	17:01:46	S	3415.92	W	252.24	50	51	5	185.76	21.86	45	10.52	0.00	0.14	-0.35	
04.22.2021	17:02:46	S	3415.93	W	252.02	50	52	-0	185.87	21.85	50	10.49	0.00	0.15	-0.34	
04.22.2021	17:03:46	S	3415.95	W	251.8	52	54	4	185.72	21.80	49	10.50	0.00	0.15	0.72	
04.22.2021	17:04:46	S	3415.96	W	251.56	51	51	5	186.00	21.82	45	10.51	0.00	0.15	0.71	
04.22.2021	17:05:46	S	3415.97	W	251.35	51	53	-1	185.94	21.80	52	10.50	0.00	0.15	0.73	
04.22.2021	17:06:46	S	3415.98	W	251.13	57	58	4	186.26	21.86	53	10.52	0.00	0.16	0.73	
04.22.2021	17:07:46	S	3415.99	W	250.89	53	53	5	186.26	21.83	47	10.51	0.00	0.13	0.77	
04.22.2021	17:08:51	S	3416	W	250.66	54	56	-1	186.48	21.84	55	10.51	0.00	0.14	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	17:09:51	S	3416.01	W	250.45	55	56	2	186.55	21.87	53	10.50	0.00	0.16	-0.37	
04.22.2021	17:10:51	S	3416.02	W	250.24	48	49	0	186.61	21.91	48	10.51	0.00	0.15	-0.36	
04.22.2021	17:11:51	S	3416.03	W	250.04	52	53	-3	186.48	21.86	55	10.51	0.00	0.15	-0.34	
04.22.2021	17:12:51	S	3416.04	W	249.77	56	57	1	186.28	21.79	55	10.50	0.00	0.15	-0.36	
04.22.2021	17:13:51	S	3416.04	W	249.57	53	56	2	186.46	21.87	53	10.52	0.00	0.15	-0.35	
04.22.2021	17:14:51	S	3416.05	W	249.35	55	57	-3	186.07	21.80	58	10.51	0.00	0.15	0.73	
04.22.2021	17:15:51	S	3416.07	W	249.11	55	56	-0	185.96	21.84	54	10.51	0.00	0.15	-0.36	
04.22.2021	17:16:51	S	3416.08	W	248.93	50	51	2	185.87	21.84	47	10.51	0.00	0.04	1.04	
04.22.2021	17:17:51	S	3416.09	W	248.72	56	58	4	185.66	21.81	52	10.51	0.00	0.16	0.79	
04.22.2021	17:18:45	S	3416.09	W	248.47	56	57	5	185.85	21.87	52	10.52	0.00	0.15	0.73	
04.22.2021	17:19:45	S	3416.1	W	248.23	52	53	3	185.85	21.84	49	10.51	0.00	0.15	-0.37	
04.22.2021	17:20:45	S	3416.11	W	248.05	55	55	-0	185.66	21.80	55	10.51	0.00	0.16	-0.36	
04.22.2021	17:21:45	S	3416.12	W	247.82	55	56	5	185.68	21.79	50	10.51	0.00	0.15	-0.36	
04.22.2021	17:22:45	S	3416.12	W	247.62	53	54	1	185.79	21.76	53	10.52	0.00	0.15	-0.38	
04.22.2021	17:23:45	S	3416.13	W	247.42	58	58	2	185.98	21.82	57	10.49	0.00	0.15	-0.35	
04.22.2021	17:24:45	S	3416.14	W	247.17	55	56	1	185.72	21.72	54	10.52	0.00	0.15	0.78	
04.22.2021	17:25:45	S	3416.15	W	246.95	51	54	3	185.85	21.73	46	10.51	0.00	0.15	0.76	
04.22.2021	17:26:45	S	3416.16	W	246.75	57	58	4	186.05	21.76	53	10.51	0.00	0.14	1.53	
04.22.2021	17:27:45	S	3416.18	W	246.51	54	54	3	185.87	21.74	51	10.52	0.00	0.16	1.07	
04.22.2021	17:28:50	S	3416.19	W	246.29	53	55	2	186.05	21.77	52	10.51	0.00	0.15	0.86	
04.22.2021	17:29:50	S	3416.2	W	246.07	56	57	-2	185.96	21.71	58	10.51	0.00	0.15	-0.37	
04.22.2021	17:30:50	S	3416.21	W	245.85	52	52	4	186.20	21.77	48	10.51	0.00	0.15	-0.36	
04.22.2021	17:31:50	S	3416.22	W	245.63	49	52	-0	186.05	21.67	50	10.51	0.00	0.15	-0.36	
04.22.2021	17:32:50	S	3416.23	W	245.45	57	57	4	186.24	21.73	52	10.51	0.00	0.14	-0.34	
04.22.2021	17:33:50	S	3416.24	W	245.21	55	56	3	186.13	21.64	52	10.50	0.00	0.14	-0.37	
04.22.2021	17:34:50	S	3416.25	W	245.02	52	54	1	186.48	21.73	52	10.50	0.00	0.14	0.84	
04.22.2021	17:35:50	S	3416.26	W	244.78	56	58	2	186.31	21.70	54	10.51	0.00	0.15	1.42	
04.22.2021	17:36:50	S	3416.28	W	244.53	52	53	8	186.41	21.73	44	10.51	0.00	0.14	1.03	
04.22.2021	17:37:50	S	3416.29	W	244.35	50	52	-0	186.18	21.67	51	10.51	0.00	0.16	0.80	
04.22.2021	17:38:47	S	3416.3	W	244.13	59	59	5	186.13	21.64	54	10.51	0.00	0.15	0.73	
04.22.2021	17:39:47	S	3416.31	W	243.91	58	59	6	186.05	21.65	53	10.49	0.00	0.15	0.81	
04.22.2021	17:40:47	S	3416.31	W	243.69	53	54	6	185.68	21.60	47	10.51	0.00	0.17	0.83	
04.22.2021	17:41:47	S	3416.32	W	243.49	56	57	4	185.59	21.59	52	10.51	0.00	0.19	0.84	
04.22.2021	17:42:47	S	3416.34	W	243.25	54	54	5	185.18	21.52	50	10.50	0.00	0.15	0.79	
04.22.2021	17:43:47	S	3416.35	W	243.04	50	51	3	185.33	21.61	47	10.51	0.00	0.15	0.83	
04.22.2021	17:44:47	S	3416.36	W	242.81	56	57	1	185.48	21.67	55	10.51	0.00	0.16	-0.36	
04.22.2021	17:45:47	S	3416.37	W	242.58	58	58	4	185.48	21.65	53	10.51	0.00	0.17	-0.35	
04.22.2021	17:46:47	S	3416.39	W	242.37	49	50	4	185.53	21.62	45	10.51	0.00	0.15	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	17:47:47	S	3416.4	W	242.17	56	57	-2	185.22	21.56	58	10.51	0.00	0.15	-0.35	
04.22.2021	17:48:47	S	3416.41	W	241.91	52	52	1	185.48	21.64	50	10.52	0.00	0.15	-0.36	
04.22.2021	17:49:47	S	3416.42	W	241.73	53	54	-1	185.44	21.56	54	10.51	0.00	0.15	-0.35	
04.22.2021	17:50:47	S	3416.42	W	241.49	57	58	0	185.83	21.60	57	10.50	0.00	0.14	0.81	
04.22.2021	17:51:47	S	3416.43	W	241.3	54	55	3	185.79	21.59	52	10.52	0.00	0.15	0.80	
04.22.2021	17:52:47	S	3416.45	W	241.07	48	49	-3	185.98	21.59	50	10.51	0.00	0.14	0.79	
04.22.2021	17:53:47	S	3416.47	W	240.85	53	55	2	185.94	21.52	52	10.51	0.00	0.14	0.81	
04.22.2021	17:54:47	S	3416.48	W	240.62	54	54	3	186.35	21.62	50	10.51	0.00	0.15	0.78	
04.22.2021	17:55:47	S	3416.48	W	240.42	53	55	2	186.39	21.59	52	10.52	0.00	0.15	-0.37	
04.22.2021	17:56:47	S	3416.49	W	240.18	60	60	2	186.35	21.52	58	10.51	0.00	0.15	-0.22	
04.22.2021	17:57:47	S	3416.5	W	239.97	55	55	5	186.72	21.59	51	10.50	0.00	0.14	-0.37	
04.22.2021	17:58:53	S	3416.52	W	239.77	55	58	-1	186.57	21.52	56	10.51	0.00	0.15	-0.37	
04.22.2021	17:59:53	S	3416.53	W	239.55	61	61	2	186.68	21.55	59	10.53	0.00	0.12	-0.36	
04.22.2021	18:00:53	S	3416.55	W	239.35	49	51	0	186.96	21.61	50	10.52	0.00	0.14	0.80	
04.22.2021	18:01:53	S	3416.58	W	239.09	57	59	-3	186.87	21.55	60	10.52	0.00	0.15	0.81	
04.22.2021	18:02:53	S	3416.59	W	238.87	57	58	1	187.07	21.65	56	10.51	0.00	0.14	0.83	
04.22.2021	18:03:53	S	3416.61	W	238.69	52	52	0	186.89	21.59	52	10.52	0.00	0.14	0.91	
04.22.2021	18:04:53	S	3416.62	W	238.48	55	56	-2	186.70	21.56	56	10.52	0.00	0.15	1.17	
04.22.2021	18:05:53	S	3416.64	W	238.24	56	58	2	186.50	21.55	54	10.48	0.00	0.14	-0.37	
04.22.2021	18:06:53	S	3416.65	W	238.04	51	52	3	186.18	21.53	48	10.50	0.00	0.15	-0.37	
04.22.2021	18:07:53	S	3416.66	W	237.8	59	61	2	186.09	21.53	58	10.51	0.00	0.15	-0.34	
04.22.2021	18:08:52	S	3416.68	W	237.59	57	58	6	186.07	21.57	51	10.51	0.00	0.16	-0.35	
04.22.2021	18:09:52	S	3416.69	W	237.38	49	51	2	186.07	21.56	47	10.51	0.00	0.13	-0.38	
04.22.2021	18:10:52	S	3416.71	W	237.12	59	60	3	185.85	21.59	57	10.52	0.00	0.15	0.87	
04.22.2021	18:11:52	S	3416.72	W	236.91	57	57	4	185.57	21.59	53	10.51	0.00	0.15	0.95	
04.22.2021	18:12:52	S	3416.74	W	236.68	52	53	5	185.83	21.69	48	10.51	0.00	0.16	0.87	
04.22.2021	18:13:52	S	3416.76	W	236.49	56	57	0	185.59	21.62	56	10.52	0.00	0.16	0.85	
04.22.2021	18:14:52	S	3416.77	W	236.24	55	56	2	185.66	21.61	53	10.50	0.00	0.14	0.85	
04.22.2021	18:15:52	S	3416.79	W	236.04	53	55	-2	185.63	21.61	55	10.50	0.00	0.14	0.80	
04.22.2021	18:16:52	S	3416.81	W	235.79	57	58	1	185.74	21.62	56	10.53	0.00	0.16	-0.36	
04.22.2021	18:17:52	S	3416.83	W	235.56	53	53	3	185.74	21.60	50	10.53	0.00	0.15	-0.36	
04.22.2021	18:18:51	S	3416.84	W	235.36	51	52	-1	185.68	21.59	51	10.50	0.00	0.15	-0.35	
04.22.2021	18:19:51	S	3416.87	W	235.11	55	57	3	185.63	21.55	52	10.51	0.00	0.15	-0.36	
04.22.2021	18:20:51	S	3416.89	W	234.88	55	55	5	185.76	21.56	50	10.51	0.00	0.15	-0.36	
04.22.2021	18:21:51	S	3416.9	W	234.69	52	54	4	185.96	21.57	48	10.51	0.00	0.15	0.81	
04.22.2021	18:22:51	S	3416.91	W	234.45	53	54	1	186.20	21.64	52	10.52	0.00	0.13	0.84	
04.22.2021	18:23:51	S	3416.92	W	234.21	50	51	6	186.15	21.67	44	10.51	0.00	0.16	0.83	
04.22.2021	18:24:51	S	3416.93	W	234.01	51	53	3	186.24	21.61	49	10.52	0.00	0.15	0.83	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	18:25:51	S	3416.93	W	233.77	54	55	1	186.31	21.63	54	10.51	0.00	0.15	0.81	
04.22.2021	18:26:51	S	3416.94	W	233.55	54	55	3	186.35	21.64	52	10.49	0.00	0.15	-0.36	
04.22.2021	18:27:51	S	3416.95	W	233.33	52	54	1	186.35	21.63	51	10.51	0.00	0.15	-0.37	
04.22.2021	18:28:48	S	3416.97	W	233.12	53	54	0	186.41	21.71	53	10.51	0.00	0.15	-0.38	
04.22.2021	18:29:48	S	3416.98	W	232.89	50	51	2	186.20	21.67	48	10.52	0.00	0.16	-0.36	
04.22.2021	18:30:48	S	3416.99	W	232.68	52	53	-2	185.72	21.62	54	10.49	0.00	0.15	-0.39	
04.22.2021	18:31:48	S	3417	W	232.44	56	57	6	185.44	21.56	51	10.53	0.00	0.15	1.51	
04.22.2021	18:32:48	S	3417.01	W	232.21	52	53	6	185.35	21.61	46	10.51	0.00	0.16	1.08	
04.22.2021	18:33:48	S	3417.02	W	231.98	60	61	5	185.42	21.63	55	10.53	0.00	0.14	0.83	
04.22.2021	18:34:48	S	3417.03	W	231.77	58	59	5	185.53	21.65	53	10.51	0.00	0.15	0.79	
04.22.2021	18:35:48	S	3417.04	W	231.55	55	55	-0	185.66	21.64	54	10.51	0.00	0.15	0.79	
04.22.2021	18:36:48	S	3417.05	W	231.32	57	59	6	185.68	21.65	51	10.52	0.00	0.14	-0.35	
04.22.2021	18:37:48	S	3417.06	W	231.07	51	53	2	185.68	21.65	51	10.51	0.00	0.15	-0.36	
04.22.2021	18:38:54	S	3417.06	W	230.87	51	53	-1	185.94	21.69	52	10.51	0.00	0.14	-0.33	
04.22.2021	18:39:54	S	3417.07	W	230.65	59	60	5	185.98	21.65	54	10.52	0.00	0.15	-0.35	
04.22.2021	18:40:54	S	3417.08	W	230.45	56	56	3	186.00	21.70	53	10.52	0.00	0.15	-0.38	
04.22.2021	18:41:54	S	3417.08	W	230.2	51	52	-1	186.09	21.67	51	10.51	0.00	0.15	-0.36	
04.22.2021	18:42:54	S	3417.09	W	229.98	58	58	4	186.05	21.57	54	10.50	0.00	0.14	0.86	
04.22.2021	18:43:54	S	3417.1	W	229.74	56	57	7	186.18	21.66	49	10.52	0.00	0.14	0.82	
04.22.2021	18:44:54	S	3417.11	W	229.52	52	55	0	186.24	21.63	52	10.51	0.00	0.15	0.83	
04.22.2021	18:45:54	S	3417.12	W	229.29	54	55	-1	186.37	21.61	55	10.51	0.00	0.14	0.86	
04.22.2021	18:46:54	S	3417.13	W	229.08	50	51	6	186.48	21.64	44	10.51	0.00	0.15	0.87	
04.22.2021	18:47:54	S	3417.13	W	228.85	52	54	4	186.59	21.61	49	10.52	0.00	0.14	-0.35	
04.22.2021	18:48:49	S	3417.13	W	228.62	54	55	4	186.83	21.62	50	10.50	0.00	0.14	-0.36	
04.22.2021	18:49:49	S	3417.13	W	228.41	56	56	4	186.98	21.67	51	10.52	0.00	0.14	-0.36	
04.22.2021	18:50:49	S	3417.13	W	228.15	54	56	-2	186.98	21.67	56	10.51	0.00	0.14	-0.37	
04.22.2021	18:51:49	S	3417.14	W	227.95	56	56	1	186.70	21.62	55	10.53	0.00	0.14	-0.37	
04.22.2021	18:52:49	S	3417.15	W	227.75	49	51	3	186.68	21.62	47	10.52	0.00	0.17	0.85	
04.22.2021	18:53:49	S	3417.16	W	227.49	54	56	-2	186.57	21.71	56	10.51	0.00	0.37	0.86	
04.22.2021	18:54:49	S	3417.16	W	227.28	56	56	2	186.24	21.59	53	10.51	0.00	0.16	0.85	
04.22.2021	18:55:49	S	3417.17	W	227.02	52	52	3	185.94	21.60	49	10.52	0.00	0.16	0.91	
04.22.2021	18:56:49	S	3417.18	W	226.82	53	55	0	185.55	21.56	53	10.50	0.00	0.15	0.89	
04.22.2021	18:57:49	S	3417.18	W	226.61	58	57	8	185.35	21.50	49	10.50	0.00	0.12	-0.36	
04.22.2021	18:58:48	S	3417.19	W	226.35	54	55	4	185.46	21.56	50	10.51	0.00	0.14	-0.35	
04.22.2021	18:59:48	S	3417.19	W	226.11	60	62	7	185.33	21.53	53	10.52	0.00	0.15	-0.37	
04.22.2021	19:00:48	S	3417.2	W	225.9	58	59	4	185.37	21.51	55	10.51	0.00	0.14	-0.36	
04.22.2021	19:01:48	S	3417.21	W	225.66	52	53	4	185.37	21.53	48	10.51	0.00	0.16	-0.35	
04.22.2021	19:02:48	S	3417.22	W	225.46	58	59	4	185.68	21.59	53	10.51	0.00	0.14	0.89	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	19:03:48	S	3417.23	W	225.22	57	57	3	185.59	21.56	53	10.53	0.00	0.15	0.90
04.22.2021	19:04:48	S	3417.23	W	225.03	51	54	-1	185.59	21.53	53	10.51	0.00	0.13	0.89
04.22.2021	19:05:48	S	3417.24	W	224.77	58	59	1	185.55	21.48	57	10.52	0.00	0.15	0.90
04.22.2021	19:06:48	S	3417.24	W	224.56	56	56	3	185.76	21.55	53	10.52	0.00	0.17	0.87
04.22.2021	19:07:48	S	3417.25	W	224.34	54	56	1	186.07	21.62	53	10.53	0.00	0.17	0.84
04.22.2021	19:08:51	S	3417.26	W	224.08	54	56	2	185.79	21.51	53	10.50	0.00	0.15	-0.36
04.22.2021	19:09:51	S	3417.27	W	223.85	53	54	3	185.74	21.48	49	10.48	0.00	0.14	-0.36
04.22.2021	19:10:51	S	3417.28	W	223.64	48	51	0	185.83	21.49	49	10.52	0.00	0.15	-0.36
04.22.2021	19:11:51	S	3417.28	W	223.43	55	56	3	185.89	21.53	52	10.50	0.00	0.15	-0.35
04.22.2021	19:12:51	S	3417.29	W	223.19	52	53	4	186.31	21.56	49	10.52	0.00	0.14	-0.51
04.22.2021	19:13:51	S	3417.29	W	222.94	54	56	2	186.20	21.53	52	10.51	0.00	0.16	0.92
04.22.2021	19:14:51	S	3417.29	W	222.73	58	58	5	186.37	21.51	52	10.51	0.00	0.15	0.93
04.22.2021	19:15:51	S	3417.3	W	222.5	50	51	6	186.13	21.46	43	10.51	0.00	0.15	0.92
04.22.2021	19:16:51	S	3417.31	W	222.25	55	57	1	186.18	21.51	54	10.52	0.00	0.13	0.93
04.22.2021	19:17:51	S	3417.31	W	222.05	56	57	5	186.24	21.51	51	10.51	0.00	0.14	0.93
04.22.2021	19:18:49	S	3417.32	W	221.82	49	49	1	186.31	21.54	47	10.51	0.00	0.14	-0.37
04.22.2021	19:19:49	S	3417.33	W	221.6	56	57	1	186.20	21.52	55	10.50	0.00	0.17	-0.36
04.22.2021	19:20:49	S	3417.34	W	221.33	54	55	-1	185.98	21.46	55	10.51	0.00	0.16	-0.24
04.22.2021	19:21:49	S	3417.35	W	221.12	50	50	2	185.89	21.46	47	10.51	0.00	0.15	-0.37
04.22.2021	19:22:49	S	3417.36	W	220.89	52	54	0	185.96	21.51	53	10.52	0.00	0.14	-0.36
04.22.2021	19:23:49	S	3417.36	W	220.67	57	58	1	185.87	21.48	56	10.50	0.00	0.15	0.91
04.22.2021	19:24:49	S	3417.37	W	220.43	47	48	1	185.96	21.50	46	10.51	0.00	0.14	0.94
04.22.2021	19:25:49	S	3417.38	W	220.2	56	57	6	185.98	21.51	49	10.51	0.00	0.14	0.97
04.22.2021	19:26:49	S	3417.39	W	219.97	53	54	5	186.00	21.51	48	10.51	0.00	0.15	0.93
04.22.2021	19:27:49	S	3417.4	W	219.74	50	50	3	186.00	21.49	45	10.50	0.00	0.15	0.94
04.22.2021	19:28:48	S	3417.41	W	219.53	56	58	7	186.00	21.48	49	10.51	0.00	0.16	-0.36
04.22.2021	19:29:48	S	3417.42	W	219.29	56	56	6	186.24	21.49	49	10.50	0.00	0.13	-0.38
04.22.2021	19:30:48	S	3417.43	W	219.06	52	53	1	186.26	21.48	51	10.52	0.00	0.15	-0.36
04.22.2021	19:31:48	S	3417.44	W	218.83	60	60	3	186.31	21.48	57	10.51	0.00	0.15	-0.35
04.22.2021	19:32:48	S	3417.45	W	218.61	58	58	4	186.24	21.46	53	10.51	0.00	0.15	-0.35
04.22.2021	19:33:48	S	3417.46	W	218.38	51	52	1	186.59	21.48	50	10.51	0.00	0.15	0.94
04.22.2021	19:34:48	S	3417.47	W	218.16	59	59	3	186.61	21.48	55	10.52	0.00	0.15	0.96
04.22.2021	19:35:48	S	3417.48	W	217.91	55	56	5	186.59	21.43	50	10.53	0.00	0.14	0.96
04.22.2021	19:36:48	S	3417.49	W	217.67	49	51	1	186.26	21.42	48	10.50	0.00	0.15	0.96
04.22.2021	19:37:48	S	3417.5	W	217.48	59	60	6	186.55	21.43	53	10.51	0.00	0.15	0.94
04.22.2021	19:38:51	S	3417.51	W	217.24	52	53	3	186.68	21.46	49	10.52	0.00	0.17	0.95
04.22.2021	19:39:51	S	3417.52	W	217.03	50	52	1	186.76	21.48	47	10.50	0.00	0.14	-0.34
04.22.2021	19:40:51	S	3417.53	W	216.79	55	56	7	186.57	21.42	49	10.51	0.00	0.15	-0.37

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	19:41:51	S	3417.54	W	216.57	52	53	7	186.72	21.46	46	10.50	0.00	0.17	-0.38	
04.22.2021	19:42:51	S	3417.55	W	216.34	53	55	1	186.48	21.41	51	10.50	0.00	0.14	-0.37	
04.22.2021	19:43:51	S	3417.56	W	216.1	54	55	1	186.41	21.43	53	10.51	0.00	0.14	-0.35	
04.22.2021	19:44:51	S	3417.57	W	215.88	51	52	3	186.24	21.38	48	10.50	0.00	0.15	0.95	
04.22.2021	19:45:51	S	3417.59	W	215.63	54	55	-3	186.13	21.43	56	10.51	0.00	0.17	0.95	
04.22.2021	19:46:51	S	3417.6	W	215.39	54	55	2	185.96	21.41	53	10.51	0.00	0.15	0.96	
04.22.2021	19:47:51	S	3417.61	W	215.19	52	53	3	185.89	21.41	49	10.50	0.00	0.17	0.97	
04.22.2021	19:48:54	S	3417.62	W	214.93	56	58	-0	186.09	21.43	56	10.50	0.00	0.14	0.97	
04.22.2021	19:49:54	S	3417.63	W	214.73	55	56	6	186.05	21.43	49	10.52	0.00	0.13	-0.38	
04.22.2021	19:50:54	S	3417.64	W	214.5	52	54	4	186.13	21.48	48	10.52	0.00	0.15	-0.36	
04.22.2021	19:51:54	S	3417.65	W	214.25	57	58	5	186.26	21.45	52	10.52	0.00	0.15	-0.36	
04.22.2021	19:52:54	S	3417.66	W	214.03	56	57	5	186.35	21.49	52	10.50	0.00	0.12	-0.38	
04.22.2021	19:53:54	S	3417.66	W	213.84	52	53	1	186.37	21.51	51	10.51	0.00	0.14	-0.34	
04.22.2021	19:54:54	S	3417.68	W	213.61	59	60	3	186.39	21.50	57	10.53	0.00	0.16	0.99	
04.22.2021	19:55:54	S	3417.69	W	213.36	57	57	4	186.37	21.48	53	10.52	0.00	0.13	0.97	
04.22.2021	19:56:54	S	3417.7	W	213.12	54	55	2	186.76	21.50	50	10.52	0.00	0.15	1.00	
04.22.2021	19:57:54	S	3417.71	W	212.9	59	60	2	186.87	21.54	57	10.51	0.00	0.17	0.97	
04.22.2021	19:58:51	S	3417.72	W	212.69	59	59	7	187.09	21.59	51	10.50	0.00	0.15	0.93	
04.22.2021	19:59:51	S	3417.73	W	212.48	53	55	2	187.30	21.59	51	10.51	0.00	0.16	-0.35	
04.22.2021	20:00:51	S	3417.75	W	212.24	59	60	6	186.96	21.63	53	10.51	0.00	0.15	-0.36	
04.22.2021	20:01:51	S	3417.77	W	212	54	55	3	186.78	21.62	52	10.51	0.00	0.16	-0.36	
04.22.2021	20:02:51	S	3417.78	W	211.79	54	55	2	187.07	21.73	52	10.52	0.00	0.15	-0.37	
04.22.2021	20:03:51	S	3417.79	W	211.54	54	57	5	186.89	21.70	51	10.58	0.00	0.15	-0.38	
04.22.2021	20:04:51	S	3417.79	W	211.35	54	54	8	186.70	21.69	46	10.51	0.00	0.16	-0.37	
04.22.2021	20:05:51	S	3417.8	W	211.1	54	55	3	186.81	21.77	51	10.52	0.00	0.15	1.01	
04.22.2021	20:06:51	S	3417.81	W	210.85	58	59	2	186.70	21.77	56	10.51	0.00	0.15	0.99	
04.22.2021	20:07:51	S	3417.82	W	210.63	54	55	4	186.41	21.74	51	10.51	0.00	0.15	1.00	
04.22.2021	20:08:50	S	3417.84	W	210.42	55	57	2	186.31	21.71	53	10.51	0.00	0.16	0.98	
04.22.2021	20:09:50	S	3417.85	W	210.2	55	55	5	186.28	21.70	49	10.53	0.00	0.15	0.99	
04.22.2021	20:10:50	S	3417.86	W	209.93	51	52	-0	186.26	21.71	51	10.51	0.00	0.17	-0.37	
04.22.2021	20:11:50	S	3417.87	W	209.71	54	55	0	186.41	21.73	53	10.51	0.00	0.16	-0.38	
04.22.2021	20:12:50	S	3417.88	W	209.52	55	56	3	186.50	21.75	52	10.70	0.00	0.15	-0.35	
04.22.2021	20:13:50	S	3417.89	W	209.29	49	50	4	186.50	21.72	46	10.50	0.00	0.14	-0.35	
04.22.2021	20:14:50	S	3417.91	W	209.04	56	57	8	186.76	21.74	48	10.52	0.00	0.14	-0.33	
04.22.2021	20:15:50	S	3417.92	W	208.83	56	56	8	186.70	21.76	48	10.52	0.00	0.16	1.01	
04.22.2021	20:16:50	S	3417.92	W	208.71	49	50	4	186.70	21.74	45	10.52	0.00	0.14	0.99	
04.22.2021	20:17:50	S	3417.92	W	208.71	57	59	6	186.48	21.69	51	10.51	0.00	0.13	0.86	
04.22.2021	20:18:49	S	3417.94	W	208.17	56	56	4	186.65	21.73	52	10.52	0.00	0.15	1.00	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	20:19:49	S	3417.96	W	207.92	52	53	2	186.39	21.66	51	10.50	0.00	0.15	1.00
04.22.2021	20:20:49	S	3417.97	W	207.69	58	59	3	186.48	21.69	55	10.50	0.00	0.16	-0.36
04.22.2021	20:21:49	S	3417.99	W	207.48	53	53	2	186.41	21.67	51	10.49	0.00	0.15	-0.36
04.22.2021	20:22:49	S	3417.99	W	207.22	49	50	1	186.48	21.67	48	10.51	0.00	0.15	-0.33
04.22.2021	20:23:49	S	3418	W	207.02	53	54	0	186.46	21.65	53	10.51	0.00	0.15	-0.37
04.22.2021	20:24:49	S	3417.99	W	206.79	54	54	2	186.61	21.71	51	10.51	0.00	0.14	-0.35
04.22.2021	20:25:49	S	3417.99	W	206.57	51	53	1	186.59	21.67	50	10.51	0.00	0.14	1.02
04.22.2021	20:26:49	S	3417.99	W	206.32	59	59	8	186.87	21.74	51	10.50	0.00	0.14	1.01
04.22.2021	20:27:49	S	3418	W	206.12	52	53	6	186.48	21.69	45	10.51	0.00	0.15	1.00
04.22.2021	20:28:51	S	3418	W	205.91	51	52	4	186.20	21.62	46	10.52	0.00	0.15	1.03
04.22.2021	20:29:51	S	3418.01	W	205.67	55	56	2	186.13	21.67	53	10.61	0.00	0.13	1.04
04.22.2021	20:30:51	S	3418.01	W	205.46	52	51	3	186.20	21.70	48	10.51	0.00	0.16	1.02
04.22.2021	20:31:51	S	3418.01	W	205.25	52	55	1	185.96	21.70	52	10.54	0.00	0.15	-0.36
04.22.2021	20:32:51	S	3418.01	W	205.02	57	58	2	185.98	21.66	54	10.51	0.00	0.15	-0.36
04.22.2021	20:33:51	S	3418.02	W	204.76	53	53	3	186.09	21.67	49	10.49	0.00	0.15	-0.35
04.22.2021	20:34:51	S	3418.02	W	204.57	53	55	-1	185.83	21.59	55	10.51	0.00	0.15	-0.38
04.22.2021	20:35:51	S	3418.03	W	204.32	54	55	2	185.89	21.64	52	10.51	0.00	0.18	-0.35
04.22.2021	20:36:51	S	3418.03	W	204.12	45	46	3	186.07	21.65	42	10.52	0.00	0.13	1.06
04.22.2021	20:37:51	S	3418.03	W	203.86	57	58	6	186.09	21.64	51	10.51	0.00	0.15	1.05
04.22.2021	20:38:54	S	3418.03	W	203.65	56	57	6	186.20	21.64	50	10.51	0.00	0.13	1.11
04.22.2021	20:39:54	S	3418.03	W	203.41	50	52	6	186.35	21.62	45	10.51	0.00	0.15	1.06
04.22.2021	20:40:54	S	3418.03	W	203.19	58	60	4	186.39	21.57	55	10.52	0.00	0.14	1.05
04.22.2021	20:41:54	S	3418.04	W	202.98	55	56	4	186.37	21.55	52	10.51	0.00	0.14	-0.46
04.22.2021	20:42:54	S	3418.04	W	202.75	52	54	0	186.72	21.63	52	10.51	0.00	0.15	-0.36
04.22.2021	20:43:54	S	3418.05	W	202.53	59	60	2	186.70	21.54	57	10.50	0.00	0.14	-0.36
04.22.2021	20:44:54	S	3418.05	W	202.3	54	54	3	186.89	21.57	51	10.52	0.00	0.14	-0.35
04.22.2021	20:45:54	S	3418.06	W	202.1	52	53	3	186.81	21.54	49	10.51	0.00	0.15	-0.36
04.22.2021	20:46:54	S	3418.06	W	201.85	57	58	6	187.11	21.59	51	10.51	0.00	0.17	1.02
04.22.2021	20:47:54	S	3418.06	W	201.6	55	56	8	186.96	21.54	47	10.50	0.00	0.15	1.03
04.22.2021	20:48:49	S	3418.06	W	201.38	54	56	6	187.00	21.56	48	10.52	0.00	0.13	1.04
04.22.2021	20:49:49	S	3418.07	W	201.16	56	58	7	186.81	21.50	50	10.51	0.00	0.14	1.06
04.22.2021	20:50:49	S	3418.06	W	200.92	53	53	7	186.72	21.50	46	10.52	0.00	0.15	1.06
04.22.2021	20:51:49	S	3418.06	W	200.71	56	58	-3	186.61	21.49	59	10.51	0.00	0.15	-0.36
04.22.2021	20:52:49	S	3418.06	W	200.5	58	58	2	186.48	21.46	55	10.51	0.00	0.16	-0.33
04.22.2021	20:53:49	S	3418.06	W	200.24	52	52	3	186.61	21.53	49	10.53	0.00	0.15	-0.36
04.22.2021	20:54:49	S	3418.06	W	200.04	57	59	1	186.68	21.53	56	10.50	0.00	0.15	-0.35
04.22.2021	20:55:49	S	3418.06	W	159.82	57	58	4	186.48	21.45	53	10.52	0.00	0.13	-0.37
04.22.2021	20:56:49	S	3418.06	W	159.55	50	53	4	186.70	21.51	48	10.50	0.00	0.14	-0.34

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	20:57:49	S	3418.05	W	159.35	58	60	6	186.91	21.55	53	10.53	0.00	0.15	1.08	
04.22.2021	20:58:48	S	3418.05	W	159.11	57	58	7	186.72	21.46	50	10.51	0.00	0.15	1.07	
04.22.2021	20:59:48	S	3418.05	W	158.89	53	55	7	186.87	21.46	47	10.34	0.00	0.17	1.14	
04.22.2021	21:00:48	S	3418.05	W	158.66	58	59	3	186.98	21.46	55	10.51	0.00	0.15	1.13	
04.22.2021	21:01:48	S	3418.05	W	158.45	52	52	7	186.87	21.49	46	10.52	0.00	0.17	1.12	
04.22.2021	21:02:48	S	3418.05	W	158.22	51	54	2	186.81	21.43	51	10.51	0.00	0.14	-0.36	
04.22.2021	21:03:48	S	3418.05	W	157.99	58	59	4	186.72	21.40	55	10.53	0.00	0.14	-0.35	
04.22.2021	21:04:48	S	3418.05	W	157.76	58	58	7	186.87	21.43	50	10.51	0.00	0.14	-0.36	
04.22.2021	21:05:48	S	3418.04	W	157.56	53	54	1	186.98	21.46	51	10.51	0.00	0.17	-0.37	
04.22.2021	21:06:48	S	3418.04	W	157.32	57	59	5	186.96	21.46	53	10.51	0.00	0.15	-0.36	
04.22.2021	21:07:48	S	3418.04	W	157.09	53	53	8	186.91	21.43	46	10.51	0.00	0.17	1.10	
04.22.2021	21:08:54	S	3418.04	W	156.83	53	55	5	187.24	21.52	48	10.50	0.00	0.14	1.11	
04.22.2021	21:09:54	S	3418.03	W	156.61	56	57	7	186.87	21.41	49	10.51	0.00	0.14	1.11	
04.22.2021	21:10:54	S	3418.03	W	156.39	56	55	6	187.00	21.48	50	10.52	0.00	0.15	1.10	
04.22.2021	21:11:54	S	3418.03	W	156.15	58	60	-1	186.96	21.46	59	10.50	0.00	0.13	1.10	
04.22.2021	21:12:54	S	3418.03	W	155.95	60	60	4	186.72	21.43	56	10.30	0.00	0.15	-0.38	
04.22.2021	21:13:54	S	3418.04	W	155.7	50	51	1	186.61	21.43	49	10.51	0.00	0.15	-0.37	
04.22.2021	21:14:54	S	3418.05	W	155.5	53	54	-0	186.39	21.41	53	10.52	0.00	0.16	-0.35	
04.22.2021	21:15:54	S	3418.06	W	155.25	54	55	1	186.24	21.41	52	10.51	0.00	0.15	-0.36	
04.22.2021	21:16:54	S	3418.06	W	155.01	50	51	2	186.09	21.38	48	10.52	0.00	0.14	-0.33	
04.22.2021	21:17:54	S	3418.07	W	154.81	57	58	5	186.09	21.35	52	10.51	0.00	0.15	1.06	
04.22.2021	21:18:54	S	3418.07	W	154.57	57	57	7	186.20	21.38	49	10.51	0.00	0.13	1.04	
04.22.2021	21:19:54	S	3418.08	W	154.33	51	52	4	186.15	21.36	47	10.51	0.00	0.14	1.07	
04.22.2021	21:20:54	S	3418.09	W	154.08	58	59	6	186.20	21.34	53	10.51	0.00	0.13	1.07	
04.22.2021	21:21:54	S	3418.1	W	153.88	57	57	4	186.26	21.34	53	10.52	0.00	0.13	1.10	
04.22.2021	21:22:54	S	3418.1	W	153.66	55	56	2	186.57	21.38	53	10.52	0.00	0.16	1.10	
04.22.2021	21:23:54	S	3418.11	W	153.4	58	58	5	186.61	21.41	52	10.49	0.00	0.15	-0.36	
04.22.2021	21:24:54	S	3418.12	W	153.18	57	58	6	186.59	21.36	52	10.51	0.00	0.13	-0.37	
04.22.2021	21:25:54	S	3418.14	W	152.94	54	56	2	186.68	21.33	52	10.50	0.00	0.14	-0.32	
04.22.2021	21:26:54	S	3418.15	W	152.72	56	57	5	187.13	21.38	51	10.52	0.00	0.14	-0.36	
04.22.2021	21:27:54	S	3418.17	W	152.48	54	54	6	186.98	21.32	48	10.52	0.00	0.15	-0.35	
04.22.2021	21:28:49	S	3418.18	W	152.25	59	61	-2	187.33	21.40	61	10.51	0.00	0.15	1.10	
04.22.2021	21:29:49	S	3418.19	W	152.03	57	59	9	187.43	21.40	50	10.51	0.00	0.15	1.12	
04.22.2021	21:30:49	S	3418.2	W	151.8	51	52	3	187.33	21.38	48	10.51	0.00	0.15	1.12	
04.22.2021	21:31:49	S	3418.22	W	151.55	55	57	-0	187.59	21.45	56	10.52	0.00	0.15	1.12	
04.22.2021	21:32:49	S	3418.23	W	151.34	58	59	4	187.33	21.43	54	10.50	0.00	0.14	1.10	
04.22.2021	21:33:49	S	3418.24	W	151.08	53	55	2	187.37	21.41	52	10.52	0.00	0.13	-0.36	
04.22.2021	21:34:49	S	3418.25	W	150.87	58	60	4	187.52	21.48	54	10.51	0.00	0.14	-0.36	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	21:35:49	S	3418.26	W	150.65	55	57	8	187.30	21.46	47	10.52	0.00	0.13	-0.36	
04.22.2021	21:36:49	S	3418.28	W	150.39	50	52	5	187.37	21.50	46	10.53	0.00	0.14	-0.39	
04.22.2021	21:37:49	S	3418.29	W	150.17	60	61	7	187.28	21.51	54	10.51	0.00	0.15	-0.36	
04.22.2021	21:38:48	S	3418.3	W	149.95	57	57	9	187.09	21.46	46	10.48	0.00	0.14	1.14	
04.22.2021	21:39:48	S	3418.32	W	149.7	54	55	4	186.89	21.46	50	10.51	0.00	0.15	1.12	
04.22.2021	21:40:48	S	3418.33	W	149.49	57	58	-1	186.91	21.49	58	10.51	0.00	0.15	1.11	
04.22.2021	21:41:48	S	3418.35	W	149.24	54	54	4	186.72	21.46	49	10.51	0.00	0.14	1.13	
04.22.2021	21:42:48	S	3418.36	W	149.03	52	53	2	186.61	21.45	49	10.50	0.00	0.15	1.11	
04.22.2021	21:43:48	S	3418.37	W	148.78	58	60	3	186.76	21.46	55	10.52	0.00	0.15	-0.36	
04.22.2021	21:44:48	S	3418.38	W	148.53	56	56	5	186.89	21.50	51	10.52	0.00	0.14	-0.36	
04.22.2021	21:45:48	S	3418.4	W	148.3	54	56	4	186.78	21.51	50	10.51	0.00	0.14	-0.36	
04.22.2021	21:46:48	S	3418.42	W	148.07	55	56	5	186.57	21.48	49	10.51	0.00	0.14	-0.35	
04.22.2021	21:47:48	S	3418.43	W	147.85	49	50	5	186.48	21.46	45	10.51	0.00	0.15	-0.36	
04.22.2021	21:48:48	S	3418.45	W	147.6	54	56	4	186.50	21.46	50	10.51	0.00	0.15	-0.01	
04.22.2021	21:49:48	S	3418.46	W	147.35	58	58	5	186.72	21.48	52	10.51	0.00	0.15	1.14	
04.22.2021	21:50:48	S	3418.47	W	147.13	52	52	4	186.87	21.49	48	10.52	0.00	0.15	1.15	
04.22.2021	21:51:48	S	3418.49	W	146.92	54	56	6	186.76	21.50	48	10.51	0.00	0.15	1.14	
04.22.2021	21:52:48	S	3418.51	W	146.65	55	56	1	186.87	21.50	54	10.52	0.00	0.15	1.13	
04.22.2021	21:53:48	S	3418.52	W	146.42	50	51	5	186.89	21.43	45	10.52	0.00	0.13	1.14	
04.22.2021	21:54:48	S	3418.53	W	146.17	56	57	6	187.13	21.48	50	10.51	0.00	0.15	-0.36	
04.22.2021	21:55:48	S	3418.54	W	145.97	58	59	9	186.98	21.40	49	10.30	0.00	0.15	-0.37	
04.22.2021	21:56:48	S	3418.56	W	145.73	51	52	6	187.11	21.41	46	10.52	0.00	0.15	-0.36	
04.22.2021	21:57:48	S	3418.57	W	145.51	57	58	4	187.09	21.41	53	10.53	0.00	0.14	-0.35	
04.22.2021	21:58:47	S	3418.58	W	145.26	57	57	8	186.96	21.35	49	10.51	0.00	0.15	-0.37	
04.22.2021	21:59:47	S	3418.59	W	145.01	52	53	1	187.09	21.41	50	10.51	0.00	0.15	1.18	
04.22.2021	22:00:47	S	3418.61	W	144.79	58	59	3	187.07	21.41	55	10.52	0.00	0.14	1.16	
04.22.2021	22:01:47	S	3418.62	W	144.55	56	56	3	186.76	21.35	52	10.50	0.00	0.14	1.17	
04.22.2021	22:02:47	S	3418.64	W	144.3	51	53	1	186.81	21.39	51	10.51	0.00	0.13	1.18	
04.22.2021	22:03:47	S	3418.65	W	144.08	56	57	8	186.48	21.38	49	10.51	0.00	0.14	1.16	
04.22.2021	22:04:47	S	3418.66	W	143.84	54	53	9	186.59	21.38	44	10.52	0.00	0.10	-0.37	
04.22.2021	22:05:47	S	3418.68	W	143.61	50	52	2	186.35	21.32	48	10.53	0.00	0.16	-0.36	
04.22.2021	22:06:47	S	3418.7	W	143.34	56	57	7	186.20	21.30	49	10.50	0.00	0.14	-0.36	
04.22.2021	22:07:47	S	3418.71	W	143.14	52	53	5	186.41	21.35	47	10.51	0.00	0.14	-0.36	
04.22.2021	22:08:51	S	3418.72	W	142.9	55	56	1	186.70	21.38	54	10.54	0.00	0.14	-0.36	
04.22.2021	22:09:51	S	3418.74	W	142.64	58	58	4	186.61	21.33	53	10.52	0.00	0.14	1.19	
04.22.2021	22:10:51	S	3418.75	W	142.42	53	54	3	186.57	21.31	50	10.52	0.00	0.15	1.20	
04.22.2021	22:11:51	S	3418.77	W	142.19	55	57	2	186.78	21.34	53	10.52	0.00	0.16	1.18	
04.22.2021	22:12:51	S	3418.78	W	141.92	58	60	4	186.81	21.35	55	10.52	0.00	0.16	1.19	

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	22:13:51	S	3418.8	W	141.71	52	53	5	186.98	21.35	47	10.51	0.00	0.14	1.18	
04.22.2021	22:14:51	S	3418.81	W	141.47	56	58	0	187.22	21.41	56	10.51	0.00	0.15	-0.37	
04.22.2021	22:15:51	S	3418.83	W	141.23	57	58	7	187.28	21.38	50	10.51	0.00	0.13	-0.36	
04.22.2021	22:16:51	S	3418.84	W	140.98	49	50	4	187.43	21.41	45	10.52	0.00	0.14	-0.36	
04.22.2021	22:17:51	S	3418.86	W	140.73	56	57	6	187.24	21.30	50	10.51	0.00	0.12	-0.36	
04.22.2021	22:18:49	S	3418.87	W	140.49	56	56	5	187.50	21.34	51	10.49	0.00	0.17	-0.37	
04.22.2021	22:19:49	S	3418.88	W	140.27	54	56	3	187.59	21.29	52	10.51	0.00	0.15	-0.36	
04.22.2021	22:20:49	S	3418.89	W	140.01	56	57	2	187.54	21.27	54	10.51	0.00	0.14	1.16	
04.22.2021	22:21:49	S	3418.91	W	139.76	52	53	2	187.74	21.34	50	10.51	0.00	0.14	1.24	
04.22.2021	22:22:49	S	3418.92	W	139.54	47	49	-1	187.70	21.28	48	10.52	0.00	0.15	1.26	
04.22.2021	22:23:49	S	3418.93	W	139.29	54	55	5	187.43	21.20	49	10.51	0.00	0.14	1.54	
04.22.2021	22:24:49	S	3418.94	W	139.05	51	51	6	187.52	21.21	44	10.52	0.00	0.15	1.33	
04.22.2021	22:25:49	S	3418.95	W	138.81	47	49	-0	187.54	21.20	47	10.53	0.00	0.14	-0.36	
04.22.2021	22:26:49	S	3418.95	W	138.59	57	58	3	187.52	21.21	55	10.51	0.00	0.15	-0.36	
04.22.2021	22:27:49	S	3418.96	W	138.37	52	52	7	186.87	21.08	45	10.53	0.00	0.15	-0.34	
04.22.2021	22:28:47	S	3418.98	W	138.09	53	55	2	186.76	21.14	51	10.51	0.00	0.15	-0.36	
04.22.2021	22:29:47	S	3418.99	W	137.86	54	56	1	186.55	21.14	54	10.51	0.00	0.15	-0.36	
04.22.2021	22:30:47	S	3419.01	W	137.61	52	52	6	186.39	21.16	45	10.52	0.00	0.18	1.30	
04.22.2021	22:31:47	S	3419.02	W	137.4	53	55	4	186.09	21.11	50	10.51	0.00	0.13	1.37	
04.22.2021	22:32:47	S	3419.03	W	137.14	53	54	6	186.20	21.11	47	10.51	0.00	0.14	1.33	
04.22.2021	22:33:47	S	3419.04	W	136.95	48	49	5	186.13	21.11	43	10.51	0.00	0.16	1.23	
04.22.2021	22:34:47	S	3419.05	W	136.68	55	57	6	186.20	21.10	50	10.51	0.00	0.13	1.17	
04.22.2021	22:35:47	S	3419.06	W	136.42	55	56	9	186.18	21.11	46	10.52	0.00	0.14	-0.36	
04.22.2021	22:36:47	S	3419.07	W	136.2	52	53	5	186.35	21.09	47	10.51	0.00	0.14	-0.36	
04.22.2021	22:37:47	S	3419.08	W	135.96	55	56	2	186.20	21.09	53	10.50	0.00	0.12	-0.34	
04.22.2021	22:38:48	S	3419.1	W	135.7	54	54	5	186.20	21.07	48	10.50	0.00	0.14	-0.38	
04.22.2021	22:39:48	S	3419.11	W	135.45	47	48	-3	186.48	21.14	49	10.51	0.00	0.15	-0.35	
04.22.2021	22:40:48	S	3419.12	W	135.25	57	57	3	186.46	21.14	54	10.51	0.00	0.15	1.72	
04.22.2021	22:41:48	S	3419.13	W	135.01	49	49	1	186.24	21.04	46	10.49	0.00	0.14	-0.37	
04.22.2021	22:42:48	S	3419.14	W	134.77	50	50	2	186.37	21.08	47	10.52	0.00	0.12	-0.36	
04.22.2021	22:43:48	S	3419.15	W	134.52	53	54	0	186.83	21.12	52	10.51	0.00	0.14	-0.37	
04.22.2021	22:44:48	S	3419.16	W	134.26	56	57	3	186.78	21.08	53	10.51	0.00	0.15	-0.36	
04.22.2021	22:45:48	S	3419.17	W	134.03	50	50	4	186.96	21.08	45	10.51	0.00	0.16	1.83	
04.22.2021	22:46:48	S	3419.18	W	133.79	52	53	1	186.91	21.10	50	10.51	0.00	0.15	1.75	
04.22.2021	22:47:48	S	3419.19	W	133.53	53	54	6	186.96	21.09	47	10.52	0.00	0.16	1.61	
04.22.2021	22:48:56	S	3419.2	W	133.33	47	49	1	186.78	21.01	46	10.52	0.00	0.15	1.61	
04.22.2021	22:49:56	S	3419.21	W	133.07	59	59	5	187.00	21.08	54	10.51	0.00	0.13	1.50	
04.22.2021	22:50:56	S	3419.22	W	132.86	57	56	3	186.98	21.09	54	10.52	0.00	0.14	-0.33	

3. Sampling Data (20210422)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0						Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	22:51:56	S	3419.23	W	132.6	48	50	-1	186.70	21.01	50	10.49	0.00	0.14	-0.36
04.22.2021	22:52:56	S	3419.24	W	132.35	53	54	4	186.83	21.10	49	10.53	0.00	0.14	-0.36
04.22.2021	22:53:56	S	3419.25	W	132.12	51	52	1	186.50	21.04	50	10.56	0.00	0.14	-0.37
04.22.2021	22:54:56	S	3419.26	W	131.89	49	51	2	186.59	21.05	47	10.52	0.00	0.14	-0.37
04.22.2021	22:55:56	S	3419.26	W	131.62	54	55	5	186.46	21.00	49	10.51	0.00	0.16	-0.36
04.22.2021	22:56:56	S	3419.27	W	131.43	52	52	6	186.35	20.95	46	10.50	0.00	0.15	1.50
04.22.2021	22:57:56	S	3419.28	W	131.16	54	56	5	186.59	20.99	49	10.51	0.00	0.15	1.44
04.22.2021	22:58:51	S	3419.29	W	130.91	52	54	4	186.65	21.03	50	10.51	0.00	0.13	1.54
04.22.2021	22:59:51	S	3419.3	W	130.68	51	51	3	186.41	20.95	48	10.51	0.00	0.14	1.65
04.22.2021	23:00:51	S	3419.31	W	130.45	56	57	1	186.48	20.93	54	10.51	0.00	0.13	1.45
04.22.2021	23:01:51	S	3419.32	W	130.22	53	54	6	186.55	20.93	47	10.51	0.00	0.15	-0.36
04.22.2021	23:02:51	S	3419.33	W	129.98	49	49	3	186.72	20.95	45	10.51	0.00	0.14	-0.38
04.22.2021	23:03:51	S	3419.34	W	129.73	54	55	0	186.72	20.95	53	10.52	0.00	0.13	-0.36
04.22.2021	23:04:51	S	3419.35	W	129.47	56	56	5	186.78	20.85	50	10.51	0.00	0.13	-0.34
04.22.2021	23:05:51	S	3419.36	W	129.24	46	48	2	186.96	20.86	46	10.51	0.00	0.15	-0.36
04.22.2021	23:06:51	S	3419.37	W	129.02	55	56	4	187.11	20.88	50	10.51	0.00	0.15	1.92
04.22.2021	23:07:51	S	3419.39	W	128.78	53	53	7	187.11	20.83	46	10.50	0.00	0.15	1.85
04.22.2021	23:08:48	S	3419.41	W	128.54	49	49	3	187.41	20.91	46	10.52	0.00	0.15	1.59
04.22.2021	23:09:48	S	3419.42	W	128.31	53	54	-1	187.28	20.85	54	10.51	0.00	0.15	1.58
04.22.2021	23:10:48	S	3419.43	W	128.08	53	54	2	187.61	20.88	51	10.51	0.00	0.14	1.81
04.22.2021	23:11:48	S	3419.44	W	127.84	51	52	3	187.37	20.83	48	10.52	0.00	0.13	-0.37
04.22.2021	23:12:48	S	3419.46	W	127.61	51	51	1	187.48	20.86	49	10.52	0.00	0.14	-0.36
04.22.2021	23:13:48	S	3419.47	W	127.37	50	51	2	187.28	20.88	48	10.51	0.00	0.14	-0.38
04.22.2021	23:14:48	S	3419.48	W	127.13	47	49	2	186.98	20.77	45	10.50	0.00	0.12	-0.36
04.22.2021	23:15:48	S	3419.49	W	126.9	55	55	6	186.98	20.78	48	10.51	0.00	0.15	-0.36
04.22.2021	23:16:48	S	3419.49	W	126.66	52	52	8	186.70	20.75	43	10.52	0.00	0.16	1.84
04.22.2021	23:17:48	S	3419.5	W	126.43	52	53	3	186.68	20.80	48	10.51	0.00	0.17	1.81
04.22.2021	23:18:48	S	3419.51	W	126.2	56	56	5	186.57	20.83	51	10.53	0.00	0.15	1.76
04.22.2021	23:19:48	S	3419.51	W	125.97	47	48	1	186.28	20.80	46	10.51	0.00	0.16	1.66
04.22.2021	23:20:48	S	3419.52	W	125.74	51	53	0	186.26	20.80	51	10.51	0.00	0.13	1.73
04.22.2021	23:21:48	S	3419.53	W	125.5	55	57	2	186.15	20.80	54	10.51	0.00	0.14	2.06
04.22.2021	23:22:48	S	3419.54	W	125.27	50	51	3	186.13	20.83	47	10.51	0.00	0.13	-0.38
04.22.2021	23:23:48	S	3419.55	W	125.03	55	57	6	185.98	20.78	48	10.51	0.00	0.12	-0.36
04.22.2021	23:24:48	S	3419.56	W	124.78	53	54	7	185.94	20.80	46	10.51	0.00	0.12	-0.35
04.22.2021	23:25:48	S	3419.57	W	124.58	47	49	6	185.96	20.81	41	10.51	0.00	0.13	-0.37
04.22.2021	23:26:48	S	3419.59	W	124.32	53	53	6	186.05	20.81	47	10.51	0.00	0.15	-0.35
04.22.2021	23:27:48	S	3419.6	W	124.11	54	53	7	186.28	20.89	46	10.50	0.00	0.16	1.95
04.22.2021	23:28:49	S	3419.6	W	123.9	48	49	6	186.20	20.85	42	10.52	0.00	0.15	1.89

3. Sampling Data (20210422)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.22.2021	23:29:49	S	3419.61	W	123.63	53	53	2	186.35	20.81	50	10.50	0.00	0.14	1.86	
04.22.2021	23:30:49	S	3419.62	W	123.42	53	53	4	186.41	20.86	49	10.51	0.00	0.14	2.02	
04.22.2021	23:31:49	S	3419.63	W	123.19	52	54	1	186.39	20.85	51	10.51	0.00	0.13	2.22	
04.22.2021	23:32:49	S	3419.65	W	122.95	57	58	7	186.78	20.93	50	10.49	0.00	0.13	-0.38	
04.22.2021	23:33:49	S	3419.66	W	122.69	55	55	7	186.72	20.85	47	10.52	0.00	0.11	-0.37	
04.22.2021	23:34:49	S	3419.67	W	122.46	51	52	3	186.83	20.89	48	10.52	0.00	0.13	-0.37	
04.22.2021	23:35:49	S	3419.68	W	122.25	55	55	9	186.98	20.90	46	10.51	0.00	0.14	-0.37	
04.22.2021	23:36:49	S	3419.69	W	122.01	50	50	3	186.83	20.76	47	10.53	0.00	0.12	-0.37	
04.22.2021	23:37:49	S	3419.7	W	121.78	55	57	1	187.24	20.93	54	10.51	0.00	0.15	2.17	
04.22.2021	23:38:51	S	3419.71	W	121.57	58	59	4	187.41	20.90	54	10.51	0.00	0.15	2.03	
04.22.2021	23:39:51	S	3419.72	W	121.29	51	52	2	187.39	20.91	48	10.50	0.00	0.15	2.25	
04.22.2021	23:40:51	S	3419.73	W	121.08	55	57	1	187.39	20.90	54	10.51	0.00	0.15	2.22	
04.22.2021	23:41:51	S	3419.75	W	120.83	56	57	5	187.37	20.91	51	10.51	0.00	0.17	2.17	
04.22.2021	23:42:51	S	3419.76	W	120.62	51	53	4	187.30	20.91	47	10.50	0.00	0.13	-0.38	
04.22.2021	23:43:51	S	3419.78	W	120.38	56	58	7	187.28	20.96	50	10.53	0.00	0.14	-0.37	
04.22.2021	23:44:50	S	3419.79	W	120.18	57	57	9	187.11	20.97	48	10.52	0.00	0.14	-0.36	
04.22.2021	23:45:50	S	3419.8	W	119.93	55	56	7	186.81	20.88	49	10.50	0.00	0.14	-0.38	
04.22.2021	23:46:50	S	3419.81	W	119.69	59	60	3	186.89	20.96	56	10.50	0.00	0.13	-0.35	
04.22.2021	23:47:50	S	3419.82	W	119.47	59	59	9	187.02	21.01	50	10.50	0.00	0.15	-0.36	
04.22.2021	23:48:48	S	3419.84	W	119.22	52	54	3	186.98	20.97	49	10.51	0.00	0.16	1.96	
04.22.2021	23:49:48	S	3419.86	W	118.98	60	61	8	186.87	20.94	51	10.52	0.00	0.17	2.06	
04.22.2021	23:50:48	S	3419.87	W	118.77	54	54	2	187.09	20.98	52	10.51	0.00	0.15	2.10	
04.22.2021	23:51:48	S	3419.89	W	118.52	54	56	3	187.07	20.99	51	10.53	0.00	0.15	2.10	
04.22.2021	23:52:48	S	3419.9	W	118.27	54	55	5	187.11	20.98	49	10.51	0.00	0.12	2.24	
04.22.2021	23:53:48	S	3419.92	W	118.05	50	51	5	186.83	20.93	46	10.52	0.00	0.13	-0.38	
04.22.2021	23:54:48	S	3419.92	W	117.82	52	54	2	187.17	20.98	49	10.51	0.00	0.04	-0.37	
04.22.2021	23:55:48	S	3419.92	W	117.58	60	61	6	187.17	20.95	54	10.53	0.00	0.13	-0.39	
04.22.2021	23:56:48	S	3419.94	W	117.32	53	53	4	187.30	21.01	49	10.52	0.00	0.14	-0.36	
04.22.2021	23:57:48	S	3419.94	W	117.09	53	55	1	187.09	20.95	52	10.39	0.00	0.15	-0.35	
04.22.2021	23:58:57	S	3419.95	W	116.88	53	54	2	187.33	21.03	51	10.51	0.00	0.16	2.18	
04.22.2021	23:59:57	S	3419.95	W	116.67	50	51	4	187.07	20.95	47	10.50	0.00	0.15	2.05	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	00:00:57	S	3419.96	W	116.39	10.1	4.7	2.1	55.6	56.3	-0.1	-0.3	321.0	8.14	108.7	
04.23.2021	00:01:57	S	3419.97	W	116.16	6.5	4.6	1.4	52.2	58.0	0.0	-0.2	323.6	8.16	108.7	
04.23.2021	00:02:57	S	3419.97	W	115.93	11.6	4.6	2.5	53.8	57.5	-0.1	-0.2	321.4	8.18	108.7	
04.23.2021	00:03:57	S	3419.98	W	115.68	11.1	4.7	2.3	53.7	58.0	-0.0	-0.3	321.7	8.18	108.7	
04.23.2021	00:04:57	S	3419.99	W	115.44	7.7	4.6	1.6	55.5	58.0	-0.1	-0.3	322.3	8.18	108.7	
04.23.2021	00:05:57	S	3419.99	W	115.2	16.5	4.7	3.5	52.1	58.6	-0.0	-0.3	322.7	8.18	108.7	
04.23.2021	00:06:57	S	3420	W	115	10.4	4.7	2.2	50.6	57.5	0.0	-0.3	323.3	8.14	108.7	
04.23.2021	00:07:57	S	3420.01	W	114.72	9.2	4.6	1.9	52.4	57.5	-0.0	-0.2	324.1	8.16	108.7	
04.23.2021	00:08:56	S	3420.02	W	114.49	7.9	4.6	1.7	49.5	59.3	-0.1	-0.3	320.6	8.18	108.7	
04.23.2021	00:09:56	S	3420.02	W	114.28	12.0	4.6	2.6	55.4	59.4	-0.1	-0.3	323.1	8.16	108.7	
04.23.2021	00:10:56	S	3420.03	W	114	8.4	4.7	1.8	62.2	58.9	-0.0	-0.3	319.0	8.16	108.7	
04.23.2021	00:11:56	S	3420.03	W	113.75	8.4	4.7	1.8	58.3	57.8	0.0	-0.2	317.0	8.14	108.7	
04.23.2021	00:12:56	S	3420.04	W	113.54	11.5	4.7	2.4	48.8	57.4	-0.0	-0.3	315.2	8.18	108.7	
04.23.2021	00:13:56	S	3420.05	W	113.3	11.6	4.6	2.5	47.5	56.8	-0.0	-0.3	315.7	8.18	108.7	
04.23.2021	00:14:56	S	3420.06	W	113.02	9.2	4.6	1.9	53.0	57.6	-0.1	-0.3	321.2	8.16	108.7	
04.23.2021	00:15:56	S	3420.07	W	112.81	11.8	4.6	2.5	57.7	56.6	-0.1	-0.3	320.6	8.13	108.7	
04.23.2021	00:16:56	S	3420.08	W	112.57	12.5	4.6	2.7	47.8	56.1	-0.0	-0.3	320.6	8.16	108.7	
04.23.2021	00:17:56	S	3420.09	W	112.32	8.6	4.6	1.8	57.6	60.5	0.0	-0.2	322.0	8.16	108.7	
04.23.2021	00:18:48	S	3420.09	W	112.09	9.1	4.6	1.9	56.3	59.2	-0.1	-0.3	323.4	8.18	108.7	
04.23.2021	00:19:48	S	3420.1	W	111.83	13.0	4.6	2.8	53.7	57.3	0.0	-0.2	323.0	8.18	108.7	
04.23.2021	00:20:48	S	3420.1	W	111.58	11.6	4.6	2.5	55.9	58.2	-0.1	-0.3	322.0	8.13	108.7	
04.23.2021	00:21:48	S	3420.11	W	111.35	9.4	4.6	2.0	47.2	66.2	0.0	-0.2	320.8	8.16	108.7	
04.23.2021	00:22:48	S	3420.11	W	111.13	7.8	4.6	1.6	45.9	63.4	-0.1	-0.3	320.4	8.18	108.7	
04.23.2021	00:23:48	S	3420.11	W	110.84	13.7	4.6	2.9	52.6	63.7	0.0	-0.2	321.4	8.18	108.7	
04.23.2021	00:24:48	S	3420.12	W	110.63	10.0	4.7	2.1	56.8	63.4	-0.1	-0.3	321.2	8.16	108.7	
04.23.2021	00:25:48	S	3420.13	W	110.36	6.7	4.7	1.4	48.4	64.2	-0.0	-0.3	317.0	8.18	108.7	
04.23.2021	00:26:48	S	3420.14	W	110.13	9.3	4.6	2.0	49.5	63.4	0.0	-0.3	316.7	8.16	108.7	
04.23.2021	00:27:48	S	3420.15	W	109.89	12.1	4.6	2.6	52.6	63.7	0.0	-0.2	315.9	8.16	108.7	
04.23.2021	00:28:48	S	3420.15	W	109.65	10.2	4.7	2.1	52.8	63.9	0.0	-0.2	315.3	8.16	108.7	
04.23.2021	00:29:48	S	3420.16	W	109.41	11.3	4.7	2.4	50.5	64.1	-0.1	-0.3	312.7	8.18	108.7	
04.23.2021	00:30:48	S	3420.17	W	109.16	9.3	4.7	2.0	51.5	63.5	-0.1	-0.3	317.3	8.14	108.7	
04.23.2021	00:31:48	S	3420.18	W	108.93	11.9	4.7	2.5	48.9	63.3	-0.1	-0.3	318.5	8.18	108.7	
04.23.2021	00:32:48	S	3420.18	W	108.65	7.5	4.7	1.5	51.3	63.9	-0.0	-0.2	320.5	8.18	108.7	
04.23.2021	00:33:48	S	3420.19	W	108.43	12.0	4.6	2.6	54.5	63.9	-0.0	-0.2	322.2	8.16	108.7	
04.23.2021	00:34:48	S	3420.2	W	108.2	10.5	4.6	2.3	51.1	64.9	-0.1	-0.3	322.9	8.16	108.7	
04.23.2021	00:35:48	S	3420.21	W	107.92	9.9	4.7	2.1	56.5	65.5	-0.1	-0.4	322.4	8.18	108.7	
04.23.2021	00:36:48	S	3420.22	W	107.7	10.1	4.6	2.1	55.7	65.3	0.0	-0.2	321.9	8.14	108.7	
04.23.2021	00:37:48	S	3420.22	W	107.44	13.6	4.6	2.9	46.9	66.5	0.0	-0.2	323.3	8.18	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	00:38:52	S	3420.22	W	107.2	12.0	4.7	2.5	52.6	64.1	-0.0	-0.3	321.9	8.14	108.7
04.23.2021	00:39:52	S	3420.23	W	107	14.5	4.7	3.1	58.0	56.9	-0.1	-0.3	320.7	8.14	108.7
04.23.2021	00:40:52	S	3420.24	W	106.73	13.4	4.7	2.8	58.4	57.1	0.0	-0.3	322.5	8.18	108.7
04.23.2021	00:41:52	S	3420.25	W	106.49	12.0	4.6	2.6	50.6	56.9	-0.1	-0.3	317.6	8.15	108.5
04.23.2021	00:42:52	S	3420.26	W	106.25	8.2	4.6	1.7	50.8	57.3	0.0	-0.2	320.1	8.16	108.7
04.23.2021	00:43:52	S	3420.27	W	106	11.7	4.6	2.5	50.7	56.7	-0.1	-0.3	315.0	8.18	108.7
04.23.2021	00:44:52	S	3420.27	W	105.74	14.2	4.7	2.9	52.2	57.2	-0.0	-0.3	317.8	8.14	108.7
04.23.2021	00:45:52	S	3420.27	W	105.53	10.0	4.7	2.1	56.0	57.7	-0.1	-0.2	310.9	8.18	108.7
04.23.2021	00:46:52	S	3420.28	W	105.27	12.5	4.7	2.6	57.3	60.4	-0.0	-0.3	318.2	8.18	108.7
04.23.2021	00:47:52	S	3420.28	W	105.04	8.0	4.7	1.7	47.3	58.0	-0.1	-0.3	317.4	8.16	108.7
04.23.2021	00:48:56	S	3420.28	W	104.81	12.2	4.7	2.5	50.4	56.8	0.0	-0.2	317.0	8.16	108.7
04.23.2021	00:49:56	S	3420.28	W	104.58	8.3	4.7	1.8	51.1	57.5	-0.1	-0.3	323.1	8.18	108.7
04.23.2021	00:50:56	S	3420.29	W	104.31	10.9	4.7	2.3	50.0	57.6	-0.1	-0.3	322.1	8.16	108.7
04.23.2021	00:51:56	S	3420.29	W	104.08	14.5	4.7	3.1	53.5	58.3	-0.1	-0.3	321.7	8.18	108.7
04.23.2021	00:52:56	S	3420.3	W	103.83	9.3	4.7	1.9	51.2	57.3	-0.1	-0.3	322.3	8.18	108.7
04.23.2021	00:53:56	S	3420.31	W	103.61	7.3	4.7	1.5	53.7	58.2	-0.1	-0.3	323.1	8.18	108.7
04.23.2021	00:54:56	S	3420.31	W	103.36	13.0	4.6	2.8	50.2	58.2	0.0	-0.2	322.2	8.16	108.7
04.23.2021	00:55:56	S	3420.31	W	103.13	14.6	4.7	3.1	52.5	57.9	-0.1	-0.3	319.7	8.18	108.7
04.23.2021	00:56:56	S	3420.32	W	102.88	9.9	4.7	2.1	55.1	57.3	-0.1	-0.3	321.4	8.18	108.7
04.23.2021	00:57:56	S	3420.32	W	102.66	7.7	4.7	1.6	53.9	58.7	-0.1	-0.3	319.9	8.18	108.7
04.23.2021	00:58:52	S	3420.33	W	102.39	12.4	4.6	2.7	49.6	58.2	0.0	-0.2	317.6	8.18	108.7
04.23.2021	00:59:52	S	3420.34	W	102.14	12.0	4.7	2.5	50.4	58.4	-0.0	-0.3	315.6	8.18	108.7
04.23.2021	01:00:52	S	3420.34	W	101.91	7.0	4.7	1.4	52.5	56.5	-0.0	-0.2	315.6	8.18	108.7
04.23.2021	01:01:52	S	3420.34	W	101.7	12.6	4.7	2.6	49.2	56.3	-0.1	-0.3	313.8	8.18	108.7
04.23.2021	01:02:52	S	3420.35	W	101.46	12.5	4.7	2.6	55.9	56.1	-0.0	-0.3	315.2	8.16	108.7
04.23.2021	01:03:52	S	3420.35	W	101.21	7.5	4.7	1.6	53.4	55.9	-0.0	-0.2	318.7	8.18	108.7
04.23.2021	01:04:52	S	3420.36	W	100.93	9.2	4.6	1.9	53.2	63.8	-0.1	-0.4	320.7	8.16	108.7
04.23.2021	01:05:52	S	3420.37	W	100.71	12.2	4.7	2.5	56.4	62.7	-0.0	-0.3	320.1	8.18	108.7
04.23.2021	01:06:52	S	3420.38	W	100.47	10.6	4.6	2.2	49.6	63.0	0.0	-0.2	322.6	8.18	108.7
04.23.2021	01:07:52	S	3420.39	W	100.24	10.0	4.6	2.1	51.9	64.7	0.0	-0.2	322.7	8.18	108.7
04.23.2021	01:08:48	S	3420.41	W	59.98	11.5	4.7	2.4	46.7	63.1	-0.0	-0.2	323.6	8.16	108.7
04.23.2021	01:09:48	S	3420.42	W	59.76	9.0	4.6	1.9	55.2	64.3	-0.0	-0.3	321.2	8.18	108.7
04.23.2021	01:10:48	S	3420.42	W	59.49	9.1	4.7	1.9	54.2	64.6	-0.1	-0.3	321.2	8.16	108.7
04.23.2021	01:11:48	S	3420.43	W	59.27	10.2	4.7	2.1	49.8	63.5	-0.1	-0.3	320.6	8.14	108.7
04.23.2021	01:12:48	S	3420.43	W	59	10.0	4.7	2.1	57.0	64.1	-0.1	-0.3	319.4	8.18	108.7
04.23.2021	01:13:48	S	3420.44	W	58.8	10.6	4.7	2.2	55.6	64.9	-0.1	-0.3	317.3	8.14	108.7
04.23.2021	01:14:48	S	3420.45	W	58.55	9.1	4.6	1.9	45.0	64.4	-0.0	-0.3	316.6	8.18	108.7
04.23.2021	01:15:48	S	3420.46	W	58.3	10.8	4.6	2.3	57.7	65.4	-0.0	-0.2	315.8	8.16	108.7

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	01:16:48	S	3420.47	W	58.03	9.1	4.7	1.9	44.8	63.8	-0.0	-0.3	314.5	8.15	108.5	
04.23.2021	01:17:48	S	3420.47	W	57.79	10.6	4.6	2.2	49.8	63.8	-0.1	-0.3	319.0	8.16	108.7	
04.23.2021	01:18:51	S	3420.48	W	57.54	9.0	4.6	1.9	51.8	64.5	-0.0	-0.3	312.4	8.18	108.7	
04.23.2021	01:19:51	S	3420.49	W	57.34	14.0	4.7	2.9	57.8	64.3	-0.0	-0.3	320.3	8.16	108.7	
04.23.2021	01:20:51	S	3420.5	W	57.06	11.6	4.7	2.4	52.0	64.4	0.0	-0.2	321.2	8.16	108.7	
04.23.2021	01:21:51	S	3420.51	W	56.81	11.8	4.7	2.5	54.3	66.5	0.1	-0.2	322.1	8.16	108.7	
04.23.2021	01:22:51	S	3420.53	W	56.58	13.3	4.7	2.8	53.3	65.0	-0.1	-0.2	323.2	8.18	108.7	
04.23.2021	01:23:51	S	3420.54	W	56.34	13.0	4.7	2.7	55.5	67.2	-0.0	-0.2	323.0	8.16	108.7	
04.23.2021	01:24:51	S	3420.56	W	56.09	7.1	4.6	1.5	52.0	60.0	0.0	-0.2	321.8	8.18	108.7	
04.23.2021	01:25:51	S	3420.58	W	55.84	12.1	4.6	2.5	51.9	60.4	-0.0	-0.3	322.8	8.16	108.7	
04.23.2021	01:26:51	S	3420.59	W	55.63	9.4	4.6	2.0	47.0	57.0	-0.1	-0.3	320.7	8.17	108.5	
04.23.2021	01:27:51	S	3420.61	W	55.36	14.0	4.6	3.0	51.7	57.5	-0.1	-0.4	321.8	8.18	108.7	
04.23.2021	01:28:54	S	3420.62	W	55.13	11.0	4.7	2.3	54.1	57.5	0.0	-0.2	319.4	8.18	108.7	
04.23.2021	01:29:54	S	3420.63	W	54.89	13.4	4.6	2.9	47.9	56.9	-0.1	-0.3	320.2	8.18	108.7	
04.23.2021	01:30:54	S	3420.64	W	54.63	12.0	4.6	2.6	49.5	57.0	-0.1	-0.3	316.0	8.18	108.7	
04.23.2021	01:31:54	S	3420.66	W	54.37	8.3	4.6	1.8	52.5	57.3	-0.2	-0.4	318.2	8.18	108.7	
04.23.2021	01:32:54	S	3420.67	W	54.17	8.5	4.6	1.8	55.5	56.9	0.0	-0.2	312.9	8.17	108.5	
04.23.2021	01:33:54	S	3420.69	W	53.88	12.8	4.6	2.8	49.7	57.1	0.0	-0.3	318.0	8.15	108.5	
04.23.2021	01:34:54	S	3420.7	W	53.65	10.3	4.6	2.2	58.9	57.2	-0.2	-0.4	316.0	8.18	108.7	
04.23.2021	01:35:54	S	3420.71	W	53.41	9.4	4.6	2.0	50.6	57.2	0.1	-0.2	320.0	8.18	108.7	
04.23.2021	01:36:54	S	3420.72	W	53.17	11.9	4.7	2.5	50.3	56.4	-0.1	-0.3	319.1	8.18	108.7	
04.23.2021	01:37:54	S	3420.74	W	52.93	12.5	4.7	2.6	49.3	57.6	0.1	-0.1	323.1	8.18	108.7	
04.23.2021	01:38:48	S	3420.75	W	52.66	8.4	4.7	1.8	54.6	58.2	0.1	-0.2	322.9	8.18	108.7	
04.23.2021	01:39:48	S	3420.77	W	52.41	11.6	4.6	2.5	52.2	57.3	-0.0	-0.2	323.4	8.18	108.7	
04.23.2021	01:40:48	S	3420.79	W	52.15	13.4	4.7	2.8	51.5	57.5	-0.1	-0.4	321.1	8.18	108.7	
04.23.2021	01:41:48	S	3420.8	W	51.93	9.7	4.6	2.1	52.1	57.6	-0.1	-0.3	322.1	8.18	108.7	
04.23.2021	01:42:48	S	3420.82	W	51.67	9.4	4.6	2.0	48.8	56.9	0.0	-0.2	320.1	8.12	108.2	
04.23.2021	01:43:48	S	3420.83	W	51.41	12.2	4.6	2.6	51.2	57.1	-0.1	-0.4	320.9	8.16	108.7	
04.23.2021	01:44:48	S	3420.85	W	51.15	13.3	4.7	2.8	52.8	60.9	0.1	-0.2	320.0	8.14	108.7	
04.23.2021	01:45:48	S	3420.86	W	50.91	10.3	4.7	2.2	53.6	60.3	-0.1	-0.4	319.0	8.18	108.7	
04.23.2021	01:46:48	S	3420.87	W	50.75	10.7	4.7	2.2	50.2	59.7	0.0	-0.2	318.5	8.18	108.7	
04.23.2021	01:47:48	S	3420.87	W	50.75	12.4	4.7	2.6	51.7	56.3	-0.1	-0.4	317.3	8.16	108.7	
04.23.2021	01:48:54	S	3420.9	W	50.21	12.0	4.6	2.6	52.5	63.3	0.0	-0.2	316.3	8.15	108.5	
04.23.2021	01:49:54	S	3420.92	W	49.95	7.4	4.7	1.5	54.8	63.2	-0.1	-0.4	316.5	8.18	108.7	
04.23.2021	01:50:54	S	3420.93	W	49.69	10.6	4.7	2.2	56.6	63.7	-0.0	-0.3	318.3	8.15	108.5	
04.23.2021	01:51:54	S	3420.94	W	49.43	10.2	4.7	2.1	50.6	63.2	-0.1	-0.3	319.6	8.15	108.5	
04.23.2021	01:52:54	S	3420.96	W	49.22	10.6	4.7	2.2	52.2	63.1	0.1	-0.1	320.9	8.12	108.2	
04.23.2021	01:53:54	S	3420.97	W	48.96	9.7	4.7	2.0	54.4	64.0	-0.0	-0.3	323.2	8.18	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	01:54:54	S	3420.99	W	48.71	12.4	4.6	2.7	53.1	63.7	0.1	-0.1	325.0	8.18	108.7
04.23.2021	01:55:54	S	3421	W	48.45	12.1	4.7	2.5	48.7	63.6	-0.1	-0.4	321.5	8.18	108.7
04.23.2021	01:56:54	S	3421.02	W	48.21	8.8	4.7	1.9	53.4	64.4	0.0	-0.2	323.6	8.12	108.2
04.23.2021	01:57:54	S	3421.04	W	47.97	11.0	4.6	2.3	55.5	65.0	-0.0	-0.3	322.6	8.15	108.5
04.23.2021	01:58:56	S	3421.05	W	47.72	13.1	4.6	2.8	49.3	63.8	-0.1	-0.3	322.8	8.13	108.1
04.23.2021	01:59:56	S	3421.06	W	47.45	8.8	4.6	1.9	57.0	65.6	-0.1	-0.3	319.9	8.12	108.2
04.23.2021	02:00:56	S	3421.07	W	47.21	10.2	4.6	2.1	50.8	64.0	0.0	-0.2	317.4	8.15	108.5
04.23.2021	02:01:56	S	3421.09	W	46.98	11.1	4.7	2.3	57.2	64.7	0.1	-0.2	316.9	8.15	108.5
04.23.2021	02:02:56	S	3421.1	W	46.72	10.7	4.6	2.2	52.3	63.9	-0.1	-0.3	317.0	8.18	108.7
04.23.2021	02:03:56	S	3421.11	W	46.48	10.4	4.7	2.2	52.4	64.2	-0.0	-0.3	316.3	8.17	108.5
04.23.2021	02:04:56	S	3421.13	W	46.21	13.2	4.6	2.8	54.8	65.2	0.0	-0.2	313.6	8.16	108.7
04.23.2021	02:05:56	S	3421.14	W	45.95	11.8	4.6	2.5	54.6	64.6	-0.1	-0.3	315.6	8.18	108.7
04.23.2021	02:06:56	S	3421.15	W	45.72	9.9	4.7	2.1	54.5	64.3	-0.1	-0.3	316.8	8.12	108.2
04.23.2021	02:07:56	S	3421.16	W	45.47	10.7	4.6	2.3	52.2	56.3	-0.1	-0.3	318.6	8.14	108.7
04.23.2021	02:08:50	S	3421.17	W	45.22	12.0	4.7	2.5	55.5	58.9	-0.1	-0.3	321.7	8.14	108.7
04.23.2021	02:09:50	S	3421.18	W	44.94	9.2	4.7	1.9	51.4	59.0	-0.1	-0.3	320.7	8.18	108.7
04.23.2021	02:10:50	S	3421.19	W	44.7	8.3	4.6	1.8	50.0	59.7	-0.1	-0.3	321.8	8.15	108.5
04.23.2021	02:11:50	S	3421.2	W	44.47	11.5	4.7	2.4	53.0	57.5	-0.1	-0.3	323.0	8.18	108.7
04.23.2021	02:12:50	S	3421.21	W	44.2	11.3	4.7	2.4	51.2	57.4	0.0	-0.3	321.8	8.15	108.5
04.23.2021	02:13:50	S	3421.23	W	43.95	9.7	4.6	2.1	47.8	57.1	-0.1	-0.3	321.0	8.18	108.7
04.23.2021	02:14:50	S	3421.24	W	43.67	9.1	4.6	1.9	57.5	57.3	-0.0	-0.2	322.1	8.13	108.1
04.23.2021	02:15:50	S	3421.25	W	43.44	11.4	4.7	2.4	50.4	56.8	0.0	-0.3	319.2	8.14	108.7
04.23.2021	02:16:50	S	3421.26	W	43.17	13.0	4.6	2.8	58.6	57.5	-0.1	-0.4	321.2	8.18	108.7
04.23.2021	02:17:50	S	3421.27	W	42.92	11.6	4.7	2.4	59.0	57.0	-0.0	-0.2	317.0	8.18	108.7
04.23.2021	02:18:53	S	3421.28	W	42.68	14.5	4.7	3.1	49.4	57.6	-0.1	-0.3	316.9	8.18	108.7
04.23.2021	02:19:53	S	3421.29	W	42.41	8.0	4.6	1.7	54.2	58.2	0.0	-0.2	313.0	8.17	108.5
04.23.2021	02:20:53	S	3421.29	W	42.17	14.4	4.6	3.1	51.0	57.7	-0.1	-0.4	317.0	8.15	108.2
04.23.2021	02:21:53	S	3421.29	W	41.91	12.5	4.7	2.6	48.1	57.2	-0.1	-0.3	315.5	8.12	108.2
04.23.2021	02:22:53	S	3421.3	W	41.64	11.8	4.7	2.5	55.1	57.8	-0.1	-0.3	319.9	8.13	108.1
04.23.2021	02:23:53	S	3421.31	W	41.46	10.5	4.6	2.2	51.9	57.3	-0.1	-0.3	318.5	8.18	108.7
04.23.2021	02:24:53	S	3421.31	W	41.46	10.2	4.6	2.1	51.5	56.5	-0.1	-0.4	321.3	8.14	107.9
04.23.2021	02:25:53	S	3421.32	W	40.87	10.8	4.6	2.3	53.0	57.6	-0.1	-0.4	324.0	8.12	108.5
04.23.2021	02:26:53	S	3421.33	W	40.63	7.9	4.6	1.7	51.6	58.5	0.0	-0.2	321.8	8.18	108.7
04.23.2021	02:27:53	S	3421.33	W	40.39	11.6	4.6	2.5	49.1	58.9	0.0	-0.2	322.6	8.18	108.7
04.23.2021	02:28:50	S	3421.34	W	40.13	11.0	4.7	2.3	50.5	59.5	-0.1	-0.3	321.8	8.18	108.7
04.23.2021	02:29:50	S	3421.34	W	39.85	8.6	4.7	1.8	54.0	59.2	0.0	-0.3	321.9	8.15	108.5
04.23.2021	02:30:50	S	3421.34	W	39.64	11.0	4.7	2.3	53.8	59.4	0.0	-0.3	321.5	8.15	108.5
04.23.2021	02:31:50	S	3421.35	W	39.37	13.0	4.6	2.7	53.1	66.2	0.0	-0.2	319.3	8.12	108.2

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	02:32:50	S	3421.35	W	39.14	10.8	4.7	2.3	53.7	65.5	-0.1	-0.3	321.8	8.16	108.1	
04.23.2021	02:33:50	S	3421.37	W	38.84	10.6	4.7	2.2	50.9	65.7	-0.1	-0.3	320.3	8.15	108.0	
04.23.2021	02:34:50	S	3421.37	W	38.61	14.0	4.6	3.0	53.9	65.6	0.0	-0.3	319.3	8.14	108.0	
04.23.2021	02:35:50	S	3421.37	W	38.35	8.0	4.7	1.7	53.8	65.0	-0.1	-0.3	317.5	8.15	108.5	
04.23.2021	02:36:50	S	3421.38	W	38.14	10.3	4.7	2.2	54.6	67.3	0.0	-0.2	315.3	8.15	108.5	
04.23.2021	02:37:50	S	3421.38	W	37.88	12.0	4.7	2.5	56.1	67.2	0.0	-0.2	315.3	8.18	108.4	
04.23.2021	02:38:49	S	3421.39	W	37.6	11.3	4.7	2.4	55.9	66.8	-0.0	-0.3	317.8	8.15	108.4	
04.23.2021	02:39:49	S	3421.4	W	37.35	10.0	4.7	2.1	49.6	66.9	-0.0	-0.3	319.4	8.17	108.0	
04.23.2021	02:40:49	S	3421.4	W	37.13	9.0	4.7	1.9	49.6	65.3	-0.1	-0.3	321.6	8.13	108.1	
04.23.2021	02:41:49	S	3421.41	W	36.87	11.8	4.7	2.5	55.0	65.5	0.0	-0.2	322.1	8.16	108.0	
04.23.2021	02:42:49	S	3421.41	W	36.61	10.4	4.7	2.2	53.4	65.4	0.0	-0.2	321.8	8.15	108.5	
04.23.2021	02:43:49	S	3421.42	W	36.35	7.1	4.7	1.5	50.2	65.1	-0.0	-0.2	323.3	8.14	108.1	
04.23.2021	02:44:49	S	3421.43	W	36.12	10.3	4.7	2.2	49.3	65.5	0.0	-0.2	322.3	8.12	108.2	
04.23.2021	02:45:49	S	3421.43	W	35.85	10.9	4.7	2.3	54.4	66.7	-0.1	-0.3	321.6	8.12	108.2	
04.23.2021	02:46:49	S	3421.43	W	35.63	9.6	4.7	2.0	54.5	66.1	0.0	-0.2	321.5	8.14	107.6	
04.23.2021	02:47:49	S	3421.43	W	35.4	10.5	4.7	2.2	48.6	69.3	-0.0	-0.3	318.2	8.17	107.9	
04.23.2021	02:48:49	S	3421.43	W	35.12	13.5	4.7	2.8	49.6	69.2	-0.1	-0.3	319.4	8.14	107.6	
04.23.2021	02:49:49	S	3421.44	W	34.91	11.7	4.7	2.4	51.6	69.1	-0.1	-0.4	319.4	8.13	107.7	
04.23.2021	02:50:49	S	3421.44	W	34.65	9.8	4.7	2.1	49.4	62.3	-0.0	-0.3	316.4	8.13	107.7	
04.23.2021	02:51:49	S	3421.45	W	34.39	11.8	4.7	2.5	51.4	61.8	0.0	-0.2	315.4	8.12	108.2	
04.23.2021	02:52:49	S	3421.46	W	34.15	12.3	4.6	2.7	51.7	62.4	-0.1	-0.3	313.6	8.17	107.9	
04.23.2021	02:53:49	S	3421.46	W	33.86	9.0	4.6	1.9	51.0	61.7	-0.1	-0.3	313.8	8.15	108.5	
04.23.2021	02:54:49	S	3421.46	W	33.63	10.5	4.7	2.2	55.2	61.9	-0.1	-0.4	317.8	8.15	108.4	
04.23.2021	02:55:49	S	3421.47	W	33.38	11.5	4.7	2.4	53.6	61.1	-0.1	-0.3	320.6	8.15	108.4	
04.23.2021	02:56:49	S	3421.49	W	33.11	10.5	4.7	2.2	56.7	62.3	0.0	-0.2	320.9	8.14	107.6	
04.23.2021	02:57:49	S	3421.5	W	32.87	12.5	4.6	2.7	53.8	62.2	-0.1	-0.4	322.0	8.12	108.2	
04.23.2021	02:58:56	S	3421.51	W	32.63	14.0	4.6	3.0	49.7	63.1	-0.2	-0.4	321.8	8.15	108.4	
04.23.2021	02:59:56	S	3421.52	W	32.4	11.6	4.6	2.5	54.8	62.8	-0.0	-0.3	321.4	8.18	108.7	
04.23.2021	03:00:56	S	3421.52	W	32.14	13.0	4.7	2.7	60.0	61.4	-0.0	-0.2	318.2	8.12	108.2	
04.23.2021	03:01:56	S	3421.53	W	31.91	12.6	4.7	2.6	53.3	61.3	-0.1	-0.3	324.4	8.18	108.7	
04.23.2021	03:02:56	S	3421.54	W	31.64	12.0	4.7	2.5	49.7	62.4	0.0	-0.2	320.2	8.18	108.7	
04.23.2021	03:03:56	S	3421.55	W	31.4	7.2	4.6	1.5	61.7	62.2	-0.1	-0.3	321.0	8.12	108.2	
04.23.2021	03:04:56	S	3421.57	W	31.14	11.0	4.7	2.3	51.5	62.0	-0.0	-0.3	319.3	8.12	108.2	
04.23.2021	03:05:56	S	3421.58	W	30.94	8.2	4.7	1.7	45.7	60.3	-0.0	-0.2	319.8	8.15	108.5	
04.23.2021	03:06:56	S	3421.59	W	30.64	11.4	4.7	2.4	51.5	60.8	-0.0	-0.2	315.7	8.18	108.7	
04.23.2021	03:07:56	S	3421.59	W	30.41	8.2	4.7	1.7	53.7	61.4	-0.0	-0.3	316.9	8.15	108.5	
04.23.2021	03:08:48	S	3421.6	W	30.18	13.4	4.7	2.8	51.9	60.7	-0.0	-0.3	316.8	8.12	108.5	
04.23.2021	03:09:48	S	3421.62	W	29.91	12.2	4.7	2.5	50.8	61.3	-0.1	-0.3	317.6	8.18	108.7	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	03:10:48	S	3421.63	W	29.66	7.5	4.7	1.6	55.5	60.5	0.0	-0.3	317.6	8.18	108.7	
04.23.2021	03:11:48	S	3421.65	W	29.41	12.8	4.7	2.7	49.3	57.2	-0.0	-0.3	320.0	8.12	108.2	
04.23.2021	03:12:48	S	3421.67	W	29.19	13.4	4.7	2.8	55.7	57.5	-0.1	-0.3	321.8	8.14	108.7	
04.23.2021	03:13:48	S	3421.68	W	28.93	9.0	4.7	1.9	51.8	57.8	-0.1	-0.3	321.9	8.18	108.7	
04.23.2021	03:14:48	S	3421.69	W	28.69	10.5	4.6	2.3	57.5	57.9	0.1	-0.2	323.0	8.18	108.3	
04.23.2021	03:15:48	S	3421.7	W	28.44	11.6	4.7	2.4	56.7	64.6	-0.0	-0.3	323.7	8.18	108.7	
04.23.2021	03:16:48	S	3421.71	W	28.18	11.0	4.7	2.3	54.0	64.4	-0.0	-0.2	321.2	8.15	108.5	
04.23.2021	03:17:48	S	3421.73	W	27.94	10.4	4.7	2.2	57.1	64.6	-0.1	-0.3	321.9	8.17	108.3	
04.23.2021	03:18:49	S	3421.74	W	27.7	11.0	4.7	2.3	55.3	64.1	-0.1	-0.3	320.0	8.15	108.5	
04.23.2021	03:19:49	S	3421.74	W	27.65	10.6	4.7	2.2	50.4	64.1	0.0	-0.2	320.7	8.16	108.7	
04.23.2021	03:20:49	S	3421.76	W	27.21	9.5	4.7	2.0	51.2	63.7	-0.1	-0.3	320.2	8.18	108.7	
04.23.2021	03:21:49	S	3421.78	W	26.96	9.9	4.6	2.1	52.0	64.0	0.0	-0.3	320.3	8.18	108.7	
04.23.2021	03:22:49	S	3421.79	W	26.72	12.0	4.7	2.5	53.8	65.4	0.0	-0.2	314.9	8.18	108.7	
04.23.2021	03:23:49	S	3421.81	W	26.46	13.3	4.7	2.8	47.0	63.6	-0.1	-0.3	315.8	8.18	108.7	
04.23.2021	03:24:49	S	3421.83	W	26.2	8.4	4.6	1.8	54.7	64.5	-0.1	-0.3	315.5	8.15	108.5	
04.23.2021	03:25:49	S	3421.84	W	25.95	11.0	4.7	2.3	52.8	64.3	-0.0	-0.2	313.8	8.15	108.5	
04.23.2021	03:26:49	S	3421.86	W	25.74	9.8	4.7	2.1	55.0	65.2	0.0	-0.2	319.0	8.18	108.7	
04.23.2021	03:27:49	S	3421.87	W	25.48	10.5	4.6	2.3	48.6	63.9	-0.1	-0.3	319.2	8.13	108.2	
04.23.2021	03:28:50	S	3421.89	W	25.23	9.6	4.6	2.1	52.4	64.3	0.1	-0.2	321.5	8.12	108.2	
04.23.2021	03:29:49	S	3421.9	W	24.99	14.4	4.7	3.0	52.6	65.5	-0.1	-0.3	322.6	8.16	108.7	
04.23.2021	03:30:49	S	3421.91	W	24.75	10.0	4.7	2.1	51.3	64.6	-0.1	-0.3	323.0	8.18	108.7	
04.23.2021	03:31:49	S	3421.93	W	24.49	9.4	4.7	2.0	52.1	65.4	-0.0	-0.3	323.4	8.16	108.2	
04.23.2021	03:32:49	S	3421.95	W	24.24	11.2	4.7	2.3	54.4	64.7	-0.1	-0.3	321.6	8.18	108.7	
04.23.2021	03:33:49	S	3421.97	W	24	13.1	4.6	2.8	48.8	64.8	-0.0	-0.3	321.5	8.18	108.7	
04.23.2021	03:34:49	S	3421.99	W	23.74	10.8	4.7	2.3	52.0	57.8	-0.1	-0.3	322.6	8.18	108.7	
04.23.2021	03:35:49	S	3422	W	23.46	8.9	4.6	1.9	49.6	57.5	0.0	-0.2	317.5	8.18	108.7	
04.23.2021	03:36:49	S	3422.02	W	23.21	12.6	4.6	2.7	51.9	57.3	-0.1	-0.3	321.0	8.12	108.2	
04.23.2021	03:37:49	S	3422.03	W	23	10.4	4.6	2.2	50.7	57.3	-0.0	-0.2	318.7	8.18	108.7	
04.23.2021	03:38:48	S	3422.05	W	22.73	11.8	4.7	2.5	60.1	56.9	-0.1	-0.3	315.8	8.16	108.7	
04.23.2021	03:39:48	S	3422.07	W	22.47	12.7	4.7	2.6	56.0	56.9	0.0	-0.2	317.7	8.15	108.5	
04.23.2021	03:40:48	S	3422.09	W	22.23	13.8	4.7	2.9	51.8	56.2	0.0	-0.3	317.0	8.12	108.5	
04.23.2021	03:41:48	S	3422.1	W	21.99	8.5	4.6	1.8	52.2	59.6	-0.2	-0.4	311.6	8.18	108.7	
04.23.2021	03:42:48	S	3422.12	W	21.77	11.6	4.7	2.5	53.0	58.8	-0.0	-0.3	319.5	8.18	108.7	
04.23.2021	03:43:48	S	3422.13	W	21.5	15.2	4.7	3.2	54.1	59.1	-0.0	-0.3	318.7	8.16	108.7	
04.23.2021	03:44:48	S	3422.15	W	21.24	10.4	4.7	2.2	52.9	58.7	-0.1	-0.3	318.0	8.16	108.2	
04.23.2021	03:45:48	S	3422.16	W	21	9.1	4.6	1.9	52.6	57.1	0.1	-0.2	322.5	8.18	108.7	
04.23.2021	03:46:48	S	3422.18	W	20.76	11.7	4.6	2.5	55.5	57.8	0.0	-0.2	321.0	8.18	108.7	
04.23.2021	03:47:48	S	3422.19	W	20.49	12.4	4.7	2.6	48.7	57.9	0.0	-0.2	323.1	8.18	108.7	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	03:48:54	S	3422.21	W	20.25	11.0	4.7	2.3	55.7	58.9	0.1	-0.2	322.2	8.18	108.7	
04.23.2021	03:49:54	S	3422.22	W	20	10.0	4.7	2.1	51.2	59.8	-0.0	-0.3	322.2	8.18	108.7	
04.23.2021	03:50:54	S	3422.23	W	19.76	12.6	4.6	2.7	50.4	58.6	-0.0	-0.2	322.4	8.18	108.7	
04.23.2021	03:51:54	S	3422.24	W	19.55	13.0	4.6	2.8	44.7	58.5	-0.1	-0.4	319.9	8.14	108.7	
04.23.2021	03:52:54	S	3422.25	W	19.29	9.6	4.7	2.0	54.7	59.0	0.0	-0.2	320.5	8.18	108.7	
04.23.2021	03:53:54	S	3422.27	W	19.06	14.0	4.7	2.9	52.4	57.5	-0.0	-0.3	318.6	8.18	108.7	
04.23.2021	03:54:54	S	3422.28	W	18.83	13.2	4.6	2.8	49.9	58.1	-0.1	-0.3	318.0	8.16	108.0	
04.23.2021	03:55:54	S	3422.29	W	18.55	8.6	4.6	1.8	55.5	60.3	-0.1	-0.3	314.6	8.14	108.0	
04.23.2021	03:56:54	S	3422.3	W	18.31	8.1	4.6	1.7	53.2	60.5	-0.1	-0.3	315.0	8.15	108.0	
04.23.2021	03:57:54	S	3422.31	W	18.05	11.2	4.7	2.3	55.6	59.7	-0.1	-0.3	315.0	8.17	107.9	
04.23.2021	03:58:57	S	3422.31	W	17.84	10.1	4.7	2.1	48.7	64.3	-0.1	-0.3	315.3	8.13	107.9	
04.23.2021	03:59:57	S	3422.31	W	17.59	10.5	4.7	2.2	59.6	64.0	-0.1	-0.3	319.2	8.15	108.4	
04.23.2021	04:00:57	S	3422.32	W	17.32	10.4	4.6	2.2	52.4	64.2	-0.1	-0.3	323.0	8.15	108.4	
04.23.2021	04:01:57	S	3422.32	W	17.1	12.4	4.7	2.6	48.9	64.9	-0.1	-0.2	322.8	8.17	107.9	
04.23.2021	04:02:57	S	3422.33	W	16.83	10.3	4.7	2.2	53.5	64.7	-0.1	-0.3	321.6	8.13	108.1	
04.23.2021	04:03:57	S	3422.33	W	16.6	11.0	4.6	2.3	55.8	64.3	-0.1	-0.3	324.1	8.17	107.9	
04.23.2021	04:04:57	S	3422.33	W	16.38	10.8	4.7	2.3	55.5	64.3	-0.1	-0.3	323.3	8.13	107.9	
04.23.2021	04:05:57	S	3422.33	W	16.1	8.5	4.7	1.8	56.4	64.6	0.0	-0.2	322.3	8.18	107.6	
04.23.2021	04:06:57	S	3422.33	W	15.9	9.8	4.6	2.1	51.1	63.8	-0.1	-0.3	319.9	8.17	107.9	
04.23.2021	04:07:57	S	3422.33	W	15.66	12.4	4.6	2.7	50.2	64.0	-0.0	-0.3	321.7	8.14	107.6	
04.23.2021	04:08:49	S	3422.33	W	15.41	7.5	4.7	1.6	52.2	63.8	0.0	-0.2	321.7	8.14	107.6	
04.23.2021	04:09:49	S	3422.34	W	15.15	9.1	4.7	1.9	49.0	64.0	-0.0	-0.2	317.8	8.17	107.9	
04.23.2021	04:10:49	S	3422.34	W	14.9	9.0	4.6	1.9	46.5	64.1	-0.1	-0.3	317.7	8.17	107.9	
04.23.2021	04:11:49	S	3422.34	W	14.66	9.0	4.7	1.9	53.2	64.9	-0.0	-0.2	316.7	8.15	107.9	
04.23.2021	04:12:49	S	3422.34	W	14.43	7.8	4.7	1.6	52.8	64.8	0.0	-0.2	315.7	8.17	107.9	
04.23.2021	04:13:49	S	3422.34	W	14.16	10.6	4.7	2.2	51.8	64.4	-0.1	-0.3	314.7	8.13	107.9	
04.23.2021	04:14:49	S	3422.35	W	13.95	12.5	4.6	2.7	47.9	64.3	0.0	-0.2	316.9	8.13	107.9	
04.23.2021	04:15:49	S	3422.35	W	13.69	10.5	4.6	2.2	52.9	64.4	0.0	-0.2	317.5	8.17	107.9	
04.23.2021	04:16:49	S	3422.35	W	13.45	9.0	4.7	1.9	52.8	64.6	0.0	-0.2	322.1	8.17	107.9	
04.23.2021	04:17:49	S	3422.35	W	13.19	12.2	4.7	2.5	50.2	58.0	-0.1	-0.4	322.1	8.17	107.9	
04.23.2021	04:18:53	S	3422.35	W	12.96	10.5	4.7	2.2	54.2	57.8	-0.0	-0.3	322.1	8.17	107.9	
04.23.2021	04:19:53	S	3422.35	W	12.71	9.1	4.6	1.9	50.9	57.9	-0.1	-0.3	321.3	8.13	107.9	
04.23.2021	04:20:53	S	3422.35	W	12.48	13.2	4.6	2.8	52.6	60.9	-0.1	-0.4	321.8	8.14	107.6	
04.23.2021	04:21:53	S	3422.35	W	12.25	9.6	4.7	2.0	54.7	62.0	-0.1	-0.3	320.4	8.13	107.9	
04.23.2021	04:22:53	S	3422.35	W	12.02	7.9	4.6	1.7	56.2	58.6	0.0	-0.2	319.5	8.17	107.9	
04.23.2021	04:23:53	S	3422.36	W	11.77	11.7	4.7	2.4	46.0	57.2	-0.1	-0.3	322.4	8.17	107.9	
04.23.2021	04:24:53	S	3422.36	W	11.49	8.7	4.7	1.8	53.2	57.4	-0.1	-0.3	320.2	8.17	107.9	
04.23.2021	04:25:53	S	3422.37	W	11.26	9.1	4.7	1.9	50.6	57.4	-0.0	-0.3	320.3	8.15	107.9	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	04:26:53	S	3422.38	W	11.04	7.4	4.6	1.6	51.0	57.0	-0.1	-0.3	317.7	8.13	107.9	
04.23.2021	04:27:53	S	3422.38	W	10.75	12.6	4.6	2.7	51.8	56.9	0.0	-0.3	314.3	8.15	107.9	
04.23.2021	04:28:52	S	3422.39	W	10.52	14.4	4.6	3.1	49.8	57.0	-0.1	-0.3	313.4	8.15	107.9	
04.23.2021	04:29:52	S	3422.39	W	10.29	7.8	4.6	1.7	49.7	56.1	-0.1	-0.3	316.1	8.13	107.9	
04.23.2021	04:30:52	S	3422.39	W	10.05	10.0	4.6	2.1	55.7	56.9	-0.1	-0.4	315.1	8.15	107.9	
04.23.2021	04:31:52	S	3422.39	W	9.78	11.2	4.7	2.3	47.4	56.3	0.1	-0.2	316.5	8.13	108.1	
04.23.2021	04:32:52	S	3422.39	W	9.54	11.1	4.7	2.3	54.0	56.9	-0.0	-0.2	320.1	8.17	107.9	
04.23.2021	04:33:52	S	3422.39	W	9.32	7.6	4.6	1.6	55.6	57.2	0.0	-0.2	323.2	8.13	108.1	
04.23.2021	04:34:52	S	3422.4	W	9.06	11.2	4.7	2.3	52.1	57.4	-0.0	-0.2	323.2	8.14	108.7	
04.23.2021	04:35:52	S	3422.41	W	8.79	15.0	4.6	3.2	50.8	57.1	-0.0	-0.2	322.8	8.14	108.0	
04.23.2021	04:36:52	S	3422.42	W	8.53	9.3	4.7	2.0	56.7	57.3	-0.1	-0.3	322.5	8.15	108.0	
04.23.2021	04:37:52	S	3422.44	W	8.3	9.3	4.6	2.0	51.0	56.8	-0.0	-0.3	323.2	8.15	108.2	
04.23.2021	04:38:52	S	3422.45	W	8.07	11.2	4.6	2.4	44.2	57.1	-0.1	-0.3	322.0	8.18	108.7	
04.23.2021	04:39:52	S	3422.46	W	7.82	9.9	4.6	2.1	53.9	59.1	-0.1	-0.3	322.9	8.18	108.7	
04.23.2021	04:40:52	S	3422.47	W	7.56	8.9	4.7	1.8	51.0	58.0	0.0	-0.2	319.4	8.18	108.7	
04.23.2021	04:41:52	S	3422.48	W	7.35	10.2	4.7	2.1	51.3	64.2	-0.0	-0.3	322.4	8.18	108.7	
04.23.2021	04:42:52	S	3422.5	W	7.09	14.9	4.6	3.2	49.9	64.1	-0.1	-0.3	312.6	8.14	107.6	
04.23.2021	04:43:52	S	3422.5	W	6.86	9.7	4.6	2.0	53.0	63.9	-0.0	-0.3	318.2	8.17	107.9	
04.23.2021	04:44:52	S	3422.52	W	6.59	9.0	4.7	1.9	53.6	64.0	0.0	-0.2	312.7	8.18	108.7	
04.23.2021	04:45:52	S	3422.53	W	6.36	12.3	4.7	2.6	53.0	66.7	-0.1	-0.3	315.9	8.18	108.7	
04.23.2021	04:46:52	S	3422.55	W	6.08	13.3	4.6	2.9	51.5	65.8	-0.1	-0.2	316.2	8.14	108.7	
04.23.2021	04:47:52	S	3422.56	W	5.86	9.6	4.6	2.0	51.9	66.5	-0.1	-0.3	320.4	8.18	108.7	
04.23.2021	04:48:49	S	3422.58	W	5.6	11.3	4.6	2.4	52.1	68.1	-0.1	-0.3	323.1	8.18	108.1	
04.23.2021	04:49:49	S	3422.59	W	5.34	9.9	4.7	2.1	55.4	66.2	0.0	-0.2	322.5	8.18	108.7	
04.23.2021	04:50:49	S	3422.6	W	5.07	9.5	4.7	2.0	50.3	65.3	-0.1	-0.3	321.1	8.14	108.7	
04.23.2021	04:51:49	S	3422.62	W	4.83	8.8	4.6	1.9	52.5	65.7	-0.0	-0.3	322.4	8.14	108.7	
04.23.2021	04:52:49	S	3422.63	W	4.6	9.5	4.6	2.0	46.8	65.4	-0.0	-0.2	322.7	8.12	108.2	
04.23.2021	04:53:49	S	3422.64	W	4.3	9.6	4.6	2.1	47.7	66.5	-0.1	-0.3	321.5	8.12	108.2	
04.23.2021	04:54:49	S	3422.65	W	4.08	8.3	4.7	1.8	56.3	66.3	0.0	-0.2	321.8	8.18	108.7	
04.23.2021	04:55:49	S	3422.66	W	3.81	11.0	4.7	2.3	50.3	65.9	-0.1	-0.4	323.2	8.18	108.7	
04.23.2021	04:56:49	S	3422.67	W	3.57	12.5	4.7	2.6	61.3	67.3	-0.1	-0.4	319.6	8.18	108.7	
04.23.2021	04:57:49	S	3422.68	W	3.32	11.3	4.6	2.4	54.4	65.7	-0.1	-0.3	318.2	8.18	108.7	
04.23.2021	04:58:50	S	3422.7	W	3.08	10.8	4.7	2.3	51.0	66.4	-0.0	-0.2	318.2	8.18	108.7	
04.23.2021	04:59:50	S	3422.72	W	2.81	11.0	4.7	2.3	51.6	66.0	0.0	-0.2	317.0	8.18	108.7	
04.23.2021	05:00:50	S	3422.73	W	2.6	10.2	4.6	2.2	52.2	59.6	-0.1	-0.3	316.7	8.18	108.7	
04.23.2021	05:01:50	S	3422.75	W	2.31	7.7	4.6	1.6	50.5	58.1	-0.1	-0.2	315.4	8.18	108.7	
04.23.2021	05:02:50	S	3422.76	W	2.05	11.5	4.7	2.4	57.1	57.8	-0.1	-0.3	318.0	8.18	108.7	
04.23.2021	05:03:50	S	3422.78	W	1.79	13.0	4.6	2.8	54.9	57.5	0.0	-0.2	321.5	8.18	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	05:04:50	S	3422.8	W	1.55	8.8	4.6	1.9	47.1	57.6	-0.1	-0.3	319.2	8.14	108.7
04.23.2021	05:05:50	S	3422.81	W	1.3	12.4	4.6	2.7	57.6	59.7	0.0	-0.2	322.9	8.14	108.7
04.23.2021	05:06:50	S	3422.83	W	1.03	13.1	4.6	2.8	49.8	58.7	-0.1	-0.3	323.0	8.18	108.7
04.23.2021	05:07:50	S	3422.84	W	0.82	12.3	4.6	2.7	53.2	59.3	-0.0	-0.2	321.4	8.18	108.7
04.23.2021	05:08:49	S	3422.85	W	0.55	9.0	4.6	1.9	52.9	59.7	0.0	-0.2	322.1	8.18	108.7
04.23.2021	05:09:49	S	3422.87	W	0.29	13.1	4.6	2.8	55.4	59.4	-0.1	-0.4	321.7	8.18	108.7
04.23.2021	05:10:49	S	3422.88	W	0.02	12.6	4.6	2.7	54.9	59.8	-0.1	-0.3	319.9	8.18	108.7
04.23.2021	05:11:49	S	3422.89	E	0.21	8.5	4.6	1.8	52.0	59.0	-0.0	-0.3	318.7	8.18	108.7
04.23.2021	05:12:49	S	3422.91	E	0.48	9.2	4.6	1.9	53.1	59.2	-0.0	-0.3	318.6	8.18	108.7
04.23.2021	05:13:49	S	3422.92	E	0.76	10.4	4.6	2.2	54.5	59.0	0.0	-0.2	319.4	8.18	108.7
04.23.2021	05:14:49	S	3422.93	E	0.99	8.0	4.6	1.7	52.6	59.9	0.0	-0.2	316.0	8.18	108.7
04.23.2021	05:15:49	S	3422.94	E	1.25	8.8	4.6	1.9	51.7	59.9	-0.0	-0.3	314.0	8.18	108.7
04.23.2021	05:16:49	S	3422.96	E	1.49	12.0	4.6	2.6	53.5	59.5	-0.1	-0.3	315.7	8.18	108.7
04.23.2021	05:17:49	S	3422.97	E	1.76	11.3	4.6	2.4	53.6	58.0	-0.1	-0.3	315.6	8.18	108.7
04.23.2021	05:18:51	S	3422.99	E	2.03	8.1	4.6	1.7	47.7	58.4	-0.1	-0.3	315.6	8.18	108.7
04.23.2021	05:19:51	S	3423	E	2.27	10.0	4.6	2.1	55.5	58.0	-0.0	-0.3	320.8	8.18	108.7
04.23.2021	05:20:51	S	3423.01	E	2.53	13.6	4.7	2.8	49.4	58.0	0.0	-0.2	321.9	8.16	108.7
04.23.2021	05:21:51	S	3423.03	E	2.82	8.5	4.6	1.8	51.9	59.3	-0.0	-0.3	322.0	8.18	108.7
04.23.2021	05:22:51	S	3423.04	E	3.06	10.4	4.6	2.2	52.1	59.0	0.0	-0.3	320.8	8.14	108.7
04.23.2021	05:23:51	S	3423.05	E	3.3	12.6	4.7	2.6	53.1	59.9	-0.1	-0.3	320.3	8.18	108.7
04.23.2021	05:24:51	S	3423.06	E	3.55	9.2	4.7	1.9	52.9	66.4	-0.1	-0.3	322.4	8.18	108.7
04.23.2021	05:25:51	S	3423.08	E	3.84	8.7	4.7	1.8	53.8	66.1	-0.0	-0.3	321.0	8.18	108.7
04.23.2021	05:26:51	S	3423.09	E	4.08	13.6	4.7	2.8	56.7	66.5	-0.1	-0.3	321.0	8.14	108.7
04.23.2021	05:27:51	S	3423.11	E	4.3	12.4	4.7	2.6	50.7	66.8	0.0	-0.2	318.3	8.18	108.7
04.23.2021	05:28:53	S	3423.12	E	4.57	7.8	4.6	1.7	54.2	65.2	-0.0	-0.2	320.8	8.18	108.7
04.23.2021	05:29:53	S	3423.13	E	4.85	9.6	4.7	2.0	51.1	64.9	-0.1	-0.3	318.4	8.18	108.7
04.23.2021	05:30:53	S	3423.14	E	5.1	13.3	4.7	2.8	52.8	65.5	-0.1	-0.3	320.6	8.18	108.7
04.23.2021	05:31:53	S	3423.15	E	5.34	11.2	4.7	2.3	50.8	64.9	0.0	-0.2	315.2	8.18	108.7
04.23.2021	05:32:53	S	3423.16	E	5.61	9.6	4.7	2.0	50.3	65.5	-0.1	-0.3	317.1	8.18	108.7
04.23.2021	05:33:53	S	3423.17	E	5.84	10.6	4.7	2.2	53.3	65.0	0.0	-0.2	313.7	8.18	108.7
04.23.2021	05:34:53	S	3423.18	E	6.09	12.0	4.6	2.6	54.4	65.5	-0.1	-0.3	318.3	8.14	108.7
04.23.2021	05:35:53	S	3423.2	E	6.36	8.5	4.6	1.8	56.4	68.4	0.0	-0.2	314.6	8.18	108.7
04.23.2021	05:36:53	S	3423.21	E	6.64	10.5	4.6	2.2	53.1	67.2	-0.1	-0.3	320.4	8.18	108.7
04.23.2021	05:37:53	S	3423.23	E	6.88	14.9	4.7	3.1	54.1	68.0	0.0	-0.2	321.7	8.18	108.7
04.23.2021	05:38:56	S	3423.24	E	7.13	9.0	4.6	1.9	48.8	65.5	-0.1	-0.3	322.6	8.16	108.7
04.23.2021	05:39:56	S	3423.25	E	7.39	11.9	4.7	2.5	55.3	66.3	0.0	-0.2	321.9	8.18	108.7
04.23.2021	05:40:56	S	3423.27	E	7.63	14.5	4.7	3.1	53.0	65.6	-0.0	-0.3	320.9	8.18	108.7
04.23.2021	05:41:56	S	3423.29	E	7.91	11.4	4.7	2.4	55.4	66.1	-0.0	-0.3	322.5	8.18	108.7

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	05:42:56	S	3423.31	E	8.15	9.2	4.6	1.9	54.1	67.5	-0.1	-0.3	322.2	8.18	108.7	
04.23.2021	05:43:56	S	3423.32	E	8.41	11.4	4.6	2.4	51.4	66.1	-0.1	-0.3	320.8	8.18	108.7	
04.23.2021	05:44:56	S	3423.33	E	8.65	13.3	4.6	2.9	52.8	58.5	-0.1	-0.3	320.0	8.16	108.7	
04.23.2021	05:45:56	S	3423.33	E	8.89	8.6	4.7	1.8	54.0	58.1	-0.1	-0.2	320.0	8.18	108.7	
04.23.2021	05:46:56	S	3423.35	E	9.16	7.1	4.7	1.5	51.6	57.9	-0.1	-0.3	318.8	8.14	108.7	
04.23.2021	05:47:56	S	3423.36	E	9.41	12.8	4.6	2.7	54.6	57.8	-0.1	-0.3	317.6	8.18	108.7	
04.23.2021	05:48:57	S	3423.38	E	9.64	13.0	4.7	2.7	51.6	59.4	0.0	-0.3	315.6	8.14	108.7	
04.23.2021	05:49:57	S	3423.39	E	9.92	9.8	4.7	2.1	55.8	58.8	-0.1	-0.4	314.5	8.18	108.7	
04.23.2021	05:50:57	S	3423.4	E	10.18	11.0	4.7	2.3	57.9	57.8	-0.1	-0.3	318.7	8.18	108.7	
04.23.2021	05:51:57	S	3423.41	E	10.4	12.7	4.7	2.6	47.8	57.6	-0.0	-0.3	319.2	8.18	108.7	
04.23.2021	05:52:57	S	3423.43	E	10.68	12.2	4.7	2.5	49.8	57.9	-0.1	-0.3	322.7	8.18	108.7	
04.23.2021	05:53:57	S	3423.43	E	10.94	9.2	4.7	1.9	51.3	58.3	-0.0	-0.3	323.1	8.18	108.7	
04.23.2021	05:54:57	S	3423.45	E	11.19	13.2	4.7	2.7	53.5	58.9	-0.1	-0.3	321.6	8.18	108.7	
04.23.2021	05:55:57	S	3423.46	E	11.42	8.4	4.7	1.7	52.3	59.3	0.0	-0.2	322.7	8.18	108.7	
04.23.2021	05:56:57	S	3423.47	E	11.69	8.5	4.7	1.8	51.2	59.1	-0.0	-0.3	321.8	8.18	108.7	
04.23.2021	05:57:57	S	3423.49	E	11.96	12.4	4.6	2.6	50.1	58.6	-0.1	-0.4	322.1	8.18	108.7	
04.23.2021	05:58:54	S	3423.5	E	12.18	12.3	4.7	2.6	56.6	59.5	0.0	-0.3	320.6	8.18	108.7	
04.23.2021	05:59:54	S	3423.51	E	12.45	5.8	4.7	1.2	52.3	57.9	-0.1	-0.3	320.2	8.18	108.7	
04.23.2021	06:00:54	S	3423.52	E	12.73	10.0	4.7	2.1	54.4	58.3	-0.1	-0.3	319.7	8.18	108.7	
04.23.2021	06:01:54	S	3423.53	E	12.95	10.4	4.7	2.2	54.8	58.3	-0.0	-0.2	317.2	8.18	108.7	
04.23.2021	06:02:54	S	3423.54	E	13.25	9.5	4.7	2.0	50.1	58.3	-0.0	-0.2	316.9	8.14	108.7	
04.23.2021	06:03:54	S	3423.55	E	13.47	9.4	4.6	2.0	55.6	59.7	-0.1	-0.4	315.8	8.18	108.7	
04.23.2021	06:04:54	S	3423.56	E	13.71	12.4	4.7	2.6	51.5	57.9	-0.1	-0.3	313.9	8.18	108.7	
04.23.2021	06:05:54	S	3423.58	E	13.95	10.2	4.7	2.1	56.9	57.9	-0.1	-0.3	317.4	8.18	108.7	
04.23.2021	06:06:54	S	3423.58	E	14.19	7.1	4.7	1.5	54.3	57.8	0.0	-0.2	318.6	8.18	108.7	
04.23.2021	06:07:54	S	3423.6	E	14.47	11.2	4.7	2.3	53.5	58.3	-0.1	-0.3	319.5	8.18	108.7	
04.23.2021	06:08:51	S	3423.6	E	14.75	10.4	4.7	2.2	56.5	65.3	-0.0	-0.2	323.0	8.14	108.7	
04.23.2021	06:09:51	S	3423.62	E	14.98	9.5	4.7	2.0	48.5	66.4	-0.0	-0.2	321.6	8.14	108.7	
04.23.2021	06:10:51	S	3423.63	E	15.24	10.6	4.7	2.2	53.3	65.1	-0.1	-0.3	323.5	8.18	108.7	
04.23.2021	06:11:51	S	3423.64	E	15.47	14.7	4.7	3.1	53.4	65.3	0.0	-0.2	322.8	8.18	108.7	
04.23.2021	06:12:51	S	3423.65	E	15.74	10.0	4.7	2.1	48.8	65.5	-0.1	-0.3	321.3	8.18	108.7	
04.23.2021	06:13:51	S	3423.66	E	15.96	9.6	4.7	2.0	51.4	65.6	-0.0	-0.2	323.0	8.18	108.7	
04.23.2021	06:14:51	S	3423.67	E	16.26	13.0	4.7	2.7	52.6	65.7	-0.1	-0.3	320.8	8.18	108.7	
04.23.2021	06:15:51	S	3423.68	E	16.46	11.4	4.7	2.4	50.7	66.4	0.0	-0.2	322.5	8.18	108.7	
04.23.2021	06:16:51	S	3423.7	E	16.76	9.9	4.7	2.1	55.2	65.8	-0.1	-0.4	317.0	8.18	108.7	
04.23.2021	06:17:51	S	3423.71	E	17.01	11.5	4.7	2.4	53.4	66.7	0.1	-0.2	318.7	8.18	108.7	
04.23.2021	06:18:53	S	3423.72	E	17.26	12.4	4.7	2.6	54.4	65.3	-0.0	-0.3	316.1	8.18	108.7	
04.23.2021	06:19:53	S	3423.73	E	17.52	6.9	4.7	1.4	57.7	65.9	-0.2	-0.3	317.3	8.18	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	06:20:53	S	3423.75	E	17.76	10.5	4.7	2.2	50.5	67.5	-0.1	-0.4	311.1	8.18	108.7
04.23.2021	06:21:53	S	3423.76	E	18.01	13.1	4.6	2.8	51.4	68.6	-0.1	-0.3	316.1	8.18	108.7
04.23.2021	06:22:53	S	3423.77	E	18.28	9.7	4.6	2.0	50.2	67.3	-0.0	-0.3	318.5	8.18	108.7
04.23.2021	06:23:53	S	3423.79	E	18.53	11.1	4.7	2.3	52.0	66.6	0.0	-0.2	319.7	8.18	108.7
04.23.2021	06:24:53	S	3423.8	E	18.79	14.4	4.6	3.1	52.7	65.9	-0.1	-0.3	320.9	8.18	108.7
04.23.2021	06:25:53	S	3423.81	E	19.06	12.7	4.7	2.6	50.8	66.0	0.0	-0.2	320.2	8.18	108.7
04.23.2021	06:26:53	S	3423.82	E	19.29	9.6	4.7	2.0	55.4	65.5	-0.1	-0.3	323.0	8.18	108.7
04.23.2021	06:27:53	S	3423.83	E	19.5	9.5	4.7	2.0	50.7	58.2	-0.2	-0.3	321.6	8.18	108.7
04.23.2021	06:28:56	S	3423.84	E	19.8	12.7	4.6	2.7	49.4	58.9	0.1	-0.2	321.0	8.18	108.7
04.23.2021	06:29:56	S	3423.85	E	20.04	9.6	4.6	2.0	53.7	58.2	-0.0	-0.2	321.4	8.18	108.7
04.23.2021	06:30:56	S	3423.86	E	20.29	11.3	4.7	2.4	52.5	58.9	-0.1	-0.3	322.5	8.18	108.7
04.23.2021	06:31:56	S	3423.88	E	20.54	12.0	4.6	2.6	56.3	58.9	-0.0	-0.3	319.8	8.14	108.7
04.23.2021	06:32:56	S	3423.89	E	20.79	10.5	4.6	2.2	50.0	62.8	0.0	-0.2	320.2	8.18	108.7
04.23.2021	06:33:56	S	3423.89	E	20.79	6.4	4.6	1.4	55.0	64.2	0.0	-0.2	318.2	8.18	108.7
04.23.2021	06:34:56	S	3423.91	E	21.33	15.0	4.6	3.2	54.1	64.3	-0.0	-0.2	317.1	8.18	108.7
04.23.2021	06:35:56	S	3423.92	E	21.58	12.2	4.6	2.6	55.8	63.0	-0.1	-0.3	314.8	8.18	108.7
04.23.2021	06:36:57	S	3423.93	E	21.83	9.4	4.7	2.0	46.4	62.6	0.0	-0.3	315.7	8.18	108.7
04.23.2021	06:37:57	S	3423.94	E	22.08	11.5	4.7	2.4	57.5	64.2	-0.0	-0.2	316.0	8.18	108.7
04.23.2021	06:38:51	S	3423.95	E	22.34	13.0	4.7	2.7	52.9	61.7	-0.1	-0.3	315.8	8.18	108.7
04.23.2021	06:39:51	S	3423.96	E	22.59	9.5	4.7	2.0	52.3	61.9	-0.0	-0.2	320.4	8.18	108.7
04.23.2021	06:40:51	S	3423.98	E	22.88	6.8	4.7	1.4	49.9	62.6	-0.0	-0.3	321.6	8.18	108.7
04.23.2021	06:41:51	S	3423.98	E	23.09	12.7	4.6	2.7	51.0	62.9	-0.0	-0.3	321.6	8.12	108.2
04.23.2021	06:42:51	S	3423.99	E	23.36	9.8	4.7	2.1	56.0	62.4	-0.0	-0.2	322.8	8.15	108.5
04.23.2021	06:43:51	S	3424	E	23.63	9.1	4.7	1.9	53.1	62.3	0.1	-0.3	322.4	8.18	108.7
04.23.2021	06:44:51	S	3424	E	23.88	11.0	4.7	2.3	51.6	62.2	-0.1	-0.3	320.9	8.16	108.7
04.23.2021	06:45:51	S	3424.01	E	24.15	11.8	4.6	2.6	54.8	62.1	-0.1	-0.3	320.3	8.14	108.7
04.23.2021	06:46:51	S	3424.02	E	24.38	12.0	4.7	2.5	48.6	62.3	-0.1	-0.3	322.0	8.14	108.7
04.23.2021	06:47:51	S	3424.03	E	24.64	10.6	4.6	2.3	51.4	61.8	0.0	-0.2	319.1	8.16	108.7
04.23.2021	06:48:50	S	3424.04	E	24.9	11.0	4.7	2.3	51.0	61.7	-0.0	-0.2	319.6	8.18	108.7
04.23.2021	06:49:50	S	3424.05	E	25.12	11.8	4.7	2.5	57.2	63.1	-0.1	-0.3	317.3	8.14	108.7
04.23.2021	06:50:50	S	3424.06	E	25.38	8.6	4.7	1.8	54.4	61.2	-0.0	-0.3	317.6	8.14	108.7
04.23.2021	06:51:50	S	3424.06	E	25.64	11.6	4.7	2.4	55.0	61.7	-0.1	-0.3	316.2	8.16	108.7
04.23.2021	06:52:50	S	3424.08	E	25.91	12.5	4.7	2.6	51.2	67.6	0.1	-0.3	316.5	8.16	108.7
04.23.2021	06:53:50	S	3424.09	E	26.12	9.8	4.7	2.1	45.8	70.1	-0.1	-0.3	315.6	8.16	108.7
04.23.2021	06:54:50	S	3424.1	E	26.39	10.5	4.6	2.2	55.4	71.2	-0.0	-0.3	316.4	8.16	108.7
04.23.2021	06:55:50	S	3424.11	E	26.62	13.5	4.6	2.9	58.0	68.0	-0.1	-0.3	319.4	8.16	108.7
04.23.2021	06:56:50	S	3424.12	E	26.87	9.7	4.7	2.0	57.8	69.0	-0.0	-0.3	324.2	8.14	108.7
04.23.2021	06:57:50	S	3424.13	E	27.14	9.0	4.7	1.9	52.9	69.3	0.0	-0.2	321.6	8.18	108.7

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	06:58:51	S	3424.14	E	27.37	11.1	4.7	2.3	51.6	68.6	0.0	-0.2	322.1	8.14	108.7	
04.23.2021	06:59:51	S	3424.15	E	27.59	11.9	4.7	2.5	52.7	68.8	-0.0	-0.2	321.9	8.14	108.7	
04.23.2021	07:00:51	S	3424.17	E	27.86	11.0	4.7	2.3	51.9	68.8	-0.0	-0.3	322.7	8.14	108.7	
04.23.2021	07:01:51	S	3424.18	E	28.1	10.3	4.7	2.2	53.7	65.7	-0.1	-0.3	320.8	8.13	108.5	
04.23.2021	07:02:51	S	3424.2	E	28.33	8.7	4.7	1.8	51.2	65.0	-0.1	-0.4	319.3	8.14	108.7	
04.23.2021	07:03:51	S	3424.21	E	28.62	11.2	4.7	2.3	57.0	68.0	0.0	-0.2	321.1	8.14	108.7	
04.23.2021	07:04:51	S	3424.23	E	28.84	8.6	4.7	1.8	50.6	65.8	-0.1	-0.3	321.8	8.16	108.7	
04.23.2021	07:05:51	S	3424.25	E	29.12	14.0	4.7	2.9	54.1	66.3	-0.2	-0.4	311.9	8.18	108.7	
04.23.2021	07:06:51	S	3424.25	E	29.34	12.7	4.7	2.6	51.6	65.7	0.1	-0.2	318.1	8.14	108.7	
04.23.2021	07:07:51	S	3424.26	E	29.61	9.8	4.7	2.1	53.6	64.8	-0.0	-0.2	312.8	8.18	108.7	
04.23.2021	07:08:55	S	3424.26	E	29.83	10.5	4.7	2.2	53.2	65.5	-0.0	-0.3	316.9	8.18	108.7	
04.23.2021	07:09:55	S	3424.26	E	30.09	11.4	4.7	2.4	49.9	65.4	-0.1	-0.3	312.1	8.18	108.7	
04.23.2021	07:10:55	S	3424.27	E	30.34	9.7	4.7	2.0	59.4	66.1	-0.1	-0.3	317.8	8.18	108.7	
04.23.2021	07:11:55	S	3424.27	E	30.61	7.0	4.7	1.4	50.8	57.7	-0.0	-0.3	321.8	8.18	108.7	
04.23.2021	07:12:55	S	3424.26	E	30.83	13.8	4.7	2.9	54.2	57.9	-0.0	-0.3	321.7	8.18	108.7	
04.23.2021	07:13:55	S	3424.26	E	31.08	10.5	4.7	2.2	55.6	59.5	0.0	-0.2	324.2	8.18	108.7	
04.23.2021	07:14:55	S	3424.26	E	31.35	7.9	4.7	1.6	56.0	59.0	0.0	-0.2	321.1	8.18	108.7	
04.23.2021	07:15:55	S	3424.27	E	31.6	11.9	4.7	2.5	52.4	58.1	-0.0	-0.3	322.3	8.18	108.7	
04.23.2021	07:16:55	S	3424.27	E	31.71	11.8	4.7	2.5	53.0	58.1	-0.1	-0.3	322.2	8.18	108.7	
04.23.2021	07:17:55	S	3424.27	E	31.71	11.7	4.7	2.4	49.6	60.0	-0.1	-0.3	320.9	8.18	108.7	
04.23.2021	07:18:46	S	3424.28	E	32.37	9.9	4.7	2.1	49.7	59.7	-0.0	-0.3	322.7	8.14	108.7	
04.23.2021	07:19:46	S	3424.28	E	32.58	14.0	4.7	2.9	51.6	57.8	-0.1	-0.3	322.2	8.14	108.7	
04.23.2021	07:20:46	S	3424.28	E	32.83	13.0	4.7	2.7	50.1	57.3	-0.0	-0.3	322.3	8.16	108.7	
04.23.2021	07:21:46	S	3424.28	E	33.06	13.1	4.7	2.7	46.1	57.5	0.0	-0.2	319.5	8.14	108.7	
04.23.2021	07:22:46	S	3424.27	E	33.37	10.7	4.7	2.2	52.6	58.3	-0.0	-0.3	316.6	8.18	108.7	
04.23.2021	07:23:46	S	3424.27	E	33.61	12.2	4.7	2.5	50.7	57.4	-0.0	-0.3	316.5	8.18	108.7	
04.23.2021	07:24:46	S	3424.27	E	33.86	9.1	4.7	1.9	53.9	59.7	-0.1	-0.3	314.6	8.14	108.7	
04.23.2021	07:25:46	S	3424.27	E	34.1	11.6	4.7	2.4	47.0	57.8	-0.1	-0.3	312.0	8.16	108.7	
04.23.2021	07:26:46	S	3424.27	E	34.36	11.6	4.7	2.4	56.4	59.7	-0.1	-0.4	320.9	8.14	108.7	
04.23.2021	07:27:46	S	3424.26	E	34.63	11.2	4.7	2.3	52.6	58.5	-0.0	-0.3	322.7	8.14	108.7	
04.23.2021	07:28:54	S	3424.26	E	34.86	8.6	4.7	1.8	51.2	59.2	-0.1	-0.4	321.6	8.14	108.7	
04.23.2021	07:29:54	S	3424.26	E	35.11	11.8	4.7	2.5	52.7	60.4	-0.0	-0.3	322.5	8.16	108.7	
04.23.2021	07:30:54	S	3424.26	E	35.39	12.6	4.7	2.6	52.3	58.4	-0.1	-0.3	321.5	8.14	108.7	
04.23.2021	07:31:54	S	3424.26	E	35.64	10.3	4.7	2.2	52.2	58.8	0.0	-0.2	321.2	8.14	108.7	
04.23.2021	07:32:54	S	3424.25	E	35.86	12.5	4.7	2.6	51.7	59.3	0.0	-0.2	323.2	8.14	108.7	
04.23.2021	07:33:54	S	3424.24	E	36.12	13.6	4.7	2.8	50.3	60.8	0.0	-0.3	320.9	8.17	108.5	
04.23.2021	07:34:54	S	3424.24	E	36.37	10.2	4.7	2.1	51.9	59.4	-0.1	-0.3	321.0	8.14	108.7	
04.23.2021	07:35:54	S	3424.24	E	36.65	13.4	4.7	2.8	53.9	66.3	0.0	-0.2	318.9	8.18	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	07:36:54	S	3424.24	E	36.89	12.4	4.7	2.6	51.6	64.9	-0.1	-0.3	318.2	8.14	108.7
04.23.2021	07:37:54	S	3424.24	E	37.13	10.0	4.7	2.1	50.9	67.0	-0.0	-0.3	316.3	8.18	108.7
04.23.2021	07:38:53	S	3424.24	E	37.37	9.4	4.7	2.0	50.0	64.7	-0.1	-0.3	315.6	8.18	108.7
04.23.2021	07:39:53	S	3424.24	E	37.62	13.1	4.7	2.7	52.7	64.7	-0.1	-0.3	314.6	8.18	108.7
04.23.2021	07:40:53	S	3424.24	E	37.85	11.0	4.7	2.3	56.0	64.7	0.0	-0.2	313.4	8.16	108.7
04.23.2021	07:41:53	S	3424.23	E	38.13	7.5	4.7	1.6	51.7	64.7	-0.0	-0.3	315.3	8.16	108.7
04.23.2021	07:42:53	S	3424.23	E	38.36	12.0	4.7	2.5	54.1	64.3	-0.1	-0.3	316.4	8.16	108.7
04.23.2021	07:43:53	S	3424.23	E	38.61	11.2	4.7	2.3	57.0	64.1	-0.1	-0.3	321.6	8.16	108.7
04.23.2021	07:44:53	S	3424.22	E	38.89	10.7	4.7	2.2	52.3	64.0	-0.0	-0.2	322.8	8.16	108.7
04.23.2021	07:45:53	S	3424.22	E	39.1	10.8	4.7	2.3	57.8	67.4	-0.1	-0.3	323.5	8.16	108.7
04.23.2021	07:46:53	S	3424.22	E	39.35	12.8	4.7	2.7	49.4	64.8	-0.1	-0.3	322.1	8.18	108.7
04.23.2021	07:47:53	S	3424.22	E	39.61	10.6	4.7	2.2	54.5	65.2	0.0	-0.2	323.7	8.16	108.7
04.23.2021	07:48:54	S	3424.21	E	39.87	8.6	4.7	1.8	58.0	65.6	-0.1	-0.3	321.7	8.13	108.7
04.23.2021	07:49:54	S	3424.22	E	40.11	15.5	4.7	3.3	49.2	65.7	-0.0	-0.3	322.2	8.18	108.7
04.23.2021	07:50:54	S	3424.23	E	40.36	14.3	4.7	3.0	51.6	65.4	-0.1	-0.3	320.1	8.16	108.7
04.23.2021	07:51:54	S	3424.24	E	40.63	6.1	4.7	1.3	56.3	65.9	-0.2	-0.3	320.9	8.14	108.7
04.23.2021	07:52:54	S	3424.25	E	40.87	9.5	4.7	2.0	51.7	66.6	0.0	-0.2	315.5	8.16	108.7
04.23.2021	07:53:54	S	3424.26	E	41.13	14.2	4.7	2.9	48.7	67.1	-0.0	-0.2	319.8	8.16	108.7
04.23.2021	07:54:54	S	3424.27	E	41.38	11.2	4.7	2.3	49.7	66.0	-0.1	-0.3	315.1	8.18	108.7
04.23.2021	07:55:54	S	3424.28	E	41.6	7.9	4.7	1.7	54.9	66.1	-0.1	-0.3	316.3	8.16	108.7
04.23.2021	07:56:54	S	3424.28	E	41.86	12.9	4.7	2.7	50.2	67.9	0.0	-0.2	314.3	8.18	108.7
04.23.2021	07:57:54	S	3424.29	E	42.11	11.0	4.7	2.3	52.2	62.1	-0.0	-0.3	319.9	8.18	108.7
04.23.2021	07:58:53	S	3424.3	E	42.37	9.3	4.7	2.0	52.2	57.4	-0.1	-0.3	320.3	8.16	108.7
04.23.2021	07:59:53	S	3424.31	E	42.59	12.4	4.7	2.6	55.5	57.9	0.0	-0.2	323.0	8.14	108.7
04.23.2021	08:00:53	S	3424.33	E	42.85	13.7	4.7	2.8	50.0	58.1	-0.1	-0.3	322.6	8.18	108.7
04.23.2021	08:01:53	S	3424.34	E	43.11	10.1	4.7	2.1	52.3	57.9	-0.1	-0.3	322.4	8.18	108.7
04.23.2021	08:02:53	S	3424.34	E	43.35	11.4	4.7	2.4	52.9	58.1	-0.0	-0.2	323.5	8.18	108.7
04.23.2021	08:03:53	S	3424.36	E	43.61	14.4	4.7	3.0	52.1	59.4	-0.0	-0.2	323.4	8.18	108.7
04.23.2021	08:04:53	S	3424.37	E	43.82	12.2	4.7	2.5	52.2	58.5	0.0	-0.2	322.5	8.18	108.7
04.23.2021	08:05:53	S	3424.39	E	44.07	7.6	4.7	1.5	52.0	58.8	0.0	-0.2	321.5	8.16	108.7
04.23.2021	08:06:53	S	3424.4	E	44.32	8.5	4.7	1.8	52.6	57.7	-0.1	-0.4	320.8	8.16	108.7
04.23.2021	08:07:53	S	3424.4	E	44.55	12.1	4.7	2.5	51.4	58.5	-0.1	-0.3	320.5	8.18	108.7
04.23.2021	08:08:49	S	3424.4	E	44.77	7.2	4.8	1.4	55.3	57.9	-0.1	-0.3	319.6	8.18	108.7
04.23.2021	08:09:49	S	3424.41	E	45.02	9.2	4.7	1.9	52.2	57.9	0.0	-0.2	317.8	8.18	108.7
04.23.2021	08:10:49	S	3424.43	E	45.26	12.7	4.7	2.6	53.2	57.4	0.0	-0.3	317.3	8.16	108.7
04.23.2021	08:11:49	S	3424.44	E	45.5	14.3	4.7	3.0	50.2	57.0	-0.0	-0.3	319.2	8.16	108.7
04.23.2021	08:12:49	S	3424.45	E	45.78	9.1	4.7	1.9	51.4	57.1	-0.1	-0.3	316.6	8.18	108.7
04.23.2021	08:13:49	S	3424.46	E	45.99	12.6	4.7	2.6	57.4	57.9	-0.1	-0.3	313.4	8.18	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	08:14:49	S	3424.47	E	46.26	12.5	4.7	2.6	54.6	57.6	-0.0	-0.2	317.4	8.16	108.7
04.23.2021	08:15:49	S	3424.49	E	46.53	6.2	4.7	1.3	53.7	57.6	-0.1	-0.3	322.6	8.14	108.7
04.23.2021	08:16:49	S	3424.5	E	46.75	7.0	4.7	1.4	53.0	59.1	-0.0	-0.2	322.7	8.18	108.7
04.23.2021	08:17:49	S	3424.51	E	46.99	12.7	4.7	2.6	54.0	60.2	0.1	-0.2	322.4	8.14	108.7
04.23.2021	08:18:49	S	3424.52	E	47.26	9.4	4.7	2.0	52.3	59.9	-0.0	-0.3	322.4	8.18	108.7
04.23.2021	08:19:49	S	3424.53	E	47.52	9.3	4.7	2.0	47.8	59.2	-0.0	-0.3	322.9	8.14	108.7
04.23.2021	08:20:49	S	3424.54	E	47.76	12.2	4.7	2.5	54.7	59.2	0.0	-0.2	320.7	8.16	108.7
04.23.2021	08:21:49	S	3424.55	E	47.98	12.7	4.8	2.6	52.3	59.1	-0.1	-0.3	323.2	8.18	108.7
04.23.2021	08:22:49	S	3424.58	E	48.24	11.4	4.7	2.4	52.3	60.5	-0.0	-0.3	321.2	8.14	108.7
04.23.2021	08:23:49	S	3424.6	E	48.51	9.7	4.7	2.0	51.4	59.5	-0.1	-0.3	319.4	8.18	108.7
04.23.2021	08:24:49	S	3424.62	E	48.74	12.6	4.7	2.6	53.3	63.0	-0.1	-0.3	318.1	8.14	108.7
04.23.2021	08:25:49	S	3424.64	E	49.02	10.6	4.7	2.2	54.1	62.4	0.0	-0.2	313.9	8.18	108.7
04.23.2021	08:26:49	S	3424.65	E	49.26	9.4	4.7	2.0	50.9	61.7	-0.1	-0.3	313.0	8.14	108.7
04.23.2021	08:27:49	S	3424.67	E	49.5	10.4	4.7	2.2	52.6	61.9	-0.1	-0.3	314.0	8.18	108.7
04.23.2021	08:28:56	S	3424.69	E	49.77	14.8	4.7	3.1	51.0	61.4	-0.1	-0.3	314.5	8.17	108.5
04.23.2021	08:29:56	S	3424.71	E	49.99	11.6	4.7	2.4	53.2	73.5	0.0	-0.2	315.1	8.16	108.7
04.23.2021	08:30:56	S	3424.73	E	50.24	9.3	4.7	2.0	51.2	67.7	-0.0	-0.3	316.1	8.18	108.7
04.23.2021	08:31:56	S	3424.75	E	50.48	13.7	4.7	2.8	52.4	67.8	-0.0	-0.3	319.0	8.18	108.7
04.23.2021	08:32:56	S	3424.76	E	50.73	11.4	4.7	2.4	52.0	68.1	-0.2	-0.4	323.1	8.18	108.7
04.23.2021	08:33:56	S	3424.78	E	51	9.9	4.7	2.1	51.9	69.8	-0.1	-0.4	322.4	8.16	108.7
04.23.2021	08:34:56	S	3424.8	E	51.26	12.2	4.7	2.5	53.9	68.7	-0.1	-0.3	322.7	8.18	108.7
04.23.2021	08:35:56	S	3424.82	E	51.48	11.2	4.7	2.3	51.4	68.5	0.0	-0.2	322.6	8.18	108.7
04.23.2021	08:36:56	S	3424.84	E	51.73	8.7	4.7	1.8	53.0	69.2	-0.0	-0.3	322.1	8.14	108.7
04.23.2021	08:37:56	S	3424.86	E	51.96	9.0	4.7	1.9	48.8	61.4	-0.0	-0.3	321.9	8.18	108.7
04.23.2021	08:38:55	S	3424.88	E	52.21	12.4	4.7	2.6	53.0	61.7	-0.2	-0.4	321.7	8.16	108.7
04.23.2021	08:39:55	S	3424.9	E	52.5	8.1	4.7	1.7	57.0	61.9	-0.1	-0.3	316.5	8.13	108.7
04.23.2021	08:40:55	S	3424.91	E	52.73	8.6	4.7	1.8	52.3	62.3	0.1	-0.2	320.4	8.16	108.7
04.23.2021	08:41:55	S	3424.93	E	53	12.0	4.7	2.5	53.3	63.1	-0.0	-0.2	314.7	8.18	108.7
04.23.2021	08:42:55	S	3424.95	E	53.24	11.7	4.7	2.4	51.3	63.5	-0.0	-0.3	317.2	8.18	108.7
04.23.2021	08:43:55	S	3424.97	E	53.5	8.2	4.7	1.7	52.7	62.5	-0.1	-0.3	318.6	8.18	108.7
04.23.2021	08:44:55	S	3424.99	E	53.76	9.8	4.7	2.0	52.4	61.9	-0.1	-0.3	316.3	8.16	108.7
04.23.2021	08:45:55	S	3425.01	E	54	11.8	4.7	2.5	56.4	62.0	-0.1	-0.3	314.4	8.13	108.7
04.23.2021	08:46:55	S	3425.02	E	54.24	10.4	4.7	2.2	52.0	61.6	-0.0	-0.2	322.6	8.13	108.7
04.23.2021	08:47:55	S	3425.05	E	54.5	8.0	4.8	1.6	51.0	61.8	-0.0	-0.2	321.8	8.14	108.7
04.23.2021	08:48:52	S	3425.07	E	54.75	11.8	4.7	2.5	49.1	61.3	-0.1	-0.3	321.6	8.18	108.7
04.23.2021	08:49:52	S	3425.09	E	55.01	12.5	4.7	2.6	53.7	61.6	0.0	-0.2	320.8	8.16	108.7
04.23.2021	08:50:52	S	3425.11	E	55.23	8.8	4.7	1.9	50.2	61.4	0.0	-0.2	322.3	8.16	108.7
04.23.2021	08:51:52	S	3425.12	E	55.5	11.8	4.7	2.5	54.5	61.4	-0.0	-0.3	321.8	8.18	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	08:52:52	S	3425.15	E	55.76	13.6	4.7	2.8	50.3	58.2	0.0	-0.2	321.2	8.16	108.7
04.23.2021	08:53:52	S	3425.17	E	56.01	10.6	4.7	2.2	54.9	65.0	-0.1	-0.3	321.8	8.14	108.7
04.23.2021	08:54:52	S	3425.19	E	56.26	7.4	4.7	1.5	50.5	64.9	0.0	-0.2	321.9	8.15	108.5
04.23.2021	08:55:52	S	3425.22	E	56.52	12.1	4.7	2.5	52.8	65.7	0.0	-0.2	320.7	8.18	108.7
04.23.2021	08:56:52	S	3425.23	E	56.74	13.8	4.7	2.9	48.2	65.1	0.0	-0.2	319.0	8.18	108.7
04.23.2021	08:57:52	S	3425.25	E	57.01	8.5	4.7	1.8	52.6	65.0	-0.1	-0.4	318.7	8.13	108.7
04.23.2021	08:58:57	S	3425.26	E	57.24	9.9	4.7	2.1	52.9	64.9	-0.0	-0.3	317.6	8.16	108.7
04.23.2021	08:59:57	S	3425.29	E	57.51	12.0	4.7	2.5	53.0	64.6	-0.1	-0.3	315.5	8.14	108.7
04.23.2021	09:00:57	S	3425.3	E	57.79	9.8	4.7	2.1	51.6	65.1	-0.0	-0.2	314.0	8.18	108.7
04.23.2021	09:01:57	S	3425.31	E	58.02	9.8	4.7	2.1	52.3	65.3	-0.1	-0.3	312.9	8.16	108.7
04.23.2021	09:02:57	S	3425.32	E	58.27	10.9	4.7	2.3	52.1	68.7	0.0	-0.3	315.0	8.13	108.7
04.23.2021	09:03:57	S	3425.34	E	58.53	11.0	4.7	2.3	50.9	66.1	-0.1	-0.3	319.1	8.16	108.7
04.23.2021	09:04:57	S	3425.35	E	58.75	8.8	4.7	1.9	52.5	66.0	0.0	-0.2	322.0	8.16	108.7
04.23.2021	09:05:57	S	3425.36	E	59.01	10.7	4.7	2.2	52.1	67.2	0.0	-0.2	321.1	8.13	108.7
04.23.2021	09:06:57	S	3425.37	E	59.28	12.9	4.7	2.7	54.5	68.8	0.0	-0.2	322.2	8.16	108.7
04.23.2021	09:07:57	S	3425.37	E	59.5	11.1	4.7	2.3	57.1	68.5	-0.1	-0.3	324.8	8.16	108.7
04.23.2021	09:08:50	S	3425.38	E	59.8	11.4	4.7	2.4	52.9	69.1	-0.0	-0.3	321.9	8.18	108.7
04.23.2021	09:09:50	S	3425.39	E	100.03	13.2	4.7	2.7	52.2	63.1	-0.1	-0.3	322.7	8.16	108.7
04.23.2021	09:10:50	S	3425.4	E	100.27	11.7	4.7	2.4	52.5	60.7	0.1	-0.2	322.1	8.16	108.7
04.23.2021	09:11:50	S	3425.41	E	100.56	11.0	4.7	2.3	53.7	60.4	-0.0	-0.3	317.9	8.18	108.7
04.23.2021	09:12:50	S	3425.41	E	100.79	13.6	4.7	2.8	51.1	60.5	-0.1	-0.3	320.8	8.14	108.7
04.23.2021	09:13:50	S	3425.41	E	101.01	14.3	4.7	3.0	49.5	58.4	-0.1	-0.4	318.8	8.18	108.7
04.23.2021	09:14:50	S	3425.41	E	101.3	10.8	4.7	2.3	53.2	58.3	-0.1	-0.3	316.5	8.16	108.7
04.23.2021	09:15:50	S	3425.41	E	101.56	11.3	4.7	2.4	50.9	58.1	-0.1	-0.3	315.5	8.18	108.7
04.23.2021	09:16:50	S	3425.42	E	101.8	13.8	4.7	2.9	53.1	58.3	0.1	-0.2	313.3	8.18	108.7
04.23.2021	09:17:50	S	3425.43	E	102.06	10.7	4.7	2.2	52.6	58.1	-0.0	-0.3	317.7	8.18	108.7
04.23.2021	09:18:51	S	3425.43	E	102.31	9.5	4.7	2.0	51.2	58.6	-0.1	-0.3	316.1	8.18	108.7
04.23.2021	09:19:51	S	3425.44	E	102.59	11.7	4.7	2.4	54.4	58.0	0.0	-0.2	319.2	8.16	108.7
04.23.2021	09:20:51	S	3425.45	E	102.81	12.3	4.7	2.6	51.7	57.9	0.0	-0.2	321.6	8.18	108.7
04.23.2021	09:21:51	S	3425.46	E	103.09	9.8	4.7	2.1	51.5	58.6	-0.1	-0.3	322.3	8.18	108.7
04.23.2021	09:22:51	S	3425.46	E	103.33	8.9	4.7	1.9	52.9	58.5	0.0	-0.3	322.4	8.18	108.7
04.23.2021	09:23:51	S	3425.46	E	103.58	12.8	4.7	2.7	52.9	58.9	0.0	-0.2	322.2	8.16	108.7
04.23.2021	09:24:51	S	3425.47	E	103.85	9.1	4.7	1.9	52.8	58.6	-0.0	-0.2	322.5	8.18	108.7
04.23.2021	09:25:51	S	3425.48	E	104.08	8.4	4.7	1.8	50.9	59.1	0.0	-0.2	322.3	8.18	108.7
04.23.2021	09:26:51	S	3425.48	E	104.34	11.7	4.7	2.4	50.4	58.6	0.1	-0.2	320.5	8.16	108.7
04.23.2021	09:27:51	S	3425.49	E	104.62	10.6	4.7	2.2	54.8	62.3	-0.1	-0.3	321.4	8.14	108.7
04.23.2021	09:28:53	S	3425.5	E	104.88	8.3	4.7	1.7	51.4	61.4	-0.0	-0.3	314.4	8.18	108.7
04.23.2021	09:29:53	S	3425.5	E	105.11	11.2	4.7	2.3	53.8	60.5	-0.2	-0.4	317.9	8.18	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	09:30:53	S	3425.5	E	105.37	12.1	4.7	2.5	51.5	60.3	-0.1	-0.4	316.4	8.16	108.7
04.23.2021	09:31:53	S	3425.5	E	105.62	13.0	4.7	2.7	50.3	59.2	-0.0	-0.3	317.5	8.18	108.7
04.23.2021	09:32:53	S	3425.51	E	105.85	8.2	4.7	1.7	48.4	57.9	-0.2	-0.5	314.5	8.18	108.7
04.23.2021	09:33:53	S	3425.51	E	106.12	12.3	4.7	2.6	52.4	58.5	-0.1	-0.3	317.6	8.18	108.7
04.23.2021	09:34:53	S	3425.51	E	106.37	10.4	4.7	2.2	55.2	56.9	-0.1	-0.3	318.5	8.18	108.7
04.23.2021	09:35:53	S	3425.51	E	106.62	9.7	4.7	2.0	51.1	58.0	0.0	-0.2	320.9	8.16	108.7
04.23.2021	09:36:53	S	3425.52	E	106.88	10.4	4.7	2.2	50.4	57.7	0.0	-0.3	323.9	8.16	108.7
04.23.2021	09:37:53	S	3425.52	E	107.12	11.8	4.7	2.5	53.4	59.8	-0.1	-0.4	322.1	8.16	108.7
04.23.2021	09:38:57	S	3425.52	E	107.38	10.0	4.7	2.1	57.5	58.8	-0.0	-0.3	322.3	8.18	108.7
04.23.2021	09:39:57	S	3425.52	E	107.66	11.7	4.7	2.4	55.0	61.2	0.1	-0.2	323.2	8.16	108.7
04.23.2021	09:40:57	S	3425.52	E	107.92	10.6	4.7	2.2	54.7	68.8	-0.1	-0.2	322.1	8.16	108.7
04.23.2021	09:41:57	S	3425.53	E	108.15	8.8	4.7	1.8	50.8	68.0	-0.1	-0.2	322.5	8.16	108.7
04.23.2021	09:42:57	S	3425.53	E	108.42	10.3	4.7	2.2	54.0	64.6	-0.1	-0.4	323.1	8.18	108.7
04.23.2021	09:43:57	S	3425.52	E	108.65	13.0	4.7	2.7	48.6	65.3	-0.1	-0.4	321.4	8.18	108.7
04.23.2021	09:44:57	S	3425.52	E	108.94	10.0	4.7	2.1	53.3	64.8	0.0	-0.3	317.5	8.16	108.7
04.23.2021	09:45:57	S	3425.52	E	109.18	6.2	4.7	1.3	50.1	64.7	-0.0	-0.3	319.1	8.18	108.7
04.23.2021	09:46:57	S	3425.52	E	109.41	10.7	4.7	2.2	56.1	65.5	0.0	-0.2	318.0	8.16	108.7
04.23.2021	09:47:57	S	3425.52	E	109.69	12.4	4.7	2.6	50.3	64.7	0.0	-0.2	317.9	8.13	107.7
04.23.2021	09:48:54	S	3425.52	E	109.94	8.2	4.7	1.7	53.0	64.5	-0.1	-0.3	317.6	8.16	108.7
04.23.2021	09:49:54	S	3425.52	E	110.2	11.5	4.7	2.4	54.1	64.3	-0.1	-0.4	316.3	8.16	108.7
04.23.2021	09:50:54	S	3425.53	E	110.46	11.4	4.7	2.4	50.1	64.1	-0.0	-0.3	316.2	8.13	108.7
04.23.2021	09:51:54	S	3425.53	E	110.69	12.1	4.7	2.5	51.4	64.0	0.0	-0.2	320.4	8.13	108.4
04.23.2021	09:52:54	S	3425.53	E	110.96	8.8	4.7	1.8	50.0	65.4	0.0	-0.2	323.1	8.13	107.9
04.23.2021	09:53:54	S	3425.53	E	111.22	12.2	4.7	2.5	52.5	65.7	-0.1	-0.2	323.9	8.18	108.7
04.23.2021	09:54:54	S	3425.54	E	111.47	8.8	4.7	1.8	52.8	65.7	-0.0	-0.2	322.9	8.18	108.7
04.23.2021	09:55:54	S	3425.54	E	111.75	7.0	4.7	1.5	48.0	65.4	-0.1	-0.3	323.2	8.18	108.7
04.23.2021	09:56:54	S	3425.54	E	111.97	11.0	4.7	2.3	50.7	58.5	-0.2	-0.4	323.1	8.18	108.7
04.23.2021	09:57:54	S	3425.53	E	112.24	11.8	4.7	2.5	52.3	59.1	-0.0	-0.2	322.6	8.13	108.7
04.23.2021	09:58:52	S	3425.53	E	112.52	7.6	4.7	1.6	52.7	59.2	-0.0	-0.2	320.2	8.18	108.7
04.23.2021	09:59:52	S	3425.53	E	112.75	9.4	4.7	2.0	53.1	59.4	-0.0	-0.3	320.3	8.16	108.7
04.23.2021	10:00:52	S	3425.54	E	113.01	10.3	4.7	2.2	50.0	60.6	-0.0	-0.3	321.3	8.18	108.7
04.23.2021	10:01:52	S	3425.54	E	113.26	9.9	4.6	2.1	51.1	71.6	-0.1	-0.3	317.7	8.16	108.7
04.23.2021	10:02:52	S	3425.54	E	113.54	12.0	4.6	2.6	53.7	71.9	-0.1	-0.4	313.8	8.13	108.7
04.23.2021	10:03:52	S	3425.55	E	113.77	13.2	4.7	2.7	51.1	68.3	-0.1	-0.3	315.0	8.13	108.7
04.23.2021	10:04:52	S	3425.55	E	114.01	11.1	4.7	2.3	49.4	60.9	-0.0	-0.3	317.0	8.18	108.1
04.23.2021	10:05:52	S	3425.55	E	114.28	9.2	4.7	1.9	52.6	61.1	-0.1	-0.4	314.3	8.16	108.7
04.23.2021	10:06:52	S	3425.56	E	114.52	11.1	4.7	2.3	53.3	60.8	-0.1	-0.3	319.2	8.18	108.7
04.23.2021	10:07:52	S	3425.56	E	114.8	13.0	4.7	2.7	50.2	60.4	-0.1	-0.3	317.4	8.16	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	10:08:54	S	3425.57	E	115.03	9.8	4.7	2.0	51.3	61.1	-0.2	-0.4	321.1	8.16	108.7
04.23.2021	10:09:54	S	3425.57	E	115.26	9.6	4.7	2.0	53.6	61.5	-0.1	-0.3	321.9	8.16	108.7
04.23.2021	10:10:54	S	3425.57	E	115.55	13.2	4.7	2.8	54.8	61.2	-0.1	-0.3	323.0	8.13	108.7
04.23.2021	10:11:54	S	3425.58	E	115.8	10.0	4.7	2.1	54.6	64.3	0.0	-0.3	322.2	8.13	108.7
04.23.2021	10:12:54	S	3425.59	E	116.05	8.0	4.8	1.6	52.6	63.4	-0.1	-0.3	321.2	8.16	108.5
04.23.2021	10:13:54	S	3425.61	E	116.28	11.4	4.7	2.4	51.3	63.2	-0.1	-0.3	323.0	8.13	108.7
04.23.2021	10:14:54	S	3425.63	E	116.52	12.4	4.6	2.7	55.5	61.7	0.0	-0.3	321.5	8.17	107.6
04.23.2021	10:15:54	S	3425.64	E	116.78	10.2	4.7	2.1	53.9	61.7	0.0	-0.2	318.7	8.13	107.9
04.23.2021	10:16:54	S	3425.66	E	117.05	9.0	4.7	1.9	52.5	62.7	-0.1	-0.3	322.7	8.15	107.9
04.23.2021	10:17:54	S	3425.67	E	117.26	12.8	4.7	2.7	53.9	63.4	-0.2	-0.4	315.5	8.15	107.9
04.23.2021	10:18:52	S	3425.68	E	117.56	11.6	4.7	2.4	52.2	62.5	0.0	-0.3	318.2	8.15	107.9
04.23.2021	10:19:52	S	3425.69	E	117.81	9.4	4.7	1.9	54.4	63.6	-0.0	-0.2	314.2	8.17	107.9
04.23.2021	10:20:52	S	3425.72	E	118.06	10.3	4.7	2.2	51.0	62.3	-0.1	-0.3	318.0	8.13	107.9
04.23.2021	10:21:52	S	3425.74	E	118.29	12.5	4.7	2.6	53.7	65.0	-0.0	-0.3	315.8	8.17	107.9
04.23.2021	10:22:52	S	3425.77	E	118.52	11.1	4.7	2.3	51.5	61.5	0.0	-0.3	316.0	8.15	107.9
04.23.2021	10:23:52	S	3425.78	E	118.79	11.6	4.6	2.5	55.3	62.7	0.0	-0.2	322.7	8.15	107.9
04.23.2021	10:24:52	S	3425.8	E	119.05	12.6	4.7	2.6	55.1	61.3	-0.1	-0.3	321.2	8.13	107.9
04.23.2021	10:25:52	S	3425.82	E	119.25	10.5	4.7	2.2	52.4	65.1	-0.2	-0.4	321.1	8.13	107.9
04.23.2021	10:26:52	S	3425.84	E	119.52	10.5	4.7	2.2	50.6	62.1	-0.1	-0.3	322.6	8.13	108.7
04.23.2021	10:27:52	S	3425.87	E	119.77	12.9	4.7	2.7	52.7	61.9	-0.0	-0.3	323.9	8.16	108.2
04.23.2021	10:28:50	S	3425.89	E	119.99	11.9	4.6	2.5	50.6	62.3	-0.0	-0.2	320.9	8.17	108.4
04.23.2021	10:29:50	S	3425.91	E	120.28	11.3	4.7	2.4	53.8	61.6	-0.0	-0.3	322.4	8.18	107.9
04.23.2021	10:30:50	S	3425.93	E	120.51	12.2	4.7	2.5	52.9	61.7	-0.1	-0.3	319.8	8.13	107.9
04.23.2021	10:31:50	S	3425.95	E	120.76	11.7	4.7	2.4	50.8	61.7	-0.0	-0.3	319.5	8.17	108.0
04.23.2021	10:32:50	S	3425.97	E	121	10.5	4.7	2.2	53.8	62.8	0.0	-0.2	318.5	8.13	107.9
04.23.2021	10:33:50	S	3426	E	121.27	11.6	4.7	2.4	49.2	58.1	0.0	-0.2	316.1	8.13	108.3
04.23.2021	10:34:50	S	3426.02	E	121.51	10.0	4.7	2.1	52.6	58.0	-0.0	-0.2	317.3	8.18	107.6
04.23.2021	10:35:50	S	3426.04	E	121.75	9.1	4.7	1.9	52.3	57.5	-0.0	-0.3	315.4	8.17	108.1
04.23.2021	10:36:50	S	3426.06	E	121.97	9.2	4.7	1.9	53.0	57.9	0.0	-0.2	318.2	8.18	108.4
04.23.2021	10:37:50	S	3426.08	E	122.24	12.8	4.7	2.7	50.5	57.5	0.0	-0.3	316.4	8.15	107.9
04.23.2021	10:38:50	S	3426.1	E	122.47	9.5	4.7	2.0	53.1	64.3	-0.0	-0.3	317.6	8.15	107.9
04.23.2021	10:39:50	S	3426.13	E	122.72	7.1	4.7	1.5	53.4	63.8	-0.0	-0.3	321.8	8.16	108.2
04.23.2021	10:40:50	S	3426.15	E	122.97	11.1	4.7	2.3	53.2	67.1	-0.0	-0.2	322.0	8.17	108.4
04.23.2021	10:41:50	S	3426.18	E	123.22	11.1	4.6	2.3	54.3	67.2	0.0	-0.2	321.9	8.16	108.2
04.23.2021	10:42:50	S	3426.2	E	123.45	8.7	4.7	1.8	52.2	64.8	-0.0	-0.2	322.3	8.13	108.7
04.23.2021	10:43:50	S	3426.21	E	123.55	11.0	4.7	2.3	51.6	65.2	0.0	-0.3	321.4	8.16	108.7
04.23.2021	10:44:50	S	3426.24	E	123.94	10.5	4.7	2.2	49.8	65.0	0.0	-0.2	322.1	8.12	108.5
04.23.2021	10:45:50	S	3426.26	E	124.22	9.7	4.7	2.0	50.2	66.2	-0.1	-0.3	321.8	8.12	108.5

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	10:46:50	S	3426.28	E	124.46	11.3	4.7	2.4	54.3	68.2	-0.1	-0.4	321.6	8.13	108.7
04.23.2021	10:47:50	S	3426.29	E	124.71	11.4	4.7	2.4	52.6	66.0	-0.1	-0.3	318.8	8.16	108.7
04.23.2021	10:48:53	S	3426.29	E	124.94	9.2	4.7	1.9	53.6	65.3	-0.1	-0.3	318.5	8.16	108.7
04.23.2021	10:49:53	S	3426.31	E	125.2	9.4	4.7	2.0	48.8	65.0	-0.0	-0.2	317.6	8.16	108.7
04.23.2021	10:50:53	S	3426.32	E	125.42	10.8	4.6	2.3	53.9	66.0	0.0	-0.3	314.5	8.13	108.7
04.23.2021	10:51:53	S	3426.34	E	125.67	11.2	4.7	2.3	51.8	65.3	-0.1	-0.3	316.1	8.13	108.7
04.23.2021	10:52:53	S	3426.35	E	125.92	6.8	4.6	1.4	48.8	65.7	-0.0	-0.3	314.1	8.16	108.2
04.23.2021	10:53:53	S	3426.35	E	126.16	10.8	4.7	2.3	51.5	64.8	-0.1	-0.3	317.0	8.16	108.7
04.23.2021	10:54:53	S	3426.36	E	126.41	11.8	4.7	2.5	51.7	64.7	0.1	-0.2	313.3	8.16	108.7
04.23.2021	10:55:53	S	3426.38	E	126.67	9.2	4.7	1.9	49.6	56.7	-0.1	-0.4	320.3	8.13	108.7
04.23.2021	10:56:53	S	3426.39	E	126.88	7.3	4.7	1.5	51.6	57.6	-0.1	-0.4	322.3	8.16	108.7
04.23.2021	10:57:53	S	3426.4	E	127.13	13.4	4.7	2.8	50.0	57.9	-0.0	-0.2	320.9	8.12	108.5
04.23.2021	10:58:53	S	3426.41	E	127.39	12.0	4.7	2.5	51.0	58.0	-0.0	-0.2	323.1	8.16	108.7
04.23.2021	10:59:53	S	3426.42	E	127.65	9.1	4.7	1.9	50.3	57.9	0.1	-0.2	322.9	8.18	108.7
04.23.2021	11:00:53	S	3426.43	E	127.87	10.4	4.7	2.2	52.7	57.8	-0.1	-0.3	322.5	8.13	108.7
04.23.2021	11:01:53	S	3426.45	E	128.15	11.2	4.7	2.3	52.9	57.9	-0.1	-0.3	320.7	8.16	108.7
04.23.2021	11:02:53	S	3426.46	E	128.39	9.8	4.6	2.1	51.3	57.8	-0.0	-0.3	322.0	8.16	108.7
04.23.2021	11:03:53	S	3426.47	E	128.62	9.5	4.7	2.0	52.0	57.8	-0.1	-0.4	319.8	8.16	108.7
04.23.2021	11:04:53	S	3426.48	E	128.85	13.8	4.7	2.9	51.1	57.6	-0.1	-0.3	317.4	8.16	108.7
04.23.2021	11:05:53	S	3426.49	E	129.12	10.9	4.7	2.3	51.6	57.7	-0.1	-0.3	318.4	8.16	108.2
04.23.2021	11:06:53	S	3426.5	E	129.35	7.4	4.7	1.5	51.7	57.7	-0.0	-0.3	313.2	8.16	108.7
04.23.2021	11:07:53	S	3426.5	E	129.62	11.2	4.7	2.3	53.0	57.6	-0.1	-0.3	319.3	8.16	108.7
04.23.2021	11:08:56	S	3426.51	E	129.85	13.0	4.7	2.7	49.6	57.5	-0.1	-0.3	312.7	8.16	108.7
04.23.2021	11:09:56	S	3426.52	E	130.09	10.2	4.7	2.1	53.7	57.4	-0.0	-0.3	319.6	8.14	108.7
04.23.2021	11:10:56	S	3426.53	E	130.32	8.4	4.7	1.7	50.2	56.8	0.0	-0.3	319.0	8.16	108.7
04.23.2021	11:11:56	S	3426.54	E	130.59	12.9	4.7	2.7	52.1	57.5	-0.0	-0.3	320.6	8.16	108.7
04.23.2021	11:12:56	S	3426.54	E	130.8	8.9	4.7	1.9	53.4	58.7	-0.0	-0.2	320.4	8.16	108.7
04.23.2021	11:13:56	S	3426.55	E	131.06	9.1	4.7	1.9	50.6	59.0	-0.0	-0.2	323.1	8.14	108.7
04.23.2021	11:14:56	S	3426.56	E	131.29	9.2	4.7	1.9	49.7	59.0	-0.1	-0.3	321.5	8.18	108.7
04.23.2021	11:15:56	S	3426.57	E	131.54	12.3	4.7	2.6	53.8	58.2	-0.1	-0.3	321.9	8.18	108.7
04.23.2021	11:16:56	S	3426.57	E	131.78	7.8	4.7	1.6	53.3	58.7	-0.0	-0.3	321.8	8.18	108.7
04.23.2021	11:17:56	S	3426.58	E	132.02	13.6	4.7	2.8	53.5	58.1	-0.1	-0.3	321.4	8.13	108.7
04.23.2021	11:18:49	S	3426.57	E	132.27	11.2	4.7	2.3	48.0	57.8	-0.1	-0.3	323.5	8.13	108.7
04.23.2021	11:19:49	S	3426.58	E	132.48	6.6	4.7	1.4	54.6	57.9	0.0	-0.2	321.1	8.13	108.7
04.23.2021	11:20:49	S	3426.58	E	132.75	8.6	4.7	1.8	52.4	57.7	-0.1	-0.3	318.4	8.16	108.7
04.23.2021	11:21:49	S	3426.59	E	133	11.5	4.7	2.4	52.4	58.3	-0.0	-0.3	319.4	8.18	108.7
04.23.2021	11:22:49	S	3426.6	E	133.22	9.8	4.6	2.1	52.7	57.6	-0.1	-0.3	316.2	8.13	108.7
04.23.2021	11:23:49	S	3426.6	E	133.47	9.9	4.6	2.1	58.4	57.8	-0.0	-0.3	313.9	8.17	108.7

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	11:24:49	S	3426.6	E	133.7	12.7	4.7	2.7	58.1	57.4	-0.1	-0.2	315.8	8.17	108.7	
04.23.2021	11:25:49	S	3426.61	E	133.93	14.3	4.7	3.0	46.4	57.3	-0.0	-0.3	317.0	8.16	108.7	
04.23.2021	11:26:49	S	3426.61	E	134.17	10.9	4.6	2.3	57.5	58.2	-0.1	-0.3	318.4	8.18	108.7	
04.23.2021	11:27:49	S	3426.62	E	134.42	8.1	4.6	1.7	50.7	69.6	-0.0	-0.2	321.7	8.17	108.7	
04.23.2021	11:28:54	S	3426.62	E	134.66	12.6	4.7	2.6	54.7	68.4	-0.1	-0.3	321.0	8.14	108.6	
04.23.2021	11:29:54	S	3426.62	E	134.9	6.9	4.7	1.4	49.1	68.4	-0.1	-0.4	322.1	8.17	108.7	
04.23.2021	11:30:54	S	3426.62	E	135.13	7.9	4.7	1.6	55.2	68.4	-0.1	-0.3	322.2	8.18	108.6	
04.23.2021	11:31:54	S	3426.62	E	135.37	11.1	4.7	2.3	51.8	68.8	-0.0	-0.3	323.4	8.18	108.6	
04.23.2021	11:32:54	S	3426.63	E	135.6	9.0	4.7	1.9	53.5	69.0	-0.0	-0.3	321.0	8.17	108.7	
04.23.2021	11:33:54	S	3426.63	E	135.85	9.4	4.7	2.0	49.5	68.8	-0.1	-0.3	320.2	8.13	109.0	
04.23.2021	11:34:54	S	3426.64	E	136.1	13.0	4.7	2.7	52.4	69.0	-0.1	-0.3	321.0	8.18	108.6	
04.23.2021	11:35:54	S	3426.64	E	136.32	11.7	4.7	2.4	54.1	70.2	0.0	-0.2	321.7	8.13	108.5	
04.23.2021	11:36:54	S	3426.65	E	136.56	8.6	4.7	1.8	48.6	70.0	-0.0	-0.2	316.6	8.13	108.5	
04.23.2021	11:37:54	S	3426.65	E	136.82	11.6	4.7	2.4	54.3	70.1	-0.1	-0.3	316.5	8.16	108.8	
04.23.2021	11:38:57	S	3426.65	E	137.05	14.2	4.7	2.9	53.3	69.1	0.0	-0.2	315.2	8.17	108.7	
04.23.2021	11:39:57	S	3426.66	E	137.32	7.8	4.7	1.6	53.0	69.3	-0.2	-0.4	314.9	8.15	109.3	
04.23.2021	11:40:57	S	3426.66	E	137.51	8.8	4.7	1.9	51.4	69.2	-0.1	-0.3	313.4	8.13	108.5	
04.23.2021	11:41:57	S	3426.67	E	137.78	11.4	4.7	2.4	49.7	68.9	0.0	-0.2	315.8	8.17	108.7	
04.23.2021	11:42:57	S	3426.68	E	138.01	9.4	4.6	2.0	52.7	68.5	0.0	-0.3	321.0	8.17	108.7	
04.23.2021	11:43:57	S	3426.69	E	138.28	7.0	4.6	1.5	50.3	61.5	-0.1	-0.3	318.6	8.17	108.9	
04.23.2021	11:44:57	S	3426.69	E	138.49	12.6	4.6	2.7	51.6	61.4	-0.1	-0.3	321.8	8.17	108.9	
04.23.2021	11:45:57	S	3426.7	E	138.75	11.0	4.7	2.3	46.8	61.3	-0.1	-0.3	322.3	8.17	109.2	
04.23.2021	11:46:57	S	3426.7	E	138.98	9.6	4.7	2.0	56.5	61.4	-0.1	-0.3	322.8	8.18	108.7	
04.23.2021	11:47:57	S	3426.7	E	139.23	8.6	4.7	1.8	54.1	61.3	-0.0	-0.2	320.8	8.18	108.7	
04.23.2021	11:48:57	S	3426.71	E	139.47	12.0	4.7	2.5	51.3	61.2	-0.1	-0.3	322.0	8.18	108.7	
04.23.2021	11:49:57	S	3426.72	E	139.71	10.0	4.7	2.1	51.3	61.4	-0.0	-0.2	322.4	8.16	108.7	
04.23.2021	11:50:57	S	3426.72	E	139.72	7.5	4.6	1.6	53.4	55.0	-0.0	-0.3	-0.1	8.18	108.7	
04.23.2021	11:51:57	S	3426.73	E	140.18	10.7	4.7	2.2	53.3	51.6	-0.1	-0.3	-0.2	8.17	108.5	
04.23.2021	11:52:57	S	3426.74	E	140.43	12.2	4.3	2.8	52.3	50.9	-0.0	-0.3	-0.2	8.16	108.7	
04.23.2021	11:53:57	S	3426.75	E	140.65	8.5	2.9	2.9	51.9	50.9	0.1	-0.2	-0.1	8.16	108.7	
04.23.2021	11:54:57	S	3426.76	E	140.87	11.4	1.6	7.3	54.9	51.0	-0.1	-0.3	-0.2	8.13	108.7	
04.23.2021	11:55:57	S	3426.78	E	141.14	16.5	0.6	27.1	47.6	54.1	-0.1	-0.4	-0.1	8.13	108.7	
04.23.2021	11:56:57	S	3426.79	E	141.34	14.6	0.0	0.0	52.2	55.8	-0.1	-0.3	-0.3	8.13	108.7	
04.23.2021	11:57:57	S	3426.81	E	141.61	13.8	0.0	0.0	52.7	54.8	-0.0	-0.3	-0.2	8.17	108.7	
04.23.2021	11:58:57	S	3426.81	E	141.84	19.9	0.0	0.0	53.1	51.6	0.1	-0.2	-0.0	8.17	108.7	
04.23.2021	11:59:57	S	3426.82	E	142.06	21.5	0.0	0.0	51.9	72.2	0.0	-0.3	530.6	8.17	108.7	
04.23.2021	12:00:57	S	3426.83	E	142.29	17.4	0.0	0.0	51.7	59.2	-0.0	-0.3	285.1	8.18	108.7	
04.23.2021	12:01:57	S	3426.84	E	142.53	20.1	0.0	0.0	52.0	64.9	-0.0	-0.3	316.3	8.14	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	12:02:57	S	3426.86	E	142.79	18.4	3.4	5.5	50.3	74.2	0.0	-0.3	533.0	8.14	108.7
04.23.2021	12:03:57	S	3426.87	E	143.01	11.8	4.5	2.6	53.6	68.2	-0.1	-0.3	534.9	8.14	108.7
04.23.2021	12:04:57	S	3426.89	E	143.24	10.4	4.7	2.2	52.0	57.3	-0.1	-0.3	319.4	8.18	108.7
04.23.2021	12:05:57	S	3426.9	E	143.48	12.3	4.7	2.6	53.9	58.3	-0.0	-0.3	323.0	8.18	108.7
04.23.2021	12:06:57	S	3426.9	E	143.71	9.0	4.7	1.9	55.3	58.3	-0.0	-0.3	322.7	8.18	108.7
04.23.2021	12:07:57	S	3426.92	E	143.96	10.5	4.7	2.2	52.4	58.4	0.0	-0.2	323.2	8.18	108.7
04.23.2021	12:08:52	S	3426.93	E	144.16	11.2	4.6	2.4	48.9	58.6	-0.1	-0.3	321.5	8.18	108.7
04.23.2021	12:09:52	S	3426.95	E	144.43	13.8	4.6	3.0	51.9	58.1	-0.1	-0.3	315.7	8.18	108.7
04.23.2021	12:10:52	S	3426.96	E	144.64	11.4	4.6	2.4	52.5	57.5	-0.0	-0.2	314.2	8.16	108.7
04.23.2021	12:11:52	S	3426.97	E	144.88	11.2	4.6	2.4	53.3	56.7	-0.1	-0.3	314.6	8.18	108.7
04.23.2021	12:12:52	S	3426.98	E	145.11	12.4	4.6	2.7	52.2	57.6	0.0	-0.2	319.1	8.14	108.7
04.23.2021	12:13:52	S	3427	E	145.37	11.7	4.7	2.4	51.8	63.8	-0.1	-0.3	321.5	8.18	108.7
04.23.2021	12:14:52	S	3427.01	E	145.58	8.2	4.7	1.7	51.2	65.0	-0.1	-0.3	322.4	8.14	108.7
04.23.2021	12:15:52	S	3427.02	E	145.82	10.0	4.6	2.1	53.6	65.1	-0.0	-0.3	322.2	8.18	108.7
04.23.2021	12:16:52	S	3427.03	E	146.04	13.4	4.6	2.9	51.9	64.4	-0.0	-0.2	323.4	8.18	108.7
04.23.2021	12:17:52	S	3427.05	E	146.31	9.1	4.7	1.9	55.3	64.6	0.0	-0.2	322.5	8.18	108.7
04.23.2021	12:18:52	S	3427.06	E	146.51	11.8	4.7	2.5	56.5	64.6	-0.0	-0.3	322.4	8.18	108.7
04.23.2021	12:19:52	S	3427.08	E	146.74	10.6	4.7	2.2	55.4	64.2	-0.1	-0.3	320.9	8.18	108.7
04.23.2021	12:20:52	S	3427.1	E	147	9.6	4.6	2.0	49.9	64.5	-0.1	-0.2	321.6	8.18	108.7
04.23.2021	12:21:52	S	3427.11	E	147.19	9.1	4.6	1.9	52.2	65.0	-0.1	-0.3	319.6	8.18	108.7
04.23.2021	12:22:52	S	3427.13	E	147.45	11.8	4.6	2.5	51.0	66.5	-0.1	-0.3	316.9	8.18	108.7
04.23.2021	12:23:52	S	3427.14	E	147.68	11.8	4.7	2.5	50.9	64.6	-0.0	-0.3	315.8	8.18	108.7
04.23.2021	12:24:52	S	3427.15	E	147.91	8.0	4.7	1.7	52.0	65.5	0.0	-0.2	315.5	8.14	108.7
04.23.2021	12:25:52	S	3427.16	E	148.13	7.6	4.7	1.6	51.9	64.8	0.0	-0.3	314.7	8.18	108.7
04.23.2021	12:26:52	S	3427.18	E	148.37	13.8	4.7	2.9	54.8	65.2	-0.1	-0.4	313.3	8.14	108.7
04.23.2021	12:27:52	S	3427.2	E	148.6	7.7	4.7	1.6	52.7	65.0	-0.1	-0.4	315.7	8.18	108.7
04.23.2021	12:28:52	S	3427.22	E	148.81	9.0	4.6	1.9	51.9	65.7	-0.1	-0.3	320.5	8.14	108.7
04.23.2021	12:29:52	S	3427.24	E	149.05	11.8	4.6	2.6	53.0	58.3	-0.0	-0.3	318.7	8.18	108.7
04.23.2021	12:30:52	S	3427.25	E	149.28	11.1	4.6	2.4	53.1	58.9	-0.0	-0.3	322.0	8.14	108.7
04.23.2021	12:31:52	S	3427.27	E	149.51	10.3	4.6	2.2	54.3	58.0	-0.1	-0.3	322.2	8.18	108.7
04.23.2021	12:32:52	S	3427.28	E	149.76	10.6	4.7	2.2	48.9	58.0	-0.0	-0.3	322.1	8.18	108.7
04.23.2021	12:33:52	S	3427.3	E	150	13.7	4.6	2.9	52.9	58.8	-0.0	-0.3	321.9	8.18	108.7
04.23.2021	12:34:52	S	3427.31	E	150.22	8.9	4.6	1.9	51.3	58.3	-0.1	-0.3	323.2	8.18	108.7
04.23.2021	12:35:52	S	3427.32	E	150.42	10.9	4.6	2.3	52.8	57.9	-0.1	-0.3	320.9	8.18	108.7
04.23.2021	12:36:52	S	3427.33	E	150.68	11.9	4.6	2.6	51.7	57.8	-0.0	-0.3	320.9	8.18	108.7
04.23.2021	12:37:52	S	3427.34	E	150.9	8.9	4.6	1.9	56.8	58.4	0.0	-0.3	314.7	8.15	108.5
04.23.2021	12:38:59	S	3427.36	E	151.15	9.8	4.6	2.1	51.4	57.7	-0.1	-0.4	320.2	8.14	108.7
04.23.2021	12:39:59	S	3427.38	E	151.36	11.5	4.6	2.5	51.9	57.3	-0.1	-0.3	314.9	8.18	108.7

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	12:40:59	S	3427.39	E	151.57	13.5	4.6	2.9	55.2	58.2	-0.1	-0.3	316.7	8.18	108.7	
04.23.2021	12:41:59	S	3427.41	E	151.8	9.6	4.6	2.0	51.7	56.9	-0.2	-0.4	314.0	8.18	108.7	
04.23.2021	12:42:59	S	3427.42	E	152.06	10.2	4.6	2.1	52.6	57.0	0.0	-0.3	319.1	8.14	108.7	
04.23.2021	12:43:59	S	3427.43	E	152.26	12.8	4.6	2.8	54.0	57.1	-0.0	-0.3	316.9	8.18	108.7	
04.23.2021	12:44:59	S	3427.45	E	152.51	7.6	4.6	1.6	50.8	56.7	-0.0	-0.2	320.3	8.14	108.7	
04.23.2021	12:45:59	S	3427.47	E	152.72	8.1	4.6	1.7	50.1	56.7	0.0	-0.2	320.5	8.18	108.7	
04.23.2021	12:46:59	S	3427.48	E	152.96	14.2	4.6	3.0	53.0	57.3	-0.0	-0.2	322.0	8.18	108.7	
04.23.2021	12:47:59	S	3427.5	E	153.19	9.6	4.6	2.0	50.8	62.3	0.0	-0.2	322.9	8.18	108.7	
04.23.2021	12:48:52	S	3427.52	E	153.43	7.6	4.6	1.6	53.2	61.3	-0.0	-0.3	322.0	8.18	108.7	
04.23.2021	12:49:52	S	3427.53	E	153.66	12.6	4.7	2.6	50.3	61.6	-0.0	-0.3	320.9	8.18	108.7	
04.23.2021	12:50:52	S	3427.54	E	153.86	10.5	4.6	2.2	53.7	62.4	-0.0	-0.3	320.8	8.18	108.7	
04.23.2021	12:51:52	S	3427.55	E	154.08	8.7	4.7	1.8	48.3	62.4	-0.1	-0.3	321.8	8.18	108.7	
04.23.2021	12:52:52	S	3427.57	E	154.32	11.1	4.6	2.4	49.3	62.5	-0.1	-0.3	322.7	8.14	108.7	
04.23.2021	12:53:52	S	3427.58	E	154.53	10.8	4.6	2.3	49.9	61.7	0.0	-0.2	322.6	8.18	108.7	
04.23.2021	12:54:52	S	3427.57	E	154.79	9.0	4.6	1.9	54.7	61.9	0.0	-0.2	320.8	8.18	108.7	
04.23.2021	12:55:52	S	3427.57	E	155.01	9.4	4.7	2.0	51.9	61.8	-0.0	-0.3	316.5	8.18	108.7	
04.23.2021	12:56:52	S	3427.57	E	155.24	14.6	4.7	3.1	51.1	64.9	0.0	-0.2	316.8	8.14	108.7	
04.23.2021	12:57:52	S	3427.57	E	155.43	9.0	4.6	1.9	48.4	63.9	-0.1	-0.4	316.0	8.14	108.7	
04.23.2021	12:58:49	S	3427.58	E	155.69	10.3	4.6	2.2	49.6	63.9	-0.1	-0.3	319.9	8.14	108.7	
04.23.2021	12:59:49	S	3427.58	E	155.93	14.1	4.6	3.0	55.4	64.3	-0.1	-0.3	313.8	8.16	108.5	
04.23.2021	13:00:49	S	3427.57	E	156.12	14.0	4.7	2.9	51.3	60.9	-0.1	-0.3	316.4	8.14	108.7	
04.23.2021	13:01:49	S	3427.57	E	156.36	8.8	4.7	1.8	55.0	60.9	-0.1	-0.4	318.5	8.18	108.7	
04.23.2021	13:02:49	S	3427.58	E	156.58	9.8	4.6	2.1	53.2	68.0	-0.0	-0.3	322.4	8.18	108.7	
04.23.2021	13:03:49	S	3427.58	E	156.8	12.0	4.6	2.6	54.0	68.3	-0.1	-0.3	321.9	8.18	108.7	
04.23.2021	13:04:49	S	3427.58	E	157.02	7.0	4.6	1.5	56.3	68.2	-0.1	-0.3	321.0	8.16	108.7	
04.23.2021	13:05:49	S	3427.57	E	157.28	10.2	4.7	2.1	52.0	68.6	-0.0	-0.2	321.2	8.18	108.7	
04.23.2021	13:06:49	S	3427.57	E	157.51	12.9	4.7	2.7	54.8	68.3	-0.1	-0.3	320.7	8.18	108.7	
04.23.2021	13:07:49	S	3427.58	E	157.73	12.2	4.6	2.6	54.2	68.8	-0.1	-0.3	321.1	8.14	108.7	
04.23.2021	13:08:51	S	3427.57	E	157.97	7.9	4.6	1.7	53.7	68.5	-0.0	-0.3	320.3	8.18	108.7	
04.23.2021	13:09:51	S	3427.57	E	158.21	13.9	4.6	2.9	52.8	68.3	0.0	-0.2	318.5	8.18	108.7	
04.23.2021	13:10:51	S	3427.57	E	158.42	10.9	4.6	2.3	54.4	68.2	-0.1	-0.3	317.2	8.14	108.7	
04.23.2021	13:11:51	S	3427.57	E	158.64	7.8	4.7	1.7	50.9	68.4	0.0	-0.2	316.0	8.16	108.7	
04.23.2021	13:12:51	S	3427.57	E	158.87	11.3	4.7	2.4	50.4	68.3	0.0	-0.3	315.1	8.14	108.7	
04.23.2021	13:13:51	S	3427.57	E	159.12	9.2	4.6	1.9	57.2	69.1	-0.1	-0.4	315.0	8.16	108.7	
04.23.2021	13:14:51	S	3427.57	E	159.34	8.1	4.6	1.7	49.1	68.2	-0.1	-0.3	312.8	8.18	108.7	
04.23.2021	13:15:51	S	3427.57	E	159.59	12.0	4.6	2.6	55.6	68.3	-0.1	-0.3	315.7	8.14	108.7	
04.23.2021	13:16:51	S	3427.57	E	159.79	13.7	4.7	2.9	53.4	68.8	-0.1	-0.3	319.3	8.14	108.7	
04.23.2021	13:17:51	S	3427.57	E	200.06	7.1	4.7	1.5	54.2	69.1	-0.1	-0.3	324.0	8.14	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087					System Name: PaSOx_smart2.0					Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	13:18:54	S	3427.57	E	200.25	10.1	4.7	2.1	52.8	62.2	-0.1	-0.3	320.5	8.18	108.7
04.23.2021	13:19:54	S	3427.57	E	200.5	13.0	4.6	2.8	50.7	61.4	-0.1	-0.3	323.9	8.14	108.7
04.23.2021	13:20:54	S	3427.58	E	200.74	9.9	4.6	2.1	53.1	61.5	-0.1	-0.3	320.7	8.18	108.7
04.23.2021	13:21:54	S	3427.58	E	200.95	11.2	4.6	2.4	53.6	61.6	0.0	-0.2	322.1	8.16	108.7
04.23.2021	13:22:54	S	3427.58	E	201.18	13.0	4.6	2.8	54.3	61.5	-0.1	-0.3	321.3	8.14	108.7
04.23.2021	13:23:54	S	3427.58	E	201.44	7.9	4.7	1.6	56.3	61.8	-0.1	-0.4	321.2	8.16	108.7
04.23.2021	13:24:54	S	3427.58	E	201.66	8.6	4.7	1.8	51.8	61.2	-0.1	-0.3	321.1	8.16	108.7
04.23.2021	13:25:54	S	3427.58	E	201.88	12.0	4.7	2.5	53.9	61.4	-0.0	-0.2	320.7	8.18	108.7
04.23.2021	13:26:54	S	3427.58	E	202.13	9.8	4.6	2.1	54.4	61.0	-0.0	-0.2	316.3	8.16	108.7
04.23.2021	13:27:54	S	3427.58	E	202.35	7.6	4.6	1.6	52.7	61.1	-0.1	-0.3	321.0	8.14	108.7
04.23.2021	13:28:55	S	3427.59	E	202.58	12.6	4.7	2.6	54.4	57.5	0.1	-0.2	314.4	8.14	108.7
04.23.2021	13:29:55	S	3427.6	E	202.84	12.1	4.6	2.6	54.2	57.4	0.1	-0.2	316.4	8.14	108.7
04.23.2021	13:30:55	S	3427.6	E	203.04	12.7	4.6	2.7	48.6	57.3	-0.1	-0.3	314.2	8.14	108.7
04.23.2021	13:31:55	S	3427.61	E	203.27	7.5	4.6	1.6	50.2	60.2	-0.0	-0.3	316.3	8.14	108.7
04.23.2021	13:32:55	S	3427.61	E	203.52	11.0	4.6	2.3	51.8	57.4	0.1	-0.2	319.1	8.16	108.7
04.23.2021	13:33:55	S	3427.61	E	203.74	11.8	4.6	2.5	53.0	57.4	-0.1	-0.3	319.9	8.14	108.7
04.23.2021	13:34:55	S	3427.62	E	203.95	8.9	4.6	1.9	52.3	56.9	0.1	-0.3	322.8	8.18	108.7
04.23.2021	13:35:55	S	3427.62	E	204.2	12.6	4.6	2.7	57.1	57.0	-0.1	-0.3	321.5	8.14	108.7
04.23.2021	13:36:55	S	3427.63	E	204.44	12.6	4.6	2.7	50.2	57.2	-0.0	-0.3	322.9	8.16	108.7
04.23.2021	13:37:55	S	3427.64	E	204.7	10.1	4.6	2.1	53.6	57.6	0.0	-0.2	321.7	8.14	108.7
04.23.2021	13:38:59	S	3427.64	E	204.92	9.5	4.6	2.0	50.2	57.3	-0.1	-0.3	322.7	8.14	108.7
04.23.2021	13:39:59	S	3427.64	E	205.14	10.6	4.6	2.2	52.1	58.7	-0.1	-0.3	320.8	8.16	108.7
04.23.2021	13:40:59	S	3427.65	E	205.39	10.0	4.6	2.1	55.1	58.3	-0.1	-0.3	322.7	8.14	108.7
04.23.2021	13:41:59	S	3427.65	E	205.6	10.0	4.6	2.1	50.0	58.4	-0.1	-0.3	320.1	8.16	108.7
04.23.2021	13:42:59	S	3427.65	E	205.85	11.4	4.6	2.4	48.8	57.1	-0.2	-0.4	319.8	8.14	108.7
04.23.2021	13:43:59	S	3427.66	E	206.09	12.6	4.6	2.7	53.9	57.5	0.0	-0.3	318.7	8.14	108.7
04.23.2021	13:44:59	S	3427.66	E	206.29	6.5	4.6	1.3	51.4	58.6	-0.1	-0.2	316.3	8.16	108.7
04.23.2021	13:45:59	S	3427.67	E	206.55	10.5	4.6	2.2	51.0	57.0	0.0	-0.1	316.6	8.16	108.7
04.23.2021	13:46:59	S	3427.68	E	206.74	11.8	4.6	2.5	52.9	57.3	0.0	-0.3	314.8	8.14	108.7
04.23.2021	13:47:59	S	3427.68	E	207	7.2	4.6	1.5	53.0	57.6	0.0	-0.2	313.7	8.14	108.7
04.23.2021	13:48:51	S	3427.68	E	207.2	10.3	4.6	2.2	53.5	64.1	-0.1	-0.3	316.3	8.14	108.7
04.23.2021	13:49:51	S	3427.69	E	207.45	11.2	4.6	2.4	55.8	63.5	-0.1	-0.3	322.9	8.14	108.7
04.23.2021	13:50:51	S	3427.69	E	207.69	9.8	4.6	2.1	53.5	63.1	0.0	-0.2	319.5	8.16	108.7
04.23.2021	13:51:51	S	3427.7	E	207.9	11.7	4.6	2.5	57.2	64.0	-0.0	-0.3	323.1	8.16	108.7
04.23.2021	13:52:51	S	3427.72	E	208.14	12.0	4.6	2.6	52.7	64.3	-0.1	-0.3	322.7	8.14	108.7
04.23.2021	13:53:51	S	3427.74	E	208.37	12.0	4.6	2.6	55.2	63.9	-0.1	-0.3	322.6	8.16	108.7
04.23.2021	13:54:51	S	3427.75	E	208.6	7.7	4.5	1.7	50.2	63.7	-0.1	-0.3	322.1	8.16	108.7
04.23.2021	13:55:51	S	3427.77	E	208.85	11.0	4.6	2.3	48.9	63.7	-0.1	-0.3	321.4	8.16	108.7

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	13:56:51	S	3427.77	E	209.07	11.1	4.6	2.4	53.5	63.6	-0.1	-0.3	323.0	8.16	108.7	
04.23.2021	13:57:51	S	3427.79	E	209.29	9.9	4.6	2.1	59.3	64.1	0.0	-0.2	318.0	8.16	108.7	
04.23.2021	13:58:54	S	3427.81	E	209.56	11.6	4.7	2.5	53.6	65.0	-0.0	-0.2	316.2	8.16	108.7	
04.23.2021	13:59:54	S	3427.82	E	209.76	13.7	4.6	2.9	52.9	64.7	-0.1	-0.3	317.8	8.14	108.7	
04.23.2021	14:00:54	S	3427.84	E	210	10.9	4.6	2.3	55.7	64.0	-0.1	-0.4	316.4	8.16	108.7	
04.23.2021	14:01:54	S	3427.85	E	210.22	10.0	4.6	2.1	53.8	63.8	-0.1	-0.4	314.7	8.16	108.7	
04.23.2021	14:02:54	S	3427.87	E	210.46	12.6	4.6	2.7	52.3	63.8	-0.1	-0.3	317.7	8.17	108.5	
04.23.2021	14:03:54	S	3427.88	E	210.7	13.6	4.6	2.9	55.0	65.2	-0.1	-0.4	315.2	8.14	108.7	
04.23.2021	14:04:54	S	3427.89	E	210.92	9.8	4.6	2.1	50.7	64.7	-0.2	-0.4	321.3	8.14	108.7	
04.23.2021	14:05:54	S	3427.9	E	211.15	10.4	4.6	2.2	54.6	64.4	-0.1	-0.3	319.2	8.16	108.7	
04.23.2021	14:06:54	S	3427.92	E	211.38	11.6	4.6	2.5	56.4	57.1	-0.1	-0.3	323.5	8.16	108.7	
04.23.2021	14:07:54	S	3427.94	E	211.62	8.8	4.6	1.9	51.0	59.8	-0.1	-0.3	321.9	8.14	108.7	
04.23.2021	14:08:55	S	3427.95	E	211.87	9.3	4.6	2.0	49.7	59.9	-0.1	-0.3	322.2	8.18	108.7	
04.23.2021	14:09:55	S	3427.97	E	212.1	12.0	4.5	2.6	50.8	57.5	0.0	-0.3	323.1	8.18	108.7	
04.23.2021	14:10:55	S	3427.98	E	212.31	9.7	4.6	2.0	52.7	57.5	-0.0	-0.2	322.6	8.14	108.7	
04.23.2021	14:11:55	S	3428	E	212.56	10.2	4.6	2.2	53.6	58.1	-0.1	-0.3	318.9	8.14	108.7	
04.23.2021	14:12:55	S	3428.02	E	212.79	13.6	4.6	2.9	52.5	57.5	-0.1	-0.3	320.8	8.18	108.7	
04.23.2021	14:13:55	S	3428.04	E	213.01	9.8	4.6	2.1	50.5	57.6	0.0	-0.2	318.1	8.16	108.7	
04.23.2021	14:14:55	S	3428.05	E	213.23	7.0	4.5	1.5	50.9	57.3	-0.1	-0.3	322.9	8.14	108.7	
04.23.2021	14:15:55	S	3428.07	E	213.46	13.4	4.6	2.9	51.6	56.9	0.0	-0.2	314.3	8.14	108.7	
04.23.2021	14:16:56	S	3428.08	E	213.71	10.7	4.6	2.3	54.3	57.0	-0.1	-0.4	317.6	8.14	108.7	
04.23.2021	14:17:56	S	3428.1	E	213.89	6.9	4.6	1.4	54.7	57.6	0.0	-0.2	313.2	8.14	108.7	
04.23.2021	14:18:51	S	3428.12	E	214.16	13.2	4.6	2.8	52.1	56.6	-0.1	-0.4	318.0	8.18	108.7	
04.23.2021	14:19:51	S	3428.12	E	214.24	13.0	4.6	2.8	52.0	60.6	0.0	-0.3	316.6	8.16	108.7	
04.23.2021	14:20:51	S	3428.15	E	214.6	8.5	4.6	1.8	52.5	60.0	-0.2	-0.4	318.4	8.18	108.7	
04.23.2021	14:21:51	S	3428.17	E	214.82	11.7	4.5	2.5	48.5	60.1	-0.0	-0.2	318.2	8.18	108.7	
04.23.2021	14:22:51	S	3428.18	E	215.07	14.3	4.6	3.1	53.0	59.5	-0.0	-0.3	321.3	8.14	108.7	
04.23.2021	14:23:51	S	3428.2	E	215.29	9.6	4.6	2.0	50.5	60.9	-0.0	-0.3	322.0	8.16	108.7	
04.23.2021	14:24:51	S	3428.22	E	215.53	9.7	4.6	2.0	56.0	60.7	-0.0	-0.3	322.0	8.18	108.7	
04.23.2021	14:25:51	S	3428.24	E	215.78	13.2	4.6	2.8	53.1	60.1	-0.1	-0.4	322.5	8.16	108.7	
04.23.2021	14:26:51	S	3428.25	E	215.96	11.4	4.6	2.4	52.6	63.7	-0.1	-0.2	322.2	8.14	108.7	
04.23.2021	14:27:51	S	3428.27	E	216.23	7.7	4.6	1.6	51.1	62.0	-0.1	-0.3	322.0	8.16	108.7	
04.23.2021	14:28:57	S	3428.29	E	216.46	11.7	1.9	6.1	53.9	62.3	-0.1	-0.4	320.9	8.14	108.7	
04.23.2021	14:29:57	S	3428.31	E	216.71	14.9	2.9	5.1	51.8	61.8	-0.1	-0.3	319.8	8.16	108.7	
04.23.2021	14:30:57	S	3428.32	E	216.93	5.4	4.4	1.2	49.6	61.5	-0.0	-0.3	319.2	8.16	108.7	
04.23.2021	14:31:57	S	3428.34	E	217.16	12.2	4.6	2.6	53.1	63.6	-0.1	-0.4	319.3	8.16	108.7	
04.23.2021	14:32:57	S	3428.36	E	217.42	12.1	4.6	2.6	52.5	60.7	0.0	-0.3	316.4	8.16	108.7	
04.23.2021	14:33:57	S	3428.37	E	217.61	9.8	4.6	2.1	50.8	60.4	-0.1	-0.4	315.5	8.16	108.7	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	14:34:57	S	3428.39	E	217.85	12.8	4.6	2.7	54.8	61.8	-0.1	-0.3	318.4	8.16	108.7
04.23.2021	14:35:57	S	3428.41	E	218.09	14.1	4.6	3.0	51.7	60.1	-0.1	-0.4	319.9	8.16	108.7
04.23.2021	14:36:57	S	3428.43	E	218.35	10.5	4.5	2.3	51.8	67.1	-0.0	-0.2	317.5	8.12	108.7
04.23.2021	14:37:57	S	3428.44	E	218.58	8.9	4.6	1.9	53.9	66.8	0.0	-0.2	320.0	8.12	108.7
04.23.2021	14:38:52	S	3428.46	E	218.8	14.5	4.6	3.1	56.5	67.5	-0.1	-0.3	322.7	8.17	108.5
04.23.2021	14:39:52	S	3428.48	E	219.04	12.0	4.6	2.6	53.1	67.6	-0.1	-0.2	322.1	8.13	108.5
04.23.2021	14:40:52	S	3428.5	E	219.28	7.6	4.6	1.6	52.4	67.6	0.0	-0.2	322.1	8.14	108.7
04.23.2021	14:41:52	S	3428.52	E	219.53	13.2	4.6	2.8	50.4	66.8	-0.1	-0.3	321.3	8.14	108.7
04.23.2021	14:42:52	S	3428.53	E	219.74	15.5	4.6	3.3	48.6	67.5	0.0	-0.2	321.4	8.12	108.7
04.23.2021	14:43:52	S	3428.56	E	220.02	8.4	4.6	1.8	56.1	67.3	0.0	-0.2	323.2	8.14	108.7
04.23.2021	14:44:52	S	3428.57	E	220.26	8.0	4.6	1.7	51.6	67.4	0.0	-0.2	321.6	8.14	108.7
04.23.2021	14:45:52	S	3428.59	E	220.46	13.6	4.6	2.9	48.4	67.0	-0.1	-0.3	319.2	8.13	108.5
04.23.2021	14:46:52	S	3428.6	E	220.67	7.9	4.5	1.7	52.2	66.7	-0.1	-0.3	318.5	8.17	108.7
04.23.2021	14:47:52	S	3428.6	E	220.93	12.0	4.6	2.6	52.6	67.6	0.1	-0.2	317.0	8.16	108.7
04.23.2021	14:48:55	S	3428.6	E	221.2	10.9	4.7	2.3	51.0	67.3	0.0	-0.3	315.3	8.14	108.7
04.23.2021	14:49:55	S	3428.6	E	221.42	8.2	4.6	1.7	54.4	63.4	-0.0	-0.3	314.9	8.14	108.7
04.23.2021	14:50:55	S	3428.62	E	221.63	11.6	4.6	2.4	50.9	63.7	-0.0	-0.2	313.3	8.17	108.7
04.23.2021	14:51:55	S	3428.63	E	221.89	12.2	4.5	2.6	52.4	64.3	-0.0	-0.3	316.4	8.14	108.7
04.23.2021	14:52:55	S	3428.64	E	222.11	11.2	4.5	2.5	52.4	64.1	0.0	-0.2	313.4	8.14	108.7
04.23.2021	14:53:55	S	3428.64	E	222.11	6.6	4.5	1.4	48.0	58.3	0.0	-0.3	321.2	8.12	108.7
04.23.2021	14:54:55	S	3428.64	E	222.6	9.3	4.6	2.0	54.8	57.1	-0.0	-0.3	322.6	8.16	108.7
04.23.2021	14:55:55	S	3428.65	E	222.83	11.5	4.6	2.5	53.3	57.4	-0.0	-0.2	323.8	8.14	108.7
04.23.2021	14:56:55	S	3428.65	E	223.07	9.5	4.6	2.0	52.2	57.7	0.0	-0.3	321.6	8.14	108.7
04.23.2021	14:57:55	S	3428.66	E	223.32	12.2	4.6	2.6	54.0	58.1	0.0	-0.2	321.2	8.12	108.7
04.23.2021	14:58:53	S	3428.67	E	223.57	13.5	4.6	2.9	52.6	58.6	-0.1	-0.3	323.1	8.12	108.7
04.23.2021	14:59:53	S	3428.68	E	223.78	8.8	4.5	1.9	51.7	58.3	-0.1	-0.3	322.6	8.16	108.7
04.23.2021	15:00:53	S	3428.68	E	224.04	7.3	4.6	1.5	50.6	57.6	-0.1	-0.3	318.8	8.12	108.7
04.23.2021	15:01:53	S	3428.68	E	224.26	15.2	4.5	3.3	56.4	57.7	-0.1	-0.3	320.6	8.17	108.5
04.23.2021	15:02:53	S	3428.69	E	224.52	10.7	4.6	2.2	53.4	57.6	0.0	-0.3	316.7	8.12	108.7
04.23.2021	15:03:53	S	3428.69	E	224.77	10.2	4.6	2.1	51.5	57.5	-0.1	-0.3	317.8	8.14	108.7
04.23.2021	15:04:53	S	3428.7	E	225	14.4	4.6	3.1	52.9	57.6	-0.0	-0.2	314.5	8.16	108.7
04.23.2021	15:05:53	S	3428.7	E	225.22	8.1	4.6	1.7	55.7	57.4	-0.1	-0.3	317.9	8.12	108.7
04.23.2021	15:06:53	S	3428.7	E	225.46	9.8	4.6	2.1	51.0	57.0	-0.1	-0.3	312.8	8.12	108.7
04.23.2021	15:07:53	S	3428.71	E	225.69	10.6	4.6	2.2	50.7	57.3	-0.0	-0.3	317.4	8.13	108.5
04.23.2021	15:08:48	S	3428.71	E	225.94	12.5	4.6	2.7	52.1	57.1	0.0	-0.2	317.9	8.15	108.5
04.23.2021	15:09:48	S	3428.71	E	226.21	6.3	4.6	1.3	55.3	56.4	-0.1	-0.3	320.0	8.16	108.7
04.23.2021	15:10:48	S	3428.71	E	226.44	8.3	4.6	1.8	49.0	56.8	-0.0	-0.2	319.9	8.16	108.7
04.23.2021	15:11:48	S	3428.71	E	226.67	12.8	4.6	2.8	50.5	56.7	-0.1	-0.3	323.5	8.16	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	15:12:48	S	3428.72	E	226.92	10.2	4.6	2.2	54.6	57.1	-0.1	-0.4	322.6	8.16	108.7
04.23.2021	15:13:48	S	3428.72	E	227.02	6.8	4.6	1.5	50.7	45.4	-0.1	-0.3	0.0	8.12	108.7
04.23.2021	15:14:48	S	3428.73	E	227.41	11.0	4.6	2.3	52.7	47.6	-0.0	-0.3	-0.2	8.16	108.7
04.23.2021	15:15:48	S	3428.73	E	227.62	14.6	4.4	3.3	52.0	47.4	-0.1	-0.3	0.1	8.14	108.7
04.23.2021	15:16:48	S	3428.74	E	227.88	11.4	3.2	3.5	53.3	47.2	-0.0	-0.3	0.0	8.18	108.7
04.23.2021	15:17:48	S	3428.74	E	228.12	11.8	1.7	6.9	54.4	46.3	-0.1	-0.3	0.2	8.18	108.7
04.23.2021	15:18:57	S	3428.74	E	228.35	18.3	0.7	25.8	55.7	47.8	0.0	-0.2	0.1	8.14	108.7
04.23.2021	15:19:57	S	3428.74	E	228.35	14.4	0.0	0.0	54.7	47.1	0.0	-0.2	0.0	8.14	108.7
04.23.2021	15:20:57	S	3428.75	E	228.82	16.2	0.0	0.0	57.5	47.1	0.0	-0.2	0.0	8.18	108.7
04.23.2021	15:21:57	S	3428.75	E	229.03	22.2	0.0	0.0	54.4	47.6	-0.1	-0.3	-0.1	8.16	108.7
04.23.2021	15:22:57	S	3428.76	E	229.28	19.8	0.0	0.0	54.4	47.0	-0.1	-0.3	-0.2	8.18	108.7
04.23.2021	15:23:57	S	3428.76	E	229.54	20.4	0.0	0.0	51.9	47.1	-0.1	-0.3	0.1	8.16	108.7
04.23.2021	15:24:57	S	3428.76	E	229.76	22.4	0.0	0.0	52.8	47.3	-0.1	-0.3	-0.2	8.16	108.7
04.23.2021	15:25:57	S	3428.76	E	230.04	21.2	0.0	0.0	53.4	53.9	-0.1	-0.3	-0.0	8.16	108.7
04.23.2021	15:26:57	S	3428.76	E	230.22	19.6	0.0	0.0	52.1	54.0	0.0	-0.2	-0.0	8.16	108.7
04.23.2021	15:27:57	S	3428.77	E	230.5	22.2	0.0	0.0	51.6	54.2	0.0	-0.2	-0.2	8.16	108.7
04.23.2021	15:28:55	S	3428.77	E	230.75	22.4	0.0	0.0	58.2	54.1	-0.0	-0.3	0.1	8.18	108.7
04.23.2021	15:29:55	S	3428.76	E	230.99	19.1	0.0	0.0	53.2	55.5	-0.0	-0.2	0.1	8.18	108.7
04.23.2021	15:30:55	S	3428.77	E	231.24	20.7	0.0	0.0	52.9	75.1	-0.1	-0.3	543.0	8.18	108.7
04.23.2021	15:31:55	S	3428.77	E	231.44	22.2	0.0	0.0	54.2	62.3	-0.1	-0.3	294.7	8.12	108.7
04.23.2021	15:32:55	S	3428.77	E	231.71	17.4	0.0	0.0	52.6	64.1	-0.1	-0.3	322.0	8.16	108.7
04.23.2021	15:33:55	S	3428.77	E	231.93	9.2	3.8	2.3	50.6	75.0	0.0	-0.3	543.1	8.16	108.7
04.23.2021	15:34:55	S	3428.77	E	232.19	14.7	4.5	3.2	51.4	64.6	-0.0	-0.3	321.4	8.16	108.7
04.23.2021	15:35:55	S	3428.77	E	232.44	10.4	4.6	2.2	53.0	66.7	-0.0	-0.3	322.3	8.14	108.7
04.23.2021	15:36:55	S	3428.77	E	232.64	12.2	4.6	2.6	54.6	67.2	-0.1	-0.3	318.6	8.16	108.7
04.23.2021	15:37:55	S	3428.78	E	232.88	12.8	4.6	2.7	54.3	65.8	0.0	-0.3	322.4	8.16	108.7
04.23.2021	15:38:53	S	3428.79	E	233.19	11.8	4.6	2.5	51.6	66.5	-0.0	-0.3	316.1	8.16	108.7
04.23.2021	15:39:53	S	3428.8	E	233.4	8.5	4.6	1.8	49.1	65.1	-0.1	-0.3	320.9	8.16	108.7
04.23.2021	15:40:53	S	3428.81	E	233.64	12.2	4.5	2.7	53.1	65.7	-0.1	-0.4	321.6	8.16	108.7
04.23.2021	15:41:53	S	3428.81	E	233.9	10.3	4.6	2.2	55.2	57.6	-0.2	-0.4	321.8	8.12	108.7
04.23.2021	15:42:53	S	3428.82	E	234.16	9.7	4.6	2.0	51.0	57.9	-0.0	-0.3	323.3	8.13	108.5
04.23.2021	15:43:53	S	3428.82	E	234.35	13.0	4.6	2.8	52.4	58.0	-0.0	-0.3	322.0	8.16	108.7
04.23.2021	15:44:53	S	3428.83	E	234.64	14.2	4.6	3.0	49.8	57.7	-0.1	-0.4	322.0	8.16	108.7
04.23.2021	15:45:53	S	3428.84	E	234.85	11.0	4.6	2.4	50.6	58.1	0.0	-0.3	321.4	8.16	108.7
04.23.2021	15:46:53	S	3428.85	E	235.11	10.0	4.6	2.1	52.6	58.6	-0.0	-0.2	320.0	8.12	108.7
04.23.2021	15:47:53	S	3428.85	E	235.35	12.6	4.6	2.7	50.6	58.0	-0.1	-0.3	319.5	8.12	108.7
04.23.2021	15:48:54	S	3428.86	E	235.62	10.0	4.6	2.2	53.9	58.7	-0.1	-0.3	318.4	8.16	108.7
04.23.2021	15:49:54	S	3428.86	E	235.84	8.4	4.6	1.8	55.3	57.5	-0.2	-0.4	318.3	8.16	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	15:50:54	S	3428.86	E	236.1	13.5	4.6	2.9	54.8	57.6	-0.1	-0.3	317.0	8.16	108.7
04.23.2021	15:51:54	S	3428.87	E	236.32	9.6	4.6	2.0	51.8	57.7	-0.1	-0.4	316.2	8.16	108.7
04.23.2021	15:52:54	S	3428.89	E	236.59	8.8	4.6	1.9	54.6	59.2	-0.0	-0.3	323.3	8.14	108.7
04.23.2021	15:53:54	S	3428.91	E	236.81	11.0	4.6	2.3	46.9	58.0	-0.1	-0.3	322.2	8.14	108.7
04.23.2021	15:54:54	S	3428.93	E	237.07	13.3	4.5	2.9	52.8	58.0	-0.0	-0.3	322.2	8.16	108.7
04.23.2021	15:55:54	S	3428.95	E	237.33	8.6	4.6	1.8	51.2	58.1	-0.0	-0.3	321.3	8.12	108.7
04.23.2021	15:56:54	S	3428.96	E	237.57	9.9	4.6	2.1	52.3	58.5	-0.1	-0.3	322.0	8.15	108.5
04.23.2021	15:57:54	S	3428.97	E	237.79	10.8	4.6	2.3	52.9	57.7	-0.1	-0.3	323.2	8.16	108.7
04.23.2021	15:58:59	S	3428.99	E	238.07	11.1	4.6	2.4	55.1	57.9	-0.1	-0.4	322.2	8.17	108.7
04.23.2021	15:59:59	S	3429.01	E	238.3	9.0	4.6	1.9	53.3	57.7	0.0	-0.2	321.7	8.14	108.7
04.23.2021	16:00:59	S	3429.03	E	238.54	13.0	4.6	2.8	53.1	57.5	0.0	-0.2	323.5	8.14	108.7
04.23.2021	16:01:59	S	3429.04	E	238.8	11.8	4.6	2.5	50.3	58.2	0.0	-0.3	321.0	8.14	108.7
04.23.2021	16:02:59	S	3429.06	E	239.02	6.6	4.6	1.4	53.1	58.0	-0.1	-0.3	320.3	8.14	108.7
04.23.2021	16:03:59	S	3429.08	E	239.27	10.1	4.6	2.1	53.6	59.4	-0.1	-0.3	320.3	8.14	108.7
04.23.2021	16:04:59	S	3429.09	E	239.5	14.0	4.6	3.0	52.2	61.4	-0.0	-0.3	318.7	8.17	108.7
04.23.2021	16:05:59	S	3429.1	E	239.73	10.5	4.6	2.2	50.0	62.2	-0.1	-0.4	316.1	8.14	108.7
04.23.2021	16:06:59	S	3429.12	E	240.01	10.2	4.6	2.1	57.7	63.0	0.0	-0.2	314.9	8.14	108.7
04.23.2021	16:07:59	S	3429.14	E	240.27	11.8	4.6	2.5	49.5	61.4	-0.0	-0.2	315.6	8.17	108.7
04.23.2021	16:08:55	S	3429.15	E	240.49	13.4	4.6	2.9	52.7	61.0	-0.1	-0.3	319.0	8.17	108.7
04.23.2021	16:09:55	S	3429.17	E	240.73	8.0	4.6	1.7	51.6	61.0	-0.1	-0.2	320.9	8.16	108.7
04.23.2021	16:10:55	S	3429.18	E	240.97	13.4	4.6	2.8	51.7	61.4	0.0	-0.2	322.2	8.13	108.7
04.23.2021	16:11:55	S	3429.2	E	241.22	13.5	4.6	2.9	54.9	62.8	-0.1	-0.3	322.9	8.14	108.7
04.23.2021	16:12:55	S	3429.22	E	241.49	9.7	4.6	2.0	50.8	61.5	-0.1	-0.3	321.9	8.14	108.7
04.23.2021	16:13:55	S	3429.23	E	241.7	9.4	4.6	2.0	54.8	68.7	-0.0	-0.3	322.8	8.17	108.7
04.23.2021	16:14:55	S	3429.24	E	241.95	11.2	4.6	2.4	55.7	69.1	-0.1	-0.3	322.8	8.17	108.7
04.23.2021	16:15:55	S	3429.26	E	242.18	9.2	4.6	1.9	53.6	68.9	-0.1	-0.3	323.2	8.17	108.7
04.23.2021	16:16:55	S	3429.27	E	242.44	6.5	4.6	1.4	53.3	69.0	-0.1	-0.3	320.3	8.17	108.7
04.23.2021	16:17:55	S	3429.28	E	242.71	12.2	4.6	2.6	53.2	69.6	-0.1	-0.3	319.9	8.14	108.7
04.23.2021	16:18:54	S	3429.29	E	242.95	8.6	4.6	1.8	53.3	69.3	-0.0	-0.3	314.9	8.17	108.7
04.23.2021	16:19:54	S	3429.3	E	243.18	7.0	4.6	1.5	53.2	69.3	-0.2	-0.4	316.4	8.17	108.7
04.23.2021	16:20:54	S	3429.31	E	243.42	11.8	4.7	2.5	50.3	68.3	-0.1	-0.3	315.4	8.14	108.7
04.23.2021	16:21:54	S	3429.33	E	243.68	10.6	4.6	2.3	53.3	68.8	-0.1	-0.4	314.3	8.17	108.7
04.23.2021	16:22:54	S	3429.34	E	243.9	6.5	4.6	1.4	50.5	68.4	-0.0	-0.3	313.8	8.17	108.7
04.23.2021	16:23:54	S	3429.36	E	244.18	11.2	4.6	2.4	52.4	68.8	-0.1	-0.3	322.1	8.17	108.7
04.23.2021	16:24:54	S	3429.37	E	244.41	12.7	4.6	2.7	52.6	67.1	0.0	-0.3	316.7	8.17	108.7
04.23.2021	16:25:54	S	3429.38	E	244.65	9.4	4.6	2.0	59.6	67.7	0.0	-0.2	317.3	8.17	108.7
04.23.2021	16:26:54	S	3429.39	E	244.92	6.9	4.6	1.5	51.8	66.5	0.0	-0.2	321.7	8.17	108.7
04.23.2021	16:27:54	S	3429.4	E	245.12	10.0	4.6	2.1	52.8	68.4	-0.1	-0.4	323.2	8.12	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	16:28:56	S	3429.42	E	245.42	10.7	4.6	2.2	49.0	68.1	-0.1	-0.4	322.3	8.14	108.7
04.23.2021	16:29:56	S	3429.43	E	245.64	10.5	4.6	2.2	51.7	60.8	-0.0	-0.3	324.2	8.14	108.7
04.23.2021	16:30:56	S	3429.44	E	245.91	10.4	4.6	2.2	53.9	61.2	0.0	-0.2	322.1	8.17	108.7
04.23.2021	16:31:56	S	3429.44	E	246.14	13.2	4.6	2.8	53.4	60.7	-0.0	-0.3	321.8	8.14	108.7
04.23.2021	16:32:56	S	3429.46	E	246.38	8.2	4.6	1.7	52.3	61.9	-0.1	-0.4	320.6	8.14	108.7
04.23.2021	16:33:56	S	3429.47	E	246.63	13.3	4.6	2.9	51.9	59.2	-0.1	-0.3	319.9	8.14	108.7
04.23.2021	16:34:56	S	3429.48	E	246.88	13.1	4.6	2.8	49.1	58.2	-0.0	-0.2	316.2	8.12	108.7
04.23.2021	16:35:56	S	3429.5	E	247.15	8.6	4.6	1.8	54.3	58.9	-0.0	-0.2	320.9	8.14	108.7
04.23.2021	16:36:56	S	3429.5	E	247.2	8.8	4.6	1.9	52.4	51.4	-0.1	-0.3	-0.1	8.14	108.7
04.23.2021	16:37:56	S	3429.51	E	247.63	11.4	4.6	2.4	52.1	48.0	-0.0	-0.2	0.1	8.14	108.7
04.23.2021	16:39:00	S	3429.52	E	247.71	8.2	4.4	1.8	52.3	47.9	0.0	-0.2	-0.1	8.14	108.7
04.23.2021	16:40:00	S	3429.53	E	248.13	9.1	3.1	2.9	53.0	48.2	0.0	-0.2	-0.0	8.16	108.7
04.23.2021	16:41:00	S	3429.55	E	248.39	11.6	1.8	6.4	53.7	48.4	-0.1	-0.3	0.1	8.16	108.7
04.23.2021	16:42:00	S	3429.56	E	248.61	15.1	0.7	20.5	51.6	68.3	-0.0	-0.2	540.5	8.14	108.7
04.23.2021	16:43:00	S	3429.57	E	248.85	13.2	0.0	0.0	51.5	61.8	-0.1	-0.3	460.9	8.13	108.5
04.23.2021	16:44:00	S	3429.57	E	249.1	17.3	0.0	0.0	52.4	57.1	-0.1	-0.3	320.4	8.14	108.7
04.23.2021	16:45:00	S	3429.59	E	249.37	18.2	1.5	12.6	54.4	57.6	0.0	-0.2	322.1	8.17	108.7
04.23.2021	16:46:00	S	3429.6	E	249.63	7.4	4.3	1.7	46.9	57.6	0.0	-0.2	322.2	8.16	108.7
04.23.2021	16:47:00	S	3429.61	E	249.83	11.0	4.6	2.3	53.1	57.9	-0.1	-0.4	321.9	8.16	108.7
04.23.2021	16:48:00	S	3429.62	E	250.12	12.4	4.6	2.6	53.3	57.9	-0.1	-0.3	322.4	8.16	108.7
04.23.2021	16:48:55	S	3429.63	E	250.34	8.6	4.6	1.8	54.5	46.3	-0.1	-0.3	0.1	8.12	108.7
04.23.2021	16:49:55	S	3429.64	E	250.61	14.1	4.6	3.0	51.4	50.5	-0.1	-0.3	0.0	8.16	108.7
04.23.2021	16:50:55	S	3429.64	E	250.87	11.6	4.4	2.6	52.1	47.3	-0.0	-0.3	0.1	8.13	108.5
04.23.2021	16:51:55	S	3429.64	E	250.87	11.3	3.2	3.5	52.6	47.4	-0.1	-0.3	-0.2	8.14	108.7
04.23.2021	16:52:55	S	3429.67	E	251.36	10.7	1.7	6.2	49.0	47.1	-0.1	-0.3	0.1	8.18	108.7
04.23.2021	16:53:55	S	3429.68	E	251.57	12.7	0.7	17.7	49.7	50.4	-0.1	-0.3	-0.1	8.15	108.5
04.23.2021	16:54:55	S	3429.69	E	251.84	12.5	0.0	0.0	49.2	68.9	0.1	-0.2	537.7	8.14	108.7
04.23.2021	16:55:55	S	3429.71	E	252.07	11.0	0.0	0.0	50.1	56.7	0.0	-0.2	289.2	8.14	108.7
04.23.2021	16:56:55	S	3429.72	E	252.34	10.9	0.0	0.0	49.7	58.2	-0.0	-0.2	315.7	8.14	108.7
04.23.2021	16:57:55	S	3429.73	E	252.58	13.8	3.4	4.1	54.5	67.8	-0.1	-0.3	535.7	8.14	108.7
04.23.2021	16:58:55	S	3429.75	E	252.82	12.4	4.5	2.7	49.4	66.7	-0.1	-0.3	534.0	8.14	108.7
04.23.2021	16:59:55	S	3429.76	E	253.08	10.8	4.7	2.3	50.2	67.4	0.0	-0.2	522.2	8.14	108.7
04.23.2021	17:00:55	S	3429.77	E	253.32	12.6	4.6	2.7	52.6	54.9	-0.1	-0.3	-0.2	8.16	108.7
04.23.2021	17:01:55	S	3429.78	E	253.55	14.3	4.6	3.1	50.4	54.3	-0.1	-0.4	-0.1	8.12	108.5
04.23.2021	17:02:55	S	3429.8	E	253.8	15.5	3.5	4.4	52.3	54.8	-0.1	-0.3	-0.1	8.18	108.7
04.23.2021	17:03:55	S	3429.81	E	254.06	13.8	1.8	7.9	49.7	55.0	-0.1	-0.3	-0.0	8.16	108.7
04.23.2021	17:04:55	S	3429.81	E	254.28	15.7	0.2	7.0	49.9	54.5	0.0	-0.2	0.0	8.14	108.0
04.23.2021	17:05:55	S	3429.82	E	254.54	15.8	0.0	0.0	52.6	73.8	-0.0	-0.3	506.7	8.14	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	17:06:55	S	3429.83	E	254.77	13.6	0.0	0.0	50.0	61.8	0.0	-0.2	275.1	8.14	108.7
04.23.2021	17:07:55	S	3429.84	E	255.04	12.4	0.0	0.0	50.6	64.1	-0.0	-0.3	313.2	8.14	108.7
04.23.2021	17:08:55	S	3429.85	E	255.27	12.0	1.2	10.1	55.2	65.0	-0.1	-0.3	322.8	8.14	108.7
04.23.2021	17:09:55	S	3429.86	E	255.53	5.8	4.2	1.3	52.5	65.5	0.0	-0.3	322.2	8.16	108.7
04.23.2021	17:10:55	S	3429.87	E	255.77	8.2	4.6	1.7	52.1	64.4	0.0	-0.2	321.0	8.14	108.7
04.23.2021	17:11:55	S	3429.88	E	255.99	7.5	4.6	1.6	52.1	63.4	-0.1	-0.3	319.6	8.14	108.7
04.23.2021	17:12:55	S	3429.89	E	256.25	9.5	4.7	2.0	48.7	65.0	-0.1	-0.3	319.7	8.14	108.7
04.23.2021	17:13:55	S	3429.9	E	256.48	14.1	4.7	2.9	51.8	64.7	-0.0	-0.3	318.4	8.18	108.7
04.23.2021	17:14:55	S	3429.91	E	256.75	14.3	4.7	3.0	51.0	64.7	-0.1	-0.3	317.0	8.14	108.7
04.23.2021	17:15:55	S	3429.93	E	256.99	16.1	4.7	3.4	51.2	64.7	-0.1	-0.3	315.9	8.14	108.7
04.23.2021	17:16:55	S	3429.94	E	257.23	17.5	4.7	3.7	49.4	64.5	-0.0	-0.3	314.7	8.16	108.7
04.23.2021	17:17:55	S	3429.95	E	257.45	15.8	4.7	3.3	52.6	57.1	0.0	-0.2	315.9	8.18	108.7
04.23.2021	17:18:58	S	3429.96	E	257.72	13.9	4.7	2.9	52.7	56.8	0.0	-0.2	321.1	8.18	108.7
04.23.2021	17:19:58	S	3429.97	E	257.91	12.5	4.7	2.6	52.3	57.3	-0.1	-0.3	321.0	8.18	108.7
04.23.2021	17:20:58	S	3429.99	E	258.21	12.0	4.6	2.6	54.7	58.5	0.1	-0.2	322.0	8.18	108.7
04.23.2021	17:21:58	S	3430	E	258.42	10.1	4.6	2.1	50.9	59.2	-0.0	-0.2	323.6	8.18	108.7
04.23.2021	17:22:58	S	3430.01	E	258.7	9.8	4.7	2.1	53.3	59.2	-0.1	-0.3	322.4	8.18	108.7
04.23.2021	17:23:58	S	3430.02	E	258.89	10.4	4.6	2.2	51.7	59.6	-0.0	-0.2	322.2	8.18	108.7
04.23.2021	17:24:58	S	3430.03	E	259.17	12.0	4.7	2.5	49.8	58.9	-0.1	-0.3	322.2	8.18	108.7
04.23.2021	17:25:58	S	3430.04	E	259.39	12.5	4.7	2.6	55.4	58.6	0.0	-0.2	320.5	8.18	108.7
04.23.2021	17:26:58	S	3430.05	E	259.66	14.4	4.7	3.0	53.3	58.0	-0.1	-0.3	321.9	8.18	108.7
04.23.2021	17:27:58	S	3430.06	E	259.9	16.3	4.7	3.4	52.2	58.1	-0.1	-0.3	321.3	8.16	108.7
04.23.2021	17:28:55	S	3430.08	E	300.13	17.4	4.6	3.7	53.6	58.3	0.0	-0.2	320.1	8.16	108.7
04.23.2021	17:29:55	S	3430.09	E	300.39	17.1	4.7	3.6	49.9	57.8	-0.1	-0.3	315.2	8.14	108.7
04.23.2021	17:30:55	S	3430.11	E	300.63	17.8	4.7	3.8	52.4	58.2	-0.1	-0.4	317.3	8.16	108.7
04.23.2021	17:31:55	S	3430.12	E	300.85	18.8	4.7	4.0	52.1	58.1	0.1	-0.2	315.1	8.16	108.7
04.23.2021	17:32:55	S	3430.13	E	301.08	14.9	4.7	3.1	53.9	57.5	0.0	-0.2	320.8	8.16	108.7
04.23.2021	17:33:55	S	3430.14	E	301.33	12.8	4.7	2.7	54.1	58.1	-0.0	-0.3	317.7	8.16	108.7
04.23.2021	17:34:55	S	3430.16	E	301.56	11.8	4.7	2.5	49.8	57.6	-0.0	-0.2	322.5	8.18	108.7
04.23.2021	17:35:55	S	3430.18	E	301.85	10.1	4.6	2.1	51.2	58.3	0.0	-0.2	321.1	8.18	108.7
04.23.2021	17:36:55	S	3430.19	E	302.04	9.2	4.7	1.9	52.5	57.7	-0.1	-0.4	313.5	8.16	108.7
04.23.2021	17:37:55	S	3430.2	E	302.25	10.1	4.7	2.1	48.7	57.6	-0.1	-0.4	323.0	8.16	108.7
04.23.2021	17:38:53	S	3430.2	E	302.25	11.9	4.7	2.5	52.8	56.6	-0.2	-0.4	321.0	8.16	108.7
04.23.2021	17:39:53	S	3430.23	E	302.81	13.8	4.7	2.9	52.4	58.8	0.1	-0.2	321.1	8.13	108.7
04.23.2021	17:40:53	S	3430.24	E	303.02	13.7	4.7	2.9	50.3	58.7	-0.0	-0.2	322.4	8.14	108.7
04.23.2021	17:41:53	S	3430.26	E	303.25	17.6	4.7	3.7	51.1	58.7	-0.1	-0.3	320.3	8.18	108.7
04.23.2021	17:42:53	S	3430.27	E	303.53	16.8	4.7	3.6	52.4	58.9	0.0	-0.2	320.9	8.14	108.7
04.23.2021	17:43:53	S	3430.29	E	303.77	17.8	4.7	3.8	50.9	58.0	-0.0	-0.3	321.3	8.18	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087					System Name: PaSOx_smart2.0					Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	17:44:53	S	3430.3	E	304.02	16.8	4.7	3.6	51.5	58.1	-0.1	-0.3	320.7	8.18	108.7
04.23.2021	17:45:53	S	3430.31	E	304.25	15.4	4.7	3.3	50.5	58.2	-0.1	-0.4	322.5	8.16	108.7
04.23.2021	17:46:53	S	3430.32	E	304.44	12.4	4.7	2.6	53.4	57.3	-0.0	-0.2	321.5	8.16	108.7
04.23.2021	17:47:53	S	3430.34	E	304.69	14.6	4.7	3.0	52.8	58.4	0.0	-0.3	320.4	8.16	108.7
04.23.2021	17:48:56	S	3430.36	E	304.96	12.0	4.7	2.5	52.1	58.1	-0.0	-0.3	319.2	8.16	108.7
04.23.2021	17:49:56	S	3430.37	E	305.17	10.2	4.7	2.1	52.0	65.0	0.0	-0.2	320.0	8.18	108.7
04.23.2021	17:50:56	S	3430.38	E	305.43	11.7	4.7	2.4	51.9	64.7	-0.0	-0.3	314.6	8.16	108.7
04.23.2021	17:51:56	S	3430.39	E	305.67	10.8	4.7	2.3	53.5	65.2	0.0	-0.2	317.4	8.16	108.2
04.23.2021	17:52:56	S	3430.41	E	305.93	11.5	4.7	2.4	50.6	64.2	-0.2	-0.4	316.5	8.16	108.2
04.23.2021	17:53:56	S	3430.42	E	306.16	13.3	4.7	2.8	51.0	65.4	0.0	-0.2	314.2	8.18	108.3
04.23.2021	17:54:56	S	3430.44	E	306.4	14.4	4.7	3.0	53.7	65.1	-0.1	-0.4	319.6	8.12	108.2
04.23.2021	17:55:56	S	3430.45	E	306.66	17.9	4.7	3.8	51.1	65.0	-0.1	-0.3	321.2	8.14	108.2
04.23.2021	17:56:56	S	3430.47	E	306.88	16.1	4.7	3.4	53.0	66.1	-0.1	-0.3	322.7	8.13	108.2
04.23.2021	17:57:56	S	3430.48	E	307.11	16.1	4.7	3.4	54.6	65.4	-0.1	-0.3	322.6	8.16	108.2
04.23.2021	17:58:55	S	3430.5	E	307.35	18.2	4.7	3.8	48.3	64.8	-0.1	-0.3	321.7	8.16	108.7
04.23.2021	17:59:55	S	3430.51	E	307.57	14.0	4.6	3.0	49.9	65.0	-0.0	-0.2	322.7	8.16	108.7
04.23.2021	18:00:55	S	3430.51	E	307.81	11.4	4.7	2.4	51.1	64.9	-0.1	-0.3	320.1	8.13	108.7
04.23.2021	18:01:55	S	3430.51	E	308.08	11.3	4.7	2.4	52.7	64.9	-0.1	-0.3	323.0	8.13	108.7
04.23.2021	18:02:55	S	3430.52	E	308.27	11.8	4.7	2.5	50.5	64.0	0.0	-0.2	319.9	8.13	108.7
04.23.2021	18:03:55	S	3430.52	E	308.53	11.3	4.7	2.4	49.5	64.8	-0.1	-0.3	321.7	8.13	108.7
04.23.2021	18:04:55	S	3430.52	E	308.78	11.9	4.6	2.6	50.9	66.0	-0.0	-0.3	316.6	8.16	108.7
04.23.2021	18:05:55	S	3430.52	E	309.02	9.0	4.7	1.9	51.8	58.8	-0.0	-0.2	319.4	8.13	108.7
04.23.2021	18:06:55	S	3430.51	E	309.21	11.4	4.7	2.4	51.4	57.3	-0.1	-0.3	312.6	8.17	108.7
04.23.2021	18:07:55	S	3430.5	E	309.45	12.7	4.7	2.7	53.7	56.9	-0.0	-0.2	315.2	8.16	108.5
04.23.2021	18:08:54	S	3430.5	E	309.7	13.0	4.7	2.7	49.8	56.3	-0.1	-0.3	316.9	8.13	108.7
04.23.2021	18:09:54	S	3430.5	E	309.94	15.2	4.6	3.2	51.2	56.8	0.0	-0.2	316.6	8.13	108.7
04.23.2021	18:10:54	S	3430.49	E	310.2	15.0	4.7	3.2	50.2	55.9	-0.1	-0.3	322.0	8.13	108.7
04.23.2021	18:11:54	S	3430.48	E	310.44	17.0	4.7	3.6	51.9	56.5	-0.1	-0.3	322.5	8.16	108.5
04.23.2021	18:12:54	S	3430.48	E	310.65	16.3	4.7	3.5	52.8	57.3	-0.1	-0.3	323.1	8.13	108.7
04.23.2021	18:13:54	S	3430.47	E	310.9	16.7	4.7	3.5	52.6	57.2	-0.1	-0.3	322.0	8.18	108.7
04.23.2021	18:14:54	S	3430.46	E	311.12	17.3	4.7	3.7	54.6	57.2	-0.1	-0.3	321.3	8.13	108.7
04.23.2021	18:15:54	S	3430.46	E	311.38	14.1	4.7	2.9	51.0	57.1	0.0	-0.3	323.7	8.16	108.7
04.23.2021	18:16:54	S	3430.45	E	311.62	12.8	4.7	2.7	50.3	60.5	-0.1	-0.3	323.5	8.18	108.7
04.23.2021	18:17:54	S	3430.45	E	311.82	12.6	4.7	2.6	52.2	61.0	-0.0	-0.3	322.3	8.18	108.7
04.23.2021	18:18:54	S	3430.44	E	312.07	10.0	4.7	2.1	52.9	61.0	-0.0	-0.3	321.2	8.13	108.7
04.23.2021	18:19:54	S	3430.43	E	312.31	9.6	4.7	2.0	51.6	60.7	-0.0	-0.3	318.3	8.16	108.5
04.23.2021	18:20:54	S	3430.43	E	312.53	12.0	4.7	2.5	52.0	60.9	-0.0	-0.3	319.3	8.16	108.7
04.23.2021	18:21:54	S	3430.42	E	312.76	11.2	4.7	2.3	53.1	61.1	-0.1	-0.3	319.0	8.16	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	18:22:54	S	3430.41	E	313.01	16.0	4.7	3.4	53.6	61.4	0.0	-0.2	316.1	8.16	108.7
04.23.2021	18:23:54	S	3430.4	E	313.26	15.1	4.7	3.2	50.3	60.0	0.0	-0.3	316.2	8.13	108.7
04.23.2021	18:24:54	S	3430.4	E	313.52	16.5	4.7	3.5	53.4	60.3	-0.1	-0.3	315.2	8.13	108.7
04.23.2021	18:25:54	S	3430.4	E	313.76	18.0	4.7	3.8	49.7	60.3	0.0	-0.2	319.9	8.18	108.7
04.23.2021	18:26:54	S	3430.39	E	313.99	13.2	4.7	2.8	50.9	59.8	-0.1	-0.3	319.0	8.13	108.7
04.23.2021	18:27:54	S	3430.39	E	314.2	19.6	4.7	4.1	47.8	61.0	-0.0	-0.3	321.5	8.14	107.9
04.23.2021	18:28:52	S	3430.38	E	314.43	16.8	4.7	3.5	50.8	61.0	0.0	-0.2	322.0	8.18	108.0
04.23.2021	18:29:52	S	3430.37	E	314.7	16.4	4.7	3.5	47.5	61.6	-0.0	-0.3	323.7	8.17	107.9
04.23.2021	18:30:52	S	3430.36	E	314.94	13.8	4.7	2.9	48.9	64.0	-0.0	-0.3	321.2	8.13	108.7
04.23.2021	18:31:52	S	3430.35	E	315.18	10.5	4.7	2.2	51.3	63.0	0.0	-0.2	321.0	8.13	108.7
04.23.2021	18:32:52	S	3430.34	E	315.42	8.0	4.7	1.6	54.2	62.0	-0.0	-0.3	322.1	8.16	108.7
04.23.2021	18:33:52	S	3430.34	E	315.64	11.2	4.8	2.3	50.8	61.9	-0.0	-0.3	321.3	8.13	108.7
04.23.2021	18:34:52	S	3430.34	E	315.89	12.7	4.7	2.6	53.4	63.0	0.0	-0.2	319.5	8.16	108.7
04.23.2021	18:35:52	S	3430.35	E	316.13	10.4	4.7	2.2	52.0	63.3	-0.0	-0.2	320.0	8.13	108.7
04.23.2021	18:36:52	S	3430.35	E	316.33	10.7	4.7	2.2	52.3	63.0	-0.0	-0.2	316.6	8.17	108.7
04.23.2021	18:37:52	S	3430.36	E	316.6	12.0	4.7	2.5	52.1	63.6	0.0	-0.3	317.2	8.13	108.7
04.23.2021	18:38:54	S	3430.35	E	316.82	14.8	4.7	3.1	51.3	70.0	0.1	-0.2	317.1	8.13	108.7
04.23.2021	18:39:54	S	3430.35	E	317.04	15.2	4.7	3.2	52.6	69.0	-0.1	-0.3	312.9	8.13	108.7
04.23.2021	18:40:54	S	3430.35	E	317.27	17.2	4.7	3.6	54.2	69.0	-0.0	-0.2	318.6	8.16	108.5
04.23.2021	18:41:54	S	3430.35	E	317.49	14.8	4.7	3.1	52.0	69.1	-0.0	-0.2	321.1	8.13	108.7
04.23.2021	18:42:54	S	3430.35	E	317.76	14.0	4.7	2.9	50.5	69.1	-0.0	-0.3	319.8	8.17	108.7
04.23.2021	18:43:54	S	3430.35	E	317.97	13.0	4.7	2.7	47.8	68.3	-0.1	-0.4	321.5	8.13	108.7
04.23.2021	18:44:54	S	3430.35	E	318.21	12.3	4.7	2.6	51.7	69.1	-0.0	-0.2	322.3	8.18	108.7
04.23.2021	18:45:54	S	3430.36	E	318.45	10.1	4.7	2.1	54.2	65.8	-0.1	-0.3	321.1	8.16	108.7
04.23.2021	18:46:54	S	3430.36	E	318.69	11.1	4.7	2.3	52.0	69.1	-0.1	-0.3	321.6	8.13	108.7
04.23.2021	18:47:54	S	3430.36	E	318.92	8.4	4.7	1.8	52.7	68.4	-0.1	-0.3	323.2	8.14	108.5
04.23.2021	18:48:58	S	3430.37	E	319.14	11.9	4.7	2.5	52.3	68.1	0.0	-0.3	322.1	8.18	108.7
04.23.2021	18:49:58	S	3430.38	E	319.42	13.0	4.7	2.7	50.0	65.6	0.1	-0.2	320.7	8.18	108.7
04.23.2021	18:50:58	S	3430.38	E	319.6	14.5	4.7	3.0	52.0	65.1	-0.1	-0.4	319.2	8.18	108.7
04.23.2021	18:51:58	S	3430.38	E	319.88	14.1	4.7	2.9	47.3	65.1	-0.0	-0.2	320.1	8.18	108.7
04.23.2021	18:52:58	S	3430.39	E	320.1	15.2	4.7	3.2	52.1	65.4	-0.0	-0.2	317.3	8.18	108.7
04.23.2021	18:53:58	S	3430.39	E	320.31	16.0	4.7	3.4	53.8	65.2	-0.0	-0.2	318.0	8.14	108.7
04.23.2021	18:54:58	S	3430.4	E	320.56	16.0	4.7	3.4	50.9	58.2	-0.1	-0.4	316.3	8.15	108.5
04.23.2021	18:55:58	S	3430.41	E	320.77	14.2	4.7	3.0	52.4	58.2	-0.1	-0.3	313.5	8.18	108.7
04.23.2021	18:56:58	S	3430.42	E	321.02	13.2	4.7	2.7	50.6	58.6	-0.0	-0.2	312.9	8.18	108.7
04.23.2021	18:57:58	S	3430.44	E	321.25	11.5	4.7	2.4	51.4	57.1	-0.0	-0.3	318.1	8.16	108.7
04.23.2021	18:58:55	S	3430.45	E	321.51	11.5	4.7	2.4	52.4	57.2	0.0	-0.2	317.1	8.16	108.7
04.23.2021	18:59:55	S	3430.46	E	321.7	12.6	4.7	2.6	50.5	57.9	-0.0	-0.3	322.5	8.18	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	19:00:55	S	3430.47	E	321.96	12.2	4.7	2.5	49.6	57.7	-0.1	-0.3	321.4	8.18	108.7
04.23.2021	19:01:55	S	3430.48	E	322.17	13.0	4.7	2.7	54.8	58.0	-0.1	-0.3	322.9	8.16	108.7
04.23.2021	19:02:55	S	3430.49	E	322.4	14.0	4.7	2.9	54.0	58.9	-0.0	-0.3	323.3	8.17	108.5
04.23.2021	19:03:55	S	3430.52	E	322.65	14.1	4.7	2.9	49.1	58.5	-0.0	-0.3	322.5	8.16	108.7
04.23.2021	19:04:55	S	3430.54	E	322.86	16.3	4.7	3.4	52.8	58.7	-0.1	-0.2	322.5	8.16	108.7
04.23.2021	19:05:55	S	3430.57	E	323.14	17.7	4.7	3.7	50.2	59.0	-0.1	-0.3	322.7	8.18	108.7
04.23.2021	19:06:55	S	3430.58	E	323.35	14.9	4.7	3.1	53.7	58.6	-0.1	-0.3	320.3	8.16	108.7
04.23.2021	19:07:55	S	3430.6	E	323.6	18.2	4.7	3.8	52.0	58.9	0.0	-0.3	321.3	8.16	108.7
04.23.2021	19:08:53	S	3430.62	E	323.79	13.5	4.7	2.8	53.0	58.3	-0.1	-0.3	314.4	8.16	108.7
04.23.2021	19:09:53	S	3430.64	E	324.02	13.1	4.7	2.7	51.0	58.7	-0.0	-0.2	318.1	8.14	108.7
04.23.2021	19:10:53	S	3430.66	E	324.26	10.4	4.7	2.2	52.4	58.5	-0.0	-0.2	313.9	8.13	108.7
04.23.2021	19:11:53	S	3430.69	E	324.51	9.3	4.7	2.0	50.3	59.0	-0.1	-0.2	317.2	8.16	108.7
04.23.2021	19:12:53	S	3430.71	E	324.74	12.6	4.7	2.6	52.4	62.1	-0.1	-0.3	317.4	8.16	108.7
04.23.2021	19:13:53	S	3430.73	E	324.97	14.4	4.7	3.0	53.9	60.8	0.0	-0.2	319.1	8.16	108.5
04.23.2021	19:14:53	S	3430.75	E	325.21	16.1	4.8	3.3	53.7	57.7	-0.1	-0.4	320.3	8.16	108.7
04.23.2021	19:15:53	S	3430.77	E	325.39	13.8	4.7	2.9	51.2	57.4	0.0	-0.3	321.6	8.16	108.7
04.23.2021	19:16:53	S	3430.8	E	325.65	16.6	4.7	3.5	50.4	59.1	-0.0	-0.3	322.7	8.18	108.7
04.23.2021	19:17:53	S	3430.82	E	325.87	17.3	4.7	3.7	52.1	58.1	0.0	-0.3	323.4	8.16	108.7
04.23.2021	19:19:00	S	3430.83	E	326.08	15.0	4.7	3.1	53.7	58.7	-0.0	-0.3	321.9	8.16	108.7
04.23.2021	19:20:00	S	3430.85	E	326.31	19.3	4.7	4.1	51.5	57.6	0.0	-0.2	323.2	8.13	108.7
04.23.2021	19:21:00	S	3430.88	E	326.56	15.8	4.7	3.3	53.4	57.7	-0.0	-0.2	322.2	8.16	108.7
04.23.2021	19:22:00	S	3430.9	E	326.79	15.6	4.7	3.3	54.7	56.6	-0.0	-0.3	321.4	8.16	108.7
04.23.2021	19:23:00	S	3430.92	E	327.04	13.8	4.7	2.9	50.7	56.8	-0.1	-0.3	321.3	8.13	108.7
04.23.2021	19:24:00	S	3430.94	E	327.26	9.4	4.7	2.0	54.4	56.7	0.0	-0.2	319.9	8.13	108.7
04.23.2021	19:25:00	S	3430.96	E	327.45	9.5	4.7	2.0	50.9	56.7	-0.0	-0.3	320.1	8.13	108.7
04.23.2021	19:26:00	S	3430.99	E	327.71	10.0	4.7	2.1	50.7	56.4	-0.1	-0.4	316.2	8.13	108.7
04.23.2021	19:27:00	S	3431.01	E	327.91	11.0	4.7	2.3	50.2	56.7	-0.0	-0.3	317.1	8.13	108.7
04.23.2021	19:28:00	S	3431.04	E	328.17	13.1	4.7	2.7	50.4	63.7	0.0	-0.2	316.0	8.18	108.7
04.23.2021	19:28:59	S	3431.06	E	328.43	15.1	4.7	3.2	50.4	63.5	0.0	-0.3	315.9	8.16	108.7
04.23.2021	19:29:59	S	3431.08	E	328.64	16.0	4.7	3.4	53.5	64.3	-0.0	-0.2	317.9	8.16	108.7
04.23.2021	19:30:59	S	3431.1	E	328.84	16.8	4.7	3.6	51.7	63.4	0.0	-0.3	321.1	8.16	108.7
04.23.2021	19:31:59	S	3431.12	E	329.09	16.6	4.7	3.5	51.6	63.6	0.0	-0.3	322.5	8.16	108.7
04.23.2021	19:32:59	S	3431.14	E	329.31	17.5	4.7	3.7	49.6	63.9	-0.0	-0.2	321.2	8.18	108.7
04.23.2021	19:33:59	S	3431.16	E	329.51	11.9	4.7	2.5	49.3	64.8	-0.0	-0.3	322.3	8.12	108.5
04.23.2021	19:34:59	S	3431.19	E	329.76	13.9	4.7	2.9	48.8	64.1	0.0	-0.2	323.0	8.18	108.7
04.23.2021	19:35:59	S	3431.2	E	330	11.0	4.6	2.3	49.6	63.9	-0.0	-0.3	323.6	8.16	108.7
04.23.2021	19:36:59	S	3431.21	E	330.23	10.8	4.7	2.3	54.1	65.5	-0.0	-0.3	321.0	8.16	108.7
04.23.2021	19:37:59	S	3431.22	E	330.45	10.4	4.7	2.2	52.7	63.9	0.0	-0.2	320.3	8.16	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	19:38:57	S	3431.24	E	330.71	10.8	4.7	2.3	53.2	63.8	0.0	-0.2	320.9	8.18	108.7
04.23.2021	19:39:57	S	3431.26	E	330.95	12.5	4.7	2.6	50.7	64.1	-0.1	-0.4	317.5	8.18	108.7
04.23.2021	19:40:57	S	3431.27	E	331.15	17.4	4.7	3.7	51.5	64.0	-0.0	-0.3	318.1	8.14	108.7
04.23.2021	19:41:57	S	3431.28	E	331.38	16.1	4.7	3.4	55.0	64.4	-0.1	-0.3	315.4	8.16	108.7
04.23.2021	19:42:57	S	3431.29	E	331.64	16.8	4.7	3.6	48.4	63.6	-0.1	-0.3	315.0	8.12	108.5
04.23.2021	19:43:57	S	3431.3	E	331.83	15.2	4.7	3.2	55.6	56.3	0.0	-0.2	316.5	8.16	108.7
04.23.2021	19:44:57	S	3431.32	E	332.09	13.6	4.7	2.8	51.9	55.3	-0.0	-0.3	318.1	8.18	108.7
04.23.2021	19:45:57	S	3431.34	E	332.32	12.6	4.6	2.7	54.3	57.6	-0.0	-0.3	318.9	8.18	108.7
04.23.2021	19:46:57	S	3431.35	E	332.55	13.6	4.7	2.8	50.2	55.8	-0.0	-0.3	320.5	8.17	108.5
04.23.2021	19:47:57	S	3431.37	E	332.81	10.0	4.7	2.1	52.9	55.4	-0.1	-0.3	320.9	8.15	108.5
04.23.2021	19:48:53	S	3431.37	E	333.02	8.6	4.7	1.8	51.9	55.7	0.0	-0.2	323.1	8.18	108.7
04.23.2021	19:49:53	S	3431.38	E	333.25	9.8	4.7	2.1	51.4	56.3	-0.1	-0.2	321.9	8.18	108.7
04.23.2021	19:50:53	S	3431.39	E	333.48	11.6	4.7	2.4	51.2	55.9	-0.1	-0.3	323.4	8.14	108.7
04.23.2021	19:51:53	S	3431.41	E	333.75	15.2	4.7	3.2	52.7	57.0	-0.1	-0.4	321.0	8.18	108.7
04.23.2021	19:52:53	S	3431.41	E	333.94	16.0	4.7	3.4	53.0	56.6	-0.0	-0.3	323.9	8.18	108.7
04.23.2021	19:53:53	S	3431.43	E	334.17	18.1	4.7	3.8	54.2	57.4	0.1	-0.2	316.9	8.18	108.7
04.23.2021	19:54:53	S	3431.44	E	334.43	17.1	4.7	3.6	51.9	59.5	-0.1	-0.3	321.8	8.17	108.5
04.23.2021	19:55:53	S	3431.46	E	334.65	15.6	4.7	3.3	51.2	59.6	0.0	-0.2	319.1	8.14	108.7
04.23.2021	19:56:53	S	3431.47	E	334.88	14.0	4.7	2.9	52.9	57.4	-0.1	-0.4	320.1	8.18	108.7
04.23.2021	19:57:53	S	3431.49	E	335.12	13.2	4.7	2.7	49.4	56.0	-0.1	-0.4	315.0	8.12	108.2
04.23.2021	19:59:00	S	3431.5	E	335.35	12.0	4.7	2.5	50.2	56.5	-0.1	-0.3	317.2	8.17	108.0
04.23.2021	20:00:00	S	3431.51	E	335.61	11.9	4.7	2.5	52.6	56.5	-0.0	-0.3	313.1	8.13	107.7
04.23.2021	20:01:00	S	3431.52	E	335.82	10.7	4.7	2.2	52.3	57.2	-0.0	-0.2	318.7	8.18	108.0
04.23.2021	20:02:00	S	3431.53	E	336.03	9.6	4.7	2.0	52.1	55.6	-0.1	-0.3	318.3	8.15	108.4
04.23.2021	20:03:00	S	3431.55	E	336.3	10.9	4.7	2.3	53.2	56.7	-0.1	-0.3	318.8	8.13	107.7
04.23.2021	20:04:00	S	3431.56	E	336.51	13.1	4.7	2.7	52.1	55.9	0.0	-0.2	320.4	8.13	108.2
04.23.2021	20:05:00	S	3431.58	E	336.72	14.4	4.7	3.0	51.0	56.6	-0.1	-0.3	322.7	8.12	108.0
04.23.2021	20:06:00	S	3431.59	E	336.95	16.6	4.7	3.5	52.3	56.4	-0.1	-0.3	322.3	8.15	108.5
04.23.2021	20:07:00	S	3431.6	E	337.21	15.6	4.7	3.3	51.4	56.9	0.0	-0.2	324.3	8.12	108.2
04.23.2021	20:08:00	S	3431.62	E	337.46	16.9	4.7	3.6	50.9	57.0	-0.0	-0.2	320.1	8.14	108.1
04.23.2021	20:08:56	S	3431.63	E	337.66	16.6	4.7	3.5	52.5	56.2	-0.1	-0.3	322.1	8.13	108.1
04.23.2021	20:09:56	S	3431.64	E	337.92	17.7	4.7	3.7	51.9	56.3	-0.1	-0.3	322.1	8.15	108.5
04.23.2021	20:10:56	S	3431.66	E	338.14	13.2	4.7	2.7	52.2	56.2	-0.1	-0.3	321.8	8.14	107.6
04.23.2021	20:11:56	S	3431.67	E	338.37	11.9	4.7	2.5	50.4	57.1	-0.1	-0.3	321.0	8.14	108.1
04.23.2021	20:12:56	S	3431.68	E	338.61	10.4	4.7	2.2	54.4	63.1	0.0	-0.2	317.1	8.15	108.5
04.23.2021	20:13:56	S	3431.7	E	338.85	11.0	4.7	2.3	50.8	62.6	0.0	-0.2	317.3	8.18	108.7
04.23.2021	20:14:56	S	3431.71	E	339.07	11.6	4.7	2.4	52.8	62.6	-0.0	-0.3	317.0	8.17	107.9
04.23.2021	20:15:56	S	3431.72	E	339.3	11.2	4.7	2.3	52.0	62.6	0.0	-0.4	314.9	8.17	107.9

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	20:16:56	S	3431.74	E	339.55	12.7	4.7	2.6	51.7	62.7	-0.1	-0.3	315.2	8.17	107.9
04.23.2021	20:17:56	S	3431.75	E	339.75	16.7	4.7	3.5	52.0	63.1	-0.1	-0.4	317.8	8.17	107.9
04.23.2021	20:18:56	S	3431.76	E	340	15.2	4.7	3.2	54.0	63.0	-0.1	-0.2	320.3	8.17	107.9
04.23.2021	20:19:56	S	3431.77	E	340.24	15.1	4.7	3.2	50.6	62.7	-0.1	-0.3	321.3	8.15	108.1
04.23.2021	20:20:56	S	3431.78	E	340.46	17.7	4.7	3.8	49.2	63.5	-0.0	-0.2	322.7	8.18	108.7
04.23.2021	20:21:56	S	3431.79	E	340.68	16.5	4.7	3.5	51.3	63.5	-0.1	-0.3	321.9	8.17	107.9
04.23.2021	20:22:56	S	3431.81	E	340.93	16.3	4.7	3.5	50.6	63.4	-0.1	-0.3	321.5	8.13	107.9
04.23.2021	20:23:56	S	3431.82	E	341.15	15.4	4.7	3.2	51.8	63.6	0.1	-0.2	324.2	8.18	108.7
04.23.2021	20:24:56	S	3431.82	E	341.4	16.6	4.7	3.5	51.3	64.6	0.0	-0.2	321.4	8.13	108.2
04.23.2021	20:25:56	S	3431.82	E	341.62	12.3	4.7	2.6	51.5	64.5	0.0	-0.2	322.5	8.14	107.6
04.23.2021	20:26:56	S	3431.83	E	341.85	10.0	4.7	2.1	50.0	64.6	0.1	-0.2	320.9	8.13	107.9
04.23.2021	20:27:56	S	3431.84	E	342.11	10.7	4.7	2.2	53.7	64.2	-0.0	-0.3	318.4	8.15	108.2
04.23.2021	20:28:55	S	3431.84	E	342.33	11.2	4.7	2.3	49.0	55.8	-0.0	-0.3	316.3	8.17	108.5
04.23.2021	20:29:55	S	3431.85	E	342.58	10.8	4.7	2.3	53.0	56.0	-0.1	-0.2	315.3	8.13	107.9
04.23.2021	20:30:55	S	3431.86	E	342.8	10.9	4.7	2.3	49.9	55.4	-0.1	-0.3	314.5	8.14	108.7
04.23.2021	20:31:55	S	3431.87	E	343.02	13.5	4.7	2.8	49.7	55.6	-0.1	-0.3	314.3	8.14	108.2
04.23.2021	20:32:55	S	3431.88	E	343.25	15.1	4.7	3.2	53.1	56.9	-0.1	-0.3	315.7	8.15	108.2
04.23.2021	20:33:55	S	3431.89	E	343.49	15.7	4.7	3.3	49.0	55.5	0.0	-0.3	317.6	8.13	107.9
04.23.2021	20:34:55	S	3431.89	E	343.72	17.8	4.7	3.8	52.2	58.3	-0.1	-0.3	319.3	8.16	108.1
04.23.2021	20:35:55	S	3431.9	E	343.94	17.4	4.7	3.7	51.8	58.3	-0.1	-0.3	320.8	8.14	108.7
04.23.2021	20:36:55	S	3431.91	E	344.21	18.4	4.7	3.9	53.9	58.6	-0.1	-0.3	322.0	8.14	108.7
04.23.2021	20:37:55	S	3431.92	E	344.42	15.9	4.7	3.4	52.5	56.0	-0.1	-0.3	321.4	8.14	108.7
04.23.2021	20:38:57	S	3431.93	E	344.65	13.1	4.7	2.7	54.6	56.2	-0.0	-0.2	322.0	8.17	108.5
04.23.2021	20:39:57	S	3431.93	E	344.88	13.6	4.7	2.8	50.8	59.5	-0.1	-0.3	322.0	8.14	108.7
04.23.2021	20:40:57	S	3431.94	E	345.14	12.6	4.7	2.6	51.2	56.4	-0.1	-0.3	322.2	8.13	107.9
04.23.2021	20:41:57	S	3431.94	E	345.36	10.1	4.7	2.1	52.3	57.0	-0.1	-0.3	324.2	8.13	107.9
04.23.2021	20:42:57	S	3431.95	E	345.59	11.6	4.7	2.4	54.5	56.3	-0.0	-0.3	317.3	8.17	107.9
04.23.2021	20:43:57	S	3431.96	E	345.82	11.6	4.7	2.4	54.4	56.9	-0.0	-0.3	320.0	8.13	107.9
04.23.2021	20:44:57	S	3431.96	E	346.06	13.2	4.7	2.7	50.4	56.1	-0.1	-0.3	314.0	8.13	107.7
04.23.2021	20:45:57	S	3431.97	E	346.28	16.3	4.7	3.4	54.5	56.6	-0.1	-0.2	318.7	8.17	107.6
04.23.2021	20:46:57	S	3431.97	E	346.5	16.7	4.7	3.5	51.0	56.1	0.0	-0.3	314.4	8.13	107.9
04.23.2021	20:47:57	S	3431.98	E	346.73	17.2	4.7	3.6	52.0	56.3	-0.0	-0.3	314.0	8.17	108.0
04.23.2021	20:48:52	S	3431.99	E	346.98	16.6	4.7	3.5	52.4	56.5	0.0	-0.2	314.0	8.17	108.5
04.23.2021	20:49:52	S	3431.99	E	347.17	16.7	4.7	3.5	52.8	56.9	-0.0	-0.3	317.8	8.13	108.1
04.23.2021	20:50:52	S	3432.01	E	347.45	15.2	4.7	3.2	51.1	57.4	-0.0	-0.3	322.4	8.14	108.7
04.23.2021	20:51:52	S	3432.01	E	347.68	14.0	4.7	2.9	51.7	56.3	-0.0	-0.3	321.3	8.17	108.5
04.23.2021	20:52:52	S	3432.02	E	347.89	12.2	4.7	2.5	50.1	56.5	-0.1	-0.3	321.8	8.18	108.7
04.23.2021	20:53:52	S	3432.03	E	348.12	11.2	4.7	2.3	47.8	56.5	-0.1	-0.3	322.3	8.18	108.4

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	20:54:52	S	3432.03	E	348.34	11.0	4.7	2.3	52.5	56.3	-0.1	-0.4	323.0	8.13	107.9
04.23.2021	20:55:52	S	3432.05	E	348.58	12.6	4.7	2.6	53.8	56.5	0.0	-0.2	323.8	8.17	107.9
04.23.2021	20:56:52	S	3432.07	E	348.83	13.4	4.7	2.8	47.6	56.3	0.0	-0.2	321.0	8.17	107.9
04.23.2021	20:57:52	S	3432.08	E	349.07	11.2	4.7	2.3	51.7	56.6	-0.1	-0.4	322.0	8.14	108.3
04.23.2021	20:58:56	S	3432.09	E	349.28	13.8	4.7	2.9	54.7	60.1	-0.0	-0.3	322.6	8.17	108.0
04.23.2021	20:59:56	S	3432.1	E	349.52	13.8	4.7	2.9	52.1	59.9	0.0	-0.2	319.7	8.17	108.5
04.23.2021	21:00:56	S	3432.1	E	349.74	15.8	4.7	3.3	56.3	59.9	0.0	-0.3	315.6	8.14	108.7
04.23.2021	21:01:56	S	3432.12	E	349.98	17.4	4.7	3.7	50.1	66.5	0.0	-0.2	316.6	8.13	108.3
04.23.2021	21:02:56	S	3432.13	E	350.21	17.1	4.7	3.6	49.4	66.3	0.0	-0.2	315.6	8.14	108.7
04.23.2021	21:03:56	S	3432.14	E	350.44	16.1	4.7	3.4	51.9	66.1	-0.1	-0.3	316.0	8.15	108.2
04.23.2021	21:04:56	S	3432.15	E	350.68	11.5	4.7	2.4	51.2	66.5	-0.1	-0.3	315.9	8.14	108.7
04.23.2021	21:05:56	S	3432.16	E	350.89	11.6	4.7	2.4	55.7	67.0	-0.1	-0.3	320.6	8.18	108.4
04.23.2021	21:06:56	S	3432.17	E	351.12	13.4	4.7	2.8	52.4	66.0	0.0	-0.3	322.2	8.18	108.4
04.23.2021	21:07:56	S	3432.19	E	351.37	12.6	4.7	2.6	52.9	66.5	-0.0	-0.2	321.6	8.17	108.5
04.23.2021	21:08:56	S	3432.2	E	351.6	9.0	4.7	1.9	53.0	67.2	0.0	-0.2	322.2	8.18	108.4
04.23.2021	21:09:56	S	3432.21	E	351.84	10.3	4.7	2.1	49.7	66.5	-0.1	-0.3	323.2	8.17	108.5
04.23.2021	21:10:56	S	3432.22	E	352.05	13.4	4.7	2.8	50.3	66.5	-0.1	-0.3	321.8	8.12	108.2
04.23.2021	21:11:56	S	3432.23	E	352.29	12.9	4.7	2.7	50.9	66.7	-0.0	-0.2	322.4	8.17	108.3
04.23.2021	21:12:56	S	3432.24	E	352.54	15.1	4.7	3.1	52.2	66.4	-0.1	-0.3	322.1	8.12	108.2
04.23.2021	21:13:56	S	3432.25	E	352.76	15.4	4.7	3.2	53.8	66.7	0.0	-0.2	320.7	8.15	108.1
04.23.2021	21:14:56	S	3432.27	E	352.98	16.5	4.7	3.5	51.0	66.7	-0.1	-0.2	322.5	8.16	108.1
04.23.2021	21:15:56	S	3432.28	E	353.21	17.0	4.7	3.6	54.4	67.6	-0.0	-0.3	319.0	8.13	107.7
04.23.2021	21:16:56	S	3432.29	E	353.45	17.7	4.7	3.7	51.6	66.0	-0.1	-0.3	318.0	8.18	108.3
04.23.2021	21:17:56	S	3432.3	E	353.68	14.6	4.7	3.0	55.2	59.7	-0.0	-0.2	316.7	8.12	108.2
04.23.2021	21:18:59	S	3432.32	E	353.91	14.7	4.7	3.1	54.5	60.1	-0.0	-0.3	313.9	8.16	108.0
04.23.2021	21:19:59	S	3432.33	E	354.13	11.3	4.7	2.4	50.0	59.6	0.0	-0.3	313.2	8.15	108.0
04.23.2021	21:20:59	S	3432.34	E	354.38	12.2	4.7	2.5	52.0	59.1	0.0	-0.3	317.5	8.14	108.7
04.23.2021	21:21:59	S	3432.35	E	354.59	10.6	4.7	2.2	48.2	59.1	-0.0	-0.2	317.4	8.18	108.7
04.23.2021	21:22:59	S	3432.36	E	354.84	8.8	4.7	1.9	53.2	58.9	-0.0	-0.2	322.8	8.18	108.7
04.23.2021	21:23:59	S	3432.37	E	355.05	10.6	4.7	2.2	49.4	59.0	0.0	-0.2	320.9	8.16	108.7
04.23.2021	21:24:59	S	3432.37	E	355.28	13.2	4.7	2.7	54.2	59.2	-0.1	-0.3	321.8	8.18	108.7
04.23.2021	21:25:59	S	3432.38	E	355.49	15.0	4.7	3.1	54.8	56.2	-0.1	-0.3	321.1	8.16	108.7
04.23.2021	21:26:59	S	3432.39	E	355.73	12.8	4.7	2.7	51.1	56.0	-0.1	-0.3	323.2	8.16	108.7
04.23.2021	21:27:59	S	3432.41	E	355.93	17.5	4.7	3.7	48.2	56.0	0.0	-0.2	322.5	8.16	108.7
04.23.2021	21:28:58	S	3432.42	E	356.17	18.8	4.7	4.0	50.1	56.3	-0.0	-0.3	322.9	8.16	108.7
04.23.2021	21:29:58	S	3432.43	E	356.37	18.8	4.7	4.0	48.4	56.1	-0.0	-0.2	317.9	8.13	108.7
04.23.2021	21:30:58	S	3432.45	E	356.63	14.8	4.7	3.1	50.3	56.6	-0.1	-0.3	322.8	8.16	108.7
04.23.2021	21:31:58	S	3432.46	E	356.85	13.4	4.7	2.8	52.3	56.2	-0.1	-0.3	318.7	8.16	108.7

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	21:32:58	S	3432.47	E	357.09	10.2	4.8	2.1	52.8	56.5	-0.1	-0.3	318.5	8.16	108.7	
04.23.2021	21:33:58	S	3432.49	E	357.29	11.0	4.7	2.3	50.6	56.2	-0.0	-0.3	314.3	8.12	108.5	
04.23.2021	21:34:58	S	3432.5	E	357.54	9.5	4.7	2.0	52.8	56.2	-0.0	-0.2	319.2	8.16	108.7	
04.23.2021	21:35:58	S	3432.51	E	357.73	11.2	4.7	2.3	52.5	59.5	-0.1	-0.3	313.9	8.15	107.9	
04.23.2021	21:36:58	S	3432.52	E	357.98	12.0	4.7	2.5	52.1	59.1	0.1	-0.2	316.7	8.17	108.4	
04.23.2021	21:37:58	S	3432.53	E	358.21	12.8	4.7	2.7	52.6	55.9	0.0	-0.3	314.5	8.16	108.2	
04.23.2021	21:38:59	S	3432.54	E	358.41	14.1	4.7	2.9	53.8	56.8	-0.1	-0.3	318.8	8.17	108.4	
04.23.2021	21:39:59	S	3432.56	E	358.67	15.6	4.7	3.3	49.7	56.9	-0.1	-0.3	323.7	8.18	108.7	
04.23.2021	21:40:58	S	3432.57	E	358.91	15.2	4.7	3.2	53.2	57.3	-0.0	-0.3	321.5	8.18	108.7	
04.23.2021	21:41:58	S	3432.58	E	359.13	15.5	4.7	3.3	51.5	55.8	-0.1	-0.3	323.4	8.16	108.2	
04.23.2021	21:42:58	S	3432.6	E	359.33	15.8	4.8	3.3	54.2	56.7	-0.1	-0.3	322.3	8.13	108.1	
04.23.2021	21:43:58	S	3432.61	E	359.56	16.0	4.8	3.3	50.7	56.0	0.0	-0.2	322.0	8.12	108.5	
04.23.2021	21:44:58	S	3432.62	E	359.78	14.1	4.7	2.9	51.4	55.8	-0.1	-0.4	320.9	8.17	108.1	
04.23.2021	21:45:58	S	3432.62	E	400.02	10.0	4.8	2.0	53.4	56.3	-0.1	-0.4	322.2	8.14	108.7	
04.23.2021	21:46:58	S	3432.63	E	400.24	11.1	4.8	2.2	50.3	55.9	-0.1	-0.3	319.0	8.15	108.5	
04.23.2021	21:47:58	S	3432.63	E	400.47	11.2	4.7	2.3	52.7	63.3	0.1	-0.2	319.1	8.12	108.5	
04.23.2021	21:48:53	S	3432.64	E	400.7	12.4	4.7	2.6	49.7	63.2	-0.1	-0.4	319.4	8.17	108.4	
04.23.2021	21:49:53	S	3432.64	E	400.93	12.0	4.7	2.5	53.4	63.1	-0.1	-0.3	318.9	8.14	108.2	
04.23.2021	21:50:53	S	3432.65	E	401.15	16.5	4.8	3.4	53.1	62.9	-0.0	-0.3	317.5	8.16	108.7	
04.23.2021	21:51:53	S	3432.66	E	401.38	14.8	4.7	3.1	50.6	62.5	-0.1	-0.3	314.1	8.14	108.2	
04.23.2021	21:52:53	S	3432.66	E	401.59	16.0	4.7	3.4	52.5	62.8	-0.0	-0.3	315.7	8.13	108.7	
04.23.2021	21:53:53	S	3432.67	E	401.81	14.0	4.7	2.9	53.8	62.8	0.0	-0.2	316.3	8.13	107.6	
04.23.2021	21:54:53	S	3432.67	E	402.05	13.6	4.8	2.8	52.9	62.4	0.0	-0.3	320.2	8.17	108.0	
04.23.2021	21:55:53	S	3432.68	E	402.28	12.3	4.7	2.6	55.1	63.2	-0.0	-0.3	322.6	8.17	107.9	
04.23.2021	21:56:53	S	3432.69	E	402.49	16.9	4.7	3.6	51.0	66.7	0.0	-0.2	321.9	8.15	107.9	
04.23.2021	21:57:53	S	3432.7	E	402.71	13.4	4.7	2.8	53.1	66.7	-0.1	-0.4	322.5	8.17	107.9	
04.23.2021	21:58:51	S	3432.7	E	402.93	15.2	4.7	3.2	55.4	64.0	-0.1	-0.3	320.6	8.13	107.9	
04.23.2021	21:59:51	S	3432.71	E	403.17	10.9	4.8	2.2	53.4	63.8	-0.1	-0.3	322.6	8.15	107.9	
04.23.2021	22:00:51	S	3432.71	E	403.38	9.8	4.8	2.0	53.4	64.1	-0.1	-0.4	320.4	8.14	107.6	
04.23.2021	22:01:51	S	3432.72	E	403.62	11.1	4.7	2.3	51.1	63.9	-0.1	-0.3	321.1	8.17	107.9	
04.23.2021	22:02:51	S	3432.72	E	403.83	11.7	4.7	2.4	51.4	64.1	-0.1	-0.3	320.1	8.15	107.9	
04.23.2021	22:03:51	S	3432.72	E	404.04	11.0	4.7	2.3	53.4	58.6	-0.0	-0.2	318.5	8.15	107.9	
04.23.2021	22:04:51	S	3432.71	E	404.28	11.0	4.7	2.3	50.2	56.9	-0.0	-0.3	316.3	8.14	107.9	
04.23.2021	22:05:51	S	3432.71	E	404.52	13.2	4.7	2.7	49.2	56.8	-0.0	-0.2	315.0	8.14	107.6	
04.23.2021	22:06:51	S	3432.7	E	404.72	14.8	4.7	3.1	52.8	57.2	-0.1	-0.3	315.2	8.17	107.9	
04.23.2021	22:07:51	S	3432.7	E	404.95	15.4	4.7	3.3	52.2	55.2	-0.1	-0.3	316.8	8.15	107.9	
04.23.2021	22:08:54	S	3432.69	E	405.2	17.0	4.7	3.6	51.3	55.3	0.0	-0.2	318.0	8.17	107.9	
04.23.2021	22:09:54	S	3432.69	E	405.4	16.0	4.7	3.4	53.6	57.9	-0.1	-0.3	319.3	8.13	107.9	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	22:10:54	S	3432.69	E	405.63	11.9	4.7	2.5	53.0	57.7	0.0	-0.2	319.1	8.13	107.9
04.23.2021	22:11:54	S	3432.69	E	405.87	13.7	4.7	2.8	52.2	56.0	-0.0	-0.3	321.3	8.13	107.9
04.23.2021	22:12:54	S	3432.69	E	406.09	13.8	4.7	2.9	55.1	55.9	0.1	-0.2	322.3	8.15	107.9
04.23.2021	22:13:54	S	3432.69	E	406.31	13.0	4.7	2.7	52.2	55.6	-0.0	-0.3	322.0	8.15	107.9
04.23.2021	22:14:54	S	3432.68	E	406.53	10.8	4.7	2.3	53.6	55.6	-0.1	-0.3	321.5	8.17	107.6
04.23.2021	22:15:54	S	3432.67	E	406.8	10.0	4.7	2.1	54.3	55.9	0.0	-0.2	321.5	8.18	107.6
04.23.2021	22:16:54	S	3432.67	E	407	11.7	4.7	2.4	54.2	56.0	-0.1	-0.4	321.8	8.13	107.9
04.23.2021	22:17:54	S	3432.67	E	407.25	10.7	4.8	2.2	50.3	55.9	-0.0	-0.3	321.3	8.13	107.9
04.23.2021	22:18:52	S	3432.66	E	407.48	14.2	4.7	3.0	53.2	56.0	-0.0	-0.3	319.1	8.16	107.6
04.23.2021	22:19:52	S	3432.67	E	407.69	14.4	4.7	3.0	53.7	55.8	-0.0	-0.3	319.7	8.13	107.9
04.23.2021	22:20:52	S	3432.67	E	407.89	16.4	4.7	3.4	52.0	56.6	0.0	-0.2	314.9	8.13	107.9
04.23.2021	22:21:52	S	3432.67	E	408.15	16.0	4.7	3.4	52.1	55.9	-0.1	-0.3	316.5	8.12	108.2
04.23.2021	22:22:52	S	3432.66	E	408.35	13.8	4.7	2.9	53.4	55.3	-0.1	-0.4	312.7	8.13	107.9
04.23.2021	22:23:52	S	3432.66	E	408.6	14.2	4.7	2.9	51.6	55.8	-0.0	-0.3	317.3	8.17	107.9
04.23.2021	22:24:52	S	3432.66	E	408.83	11.6	4.8	2.3	57.9	55.4	-0.1	-0.3	312.2	8.14	107.6
04.23.2021	22:25:52	S	3432.66	E	409.04	10.0	4.8	2.0	57.7	55.7	-0.0	-0.3	319.3	8.13	107.9
04.23.2021	22:26:52	S	3432.67	E	409.26	10.2	4.7	2.1	52.1	55.1	-0.0	-0.2	318.9	8.17	107.9
04.23.2021	22:27:52	S	3432.68	E	409.51	8.9	4.7	1.8	53.5	56.1	-0.0	-0.2	321.6	8.17	107.9
04.23.2021	22:28:55	S	3432.69	E	409.72	13.1	4.7	2.7	53.3	57.2	-0.0	-0.3	321.3	8.17	107.9
04.23.2021	22:29:55	S	3432.7	E	409.96	13.5	4.7	2.8	53.9	57.0	-0.1	-0.3	321.6	8.17	107.9
04.23.2021	22:30:55	S	3432.7	E	410.18	15.0	4.8	3.1	54.4	57.6	0.0	-0.2	322.9	8.16	107.6
04.23.2021	22:31:55	S	3432.71	E	410.4	14.8	4.7	3.1	49.0	56.8	-0.1	-0.3	322.4	8.17	107.9
04.23.2021	22:32:55	S	3432.72	E	410.64	15.8	4.7	3.3	50.4	55.9	-0.0	-0.3	321.0	8.17	107.9
04.23.2021	22:33:55	S	3432.72	E	410.88	15.3	4.7	3.2	54.4	56.7	-0.0	-0.2	320.7	8.17	107.9
04.23.2021	22:34:55	S	3432.72	E	411.1	15.0	4.7	3.1	51.5	56.0	-0.0	-0.3	320.5	8.15	108.5
04.23.2021	22:35:55	S	3432.73	E	411.34	13.6	4.8	2.8	48.3	55.9	-0.0	-0.3	317.1	8.14	108.7
04.23.2021	22:36:55	S	3432.75	E	411.56	12.9	4.7	2.7	52.9	62.6	0.0	-0.3	317.8	8.18	108.7
04.23.2021	22:37:55	S	3432.76	E	411.76	12.0	4.7	2.5	48.0	62.2	0.0	-0.2	317.1	8.17	107.9
04.23.2021	22:38:59	S	3432.77	E	412.02	11.0	4.7	2.3	51.9	62.2	-0.0	-0.3	316.6	8.18	108.7
04.23.2021	22:39:59	S	3432.78	E	412.24	10.9	4.7	2.3	51.7	63.7	-0.1	-0.3	316.0	8.15	108.5
04.23.2021	22:40:59	S	3432.79	E	412.48	13.2	4.7	2.7	53.1	62.8	-0.2	-0.4	318.3	8.15	107.9
04.23.2021	22:41:59	S	3432.79	E	412.71	11.8	4.7	2.5	53.5	62.5	-0.1	-0.3	320.8	8.18	108.7
04.23.2021	22:42:59	S	3432.8	E	412.91	10.8	4.7	2.3	49.4	62.2	-0.1	-0.4	320.9	8.15	108.4
04.23.2021	22:43:59	S	3432.81	E	413.14	14.2	4.7	3.0	52.7	63.0	-0.0	-0.3	323.6	8.14	108.7
04.23.2021	22:44:59	S	3432.82	E	413.36	15.4	4.7	3.2	50.8	64.3	-0.1	-0.3	322.0	8.13	107.9
04.23.2021	22:45:59	S	3432.83	E	413.59	16.6	4.7	3.5	52.1	63.3	-0.1	-0.3	322.5	8.14	108.7
04.23.2021	22:46:59	S	3432.84	E	413.84	16.7	4.7	3.5	54.6	63.1	0.1	-0.2	321.3	8.14	108.7
04.23.2021	22:47:59	S	3432.85	E	414.06	16.1	4.7	3.4	54.1	64.2	0.0	-0.2	319.9	8.18	108.7

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	22:48:59	S	3432.86	E	414.28	14.8	4.7	3.1	50.8	64.3	0.0	-0.2	321.1	8.14	108.7
04.23.2021	22:49:59	S	3432.87	E	414.53	15.2	4.7	3.2	52.7	63.0	0.0	-0.2	319.5	8.13	107.9
04.23.2021	22:50:59	S	3432.88	E	414.76	11.7	4.7	2.4	54.1	62.9	0.0	-0.2	318.2	8.16	107.9
04.23.2021	22:51:59	S	3432.88	E	414.96	10.2	4.7	2.1	55.3	63.4	-0.0	-0.2	319.3	8.16	107.9
04.23.2021	22:52:59	S	3432.89	E	415.21	11.2	4.7	2.3	50.9	56.0	-0.1	-0.3	314.6	8.16	107.9
04.23.2021	22:53:59	S	3432.89	E	415.44	10.8	4.7	2.3	55.0	56.0	0.0	-0.3	315.1	8.16	107.9
04.23.2021	22:54:59	S	3432.9	E	415.68	9.6	4.7	2.0	52.3	55.7	0.0	-0.2	314.6	8.16	107.9
04.23.2021	22:55:59	S	3432.91	E	415.87	12.3	4.7	2.6	53.2	55.2	-0.1	-0.3	314.0	8.16	107.9
04.23.2021	22:56:59	S	3432.91	E	416.09	10.6	4.7	2.2	51.7	55.1	-0.1	-0.3	318.0	8.16	107.9
04.23.2021	22:57:59	S	3432.92	E	416.33	14.4	4.7	3.0	48.2	54.7	-0.1	-0.3	320.4	8.16	107.9
04.23.2021	22:59:01	S	3432.93	E	416.54	14.0	4.7	2.9	51.6	55.3	0.0	-0.2	322.6	8.16	107.9
04.23.2021	23:00:01	S	3432.94	E	416.8	16.6	4.7	3.5	52.2	55.7	-0.1	-0.4	322.8	8.17	107.9
04.23.2021	23:01:01	S	3432.94	E	417.01	17.0	4.7	3.6	53.8	55.8	-0.1	-0.4	322.4	8.16	107.9
04.23.2021	23:02:01	S	3432.96	E	417.27	18.0	4.7	3.8	52.3	56.0	-0.0	-0.2	321.8	8.16	107.9
04.23.2021	23:03:01	S	3432.98	E	417.5	17.8	4.7	3.8	54.1	56.6	-0.0	-0.2	322.2	8.13	107.6
04.23.2021	23:04:01	S	3432.99	E	417.71	15.6	4.6	3.3	51.9	55.9	0.0	-0.2	321.2	8.16	107.9
04.23.2021	23:05:01	S	3433.01	E	417.92	16.1	4.7	3.4	52.9	56.1	-0.1	-0.3	321.5	8.16	107.9
04.23.2021	23:06:01	S	3433.02	E	418.18	12.3	4.7	2.6	53.5	55.8	-0.1	-0.3	321.6	8.13	107.9
04.23.2021	23:07:01	S	3433.03	E	418.37	11.2	4.7	2.3	52.0	56.6	-0.0	-0.2	321.7	8.16	107.9
04.23.2021	23:08:01	S	3433.04	E	418.65	9.1	4.7	1.9	52.3	55.5	0.0	-0.3	317.3	8.16	107.9
04.23.2021	23:08:55	S	3433.05	E	418.84	10.1	4.7	2.1	52.3	56.4	-0.0	-0.2	319.5	8.16	107.9
04.23.2021	23:09:55	S	3433.06	E	419.06	10.6	4.7	2.2	52.2	56.0	0.0	-0.2	313.3	8.13	107.9
04.23.2021	23:10:55	S	3433.08	E	419.32	11.4	4.7	2.4	52.9	56.8	-0.1	-0.3	316.6	8.16	107.9
04.23.2021	23:11:55	S	3433.09	E	419.53	10.3	4.7	2.2	51.3	56.7	-0.1	-0.3	319.2	8.13	107.9
04.23.2021	23:12:55	S	3433.1	E	419.76	13.4	4.7	2.8	52.3	56.6	-0.1	-0.3	317.2	8.13	108.3
04.23.2021	23:13:55	S	3433.11	E	420	15.5	4.7	3.2	53.0	56.4	-0.1	-0.4	319.5	8.13	108.3
04.23.2021	23:14:55	S	3433.12	E	420.22	16.4	4.7	3.4	54.5	55.6	-0.1	-0.3	319.9	8.13	107.9
04.23.2021	23:15:55	S	3433.13	E	420.47	18.3	4.7	3.9	50.3	56.2	-0.1	-0.3	323.1	8.18	107.7
04.23.2021	23:16:55	S	3433.14	E	420.68	15.3	4.7	3.2	54.3	57.1	-0.0	-0.3	322.8	8.16	107.9
04.23.2021	23:17:55	S	3433.15	E	420.92	14.7	4.7	3.1	52.4	56.9	0.0	-0.2	322.0	8.18	107.9
04.23.2021	23:19:00	S	3433.16	E	421.14	13.0	4.7	2.7	51.7	56.8	-0.0	-0.3	320.8	8.18	107.7
04.23.2021	23:20:00	S	3433.18	E	421.38	12.0	4.7	2.5	52.4	56.6	-0.1	-0.3	322.2	8.13	108.0
04.23.2021	23:21:00	S	3433.19	E	421.62	11.6	4.7	2.4	52.6	56.1	-0.1	-0.4	321.8	8.17	107.6
04.23.2021	23:22:00	S	3433.2	E	421.82	10.9	4.7	2.3	51.8	56.1	-0.1	-0.3	321.2	8.14	107.9
04.23.2021	23:23:00	S	3433.22	E	422.07	10.1	4.7	2.1	51.5	56.7	-0.1	-0.3	320.4	8.13	107.9
04.23.2021	23:24:00	S	3433.23	E	422.28	12.3	4.7	2.6	51.4	56.3	-0.1	-0.3	318.1	8.14	107.9
04.23.2021	23:25:00	S	3433.24	E	422.54	13.6	4.7	2.8	51.9	55.9	0.0	-0.2	318.7	8.14	107.9
04.23.2021	23:26:00	S	3433.26	E	422.76	14.4	4.7	3.0	50.6	63.2	0.0	-0.2	316.7	8.17	107.6

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0					Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	GMS_SO2	GMS_CO2	GMS_RATIO	MAIN ENGINE LOAD	NO.1AUX ENGINE LOAD	NO.2AUX ENGINE LOAD	NO.3AUX ENGINE LOAD	FLOW METER	IN_WMS_pH	IN_WMS_TEMP.
04.23.2021	23:27:00	S	3433.27	E	423.02	16.7	4.7	3.5	54.0	62.9	-0.0	-0.3	316.5	8.13	107.6
04.23.2021	23:28:00	S	3433.28	E	423.22	16.7	4.7	3.5	51.2	62.1	-0.1	-0.4	314.8	8.17	107.9
04.23.2021	23:28:53	S	3433.29	E	423.46	16.0	4.7	3.4	53.6	62.2	-0.1	-0.3	320.7	8.16	107.9
04.23.2021	23:29:53	S	3433.3	E	423.69	14.2	4.7	2.9	53.6	62.7	-0.0	-0.3	321.3	8.14	107.9
04.23.2021	23:30:53	S	3433.32	E	423.92	17.2	4.7	3.6	50.4	62.2	-0.0	-0.3	322.4	8.18	107.9
04.23.2021	23:31:53	S	3433.33	E	424.16	12.2	4.7	2.5	54.0	62.7	-0.0	-0.3	322.6	8.16	107.9
04.23.2021	23:32:53	S	3433.34	E	424.42	12.3	4.7	2.6	51.0	63.3	-0.1	-0.3	321.8	8.18	107.9
04.23.2021	23:33:53	S	3433.35	E	424.64	12.6	4.7	2.6	52.5	64.1	-0.0	-0.3	322.7	8.18	107.9
04.23.2021	23:34:53	S	3433.36	E	424.84	9.8	4.7	2.0	53.2	63.3	0.0	-0.2	322.8	8.16	107.9
04.23.2021	23:35:53	S	3433.37	E	425.12	10.0	4.7	2.1	52.0	63.4	0.0	-0.2	322.4	8.17	107.6
04.23.2021	23:36:53	S	3433.39	E	425.34	13.1	4.7	2.7	51.2	63.6	0.1	-0.1	322.5	8.16	107.9
04.23.2021	23:37:53	S	3433.4	E	425.58	10.4	4.7	2.2	51.9	64.0	-0.1	-0.3	320.3	8.14	107.9
04.23.2021	23:38:56	S	3433.41	E	425.82	12.6	4.7	2.6	47.3	64.0	0.0	-0.2	320.4	8.14	107.9
04.23.2021	23:39:56	S	3433.42	E	426.03	14.6	4.7	3.0	53.2	64.8	-0.1	-0.3	318.2	8.16	107.9
04.23.2021	23:40:56	S	3433.43	E	426.25	15.7	4.7	3.3	53.9	64.1	0.0	-0.2	315.5	8.16	107.9
04.23.2021	23:41:56	S	3433.44	E	426.52	13.8	4.7	2.9	52.5	55.8	-0.1	-0.3	314.7	8.16	107.9
04.23.2021	23:42:56	S	3433.45	E	426.75	17.1	4.7	3.6	50.5	55.7	-0.0	-0.3	314.1	8.16	107.9
04.23.2021	23:43:56	S	3433.46	E	426.98	14.2	4.7	3.0	53.8	55.5	-0.1	-0.3	318.1	8.16	107.9
04.23.2021	23:44:56	S	3433.47	E	427.21	15.4	4.7	3.2	49.4	55.4	-0.1	-0.3	317.7	8.16	107.9
04.23.2021	23:45:56	S	3433.48	E	427.47	13.7	4.7	2.8	53.2	54.9	-0.0	-0.3	322.2	8.16	107.9
04.23.2021	23:46:56	S	3433.49	E	427.7	12.7	4.7	2.6	52.8	54.7	-0.0	-0.3	322.0	8.16	107.9
04.23.2021	23:47:56	S	3433.5	E	427.92	11.0	4.7	2.3	52.3	55.7	-0.0	-0.3	321.9	8.12	107.9
04.23.2021	23:48:59	S	3433.52	E	428.19	12.9	4.7	2.7	52.8	56.2	-0.1	-0.3	322.5	8.16	107.9
04.23.2021	23:49:59	S	3433.53	E	428.43	9.0	4.7	1.9	53.2	55.8	-0.1	-0.3	321.6	8.12	107.9
04.23.2021	23:50:59	S	3433.54	E	428.67	10.1	4.8	2.0	53.4	55.8	-0.1	-0.3	321.5	8.16	107.9
04.23.2021	23:51:59	S	3433.56	E	428.9	12.0	4.7	2.5	53.2	55.8	-0.2	-0.3	322.2	8.16	107.9
04.23.2021	23:52:59	S	3433.57	E	429.13	13.1	4.7	2.7	49.0	56.1	-0.1	-0.3	321.9	8.12	107.9
04.23.2021	23:53:59	S	3433.58	E	429.36	13.7	4.7	2.8	54.8	56.0	-0.1	-0.3	321.8	8.16	107.9
04.23.2021	23:54:59	S	3433.59	E	429.59	14.0	4.7	2.9	52.7	58.3	0.1	-0.2	318.3	8.16	107.6
04.23.2021	23:55:59	S	3433.6	E	429.83	13.3	4.7	2.8	49.9	58.6	-0.1	-0.3	322.8	8.18	107.6
04.23.2021	23:56:59	S	3433.61	E	430.08	16.4	4.7	3.5	51.7	56.0	-0.1	-0.3	316.3	8.15	107.9
04.23.2021	23:57:59	S	3433.63	E	430.31	15.7	4.7	3.3	51.7	55.8	-0.1	-0.3	318.4	8.17	107.9
04.23.2021	23:59:00	S	3433.64	E	430.53	12.6	4.7	2.6	51.9	55.6	-0.1	-0.3	316.6	8.13	107.9

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	00:00:57	S	3419.96	W	116.39	2.8	3.77	134	3.19	35.4	4.1	1.1	18.6	3.71	0.78	
04.23.2021	00:01:57	S	3419.97	W	116.16	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.70	0.70	
04.23.2021	00:02:57	S	3419.97	W	115.93	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.79	0.79	
04.23.2021	00:03:57	S	3419.98	W	115.68	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.80	0.74	
04.23.2021	00:04:57	S	3419.99	W	115.44	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.78	0.72	
04.23.2021	00:05:57	S	3419.99	W	115.2	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.78	0.74	
04.23.2021	00:06:57	S	3420	W	115	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.77	0.73	
04.23.2021	00:07:57	S	3420.01	W	114.72	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.72	
04.23.2021	00:08:56	S	3420.02	W	114.49	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.74	0.74	
04.23.2021	00:09:56	S	3420.02	W	114.28	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.71	0.79	
04.23.2021	00:10:56	S	3420.03	W	114	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.76	0.77	
04.23.2021	00:11:56	S	3420.03	W	113.75	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.84	0.80	
04.23.2021	00:12:56	S	3420.04	W	113.54	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.68	0.68	
04.23.2021	00:13:56	S	3420.05	W	113.3	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.78	0.75	
04.23.2021	00:14:56	S	3420.06	W	113.02	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.73	0.76	
04.23.2021	00:15:56	S	3420.07	W	112.81	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.67	0.74	
04.23.2021	00:16:56	S	3420.08	W	112.57	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.72	0.74	
04.23.2021	00:17:56	S	3420.09	W	112.32	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.65	0.75	
04.23.2021	00:18:48	S	3420.09	W	112.09	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.70	0.76	
04.23.2021	00:19:48	S	3420.1	W	111.83	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.78	0.76	
04.23.2021	00:20:48	S	3420.1	W	111.58	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.78	0.81	
04.23.2021	00:21:48	S	3420.11	W	111.35	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.75	0.72	
04.23.2021	00:22:48	S	3420.11	W	111.13	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.75	0.67	
04.23.2021	00:23:48	S	3420.11	W	110.84	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.74	0.80	
04.23.2021	00:24:48	S	3420.12	W	110.63	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.78	0.77	
04.23.2021	00:25:48	S	3420.13	W	110.36	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.80	0.75	
04.23.2021	00:26:48	S	3420.14	W	110.13	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.72	0.72	
04.23.2021	00:27:48	S	3420.15	W	109.89	2.8	3.77	134	3.19	35.4	4.1	1.1	18.5	3.72	0.74	
04.23.2021	00:28:48	S	3420.15	W	109.65	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.65	0.69	
04.23.2021	00:29:48	S	3420.16	W	109.41	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.75	0.78	
04.23.2021	00:30:48	S	3420.17	W	109.16	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.69	0.74	
04.23.2021	00:31:48	S	3420.18	W	108.93	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.67	0.67	
04.23.2021	00:32:48	S	3420.18	W	108.65	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.68	0.77	
04.23.2021	00:33:48	S	3420.19	W	108.43	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.66	0.70	
04.23.2021	00:34:48	S	3420.2	W	108.2	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.68	0.71	
04.23.2021	00:35:48	S	3420.21	W	107.92	2.8	3.77	134	3.19	35.4	4.2	1.2	18.9	3.74	0.78	
04.23.2021	00:36:48	S	3420.22	W	107.7	2.8	3.77	134	3.19	35.4	4.7	1.2	18.9	3.73	0.74	
04.23.2021	00:37:48	S	3420.22	W	107.44	2.8	3.77	134	3.19	35.4	4.1	1.3	18.9	3.73	0.68	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	00:38:52	S	3420.22	W	107.2	2.8	3.77	134	3.19	35.4	4.0	1.3	19.0	3.80	0.73	
04.23.2021	00:39:52	S	3420.23	W	107	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.73	0.68	
04.23.2021	00:40:52	S	3420.24	W	106.73	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.79	0.85	
04.23.2021	00:41:52	S	3420.25	W	106.49	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.76	0.70	
04.23.2021	00:42:52	S	3420.26	W	106.25	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.75	0.71	
04.23.2021	00:43:52	S	3420.27	W	106	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.76	0.80	
04.23.2021	00:44:52	S	3420.27	W	105.74	2.8	3.77	134	3.19	35.4	3.9	1.2	19.0	3.73	0.73	
04.23.2021	00:45:52	S	3420.27	W	105.53	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.75	0.75	
04.23.2021	00:46:52	S	3420.28	W	105.27	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.73	0.74	
04.23.2021	00:47:52	S	3420.28	W	105.04	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.67	0.73	
04.23.2021	00:48:56	S	3420.28	W	104.81	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.76	
04.23.2021	00:49:56	S	3420.28	W	104.58	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.77	0.71	
04.23.2021	00:50:56	S	3420.29	W	104.31	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.77	0.73	
04.23.2021	00:51:56	S	3420.29	W	104.08	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.77	0.76	
04.23.2021	00:52:56	S	3420.3	W	103.83	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.75	0.78	
04.23.2021	00:53:56	S	3420.31	W	103.61	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.79	0.73	
04.23.2021	00:54:56	S	3420.31	W	103.36	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.61	0.74	
04.23.2021	00:55:56	S	3420.31	W	103.13	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.76	0.74	
04.23.2021	00:56:56	S	3420.32	W	102.88	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.77	0.76	
04.23.2021	00:57:56	S	3420.32	W	102.66	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.73	0.74	
04.23.2021	00:58:52	S	3420.33	W	102.39	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.77	0.71	
04.23.2021	00:59:52	S	3420.34	W	102.14	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.78	0.76	
04.23.2021	01:00:52	S	3420.34	W	101.91	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.72	0.71	
04.23.2021	01:01:52	S	3420.34	W	101.7	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.77	0.72	
04.23.2021	01:02:52	S	3420.35	W	101.46	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.75	0.78	
04.23.2021	01:03:52	S	3420.35	W	101.21	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.76	0.70	
04.23.2021	01:04:52	S	3420.36	W	100.93	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.79	0.78	
04.23.2021	01:05:52	S	3420.37	W	100.71	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.74	0.78	
04.23.2021	01:06:52	S	3420.38	W	100.47	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.78	0.77	
04.23.2021	01:07:52	S	3420.39	W	100.24	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.77	0.78	
04.23.2021	01:08:48	S	3420.41	W	59.98	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.73	0.70	
04.23.2021	01:09:48	S	3420.42	W	59.76	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.76	0.77	
04.23.2021	01:10:48	S	3420.42	W	59.49	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.72	0.70	
04.23.2021	01:11:48	S	3420.43	W	59.27	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.81	0.76	
04.23.2021	01:12:48	S	3420.43	W	59	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.80	0.78	
04.23.2021	01:13:48	S	3420.44	W	58.8	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.73	0.79	
04.23.2021	01:14:48	S	3420.45	W	58.55	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.65	
04.23.2021	01:15:48	S	3420.46	W	58.3	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.74	0.75	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	01:16:48	S	3420.47	W	58.03	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.77	0.72
04.23.2021	01:17:48	S	3420.47	W	57.79	2.8	3.77	134	3.19	35.4	4.1	1.1	19.0	3.74	0.73
04.23.2021	01:18:51	S	3420.48	W	57.54	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.62	0.70
04.23.2021	01:19:51	S	3420.49	W	57.34	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.69	0.75
04.23.2021	01:20:51	S	3420.5	W	57.06	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.66	0.77
04.23.2021	01:21:51	S	3420.51	W	56.81	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.80	0.79
04.23.2021	01:22:51	S	3420.53	W	56.58	2.8	3.77	134	3.19	35.4	4.1	1.2	18.8	3.76	0.78
04.23.2021	01:23:51	S	3420.54	W	56.34	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.77	0.75
04.23.2021	01:24:51	S	3420.56	W	56.09	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.76	0.71
04.23.2021	01:25:51	S	3420.58	W	55.84	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.74	0.76
04.23.2021	01:26:51	S	3420.59	W	55.63	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.68	0.68
04.23.2021	01:27:51	S	3420.61	W	55.36	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.81	0.78
04.23.2021	01:28:54	S	3420.62	W	55.13	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.75	0.73
04.23.2021	01:29:54	S	3420.63	W	54.89	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.77	0.71
04.23.2021	01:30:54	S	3420.64	W	54.63	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.76	0.73
04.23.2021	01:31:54	S	3420.66	W	54.37	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.70	0.67
04.23.2021	01:32:54	S	3420.67	W	54.17	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.76	0.80
04.23.2021	01:33:54	S	3420.69	W	53.88	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.74	0.74
04.23.2021	01:34:54	S	3420.7	W	53.65	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.66	0.83
04.23.2021	01:35:54	S	3420.71	W	53.41	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.67	0.72
04.23.2021	01:36:54	S	3420.72	W	53.17	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.65	0.70
04.23.2021	01:37:54	S	3420.74	W	52.93	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.74	0.74
04.23.2021	01:38:48	S	3420.75	W	52.66	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.83	0.82
04.23.2021	01:39:48	S	3420.77	W	52.41	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.76	0.77
04.23.2021	01:40:48	S	3420.79	W	52.15	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.80	0.72
04.23.2021	01:41:48	S	3420.8	W	51.93	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.69	0.73
04.23.2021	01:42:48	S	3420.82	W	51.67	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.74	0.74
04.23.2021	01:43:48	S	3420.83	W	51.41	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.78	0.77
04.23.2021	01:44:48	S	3420.85	W	51.15	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.82	0.71
04.23.2021	01:45:48	S	3420.86	W	50.91	2.8	3.77	134	3.19	35.4	3.9	0.9	18.8	3.71	0.75
04.23.2021	01:46:48	S	3420.87	W	50.75	2.8	3.77	134	3.19	35.4	3.9	0.8	19.0	3.79	0.71
04.23.2021	01:47:48	S	3420.87	W	50.75	2.8	3.77	134	3.19	35.4	3.9	0.8	19.0	3.71	0.73
04.23.2021	01:48:54	S	3420.9	W	50.21	2.8	3.77	134	3.19	35.4	3.9	0.8	18.9	3.64	0.68
04.23.2021	01:49:54	S	3420.92	W	49.95	2.8	3.77	134	3.19	35.4	4.0	0.8	18.9	3.76	0.73
04.23.2021	01:50:54	S	3420.93	W	49.69	2.8	3.77	134	3.19	35.4	4.0	0.8	18.9	3.76	0.75
04.23.2021	01:51:54	S	3420.94	W	49.43	2.8	3.77	134	3.19	35.4	4.0	0.8	18.8	3.73	0.72
04.23.2021	01:52:54	S	3420.96	W	49.22	2.8	3.77	134	3.19	35.4	4.0	0.9	18.8	3.61	0.73
04.23.2021	01:53:54	S	3420.97	W	48.96	2.8	3.77	134	3.19	35.4	4.0	0.9	19.0	3.72	0.80

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	01:54:54	S	3420.99	W	48.71	2.8	3.77	134	3.19	35.4	4.0	0.9	18.9	3.77	0.63	
04.23.2021	01:55:54	S	3421	W	48.45	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.74	0.70	
04.23.2021	01:56:54	S	3421.02	W	48.21	2.8	3.77	134	3.19	35.4	4.1	1.0	18.7	3.73	0.74	
04.23.2021	01:57:54	S	3421.04	W	47.97	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.80	0.80	
04.23.2021	01:58:56	S	3421.05	W	47.72	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.73	0.69	
04.23.2021	01:59:56	S	3421.06	W	47.45	2.8	3.77	134	3.19	35.4	4.1	1.1	18.9	3.74	0.73	
04.23.2021	02:00:56	S	3421.07	W	47.21	2.8	3.77	134	3.19	35.4	4.1	1.1	18.8	3.78	0.74	
04.23.2021	02:01:56	S	3421.09	W	46.98	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.82	0.79	
04.23.2021	02:02:56	S	3421.1	W	46.72	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.75	0.75	
04.23.2021	02:03:56	S	3421.11	W	46.48	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.76	0.75	
04.23.2021	02:04:56	S	3421.13	W	46.21	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.75	0.80	
04.23.2021	02:05:56	S	3421.14	W	45.95	2.8	3.77	134	3.19	35.4	4.1	1.2	18.6	3.67	0.71	
04.23.2021	02:06:56	S	3421.15	W	45.72	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.74	0.79	
04.23.2021	02:07:56	S	3421.16	W	45.47	2.8	3.77	134	3.19	35.4	4.6	1.2	18.7	3.71	0.78	
04.23.2021	02:08:50	S	3421.17	W	45.22	2.8	3.77	134	3.19	35.4	5.0	1.2	18.7	3.74	0.79	
04.23.2021	02:09:50	S	3421.18	W	44.94	2.8	3.77	134	3.19	35.4	4.3	1.2	18.9	3.73	0.68	
04.23.2021	02:10:50	S	3421.19	W	44.7	2.8	3.77	134	3.19	35.4	4.0	1.3	18.9	3.78	0.72	
04.23.2021	02:11:50	S	3421.2	W	44.47	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.69	0.71	
04.23.2021	02:12:50	S	3421.21	W	44.2	2.8	3.77	134	0.00	0.0	0.0	1.2	0.0	3.77	0.77	
04.23.2021	02:13:50	S	3421.23	W	43.95	2.8	3.77	134	3.19	35.4	4.1	1.2	18.8	3.81	0.70	
04.23.2021	02:14:50	S	3421.24	W	43.67	2.8	3.77	134	3.19	35.4	4.1	1.2	18.8	3.74	0.73	
04.23.2021	02:15:50	S	3421.25	W	43.44	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.74	0.72	
04.23.2021	02:16:50	S	3421.26	W	43.17	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.75	0.80	
04.23.2021	02:17:50	S	3421.27	W	42.92	2.8	3.77	134	3.19	35.4	4.5	1.2	18.8	3.68	0.74	
04.23.2021	02:18:53	S	3421.28	W	42.68	2.8	3.77	134	3.19	35.4	4.2	1.3	18.9	3.78	0.73	
04.23.2021	02:19:53	S	3421.29	W	42.41	2.8	3.77	134	3.19	35.4	3.9	1.3	18.8	3.82	0.76	
04.23.2021	02:20:53	S	3421.29	W	42.17	2.8	3.77	134	3.19	35.4	3.9	1.3	18.9	3.66	0.68	
04.23.2021	02:21:53	S	3421.29	W	41.91	2.8	3.77	134	3.19	35.4	3.9	1.2	18.9	3.76	0.75	
04.23.2021	02:22:53	S	3421.3	W	41.64	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.73	0.75	
04.23.2021	02:23:53	S	3421.31	W	41.46	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.70	0.73	
04.23.2021	02:24:53	S	3421.31	W	41.46	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.78	0.76	
04.23.2021	02:25:53	S	3421.32	W	40.87	2.8	3.77	134	3.19	35.4	3.9	1.2	18.9	3.77	0.77	
04.23.2021	02:26:53	S	3421.33	W	40.63	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.78	0.76	
04.23.2021	02:27:53	S	3421.33	W	40.39	2.8	3.77	134	3.19	35.4	3.9	1.1	18.4	3.72	0.75	
04.23.2021	02:28:50	S	3421.34	W	40.13	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.77	0.73	
04.23.2021	02:29:50	S	3421.34	W	39.85	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.77	0.77	
04.23.2021	02:30:50	S	3421.34	W	39.64	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.73	0.74	
04.23.2021	02:31:50	S	3421.35	W	39.37	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.76	0.74	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	02:32:50	S	3421.35	W	39.14	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.73	0.70	
04.23.2021	02:33:50	S	3421.37	W	38.84	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.70	0.74	
04.23.2021	02:34:50	S	3421.37	W	38.61	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.68	0.71	
04.23.2021	02:35:50	S	3421.37	W	38.35	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.73	0.69	
04.23.2021	02:36:50	S	3421.38	W	38.14	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.68	0.70	
04.23.2021	02:37:50	S	3421.38	W	37.88	2.8	3.77	134	3.19	35.4	4.0	1.0	19.1	3.75	0.74	
04.23.2021	02:38:49	S	3421.39	W	37.6	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.68	0.74	
04.23.2021	02:39:49	S	3421.4	W	37.35	2.8	3.77	134	3.19	35.4	4.1	1.0	18.8	3.73	0.74	
04.23.2021	02:40:49	S	3421.4	W	37.13	2.8	3.77	134	3.19	35.4	4.1	1.0	18.6	3.75	0.78	
04.23.2021	02:41:49	S	3421.41	W	36.87	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.73	0.76	
04.23.2021	02:42:49	S	3421.41	W	36.61	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.86	0.76	
04.23.2021	02:43:49	S	3421.42	W	36.35	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.74	0.70	
04.23.2021	02:44:49	S	3421.43	W	36.12	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.79	0.75	
04.23.2021	02:45:49	S	3421.43	W	35.85	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.77	0.73	
04.23.2021	02:46:49	S	3421.43	W	35.63	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.76	0.76	
04.23.2021	02:47:49	S	3421.43	W	35.4	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.72	0.67	
04.23.2021	02:48:49	S	3421.43	W	35.12	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.73	0.74	
04.23.2021	02:49:49	S	3421.44	W	34.91	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.72	0.77	
04.23.2021	02:50:49	S	3421.44	W	34.65	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.73	0.75	
04.23.2021	02:51:49	S	3421.45	W	34.39	2.8	3.77	134	3.19	35.4	4.1	1.1	18.8	3.74	0.73	
04.23.2021	02:52:49	S	3421.46	W	34.15	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.80	0.71	
04.23.2021	02:53:49	S	3421.46	W	33.86	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.76	
04.23.2021	02:54:49	S	3421.46	W	33.63	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.77	0.81	
04.23.2021	02:55:49	S	3421.47	W	33.38	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.62	0.69	
04.23.2021	02:56:49	S	3421.49	W	33.11	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.66	0.77	
04.23.2021	02:57:49	S	3421.5	W	32.87	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.73	0.78	
04.23.2021	02:58:56	S	3421.51	W	32.63	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.78	0.74	
04.23.2021	02:59:56	S	3421.52	W	32.4	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.80	0.77	
04.23.2021	03:00:56	S	3421.52	W	32.14	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.76	0.81	
04.23.2021	03:01:56	S	3421.53	W	31.91	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.78	0.82	
04.23.2021	03:02:56	S	3421.54	W	31.64	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.79	0.67	
04.23.2021	03:03:56	S	3421.55	W	31.4	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.75	0.75	
04.23.2021	03:04:56	S	3421.57	W	31.14	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.72	0.77	
04.23.2021	03:05:56	S	3421.58	W	30.94	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.78	0.75	
04.23.2021	03:06:56	S	3421.59	W	30.64	2.8	3.77	134	3.19	35.4	4.0	1.2	19.2	3.70	0.68	
04.23.2021	03:07:56	S	3421.59	W	30.41	2.8	3.77	134	3.19	35.4	3.9	1.2	19.2	3.77	0.79	
04.23.2021	03:08:48	S	3421.6	W	30.18	2.8	3.77	134	3.19	35.4	3.9	1.2	19.2	3.67	0.63	
04.23.2021	03:09:48	S	3421.62	W	29.91	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.79	0.77	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	03:10:48	S	3421.63	W	29.66	2.8	3.77	134	3.19	35.4	3.9	1.2	19.1	3.67	0.78
04.23.2021	03:11:48	S	3421.65	W	29.41	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.73	0.80
04.23.2021	03:12:48	S	3421.67	W	29.19	2.8	3.77	134	3.19	35.4	3.9	1.2	19.2	3.71	0.77
04.23.2021	03:13:48	S	3421.68	W	28.93	2.8	3.77	134	3.19	35.4	4.0	1.2	19.4	3.74	0.76
04.23.2021	03:14:48	S	3421.69	W	28.69	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.78	0.83
04.23.2021	03:15:48	S	3421.7	W	28.44	2.8	3.77	134	3.19	35.4	3.9	1.2	18.9	3.71	0.71
04.23.2021	03:16:48	S	3421.71	W	28.18	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.80	0.78
04.23.2021	03:17:48	S	3421.73	W	27.94	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.72	0.69
04.23.2021	03:18:49	S	3421.74	W	27.7	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.78	0.78
04.23.2021	03:19:49	S	3421.74	W	27.65	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.66	0.65
04.23.2021	03:20:49	S	3421.76	W	27.21	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.78	0.81
04.23.2021	03:21:49	S	3421.78	W	26.96	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.72	0.70
04.23.2021	03:22:49	S	3421.79	W	26.72	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.77	0.80
04.23.2021	03:23:49	S	3421.81	W	26.46	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.76	0.68
04.23.2021	03:24:49	S	3421.83	W	26.2	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.80	0.83
04.23.2021	03:25:49	S	3421.84	W	25.95	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.66	0.74
04.23.2021	03:26:49	S	3421.86	W	25.74	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.71	0.74
04.23.2021	03:27:49	S	3421.87	W	25.48	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.71	0.73
04.23.2021	03:28:50	S	3421.89	W	25.23	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.73	0.73
04.23.2021	03:29:49	S	3421.9	W	24.99	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.76	0.72
04.23.2021	03:30:49	S	3421.91	W	24.75	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.71	0.69
04.23.2021	03:31:49	S	3421.93	W	24.49	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.71	0.73
04.23.2021	03:32:49	S	3421.95	W	24.24	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.70	0.69
04.23.2021	03:33:49	S	3421.97	W	24	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.86	0.78
04.23.2021	03:34:49	S	3421.99	W	23.74	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.75	0.77
04.23.2021	03:35:49	S	3422	W	23.46	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.76
04.23.2021	03:36:49	S	3422.02	W	23.21	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.77	0.75
04.23.2021	03:37:49	S	3422.03	W	23	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.72	0.70
04.23.2021	03:38:48	S	3422.05	W	22.73	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.75	0.80
04.23.2021	03:39:48	S	3422.07	W	22.47	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.74	0.78
04.23.2021	03:40:48	S	3422.09	W	22.23	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.74	0.77
04.23.2021	03:41:48	S	3422.1	W	21.99	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.67	0.72
04.23.2021	03:42:48	S	3422.12	W	21.77	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.78	0.75
04.23.2021	03:43:48	S	3422.13	W	21.5	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.67	0.70
04.23.2021	03:44:48	S	3422.15	W	21.24	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.67	0.77
04.23.2021	03:45:48	S	3422.16	W	21	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.75	0.78
04.23.2021	03:46:48	S	3422.18	W	20.76	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.83	0.83
04.23.2021	03:47:48	S	3422.19	W	20.49	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.80	0.73

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	03:48:54	S	3422.21	W	20.25	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.80	0.76
04.23.2021	03:49:54	S	3422.22	W	20	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.74	0.69
04.23.2021	03:50:54	S	3422.23	W	19.76	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.83	0.82
04.23.2021	03:51:54	S	3422.24	W	19.55	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.73	0.69
04.23.2021	03:52:54	S	3422.25	W	19.29	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.77	0.73
04.23.2021	03:53:54	S	3422.27	W	19.06	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.80	0.81
04.23.2021	03:54:54	S	3422.28	W	18.83	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.71	0.76
04.23.2021	03:55:54	S	3422.29	W	18.55	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.80	0.80
04.23.2021	03:56:54	S	3422.3	W	18.31	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.75	0.75
04.23.2021	03:57:54	S	3422.31	W	18.05	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.69	0.76
04.23.2021	03:58:57	S	3422.31	W	17.84	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.77	0.79
04.23.2021	03:59:57	S	3422.31	W	17.59	2.8	3.77	134	3.19	35.4	3.9	1.0	18.4	3.69	0.85
04.23.2021	04:00:57	S	3422.32	W	17.32	2.8	3.77	134	3.19	35.4	4.0	1.0	18.5	3.75	0.76
04.23.2021	04:01:57	S	3422.32	W	17.1	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.72	0.70
04.23.2021	04:02:57	S	3422.33	W	16.83	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.73	0.79
04.23.2021	04:03:57	S	3422.33	W	16.6	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.74	0.75
04.23.2021	04:04:57	S	3422.33	W	16.38	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.81	0.80
04.23.2021	04:05:57	S	3422.33	W	16.1	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.96	0.71
04.23.2021	04:06:57	S	3422.33	W	15.9	2.8	3.77	134	3.19	35.4	3.9	1.1	18.5	3.74	0.77
04.23.2021	04:07:57	S	3422.33	W	15.66	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.76	0.69
04.23.2021	04:08:49	S	3422.33	W	15.41	2.8	3.77	134	3.19	35.4	4.0	1.1	18.7	3.80	0.74
04.23.2021	04:09:49	S	3422.34	W	15.15	2.8	3.77	134	3.19	35.4	4.0	1.1	18.6	3.73	0.77
04.23.2021	04:10:49	S	3422.34	W	14.9	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.78	0.74
04.23.2021	04:11:49	S	3422.34	W	14.66	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.73	0.75
04.23.2021	04:12:49	S	3422.34	W	14.43	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.76	0.73
04.23.2021	04:13:49	S	3422.34	W	14.16	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.76	0.78
04.23.2021	04:14:49	S	3422.35	W	13.95	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.76	0.71
04.23.2021	04:15:49	S	3422.35	W	13.69	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.69	0.77
04.23.2021	04:16:49	S	3422.35	W	13.45	2.8	3.77	134	3.19	35.4	3.9	1.0	18.5	3.73	0.71
04.23.2021	04:17:49	S	3422.35	W	13.19	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.84	0.76
04.23.2021	04:18:53	S	3422.35	W	12.96	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.79	0.75
04.23.2021	04:19:53	S	3422.35	W	12.71	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.78	0.76
04.23.2021	04:20:53	S	3422.35	W	12.48	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.71	0.71
04.23.2021	04:21:53	S	3422.35	W	12.25	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.78	0.78
04.23.2021	04:22:53	S	3422.35	W	12.02	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.68	0.72
04.23.2021	04:23:53	S	3422.36	W	11.77	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.75	0.76
04.23.2021	04:24:53	S	3422.36	W	11.49	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.74	0.77
04.23.2021	04:25:53	S	3422.37	W	11.26	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.76	0.71

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	04:26:53	S	3422.38	W	11.04	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.75	0.76
04.23.2021	04:27:53	S	3422.38	W	10.75	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.70	0.72
04.23.2021	04:28:52	S	3422.39	W	10.52	2.8	3.77	134	3.19	35.4	3.9	1.1	18.7	3.73	0.72
04.23.2021	04:29:52	S	3422.39	W	10.29	2.8	3.77	134	3.19	35.4	3.8	1.1	18.7	3.67	0.74
04.23.2021	04:30:52	S	3422.39	W	10.05	2.8	3.77	134	3.19	35.4	3.8	1.1	18.7	3.71	0.94
04.23.2021	04:31:52	S	3422.39	W	9.78	2.8	3.77	134	3.19	35.4	3.8	1.1	18.8	3.70	0.71
04.23.2021	04:32:52	S	3422.39	W	9.54	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.70	0.77
04.23.2021	04:33:52	S	3422.39	W	9.32	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.73	0.74
04.23.2021	04:34:52	S	3422.4	W	9.06	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.76	0.75
04.23.2021	04:35:52	S	3422.41	W	8.79	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.78	0.74
04.23.2021	04:36:52	S	3422.42	W	8.53	2.8	3.77	134	3.19	35.4	3.9	1.0	18.7	3.75	0.77
04.23.2021	04:37:52	S	3422.44	W	8.3	2.8	3.77	134	3.19	35.4	4.0	1.0	18.7	3.71	0.77
04.23.2021	04:38:52	S	3422.45	W	8.07	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.81	0.79
04.23.2021	04:39:52	S	3422.46	W	7.82	2.8	3.77	134	3.19	35.4	4.0	1.0	18.9	3.75	0.72
04.23.2021	04:40:52	S	3422.47	W	7.56	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.80	0.73
04.23.2021	04:41:52	S	3422.48	W	7.35	2.8	3.77	134	3.19	35.4	4.1	1.0	18.9	3.76	0.75
04.23.2021	04:42:52	S	3422.5	W	7.09	2.8	3.77	134	3.19	35.4	4.1	1.0	18.7	3.84	0.79
04.23.2021	04:43:52	S	3422.5	W	6.86	2.8	3.77	134	3.19	35.4	4.0	1.0	18.6	3.75	0.66
04.23.2021	04:44:52	S	3422.52	W	6.59	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.73	0.79
04.23.2021	04:45:52	S	3422.53	W	6.36	2.8	3.77	134	3.19	35.4	4.7	1.1	18.8	3.78	0.76
04.23.2021	04:46:52	S	3422.55	W	6.08	2.8	3.77	134	3.19	35.4	5.3	1.2	18.9	3.65	0.74
04.23.2021	04:47:52	S	3422.56	W	5.86	2.8	3.77	134	3.19	35.4	4.2	1.2	18.9	3.75	0.71
04.23.2021	04:48:49	S	3422.58	W	5.6	2.8	3.77	134	3.19	35.4	4.0	1.3	19.0	3.63	0.67
04.23.2021	04:49:49	S	3422.59	W	5.34	2.8	3.77	134	3.19	35.4	4.0	1.3	19.1	3.72	0.77
04.23.2021	04:50:49	S	3422.6	W	5.07	2.8	3.77	134	3.19	35.4	3.9	1.3	18.8	3.77	0.74
04.23.2021	04:51:49	S	3422.62	W	4.83	2.8	3.77	134	3.19	35.4	4.0	1.3	18.8	3.78	0.77
04.23.2021	04:52:49	S	3422.63	W	4.6	2.8	3.77	134	3.19	35.4	4.0	1.4	19.0	3.79	0.75
04.23.2021	04:53:49	S	3422.64	W	4.3	2.8	3.77	134	3.19	35.4	3.9	1.4	18.9	3.79	0.70
04.23.2021	04:54:49	S	3422.65	W	4.08	2.8	3.77	134	3.19	35.4	4.0	1.4	19.1	3.77	0.79
04.23.2021	04:55:49	S	3422.66	W	3.81	2.8	3.77	134	3.19	35.4	3.9	1.4	19.1	3.72	0.72
04.23.2021	04:56:49	S	3422.67	W	3.57	2.8	3.77	134	3.19	35.4	3.9	1.3	19.1	3.73	0.74
04.23.2021	04:57:49	S	3422.68	W	3.32	2.8	3.77	134	3.19	35.4	4.0	1.3	19.2	3.78	0.73
04.23.2021	04:58:50	S	3422.7	W	3.08	2.8	3.77	134	3.19	35.4	3.9	1.3	19.1	3.82	0.66
04.23.2021	04:59:50	S	3422.72	W	2.81	2.8	3.77	134	3.19	35.4	4.1	1.3	19.2	3.76	0.78
04.23.2021	05:00:50	S	3422.73	W	2.6	2.8	3.77	134	3.19	35.4	4.0	1.3	19.2	3.67	0.75
04.23.2021	05:01:50	S	3422.75	W	2.31	2.8	3.77	134	3.19	35.4	4.0	1.2	19.2	3.79	0.77
04.23.2021	05:02:50	S	3422.76	W	2.05	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.68	0.70
04.23.2021	05:03:50	S	3422.78	W	1.79	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.74	0.84

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	05:04:50	S	3422.8	W	1.55	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.69	0.72
04.23.2021	05:05:50	S	3422.81	W	1.3	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.73	0.80
04.23.2021	05:06:50	S	3422.83	W	1.03	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.78	0.79
04.23.2021	05:07:50	S	3422.84	W	0.82	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.74	0.74
04.23.2021	05:08:49	S	3422.85	W	0.55	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.81	0.75
04.23.2021	05:09:49	S	3422.87	W	0.29	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.72	0.76
04.23.2021	05:10:49	S	3422.88	W	0.02	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.79	0.77
04.23.2021	05:11:49	S	3422.89	E	0.21	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.77	0.76
04.23.2021	05:12:49	S	3422.91	E	0.48	2.8	3.77	134	0.00	0.0	0.0	1.1	0.0	3.79	0.79
04.23.2021	05:13:49	S	3422.92	E	0.76	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.79	0.80
04.23.2021	05:14:49	S	3422.93	E	0.99	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.73	0.76
04.23.2021	05:15:49	S	3422.94	E	1.25	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.75	0.69
04.23.2021	05:16:49	S	3422.96	E	1.49	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.70	0.71
04.23.2021	05:17:49	S	3422.97	E	1.76	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.72	0.75
04.23.2021	05:18:51	S	3422.99	E	2.03	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.69	0.70
04.23.2021	05:19:51	S	3423	E	2.27	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.65	0.70
04.23.2021	05:20:51	S	3423.01	E	2.53	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.69	0.74
04.23.2021	05:21:51	S	3423.03	E	2.82	2.8	3.77	134	3.19	35.4	3.9	0.9	18.8	3.75	0.77
04.23.2021	05:22:51	S	3423.04	E	3.06	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.82	0.75
04.23.2021	05:23:51	S	3423.05	E	3.3	2.8	3.77	134	3.19	35.4	3.8	0.9	18.9	3.69	0.64
04.23.2021	05:24:51	S	3423.06	E	3.55	2.8	3.77	134	3.19	35.4	3.8	0.9	19.1	3.78	0.66
04.23.2021	05:25:51	S	3423.08	E	3.84	2.8	3.77	134	3.19	35.4	3.9	0.9	19.2	3.76	0.74
04.23.2021	05:26:51	S	3423.09	E	4.08	2.8	3.77	134	3.19	35.4	3.9	0.9	19.0	3.74	0.78
04.23.2021	05:27:51	S	3423.11	E	4.3	2.8	3.77	134	3.19	35.4	3.9	0.9	18.8	3.82	0.77
04.23.2021	05:28:53	S	3423.12	E	4.57	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.82	0.80
04.23.2021	05:29:53	S	3423.13	E	4.85	2.8	3.77	134	3.19	35.4	3.9	0.9	19.0	3.74	0.72
04.23.2021	05:30:53	S	3423.14	E	5.1	2.8	3.77	134	3.19	35.4	4.0	0.9	19.1	3.79	0.78
04.23.2021	05:31:53	S	3423.15	E	5.34	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.72	0.72
04.23.2021	05:32:53	S	3423.16	E	5.61	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.79	0.78
04.23.2021	05:33:53	S	3423.17	E	5.84	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.71	0.79
04.23.2021	05:34:53	S	3423.18	E	6.09	2.8	3.77	134	3.19	35.4	4.0	0.9	18.8	3.72	0.75
04.23.2021	05:35:53	S	3423.2	E	6.36	2.8	3.77	134	3.19	35.4	3.9	0.9	18.7	3.70	0.78
04.23.2021	05:36:53	S	3423.21	E	6.64	2.8	3.77	134	3.19	35.4	4.0	1.0	18.8	3.64	0.73
04.23.2021	05:37:53	S	3423.23	E	6.88	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.77	0.79
04.23.2021	05:38:56	S	3423.24	E	7.13	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.74	0.69
04.23.2021	05:39:56	S	3423.25	E	7.39	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.77	0.72
04.23.2021	05:40:56	S	3423.27	E	7.63	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.87	0.82
04.23.2021	05:41:56	S	3423.29	E	7.91	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.76	0.74

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	05:42:56	S	3423.31	E	8.15	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.74	
04.23.2021	05:43:56	S	3423.32	E	8.41	2.8	3.77	134	0.00	0.0	0.0	1.0	0.0	3.73	0.71	
04.23.2021	05:44:56	S	3423.33	E	8.65	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.77	0.68	
04.23.2021	05:45:56	S	3423.33	E	8.89	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.77	0.72	
04.23.2021	05:46:56	S	3423.35	E	9.16	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.78	0.77	
04.23.2021	05:47:56	S	3423.36	E	9.41	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.66	0.81	
04.23.2021	05:48:57	S	3423.38	E	9.64	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.70	
04.23.2021	05:49:57	S	3423.39	E	9.92	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.76	0.71	
04.23.2021	05:50:57	S	3423.4	E	10.18	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.64	0.80	
04.23.2021	05:51:57	S	3423.41	E	10.4	2.8	3.77	134	3.19	35.4	4.0	1.0	19.0	3.75	0.76	
04.23.2021	05:52:57	S	3423.43	E	10.68	2.8	3.77	134	3.19	35.4	4.0	0.9	19.1	3.63	0.72	
04.23.2021	05:53:57	S	3423.43	E	10.94	2.8	3.77	134	3.19	35.4	3.9	0.9	18.9	3.73	0.72	
04.23.2021	05:54:57	S	3423.45	E	11.19	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.72	0.70	
04.23.2021	05:55:57	S	3423.46	E	11.42	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.74	0.72	
04.23.2021	05:56:57	S	3423.47	E	11.69	2.8	3.77	134	3.19	35.4	4.0	1.0	19.1	3.78	0.77	
04.23.2021	05:57:57	S	3423.49	E	11.96	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.81	0.71	
04.23.2021	05:58:54	S	3423.5	E	12.18	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.82	0.82	
04.23.2021	05:59:54	S	3423.51	E	12.45	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.72	0.77	
04.23.2021	06:00:54	S	3423.52	E	12.73	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.76	0.76	
04.23.2021	06:01:54	S	3423.53	E	12.95	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.71	0.75	
04.23.2021	06:02:54	S	3423.54	E	13.25	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.75	0.73	
04.23.2021	06:03:54	S	3423.55	E	13.47	2.8	3.77	134	3.19	35.4	4.0	1.0	19.2	3.76	0.78	
04.23.2021	06:04:54	S	3423.56	E	13.71	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.69	0.70	
04.23.2021	06:05:54	S	3423.58	E	13.95	2.8	3.77	134	3.19	35.4	3.9	1.0	19.0	3.64	0.78	
04.23.2021	06:06:54	S	3423.58	E	14.19	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.71	0.72	
04.23.2021	06:07:54	S	3423.6	E	14.47	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.68	0.76	
04.23.2021	06:08:51	S	3423.6	E	14.75	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.69	0.78	
04.23.2021	06:09:51	S	3423.62	E	14.98	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.78	0.71	
04.23.2021	06:10:51	S	3423.63	E	15.24	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.73	0.74	
04.23.2021	06:11:51	S	3423.64	E	15.47	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.81	0.79	
04.23.2021	06:12:51	S	3423.65	E	15.74	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.80	0.76	
04.23.2021	06:13:51	S	3423.66	E	15.96	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.74	0.71	
04.23.2021	06:14:51	S	3423.67	E	16.26	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.74	0.78	
04.23.2021	06:15:51	S	3423.68	E	16.46	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.73	0.69	
04.23.2021	06:16:51	S	3423.7	E	16.76	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.80	0.84	
04.23.2021	06:17:51	S	3423.71	E	17.01	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.80	0.70	
04.23.2021	06:18:53	S	3423.72	E	17.26	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.70	0.66	
04.23.2021	06:19:53	S	3423.73	E	17.52	2.8	3.77	134	3.19	35.4	4.1	1.2	19.0	3.79	0.80	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	06:20:53	S	3423.75	E	17.76	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.74	0.74
04.23.2021	06:21:53	S	3423.76	E	18.01	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.74	0.73
04.23.2021	06:22:53	S	3423.77	E	18.28	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.66	0.70
04.23.2021	06:23:53	S	3423.79	E	18.53	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.76	0.73
04.23.2021	06:24:53	S	3423.8	E	18.79	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.69	0.72
04.23.2021	06:25:53	S	3423.81	E	19.06	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.78	0.73
04.23.2021	06:26:53	S	3423.82	E	19.29	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.78	0.76
04.23.2021	06:27:53	S	3423.83	E	19.5	2.8	3.77	134	3.19	35.4	4.0	1.2	19.2	3.80	0.78
04.23.2021	06:28:56	S	3423.84	E	19.8	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.77	0.75
04.23.2021	06:29:56	S	3423.85	E	20.04	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.73	0.71
04.23.2021	06:30:56	S	3423.86	E	20.29	2.8	3.77	134	3.19	35.4	3.9	1.2	18.7	3.74	0.73
04.23.2021	06:31:56	S	3423.88	E	20.54	2.8	3.77	134	3.19	35.4	3.9	1.2	18.7	3.75	0.80
04.23.2021	06:32:56	S	3423.89	E	20.79	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.72	0.69
04.23.2021	06:33:56	S	3423.89	E	20.79	2.8	3.77	134	3.19	35.4	3.9	1.2	18.9	3.74	0.76
04.23.2021	06:34:56	S	3423.91	E	21.33	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.76	0.75
04.23.2021	06:35:56	S	3423.92	E	21.58	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.77	0.78
04.23.2021	06:36:57	S	3423.93	E	21.83	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.70	0.69
04.23.2021	06:37:57	S	3423.94	E	22.08	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.73	0.81
04.23.2021	06:38:51	S	3423.95	E	22.34	2.8	3.77	134	3.19	35.4	4.0	1.1	18.8	3.70	0.68
04.23.2021	06:39:51	S	3423.96	E	22.59	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.71	0.76
04.23.2021	06:40:51	S	3423.98	E	22.88	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.62	0.65
04.23.2021	06:41:51	S	3423.98	E	23.09	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.71
04.23.2021	06:42:51	S	3423.99	E	23.36	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.73	0.75
04.23.2021	06:43:51	S	3424	E	23.63	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.80	0.73
04.23.2021	06:44:51	S	3424	E	23.88	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.85	0.72
04.23.2021	06:45:51	S	3424.01	E	24.15	2.8	3.77	134	3.19	35.4	4.0	1.1	19.0	3.71	0.76
04.23.2021	06:46:51	S	3424.02	E	24.38	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.78	0.75
04.23.2021	06:47:51	S	3424.03	E	24.64	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.78	0.76
04.23.2021	06:48:50	S	3424.04	E	24.9	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.75	0.73
04.23.2021	06:49:50	S	3424.05	E	25.12	2.8	3.77	134	3.19	35.4	4.0	1.1	18.9	3.78	0.78
04.23.2021	06:50:50	S	3424.06	E	25.38	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.72	0.71
04.23.2021	06:51:50	S	3424.06	E	25.64	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.76	0.76
04.23.2021	06:52:50	S	3424.08	E	25.91	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.69	0.76
04.23.2021	06:53:50	S	3424.09	E	26.12	2.8	3.77	134	3.19	35.4	4.1	1.2	18.7	3.73	0.75
04.23.2021	06:54:50	S	3424.1	E	26.39	2.8	3.77	134	3.19	35.4	4.1	1.2	18.5	3.70	0.75
04.23.2021	06:55:50	S	3424.11	E	26.62	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.74	0.77
04.23.2021	06:56:50	S	3424.12	E	26.87	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.66	0.70
04.23.2021	06:57:50	S	3424.13	E	27.14	2.8	3.77	134	3.19	35.4	4.1	1.2	18.9	3.80	0.74

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	06:58:51	S	3424.14	E	27.37	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.85	0.79	
04.23.2021	06:59:51	S	3424.15	E	27.59	2.8	3.77	134	3.19	35.4	4.0	1.2	18.6	3.73	0.74	
04.23.2021	07:00:51	S	3424.17	E	27.86	2.8	3.77	134	3.19	35.4	4.0	1.2	18.6	3.81	0.78	
04.23.2021	07:01:51	S	3424.18	E	28.1	2.8	3.77	134	3.19	35.4	4.1	1.2	18.7	3.74	0.72	
04.23.2021	07:02:51	S	3424.2	E	28.33	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.78	0.76	
04.23.2021	07:03:51	S	3424.21	E	28.62	2.8	3.77	134	3.19	35.4	4.0	1.2	18.7	3.80	0.79	
04.23.2021	07:04:51	S	3424.23	E	28.84	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.77	0.74	
04.23.2021	07:05:51	S	3424.25	E	29.12	2.8	3.77	134	3.19	35.4	4.0	1.2	18.9	3.82	0.83	
04.23.2021	07:06:51	S	3424.25	E	29.34	2.8	3.77	134	3.19	35.4	4.0	1.2	18.8	3.70	0.68	
04.23.2021	07:07:51	S	3424.26	E	29.61	2.8	3.77	134	3.19	35.4	3.9	1.2	18.8	3.75	0.79	
04.23.2021	07:08:55	S	3424.26	E	29.83	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.74	0.72	
04.23.2021	07:09:55	S	3424.26	E	30.09	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.73	0.75	
04.23.2021	07:10:55	S	3424.27	E	30.34	2.8	3.77	134	3.19	35.4	4.0	1.2	19.2	3.73	0.79	
04.23.2021	07:11:55	S	3424.27	E	30.61	2.8	3.77	134	3.19	35.4	4.0	1.1	19.1	3.70	0.75	
04.23.2021	07:12:55	S	3424.26	E	30.83	2.8	3.77	134	3.19	35.4	4.0	1.2	19.2	3.76	0.78	
04.23.2021	07:13:55	S	3424.26	E	31.08	2.8	3.77	134	3.19	35.4	3.9	1.2	19.1	3.69	0.74	
04.23.2021	07:14:55	S	3424.26	E	31.35	2.8	3.77	134	3.19	35.4	3.9	1.2	19.0	3.78	0.77	
04.23.2021	07:15:55	S	3424.27	E	31.6	2.8	3.77	134	3.19	35.4	4.0	1.2	19.0	3.74	0.74	
04.23.2021	07:16:55	S	3424.27	E	31.71	2.8	3.77	134	3.19	35.4	4.0	1.2	19.1	3.76	0.74	
04.23.2021	07:17:55	S	3424.27	E	31.71	2.8	3.77	134	3.19	35.4	4.0	1.1	19.2	3.74	0.74	
04.23.2021	07:18:46	S	3424.28	E	32.37	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.77	0.77	
04.23.2021	07:19:46	S	3424.28	E	32.58	2.8	3.77	134	3.19	35.4	3.9	1.1	19.0	3.78	0.76	
04.23.2021	07:20:46	S	3424.28	E	32.83	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.71	0.80	
04.23.2021	07:21:46	S	3424.28	E	33.06	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.81	0.72	
04.23.2021	07:22:46	S	3424.27	E	33.37	2.8	3.77	134	3.19	35.4	3.9	1.1	18.8	3.74	0.75	
04.23.2021	07:23:46	S	3424.27	E	33.61	2.8	3.77	134	3.19	35.4	3.9	1.1	18.9	3.67	0.72	
04.23.2021	07:24:46	S	3424.27	E	33.86	2.8	3.77	134	3.19	35.4	3.9	1.1	19.1	3.75	0.77	
04.23.2021	07:25:46	S	3424.27	E	34.1	2.8	3.77	134	3.19	35.4	3.9	1.0	19.2	3.75	0.67	
04.23.2021	07:26:46	S	3424.27	E	34.36	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.72	0.78	
04.23.2021	07:27:46	S	3424.26	E	34.63	2.8	3.77	134	3.19	35.4	3.9	1.0	19.1	3.65	0.72	
04.23.2021	07:28:54	S	3424.26	E	34.86	2.8	3.77	134	3.19	35.4	3.9	1.0	18.8	3.72	0.74	
04.23.2021	07:29:54	S	3424.26	E	35.11	2.8	3.77	134	3.19	35.4	3.9	1.0	18.9	3.82	0.75	
04.23.2021	07:30:54	S	3424.26	E	35.39	2.8	3.75	133	3.19	35.4	3.9	1.0	18.8	3.75	0.75	
04.23.2021	07:31:54	S	3424.26	E	35.64	2.8	3.75	133	3.19	35.4	3.9	1.0	18.8	3.76	0.74	
04.23.2021	07:32:54	S	3424.25	E	35.86	2.8	3.75	133	3.19	35.4	3.9	1.1	18.7	3.78	0.75	
04.23.2021	07:33:54	S	3424.24	E	36.12	2.8	3.75	133	3.19	35.4	4.0	1.1	18.8	3.81	0.79	
04.23.2021	07:34:54	S	3424.24	E	36.37	2.8	3.75	133	3.19	35.4	4.0	1.1	18.9	3.70	0.73	
04.23.2021	07:35:54	S	3424.24	E	36.65	2.8	3.75	133	3.19	35.4	4.0	1.1	18.9	3.77	0.58	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	07:36:54	S	3424.24	E	36.89	2.8	3.75	133	3.19	35.4	3.9	1.1	18.5	3.79	0.72	
04.23.2021	07:37:54	S	3424.24	E	37.13	2.8	3.75	133	3.19	35.4	4.0	1.1	18.6	3.73	0.68	
04.23.2021	07:38:53	S	3424.24	E	37.37	2.8	3.75	133	3.19	35.4	4.0	1.1	18.6	3.69	0.73	
04.23.2021	07:39:53	S	3424.24	E	37.62	2.8	3.75	133	3.19	35.4	4.0	1.1	18.8	3.77	0.77	
04.23.2021	07:40:53	S	3424.24	E	37.85	2.8	3.75	133	3.19	35.4	4.0	1.1	18.9	3.68	0.74	
04.23.2021	07:41:53	S	3424.23	E	38.13	2.8	3.75	133	3.19	35.4	4.0	1.1	18.9	3.67	0.73	
04.23.2021	07:42:53	S	3424.23	E	38.36	2.8	3.75	133	3.19	35.4	4.0	1.2	18.7	3.73	0.73	
04.23.2021	07:43:53	S	3424.23	E	38.61	2.8	3.75	133	3.19	35.4	4.0	1.1	18.6	3.67	0.81	
04.23.2021	07:44:53	S	3424.22	E	38.89	2.8	3.75	133	3.19	35.4	3.9	1.1	18.5	3.68	0.75	
04.23.2021	07:45:53	S	3424.22	E	39.1	2.8	3.75	133	0.00	0.0	0.0	1.1	0.0	3.77	0.82	
04.23.2021	07:46:53	S	3424.22	E	39.35	2.8	3.75	133	3.19	35.4	4.0	1.1	19.0	3.75	0.74	
04.23.2021	07:47:53	S	3424.22	E	39.61	2.8	3.75	133	3.19	35.4	4.1	1.1	18.7	3.73	0.74	
04.23.2021	07:48:54	S	3424.21	E	39.87	2.8	3.75	133	3.19	35.4	4.2	1.1	18.8	3.75	0.81	
04.23.2021	07:49:54	S	3424.22	E	40.11	2.8	3.75	133	3.19	35.4	4.1	1.1	18.9	3.75	0.70	
04.23.2021	07:50:54	S	3424.23	E	40.36	2.8	3.75	133	3.19	35.4	4.1	1.1	18.9	3.76	0.78	
04.23.2021	07:51:54	S	3424.24	E	40.63	2.8	3.75	133	3.19	35.4	4.2	1.2	18.8	3.77	0.79	
04.23.2021	07:52:54	S	3424.25	E	40.87	2.8	3.75	133	3.19	35.4	4.1	1.2	19.0	3.73	0.71	
04.23.2021	07:53:54	S	3424.26	E	41.13	2.8	3.75	133	3.19	35.4	4.1	1.2	18.8	3.71	0.72	
04.23.2021	07:54:54	S	3424.27	E	41.38	2.8	3.75	133	3.19	35.4	4.1	1.2	18.9	3.72	0.69	
04.23.2021	07:55:54	S	3424.28	E	41.6	2.8	3.75	133	3.19	35.4	4.1	1.2	18.9	3.76	0.76	
04.23.2021	07:56:54	S	3424.28	E	41.86	2.8	3.75	133	3.19	35.4	4.1	1.2	18.9	3.69	0.75	
04.23.2021	07:57:54	S	3424.29	E	42.11	2.8	3.73	132	3.19	35.4	4.1	1.2	18.8	3.74	0.73	
04.23.2021	07:58:53	S	3424.3	E	42.37	2.8	3.73	132	3.19	35.4	4.2	1.3	18.9	3.75	0.81	
04.23.2021	07:59:53	S	3424.31	E	42.59	2.8	3.73	132	3.19	35.4	4.1	1.3	18.8	3.72	0.79	
04.23.2021	08:00:53	S	3424.33	E	42.85	2.8	3.73	132	3.19	35.4	4.1	1.3	18.9	3.75	0.73	
04.23.2021	08:01:53	S	3424.34	E	43.11	2.8	3.73	132	3.19	35.4	4.1	1.3	18.8	3.74	0.71	
04.23.2021	08:02:53	S	3424.34	E	43.35	2.8	3.73	132	3.19	35.4	4.1	1.3	18.9	3.68	0.71	
04.23.2021	08:03:53	S	3424.36	E	43.61	2.8	3.73	132	3.19	35.4	4.1	1.3	18.9	3.74	0.73	
04.23.2021	08:04:53	S	3424.37	E	43.82	2.8	3.73	132	3.19	35.4	4.3	1.3	18.9	3.71	0.68	
04.23.2021	08:05:53	S	3424.39	E	44.07	2.8	3.73	132	3.19	35.4	4.2	1.3	18.7	3.77	0.76	
04.23.2021	08:06:53	S	3424.4	E	44.32	2.8	3.73	132	3.19	35.4	4.2	1.3	18.7	3.81	0.72	
04.23.2021	08:07:53	S	3424.4	E	44.55	2.8	3.73	132	3.19	35.4	4.1	1.3	19.0	3.79	0.74	
04.23.2021	08:08:49	S	3424.4	E	44.77	2.8	3.73	132	3.19	35.4	4.1	1.3	18.9	3.77	0.77	
04.23.2021	08:09:49	S	3424.41	E	45.02	2.8	3.73	132	3.19	35.4	4.1	1.3	18.9	3.77	0.76	
04.23.2021	08:10:49	S	3424.43	E	45.26	2.8	3.73	132	3.19	35.4	4.2	1.3	18.9	3.73	0.76	
04.23.2021	08:11:49	S	3424.44	E	45.5	2.8	3.73	132	3.19	35.4	4.1	1.3	18.8	3.74	0.78	
04.23.2021	08:12:49	S	3424.45	E	45.78	2.8	3.73	132	3.19	35.4	4.1	1.3	18.9	3.71	0.72	
04.23.2021	08:13:49	S	3424.46	E	45.99	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.78	0.77	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	08:14:49	S	3424.47	E	46.26	2.8	3.73	132	3.19	35.4	4.2	1.2	18.8	3.69	0.70	
04.23.2021	08:15:49	S	3424.49	E	46.53	2.8	3.73	132	3.19	35.4	4.2	1.2	18.8	3.71	0.79	
04.23.2021	08:16:49	S	3424.5	E	46.75	2.8	3.73	132	3.19	35.4	4.3	1.3	18.9	3.81	0.77	
04.23.2021	08:17:49	S	3424.51	E	46.99	2.8	3.73	132	3.19	35.4	4.2	1.3	19.0	3.73	0.73	
04.23.2021	08:18:49	S	3424.52	E	47.26	2.8	3.73	132	3.19	35.4	4.1	1.3	19.0	3.78	0.72	
04.23.2021	08:19:49	S	3424.53	E	47.52	2.8	3.73	132	3.19	35.4	4.2	1.3	18.8	3.73	0.69	
04.23.2021	08:20:49	S	3424.54	E	47.76	2.8	3.73	132	3.19	35.4	4.1	1.3	18.7	3.83	0.81	
04.23.2021	08:21:49	S	3424.55	E	47.98	2.8	3.73	132	3.19	35.4	4.1	1.3	18.8	3.68	0.71	
04.23.2021	08:22:49	S	3424.58	E	48.24	2.8	3.73	132	3.19	35.4	4.2	1.3	18.7	3.80	0.75	
04.23.2021	08:23:49	S	3424.6	E	48.51	2.8	3.73	132	3.19	35.4	4.2	1.3	18.9	3.76	0.72	
04.23.2021	08:24:49	S	3424.62	E	48.74	2.8	3.73	132	3.19	35.4	4.1	1.3	19.1	3.77	0.76	
04.23.2021	08:25:49	S	3424.64	E	49.02	2.8	3.73	132	3.19	35.4	4.1	1.3	19.3	3.73	0.68	
04.23.2021	08:26:49	S	3424.65	E	49.26	2.8	3.73	132	3.19	35.4	4.1	1.3	19.1	3.74	0.78	
04.23.2021	08:27:49	S	3424.67	E	49.5	2.8	3.73	132	3.19	35.4	4.1	1.3	19.0	3.77	0.77	
04.23.2021	08:28:56	S	3424.69	E	49.77	2.8	3.73	132	3.19	35.4	4.1	1.3	19.1	3.71	0.76	
04.23.2021	08:29:56	S	3424.71	E	49.99	2.8	3.73	132	3.19	35.4	4.0	1.2	19.1	3.73	0.74	
04.23.2021	08:30:56	S	3424.73	E	50.24	2.8	3.73	132	3.19	35.4	4.0	1.2	19.1	3.71	0.74	
04.23.2021	08:31:56	S	3424.75	E	50.48	2.8	3.73	132	3.19	35.4	4.1	1.2	19.1	3.74	0.82	
04.23.2021	08:32:56	S	3424.76	E	50.73	2.8	3.73	132	3.19	35.4	4.1	1.2	19.0	3.74	0.71	
04.23.2021	08:33:56	S	3424.78	E	51	2.8	3.73	132	3.19	35.4	4.1	1.2	18.9	3.84	0.74	
04.23.2021	08:34:56	S	3424.8	E	51.26	2.8	3.73	132	0.00	0.0	0.0	1.2	0.0	3.79	0.74	
04.23.2021	08:35:56	S	3424.82	E	51.48	2.8	3.73	132	3.19	35.4	4.2	1.2	18.9	3.70	0.71	
04.23.2021	08:36:56	S	3424.84	E	51.73	2.8	3.73	132	3.19	35.4	4.2	1.1	18.9	3.83	0.81	
04.23.2021	08:37:56	S	3424.86	E	51.96	2.8	3.73	132	3.19	35.4	4.2	1.1	18.9	3.76	0.77	
04.23.2021	08:38:55	S	3424.88	E	52.21	2.8	3.73	132	3.19	35.4	4.1	1.1	18.8	3.77	0.73	
04.23.2021	08:39:55	S	3424.9	E	52.5	2.8	3.73	132	3.19	35.4	4.1	1.1	18.9	3.74	0.78	
04.23.2021	08:40:55	S	3424.91	E	52.73	2.8	3.73	132	3.19	35.4	4.1	1.1	19.2	3.77	0.77	
04.23.2021	08:41:55	S	3424.93	E	53	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.77	0.77	
04.23.2021	08:42:55	S	3424.95	E	53.24	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.77	0.75	
04.23.2021	08:43:55	S	3424.97	E	53.5	2.8	3.73	132	3.19	35.4	4.0	1.2	18.9	3.70	0.77	
04.23.2021	08:44:55	S	3424.99	E	53.76	2.8	3.73	132	3.19	35.4	4.0	1.2	19.0	3.74	0.78	
04.23.2021	08:45:55	S	3425.01	E	54	2.8	3.73	132	3.19	35.4	4.0	1.2	19.1	3.77	0.81	
04.23.2021	08:46:55	S	3425.02	E	54.24	2.8	3.73	132	3.19	35.4	4.0	1.2	19.0	3.74	0.71	
04.23.2021	08:47:55	S	3425.05	E	54.5	2.8	3.73	132	3.19	35.4	4.1	1.2	19.0	3.66	0.74	
04.23.2021	08:48:52	S	3425.07	E	54.75	2.8	3.73	132	0.00	0.0	0.0	1.2	0.0	3.72	0.79	
04.23.2021	08:49:52	S	3425.09	E	55.01	2.8	3.73	132	3.19	35.4	4.1	1.2	19.0	3.80	0.82	
04.23.2021	08:50:52	S	3425.11	E	55.23	2.8	3.73	132	3.19	35.4	4.0	1.2	19.0	3.75	0.71	
04.23.2021	08:51:52	S	3425.12	E	55.5	2.8	3.73	132	3.19	35.4	4.0	1.2	19.1	3.71	0.81	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	08:52:52	S	3425.15	E	55.76	2.8	3.73	132	3.19	35.4	4.1	1.2	19.1	3.77	0.73	
04.23.2021	08:53:52	S	3425.17	E	56.01	2.8	3.73	132	3.19	35.4	4.1	1.2	19.1	3.75	0.77	
04.23.2021	08:54:52	S	3425.19	E	56.26	2.8	3.73	132	3.19	35.4	4.2	1.2	18.9	3.84	0.78	
04.23.2021	08:55:52	S	3425.22	E	56.52	2.8	3.73	132	3.19	35.4	4.1	1.2	18.8	3.75	0.74	
04.23.2021	08:56:52	S	3425.23	E	56.74	2.8	3.73	132	3.19	35.4	4.1	1.2	18.8	3.81	0.73	
04.23.2021	08:57:52	S	3425.25	E	57.01	2.8	3.73	132	3.19	35.4	4.1	1.2	18.7	3.75	0.73	
04.23.2021	08:58:57	S	3425.26	E	57.24	2.8	3.73	132	3.19	35.4	4.1	1.2	18.7	3.81	0.80	
04.23.2021	08:59:57	S	3425.29	E	57.51	2.8	3.73	132	3.19	35.4	4.1	1.2	18.9	3.74	0.78	
04.23.2021	09:00:57	S	3425.3	E	57.79	2.8	3.73	132	3.19	35.4	4.1	1.2	18.8	3.72	0.71	
04.23.2021	09:01:57	S	3425.31	E	58.02	2.8	3.73	132	3.19	35.4	4.0	1.2	18.9	3.70	0.69	
04.23.2021	09:02:57	S	3425.32	E	58.27	2.8	3.73	132	3.19	35.4	4.0	1.2	19.0	3.68	0.73	
04.23.2021	09:03:57	S	3425.34	E	58.53	2.8	3.73	132	0.00	0.0	0.0	1.2	0.0	3.75	0.79	
04.23.2021	09:04:57	S	3425.35	E	58.75	2.8	3.73	132	3.19	35.4	4.1	1.2	18.9	3.69	0.75	
04.23.2021	09:05:57	S	3425.36	E	59.01	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.76	0.79	
04.23.2021	09:06:57	S	3425.37	E	59.28	2.8	3.73	132	3.19	35.4	4.1	1.2	18.8	3.80	0.79	
04.23.2021	09:07:57	S	3425.37	E	59.5	2.8	3.73	132	3.19	35.4	4.1	1.2	18.8	3.69	0.74	
04.23.2021	09:08:50	S	3425.38	E	59.8	2.8	3.73	132	3.19	35.4	4.1	1.2	18.9	3.78	0.78	
04.23.2021	09:09:50	S	3425.39	E	100.03	2.8	3.73	132	3.19	35.4	4.2	1.2	18.8	3.78	0.75	
04.23.2021	09:10:50	S	3425.4	E	100.27	2.8	3.73	132	3.19	35.4	4.2	1.2	18.8	3.79	0.81	
04.23.2021	09:11:50	S	3425.41	E	100.56	2.8	3.73	132	3.19	35.4	4.2	1.2	18.7	3.78	0.75	
04.23.2021	09:12:50	S	3425.41	E	100.79	2.8	3.73	132	3.19	35.4	4.1	1.2	18.9	3.74	0.76	
04.23.2021	09:13:50	S	3425.41	E	101.01	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.81	0.75	
04.23.2021	09:14:50	S	3425.41	E	101.3	2.8	3.73	132	3.19	35.4	4.0	1.2	18.9	3.75	0.74	
04.23.2021	09:15:50	S	3425.41	E	101.56	2.8	3.73	132	3.19	35.4	4.0	1.2	18.9	3.71	0.69	
04.23.2021	09:16:50	S	3425.42	E	101.8	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.72	0.73	
04.23.2021	09:17:50	S	3425.43	E	102.06	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.68	0.75	
04.23.2021	09:18:51	S	3425.43	E	102.31	2.8	3.73	132	3.19	35.4	4.0	1.2	18.6	3.73	0.81	
04.23.2021	09:19:51	S	3425.44	E	102.59	2.8	3.73	132	3.19	35.4	4.0	1.2	18.5	3.73	0.77	
04.23.2021	09:20:51	S	3425.45	E	102.81	2.8	3.73	132	3.19	35.4	4.0	1.2	18.7	3.66	0.76	
04.23.2021	09:21:51	S	3425.46	E	103.09	2.8	3.73	132	3.19	35.4	4.1	1.2	18.7	3.75	0.76	
04.23.2021	09:22:51	S	3425.46	E	103.33	2.8	3.73	132	3.19	35.4	4.0	1.2	18.7	3.72	0.69	
04.23.2021	09:23:51	S	3425.46	E	103.58	2.8	3.73	132	3.19	35.4	3.9	1.2	18.7	3.76	0.77	
04.23.2021	09:24:51	S	3425.47	E	103.85	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.76	0.75	
04.23.2021	09:25:51	S	3425.48	E	104.08	2.8	3.73	132	0.00	0.0	0.0	1.1	0.0	3.77	0.73	
04.23.2021	09:26:51	S	3425.48	E	104.34	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.83	0.82	
04.23.2021	09:27:51	S	3425.49	E	104.62	2.8	3.73	132	3.19	35.4	4.1	1.2	18.7	3.71	0.66	
04.23.2021	09:28:53	S	3425.5	E	104.88	2.8	3.73	132	3.19	35.4	4.0	1.2	18.7	3.78	0.75	
04.23.2021	09:29:53	S	3425.5	E	105.11	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.77	0.77	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	09:30:53	S	3425.5	E	105.37	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.72	0.75
04.23.2021	09:31:53	S	3425.5	E	105.62	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.77	0.73
04.23.2021	09:32:53	S	3425.51	E	105.85	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.78	0.72
04.23.2021	09:33:53	S	3425.51	E	106.12	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.78	0.77
04.23.2021	09:34:53	S	3425.51	E	106.37	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.67	0.77
04.23.2021	09:35:53	S	3425.51	E	106.62	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.70	0.74
04.23.2021	09:36:53	S	3425.52	E	106.88	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.68	0.75
04.23.2021	09:37:53	S	3425.52	E	107.12	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.77	0.75
04.23.2021	09:38:57	S	3425.52	E	107.38	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.76	0.75
04.23.2021	09:39:57	S	3425.52	E	107.66	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.73	0.80
04.23.2021	09:40:57	S	3425.52	E	107.92	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.83	0.78
04.23.2021	09:41:57	S	3425.53	E	108.15	2.8	3.73	132	3.19	35.4	4.0	1.0	18.8	3.85	0.80
04.23.2021	09:42:57	S	3425.53	E	108.42	2.8	3.73	132	3.19	35.4	4.0	1.0	18.7	3.69	0.67
04.23.2021	09:43:57	S	3425.52	E	108.65	2.8	3.73	132	3.19	35.4	4.0	1.0	18.7	3.79	0.73
04.23.2021	09:44:57	S	3425.52	E	108.94	2.8	3.73	132	3.19	35.4	4.0	1.0	18.9	3.78	0.75
04.23.2021	09:45:57	S	3425.52	E	109.18	2.8	3.73	132	3.19	35.4	4.1	1.0	19.0	3.83	0.77
04.23.2021	09:46:57	S	3425.52	E	109.41	2.8	3.73	132	3.19	35.4	4.0	1.0	19.0	3.79	0.78
04.23.2021	09:47:57	S	3425.52	E	109.69	2.8	3.73	132	3.19	35.4	4.0	1.0	18.9	3.68	0.74
04.23.2021	09:48:54	S	3425.52	E	109.94	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.75	0.74
04.23.2021	09:49:54	S	3425.52	E	110.2	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.72	0.82
04.23.2021	09:50:54	S	3425.53	E	110.46	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.72	0.74
04.23.2021	09:51:54	S	3425.53	E	110.69	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.74	0.75
04.23.2021	09:52:54	S	3425.53	E	110.96	2.8	3.73	132	3.19	35.4	4.0	1.0	18.6	3.68	0.69
04.23.2021	09:53:54	S	3425.53	E	111.22	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.81	0.76
04.23.2021	09:54:54	S	3425.54	E	111.47	2.8	3.73	132	3.19	35.4	4.0	1.1	18.6	3.81	0.79
04.23.2021	09:55:54	S	3425.54	E	111.75	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.80	0.76
04.23.2021	09:56:54	S	3425.54	E	111.97	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.76	0.75
04.23.2021	09:57:54	S	3425.53	E	112.24	2.8	3.73	132	3.19	35.4	3.9	1.1	18.4	3.73	0.75
04.23.2021	09:58:52	S	3425.53	E	112.52	2.8	3.73	132	3.19	35.4	3.9	1.0	18.5	3.78	0.76
04.23.2021	09:59:52	S	3425.53	E	112.75	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.79	0.71
04.23.2021	10:00:52	S	3425.54	E	113.01	2.8	3.73	132	3.19	35.4	3.9	1.0	18.5	3.78	0.81
04.23.2021	10:01:52	S	3425.54	E	113.26	2.8	3.73	132	3.19	35.4	4.0	1.1	18.5	3.80	0.78
04.23.2021	10:02:52	S	3425.54	E	113.54	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.78	0.75
04.23.2021	10:03:52	S	3425.55	E	113.77	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.73	0.75
04.23.2021	10:04:52	S	3425.55	E	114.01	2.8	3.73	132	3.19	35.4	4.1	1.1	18.6	3.80	0.75
04.23.2021	10:05:52	S	3425.55	E	114.28	2.8	3.73	132	3.19	35.4	4.1	1.1	18.9	3.67	0.75
04.23.2021	10:06:52	S	3425.56	E	114.52	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.68	0.75
04.23.2021	10:07:52	S	3425.56	E	114.8	2.8	3.73	132	3.19	35.4	3.9	1.1	19.0	3.73	0.80

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	10:08:54	S	3425.57	E	115.03	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.71	0.76
04.23.2021	10:09:54	S	3425.57	E	115.26	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.77	0.74
04.23.2021	10:10:54	S	3425.57	E	115.55	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.80	0.73
04.23.2021	10:11:54	S	3425.58	E	115.8	2.8	3.73	132	0.00	0.0	0.0	1.0	0.0	3.80	0.76
04.23.2021	10:12:54	S	3425.59	E	116.05	2.8	3.73	132	3.19	35.4	4.0	0.9	18.8	3.81	0.78
04.23.2021	10:13:54	S	3425.61	E	116.28	2.8	3.73	132	3.19	35.4	4.1	1.0	18.4	3.75	0.77
04.23.2021	10:14:54	S	3425.63	E	116.52	2.8	3.73	132	3.19	35.4	4.1	0.9	18.2	3.83	0.81
04.23.2021	10:15:54	S	3425.64	E	116.78	2.8	3.73	132	3.19	35.4	4.0	1.0	18.6	3.74	0.74
04.23.2021	10:16:54	S	3425.66	E	117.05	2.8	3.73	132	3.19	35.4	4.0	1.0	18.8	3.77	0.76
04.23.2021	10:17:54	S	3425.67	E	117.26	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.74	0.71
04.23.2021	10:18:52	S	3425.68	E	117.56	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.76	0.69
04.23.2021	10:19:52	S	3425.69	E	117.81	2.8	3.73	132	3.19	35.4	3.9	0.9	18.4	3.66	0.72
04.23.2021	10:20:52	S	3425.72	E	118.06	2.8	3.73	132	3.19	35.4	3.9	0.9	18.7	3.70	0.70
04.23.2021	10:21:52	S	3425.74	E	118.29	2.8	3.73	132	3.19	35.4	3.9	0.9	18.4	3.71	0.76
04.23.2021	10:22:52	S	3425.77	E	118.52	2.8	3.73	132	3.19	35.4	4.0	1.0	18.5	3.74	0.72
04.23.2021	10:23:52	S	3425.78	E	118.79	2.8	3.73	132	3.19	35.4	3.9	1.0	18.3	3.66	0.75
04.23.2021	10:24:52	S	3425.8	E	119.05	2.8	3.73	132	3.19	35.4	3.9	1.0	18.5	3.71	0.74
04.23.2021	10:25:52	S	3425.82	E	119.25	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.80	0.76
04.23.2021	10:26:52	S	3425.84	E	119.52	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.75	0.76
04.23.2021	10:27:52	S	3425.87	E	119.77	2.8	3.73	132	3.19	35.4	3.9	1.1	18.4	3.73	0.75
04.23.2021	10:28:50	S	3425.89	E	119.99	2.8	3.73	132	3.19	35.4	4.0	1.1	18.6	3.76	0.74
04.23.2021	10:29:50	S	3425.91	E	120.28	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.77	0.74
04.23.2021	10:30:50	S	3425.93	E	120.51	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.80	0.78
04.23.2021	10:31:50	S	3425.95	E	120.76	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.78	0.72
04.23.2021	10:32:50	S	3425.97	E	121	2.8	3.73	132	3.19	35.4	4.1	1.1	18.8	3.76	0.73
04.23.2021	10:33:50	S	3426	E	121.27	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.76	0.74
04.23.2021	10:34:50	S	3426.02	E	121.51	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.66	0.71
04.23.2021	10:35:50	S	3426.04	E	121.75	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.71	0.78
04.23.2021	10:36:50	S	3426.06	E	121.97	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.74	0.74
04.23.2021	10:37:50	S	3426.08	E	122.24	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.77	0.79
04.23.2021	10:38:50	S	3426.1	E	122.47	2.8	3.73	132	3.19	35.4	4.0	1.1	18.6	3.71	0.70
04.23.2021	10:39:50	S	3426.13	E	122.72	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.68	0.73
04.23.2021	10:40:50	S	3426.15	E	122.97	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.80	0.79
04.23.2021	10:41:50	S	3426.18	E	123.22	2.8	3.73	132	3.19	35.4	4.0	1.1	18.4	3.73	0.79
04.23.2021	10:42:50	S	3426.2	E	123.45	2.8	3.73	132	3.19	35.4	3.9	1.1	18.2	3.76	0.75
04.23.2021	10:43:50	S	3426.21	E	123.55	2.8	3.73	132	3.19	35.4	4.0	1.1	18.4	3.74	0.78
04.23.2021	10:44:50	S	3426.24	E	123.94	2.8	3.73	132	3.19	35.4	4.0	1.1	18.4	3.80	0.77
04.23.2021	10:45:50	S	3426.26	E	124.22	2.8	3.73	132	3.19	35.4	4.0	1.1	18.5	3.69	0.70

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	10:46:50	S	3426.28	E	124.46	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.79	0.77
04.23.2021	10:47:50	S	3426.29	E	124.71	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.81	0.78
04.23.2021	10:48:53	S	3426.29	E	124.94	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.77	0.75
04.23.2021	10:49:53	S	3426.31	E	125.2	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.69	0.67
04.23.2021	10:50:53	S	3426.32	E	125.42	2.8	3.73	132	3.19	35.4	4.0	1.1	18.5	3.74	0.78
04.23.2021	10:51:53	S	3426.34	E	125.67	2.8	3.73	132	3.19	35.4	4.1	1.1	18.6	3.69	0.75
04.23.2021	10:52:53	S	3426.35	E	125.92	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.74	0.76
04.23.2021	10:53:53	S	3426.35	E	126.16	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.73	0.75
04.23.2021	10:54:53	S	3426.36	E	126.41	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.67	0.71
04.23.2021	10:55:53	S	3426.38	E	126.67	2.8	3.73	132	3.19	35.4	4.1	1.1	18.9	3.69	0.75
04.23.2021	10:56:53	S	3426.39	E	126.88	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.75	0.70
04.23.2021	10:57:53	S	3426.4	E	127.13	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.77	0.75
04.23.2021	10:58:53	S	3426.41	E	127.39	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.76	0.72
04.23.2021	10:59:53	S	3426.42	E	127.65	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.73	0.71
04.23.2021	11:00:53	S	3426.43	E	127.87	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.74	0.69
04.23.2021	11:01:53	S	3426.45	E	128.15	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.78	0.79
04.23.2021	11:02:53	S	3426.46	E	128.39	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.81	0.81
04.23.2021	11:03:53	S	3426.47	E	128.62	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.71	0.64
04.23.2021	11:04:53	S	3426.48	E	128.85	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.75	0.74
04.23.2021	11:05:53	S	3426.49	E	129.12	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.74	0.68
04.23.2021	11:06:53	S	3426.5	E	129.35	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.76	0.79
04.23.2021	11:07:53	S	3426.5	E	129.62	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.72	0.73
04.23.2021	11:08:56	S	3426.51	E	129.85	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.73	0.74
04.23.2021	11:09:56	S	3426.52	E	130.09	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.74	0.77
04.23.2021	11:10:56	S	3426.53	E	130.32	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.65	0.77
04.23.2021	11:11:56	S	3426.54	E	130.59	2.8	3.73	132	3.19	35.4	3.9	1.0	18.5	3.69	0.73
04.23.2021	11:12:56	S	3426.54	E	130.8	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.79	0.73
04.23.2021	11:13:56	S	3426.55	E	131.06	2.8	3.73	132	3.19	35.4	4.0	1.0	18.8	3.73	0.73
04.23.2021	11:14:56	S	3426.56	E	131.29	2.8	3.73	132	3.19	35.4	4.0	1.0	18.9	3.79	0.75
04.23.2021	11:15:56	S	3426.57	E	131.54	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.75	0.75
04.23.2021	11:16:56	S	3426.57	E	131.78	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.79	0.72
04.23.2021	11:17:56	S	3426.58	E	132.02	2.8	3.73	132	3.19	35.4	3.8	1.1	19.0	3.78	0.73
04.23.2021	11:18:49	S	3426.57	E	132.27	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.75	0.75
04.23.2021	11:19:49	S	3426.58	E	132.48	2.8	3.73	132	3.19	35.4	3.9	1.1	19.0	3.79	0.80
04.23.2021	11:20:49	S	3426.58	E	132.75	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.77	0.77
04.23.2021	11:21:49	S	3426.59	E	133	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.80	0.78
04.23.2021	11:22:49	S	3426.6	E	133.22	2.8	3.73	132	3.19	35.4	3.9	1.1	19.0	3.76	0.79
04.23.2021	11:23:49	S	3426.6	E	133.47	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.70	0.73

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	11:24:49	S	3426.6	E	133.7	2.8	3.73	132	3.19	35.4	3.9	1.1	19.0	3.65	0.72
04.23.2021	11:25:49	S	3426.61	E	133.93	2.8	3.73	132	3.19	35.4	3.9	1.1	19.0	3.79	0.76
04.23.2021	11:26:49	S	3426.61	E	134.17	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.71	0.81
04.23.2021	11:27:49	S	3426.62	E	134.42	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.74	0.77
04.23.2021	11:28:54	S	3426.62	E	134.66	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.78	0.77
04.23.2021	11:29:54	S	3426.62	E	134.9	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.76	0.75
04.23.2021	11:30:54	S	3426.62	E	135.13	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.87	0.82
04.23.2021	11:31:54	S	3426.62	E	135.37	2.8	3.73	132	3.19	35.4	4.1	1.1	19.0	3.73	0.69
04.23.2021	11:32:54	S	3426.63	E	135.6	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.77	0.76
04.23.2021	11:33:54	S	3426.63	E	135.85	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.70	0.70
04.23.2021	11:34:54	S	3426.64	E	136.1	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.80	0.79
04.23.2021	11:35:54	S	3426.64	E	136.32	2.8	3.73	132	0.00	0.0	0.0	1.1	0.0	3.71	0.74
04.23.2021	11:36:54	S	3426.65	E	136.56	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.73	0.75
04.23.2021	11:37:54	S	3426.65	E	136.82	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.79	0.78
04.23.2021	11:38:57	S	3426.65	E	137.05	2.8	3.73	132	3.19	35.4	4.0	1.2	18.9	3.70	0.78
04.23.2021	11:39:57	S	3426.66	E	137.32	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.79	0.73
04.23.2021	11:40:57	S	3426.66	E	137.51	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.64	0.68
04.23.2021	11:41:57	S	3426.67	E	137.78	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.77	0.80
04.23.2021	11:42:57	S	3426.68	E	138.01	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.69	0.74
04.23.2021	11:43:57	S	3426.69	E	138.28	2.8	3.73	132	3.19	35.4	4.1	1.1	18.7	3.64	0.72
04.23.2021	11:44:57	S	3426.69	E	138.49	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.79	0.79
04.23.2021	11:45:57	S	3426.7	E	138.75	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.76	0.72
04.23.2021	11:46:57	S	3426.7	E	138.98	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.74	0.75
04.23.2021	11:47:57	S	3426.7	E	139.23	2.8	3.73	132	3.19	35.4	3.9	1.1	19.1	3.79	0.78
04.23.2021	11:48:57	S	3426.71	E	139.47	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.77	0.75
04.23.2021	11:49:57	S	3426.72	E	139.71	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.76	0.73
04.23.2021	11:50:57	S	3426.72	E	139.72	2.8	3.73	132	3.19	35.4	3.8	1.1	19.3	0.85	0.80
04.23.2021	11:51:57	S	3426.73	E	140.18	2.8	3.73	132	3.19	35.4	3.8	1.1	19.6	0.81	0.76
04.23.2021	11:52:57	S	3426.74	E	140.43	2.8	3.73	132	3.19	35.4	3.8	1.1	19.6	0.78	0.76
04.23.2021	11:53:57	S	3426.75	E	140.65	2.8	3.73	132	3.19	35.4	3.8	1.0	19.5	0.81	0.76
04.23.2021	11:54:57	S	3426.76	E	140.87	2.8	3.73	132	3.19	35.4	3.8	1.1	19.6	0.82	0.78
04.23.2021	11:55:57	S	3426.78	E	141.14	2.8	3.73	132	3.19	35.4	3.8	1.1	19.7	0.83	0.78
04.23.2021	11:56:57	S	3426.79	E	141.34	2.8	3.73	132	3.19	35.4	3.9	1.1	19.7	0.79	0.74
04.23.2021	11:57:57	S	3426.81	E	141.61	2.8	3.73	132	3.19	35.4	3.8	1.1	19.7	0.78	0.73
04.23.2021	11:58:57	S	3426.81	E	141.84	2.8	3.73	132	3.19	35.4	3.8	1.1	19.7	0.85	0.79
04.23.2021	11:59:57	S	3426.82	E	142.06	2.8	3.73	132	3.19	35.4	3.8	1.0	19.7	5.31	5.20
04.23.2021	12:00:57	S	3426.83	E	142.29	2.8	3.73	132	3.19	35.4	3.8	1.0	19.7	3.52	0.74
04.23.2021	12:01:57	S	3426.84	E	142.53	2.8	3.73	132	3.19	35.4	3.8	1.0	19.7	3.66	0.69

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	12:02:57	S	3426.86	E	142.79	2.8	3.73	132	3.19	35.4	4.1	1.0	19.3	5.26	5.15
04.23.2021	12:03:57	S	3426.87	E	143.01	2.8	3.73	132	3.19	35.4	4.5	1.0	18.3	5.13	5.08
04.23.2021	12:04:57	S	3426.89	E	143.24	2.8	3.73	132	3.19	35.4	5.0	1.1	16.9	3.69	0.71
04.23.2021	12:05:57	S	3426.9	E	143.48	2.8	3.73	132	3.19	35.4	4.6	1.1	17.2	3.75	0.69
04.23.2021	12:06:57	S	3426.9	E	143.71	2.8	3.73	132	3.19	35.4	4.1	1.2	18.4	3.79	0.76
04.23.2021	12:07:57	S	3426.92	E	143.96	2.8	3.73	132	3.19	35.4	4.0	1.2	18.6	3.89	0.72
04.23.2021	12:08:52	S	3426.93	E	144.16	2.8	3.73	132	3.19	35.4	4.0	1.2	18.6	3.80	0.78
04.23.2021	12:09:52	S	3426.95	E	144.43	2.8	3.73	132	3.19	35.4	4.0	1.2	18.6	3.76	0.75
04.23.2021	12:10:52	S	3426.96	E	144.64	2.8	3.73	132	3.19	35.4	3.9	1.2	18.4	3.73	0.78
04.23.2021	12:11:52	S	3426.97	E	144.88	2.8	3.73	132	3.19	35.4	3.9	1.2	18.4	3.70	0.76
04.23.2021	12:12:52	S	3426.98	E	145.11	2.8	3.73	132	3.19	35.4	3.9	1.2	18.5	3.74	0.74
04.23.2021	12:13:52	S	3427	E	145.37	2.8	3.73	132	3.19	35.4	3.9	1.2	18.7	3.68	0.72
04.23.2021	12:14:52	S	3427.01	E	145.58	2.8	3.73	132	3.19	35.4	3.9	1.2	18.5	3.76	0.76
04.23.2021	12:15:52	S	3427.02	E	145.82	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.72	0.74
04.23.2021	12:16:52	S	3427.03	E	146.04	2.8	3.73	132	3.19	35.4	3.9	1.2	18.7	3.72	0.71
04.23.2021	12:17:52	S	3427.05	E	146.31	2.8	3.73	132	3.19	35.4	3.9	1.2	18.7	3.77	0.81
04.23.2021	12:18:52	S	3427.06	E	146.51	2.8	3.73	132	3.19	35.4	3.9	1.2	18.7	3.77	0.75
04.23.2021	12:19:52	S	3427.08	E	146.74	2.8	3.73	132	3.19	35.4	4.0	1.1	18.6	3.74	0.77
04.23.2021	12:20:52	S	3427.1	E	147	2.8	3.73	132	3.19	35.4	4.0	1.1	18.5	3.77	0.75
04.23.2021	12:21:52	S	3427.11	E	147.19	2.8	3.73	132	3.19	35.4	3.9	1.1	18.4	3.75	0.71
04.23.2021	12:22:52	S	3427.13	E	147.45	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.79	0.73
04.23.2021	12:23:52	S	3427.14	E	147.68	2.8	3.73	132	3.19	35.4	3.9	1.1	18.5	3.79	0.75
04.23.2021	12:24:52	S	3427.15	E	147.91	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.75	0.71
04.23.2021	12:25:52	S	3427.16	E	148.13	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.78	0.76
04.23.2021	12:26:52	S	3427.18	E	148.37	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.73	0.72
04.23.2021	12:27:52	S	3427.2	E	148.6	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.70	0.72
04.23.2021	12:28:52	S	3427.22	E	148.81	2.8	3.73	132	3.19	35.4	3.9	1.0	18.5	3.63	0.68
04.23.2021	12:29:52	S	3427.24	E	149.05	2.8	3.73	132	3.19	35.4	3.9	1.1	18.4	3.69	0.78
04.23.2021	12:30:52	S	3427.25	E	149.28	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.79	0.79
04.23.2021	12:31:52	S	3427.27	E	149.51	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.78	0.78
04.23.2021	12:32:52	S	3427.28	E	149.76	2.8	3.73	132	3.19	35.4	3.8	1.1	18.7	3.75	0.76
04.23.2021	12:33:52	S	3427.3	E	150	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.72	0.74
04.23.2021	12:34:52	S	3427.31	E	150.22	2.8	3.73	132	3.19	35.4	3.8	1.1	18.5	3.73	0.73
04.23.2021	12:35:52	S	3427.32	E	150.42	2.8	3.73	132	3.19	35.4	3.8	1.0	18.7	3.79	0.75
04.23.2021	12:36:52	S	3427.33	E	150.68	2.8	3.73	132	3.19	35.4	3.8	1.0	18.7	3.70	0.71
04.23.2021	12:37:52	S	3427.34	E	150.9	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.81	0.82
04.23.2021	12:38:59	S	3427.36	E	151.15	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.77	0.75
04.23.2021	12:39:59	S	3427.38	E	151.36	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.74	0.78

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	12:40:59	S	3427.39	E	151.57	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.83	0.76	
04.23.2021	12:41:59	S	3427.41	E	151.8	2.8	3.73	132	3.19	35.4	3.9	1.0	18.5	3.74	0.75	
04.23.2021	12:42:59	S	3427.42	E	152.06	2.8	3.73	132	3.19	35.4	3.8	1.0	18.5	3.76	0.84	
04.23.2021	12:43:59	S	3427.43	E	152.26	2.8	3.73	132	3.19	35.4	3.8	1.1	18.5	3.70	0.77	
04.23.2021	12:44:59	S	3427.45	E	152.51	2.8	3.73	132	3.19	35.4	3.8	1.1	18.7	3.72	0.81	
04.23.2021	12:45:59	S	3427.47	E	152.72	2.8	3.73	132	3.19	35.4	3.8	1.0	18.7	3.74	0.76	
04.23.2021	12:46:59	S	3427.48	E	152.96	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.74	0.78	
04.23.2021	12:47:59	S	3427.5	E	153.19	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.79	0.76	
04.23.2021	12:48:52	S	3427.52	E	153.43	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.78	0.76	
04.23.2021	12:49:52	S	3427.53	E	153.66	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.78	0.70	
04.23.2021	12:50:52	S	3427.54	E	153.86	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.76	0.78	
04.23.2021	12:51:52	S	3427.55	E	154.08	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.72	0.71	
04.23.2021	12:52:52	S	3427.57	E	154.32	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.84	0.79	
04.23.2021	12:53:52	S	3427.58	E	154.53	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.72	0.72	
04.23.2021	12:54:52	S	3427.57	E	154.79	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.70	0.77	
04.23.2021	12:55:52	S	3427.57	E	155.01	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.73	0.71	
04.23.2021	12:56:52	S	3427.57	E	155.24	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.71	0.72	
04.23.2021	12:57:52	S	3427.57	E	155.43	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.78	0.78	
04.23.2021	12:58:49	S	3427.58	E	155.69	2.8	3.73	132	3.19	35.4	4.0	1.0	19.0	3.71	0.70	
04.23.2021	12:59:49	S	3427.58	E	155.93	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.72	0.77	
04.23.2021	13:00:49	S	3427.57	E	156.12	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.69	0.73	
04.23.2021	13:01:49	S	3427.57	E	156.36	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.68	0.72	
04.23.2021	13:02:49	S	3427.58	E	156.58	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.75	0.74	
04.23.2021	13:03:49	S	3427.58	E	156.8	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.81	0.74	
04.23.2021	13:04:49	S	3427.58	E	157.02	2.8	3.73	132	0.00	0.0	0.0	1.1	0.0	3.73	0.78	
04.23.2021	13:05:49	S	3427.57	E	157.28	2.8	3.73	132	3.19	35.4	4.0	1.0	18.9	3.74	0.73	
04.23.2021	13:06:49	S	3427.57	E	157.51	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.82	0.79	
04.23.2021	13:07:49	S	3427.58	E	157.73	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.71	0.73	
04.23.2021	13:08:51	S	3427.57	E	157.97	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.78	0.75	
04.23.2021	13:09:51	S	3427.57	E	158.21	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.73	0.73	
04.23.2021	13:10:51	S	3427.57	E	158.42	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.70	0.72	
04.23.2021	13:11:51	S	3427.57	E	158.64	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.74	0.72	
04.23.2021	13:12:51	S	3427.57	E	158.87	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.73	0.70	
04.23.2021	13:13:51	S	3427.57	E	159.12	2.8	3.73	132	3.19	35.4	4.0	1.1	19.0	3.68	0.77	
04.23.2021	13:14:51	S	3427.57	E	159.34	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.71	0.74	
04.23.2021	13:15:51	S	3427.57	E	159.59	2.8	3.73	132	3.19	35.4	4.0	1.1	19.2	3.74	0.77	
04.23.2021	13:16:51	S	3427.57	E	159.79	2.8	3.73	132	3.19	35.4	4.0	1.1	19.2	3.65	0.77	
04.23.2021	13:17:51	S	3427.57	E	200.06	2.8	3.73	132	3.19	35.4	4.0	1.1	19.2	3.68	0.78	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	13:18:54	S	3427.57	E	200.25	2.8	3.73	132	3.19	35.4	4.0	1.1	19.2	3.70	0.74
04.23.2021	13:19:54	S	3427.57	E	200.5	2.8	3.73	132	3.19	35.4	4.0	1.1	19.1	3.71	0.68
04.23.2021	13:20:54	S	3427.58	E	200.74	2.8	3.73	132	3.19	35.4	3.9	1.1	19.1	3.80	0.84
04.23.2021	13:21:54	S	3427.58	E	200.95	2.8	3.73	132	3.19	35.4	4.0	1.0	19.1	3.76	0.74
04.23.2021	13:22:54	S	3427.58	E	201.18	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.74	0.76
04.23.2021	13:23:54	S	3427.58	E	201.44	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.78	0.78
04.23.2021	13:24:54	S	3427.58	E	201.66	2.8	3.73	132	3.19	35.4	3.9	1.0	19.2	3.72	0.74
04.23.2021	13:25:54	S	3427.58	E	201.88	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.74	0.76
04.23.2021	13:26:54	S	3427.58	E	202.13	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.75	0.77
04.23.2021	13:27:54	S	3427.58	E	202.35	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.74	0.68
04.23.2021	13:28:55	S	3427.59	E	202.58	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.79	0.78
04.23.2021	13:29:55	S	3427.6	E	202.84	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.66	0.73
04.23.2021	13:30:55	S	3427.6	E	203.04	2.8	3.73	132	3.19	35.4	3.9	0.9	19.2	3.66	0.73
04.23.2021	13:31:55	S	3427.61	E	203.27	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.60	0.73
04.23.2021	13:32:55	S	3427.61	E	203.52	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.71	0.73
04.23.2021	13:33:55	S	3427.61	E	203.74	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.72	0.75
04.23.2021	13:34:55	S	3427.62	E	203.95	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.78	0.78
04.23.2021	13:35:55	S	3427.62	E	204.2	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.76	0.78
04.23.2021	13:36:55	S	3427.63	E	204.44	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.71	0.70
04.23.2021	13:37:55	S	3427.64	E	204.7	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.74	0.82
04.23.2021	13:38:59	S	3427.64	E	204.92	2.8	3.73	132	3.19	35.4	3.9	1.1	19.0	3.73	0.75
04.23.2021	13:39:59	S	3427.64	E	205.14	2.8	3.73	132	3.19	35.4	3.8	1.1	18.8	3.84	0.78
04.23.2021	13:40:59	S	3427.65	E	205.39	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.73	0.72
04.23.2021	13:41:59	S	3427.65	E	205.6	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.75	0.76
04.23.2021	13:42:59	S	3427.65	E	205.85	2.8	3.73	132	3.19	35.4	3.9	1.0	19.2	3.73	0.72
04.23.2021	13:43:59	S	3427.66	E	206.09	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.80	0.77
04.23.2021	13:44:59	S	3427.66	E	206.29	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.75	0.64
04.23.2021	13:45:59	S	3427.67	E	206.55	2.8	3.73	132	3.19	35.4	3.9	1.0	19.1	3.67	0.71
04.23.2021	13:46:59	S	3427.68	E	206.74	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.79	0.77
04.23.2021	13:47:59	S	3427.68	E	207	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	3.73	0.73
04.23.2021	13:48:51	S	3427.68	E	207.2	2.8	3.73	132	3.19	35.4	3.9	0.9	19.0	3.70	0.73
04.23.2021	13:49:51	S	3427.69	E	207.45	2.8	3.73	132	3.19	35.4	3.9	0.9	19.0	3.68	0.75
04.23.2021	13:50:51	S	3427.69	E	207.69	2.8	3.73	132	3.19	35.4	4.0	0.9	19.0	3.64	0.68
04.23.2021	13:51:51	S	3427.7	E	207.9	2.8	3.73	132	3.19	35.4	3.9	0.9	18.9	3.73	0.70
04.23.2021	13:52:51	S	3427.72	E	208.14	2.8	3.73	132	3.19	35.4	3.9	0.9	18.8	3.75	0.75
04.23.2021	13:53:51	S	3427.74	E	208.37	2.8	3.73	132	3.19	35.4	4.1	0.9	18.8	3.81	0.80
04.23.2021	13:54:51	S	3427.75	E	208.6	2.8	3.73	132	3.19	35.4	4.1	0.9	18.9	3.79	0.75
04.23.2021	13:55:51	S	3427.77	E	208.85	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.72	0.67

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	13:56:51	S	3427.77	E	209.07	2.8	3.73	132	3.19	35.4	4.0	1.0	19.0	3.82	0.80
04.23.2021	13:57:51	S	3427.79	E	209.29	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.77	0.78
04.23.2021	13:58:54	S	3427.81	E	209.56	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.74	0.78
04.23.2021	13:59:54	S	3427.82	E	209.76	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.76	0.79
04.23.2021	14:00:54	S	3427.84	E	210	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.79	0.76
04.23.2021	14:01:54	S	3427.85	E	210.22	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.74	0.73
04.23.2021	14:02:54	S	3427.87	E	210.46	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.75	0.78
04.23.2021	14:03:54	S	3427.88	E	210.7	2.8	3.73	132	3.19	35.4	4.0	1.1	18.6	3.73	0.80
04.23.2021	14:04:54	S	3427.89	E	210.92	2.8	3.73	132	3.19	35.4	4.0	1.2	18.8	3.73	0.71
04.23.2021	14:05:54	S	3427.9	E	211.15	2.8	3.73	132	3.19	35.4	4.0	1.2	18.9	3.70	0.75
04.23.2021	14:06:54	S	3427.92	E	211.38	2.8	3.73	132	3.19	35.4	3.9	1.2	18.8	3.73	0.74
04.23.2021	14:07:54	S	3427.94	E	211.62	2.8	3.73	132	3.19	35.4	3.9	1.2	18.8	3.82	0.81
04.23.2021	14:08:55	S	3427.95	E	211.87	2.8	3.73	132	3.19	35.4	3.9	1.2	18.7	3.75	0.73
04.23.2021	14:09:55	S	3427.97	E	212.1	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.75	0.80
04.23.2021	14:10:55	S	3427.98	E	212.31	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.77	0.80
04.23.2021	14:11:55	S	3428	E	212.56	2.8	3.73	132	3.19	35.4	3.8	1.1	18.8	3.74	0.76
04.23.2021	14:12:55	S	3428.02	E	212.79	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.72	0.71
04.23.2021	14:13:55	S	3428.04	E	213.01	2.8	3.73	132	3.19	35.4	3.8	1.1	19.0	3.72	0.73
04.23.2021	14:14:55	S	3428.05	E	213.23	2.8	3.73	132	3.19	35.4	3.9	1.1	19.0	3.73	0.74
04.23.2021	14:15:55	S	3428.07	E	213.46	2.8	3.73	132	3.19	35.4	3.8	1.1	19.1	3.77	0.74
04.23.2021	14:16:56	S	3428.08	E	213.71	2.8	3.73	132	3.19	35.4	3.8	1.1	19.0	3.68	0.73
04.23.2021	14:17:56	S	3428.1	E	213.89	2.8	3.73	132	3.19	35.4	3.8	1.1	18.9	3.76	0.77
04.23.2021	14:18:51	S	3428.12	E	214.16	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.69	0.70
04.23.2021	14:19:51	S	3428.12	E	214.24	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.69	0.77
04.23.2021	14:20:51	S	3428.15	E	214.6	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.59	0.73
04.23.2021	14:21:51	S	3428.17	E	214.82	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.71	0.72
04.23.2021	14:22:51	S	3428.18	E	215.07	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.72	0.75
04.23.2021	14:23:51	S	3428.2	E	215.29	2.8	3.73	132	3.19	35.4	3.8	1.0	18.7	3.70	0.65
04.23.2021	14:24:51	S	3428.22	E	215.53	2.8	3.73	132	3.19	35.4	3.8	1.0	18.7	3.74	0.68
04.23.2021	14:25:51	S	3428.24	E	215.78	2.8	3.73	132	3.19	35.4	3.8	1.0	18.7	3.73	0.76
04.23.2021	14:26:51	S	3428.25	E	215.96	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.79	0.76
04.23.2021	14:27:51	S	3428.27	E	216.23	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.74	0.68
04.23.2021	14:28:57	S	3428.29	E	216.46	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.77	0.75
04.23.2021	14:29:57	S	3428.31	E	216.71	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.67	0.67
04.23.2021	14:30:57	S	3428.32	E	216.93	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.71	0.72
04.23.2021	14:31:57	S	3428.34	E	217.16	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.79	0.74
04.23.2021	14:32:57	S	3428.36	E	217.42	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.75	0.71
04.23.2021	14:33:57	S	3428.37	E	217.61	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.75	0.71

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	14:34:57	S	3428.39	E	217.85	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.72	0.74
04.23.2021	14:35:57	S	3428.41	E	218.09	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.67	0.69
04.23.2021	14:36:57	S	3428.43	E	218.35	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.74	0.75
04.23.2021	14:37:57	S	3428.44	E	218.58	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.68	0.74
04.23.2021	14:38:52	S	3428.46	E	218.8	2.8	3.73	132	3.19	35.4	3.9	0.9	19.0	3.80	0.80
04.23.2021	14:39:52	S	3428.48	E	219.04	2.8	3.73	132	0.00	0.0	0.0	1.0	0.0	3.79	0.74
04.23.2021	14:40:52	S	3428.5	E	219.28	2.8	3.73	132	3.19	35.4	3.9	0.9	19.0	3.72	0.71
04.23.2021	14:41:52	S	3428.52	E	219.53	2.8	3.73	132	3.19	35.4	3.9	0.9	18.9	3.77	0.77
04.23.2021	14:42:52	S	3428.53	E	219.74	2.8	3.73	132	3.19	35.4	3.9	0.8	18.9	3.83	0.72
04.23.2021	14:43:52	S	3428.56	E	220.02	2.8	3.73	132	3.19	35.4	3.9	0.8	18.9	3.74	0.77
04.23.2021	14:44:52	S	3428.57	E	220.26	2.8	3.73	132	3.19	35.4	3.9	0.8	19.0	3.75	0.80
04.23.2021	14:45:52	S	3428.59	E	220.46	2.8	3.73	132	3.19	35.4	3.9	0.8	19.0	3.75	0.72
04.23.2021	14:46:52	S	3428.6	E	220.67	2.8	3.73	132	3.19	35.4	4.0	0.8	19.0	3.79	0.74
04.23.2021	14:47:52	S	3428.6	E	220.93	2.8	3.73	132	3.19	35.4	3.9	0.8	18.8	3.72	0.70
04.23.2021	14:48:55	S	3428.6	E	221.2	2.8	3.73	132	3.19	35.4	3.9	0.8	19.0	3.73	0.73
04.23.2021	14:49:55	S	3428.6	E	221.42	2.8	3.73	132	3.19	35.4	4.0	0.8	19.2	3.78	0.77
04.23.2021	14:50:55	S	3428.62	E	221.63	2.8	3.73	132	0.00	0.0	0.0	0.8	0.0	3.70	0.74
04.23.2021	14:51:55	S	3428.63	E	221.89	2.8	3.73	132	3.19	35.4	4.0	0.9	18.9	3.65	0.73
04.23.2021	14:52:55	S	3428.64	E	222.11	2.8	3.73	132	3.19	35.4	3.9	0.9	18.8	3.72	0.79
04.23.2021	14:53:55	S	3428.64	E	222.11	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.67	0.71
04.23.2021	14:54:55	S	3428.64	E	222.6	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.78	0.74
04.23.2021	14:55:55	S	3428.65	E	222.83	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.73	0.74
04.23.2021	14:56:55	S	3428.65	E	223.07	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.70	0.70
04.23.2021	14:57:55	S	3428.66	E	223.32	2.8	3.73	132	3.19	35.4	3.9	1.1	18.9	3.80	0.75
04.23.2021	14:58:53	S	3428.67	E	223.57	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.71	0.77
04.23.2021	14:59:53	S	3428.68	E	223.78	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.70	0.70
04.23.2021	15:00:53	S	3428.68	E	224.04	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.79	0.74
04.23.2021	15:01:53	S	3428.68	E	224.26	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.74	0.78
04.23.2021	15:02:53	S	3428.69	E	224.52	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.76	0.68
04.23.2021	15:03:53	S	3428.69	E	224.77	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.74	0.76
04.23.2021	15:04:53	S	3428.7	E	225	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.73	0.74
04.23.2021	15:05:53	S	3428.7	E	225.22	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	3.73	0.73
04.23.2021	15:06:53	S	3428.7	E	225.46	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	3.78	0.72
04.23.2021	15:07:53	S	3428.71	E	225.69	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.72	0.70
04.23.2021	15:08:48	S	3428.71	E	225.94	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.64	0.76
04.23.2021	15:09:48	S	3428.71	E	226.21	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	3.65	0.73
04.23.2021	15:10:48	S	3428.71	E	226.44	2.8	3.73	132	3.19	35.4	3.8	0.9	19.1	3.73	0.75
04.23.2021	15:11:48	S	3428.71	E	226.67	2.8	3.73	132	3.19	35.4	3.8	0.9	19.1	3.74	0.72

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	15:12:48	S	3428.72	E	226.92	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.78	0.79
04.23.2021	15:13:48	S	3428.72	E	227.02	2.8	3.73	132	3.19	35.4	3.8	0.9	19.2	0.78	0.74
04.23.2021	15:14:48	S	3428.73	E	227.41	2.8	3.73	132	3.19	35.4	3.8	0.9	19.6	0.75	0.72
04.23.2021	15:15:48	S	3428.73	E	227.62	2.8	3.73	132	3.19	35.4	3.8	0.9	19.8	0.91	0.86
04.23.2021	15:16:48	S	3428.74	E	227.88	2.8	3.73	132	3.19	35.4	3.7	0.9	19.7	0.81	0.70
04.23.2021	15:17:48	S	3428.74	E	228.12	2.8	3.73	132	3.19	35.4	3.8	0.9	19.7	0.82	0.81
04.23.2021	15:18:57	S	3428.74	E	228.35	2.8	3.73	132	3.19	35.4	3.7	0.9	19.7	0.81	0.77
04.23.2021	15:19:57	S	3428.74	E	228.35	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.84	0.79
04.23.2021	15:20:57	S	3428.75	E	228.82	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.85	0.80
04.23.2021	15:21:57	S	3428.75	E	229.03	2.8	3.73	132	3.19	35.4	3.7	1.0	19.8	0.86	0.82
04.23.2021	15:22:57	S	3428.76	E	229.28	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.83	0.79
04.23.2021	15:23:57	S	3428.76	E	229.54	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.85	0.77
04.23.2021	15:24:57	S	3428.76	E	229.76	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.81	0.75
04.23.2021	15:25:57	S	3428.76	E	230.04	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.83	0.75
04.23.2021	15:26:57	S	3428.76	E	230.22	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.79	0.71
04.23.2021	15:27:57	S	3428.77	E	230.5	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.85	0.80
04.23.2021	15:28:55	S	3428.77	E	230.75	2.8	3.73	132	3.19	35.4	3.7	0.9	19.8	0.89	0.84
04.23.2021	15:29:55	S	3428.76	E	230.99	2.8	3.73	132	3.19	35.4	3.6	0.9	19.9	0.84	0.78
04.23.2021	15:30:55	S	3428.77	E	231.24	2.8	3.73	132	3.19	35.4	3.6	0.9	19.8	5.40	5.33
04.23.2021	15:31:55	S	3428.77	E	231.44	2.8	3.73	132	3.19	35.4	3.6	0.8	19.9	3.56	0.71
04.23.2021	15:32:55	S	3428.77	E	231.71	2.8	3.73	132	3.19	35.4	3.6	0.8	19.8	3.82	0.78
04.23.2021	15:33:55	S	3428.77	E	231.93	2.8	3.73	132	3.19	35.4	4.3	0.8	19.0	5.38	5.24
04.23.2021	15:34:55	S	3428.77	E	232.19	2.8	3.73	132	3.19	35.4	4.2	0.9	18.4	3.80	0.74
04.23.2021	15:35:55	S	3428.77	E	232.44	2.8	3.73	132	3.19	35.4	4.4	0.9	17.2	3.77	0.75
04.23.2021	15:36:55	S	3428.77	E	232.64	2.8	3.73	132	3.19	35.4	4.2	1.0	18.5	3.75	0.78
04.23.2021	15:37:55	S	3428.78	E	232.88	2.8	3.73	132	3.19	35.4	4.1	1.0	18.7	3.68	0.70
04.23.2021	15:38:53	S	3428.79	E	233.19	2.8	3.73	132	3.19	35.4	4.0	1.1	18.8	3.63	0.69
04.23.2021	15:39:53	S	3428.8	E	233.4	2.8	3.73	132	3.19	35.4	4.0	1.1	18.9	3.75	0.61
04.23.2021	15:40:53	S	3428.81	E	233.64	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.76	0.78
04.23.2021	15:41:53	S	3428.81	E	233.9	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.79	0.77
04.23.2021	15:42:53	S	3428.82	E	234.16	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.72	0.65
04.23.2021	15:43:53	S	3428.82	E	234.35	2.8	3.73	132	3.19	35.4	3.9	1.1	18.7	3.82	0.79
04.23.2021	15:44:53	S	3428.83	E	234.64	2.8	3.73	132	3.19	35.4	3.9	1.1	18.8	3.73	0.71
04.23.2021	15:45:53	S	3428.84	E	234.85	2.8	3.73	132	3.19	35.4	3.8	1.1	18.9	3.76	0.73
04.23.2021	15:46:53	S	3428.85	E	235.11	2.8	3.73	132	3.19	35.4	3.8	1.1	18.9	3.69	0.68
04.23.2021	15:47:53	S	3428.85	E	235.35	2.8	3.73	132	3.19	35.4	3.8	1.2	19.0	3.76	0.70
04.23.2021	15:48:54	S	3428.86	E	235.62	2.8	3.73	132	3.19	35.4	3.9	1.2	19.0	3.77	0.73
04.23.2021	15:49:54	S	3428.86	E	235.84	2.8	3.73	132	3.19	35.4	3.8	1.1	19.1	3.76	0.76

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	15:50:54	S	3428.86	E	236.1	2.8	3.73	132	3.19	35.4	3.8	1.1	19.0	3.71	0.75
04.23.2021	15:51:54	S	3428.87	E	236.32	2.8	3.73	132	3.19	35.4	3.8	1.1	19.0	3.71	0.66
04.23.2021	15:52:54	S	3428.89	E	236.59	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.78	0.77
04.23.2021	15:53:54	S	3428.91	E	236.81	2.8	3.73	132	3.19	35.4	3.9	1.0	18.9	3.83	0.78
04.23.2021	15:54:54	S	3428.93	E	237.07	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.79	0.76
04.23.2021	15:55:54	S	3428.95	E	237.33	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.82	0.73
04.23.2021	15:56:54	S	3428.96	E	237.57	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.77	0.74
04.23.2021	15:57:54	S	3428.97	E	237.79	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	3.70	0.70
04.23.2021	15:58:59	S	3428.99	E	238.07	2.8	3.73	132	3.19	35.4	3.8	1.0	19.0	3.83	0.81
04.23.2021	15:59:59	S	3429.01	E	238.3	2.8	3.73	132	3.19	35.4	3.8	0.9	19.1	3.74	0.77
04.23.2021	16:00:59	S	3429.03	E	238.54	2.8	3.73	132	3.19	35.4	3.9	0.9	19.0	3.73	0.72
04.23.2021	16:01:59	S	3429.04	E	238.8	2.8	3.73	132	3.19	35.4	4.0	0.9	19.2	3.77	0.78
04.23.2021	16:02:59	S	3429.06	E	239.02	2.8	3.73	132	3.19	35.4	4.0	0.9	19.2	3.78	0.73
04.23.2021	16:03:59	S	3429.08	E	239.27	2.8	3.73	132	3.19	35.4	4.0	0.9	19.1	3.76	0.73
04.23.2021	16:04:59	S	3429.09	E	239.5	2.8	3.73	132	3.19	35.4	3.9	0.9	19.1	3.78	0.75
04.23.2021	16:05:59	S	3429.1	E	239.73	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.76	0.71
04.23.2021	16:06:59	S	3429.12	E	240.01	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.70	0.75
04.23.2021	16:07:59	S	3429.14	E	240.27	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.70	0.76
04.23.2021	16:08:55	S	3429.15	E	240.49	2.8	3.73	132	3.19	35.4	3.8	0.9	18.8	3.77	0.81
04.23.2021	16:09:55	S	3429.17	E	240.73	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.73	0.78
04.23.2021	16:10:55	S	3429.18	E	240.97	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.77	0.73
04.23.2021	16:11:55	S	3429.2	E	241.22	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	3.68	0.72
04.23.2021	16:12:55	S	3429.22	E	241.49	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.79	0.73
04.23.2021	16:13:55	S	3429.23	E	241.7	2.8	3.73	132	3.19	35.4	3.8	0.9	19.1	3.77	0.76
04.23.2021	16:14:55	S	3429.24	E	241.95	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	3.81	0.74
04.23.2021	16:15:55	S	3429.26	E	242.18	2.8	3.73	132	3.19	35.4	3.9	0.8	18.8	3.68	0.70
04.23.2021	16:16:55	S	3429.27	E	242.44	2.8	3.73	132	3.19	35.4	4.0	0.8	18.7	3.79	0.81
04.23.2021	16:17:55	S	3429.28	E	242.71	2.8	3.73	132	3.19	35.4	4.0	0.8	18.8	3.73	0.71
04.23.2021	16:18:54	S	3429.29	E	242.95	2.8	3.73	132	3.19	35.4	4.0	0.8	18.8	3.78	0.75
04.23.2021	16:19:54	S	3429.3	E	243.18	2.8	3.73	132	3.19	35.4	4.0	0.8	18.8	3.73	0.72
04.23.2021	16:20:54	S	3429.31	E	243.42	2.8	3.73	132	3.19	35.4	4.2	0.7	18.9	3.71	0.73
04.23.2021	16:21:54	S	3429.33	E	243.68	2.8	3.73	132	3.19	35.4	4.6	0.8	18.7	3.74	0.75
04.23.2021	16:22:54	S	3429.34	E	243.9	2.8	3.73	132	3.19	35.4	4.2	0.9	18.8	3.72	0.75
04.23.2021	16:23:54	S	3429.36	E	244.18	2.8	3.73	132	0.00	0.0	0.0	0.9	0.0	3.70	0.74
04.23.2021	16:24:54	S	3429.37	E	244.41	2.8	3.73	132	3.19	35.4	4.0	0.9	18.9	3.67	0.74
04.23.2021	16:25:54	S	3429.38	E	244.65	2.8	3.73	132	3.19	35.4	4.0	0.9	18.9	3.72	0.78
04.23.2021	16:26:54	S	3429.39	E	244.92	2.8	3.73	132	3.19	35.4	3.9	0.9	18.9	3.71	0.76
04.23.2021	16:27:54	S	3429.4	E	245.12	2.8	3.73	132	3.19	35.4	4.0	1.0	18.9	3.75	0.75

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	16:28:56	S	3429.42	E	245.42	2.8	3.73	132	3.19	35.4	4.1	1.0	18.8	3.79	0.79	
04.23.2021	16:29:56	S	3429.43	E	245.64	2.8	3.73	132	3.19	35.4	4.1	0.9	18.8	3.71	0.78	
04.23.2021	16:30:56	S	3429.44	E	245.91	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.72	0.70	
04.23.2021	16:31:56	S	3429.44	E	246.14	2.8	3.73	132	3.19	35.4	3.9	0.9	18.9	3.78	0.75	
04.23.2021	16:32:56	S	3429.46	E	246.38	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.76	0.74	
04.23.2021	16:33:56	S	3429.47	E	246.63	2.8	3.73	132	3.19	35.4	3.8	0.9	18.8	3.84	0.76	
04.23.2021	16:34:56	S	3429.48	E	246.88	2.8	3.73	132	3.19	35.4	3.8	0.9	18.8	3.73	0.74	
04.23.2021	16:35:56	S	3429.5	E	247.15	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.80	0.79	
04.23.2021	16:36:56	S	3429.5	E	247.2	2.8	3.73	132	3.19	35.4	3.8	0.9	19.2	0.80	0.74	
04.23.2021	16:37:56	S	3429.51	E	247.63	2.8	3.73	132	3.19	35.4	3.8	0.9	19.6	0.81	0.79	
04.23.2021	16:39:00	S	3429.52	E	247.71	2.8	3.73	132	3.19	35.4	3.8	0.9	19.6	0.78	0.75	
04.23.2021	16:40:00	S	3429.53	E	248.13	2.8	3.73	132	3.19	35.4	3.8	0.8	19.6	0.82	0.79	
04.23.2021	16:41:00	S	3429.55	E	248.39	2.8	3.73	132	3.19	35.4	3.8	0.8	19.6	0.81	0.74	
04.23.2021	16:42:00	S	3429.56	E	248.61	2.8	3.73	132	3.19	35.4	3.8	0.8	19.6	5.42	5.26	
04.23.2021	16:43:00	S	3429.57	E	248.85	2.8	3.73	132	3.19	35.4	3.8	0.8	19.8	4.48	4.42	
04.23.2021	16:44:00	S	3429.57	E	249.1	2.8	3.73	132	3.19	35.4	3.8	0.8	19.6	0.91	3.51	
04.23.2021	16:45:00	S	3429.59	E	249.37	2.8	3.73	132	3.19	35.4	3.8	0.9	19.5	0.86	3.60	
04.23.2021	16:46:00	S	3429.6	E	249.63	2.8	3.73	132	3.19	35.4	3.9	0.9	18.4	0.81	3.61	
04.23.2021	16:47:00	S	3429.61	E	249.83	2.8	3.73	132	3.19	35.4	3.9	1.0	18.3	0.79	3.67	
04.23.2021	16:48:00	S	3429.62	E	250.12	2.8	3.73	132	3.19	35.4	3.8	1.0	18.4	0.76	3.65	
04.23.2021	16:48:55	S	3429.63	E	250.34	2.8	3.73	132	3.19	35.4	3.8	0.9	19.0	0.79	0.73	
04.23.2021	16:49:55	S	3429.64	E	250.61	2.8	3.73	132	3.19	35.4	3.8	0.9	19.3	0.81	0.77	
04.23.2021	16:50:55	S	3429.64	E	250.87	2.8	3.73	132	3.19	35.4	3.8	0.9	19.3	0.80	0.77	
04.23.2021	16:51:55	S	3429.64	E	250.87	2.8	3.73	132	3.19	35.4	3.8	0.9	19.3	0.80	0.76	
04.23.2021	16:52:55	S	3429.67	E	251.36	2.8	3.73	132	3.19	35.4	3.8	0.9	19.2	0.78	0.74	
04.23.2021	16:53:55	S	3429.68	E	251.57	2.8	3.73	132	3.19	35.4	3.7	1.0	19.3	0.85	0.73	
04.23.2021	16:54:55	S	3429.69	E	251.84	2.8	3.73	132	3.19	35.4	3.8	0.9	19.3	5.42	5.30	
04.23.2021	16:55:55	S	3429.71	E	252.07	2.8	3.73	132	3.19	35.4	3.8	0.9	19.4	3.53	0.70	
04.23.2021	16:56:55	S	3429.72	E	252.34	2.8	3.73	132	3.19	35.4	3.8	0.9	19.6	3.73	0.76	
04.23.2021	16:57:55	S	3429.73	E	252.58	2.8	3.73	132	3.19	35.4	4.1	0.9	19.0	5.27	5.20	
04.23.2021	16:58:55	S	3429.75	E	252.82	2.8	3.73	132	3.19	35.4	4.2	1.0	18.4	5.07	5.00	
04.23.2021	16:59:55	S	3429.76	E	253.08	2.8	3.73	132	3.19	35.4	4.2	1.0	17.7	5.16	5.08	
04.23.2021	17:00:55	S	3429.77	E	253.32	2.8	3.73	132	3.19	35.4	4.1	1.0	18.1	0.83	0.78	
04.23.2021	17:01:55	S	3429.78	E	253.55	2.8	3.73	132	3.19	35.4	4.1	1.0	18.3	0.81	0.76	
04.23.2021	17:02:55	S	3429.8	E	253.8	2.8	3.73	132	3.19	35.4	4.1	1.0	18.5	0.80	0.76	
04.23.2021	17:03:55	S	3429.81	E	254.06	2.8	3.73	132	3.19	35.4	4.2	1.0	18.7	0.80	0.75	
04.23.2021	17:04:55	S	3429.81	E	254.28	2.8	3.73	132	3.19	35.4	4.0	1.0	18.9	0.80	0.74	
04.23.2021	17:05:55	S	3429.82	E	254.54	2.8	3.73	132	3.19	35.4	4.0	1.0	19.0	5.16	5.06	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	17:06:55	S	3429.83	E	254.77	2.8	3.73	132	3.19	35.4	4.0	1.0	18.9	3.47	0.88
04.23.2021	17:07:55	S	3429.84	E	255.04	2.8	3.73	132	3.19	35.4	3.9	1.0	18.2	3.64	0.72
04.23.2021	17:08:55	S	3429.85	E	255.27	2.8	3.73	132	3.19	35.4	4.1	1.0	17.9	3.72	0.72
04.23.2021	17:09:55	S	3429.86	E	255.53	2.8	3.73	132	3.19	35.4	4.2	1.1	18.3	3.75	0.75
04.23.2021	17:10:55	S	3429.87	E	255.77	2.8	3.73	132	3.19	35.4	4.0	1.1	18.7	3.75	0.79
04.23.2021	17:11:55	S	3429.88	E	255.99	2.8	3.73	132	3.19	35.4	3.9	1.0	18.7	3.78	0.82
04.23.2021	17:12:55	S	3429.89	E	256.25	2.8	3.73	132	3.19	35.4	3.9	1.0	18.4	3.76	0.71
04.23.2021	17:13:55	S	3429.9	E	256.48	2.8	3.73	132	3.19	35.4	3.8	1.0	18.5	3.75	0.74
04.23.2021	17:14:55	S	3429.91	E	256.75	2.8	3.73	132	3.19	35.4	3.9	1.0	18.8	3.78	0.74
04.23.2021	17:15:55	S	3429.93	E	256.99	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.70	0.73
04.23.2021	17:16:55	S	3429.94	E	257.23	2.8	3.73	132	3.19	35.4	3.9	1.0	19.0	3.68	0.75
04.23.2021	17:17:55	S	3429.95	E	257.45	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.72	0.76
04.23.2021	17:18:58	S	3429.96	E	257.72	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.67	0.90
04.23.2021	17:19:58	S	3429.97	E	257.91	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.78	0.72
04.23.2021	17:20:58	S	3429.99	E	258.21	2.8	3.73	132	3.19	35.4	3.7	1.0	18.9	3.74	0.74
04.23.2021	17:21:58	S	3430	E	258.42	2.8	3.73	132	3.19	35.4	3.7	1.0	18.7	3.66	0.72
04.23.2021	17:22:58	S	3430.01	E	258.7	2.8	3.73	132	3.19	35.4	3.8	1.0	18.8	3.78	0.79
04.23.2021	17:23:58	S	3430.02	E	258.89	2.8	3.73	132	3.19	35.4	3.8	1.0	18.9	3.76	0.75
04.23.2021	17:24:58	S	3430.03	E	259.17	2.8	3.73	132	3.19	35.4	3.8	0.9	18.8	3.77	0.77
04.23.2021	17:25:58	S	3430.04	E	259.39	2.8	3.73	132	3.19	35.4	3.8	0.9	19.1	3.80	0.78
04.23.2021	17:26:58	S	3430.05	E	259.66	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.74	0.72
04.23.2021	17:27:58	S	3430.06	E	259.9	2.8	3.73	132	3.19	35.4	3.8	1.0	19.1	3.81	0.75
04.23.2021	17:28:55	S	3430.08	E	300.13	2.8	3.73	132	0.00	0.0	0.0	0.9	0.0	3.71	0.67
04.23.2021	17:29:55	S	3430.09	E	300.39	2.8	3.73	132	3.19	35.4	3.8	0.9	18.9	3.79	0.79
04.23.2021	17:30:55	S	3430.11	E	300.63	2.8	3.73	132	3.19	35.4	3.7	0.9	18.8	3.73	0.76
04.23.2021	17:31:55	S	3430.12	E	300.85	2.8	3.71	131	3.19	35.4	3.7	0.9	18.9	3.71	0.74
04.23.2021	17:32:55	S	3430.13	E	301.08	2.8	3.71	131	3.19	35.4	3.7	0.9	18.8	3.73	0.81
04.23.2021	17:33:55	S	3430.14	E	301.33	2.8	3.71	131	3.19	35.4	3.7	0.8	18.9	3.74	0.76
04.23.2021	17:34:55	S	3430.16	E	301.56	2.8	3.71	131	3.19	35.4	3.8	0.8	18.9	3.75	0.75
04.23.2021	17:35:55	S	3430.18	E	301.85	2.8	3.71	131	3.19	35.4	3.8	0.8	19.0	3.73	0.65
04.23.2021	17:36:55	S	3430.19	E	302.04	2.8	3.71	131	3.19	35.4	3.7	0.8	18.9	3.71	0.76
04.23.2021	17:37:55	S	3430.2	E	302.25	2.8	3.71	131	3.19	35.4	3.8	0.8	18.8	3.76	0.74
04.23.2021	17:38:53	S	3430.2	E	302.25	2.8	3.71	131	3.19	35.4	3.8	0.8	19.0	3.68	0.80
04.23.2021	17:39:53	S	3430.23	E	302.81	2.8	3.71	131	3.19	35.4	3.8	0.8	19.0	3.76	0.71
04.23.2021	17:40:53	S	3430.24	E	303.02	2.8	3.71	131	3.19	35.4	3.8	0.8	19.1	3.76	0.72
04.23.2021	17:41:53	S	3430.26	E	303.25	2.8	3.71	131	3.19	35.4	3.8	0.8	19.1	3.71	0.70
04.23.2021	17:42:53	S	3430.27	E	303.53	2.8	3.71	131	3.19	35.4	3.8	0.8	19.1	3.76	0.73
04.23.2021	17:43:53	S	3430.29	E	303.77	2.8	3.71	131	3.19	35.4	3.8	0.8	19.0	3.80	0.75

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	17:44:53	S	3430.3	E	304.02	2.8	3.71	131	3.19	35.4	3.8	0.8	19.1	3.75	0.72
04.23.2021	17:45:53	S	3430.31	E	304.25	2.8	3.71	131	3.19	35.4	3.8	0.8	18.9	3.76	0.72
04.23.2021	17:46:53	S	3430.32	E	304.44	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.70	0.77
04.23.2021	17:47:53	S	3430.34	E	304.69	2.8	3.71	131	3.19	35.4	3.8	0.9	18.7	3.76	0.76
04.23.2021	17:48:56	S	3430.36	E	304.96	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.83	0.77
04.23.2021	17:49:56	S	3430.37	E	305.17	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.71	0.72
04.23.2021	17:50:56	S	3430.38	E	305.43	2.8	3.71	131	3.19	35.4	3.8	1.0	19.0	3.73	0.78
04.23.2021	17:51:56	S	3430.39	E	305.67	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.78	0.77
04.23.2021	17:52:56	S	3430.41	E	305.93	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.65	0.72
04.23.2021	17:53:56	S	3430.42	E	306.16	2.8	3.71	131	3.19	35.4	3.9	0.9	18.9	3.95	0.73
04.23.2021	17:54:56	S	3430.44	E	306.4	2.8	3.71	131	3.19	35.4	3.9	0.9	18.8	3.69	0.75
04.23.2021	17:55:56	S	3430.45	E	306.66	2.8	3.71	131	3.19	35.4	3.9	0.9	18.7	3.79	0.74
04.23.2021	17:56:56	S	3430.47	E	306.88	2.8	3.71	131	3.19	35.4	3.9	0.9	18.8	3.79	0.74
04.23.2021	17:57:56	S	3430.48	E	307.11	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.75	0.75
04.23.2021	17:58:55	S	3430.5	E	307.35	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.85	0.76
04.23.2021	17:59:55	S	3430.51	E	307.57	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.75	0.71
04.23.2021	18:00:55	S	3430.51	E	307.81	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.76	0.71
04.23.2021	18:01:55	S	3430.51	E	308.08	2.8	3.71	131	3.19	35.4	3.8	1.0	19.1	3.81	0.80
04.23.2021	18:02:55	S	3430.52	E	308.27	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.78	0.75
04.23.2021	18:03:55	S	3430.52	E	308.53	2.8	3.71	131	3.19	35.4	3.8	1.0	19.1	3.80	0.77
04.23.2021	18:04:55	S	3430.52	E	308.78	2.8	3.71	131	3.19	35.4	3.9	1.0	19.2	3.74	0.76
04.23.2021	18:05:55	S	3430.52	E	309.02	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.79	0.79
04.23.2021	18:06:55	S	3430.51	E	309.21	2.8	3.71	131	3.19	35.4	3.8	1.1	19.1	3.72	0.75
04.23.2021	18:07:55	S	3430.5	E	309.45	2.8	3.71	131	3.19	35.4	3.8	1.1	19.2	3.75	0.76
04.23.2021	18:08:54	S	3430.5	E	309.7	2.8	3.71	131	3.19	35.4	3.8	1.1	19.2	3.74	0.77
04.23.2021	18:09:54	S	3430.5	E	309.94	2.8	3.71	131	3.19	35.4	3.9	1.1	18.9	3.78	0.74
04.23.2021	18:10:54	S	3430.49	E	310.2	2.8	3.71	131	3.19	35.4	3.9	1.1	18.9	3.69	0.74
04.23.2021	18:11:54	S	3430.48	E	310.44	2.8	3.71	131	3.19	35.4	3.8	1.1	18.9	3.78	0.74
04.23.2021	18:12:54	S	3430.48	E	310.65	2.8	3.71	131	3.19	35.4	3.8	1.1	19.0	3.77	0.74
04.23.2021	18:13:54	S	3430.47	E	310.9	2.8	3.71	131	3.19	35.4	3.8	1.1	19.1	3.70	0.75
04.23.2021	18:14:54	S	3430.46	E	311.12	2.8	3.71	131	3.19	35.4	3.8	1.0	19.2	3.73	0.73
04.23.2021	18:15:54	S	3430.46	E	311.38	2.8	3.71	131	3.19	35.4	3.8	1.0	19.3	3.78	0.73
04.23.2021	18:16:54	S	3430.45	E	311.62	2.8	3.71	131	3.19	35.4	3.8	1.0	19.2	3.75	0.76
04.23.2021	18:17:54	S	3430.45	E	311.82	2.8	3.71	131	3.19	35.4	3.8	1.0	19.3	3.84	0.79
04.23.2021	18:18:54	S	3430.44	E	312.07	2.8	3.71	131	3.19	35.4	3.9	1.0	19.2	3.79	0.76
04.23.2021	18:19:54	S	3430.43	E	312.31	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.82	0.75
04.23.2021	18:20:54	S	3430.43	E	312.53	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.75	0.71
04.23.2021	18:21:54	S	3430.42	E	312.76	2.8	3.71	131	3.19	35.4	3.8	1.0	19.0	3.72	0.75

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	18:22:54	S	3430.41	E	313.01	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.74	0.76
04.23.2021	18:23:54	S	3430.4	E	313.26	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.72	0.69
04.23.2021	18:24:54	S	3430.4	E	313.52	2.8	3.71	131	3.19	35.4	3.9	1.0	19.2	3.71	0.75
04.23.2021	18:25:54	S	3430.4	E	313.76	2.8	3.71	131	3.19	35.4	3.8	0.9	19.3	3.72	0.77
04.23.2021	18:26:54	S	3430.39	E	313.99	2.8	3.71	131	3.19	35.4	3.8	0.9	19.1	3.69	0.75
04.23.2021	18:27:54	S	3430.39	E	314.2	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.77	0.74
04.23.2021	18:28:52	S	3430.38	E	314.43	2.8	3.71	131	3.19	35.4	3.7	0.9	18.9	3.76	0.73
04.23.2021	18:29:52	S	3430.37	E	314.7	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.74	0.73
04.23.2021	18:30:52	S	3430.36	E	314.94	2.8	3.71	131	3.19	35.4	3.8	0.9	19.1	3.82	0.74
04.23.2021	18:31:52	S	3430.35	E	315.18	2.8	3.71	131	3.19	35.4	3.9	0.9	19.0	3.75	0.70
04.23.2021	18:32:52	S	3430.34	E	315.42	2.8	3.71	131	3.19	35.4	3.8	0.9	19.1	3.80	0.79
04.23.2021	18:33:52	S	3430.34	E	315.64	2.8	3.71	131	3.19	35.4	3.8	0.9	19.2	3.75	0.73
04.23.2021	18:34:52	S	3430.34	E	315.89	2.8	3.71	131	3.19	35.4	3.8	0.9	19.4	3.75	0.57
04.23.2021	18:35:52	S	3430.35	E	316.13	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.73	0.74
04.23.2021	18:36:52	S	3430.35	E	316.33	2.8	3.71	131	3.19	35.4	3.8	0.9	18.8	3.73	0.77
04.23.2021	18:37:52	S	3430.36	E	316.6	2.8	3.71	131	3.19	35.4	3.8	0.9	18.7	3.69	0.74
04.23.2021	18:38:54	S	3430.35	E	316.82	2.8	3.71	131	3.19	35.4	3.8	0.9	18.8	3.72	0.73
04.23.2021	18:39:54	S	3430.35	E	317.04	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.73	0.79
04.23.2021	18:40:54	S	3430.35	E	317.27	2.8	3.71	131	3.19	35.4	3.9	1.0	18.8	3.67	0.72
04.23.2021	18:41:54	S	3430.35	E	317.49	2.8	3.71	131	3.19	35.4	4.0	0.9	18.9	3.72	0.78
04.23.2021	18:42:54	S	3430.35	E	317.76	2.8	3.71	131	3.19	35.4	4.0	0.9	18.9	3.71	0.75
04.23.2021	18:43:54	S	3430.35	E	317.97	2.8	3.71	131	3.19	35.4	4.0	0.9	19.0	3.66	0.75
04.23.2021	18:44:54	S	3430.35	E	318.21	2.8	3.71	131	3.19	35.4	4.0	0.9	18.8	3.80	0.75
04.23.2021	18:45:54	S	3430.36	E	318.45	2.8	3.71	131	3.19	35.4	4.0	0.9	18.8	3.79	0.75
04.23.2021	18:46:54	S	3430.36	E	318.69	2.8	3.71	131	3.19	35.4	3.9	0.9	18.7	3.77	0.77
04.23.2021	18:47:54	S	3430.36	E	318.92	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.77	0.76
04.23.2021	18:48:58	S	3430.37	E	319.14	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.78	0.77
04.23.2021	18:49:58	S	3430.38	E	319.42	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.75	0.72
04.23.2021	18:50:58	S	3430.38	E	319.6	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.78	0.75
04.23.2021	18:51:58	S	3430.38	E	319.88	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.79	0.74
04.23.2021	18:52:58	S	3430.39	E	320.1	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.78	0.73
04.23.2021	18:53:58	S	3430.39	E	320.31	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.76	0.75
04.23.2021	18:54:58	S	3430.4	E	320.56	2.8	3.71	131	3.19	35.4	3.9	1.0	18.8	3.77	0.80
04.23.2021	18:55:58	S	3430.41	E	320.77	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.73	0.72
04.23.2021	18:56:58	S	3430.42	E	321.02	2.8	3.71	131	3.19	35.4	3.9	1.1	19.0	3.72	0.76
04.23.2021	18:57:58	S	3430.44	E	321.25	2.8	3.71	131	3.19	35.4	3.9	1.1	19.0	3.72	0.75
04.23.2021	18:58:55	S	3430.45	E	321.51	2.8	3.71	131	3.19	35.4	3.9	1.1	19.1	3.70	0.79
04.23.2021	18:59:55	S	3430.46	E	321.7	2.8	3.71	131	3.19	35.4	3.9	1.1	19.1	3.68	0.77

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	19:00:55	S	3430.47	E	321.96	2.8	3.71	131	3.19	35.4	3.9	1.1	19.0	3.68	0.72
04.23.2021	19:01:55	S	3430.48	E	322.17	2.8	3.71	131	3.19	35.4	3.8	1.1	19.0	3.77	0.70
04.23.2021	19:02:55	S	3430.49	E	322.4	2.8	3.71	131	3.19	35.4	3.8	1.1	19.1	3.73	0.72
04.23.2021	19:03:55	S	3430.52	E	322.65	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.76	0.73
04.23.2021	19:04:55	S	3430.54	E	322.86	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.75	0.77
04.23.2021	19:05:55	S	3430.57	E	323.14	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.78	0.75
04.23.2021	19:06:55	S	3430.58	E	323.35	2.8	3.71	131	3.19	35.4	3.8	1.0	19.2	3.70	0.72
04.23.2021	19:07:55	S	3430.6	E	323.6	2.8	3.71	131	3.19	35.4	3.9	1.0	19.2	3.77	0.76
04.23.2021	19:08:53	S	3430.62	E	323.79	2.8	3.71	131	3.19	35.4	3.8	1.0	19.2	3.75	0.75
04.23.2021	19:09:53	S	3430.64	E	324.02	2.8	3.71	131	3.19	35.4	3.8	1.0	19.1	3.77	0.76
04.23.2021	19:10:53	S	3430.66	E	324.26	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.73	0.71
04.23.2021	19:11:53	S	3430.69	E	324.51	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.73	0.74
04.23.2021	19:12:53	S	3430.71	E	324.74	2.8	3.71	131	3.19	35.4	3.8	1.0	18.9	3.76	0.73
04.23.2021	19:13:53	S	3430.73	E	324.97	2.8	3.71	131	3.19	35.4	3.8	1.0	19.0	3.72	0.77
04.23.2021	19:14:53	S	3430.75	E	325.21	2.8	3.71	131	3.19	35.4	3.8	1.0	18.9	3.70	0.78
04.23.2021	19:15:53	S	3430.77	E	325.39	2.8	3.71	131	3.19	35.4	3.8	1.0	19.1	3.71	0.76
04.23.2021	19:16:53	S	3430.8	E	325.65	2.8	3.71	131	3.19	35.4	3.9	1.0	19.1	3.77	0.70
04.23.2021	19:17:53	S	3430.82	E	325.87	2.8	3.71	131	3.19	35.4	3.8	1.0	19.0	3.74	0.77
04.23.2021	19:19:00	S	3430.83	E	326.08	2.8	3.71	131	3.19	35.4	3.8	1.1	18.9	3.78	0.75
04.23.2021	19:20:00	S	3430.85	E	326.31	2.8	3.71	131	3.19	35.4	3.8	1.0	18.8	3.80	0.76
04.23.2021	19:21:00	S	3430.88	E	326.56	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.76	0.74
04.23.2021	19:22:00	S	3430.9	E	326.79	2.8	3.71	131	3.19	35.4	3.9	1.0	18.8	3.73	0.80
04.23.2021	19:23:00	S	3430.92	E	327.04	2.8	3.71	131	3.19	35.4	3.9	1.0	18.5	3.79	0.73
04.23.2021	19:24:00	S	3430.94	E	327.26	2.8	3.71	131	3.19	35.4	3.8	1.0	18.8	3.82	0.78
04.23.2021	19:25:00	S	3430.96	E	327.45	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.73	0.70
04.23.2021	19:26:00	S	3430.99	E	327.71	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.68	0.73
04.23.2021	19:27:00	S	3431.01	E	327.91	2.8	3.71	131	3.19	35.4	3.8	1.0	18.9	3.79	0.73
04.23.2021	19:28:00	S	3431.04	E	328.17	2.8	3.71	131	3.19	35.4	3.8	1.0	18.8	3.74	0.78
04.23.2021	19:28:59	S	3431.06	E	328.43	2.8	3.71	131	3.19	35.4	3.8	1.0	18.8	3.75	0.78
04.23.2021	19:29:59	S	3431.08	E	328.64	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.67	0.75
04.23.2021	19:30:59	S	3431.1	E	328.84	2.8	3.71	131	3.19	35.4	3.8	1.0	18.7	3.75	0.78
04.23.2021	19:31:59	S	3431.12	E	329.09	2.8	3.71	131	3.19	35.4	3.9	1.0	18.8	3.68	0.76
04.23.2021	19:32:59	S	3431.14	E	329.31	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.76	0.77
04.23.2021	19:33:59	S	3431.16	E	329.51	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.80	0.73
04.23.2021	19:34:59	S	3431.19	E	329.76	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.75	0.73
04.23.2021	19:35:59	S	3431.2	E	330	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.72	0.68
04.23.2021	19:36:59	S	3431.21	E	330.23	2.8	3.71	131	3.19	35.4	3.8	1.1	18.8	3.76	0.76
04.23.2021	19:37:59	S	3431.22	E	330.45	2.8	3.71	131	3.19	35.4	3.8	1.0	18.8	3.77	0.74

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	19:38:57	S	3431.24	E	330.71	2.8	3.71	131	3.19	35.4	3.8	1.0	18.7	3.73	0.74
04.23.2021	19:39:57	S	3431.26	E	330.95	2.8	3.71	131	3.19	35.4	3.9	1.0	18.5	3.78	0.75
04.23.2021	19:40:57	S	3431.27	E	331.15	2.8	3.71	131	3.19	35.4	3.9	1.0	18.5	3.77	0.76
04.23.2021	19:41:57	S	3431.28	E	331.38	2.8	3.71	131	3.19	35.4	3.9	1.0	18.5	3.71	0.78
04.23.2021	19:42:57	S	3431.29	E	331.64	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.78	0.75
04.23.2021	19:43:57	S	3431.3	E	331.83	2.8	3.71	131	3.19	35.4	3.9	1.0	18.4	3.71	0.75
04.23.2021	19:44:57	S	3431.32	E	332.09	2.8	3.71	131	3.19	35.4	3.9	1.0	18.4	3.68	0.74
04.23.2021	19:45:57	S	3431.34	E	332.32	2.8	3.71	131	3.19	35.4	3.9	1.0	18.3	3.73	0.76
04.23.2021	19:46:57	S	3431.35	E	332.55	2.8	3.71	131	3.19	35.4	3.9	1.0	18.5	3.68	0.75
04.23.2021	19:47:57	S	3431.37	E	332.81	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.66	0.75
04.23.2021	19:48:53	S	3431.37	E	333.02	2.8	3.71	131	3.19	35.4	3.8	1.0	18.7	3.74	0.75
04.23.2021	19:49:53	S	3431.38	E	333.25	2.8	3.71	131	3.19	35.4	3.8	1.0	18.7	3.79	0.76
04.23.2021	19:50:53	S	3431.39	E	333.48	2.8	3.71	131	3.19	35.4	3.8	1.0	18.5	3.77	0.72
04.23.2021	19:51:53	S	3431.41	E	333.75	2.8	3.71	131	0.00	0.0	0.0	0.9	0.0	3.78	0.73
04.23.2021	19:52:53	S	3431.41	E	333.94	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.76	0.76
04.23.2021	19:53:53	S	3431.43	E	334.17	2.8	3.71	131	3.19	35.4	3.8	1.0	19.0	3.77	0.77
04.23.2021	19:54:53	S	3431.44	E	334.43	2.8	3.71	131	3.19	35.4	3.8	1.0	18.9	3.71	0.72
04.23.2021	19:55:53	S	3431.46	E	334.65	2.8	3.71	131	3.19	35.4	3.8	1.0	18.8	3.79	0.76
04.23.2021	19:56:53	S	3431.47	E	334.88	2.8	3.71	131	0.00	0.0	0.0	0.9	0.0	3.74	0.72
04.23.2021	19:57:53	S	3431.49	E	335.12	2.8	3.71	131	3.19	35.4	3.9	0.9	18.9	3.77	0.74
04.23.2021	19:59:00	S	3431.5	E	335.35	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.75	0.74
04.23.2021	20:00:00	S	3431.51	E	335.61	2.8	3.71	131	3.19	35.4	3.8	0.9	18.9	3.71	0.75
04.23.2021	20:01:00	S	3431.52	E	335.82	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.78	0.78
04.23.2021	20:02:00	S	3431.53	E	336.03	2.8	3.71	131	3.19	35.4	3.8	0.9	19.1	3.66	0.74
04.23.2021	20:03:00	S	3431.55	E	336.3	2.8	3.71	131	3.19	35.4	3.8	0.9	19.1	3.69	0.75
04.23.2021	20:04:00	S	3431.56	E	336.51	2.8	3.71	131	3.19	35.4	3.8	0.9	18.8	3.70	0.76
04.23.2021	20:05:00	S	3431.58	E	336.72	2.8	3.71	131	3.19	35.4	3.9	0.9	18.8	3.82	0.75
04.23.2021	20:06:00	S	3431.59	E	336.95	2.8	3.71	131	3.19	35.4	3.9	0.9	19.1	3.69	0.73
04.23.2021	20:07:00	S	3431.6	E	337.21	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.77	1.02
04.23.2021	20:08:00	S	3431.62	E	337.46	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.81	0.77
04.23.2021	20:08:56	S	3431.63	E	337.66	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.79	0.69
04.23.2021	20:09:56	S	3431.64	E	337.92	2.8	3.71	131	3.19	35.4	3.8	0.9	19.2	3.74	0.73
04.23.2021	20:10:56	S	3431.66	E	338.14	2.8	3.71	131	3.19	35.4	3.8	0.9	19.1	3.78	0.75
04.23.2021	20:11:56	S	3431.67	E	338.37	2.8	3.71	131	3.19	35.4	3.8	0.9	19.0	3.75	0.72
04.23.2021	20:12:56	S	3431.68	E	338.61	2.8	3.71	131	3.19	35.4	3.8	1.0	18.9	3.82	0.75
04.23.2021	20:13:56	S	3431.7	E	338.85	2.8	3.71	131	3.19	35.4	3.8	1.0	19.1	3.81	0.71
04.23.2021	20:14:56	S	3431.71	E	339.07	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.73	0.76
04.23.2021	20:15:56	S	3431.72	E	339.3	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.75	0.75

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087					System Name: PaSOx_smart2.0					Hull No. : SC271					
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	20:16:56	S	3431.74	E	339.55	2.8	3.71	131	3.19	35.4	3.9	1.0	19.0	3.73	0.75
04.23.2021	20:17:56	S	3431.75	E	339.75	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.74	0.77
04.23.2021	20:18:56	S	3431.76	E	340	2.8	3.71	131	3.19	35.4	4.0	1.0	18.6	3.69	0.76
04.23.2021	20:19:56	S	3431.77	E	340.24	2.8	3.71	131	3.19	35.4	4.0	1.0	18.7	3.65	0.72
04.23.2021	20:20:56	S	3431.78	E	340.46	2.8	3.71	131	3.19	35.4	3.9	1.0	18.5	3.85	0.77
04.23.2021	20:21:56	S	3431.79	E	340.68	2.8	3.71	131	3.19	35.4	3.9	1.0	18.7	3.74	0.74
04.23.2021	20:22:56	S	3431.81	E	340.93	2.8	3.71	131	3.19	35.4	3.9	1.0	18.8	3.77	0.72
04.23.2021	20:23:56	S	3431.82	E	341.15	2.8	3.71	131	3.19	35.4	4.0	1.0	18.9	3.75	0.75
04.23.2021	20:24:56	S	3431.82	E	341.4	2.8	3.71	131	3.19	35.4	3.9	1.1	18.9	3.78	0.74
04.23.2021	20:25:56	S	3431.82	E	341.62	2.8	3.71	131	3.19	35.4	3.8	1.1	19.0	3.81	0.74
04.23.2021	20:26:56	S	3431.83	E	341.85	2.8	3.71	131	3.19	35.4	4.0	1.0	19.0	3.77	0.75
04.23.2021	20:27:56	S	3431.84	E	342.11	2.8	3.71	131	3.19	35.4	4.0	1.0	19.1	3.73	0.70
04.23.2021	20:28:55	S	3431.84	E	342.33	2.8	3.71	131	3.19	35.4	4.0	1.0	19.0	3.76	0.72
04.23.2021	20:29:55	S	3431.85	E	342.58	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.78	0.73
04.23.2021	20:30:55	S	3431.86	E	342.8	2.8	3.71	131	3.19	35.4	3.9	1.0	18.9	3.78	0.77
04.23.2021	20:31:55	S	3431.87	E	343.02	2.8	3.71	131	3.19	35.4	4.0	1.0	19.1	3.71	0.68
04.23.2021	20:32:55	S	3431.88	E	343.25	2.8	3.67	130	3.19	35.4	3.9	1.0	18.9	3.70	0.75
04.23.2021	20:33:55	S	3431.89	E	343.49	2.8	3.67	130	3.19	35.4	3.9	1.0	19.0	3.71	0.77
04.23.2021	20:34:55	S	3431.89	E	343.72	2.8	3.67	130	3.19	35.4	3.9	1.0	19.1	3.74	0.77
04.23.2021	20:35:55	S	3431.9	E	343.94	2.8	3.67	130	3.19	35.4	3.9	1.0	18.9	3.74	0.73
04.23.2021	20:36:55	S	3431.91	E	344.21	2.8	3.67	130	3.19	35.4	3.9	1.0	18.9	3.81	0.77
04.23.2021	20:37:55	S	3431.92	E	344.42	2.8	3.67	130	3.19	35.4	4.0	1.0	19.1	3.80	0.79
04.23.2021	20:38:57	S	3431.93	E	344.65	2.8	3.67	130	3.19	35.4	4.0	1.0	19.0	3.74	0.75
04.23.2021	20:39:57	S	3431.93	E	344.88	2.8	3.67	130	3.19	35.4	3.9	1.0	18.8	3.70	0.76
04.23.2021	20:40:57	S	3431.94	E	345.14	2.8	3.67	130	3.19	35.4	3.9	1.0	19.0	3.72	0.71
04.23.2021	20:41:57	S	3431.94	E	345.36	2.8	3.67	130	3.19	35.4	3.9	1.1	19.0	3.79	0.77
04.23.2021	20:42:57	S	3431.95	E	345.59	2.8	3.67	130	3.19	35.4	3.9	1.1	18.9	3.78	0.75
04.23.2021	20:43:57	S	3431.96	E	345.82	2.8	3.67	130	3.19	35.4	4.0	1.1	18.8	3.71	0.76
04.23.2021	20:44:57	S	3431.96	E	346.06	2.8	3.67	130	3.19	35.4	4.0	1.1	18.8	3.72	0.73
04.23.2021	20:45:57	S	3431.97	E	346.28	2.8	3.67	130	3.19	35.4	3.9	1.1	18.9	3.75	0.74
04.23.2021	20:46:57	S	3431.97	E	346.5	2.8	3.67	130	3.19	35.4	3.9	1.1	19.1	3.71	0.76
04.23.2021	20:47:57	S	3431.98	E	346.73	2.8	3.67	130	3.19	35.4	3.9	1.1	19.2	3.72	0.73
04.23.2021	20:48:52	S	3431.99	E	346.98	2.8	3.67	130	3.19	35.4	3.9	1.1	19.1	3.68	0.76
04.23.2021	20:49:52	S	3431.99	E	347.17	2.8	3.67	130	3.19	35.4	3.9	1.1	19.3	3.75	0.79
04.23.2021	20:50:52	S	3432.01	E	347.45	2.8	3.67	130	3.19	35.4	3.9	1.1	19.3	3.61	0.71
04.23.2021	20:51:52	S	3432.01	E	347.68	2.8	3.67	130	3.19	35.4	4.0	1.1	19.4	3.76	0.75
04.23.2021	20:52:52	S	3432.02	E	347.89	2.8	3.67	130	3.19	35.4	3.9	1.1	19.2	3.81	0.74
04.23.2021	20:53:52	S	3432.03	E	348.12	2.8	3.67	130	0.00	0.0	0.0	1.1	0.0	3.74	0.76

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	20:54:52	S	3432.03	E	348.34	2.8	3.67	130	3.19	35.4	3.9	1.0	19.3	3.78	0.73
04.23.2021	20:55:52	S	3432.05	E	348.58	2.8	3.67	130	3.19	35.4	3.9	1.0	19.5	3.72	0.79
04.23.2021	20:56:52	S	3432.07	E	348.83	2.8	3.67	130	3.19	35.4	4.0	1.0	19.4	3.73	0.73
04.23.2021	20:57:52	S	3432.08	E	349.07	2.8	3.67	130	3.19	35.4	4.0	1.0	19.3	3.77	0.80
04.23.2021	20:58:56	S	3432.09	E	349.28	2.8	3.67	130	3.19	35.4	3.9	1.0	19.3	3.71	0.72
04.23.2021	20:59:56	S	3432.1	E	349.52	2.8	3.67	130	3.19	35.4	3.9	1.1	19.4	3.77	0.72
04.23.2021	21:00:56	S	3432.1	E	349.74	2.8	3.67	130	3.19	35.4	3.9	1.1	19.2	3.75	0.79
04.23.2021	21:01:56	S	3432.12	E	349.98	2.8	3.67	130	3.19	35.4	3.9	1.1	19.2	3.77	0.73
04.23.2021	21:02:56	S	3432.13	E	350.21	2.8	3.67	130	3.19	35.4	4.0	1.1	19.3	3.76	0.77
04.23.2021	21:03:56	S	3432.14	E	350.44	2.8	3.67	130	3.19	35.4	4.0	1.1	19.2	3.72	0.73
04.23.2021	21:04:56	S	3432.15	E	350.68	2.8	3.67	130	3.19	35.4	4.1	1.1	19.3	3.72	0.73
04.23.2021	21:05:56	S	3432.16	E	350.89	2.8	3.67	130	3.19	35.4	4.1	1.1	19.2	3.68	0.76
04.23.2021	21:06:56	S	3432.17	E	351.12	2.8	3.67	130	3.19	35.4	4.1	1.1	19.1	3.70	0.75
04.23.2021	21:07:56	S	3432.19	E	351.37	2.8	3.67	130	3.19	35.4	4.1	1.1	19.2	3.74	0.79
04.23.2021	21:08:56	S	3432.2	E	351.6	2.8	3.67	130	3.19	35.4	4.1	1.1	19.1	3.80	0.80
04.23.2021	21:09:56	S	3432.21	E	351.84	2.8	3.67	130	3.19	35.4	4.1	1.1	19.0	3.83	0.94
04.23.2021	21:10:56	S	3432.22	E	352.05	2.8	3.67	130	3.19	35.4	4.0	1.2	19.1	3.80	0.75
04.23.2021	21:11:56	S	3432.23	E	352.29	2.8	3.67	130	0.00	0.0	0.0	1.2	0.0	3.76	0.75
04.23.2021	21:12:56	S	3432.24	E	352.54	2.8	3.67	130	3.19	35.4	4.0	1.2	19.1	3.80	0.76
04.23.2021	21:13:56	S	3432.25	E	352.76	2.8	3.67	130	3.19	35.4	4.0	1.2	19.2	3.77	0.78
04.23.2021	21:14:56	S	3432.27	E	352.98	2.8	3.67	130	3.19	35.4	4.0	1.2	19.3	3.78	0.78
04.23.2021	21:15:56	S	3432.28	E	353.21	2.8	3.67	130	3.19	35.4	4.0	1.2	19.3	3.78	0.77
04.23.2021	21:16:56	S	3432.29	E	353.45	2.8	3.67	130	3.19	35.4	4.0	1.2	19.3	3.73	0.73
04.23.2021	21:17:56	S	3432.3	E	353.68	2.8	3.67	130	3.19	35.4	4.0	1.2	19.1	3.75	0.77
04.23.2021	21:18:59	S	3432.32	E	353.91	2.8	3.67	130	3.19	35.4	3.9	1.2	18.8	3.76	0.74
04.23.2021	21:19:59	S	3432.33	E	354.13	2.8	3.67	130	3.19	35.4	3.9	1.2	18.9	3.73	0.68
04.23.2021	21:20:59	S	3432.34	E	354.38	2.8	3.67	130	3.19	35.4	3.9	1.2	19.0	3.62	0.71
04.23.2021	21:21:59	S	3432.35	E	354.59	2.8	3.67	130	3.19	35.4	3.9	1.2	18.9	3.67	0.73
04.23.2021	21:22:59	S	3432.36	E	354.84	2.8	3.67	130	3.19	35.4	3.9	1.2	18.9	3.67	0.77
04.23.2021	21:23:59	S	3432.37	E	355.05	2.8	3.67	130	3.19	35.4	3.9	1.2	19.1	3.72	0.77
04.23.2021	21:24:59	S	3432.37	E	355.28	2.8	3.67	130	3.19	35.4	3.9	1.2	19.0	3.75	0.77
04.23.2021	21:25:59	S	3432.38	E	355.49	2.8	3.67	130	3.19	35.4	3.9	1.1	19.0	3.75	0.77
04.23.2021	21:26:59	S	3432.39	E	355.73	2.8	3.67	130	3.19	35.4	3.9	1.1	18.8	3.74	0.70
04.23.2021	21:27:59	S	3432.41	E	355.93	2.8	3.67	130	3.19	35.4	3.9	1.1	18.7	3.81	0.74
04.23.2021	21:28:58	S	3432.42	E	356.17	2.8	3.67	130	3.19	35.4	3.9	1.1	18.8	3.81	0.76
04.23.2021	21:29:58	S	3432.43	E	356.37	2.8	3.67	130	3.19	35.4	3.9	1.1	18.8	3.74	0.74
04.23.2021	21:30:58	S	3432.45	E	356.63	2.8	3.67	130	3.19	35.4	3.9	1.1	18.8	3.81	0.75
04.23.2021	21:31:58	S	3432.46	E	356.85	2.8	3.67	130	3.19	35.4	3.9	1.0	18.8	3.78	0.80

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	21:32:58	S	3432.47	E	357.09	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.77	0.76
04.23.2021	21:33:58	S	3432.49	E	357.29	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.74	0.73
04.23.2021	21:34:58	S	3432.5	E	357.54	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.73	0.75
04.23.2021	21:35:58	S	3432.51	E	357.73	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.74	0.76
04.23.2021	21:36:58	S	3432.52	E	357.98	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.69	0.72
04.23.2021	21:37:58	S	3432.53	E	358.21	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.65	0.74
04.23.2021	21:38:59	S	3432.54	E	358.41	2.8	3.67	130	3.19	35.4	3.8	0.9	18.8	3.70	0.70
04.23.2021	21:39:59	S	3432.56	E	358.67	2.8	3.67	130	3.19	35.4	3.8	0.9	18.8	3.70	0.70
04.23.2021	21:40:58	S	3432.57	E	358.91	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.77	0.78
04.23.2021	21:41:58	S	3432.58	E	359.13	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.69	0.73
04.23.2021	21:42:58	S	3432.6	E	359.33	2.8	3.67	130	3.19	35.4	3.8	1.0	18.9	3.71	0.76
04.23.2021	21:43:58	S	3432.61	E	359.56	2.8	3.67	130	3.19	35.4	3.8	0.9	18.9	3.74	0.74
04.23.2021	21:44:58	S	3432.62	E	359.78	2.8	3.67	130	3.19	35.4	3.8	0.9	18.9	3.84	0.77
04.23.2021	21:45:58	S	3432.62	E	400.02	2.8	3.67	130	3.19	35.4	3.8	0.9	19.0	3.75	0.76
04.23.2021	21:46:58	S	3432.63	E	400.24	2.8	3.67	130	3.19	35.4	3.9	0.8	18.9	3.79	0.72
04.23.2021	21:47:58	S	3432.63	E	400.47	2.8	3.67	130	3.19	35.4	3.9	0.9	18.9	3.76	0.76
04.23.2021	21:48:53	S	3432.64	E	400.7	2.8	3.67	130	3.19	35.4	3.9	0.9	18.8	3.75	0.72
04.23.2021	21:49:53	S	3432.64	E	400.93	2.8	3.67	130	0.00	0.0	0.0	0.8	0.0	3.73	0.74
04.23.2021	21:50:53	S	3432.65	E	401.15	2.8	3.67	130	3.19	35.4	3.9	0.8	18.8	3.77	0.77
04.23.2021	21:51:53	S	3432.66	E	401.38	2.8	3.67	130	3.19	35.4	3.9	0.8	19.0	3.73	0.76
04.23.2021	21:52:53	S	3432.66	E	401.59	2.8	3.67	130	3.19	35.4	3.9	0.8	19.0	3.69	0.74
04.23.2021	21:53:53	S	3432.67	E	401.81	2.8	3.67	130	3.19	35.4	4.0	0.8	19.1	3.73	0.75
04.23.2021	21:54:53	S	3432.67	E	402.05	2.8	3.67	130	3.19	35.4	3.9	0.8	19.0	3.61	0.71
04.23.2021	21:55:53	S	3432.68	E	402.28	2.8	3.67	130	3.19	35.4	3.9	0.9	18.9	3.65	0.73
04.23.2021	21:56:53	S	3432.69	E	402.49	2.8	3.67	130	3.19	35.4	3.9	0.9	18.8	3.79	0.76
04.23.2021	21:57:53	S	3432.7	E	402.71	2.8	3.67	130	3.19	35.4	4.0	0.9	18.7	3.79	0.77
04.23.2021	21:58:51	S	3432.7	E	402.93	2.8	3.67	130	3.19	35.4	4.0	0.8	18.8	3.78	0.76
04.23.2021	21:59:51	S	3432.71	E	403.17	2.8	3.67	130	0.00	0.0	0.0	0.9	0.0	3.78	0.75
04.23.2021	22:00:51	S	3432.71	E	403.38	2.8	3.67	130	3.19	35.4	3.9	0.9	18.7	3.82	0.79
04.23.2021	22:01:51	S	3432.72	E	403.62	2.8	3.67	130	3.19	35.4	3.9	0.9	18.8	3.74	0.72
04.23.2021	22:02:51	S	3432.72	E	403.83	2.8	3.67	130	3.19	35.4	3.9	0.9	18.7	3.78	0.76
04.23.2021	22:03:51	S	3432.72	E	404.04	2.8	3.67	130	3.19	35.4	3.9	0.9	18.7	3.74	0.74
04.23.2021	22:04:51	S	3432.71	E	404.28	2.8	3.67	130	3.19	35.4	3.9	0.9	18.8	3.76	0.76
04.23.2021	22:05:51	S	3432.71	E	404.52	2.8	3.67	130	3.19	35.4	3.9	0.9	18.8	3.75	0.72
04.23.2021	22:06:51	S	3432.7	E	404.72	2.8	3.67	130	3.19	35.4	3.9	0.9	18.8	3.79	0.78
04.23.2021	22:07:51	S	3432.7	E	404.95	2.8	3.67	130	3.19	35.4	3.8	0.9	18.9	3.78	0.75
04.23.2021	22:08:54	S	3432.69	E	405.2	2.8	3.67	130	3.19	35.4	3.8	1.0	19.1	3.70	0.76
04.23.2021	22:09:54	S	3432.69	E	405.4	2.8	3.67	130	3.19	35.4	3.8	1.0	19.1	3.75	0.79

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	22:10:54	S	3432.69	E	405.63	2.8	3.67	130	3.19	35.4	3.9	0.9	19.2	3.69	0.69
04.23.2021	22:11:54	S	3432.69	E	405.87	2.8	3.67	130	3.19	35.4	3.9	0.9	19.0	3.79	0.75
04.23.2021	22:12:54	S	3432.69	E	406.09	2.8	3.67	130	3.19	35.4	3.8	0.9	19.0	3.78	0.81
04.23.2021	22:13:54	S	3432.69	E	406.31	2.8	3.67	130	3.19	35.4	3.8	1.0	19.0	3.78	0.73
04.23.2021	22:14:54	S	3432.68	E	406.53	2.8	3.67	130	3.19	35.4	3.8	1.0	18.8	3.80	0.75
04.23.2021	22:15:54	S	3432.67	E	406.8	2.8	3.67	130	3.19	35.4	3.8	1.0	18.9	3.76	0.75
04.23.2021	22:16:54	S	3432.67	E	407	2.8	3.67	130	3.19	35.4	3.8	1.0	18.8	3.75	0.78
04.23.2021	22:17:54	S	3432.67	E	407.25	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.76	0.75
04.23.2021	22:18:52	S	3432.66	E	407.48	2.8	3.67	130	3.19	35.4	3.8	1.0	18.7	3.74	0.78
04.23.2021	22:19:52	S	3432.67	E	407.69	2.8	3.67	130	3.19	35.4	3.8	1.0	18.5	3.79	0.73
04.23.2021	22:20:52	S	3432.67	E	407.89	2.8	3.67	130	3.19	35.4	3.9	1.0	18.4	3.76	0.76
04.23.2021	22:21:52	S	3432.67	E	408.15	2.8	3.67	130	3.19	35.4	3.9	1.0	18.5	3.71	0.72
04.23.2021	22:22:52	S	3432.66	E	408.35	2.8	3.67	130	3.19	35.4	3.9	1.0	18.8	3.70	0.78
04.23.2021	22:23:52	S	3432.66	E	408.6	2.8	3.67	130	3.19	35.4	3.8	1.0	18.8	3.71	0.72
04.23.2021	22:24:52	S	3432.66	E	408.83	2.8	3.67	130	3.19	35.4	3.8	1.0	18.8	3.75	0.79
04.23.2021	22:25:52	S	3432.66	E	409.04	2.8	3.67	130	3.19	35.4	3.9	1.0	18.8	3.71	0.73
04.23.2021	22:26:52	S	3432.67	E	409.26	2.8	3.67	130	3.19	35.4	3.9	1.0	19.0	3.66	0.77
04.23.2021	22:27:52	S	3432.68	E	409.51	2.8	3.67	130	3.19	35.4	3.9	1.0	18.9	3.72	0.80
04.23.2021	22:28:55	S	3432.69	E	409.72	2.8	3.67	130	3.19	35.4	3.9	1.0	18.8	3.77	0.75
04.23.2021	22:29:55	S	3432.7	E	409.96	2.8	3.67	130	3.19	35.4	3.8	1.0	18.8	3.78	0.79
04.23.2021	22:30:55	S	3432.7	E	410.18	2.8	3.67	130	3.19	35.4	3.8	1.0	18.9	3.77	0.77
04.23.2021	22:31:55	S	3432.71	E	410.4	2.8	3.67	130	3.19	35.4	3.8	1.0	18.9	3.74	0.75
04.23.2021	22:32:55	S	3432.72	E	410.64	2.8	3.67	130	3.19	35.4	3.8	1.0	19.0	3.77	0.76
04.23.2021	22:33:55	S	3432.72	E	410.88	2.8	3.67	130	3.19	35.4	3.9	1.0	19.2	3.79	0.74
04.23.2021	22:34:55	S	3432.72	E	411.1	2.8	3.67	130	3.19	35.4	3.9	1.0	19.3	3.75	0.76
04.23.2021	22:35:55	S	3432.73	E	411.34	2.8	3.67	130	3.19	35.4	3.9	1.0	19.5	3.76	0.77
04.23.2021	22:36:55	S	3432.75	E	411.56	2.8	3.67	130	3.19	35.4	3.9	1.0	19.4	3.74	0.73
04.23.2021	22:37:55	S	3432.76	E	411.76	2.8	3.67	130	3.19	35.4	3.9	1.0	19.2	3.68	0.71
04.23.2021	22:38:59	S	3432.77	E	412.02	2.8	3.67	130	3.19	35.4	3.9	1.0	19.1	3.68	0.75
04.23.2021	22:39:59	S	3432.78	E	412.24	2.8	3.67	130	3.19	35.4	3.9	1.0	19.2	3.74	0.73
04.23.2021	22:40:59	S	3432.79	E	412.48	2.8	3.67	130	3.19	35.4	3.9	1.0	19.2	3.68	0.77
04.23.2021	22:41:59	S	3432.79	E	412.71	2.8	3.67	130	3.19	35.4	3.9	1.0	19.2	3.69	0.78
04.23.2021	22:42:59	S	3432.8	E	412.91	2.8	3.67	130	3.19	35.4	3.9	1.0	19.1	3.68	0.74
04.23.2021	22:43:59	S	3432.81	E	413.14	2.8	3.67	130	3.19	35.4	3.9	1.0	19.2	3.76	0.75
04.23.2021	22:44:59	S	3432.82	E	413.36	2.8	3.67	130	3.19	35.4	3.9	1.0	19.1	3.74	0.72
04.23.2021	22:45:59	S	3432.83	E	413.59	2.8	3.67	130	3.19	35.4	3.9	1.0	19.0	3.81	0.75
04.23.2021	22:46:59	S	3432.84	E	413.84	2.8	3.68	130	0.00	0.0	0.0	1.0	0.0	3.79	0.73
04.23.2021	22:47:59	S	3432.85	E	414.06	2.8	3.68	130	3.19	35.4	3.9	1.0	19.0	3.74	0.75

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKAL INITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	22:48:59	S	3432.86	E	414.28	2.8	3.68	130	3.19	35.4	3.9	1.0	19.0	3.80	0.76
04.23.2021	22:49:59	S	3432.87	E	414.53	2.8	3.68	130	3.19	35.4	3.9	1.0	18.9	3.79	0.73
04.23.2021	22:50:59	S	3432.88	E	414.76	2.8	3.68	130	3.19	35.4	3.9	1.0	18.9	3.68	0.71
04.23.2021	22:51:59	S	3432.88	E	414.96	2.8	3.68	130	3.19	35.4	3.9	1.1	19.1	3.77	0.75
04.23.2021	22:52:59	S	3432.89	E	415.21	2.8	3.68	130	3.19	35.4	3.9	1.1	19.0	3.77	0.73
04.23.2021	22:53:59	S	3432.89	E	415.44	2.8	3.68	130	3.19	35.4	3.9	1.1	19.0	3.74	0.75
04.23.2021	22:54:59	S	3432.9	E	415.68	2.8	3.68	130	3.19	35.4	3.9	1.1	18.9	3.71	0.78
04.23.2021	22:55:59	S	3432.91	E	415.87	2.8	3.68	130	3.19	35.4	3.8	1.1	18.8	3.71	0.75
04.23.2021	22:56:59	S	3432.91	E	416.09	2.8	3.68	130	3.19	35.4	3.8	1.1	19.0	3.69	0.75
04.23.2021	22:57:59	S	3432.92	E	416.33	2.8	3.68	130	3.19	35.4	3.8	1.1	19.0	3.76	0.81
04.23.2021	22:59:01	S	3432.93	E	416.54	2.8	3.68	130	3.19	35.4	3.8	1.1	18.8	3.75	0.78
04.23.2021	23:00:01	S	3432.94	E	416.8	2.8	3.68	130	3.19	35.4	3.8	1.1	18.7	3.78	0.77
04.23.2021	23:01:01	S	3432.94	E	417.01	2.8	3.68	130	3.19	35.4	3.8	1.1	18.8	3.75	0.77
04.23.2021	23:02:01	S	3432.96	E	417.27	2.8	3.68	130	3.19	35.4	3.8	1.1	18.7	3.74	0.70
04.23.2021	23:03:01	S	3432.98	E	417.5	2.8	3.68	130	0.00	0.0	0.0	1.1	0.0	3.76	0.72
04.23.2021	23:04:01	S	3432.99	E	417.71	2.8	3.68	130	3.19	35.4	3.9	1.0	18.7	3.75	0.73
04.23.2021	23:05:01	S	3433.01	E	417.92	2.8	3.68	130	3.19	35.4	3.9	1.0	18.7	3.81	0.77
04.23.2021	23:06:01	S	3433.02	E	418.18	2.8	3.68	130	3.19	35.4	3.8	1.0	18.9	3.76	0.73
04.23.2021	23:07:01	S	3433.03	E	418.37	2.8	3.68	130	3.19	35.4	3.8	1.0	18.9	3.78	0.73
04.23.2021	23:08:01	S	3433.04	E	418.65	2.8	3.68	130	3.19	35.4	3.8	1.0	19.0	3.70	0.72
04.23.2021	23:08:55	S	3433.05	E	418.84	2.8	3.68	130	3.19	35.4	3.8	1.0	18.9	3.78	0.77
04.23.2021	23:09:55	S	3433.06	E	419.06	2.8	3.68	130	3.19	35.4	3.9	0.9	18.8	3.73	0.73
04.23.2021	23:10:55	S	3433.08	E	419.32	2.8	3.68	130	3.19	35.4	3.9	0.9	18.8	3.74	0.76
04.23.2021	23:11:55	S	3433.09	E	419.53	2.8	3.68	130	3.19	35.4	3.9	1.0	18.7	3.75	0.72
04.23.2021	23:12:55	S	3433.1	E	419.76	2.8	3.68	130	3.19	35.4	3.8	1.0	18.7	3.72	0.73
04.23.2021	23:13:55	S	3433.11	E	420	2.8	3.68	130	3.19	35.4	3.8	1.0	18.5	3.71	0.72
04.23.2021	23:14:55	S	3433.12	E	420.22	2.8	3.68	130	3.19	35.4	3.9	0.9	18.7	3.74	0.77
04.23.2021	23:15:55	S	3433.13	E	420.47	2.8	3.68	130	3.19	35.4	3.9	0.9	18.7	3.72	0.73
04.23.2021	23:16:55	S	3433.14	E	420.68	2.8	3.68	130	3.19	35.4	3.8	0.9	18.9	3.71	0.75
04.23.2021	23:17:55	S	3433.15	E	420.92	2.8	3.68	130	3.19	35.4	3.9	0.9	18.8	3.77	0.71
04.23.2021	23:19:00	S	3433.16	E	421.14	2.8	3.70	131	3.19	35.4	3.8	0.9	18.8	3.76	0.73
04.23.2021	23:20:00	S	3433.18	E	421.38	2.8	3.70	131	3.19	35.4	3.8	0.9	18.7	3.71	0.76
04.23.2021	23:21:00	S	3433.19	E	421.62	2.8	3.70	131	3.19	35.4	3.8	0.9	18.7	3.74	0.72
04.23.2021	23:22:00	S	3433.2	E	421.82	2.8	3.70	131	3.19	35.4	3.8	0.9	18.9	3.78	0.82
04.23.2021	23:23:00	S	3433.22	E	422.07	2.8	3.70	131	3.19	35.4	3.8	1.0	18.9	3.74	0.79
04.23.2021	23:24:00	S	3433.23	E	422.28	2.8	3.70	131	3.19	35.4	3.8	1.0	18.8	3.74	0.74
04.23.2021	23:25:00	S	3433.24	E	422.54	2.8	3.70	131	3.19	35.4	3.9	1.0	18.7	3.75	0.74
04.23.2021	23:26:00	S	3433.26	E	422.76	2.8	3.70	131	0.00	0.0	0.0	1.0	0.0	3.73	0.76

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087				System Name: PaSOx_smart2.0				Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	IN_WMS_TUR	IN_WMS_COND.	IN_WMS_ALKALINITY	OUT_WMS_pH	OUT_WMS_TEM P.	OUT_WMS_TUR	OUT_WMS_TUR_AVG	OUT_WMS_PAH	NO.1 PUMP DIS. PRESS.	NO.2 PUMP DIS. PRESS.
04.23.2021	23:27:00	S	3433.27	E	423.02	2.8	3.70	131	3.19	35.4	3.8	1.0	18.5	3.72	0.70
04.23.2021	23:28:00	S	3433.28	E	423.22	2.8	3.70	131	3.19	35.4	3.9	0.9	18.7	3.74	0.76
04.23.2021	23:28:53	S	3433.29	E	423.46	2.8	3.70	131	3.19	35.4	3.9	0.9	18.7	3.66	0.72
04.23.2021	23:29:53	S	3433.3	E	423.69	2.8	3.70	131	3.19	35.4	3.9	0.9	18.5	3.66	0.72
04.23.2021	23:30:53	S	3433.32	E	423.92	2.8	3.70	131	3.19	35.4	3.9	0.9	18.4	3.65	0.73
04.23.2021	23:31:53	S	3433.33	E	424.16	2.8	3.70	131	3.19	35.4	3.9	0.9	18.7	3.82	0.77
04.23.2021	23:32:53	S	3433.34	E	424.42	2.8	3.70	131	3.19	35.4	3.9	0.9	18.5	3.76	0.75
04.23.2021	23:33:53	S	3433.35	E	424.64	2.8	3.70	131	3.19	35.4	3.9	0.9	18.3	3.77	0.76
04.23.2021	23:34:53	S	3433.36	E	424.84	2.8	3.70	131	3.19	35.4	4.0	0.9	18.5	3.81	0.77
04.23.2021	23:35:53	S	3433.37	E	425.12	2.8	3.70	131	3.19	35.4	4.0	0.9	18.6	3.72	0.71
04.23.2021	23:36:53	S	3433.39	E	425.34	2.8	3.70	131	3.19	35.4	4.0	0.9	18.6	3.71	0.75
04.23.2021	23:37:53	S	3433.4	E	425.58	2.8	3.70	131	3.19	35.4	3.9	0.9	18.4	3.76	0.74
04.23.2021	23:38:56	S	3433.41	E	425.82	2.8	3.70	131	3.19	35.4	4.0	0.9	18.6	3.73	0.75
04.23.2021	23:39:56	S	3433.42	E	426.03	2.8	3.70	131	3.19	35.4	3.9	0.9	18.5	3.81	0.74
04.23.2021	23:40:56	S	3433.43	E	426.25	2.8	3.70	131	3.19	35.4	3.9	0.9	18.7	3.75	0.75
04.23.2021	23:41:56	S	3433.44	E	426.52	2.8	3.70	131	3.19	35.4	3.9	0.9	18.7	3.79	0.78
04.23.2021	23:42:56	S	3433.45	E	426.75	2.8	3.70	131	3.19	35.4	3.9	0.9	18.4	3.78	0.75
04.23.2021	23:43:56	S	3433.46	E	426.98	2.8	3.70	131	3.19	35.4	3.9	0.9	18.4	3.69	0.74
04.23.2021	23:44:56	S	3433.47	E	427.21	2.8	3.70	131	3.19	35.4	3.9	1.0	18.8	3.63	0.70
04.23.2021	23:45:56	S	3433.48	E	427.47	2.8	3.70	131	3.19	35.4	3.9	1.0	18.8	3.75	0.80
04.23.2021	23:46:56	S	3433.49	E	427.7	2.8	3.70	131	3.19	35.4	3.9	1.0	18.7	3.66	0.78
04.23.2021	23:47:56	S	3433.5	E	427.92	2.8	3.70	131	3.19	35.4	3.8	1.0	18.8	3.77	0.73
04.23.2021	23:48:59	S	3433.52	E	428.19	2.8	3.70	131	3.19	35.4	3.9	1.0	18.7	3.75	0.76
04.23.2021	23:49:59	S	3433.53	E	428.43	2.8	3.70	131	3.19	35.4	3.8	1.0	18.7	3.81	0.79
04.23.2021	23:50:59	S	3433.54	E	428.67	2.8	3.70	131	3.19	35.4	3.8	1.0	18.5	3.77	0.75
04.23.2021	23:51:59	S	3433.56	E	428.9	2.8	3.70	131	3.19	35.4	3.8	1.0	18.8	3.71	0.72
04.23.2021	23:52:59	S	3433.57	E	429.13	2.8	3.70	131	3.19	35.4	3.8	1.0	18.7	3.78	0.76
04.23.2021	23:53:59	S	3433.58	E	429.36	2.8	3.70	131	3.19	35.4	3.8	0.9	18.5	3.71	0.76
04.23.2021	23:54:59	S	3433.59	E	429.59	2.8	3.70	131	3.19	35.4	3.8	0.9	18.5	3.79	0.79
04.23.2021	23:55:59	S	3433.6	E	429.83	2.8	3.70	131	3.19	35.4	3.8	0.9	18.7	3.74	0.72
04.23.2021	23:56:59	S	3433.61	E	430.08	2.8	3.70	131	3.19	35.4	3.8	0.9	18.7	3.82	0.75
04.23.2021	23:57:59	S	3433.63	E	430.31	2.8	3.70	131	3.19	35.4	3.8	0.9	18.5	3.77	0.69
04.23.2021	23:59:00	S	3433.64	E	430.53	2.8	3.70	131	3.19	35.4	3.8	0.9	18.7	3.72	0.76

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DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	00:00:57	S	3419.96	W	116.39	53	54	2	187.17	20.95	51	10.51	0.00	0.15	2.11	
04.23.2021	00:01:57	S	3419.97	W	116.16	55	56	4	187.11	20.93	51	10.51	0.00	0.15	2.06	
04.23.2021	00:02:57	S	3419.97	W	115.93	49	50	1	187.30	20.99	48	10.52	0.00	0.12	2.17	
04.23.2021	00:03:57	S	3419.98	W	115.68	56	57	7	187.24	20.95	48	10.51	0.00	0.13	-0.38	
04.23.2021	00:04:57	S	3419.99	W	115.44	56	55	8	187.22	20.88	47	10.51	0.00	0.10	-0.36	
04.23.2021	00:05:57	S	3419.99	W	115.2	53	54	4	187.41	20.88	47	10.52	0.00	0.15	-0.38	
04.23.2021	00:06:57	S	3420	W	115	58	58	4	187.37	20.89	54	10.50	0.00	0.13	-0.36	
04.23.2021	00:07:57	S	3420.01	W	114.72	54	54	4	187.17	20.80	49	10.50	0.00	0.13	-0.38	
04.23.2021	00:08:56	S	3420.02	W	114.49	50	51	3	187.39	20.88	47	10.52	0.00	0.16	2.19	
04.23.2021	00:09:56	S	3420.02	W	114.28	54	55	1	187.24	20.91	53	10.50	0.00	0.14	2.07	
04.23.2021	00:10:56	S	3420.03	W	114	54	54	8	187.13	20.83	46	10.53	0.00	0.15	2.13	
04.23.2021	00:11:56	S	3420.03	W	113.75	53	55	3	187.13	20.91	50	10.51	0.00	0.16	2.02	
04.23.2021	00:12:56	S	3420.04	W	113.54	57	59	3	186.83	20.86	54	10.52	0.00	0.15	2.21	
04.23.2021	00:13:56	S	3420.05	W	113.3	53	53	4	186.89	20.91	49	10.52	0.00	0.14	2.14	
04.23.2021	00:14:56	S	3420.06	W	113.02	50	53	1	186.61	20.83	50	10.52	0.00	0.14	-0.35	
04.23.2021	00:15:56	S	3420.07	W	112.81	57	58	2	186.48	20.79	55	10.52	0.00	0.13	-0.39	
04.23.2021	00:16:56	S	3420.08	W	112.57	49	50	6	186.39	20.80	44	10.52	0.00	0.14	-0.37	
04.23.2021	00:17:56	S	3420.09	W	112.32	54	56	-2	186.37	20.84	55	10.52	0.00	0.14	-0.35	
04.23.2021	00:18:48	S	3420.09	W	112.09	54	55	2	186.37	20.80	52	10.51	0.00	0.14	-0.38	
04.23.2021	00:19:48	S	3420.1	W	111.83	51	52	3	186.46	20.80	48	10.52	0.00	0.15	2.05	
04.23.2021	00:20:48	S	3420.1	W	111.58	53	55	2	186.61	20.83	51	10.53	0.00	0.15	1.98	
04.23.2021	00:21:48	S	3420.11	W	111.35	57	58	4	186.48	20.79	54	10.52	0.00	0.13	2.02	
04.23.2021	00:22:48	S	3420.11	W	111.13	51	52	5	186.57	20.76	46	10.51	0.00	0.15	2.25	
04.23.2021	00:23:48	S	3420.11	W	110.84	54	56	3	186.89	20.74	51	10.52	0.00	0.13	2.12	
04.23.2021	00:24:48	S	3420.12	W	110.63	59	59	6	186.89	20.74	54	10.50	0.00	0.13	-0.38	
04.23.2021	00:25:48	S	3420.13	W	110.36	51	52	5	187.22	20.84	45	10.52	0.00	0.13	-0.37	
04.23.2021	00:26:48	S	3420.14	W	110.13	53	54	6	187.09	20.79	47	10.52	0.00	0.14	-0.38	
04.23.2021	00:27:48	S	3420.15	W	109.89	52	52	1	187.07	20.73	50	10.52	0.00	0.14	-0.36	
04.23.2021	00:28:48	S	3420.15	W	109.65	50	51	2	187.30	20.78	48	10.51	0.00	0.14	-0.36	
04.23.2021	00:29:48	S	3420.16	W	109.41	54	55	1	187.33	20.76	53	10.51	0.00	0.15	2.11	
04.23.2021	00:30:48	S	3420.17	W	109.16	51	52	2	187.59	20.83	50	10.50	0.00	0.15	2.15	
04.23.2021	00:31:48	S	3420.18	W	108.93	47	49	-2	187.80	20.85	49	10.51	0.00	0.15	1.89	
04.23.2021	00:32:48	S	3420.18	W	108.65	52	53	2	187.59	20.81	50	10.50	0.00	-0.09	1.90	
04.23.2021	00:33:48	S	3420.19	W	108.43	51	51	7	187.89	20.84	44	10.52	0.00	0.14	2.09	
04.23.2021	00:34:48	S	3420.2	W	108.2	51	54	5	187.80	20.81	48	10.51	0.00	0.14	-0.39	
04.23.2021	00:35:48	S	3420.21	W	107.92	56	56	5	187.80	20.83	51	10.52	0.00	0.12	-0.36	
04.23.2021	00:36:48	S	3420.22	W	107.7	50	50	3	187.74	20.83	47	10.52	0.00	0.14	-0.37	
04.23.2021	00:37:48	S	3420.22	W	107.44	51	53	3	187.48	20.78	48	10.52	0.00	0.13	-0.35	

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DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	00:38:52	S	3420.22	W	107.2	57	57	4	187.39	20.83	52	10.51	0.00	0.14	-0.37	
04.23.2021	00:39:52	S	3420.23	W	107	51	53	3	187.17	20.75	49	10.51	0.00	0.16	-0.36	
04.23.2021	00:40:52	S	3420.24	W	106.73	55	57	5	187.09	20.80	50	10.51	0.00	0.14	2.00	
04.23.2021	00:41:52	S	3420.25	W	106.49	53	54	3	186.76	20.80	50	10.51	0.00	0.15	2.07	
04.23.2021	00:42:52	S	3420.26	W	106.25	47	48	2	186.76	20.81	46	10.51	0.00	0.15	2.15	
04.23.2021	00:43:52	S	3420.27	W	106	49	50	3	186.70	20.84	46	10.50	0.00	0.17	2.09	
04.23.2021	00:44:52	S	3420.27	W	105.74	51	52	6	186.68	20.86	45	10.51	0.00	0.15	1.89	
04.23.2021	00:45:52	S	3420.27	W	105.53	45	46	1	186.76	20.86	44	10.53	0.00	0.12	-0.36	
04.23.2021	00:46:52	S	3420.28	W	105.27	51	52	-2	186.59	20.81	52	10.52	0.00	0.12	-0.39	
04.23.2021	00:47:52	S	3420.28	W	105.04	49	49	5	186.76	20.84	44	10.51	0.00	0.13	-0.37	
04.23.2021	00:48:56	S	3420.28	W	104.81	46	47	0	187.00	20.93	46	10.52	0.00	0.16	0.03	
04.23.2021	00:49:56	S	3420.28	W	104.58	51	52	-1	186.89	20.88	52	10.52	0.00	0.17	-0.37	
04.23.2021	00:50:56	S	3420.29	W	104.31	49	49	-0	186.70	20.80	49	10.52	0.00	0.16	2.10	
04.23.2021	00:51:56	S	3420.29	W	104.08	48	49	1	186.72	20.81	47	10.51	0.00	0.17	2.08	
04.23.2021	00:52:56	S	3420.3	W	103.83	50	51	1	186.65	20.76	49	10.50	0.00	0.16	2.06	
04.23.2021	00:53:56	S	3420.31	W	103.61	50	50	9	186.91	20.79	40	10.51	0.00	0.16	2.25	
04.23.2021	00:54:56	S	3420.31	W	103.36	50	51	2	186.98	20.86	46	10.52	0.00	0.15	2.08	
04.23.2021	00:55:56	S	3420.31	W	103.13	53	54	4	186.96	20.84	48	10.52	0.00	0.13	-0.36	
04.23.2021	00:56:56	S	3420.32	W	102.88	49	49	3	186.96	20.86	45	10.52	0.00	0.14	-0.37	
04.23.2021	00:57:56	S	3420.32	W	102.66	53	54	0	186.78	20.84	52	10.38	0.00	0.13	-0.38	
04.23.2021	00:58:52	S	3420.33	W	102.39	54	54	5	186.72	20.81	49	10.51	0.00	0.15	-0.37	
04.23.2021	00:59:52	S	3420.34	W	102.14	47	49	1	186.70	20.83	47	10.53	0.00	0.13	-0.37	
04.23.2021	01:00:52	S	3420.34	W	101.91	55	57	1	186.72	20.88	54	10.52	0.00	0.16	2.13	
04.23.2021	01:01:52	S	3420.34	W	101.7	55	55	2	186.48	20.85	53	10.50	0.00	0.16	2.18	
04.23.2021	01:02:52	S	3420.35	W	101.46	49	50	4	186.20	20.83	45	10.51	0.00	0.17	1.95	
04.23.2021	01:03:52	S	3420.35	W	101.21	56	57	8	186.09	20.89	49	10.52	0.00	0.15	2.17	
04.23.2021	01:04:52	S	3420.36	W	100.93	55	56	5	186.46	20.90	50	10.52	0.00	0.15	2.25	
04.23.2021	01:05:52	S	3420.37	W	100.71	50	51	4	186.35	20.84	46	10.51	0.00	0.12	-0.36	
04.23.2021	01:06:52	S	3420.38	W	100.47	49	52	1	186.61	20.88	49	10.50	0.00	0.13	-0.37	
04.23.2021	01:07:52	S	3420.39	W	100.24	58	59	3	186.57	20.78	55	10.50	0.00	0.14	-0.37	
04.23.2021	01:08:48	S	3420.41	W	59.98	48	51	5	186.87	20.90	44	10.52	0.00	0.13	-0.37	
04.23.2021	01:09:48	S	3420.42	W	59.76	56	57	-1	186.83	20.84	57	10.51	0.00	0.12	-0.37	
04.23.2021	01:10:48	S	3420.42	W	59.49	58	58	5	186.89	20.83	53	10.51	0.00	0.16	-0.36	
04.23.2021	01:11:48	S	3420.43	W	59.27	50	51	3	187.09	20.85	47	10.51	0.00	0.15	1.96	
04.23.2021	01:12:48	S	3420.43	W	59	55	56	3	187.24	20.86	52	10.51	0.00	0.15	2.10	
04.23.2021	01:13:48	S	3420.44	W	58.8	54	55	8	187.43	20.89	45	10.52	0.00	0.15	2.35	
04.23.2021	01:14:48	S	3420.45	W	58.55	51	52	2	187.39	20.84	48	10.51	0.00	0.14	2.14	
04.23.2021	01:15:48	S	3420.46	W	58.3	55	56	6	187.72	20.93	49	10.51	0.00	0.16	2.23	

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DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	01:16:48	S	3420.47	W	58.03	50	51	3	187.39	20.80	47	10.51	0.00	0.13	-0.39	
04.23.2021	01:17:48	S	3420.47	W	57.79	47	49	2	187.65	20.84	45	10.51	0.00	0.13	-0.36	
04.23.2021	01:18:51	S	3420.48	W	57.54	54	55	3	187.52	20.78	51	10.51	0.00	0.12	-0.37	
04.23.2021	01:19:51	S	3420.49	W	57.34	49	50	-0	187.72	20.86	49	10.52	0.00	0.14	-0.34	
04.23.2021	01:20:51	S	3420.5	W	57.06	53	55	-2	187.80	20.86	55	10.52	0.00	0.13	-0.38	
04.23.2021	01:21:51	S	3420.51	W	56.81	57	58	2	187.72	20.83	56	10.50	0.00	0.15	2.09	
04.23.2021	01:22:51	S	3420.53	W	56.58	50	51	0	187.43	20.86	50	10.51	0.00	0.16	2.10	
04.23.2021	01:23:51	S	3420.54	W	56.34	58	59	5	187.39	20.91	53	10.57	0.00	0.15	2.11	
04.23.2021	01:24:51	S	3420.56	W	56.09	56	57	4	187.00	20.80	52	10.51	0.00	0.16	2.30	
04.23.2021	01:25:51	S	3420.58	W	55.84	50	51	3	186.89	20.83	45	10.52	0.00	0.16	2.13	
04.23.2021	01:26:51	S	3420.59	W	55.63	53	55	1	186.78	20.84	52	10.51	0.00	0.13	-0.37	
04.23.2021	01:27:51	S	3420.61	W	55.36	54	55	5	186.72	20.89	49	10.52	0.00	0.14	-0.35	
04.23.2021	01:28:54	S	3420.62	W	55.13	52	53	5	186.46	20.85	47	10.50	0.00	0.13	-0.37	
04.23.2021	01:29:54	S	3420.63	W	54.89	55	55	4	186.55	20.86	51	10.51	0.00	0.13	-0.37	
04.23.2021	01:30:54	S	3420.64	W	54.63	54	54	1	186.50	20.87	53	10.51	0.00	0.14	-0.36	
04.23.2021	01:31:54	S	3420.66	W	54.37	49	51	0	186.46	20.84	49	10.51	0.00	0.14	1.98	
04.23.2021	01:32:54	S	3420.67	W	54.17	55	57	2	186.41	20.86	53	10.50	0.00	0.16	2.06	
04.23.2021	01:33:54	S	3420.69	W	53.88	51	51	4	186.48	20.93	47	10.51	0.00	0.16	2.11	
04.23.2021	01:34:54	S	3420.7	W	53.65	49	51	3	186.59	20.93	46	10.51	0.00	0.14	2.09	
04.23.2021	01:35:54	S	3420.71	W	53.41	56	58	5	186.61	20.91	52	10.52	0.00	0.16	2.20	
04.23.2021	01:36:54	S	3420.72	W	53.17	49	50	6	186.72	20.93	43	10.51	0.00	0.14	2.17	
04.23.2021	01:37:54	S	3420.74	W	52.93	50	52	3	186.98	20.97	47	10.51	0.00	0.13	-0.37	
04.23.2021	01:38:48	S	3420.75	W	52.66	55	55	5	187.09	21.03	50	10.51	0.00	0.13	-0.37	
04.23.2021	01:39:48	S	3420.77	W	52.41	51	51	4	187.20	21.05	47	10.51	0.00	0.13	-0.38	
04.23.2021	01:40:48	S	3420.79	W	52.15	52	53	-1	187.09	21.01	53	10.52	0.00	0.12	-0.37	
04.23.2021	01:41:48	S	3420.8	W	51.93	53	53	4	187.30	20.98	48	10.50	0.00	0.13	-0.37	
04.23.2021	01:42:48	S	3420.82	W	51.67	45	45	-0	187.33	21.01	45	10.52	0.00	0.15	2.12	
04.23.2021	01:43:48	S	3420.83	W	51.41	49	50	-3	187.52	21.04	52	10.51	0.00	0.15	1.87	
04.23.2021	01:44:48	S	3420.85	W	51.15	54	54	4	187.24	20.99	49	10.56	0.00	0.15	1.95	
04.23.2021	01:45:48	S	3420.86	W	50.91	48	49	4	187.02	20.91	44	10.52	0.00	0.16	2.18	
04.23.2021	01:46:48	S	3420.87	W	50.75	56	57	5	187.02	20.95	49	10.53	0.00	0.15	2.23	
04.23.2021	01:47:48	S	3420.87	W	50.75	52	53	5	186.89	20.96	47	10.51	0.00	0.12	-0.38	
04.23.2021	01:48:54	S	3420.9	W	50.21	48	49	3	186.87	21.03	46	10.51	0.00	0.13	-0.37	
04.23.2021	01:49:54	S	3420.92	W	49.95	54	54	2	186.87	21.00	51	10.51	0.00	0.13	-0.38	
04.23.2021	01:50:54	S	3420.93	W	49.69	52	54	2	186.83	20.98	52	10.51	0.00	0.11	-0.37	
04.23.2021	01:51:54	S	3420.94	W	49.43	52	54	4	186.78	20.96	49	10.52	0.00	0.14	-0.38	
04.23.2021	01:52:54	S	3420.96	W	49.22	53	54	-1	186.81	20.96	54	10.50	0.00	0.15	2.28	
04.23.2021	01:53:54	S	3420.97	W	48.96	53	53	0	186.91	20.98	52	10.52	0.00	0.15	2.27	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	01:54:54	S	3420.99	W	48.71	52	55	1	186.91	21.00	53	10.51	0.00	0.15	2.32	
04.23.2021	01:55:54	S	3421	W	48.45	57	58	1	187.13	21.01	57	10.51	0.00	0.15	2.26	
04.23.2021	01:56:54	S	3421.02	W	48.21	53	52	7	187.17	20.99	45	10.51	0.00	0.15	2.23	
04.23.2021	01:57:54	S	3421.04	W	47.97	55	57	3	187.02	20.91	53	10.50	0.00	0.13	-0.37	
04.23.2021	01:58:56	S	3421.05	W	47.72	55	56	4	187.33	20.93	51	10.50	0.00	0.12	-0.40	
04.23.2021	01:59:56	S	3421.06	W	47.45	51	51	1	187.59	21.00	49	10.51	0.00	0.13	-0.35	
04.23.2021	02:00:56	S	3421.07	W	47.21	52	54	-1	187.39	20.93	53	10.51	0.00	0.13	-0.36	
04.23.2021	02:01:56	S	3421.09	W	46.98	55	56	3	187.37	20.85	53	10.51	0.00	0.14	-0.37	
04.23.2021	02:02:56	S	3421.1	W	46.72	51	52	1	187.76	20.95	50	10.52	0.00	0.14	-0.36	
04.23.2021	02:03:56	S	3421.11	W	46.48	56	57	2	187.80	20.91	53	10.51	0.00	0.16	1.96	
04.23.2021	02:04:56	S	3421.13	W	46.21	52	53	6	187.80	20.93	46	10.52	0.00	0.15	2.17	
04.23.2021	02:05:56	S	3421.14	W	45.95	49	50	5	187.80	20.93	44	10.51	0.00	0.15	2.02	
04.23.2021	02:06:56	S	3421.15	W	45.72	52	53	3	187.70	20.90	48	10.51	0.00	0.15	2.22	
04.23.2021	02:07:56	S	3421.16	W	45.47	51	52	4	187.65	20.88	47	10.51	0.00	0.15	2.06	
04.23.2021	02:08:50	S	3421.17	W	45.22	46	47	-0	187.41	20.84	46	10.53	0.00	0.14	-0.37	
04.23.2021	02:09:50	S	3421.18	W	44.94	54	55	0	187.48	20.96	54	10.52	0.00	0.14	-0.35	
04.23.2021	02:10:50	S	3421.19	W	44.7	52	52	2	187.20	20.89	49	10.51	0.00	0.13	-0.39	
04.23.2021	02:11:50	S	3421.2	W	44.47	49	50	-0	186.81	20.86	49	10.51	0.00	0.13	-0.37	
04.23.2021	02:12:50	S	3421.21	W	44.2	52	52	0	186.72	20.85	50	10.52	0.00	0.15	-0.36	
04.23.2021	02:13:50	S	3421.23	W	43.95	50	50	4	186.72	20.93	47	10.51	0.00	0.15	2.32	
04.23.2021	02:14:50	S	3421.24	W	43.67	47	49	3	186.65	20.93	44	10.51	0.00	0.16	2.23	
04.23.2021	02:15:50	S	3421.25	W	43.44	55	56	6	186.57	20.94	48	10.53	0.00	0.15	2.21	
04.23.2021	02:16:50	S	3421.26	W	43.17	48	48	4	186.46	20.88	44	10.51	0.00	0.15	2.23	
04.23.2021	02:17:50	S	3421.27	W	42.92	52	54	-1	186.46	20.87	53	10.50	0.00	0.15	2.26	
04.23.2021	02:18:53	S	3421.28	W	42.68	53	54	5	186.70	20.95	49	10.51	0.00	0.13	-0.38	
04.23.2021	02:19:53	S	3421.29	W	42.41	49	50	1	186.59	20.91	47	10.52	0.00	0.14	-0.37	
04.23.2021	02:20:53	S	3421.29	W	42.17	52	54	-1	186.65	20.91	54	10.51	0.00	0.14	-0.37	
04.23.2021	02:21:53	S	3421.29	W	41.91	53	54	2	186.98	20.93	51	10.49	0.00	0.12	-0.36	
04.23.2021	02:22:53	S	3421.3	W	41.64	49	50	6	186.98	20.91	43	10.51	0.00	0.14	-0.36	
04.23.2021	02:23:53	S	3421.31	W	41.46	53	54	5	186.89	20.88	48	10.52	0.00	0.13	2.23	
04.23.2021	02:24:53	S	3421.31	W	41.46	51	51	4	187.20	20.96	47	10.52	0.00	0.16	2.24	
04.23.2021	02:25:53	S	3421.32	W	40.87	49	50	5	187.07	20.93	44	10.50	0.00	0.16	2.19	
04.23.2021	02:26:53	S	3421.33	W	40.63	51	52	3	186.98	20.88	49	10.52	0.00	0.15	2.21	
04.23.2021	02:27:53	S	3421.33	W	40.39	53	53	7	187.13	20.89	46	10.51	0.00	0.15	2.29	
04.23.2021	02:28:50	S	3421.34	W	40.13	49	49	-0	187.20	20.91	49	10.52	0.00	0.16	2.32	
04.23.2021	02:29:50	S	3421.34	W	39.85	53	54	1	187.41	20.96	52	10.50	0.00	0.13	-0.39	
04.23.2021	02:30:50	S	3421.34	W	39.64	51	51	4	187.07	20.89	46	10.49	0.00	0.11	-0.38	
04.23.2021	02:31:50	S	3421.35	W	39.37	48	50	-1	187.20	20.95	49	10.51	0.00	0.13	-0.37	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	02:32:50	S	3421.35	W	39.14	56	56	4	187.17	20.94	52	10.51	0.00	0.14	-0.38	
04.23.2021	02:33:50	S	3421.37	W	38.84	48	48	5	187.11	20.99	43	10.50	0.00	0.13	-0.39	
04.23.2021	02:34:50	S	3421.37	W	38.61	49	51	1	186.91	20.96	47	10.53	0.00	0.15	2.16	
04.23.2021	02:35:50	S	3421.37	W	38.35	51	53	1	186.96	21.01	52	10.51	0.00	0.18	2.06	
04.23.2021	02:36:50	S	3421.38	W	38.14	50	50	2	186.65	20.93	49	10.56	0.00	0.14	2.15	
04.23.2021	02:37:50	S	3421.38	W	37.88	56	57	2	186.59	20.91	54	10.52	0.00	0.16	2.40	
04.23.2021	02:38:49	S	3421.39	W	37.6	58	58	4	186.98	20.98	54	10.50	0.00	0.15	2.29	
04.23.2021	02:39:49	S	3421.4	W	37.35	47	49	2	187.11	21.04	47	10.51	0.00	0.13	-0.37	
04.23.2021	02:40:49	S	3421.4	W	37.13	51	53	0	186.98	20.93	52	10.51	0.00	0.12	-0.38	
04.23.2021	02:41:49	S	3421.41	W	36.87	53	55	5	187.07	20.95	49	10.51	0.00	0.11	-0.38	
04.23.2021	02:42:49	S	3421.41	W	36.61	47	47	4	187.24	21.00	43	10.50	0.00	0.13	-0.36	
04.23.2021	02:43:49	S	3421.42	W	36.35	52	54	4	187.07	20.93	48	10.50	0.00	0.13	-0.37	
04.23.2021	02:44:49	S	3421.43	W	36.12	51	52	3	187.13	20.95	49	10.51	0.00	0.13	2.06	
04.23.2021	02:45:49	S	3421.43	W	35.85	49	50	2	186.98	20.86	47	10.51	0.00	0.15	2.16	
04.23.2021	02:46:49	S	3421.43	W	35.63	53	54	1	187.20	20.94	52	10.51	0.00	0.15	1.98	
04.23.2021	02:47:49	S	3421.43	W	35.4	55	55	5	187.41	20.91	50	10.51	0.00	0.13	2.18	
04.23.2021	02:48:49	S	3421.43	W	35.12	49	50	-1	187.72	20.91	49	10.51	0.00	0.15	2.26	
04.23.2021	02:49:49	S	3421.44	W	34.91	58	58	2	187.63	20.83	56	10.50	0.00	0.16	-0.37	
04.23.2021	02:50:49	S	3421.44	W	34.65	50	51	1	187.76	20.87	49	10.51	0.00	0.13	-0.37	
04.23.2021	02:51:49	S	3421.45	W	34.39	47	48	1	187.72	20.85	46	10.52	0.00	0.14	-0.37	
04.23.2021	02:52:49	S	3421.46	W	34.15	50	51	4	187.70	20.87	46	10.50	0.00	0.13	-0.40	
04.23.2021	02:53:49	S	3421.46	W	33.86	50	50	10	187.63	20.80	40	10.51	0.00	0.13	-0.36	
04.23.2021	02:54:49	S	3421.46	W	33.63	52	54	4	187.76	20.86	48	10.51	0.00	0.12	-0.36	
04.23.2021	02:55:49	S	3421.47	W	33.38	58	59	5	187.80	20.88	53	10.51	0.00	0.15	1.98	
04.23.2021	02:56:49	S	3421.49	W	33.11	51	52	2	187.61	20.84	50	10.52	0.00	0.15	2.30	
04.23.2021	02:57:49	S	3421.5	W	32.87	54	56	-0	187.52	20.89	55	10.35	0.00	0.12	2.43	
04.23.2021	02:58:56	S	3421.51	W	32.63	54	54	1	187.37	20.83	53	10.52	0.00	0.15	2.39	
04.23.2021	02:59:56	S	3421.52	W	32.4	48	49	3	187.24	20.88	45	10.51	0.00	0.15	2.37	
04.23.2021	03:00:56	S	3421.52	W	32.14	60	61	9	187.30	20.93	51	10.52	0.00	0.14	-0.39	
04.23.2021	03:01:56	S	3421.53	W	31.91	55	57	4	187.02	20.86	52	10.51	0.00	0.14	-0.37	
04.23.2021	03:02:56	S	3421.54	W	31.64	52	53	6	186.78	20.85	47	10.51	0.00	0.13	-0.36	
04.23.2021	03:03:56	S	3421.55	W	31.4	52	52	-0	186.70	20.87	52	10.52	0.00	0.12	-0.39	
04.23.2021	03:04:56	S	3421.57	W	31.14	52	52	4	186.68	20.87	47	10.50	0.00	0.13	-0.40	
04.23.2021	03:05:56	S	3421.58	W	30.94	48	49	5	186.57	20.86	43	10.51	0.00	0.13	2.29	
04.23.2021	03:06:56	S	3421.59	W	30.64	54	54	1	186.28	20.75	52	10.51	0.00	0.16	2.29	
04.23.2021	03:07:56	S	3421.59	W	30.41	50	52	2	186.70	20.87	50	10.51	0.00	0.15	2.23	
04.23.2021	03:08:48	S	3421.6	W	30.18	51	53	0	186.98	20.91	51	10.51	0.00	0.15	2.29	
04.23.2021	03:09:48	S	3421.62	W	29.91	54	55	0	186.91	20.93	54	10.51	0.00	0.15	2.18	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	03:10:48	S	3421.63	W	29.66	51	51	7	186.78	20.86	43	10.51	0.00	0.16	-0.35	
04.23.2021	03:11:48	S	3421.65	W	29.41	49	50	1	186.78	20.84	49	10.52	0.00	0.14	-0.39	
04.23.2021	03:12:48	S	3421.67	W	29.19	59	59	8	186.91	20.86	50	10.51	0.00	0.13	-0.38	
04.23.2021	03:13:48	S	3421.68	W	28.93	50	51	7	187.02	20.93	43	10.50	0.00	0.13	-0.36	
04.23.2021	03:14:48	S	3421.69	W	28.69	51	53	0	186.81	20.80	51	10.51	0.00	0.14	-0.35	
04.23.2021	03:15:48	S	3421.7	W	28.44	59	59	4	187.07	20.84	55	10.50	0.00	0.01	2.22	
04.23.2021	03:16:48	S	3421.71	W	28.18	54	54	3	187.43	20.91	50	10.51	0.00	0.14	2.28	
04.23.2021	03:17:48	S	3421.73	W	27.94	53	54	-1	187.59	20.87	53	10.50	0.00	0.15	2.35	
04.23.2021	03:18:49	S	3421.74	W	27.7	57	58	4	187.54	20.84	53	10.51	0.00	0.14	2.31	
04.23.2021	03:19:49	S	3421.74	W	27.65	51	52	4	188.04	20.94	47	10.52	0.00	0.14	2.28	
04.23.2021	03:20:49	S	3421.76	W	27.21	51	53	-0	187.80	20.84	52	10.51	0.00	0.16	2.00	
04.23.2021	03:21:49	S	3421.78	W	26.96	56	57	5	187.76	20.80	51	10.51	0.00	0.14	-0.46	
04.23.2021	03:22:49	S	3421.79	W	26.72	49	51	5	188.22	20.93	45	10.50	0.00	0.13	-0.34	
04.23.2021	03:23:49	S	3421.81	W	26.46	55	56	7	188.00	20.85	48	10.52	0.00	0.13	-0.39	
04.23.2021	03:24:49	S	3421.83	W	26.2	56	56	9	187.80	20.83	49	10.52	0.00	0.15	2.28	
04.23.2021	03:25:49	S	3421.84	W	25.95	52	53	5	187.74	20.81	44	10.38	0.00	0.15	-0.40	
04.23.2021	03:26:49	S	3421.86	W	25.74	56	55	3	187.76	20.81	50	10.51	0.00	0.15	-0.38	
04.23.2021	03:27:49	S	3421.87	W	25.48	54	54	5	187.61	20.83	49	10.52	0.00	0.15	-0.35	
04.23.2021	03:28:50	S	3421.89	W	25.23	51	51	4	187.48	20.80	46	10.51	0.00	0.13	-0.38	
04.23.2021	03:29:49	S	3421.9	W	24.99	55	57	-0	187.50	20.84	56	10.50	0.00	0.16	2.20	
04.23.2021	03:30:49	S	3421.91	W	24.75	57	58	6	187.37	20.85	51	10.51	0.00	0.15	2.39	
04.23.2021	03:31:49	S	3421.93	W	24.49	53	55	5	187.30	20.83	49	10.51	0.00	0.16	-0.39	
04.23.2021	03:32:49	S	3421.95	W	24.24	56	57	7	187.30	20.80	49	10.51	0.00	0.12	-0.37	
04.23.2021	03:33:49	S	3421.97	W	24	55	56	7	187.43	20.84	48	10.50	0.00	0.13	-0.39	
04.23.2021	03:34:49	S	3421.99	W	23.74	49	51	5	187.33	20.81	44	10.52	0.00	0.13	-0.37	
04.23.2021	03:35:49	S	3422	W	23.46	54	55	7	187.11	20.80	47	10.51	0.00	0.13	-0.37	
04.23.2021	03:36:49	S	3422.02	W	23.21	50	50	5	187.17	20.83	45	10.35	0.00	0.13	2.33	
04.23.2021	03:37:49	S	3422.03	W	23	54	55	0	187.39	20.83	54	10.51	0.00	0.15	2.37	
04.23.2021	03:38:48	S	3422.05	W	22.73	56	57	6	187.41	20.85	50	10.51	0.00	0.17	2.32	
04.23.2021	03:39:48	S	3422.07	W	22.47	56	56	6	187.39	20.83	50	10.51	0.00	0.13	-0.36	
04.23.2021	03:40:48	S	3422.09	W	22.23	54	56	4	187.50	20.83	50	10.51	0.00	0.13	2.31	
04.23.2021	03:41:48	S	3422.1	W	21.99	57	59	6	187.59	20.88	52	10.51	0.00	0.14	2.21	
04.23.2021	03:42:48	S	3422.12	W	21.77	52	54	8	187.61	20.83	45	10.51	0.00	0.15	2.20	
04.23.2021	03:43:48	S	3422.13	W	21.5	59	56	5	187.76	20.87	49	10.51	0.00	0.17	2.12	
04.23.2021	03:44:48	S	3422.15	W	21.24	56	58	8	187.83	20.84	49	10.52	0.00	0.16	2.17	
04.23.2021	03:45:48	S	3422.16	W	21	51	52	6	188.00	20.87	45	10.52	0.00	0.15	2.23	
04.23.2021	03:46:48	S	3422.18	W	20.76	54	55	2	187.96	20.87	52	10.52	0.00	0.14	-0.37	
04.23.2021	03:47:48	S	3422.19	W	20.49	56	56	7	187.85	20.83	49	10.52	0.00	0.13	-0.38	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	03:48:54	S	3422.21	W	20.25	52	53	4	187.89	20.84	48	10.52	0.00	0.13	-0.39	
04.23.2021	03:49:54	S	3422.22	W	20	55	57	2	187.76	20.83	53	10.51	0.00	0.12	-0.36	
04.23.2021	03:50:54	S	3422.23	W	19.76	54	55	2	187.48	20.81	51	10.52	0.00	0.14	-0.37	
04.23.2021	03:51:54	S	3422.24	W	19.55	51	52	4	187.76	20.89	47	10.51	0.00	0.14	2.17	
04.23.2021	03:52:54	S	3422.25	W	19.29	58	60	6	187.50	20.83	52	10.51	0.00	0.15	2.30	
04.23.2021	03:53:54	S	3422.27	W	19.06	55	56	7	187.54	20.88	48	10.51	0.00	0.14	2.18	
04.23.2021	03:54:54	S	3422.28	W	18.83	49	50	4	186.96	20.76	45	10.51	0.00	0.14	2.28	
04.23.2021	03:55:54	S	3422.29	W	18.55	55	55	5	186.87	20.80	50	10.52	0.00	0.16	2.17	
04.23.2021	03:56:54	S	3422.3	W	18.31	54	54	6	186.96	20.81	48	10.50	0.00	0.13	-0.36	
04.23.2021	03:57:54	S	3422.31	W	18.05	49	50	3	186.91	20.79	46	10.50	0.00	0.17	-0.38	
04.23.2021	03:58:57	S	3422.31	W	17.84	57	58	6	186.96	20.79	51	10.51	0.00	0.12	-0.37	
04.23.2021	03:59:57	S	3422.31	W	17.59	53	54	4	187.09	20.79	49	10.51	0.00	0.11	-0.37	
04.23.2021	04:00:57	S	3422.32	W	17.32	52	54	3	187.37	20.87	50	10.51	0.00	0.13	-0.36	
04.23.2021	04:01:57	S	3422.32	W	17.1	59	60	5	187.22	20.78	54	10.51	0.00	0.26	-0.36	
04.23.2021	04:02:57	S	3422.33	W	16.83	52	53	7	187.41	20.84	45	10.51	0.00	0.16	2.11	
04.23.2021	04:03:57	S	3422.33	W	16.6	55	57	7	187.48	20.88	48	10.51	0.00	0.15	2.20	
04.23.2021	04:04:57	S	3422.33	W	16.38	61	55	8	187.41	20.83	53	10.52	0.00	0.14	2.24	
04.23.2021	04:05:57	S	3422.33	W	16.1	54	54	7	187.48	20.81	47	10.49	0.00	0.15	2.21	
04.23.2021	04:06:57	S	3422.33	W	15.9	56	59	3	187.59	20.85	55	10.50	0.00	0.16	2.27	
04.23.2021	04:07:57	S	3422.33	W	15.66	58	59	5	187.70	20.80	54	10.50	0.00	0.14	-0.38	
04.23.2021	04:08:49	S	3422.33	W	15.41	51	53	4	187.65	20.81	49	10.51	0.00	0.12	-0.38	
04.23.2021	04:09:49	S	3422.34	W	15.15	55	57	1	187.83	20.87	54	10.53	0.00	0.15	-0.29	
04.23.2021	04:10:49	S	3422.34	W	14.9	56	57	4	187.72	20.80	52	10.50	0.00	0.14	-0.37	
04.23.2021	04:11:49	S	3422.34	W	14.66	50	52	6	187.61	20.75	44	10.51	0.00	0.13	-0.36	
04.23.2021	04:12:49	S	3422.34	W	14.43	56	58	6	187.80	20.80	50	10.50	0.00	0.12	2.31	
04.23.2021	04:13:49	S	3422.34	W	14.16	54	55	8	187.76	20.75	47	10.52	0.00	0.15	2.43	
04.23.2021	04:14:49	S	3422.35	W	13.95	51	52	6	187.80	20.78	45	10.52	0.00	0.15	2.26	
04.23.2021	04:15:49	S	3422.35	W	13.69	54	55	7	188.04	20.83	46	10.51	0.00	0.18	2.26	
04.23.2021	04:16:49	S	3422.35	W	13.45	57	57	4	188.22	20.86	53	10.52	0.00	0.15	2.26	
04.23.2021	04:17:49	S	3422.35	W	13.19	53	54	4	187.89	20.77	48	10.52	0.00	0.14	-0.36	
04.23.2021	04:18:53	S	3422.35	W	12.96	54	56	3	187.76	20.80	52	10.52	0.00	0.14	-0.38	
04.23.2021	04:19:53	S	3422.35	W	12.71	52	53	5	187.52	20.79	47	10.50	0.00	0.13	-0.39	
04.23.2021	04:20:53	S	3422.35	W	12.48	52	55	5	187.63	20.79	46	10.52	0.00	0.13	-0.36	
04.23.2021	04:21:53	S	3422.35	W	12.25	57	58	10	187.70	20.84	47	10.51	0.00	0.13	-0.36	
04.23.2021	04:22:53	S	3422.35	W	12.02	54	54	10	187.24	20.76	44	10.52	0.00	0.12	2.33	
04.23.2021	04:23:53	S	3422.36	W	11.77	54	56	4	187.07	20.77	50	10.50	0.00	0.13	2.38	
04.23.2021	04:24:53	S	3422.36	W	11.49	57	58	7	187.09	20.84	49	10.52	0.00	0.15	2.39	
04.23.2021	04:25:53	S	3422.37	W	11.26	54	55	6	186.96	20.83	48	10.53	0.00	0.15	2.46	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	04:26:53	S	3422.38	W	11.04	53	55	3	186.70	20.79	49	10.52	0.00	0.18	2.38	
04.23.2021	04:27:53	S	3422.38	W	10.75	56	57	6	186.65	20.83	50	10.50	0.00	0.14	2.42	
04.23.2021	04:28:52	S	3422.39	W	10.52	51	51	5	186.68	20.85	46	10.51	0.00	0.15	-0.37	
04.23.2021	04:29:52	S	3422.39	W	10.29	53	54	4	186.72	20.85	48	10.52	0.00	0.13	-0.36	
04.23.2021	04:30:52	S	3422.39	W	10.05	56	57	6	186.70	20.84	49	10.51	0.00	0.14	-0.37	
04.23.2021	04:31:52	S	3422.39	W	9.78	51	51	6	186.61	20.81	44	10.50	0.00	0.13	-0.35	
04.23.2021	04:32:52	S	3422.39	W	9.54	54	57	9	186.68	20.86	46	10.52	0.00	0.14	-0.35	
04.23.2021	04:33:52	S	3422.39	W	9.32	57	58	8	186.50	20.79	49	10.51	0.00	0.14	2.28	
04.23.2021	04:34:52	S	3422.4	W	9.06	51	53	7	186.76	20.85	44	10.52	0.00	0.13	2.21	
04.23.2021	04:35:52	S	3422.41	W	8.79	59	60	8	186.78	20.87	51	10.52	0.00	0.15	2.20	
04.23.2021	04:36:52	S	3422.42	W	8.53	56	56	4	186.57	20.79	51	10.52	0.00	0.15	2.26	
04.23.2021	04:37:52	S	3422.44	W	8.3	52	53	3	186.81	20.89	49	10.52	0.00	0.14	2.37	
04.23.2021	04:38:52	S	3422.45	W	8.07	55	57	6	186.70	20.86	50	10.51	0.00	0.15	-0.36	
04.23.2021	04:39:52	S	3422.46	W	7.82	58	59	4	186.98	20.88	54	10.51	0.00	-0.01	-0.37	
04.23.2021	04:40:52	S	3422.47	W	7.56	52	54	3	187.07	20.89	50	10.52	0.00	0.14	-0.35	
04.23.2021	04:41:52	S	3422.48	W	7.35	58	60	4	187.09	20.88	54	10.52	0.00	0.15	-0.37	
04.23.2021	04:42:52	S	3422.5	W	7.09	54	55	4	187.09	20.80	49	10.52	0.00	0.14	-0.38	
04.23.2021	04:43:52	S	3422.5	W	6.86	55	57	4	187.50	20.89	52	10.51	0.00	0.13	2.40	
04.23.2021	04:44:52	S	3422.52	W	6.59	59	60	8	187.70	20.89	51	10.51	0.00	0.13	2.20	
04.23.2021	04:45:52	S	3422.53	W	6.36	53	54	4	187.63	20.84	49	10.50	0.00	0.14	2.31	
04.23.2021	04:46:52	S	3422.55	W	6.08	51	52	3	187.83	20.87	48	10.50	0.00	0.15	2.27	
04.23.2021	04:47:52	S	3422.56	W	5.86	57	57	5	187.76	20.85	51	10.51	0.00	0.15	2.26	
04.23.2021	04:48:49	S	3422.58	W	5.6	55	56	4	187.72	20.83	51	10.52	0.00	0.15	-0.36	
04.23.2021	04:49:49	S	3422.59	W	5.34	57	58	-1	187.52	20.78	57	10.51	0.00	0.15	-0.39	
04.23.2021	04:50:49	S	3422.6	W	5.07	56	57	4	187.52	20.90	53	10.52	0.00	0.13	-0.38	
04.23.2021	04:51:49	S	3422.62	W	4.83	50	51	1	187.02	20.85	48	10.51	0.00	0.14	-0.37	
04.23.2021	04:52:49	S	3422.63	W	4.6	52	54	0	186.91	20.84	53	10.51	0.00	0.14	-0.35	
04.23.2021	04:53:49	S	3422.64	W	4.3	53	53	2	186.89	20.85	51	10.51	0.00	0.15	-0.39	
04.23.2021	04:54:49	S	3422.65	W	4.08	51	52	6	187.02	20.88	46	10.51	0.00	0.15	2.43	
04.23.2021	04:55:49	S	3422.66	W	3.81	54	56	5	187.20	20.97	50	10.52	0.00	0.15	2.41	
04.23.2021	04:56:49	S	3422.67	W	3.57	53	54	2	186.78	20.90	51	10.51	0.00	0.17	2.41	
04.23.2021	04:57:49	S	3422.68	W	3.32	53	54	2	186.98	20.93	51	10.52	0.00	0.15	2.42	
04.23.2021	04:58:50	S	3422.7	W	3.08	57	59	4	187.11	20.99	53	10.52	0.00	0.15	2.42	
04.23.2021	04:59:50	S	3422.72	W	2.81	55	55	4	187.17	21.04	51	10.51	0.00	0.16	-0.38	
04.23.2021	05:00:50	S	3422.73	W	2.6	50	51	1	187.07	21.03	49	10.52	0.00	0.14	-0.37	
04.23.2021	05:01:50	S	3422.75	W	2.31	56	57	2	186.96	20.97	54	10.49	0.00	0.13	-0.36	
04.23.2021	05:02:50	S	3422.76	W	2.05	52	53	6	186.98	21.01	46	10.52	0.00	0.12	-0.37	
04.23.2021	05:03:50	S	3422.78	W	1.79	50	53	1	187.22	21.06	50	10.50	0.00	0.14	-0.37	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	05:04:50	S	3422.8	W	1.55	54	55	5	187.11	21.01	49	10.53	0.00	0.14	2.46	
04.23.2021	05:05:50	S	3422.81	W	1.3	53	52	4	187.24	21.03	48	10.50	0.00	0.13	2.36	
04.23.2021	05:06:50	S	3422.83	W	1.03	51	53	5	187.30	21.06	46	10.50	0.00	0.13	2.36	
04.23.2021	05:07:50	S	3422.84	W	0.82	56	56	3	187.24	21.04	53	10.52	0.00	0.14	2.33	
04.23.2021	05:08:49	S	3422.85	W	0.55	52	52	4	187.33	21.03	48	10.51	0.00	0.14	2.40	
04.23.2021	05:09:49	S	3422.87	W	0.29	59	61	-0	187.52	21.00	60	10.51	0.00	0.13	-0.36	
04.23.2021	05:10:49	S	3422.88	W	0.02	58	58	1	187.70	21.03	57	10.50	0.00	0.14	-0.38	
04.23.2021	05:11:49	S	3422.89	E	0.21	53	54	4	187.65	20.97	50	10.51	0.00	0.13	-0.37	
04.23.2021	05:12:49	S	3422.91	E	0.48	54	56	1	187.74	21.00	53	10.51	0.00	0.14	-0.37	
04.23.2021	05:13:49	S	3422.92	E	0.76	55	56	5	187.80	21.01	50	10.51	0.00	0.14	-0.39	
04.23.2021	05:14:49	S	3422.93	E	0.99	51	51	7	187.83	20.99	44	10.51	0.00	0.14	2.43	
04.23.2021	05:15:49	S	3422.94	E	1.25	58	59	8	187.54	20.94	50	10.50	0.00	0.12	2.37	
04.23.2021	05:16:49	S	3422.96	E	1.49	54	55	5	187.39	20.88	49	10.51	0.00	0.16	2.27	
04.23.2021	05:17:49	S	3422.97	E	1.76	46	47	-1	187.11	20.87	47	10.51	0.00	0.14	2.36	
04.23.2021	05:18:51	S	3422.99	E	2.03	56	57	5	186.83	20.83	51	10.51	0.00	0.14	2.48	
04.23.2021	05:19:51	S	3423	E	2.27	53	53	3	186.72	20.81	50	10.52	0.00	0.17	2.36	
04.23.2021	05:20:51	S	3423.01	E	2.53	47	49	0	186.78	20.81	47	10.51	0.00	0.15	-0.38	
04.23.2021	05:21:51	S	3423.03	E	2.82	53	55	2	186.55	20.79	51	10.51	0.00	0.14	-0.37	
04.23.2021	05:22:51	S	3423.04	E	3.06	52	52	7	186.48	20.81	45	10.51	0.00	0.14	-0.37	
04.23.2021	05:23:51	S	3423.05	E	3.3	48	52	2	186.68	20.84	48	10.52	0.00	0.14	-0.39	
04.23.2021	05:24:51	S	3423.06	E	3.55	58	59	6	186.65	20.84	52	10.51	0.00	0.13	-0.36	
04.23.2021	05:25:51	S	3423.08	E	3.84	53	52	6	186.83	20.86	47	10.52	0.00	0.16	2.37	
04.23.2021	05:26:51	S	3423.09	E	4.08	54	55	-1	186.70	20.76	55	10.51	0.00	0.13	2.44	
04.23.2021	05:27:51	S	3423.11	E	4.3	54	54	2	186.81	20.81	52	10.51	0.00	0.15	2.54	
04.23.2021	05:28:53	S	3423.12	E	4.57	51	52	3	187.09	20.77	48	10.51	0.00	0.14	2.50	
04.23.2021	05:29:53	S	3423.13	E	4.85	53	55	1	187.02	20.79	52	10.51	0.00	0.14	2.59	
04.23.2021	05:30:53	S	3423.14	E	5.1	56	56	-2	187.17	20.78	57	10.52	0.00	0.15	-0.39	
04.23.2021	05:31:53	S	3423.15	E	5.34	52	53	3	187.39	20.80	49	10.52	0.00	0.15	-0.35	
04.23.2021	05:32:53	S	3423.16	E	5.61	56	58	2	187.48	20.83	54	10.52	0.00	0.14	-0.37	
04.23.2021	05:33:53	S	3423.17	E	5.84	55	56	6	187.70	20.83	49	10.52	0.00	0.14	-0.35	
04.23.2021	05:34:53	S	3423.18	E	6.09	51	52	7	187.61	20.78	44	10.51	0.00	0.15	-0.38	
04.23.2021	05:35:53	S	3423.2	E	6.36	56	57	2	187.61	20.76	53	10.52	0.00	0.12	2.41	
04.23.2021	05:36:53	S	3423.21	E	6.64	57	58	5	188.15	20.86	52	10.50	0.00	0.14	2.43	
04.23.2021	05:37:53	S	3423.23	E	6.88	52	53	1	188.22	20.83	51	10.52	0.00	0.15	2.48	
04.23.2021	05:38:56	S	3423.24	E	7.13	57	58	5	188.30	20.85	53	10.50	0.00	0.14	2.38	
04.23.2021	05:39:56	S	3423.25	E	7.39	56	56	2	188.30	20.90	53	10.52	0.00	0.15	2.51	
04.23.2021	05:40:56	S	3423.27	E	7.63	56	57	2	188.15	20.86	54	10.50	0.00	0.15	-0.38	
04.23.2021	05:41:56	S	3423.29	E	7.91	56	58	6	188.06	20.84	50	10.51	0.00	0.15	-0.37	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	05:42:56	S	3423.31	E	8.15	53	54	8	187.85	20.84	46	10.51	0.00	0.14	-0.39	
04.23.2021	05:43:56	S	3423.32	E	8.41	50	52	2	187.39	20.76	49	10.51	0.00	0.12	-0.39	
04.23.2021	05:44:56	S	3423.33	E	8.65	57	57	9	187.52	20.88	47	10.52	0.00	0.12	-0.37	
04.23.2021	05:45:56	S	3423.33	E	8.89	53	53	6	187.00	20.80	47	10.50	0.00	0.13	-0.37	
04.23.2021	05:46:56	S	3423.35	E	9.16	53	55	2	186.76	20.83	52	10.52	0.00	0.14	2.43	
04.23.2021	05:47:56	S	3423.36	E	9.41	54	54	1	186.65	20.80	53	10.52	0.00	0.14	2.44	
04.23.2021	05:48:57	S	3423.38	E	9.64	49	49	2	186.81	20.85	47	10.53	0.00	0.15	2.47	
04.23.2021	05:49:57	S	3423.39	E	9.92	53	55	3	186.55	20.78	50	10.51	0.00	0.14	2.44	
04.23.2021	05:50:57	S	3423.4	E	10.18	57	58	6	186.89	20.91	50	10.51	0.00	0.15	2.51	
04.23.2021	05:51:57	S	3423.41	E	10.4	50	51	2	186.68	20.78	48	10.51	0.00	0.14	-0.37	
04.23.2021	05:52:57	S	3423.43	E	10.68	54	56	2	186.89	20.84	52	10.50	0.00	0.14	-0.37	
04.23.2021	05:53:57	S	3423.43	E	10.94	57	57	6	186.96	20.80	50	10.52	0.00	0.14	-0.37	
04.23.2021	05:54:57	S	3423.45	E	11.19	51	52	6	186.89	20.75	46	10.51	0.00	0.12	-0.38	
04.23.2021	05:55:57	S	3423.46	E	11.42	56	57	5	187.20	20.83	51	10.50	0.00	0.14	-0.36	
04.23.2021	05:56:57	S	3423.47	E	11.69	55	55	4	187.13	20.79	51	10.52	0.00	0.13	2.41	
04.23.2021	05:57:57	S	3423.49	E	11.96	49	51	1	187.17	20.79	48	10.53	0.00	0.15	2.42	
04.23.2021	05:58:54	S	3423.5	E	12.18	55	56	4	187.30	20.81	51	10.52	0.00	0.15	2.40	
04.23.2021	05:59:54	S	3423.51	E	12.45	55	55	5	187.11	20.70	50	10.46	0.00	0.13	2.42	
04.23.2021	06:00:54	S	3423.52	E	12.73	52	54	2	187.52	20.80	50	10.51	0.00	0.15	2.39	
04.23.2021	06:01:54	S	3423.53	E	12.95	57	57	6	187.52	20.83	51	10.50	0.00	0.15	-0.37	
04.23.2021	06:02:54	S	3423.54	E	13.25	54	54	6	187.59	20.79	48	10.52	0.00	0.16	-0.39	
04.23.2021	06:03:54	S	3423.55	E	13.47	51	53	3	187.59	20.75	49	10.52	0.00	0.13	-0.38	
04.23.2021	06:04:54	S	3423.56	E	13.71	54	55	5	187.59	20.84	48	10.51	0.00	0.13	-0.37	
04.23.2021	06:05:54	S	3423.58	E	13.95	47	47	2	187.65	20.83	45	10.51	0.00	0.13	-0.37	
04.23.2021	06:06:54	S	3423.58	E	14.19	53	54	1	187.33	20.74	53	10.51	0.00	0.14	2.57	
04.23.2021	06:07:54	S	3423.6	E	14.47	55	55	2	187.20	20.75	51	10.51	0.00	0.14	2.55	
04.23.2021	06:08:51	S	3423.6	E	14.75	54	54	4	187.17	20.76	49	10.51	0.00	0.15	2.55	
04.23.2021	06:09:51	S	3423.62	E	14.98	56	58	-0	187.33	20.79	56	10.50	0.00	0.14	2.52	
04.23.2021	06:10:51	S	3423.63	E	15.24	56	56	5	187.33	20.83	50	10.52	0.00	0.15	2.47	
04.23.2021	06:11:51	S	3423.64	E	15.47	50	51	6	187.22	20.83	44	10.51	0.00	0.15	2.42	
04.23.2021	06:12:51	S	3423.65	E	15.74	54	56	5	186.78	20.70	50	10.52	0.00	0.15	-0.37	
04.23.2021	06:13:51	S	3423.66	E	15.96	59	58	8	186.91	20.78	50	10.50	0.00	0.14	-0.39	
04.23.2021	06:14:51	S	3423.67	E	16.26	50	51	3	186.81	20.74	47	10.52	0.00	0.13	-0.38	
04.23.2021	06:15:51	S	3423.68	E	16.46	60	61	4	186.96	20.80	55	10.52	0.00	0.12	-0.37	
04.23.2021	06:16:51	S	3423.7	E	16.76	55	56	3	187.11	20.84	52	10.51	0.00	0.14	-0.36	
04.23.2021	06:17:51	S	3423.71	E	17.01	56	58	3	187.00	20.78	53	10.51	0.00	0.13	2.51	
04.23.2021	06:18:53	S	3423.72	E	17.26	57	59	3	187.30	20.85	54	10.50	0.00	0.13	2.57	
04.23.2021	06:19:53	S	3423.73	E	17.52	56	56	9	187.28	20.81	47	10.51	0.00	0.12	2.42	

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DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	06:20:53	S	3423.75	E	17.76	54	55	4	187.30	20.80	50	10.51	0.00	0.14	2.50	
04.23.2021	06:21:53	S	3423.76	E	18.01	55	56	5	187.20	20.79	50	10.52	0.00	0.14	2.39	
04.23.2021	06:22:53	S	3423.77	E	18.28	54	54	10	187.37	20.75	43	10.51	0.00	0.15	-0.37	
04.23.2021	06:23:53	S	3423.79	E	18.53	53	54	7	187.83	20.83	46	10.51	0.00	0.14	-0.22	
04.23.2021	06:24:53	S	3423.8	E	18.79	59	59	3	187.70	20.81	55	10.52	0.00	0.15	-0.37	
04.23.2021	06:25:53	S	3423.81	E	19.06	55	55	6	187.80	20.81	49	10.52	0.00	0.14	-0.39	
04.23.2021	06:26:53	S	3423.82	E	19.29	57	59	-0	187.80	20.80	57	10.51	0.00	0.13	-0.37	
04.23.2021	06:27:53	S	3423.83	E	19.5	57	58	2	187.85	20.78	54	10.52	0.00	0.13	2.48	
04.23.2021	06:28:56	S	3423.84	E	19.8	50	51	2	187.65	20.72	48	10.51	0.00	0.13	2.47	
04.23.2021	06:29:56	S	3423.85	E	20.04	57	58	6	187.76	20.76	51	10.51	0.00	0.12	2.34	
04.23.2021	06:30:56	S	3423.86	E	20.29	57	58	7	187.93	20.80	50	10.50	0.00	0.14	2.48	
04.23.2021	06:31:56	S	3423.88	E	20.54	50	51	3	187.93	20.74	47	10.52	0.00	0.13	2.59	
04.23.2021	06:32:56	S	3423.89	E	20.79	59	60	7	187.93	20.83	52	10.51	0.00	0.12	-0.37	
04.23.2021	06:33:56	S	3423.89	E	20.79	53	55	4	187.85	20.83	50	10.51	0.00	0.14	-0.40	
04.23.2021	06:34:56	S	3423.91	E	21.33	50	52	1	187.74	20.80	50	10.53	0.00	0.14	-0.37	
04.23.2021	06:35:56	S	3423.92	E	21.58	56	57	3	187.91	20.90	53	10.50	0.00	0.15	-0.37	
04.23.2021	06:36:57	S	3423.93	E	21.83	56	56	5	187.83	20.95	50	10.52	0.00	0.15	-0.38	
04.23.2021	06:37:57	S	3423.94	E	22.08	50	52	3	187.50	20.97	47	10.51	0.00	0.16	2.45	
04.23.2021	06:38:51	S	3423.95	E	22.34	57	58	8	187.30	21.07	49	10.52	0.00	0.15	2.43	
04.23.2021	06:39:51	S	3423.96	E	22.59	52	53	8	187.24	21.10	44	10.53	0.00	0.14	2.43	
04.23.2021	06:40:51	S	3423.98	E	22.88	51	54	4	187.00	21.10	48	10.51	0.00	0.15	2.52	
04.23.2021	06:41:51	S	3423.98	E	23.09	56	58	8	186.91	21.10	48	10.52	0.00	0.14	2.50	
04.23.2021	06:42:51	S	3423.99	E	23.36	53	52	7	187.07	21.18	45	10.51	0.00	0.13	2.51	
04.23.2021	06:43:51	S	3424	E	23.63	55	57	1	187.13	21.19	55	10.52	0.00	0.14	-0.39	
04.23.2021	06:44:51	S	3424	E	23.88	55	56	1	187.09	21.17	54	10.52	0.00	0.14	-0.38	
04.23.2021	06:45:51	S	3424.01	E	24.15	51	51	3	187.37	21.20	48	10.50	0.00	0.16	-0.36	
04.23.2021	06:46:51	S	3424.02	E	24.38	55	55	3	187.24	21.20	51	10.51	0.00	0.14	-0.37	
04.23.2021	06:47:51	S	3424.03	E	24.64	53	54	2	187.41	21.25	51	10.50	0.00	0.13	-0.37	
04.23.2021	06:48:50	S	3424.04	E	24.9	50	51	5	187.09	21.11	45	10.51	0.00	0.14	2.47	
04.23.2021	06:49:50	S	3424.05	E	25.12	54	56	10	187.39	21.12	45	10.50	0.00	0.14	2.42	
04.23.2021	06:50:50	S	3424.06	E	25.38	57	58	8	187.41	21.12	50	10.52	0.00	0.15	2.51	
04.23.2021	06:51:50	S	3424.06	E	25.64	53	54	-3	187.63	21.12	54	10.51	0.00	0.13	2.46	
04.23.2021	06:52:50	S	3424.08	E	25.91	58	59	6	187.76	21.12	52	10.51	0.00	0.14	2.41	
04.23.2021	06:53:50	S	3424.09	E	26.12	55	55	8	187.93	21.11	47	10.52	0.00	0.14	-0.38	
04.23.2021	06:54:50	S	3424.1	E	26.39	50	51	1	188.06	21.07	49	10.51	0.00	0.13	-0.36	
04.23.2021	06:55:50	S	3424.11	E	26.62	58	58	4	188.24	21.04	53	10.51	0.00	0.16	-0.36	
04.23.2021	06:56:50	S	3424.12	E	26.87	57	57	7	188.59	21.14	50	10.51	0.00	0.14	-0.39	
04.23.2021	06:57:50	S	3424.13	E	27.14	54	56	4	188.56	21.04	51	10.50	0.00	0.13	-0.37	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	06:58:51	S	3424.14	E	27.37	58	59	6	188.78	21.12	52	10.51	0.00	0.13	2.50	
04.23.2021	06:59:51	S	3424.15	E	27.59	57	57	8	188.85	21.09	48	10.51	0.00	0.14	2.44	
04.23.2021	07:00:51	S	3424.17	E	27.86	53	56	4	188.87	21.08	49	10.51	0.00	0.14	2.41	
04.23.2021	07:01:51	S	3424.18	E	28.1	57	58	6	188.82	21.04	50	10.51	0.00	0.14	2.44	
04.23.2021	07:02:51	S	3424.2	E	28.33	52	52	9	189.06	21.12	43	10.51	0.00	0.14	2.51	
04.23.2021	07:03:51	S	3424.21	E	28.62	56	57	1	188.87	21.04	55	10.51	0.00	0.13	-0.36	
04.23.2021	07:04:51	S	3424.23	E	28.84	56	57	6	188.85	21.08	51	10.51	0.00	0.15	-0.38	
04.23.2021	07:05:51	S	3424.25	E	29.12	51	51	3	188.43	21.01	47	10.52	0.00	0.14	-0.36	
04.23.2021	07:06:51	S	3424.25	E	29.34	55	57	2	188.22	21.09	53	10.51	0.00	0.16	-0.35	
04.23.2021	07:07:51	S	3424.26	E	29.61	55	56	4	188.00	21.11	52	10.52	0.00	0.12	-0.39	
04.23.2021	07:08:55	S	3424.26	E	29.83	50	52	3	187.85	21.14	47	10.51	0.00	0.14	-0.36	
04.23.2021	07:09:55	S	3424.26	E	30.09	53	55	2	187.91	21.20	51	10.51	0.00	0.14	2.42	
04.23.2021	07:10:55	S	3424.27	E	30.34	54	54	7	187.93	21.25	47	10.51	0.00	0.14	2.39	
04.23.2021	07:11:55	S	3424.27	E	30.61	50	51	6	187.59	21.16	44	10.51	0.00	0.14	2.42	
04.23.2021	07:12:55	S	3424.26	E	30.83	55	55	5	187.54	21.21	49	10.50	0.00	0.14	2.48	
04.23.2021	07:13:55	S	3424.26	E	31.08	55	55	5	187.72	21.30	50	10.51	0.00	0.13	2.49	
04.23.2021	07:14:55	S	3424.26	E	31.35	49	52	2	187.61	21.26	49	10.51	0.00	0.13	-0.37	
04.23.2021	07:15:55	S	3424.27	E	31.6	59	59	3	187.74	21.31	55	10.51	0.00	0.14	-0.38	
04.23.2021	07:16:55	S	3424.27	E	31.71	51	52	2	187.76	21.29	48	10.51	0.00	0.16	-0.37	
04.23.2021	07:17:55	S	3424.27	E	31.71	50	51	2	187.85	21.29	47	10.52	0.00	0.15	-0.38	
04.23.2021	07:18:46	S	3424.28	E	32.37	54	56	5	188.00	21.27	50	10.52	0.00	0.14	-0.37	
04.23.2021	07:19:46	S	3424.28	E	32.58	52	52	8	187.96	21.25	43	10.51	0.00	0.13	2.46	
04.23.2021	07:20:46	S	3424.28	E	32.83	50	52	4	188.11	21.22	47	10.52	0.00	0.14	2.49	
04.23.2021	07:21:46	S	3424.28	E	33.06	52	53	6	187.65	21.11	46	10.51	0.00	0.15	2.45	
04.23.2021	07:22:46	S	3424.27	E	33.37	50	50	5	187.91	21.10	45	10.51	0.00	0.15	2.30	
04.23.2021	07:23:46	S	3424.27	E	33.61	52	54	2	188.02	21.12	51	10.52	0.00	0.12	2.38	
04.23.2021	07:24:46	S	3424.27	E	33.86	53	53	1	188.02	21.04	51	10.51	0.00	0.14	-0.37	
04.23.2021	07:25:46	S	3424.27	E	34.1	50	49	7	188.04	20.93	43	10.50	0.00	0.13	-0.37	
04.23.2021	07:26:46	S	3424.27	E	34.36	50	51	1	188.35	20.94	49	10.51	0.00	0.15	-0.37	
04.23.2021	07:27:46	S	3424.26	E	34.63	53	54	5	188.32	20.87	49	10.52	0.00	0.14	-0.36	
04.23.2021	07:28:54	S	3424.26	E	34.86	50	51	5	188.32	20.85	45	10.51	0.00	0.12	-0.37	
04.23.2021	07:29:54	S	3424.26	E	35.11	55	55	8	188.06	20.72	47	10.57	0.00	0.13	2.49	
04.23.2021	07:30:54	S	3424.26	E	35.39	53	53	8	188.06	20.72	44	10.51	0.00	0.15	2.45	
04.23.2021	07:31:54	S	3424.26	E	35.64	48	49	3	188.02	20.70	45	10.51	0.00	0.14	2.44	
04.23.2021	07:32:54	S	3424.25	E	35.86	55	56	5	187.80	20.57	50	10.51	0.00	0.17	2.41	
04.23.2021	07:33:54	S	3424.24	E	36.12	55	55	4	187.63	20.56	50	10.51	0.00	0.14	2.41	
04.23.2021	07:34:54	S	3424.24	E	36.37	50	52	3	187.76	20.53	48	10.50	0.00	0.15	2.44	
04.23.2021	07:35:54	S	3424.24	E	36.65	59	60	3	187.65	20.52	56	10.53	0.00	0.14	-0.38	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	07:36:54	S	3424.24	E	36.89	52	52	6	187.83	20.50	46	10.51	0.00	0.15	-0.21	
04.23.2021	07:37:54	S	3424.24	E	37.13	49	50	4	187.85	20.44	45	10.51	0.00	0.14	-0.38	
04.23.2021	07:38:53	S	3424.24	E	37.37	51	52	4	187.93	20.43	47	10.50	0.00	0.14	-0.39	
04.23.2021	07:39:53	S	3424.24	E	37.62	48	48	6	188.22	20.44	41	10.52	0.00	0.16	-0.37	
04.23.2021	07:40:53	S	3424.24	E	37.85	51	53	2	188.32	20.45	50	10.50	0.00	0.14	2.55	
04.23.2021	07:41:53	S	3424.23	E	38.13	55	49	5	188.32	20.42	49	10.51	0.00	0.15	2.51	
04.23.2021	07:42:53	S	3424.23	E	38.36	50	51	2	188.35	20.46	48	10.50	0.00	0.12	2.37	
04.23.2021	07:43:53	S	3424.23	E	38.61	55	57	2	188.67	20.49	54	10.50	0.00	0.14	2.51	
04.23.2021	07:44:53	S	3424.22	E	38.89	54	55	2	188.74	20.46	52	10.52	0.00	0.14	2.36	
04.23.2021	07:45:53	S	3424.22	E	39.1	50	50	6	188.65	20.42	44	10.52	0.00	0.14	-0.35	
04.23.2021	07:46:53	S	3424.22	E	39.35	54	55	-0	189.08	20.52	54	10.50	0.00	0.13	-0.39	
04.23.2021	07:47:53	S	3424.22	E	39.61	55	56	6	189.15	20.54	49	10.53	0.00	0.14	-0.37	
04.23.2021	07:48:54	S	3424.21	E	39.87	52	52	3	189.04	20.50	48	10.51	0.00	0.14	-0.40	
04.23.2021	07:49:54	S	3424.22	E	40.11	58	59	9	189.15	20.53	50	10.51	0.00	0.14	-0.36	
04.23.2021	07:50:54	S	3424.23	E	40.36	54	54	6	188.89	20.53	48	10.51	0.00	0.13	2.50	
04.23.2021	07:51:54	S	3424.24	E	40.63	52	54	2	188.85	20.52	50	10.52	0.00	0.14	2.49	
04.23.2021	07:52:54	S	3424.25	E	40.87	57	57	5	188.87	20.52	52	10.51	0.00	0.15	2.49	
04.23.2021	07:53:54	S	3424.26	E	41.13	55	55	5	188.87	20.59	50	10.51	0.00	0.14	2.52	
04.23.2021	07:54:54	S	3424.27	E	41.38	49	51	2	188.72	20.52	48	10.51	0.00	0.14	2.42	
04.23.2021	07:55:54	S	3424.28	E	41.6	56	57	7	188.54	20.49	49	10.51	0.00	0.13	-0.38	
04.23.2021	07:56:54	S	3424.28	E	41.86	54	54	7	188.76	20.57	46	10.52	0.00	0.14	-0.37	
04.23.2021	07:57:54	S	3424.29	E	42.11	52	53	6	188.43	20.54	46	10.51	0.00	0.14	-0.37	
04.23.2021	07:58:53	S	3424.3	E	42.37	57	58	8	188.11	20.49	49	10.51	0.00	0.13	-0.37	
04.23.2021	07:59:53	S	3424.31	E	42.59	52	52	7	188.13	20.49	44	10.50	0.00	0.13	-0.37	
04.23.2021	08:00:53	S	3424.33	E	42.85	51	53	5	188.06	20.52	46	10.51	0.00	0.16	-0.36	
04.23.2021	08:01:53	S	3424.34	E	43.11	55	55	4	187.96	20.49	51	10.50	0.00	0.14	2.54	
04.23.2021	08:02:53	S	3424.34	E	43.35	53	54	4	188.37	20.57	49	10.50	0.00	0.14	2.39	
04.23.2021	08:03:53	S	3424.36	E	43.61	57	58	2	188.17	20.52	55	10.52	0.00	0.17	2.45	
04.23.2021	08:04:53	S	3424.37	E	43.82	56	57	4	188.13	20.49	52	10.52	0.00	0.16	2.46	
04.23.2021	08:05:53	S	3424.39	E	44.07	49	50	2	188.30	20.53	48	10.52	0.00	0.14	2.37	
04.23.2021	08:06:53	S	3424.4	E	44.32	53	54	7	188.43	20.52	46	10.51	0.00	0.14	-0.36	
04.23.2021	08:07:53	S	3424.4	E	44.55	56	57	6	188.48	20.49	49	10.52	0.00	0.12	-0.37	
04.23.2021	08:08:49	S	3424.4	E	44.77	51	53	6	188.74	20.54	46	10.50	0.00	0.15	-0.38	
04.23.2021	08:09:49	S	3424.41	E	45.02	58	59	8	188.72	20.52	50	10.50	0.00	0.13	-0.36	
04.23.2021	08:10:49	S	3424.43	E	45.26	54	55	6	188.65	20.50	48	10.53	0.00	0.13	-0.37	
04.23.2021	08:11:49	S	3424.44	E	45.5	50	51	5	188.48	20.43	44	10.52	0.00	0.13	2.47	
04.23.2021	08:12:49	S	3424.45	E	45.78	56	56	4	188.41	20.44	52	10.47	0.00	0.14	2.51	
04.23.2021	08:13:49	S	3424.46	E	45.99	54	55	3	188.72	20.46	51	10.52	0.00	0.14	2.39	

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DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	08:14:49	S	3424.47	E	46.26	50	53	1	188.54	20.40	50	10.51	0.00	0.15	2.47	
04.23.2021	08:15:49	S	3424.49	E	46.53	54	57	6	188.52	20.43	50	10.50	0.00	0.14	2.38	
04.23.2021	08:16:49	S	3424.5	E	46.75	54	54	7	188.45	20.43	46	10.50	0.00	0.12	-0.38	
04.23.2021	08:17:49	S	3424.51	E	46.99	53	55	4	188.37	20.42	49	10.51	0.00	0.14	-0.39	
04.23.2021	08:18:49	S	3424.52	E	47.26	55	56	9	188.11	20.31	46	10.50	0.00	0.14	-0.37	
04.23.2021	08:19:49	S	3424.53	E	47.52	51	53	6	188.26	20.42	46	10.52	0.00	0.11	-0.37	
04.23.2021	08:20:49	S	3424.54	E	47.76	57	59	5	187.85	20.30	52	10.51	0.00	0.13	-0.38	
04.23.2021	08:21:49	S	3424.55	E	47.98	57	58	4	188.04	20.34	53	10.52	0.00	0.16	2.45	
04.23.2021	08:22:49	S	3424.58	E	48.24	50	50	5	187.91	20.32	45	10.52	0.00	0.13	2.51	
04.23.2021	08:23:49	S	3424.6	E	48.51	51	52	2	187.93	20.35	48	10.51	0.00	0.13	2.35	
04.23.2021	08:24:49	S	3424.62	E	48.74	53	55	2	188.02	20.35	51	10.52	0.00	0.16	2.37	
04.23.2021	08:25:49	S	3424.64	E	49.02	51	52	4	188.15	20.38	47	10.52	0.00	0.13	2.32	
04.23.2021	08:26:49	S	3424.65	E	49.26	55	56	2	188.11	20.29	53	10.49	0.00	0.14	2.38	
04.23.2021	08:27:49	S	3424.67	E	49.5	54	54	8	188.04	20.25	46	10.51	0.00	0.14	-0.37	
04.23.2021	08:28:56	S	3424.69	E	49.77	50	51	7	188.06	20.28	43	10.51	0.00	0.14	-0.39	
04.23.2021	08:29:56	S	3424.71	E	49.99	56	58	8	188.24	20.33	49	10.51	0.00	0.15	-0.37	
04.23.2021	08:30:56	S	3424.73	E	50.24	55	55	8	188.45	20.29	47	10.51	0.00	0.14	-0.36	
04.23.2021	08:31:56	S	3424.75	E	50.48	50	51	4	188.74	20.36	46	10.51	0.00	0.15	-0.36	
04.23.2021	08:32:56	S	3424.76	E	50.73	58	59	3	188.89	20.35	55	10.50	0.00	0.13	2.39	
04.23.2021	08:33:56	S	3424.78	E	51	56	56	4	188.93	20.25	51	10.51	0.00	0.16	2.45	
04.23.2021	08:34:56	S	3424.8	E	51.26	53	55	2	189.04	20.28	51	10.52	0.00	0.14	2.51	
04.23.2021	08:35:56	S	3424.82	E	51.48	59	60	5	189.00	20.25	54	10.52	0.00	0.04	2.44	
04.23.2021	08:36:56	S	3424.84	E	51.73	53	53	9	189.37	20.31	44	10.51	0.00	0.14	2.42	
04.23.2021	08:37:56	S	3424.86	E	51.96	50	52	5	189.28	20.28	45	10.51	0.00	0.15	-0.37	
04.23.2021	08:38:55	S	3424.88	E	52.21	55	55	8	189.28	20.25	47	10.51	0.00	0.12	-0.35	
04.23.2021	08:39:55	S	3424.9	E	52.5	51	51	6	189.28	20.30	45	10.51	0.00	0.12	-0.38	
04.23.2021	08:40:55	S	3424.91	E	52.73	54	55	4	189.06	20.26	50	10.51	0.00	0.12	-0.37	
04.23.2021	08:41:55	S	3424.93	E	53	54	55	4	188.95	20.30	50	10.52	0.00	0.15	-0.37	
04.23.2021	08:42:55	S	3424.95	E	53.24	49	49	3	188.74	20.28	47	10.52	0.00	0.13	-0.37	
04.23.2021	08:43:55	S	3424.97	E	53.5	53	54	-0	188.48	20.28	46	10.51	0.00	0.15	-0.26	
04.23.2021	08:44:55	S	3424.99	E	53.76	54	55	2	188.35	20.30	52	10.55	0.00	0.12	-0.37	
04.23.2021	08:45:55	S	3425.01	E	54	50	50	6	188.22	20.29	44	10.51	0.00	0.15	-0.37	
04.23.2021	08:46:55	S	3425.02	E	54.24	52	53	4	188.11	20.26	48	10.51	0.00	0.14	-0.37	
04.23.2021	08:47:55	S	3425.05	E	54.5	56	57	5	187.89	20.32	51	10.50	0.00	0.12	2.48	
04.23.2021	08:48:52	S	3425.07	E	54.75	50	51	5	187.76	20.25	45	10.52	0.00	0.15	2.30	
04.23.2021	08:49:52	S	3425.09	E	55.01	51	52	4	187.80	20.26	47	10.52	0.00	0.14	2.52	
04.23.2021	08:50:52	S	3425.11	E	55.23	55	56	6	187.61	20.24	49	10.49	0.00	0.14	2.49	
04.23.2021	08:51:52	S	3425.12	E	55.5	53	53	6	187.91	20.30	46	10.51	0.00	0.12	2.50	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	08:52:52	S	3425.15	E	55.76	53	56	1	187.76	20.25	54	10.51	0.00	0.16	-0.35	
04.23.2021	08:53:52	S	3425.17	E	56.01	56	57	2	187.61	20.22	54	10.51	0.00	0.14	-0.37	
04.23.2021	08:54:52	S	3425.19	E	56.26	51	51	4	188.02	20.29	47	10.31	0.00	0.14	-0.37	
04.23.2021	08:55:52	S	3425.22	E	56.52	55	57	1	187.91	20.24	54	10.51	0.00	0.12	-0.37	
04.23.2021	08:56:52	S	3425.23	E	56.74	55	56	2	188.13	20.26	53	10.52	0.00	0.15	-0.36	
04.23.2021	08:57:52	S	3425.25	E	57.01	50	51	4	188.00	20.19	47	10.53	0.00	0.16	2.59	
04.23.2021	08:58:57	S	3425.26	E	57.24	57	58	4	188.43	20.15	53	10.51	0.00	0.15	2.61	
04.23.2021	08:59:57	S	3425.29	E	57.51	53	55	7	188.24	20.23	47	10.50	0.00	0.14	2.55	
04.23.2021	09:00:57	S	3425.3	E	57.79	50	51	7	188.35	20.24	43	10.52	0.00	0.15	2.54	
04.23.2021	09:01:57	S	3425.31	E	58.02	57	58	6	188.76	20.33	50	10.51	0.00	0.13	2.49	
04.23.2021	09:02:57	S	3425.32	E	58.27	57	57	6	188.78	20.29	50	10.51	0.00	0.13	2.51	
04.23.2021	09:03:57	S	3425.34	E	58.53	51	51	4	188.74	20.26	46	10.50	0.00	0.13	-0.38	
04.23.2021	09:04:57	S	3425.35	E	58.75	56	57	2	189.13	20.38	54	10.50	0.00	0.13	-0.39	
04.23.2021	09:05:57	S	3425.36	E	59.01	54	54	4	188.93	20.29	49	10.51	0.00	0.15	-0.37	
04.23.2021	09:06:57	S	3425.37	E	59.28	51	53	2	189.00	20.34	49	10.51	0.00	0.14	-0.37	
04.23.2021	09:07:57	S	3425.37	E	59.5	60	60	8	189.00	20.35	52	10.52	0.00	0.15	-0.36	
04.23.2021	09:08:50	S	3425.38	E	59.8	57	56	8	188.98	20.32	49	10.53	0.00	0.15	2.65	
04.23.2021	09:09:50	S	3425.39	E	100.03	53	55	4	188.78	20.31	49	10.51	0.00	0.14	2.52	
04.23.2021	09:10:50	S	3425.4	E	100.27	57	57	6	188.56	20.32	50	10.51	0.00	0.16	2.51	
04.23.2021	09:11:50	S	3425.41	E	100.56	52	51	6	188.02	20.26	45	10.52	0.00	0.14	2.49	
04.23.2021	09:12:50	S	3425.41	E	100.79	53	54	3	187.89	20.25	49	10.50	0.00	0.14	2.49	
04.23.2021	09:13:50	S	3425.41	E	101.01	54	55	4	187.72	20.25	51	10.51	0.00	0.12	-0.38	
04.23.2021	09:14:50	S	3425.41	E	101.3	50	51	4	187.54	20.21	46	10.51	0.00	0.13	-0.37	
04.23.2021	09:15:50	S	3425.41	E	101.56	55	57	-1	187.61	20.23	56	10.50	0.00	0.15	-0.36	
04.23.2021	09:16:50	S	3425.42	E	101.8	56	58	3	187.76	20.21	53	10.52	0.00	0.15	-0.38	
04.23.2021	09:17:50	S	3425.43	E	102.06	50	51	5	187.63	20.22	46	10.50	0.00	0.14	-0.37	
04.23.2021	09:18:51	S	3425.43	E	102.31	54	55	4	187.85	20.24	51	10.52	0.00	0.15	2.63	
04.23.2021	09:19:51	S	3425.44	E	102.59	56	56	9	187.85	20.22	47	10.51	0.00	0.14	2.65	
04.23.2021	09:20:51	S	3425.45	E	102.81	50	51	4	187.85	20.23	45	10.53	0.00	0.14	2.59	
04.23.2021	09:21:51	S	3425.46	E	103.09	55	56	6	187.74	20.19	49	10.52	0.00	0.14	2.56	
04.23.2021	09:22:51	S	3425.46	E	103.33	53	53	4	187.91	20.19	48	10.52	0.00	0.14	2.59	
04.23.2021	09:23:51	S	3425.46	E	103.58	52	54	1	188.11	20.22	51	10.50	0.00	0.13	-0.39	
04.23.2021	09:24:51	S	3425.47	E	103.85	54	55	1	188.32	20.21	53	10.49	0.00	0.13	-0.37	
04.23.2021	09:25:51	S	3425.48	E	104.08	53	53	3	188.52	20.25	49	10.51	0.00	0.14	-0.38	
04.23.2021	09:26:51	S	3425.48	E	104.34	50	51	1	188.45	20.21	49	10.51	0.00	0.12	-0.37	
04.23.2021	09:27:51	S	3425.49	E	104.62	54	56	5	188.48	20.20	49	10.52	0.00	0.16	-0.39	
04.23.2021	09:28:53	S	3425.5	E	104.88	51	51	7	188.89	20.25	43	10.50	0.00	0.12	0.64	
04.23.2021	09:29:53	S	3425.5	E	105.11	51	53	4	188.87	20.20	47	10.50	0.00	0.14	2.57	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	09:30:53	S	3425.5	E	105.37	53	55	7	188.85	20.18	47	10.51	0.00	0.14	2.59	
04.23.2021	09:31:53	S	3425.5	E	105.62	48	49	8	188.63	20.18	41	10.51	0.00	0.16	2.51	
04.23.2021	09:32:53	S	3425.51	E	105.85	49	51	2	188.63	20.20	47	10.52	0.00	0.12	2.61	
04.23.2021	09:33:53	S	3425.51	E	106.12	55	56	2	188.52	20.15	53	10.51	0.00	0.14	2.72	
04.23.2021	09:34:53	S	3425.51	E	106.37	48	49	3	188.06	20.07	45	10.50	0.00	0.13	-0.38	
04.23.2021	09:35:53	S	3425.51	E	106.62	52	53	-0	188.24	20.19	52	10.52	0.00	0.13	-0.38	
04.23.2021	09:36:53	S	3425.52	E	106.88	53	54	3	187.89	20.14	50	10.50	0.00	0.14	-0.38	
04.23.2021	09:37:53	S	3425.52	E	107.12	49	50	7	187.76	20.14	42	10.51	0.00	0.15	-0.37	
04.23.2021	09:38:57	S	3425.52	E	107.38	56	57	6	188.11	20.21	51	10.52	0.00	0.14	-0.36	
04.23.2021	09:39:57	S	3425.52	E	107.66	55	55	5	187.83	20.18	50	10.51	0.00	0.14	2.55	
04.23.2021	09:40:57	S	3425.52	E	107.92	52	52	2	188.04	20.18	50	10.51	0.00	0.14	2.57	
04.23.2021	09:41:57	S	3425.53	E	108.15	56	56	6	187.96	20.12	50	10.50	0.00	0.16	2.61	
04.23.2021	09:42:57	S	3425.53	E	108.42	54	53	3	188.37	20.18	50	10.53	0.00	0.14	2.54	
04.23.2021	09:43:57	S	3425.52	E	108.65	51	52	2	188.37	20.19	49	10.51	0.00	0.13	2.42	
04.23.2021	09:44:57	S	3425.52	E	108.94	56	57	2	188.72	20.29	54	10.53	0.00	0.12	-0.37	
04.23.2021	09:45:57	S	3425.52	E	109.18	54	54	4	188.37	20.18	50	10.52	0.00	0.13	-0.36	
04.23.2021	09:46:57	S	3425.52	E	109.41	50	52	3	188.22	20.10	47	10.51	0.00	0.14	-0.39	
04.23.2021	09:47:57	S	3425.52	E	109.69	56	58	5	188.52	20.18	51	10.51	0.00	0.13	-0.37	
04.23.2021	09:48:54	S	3425.52	E	109.94	51	52	8	188.65	20.18	44	10.52	0.00	0.15	-0.37	
04.23.2021	09:49:54	S	3425.52	E	110.2	53	55	1	188.78	20.20	52	10.51	0.00	0.15	2.76	
04.23.2021	09:50:54	S	3425.53	E	110.46	55	56	4	189.08	20.25	50	10.50	0.00	0.15	2.66	
04.23.2021	09:51:54	S	3425.53	E	110.69	51	51	5	189.17	20.29	46	10.52	0.00	0.13	2.72	
04.23.2021	09:52:54	S	3425.53	E	110.96	56	57	-0	189.06	20.18	56	10.51	0.00	0.14	2.74	
04.23.2021	09:53:54	S	3425.53	E	111.22	55	56	1	189.24	20.22	54	10.52	0.00	0.13	2.67	
04.23.2021	09:54:54	S	3425.54	E	111.47	50	51	2	189.19	20.20	48	10.51	0.00	0.13	-0.39	
04.23.2021	09:55:54	S	3425.54	E	111.75	54	56	0	189.41	20.22	54	10.50	0.00	0.13	-0.38	
04.23.2021	09:56:54	S	3425.54	E	111.97	52	53	4	189.19	20.15	47	10.51	0.00	0.15	-0.38	
04.23.2021	09:57:54	S	3425.53	E	112.24	49	50	5	189.08	20.18	44	10.51	0.00	0.13	-0.38	
04.23.2021	09:58:52	S	3425.53	E	112.52	57	57	8	189.00	20.19	49	10.51	0.00	0.13	-0.39	
04.23.2021	09:59:52	S	3425.53	E	112.75	56	56	6	189.00	20.25	49	10.51	0.00	0.14	-0.36	
04.23.2021	10:00:52	S	3425.54	E	113.01	50	52	5	188.72	20.21	45	10.49	0.00	0.14	2.81	
04.23.2021	10:01:52	S	3425.54	E	113.26	56	58	1	188.48	20.24	56	10.50	0.00	0.12	2.74	
04.23.2021	10:02:52	S	3425.54	E	113.54	54	54	3	188.63	20.24	51	10.51	0.00	0.14	2.92	
04.23.2021	10:03:52	S	3425.55	E	113.77	51	53	1	188.56	20.21	50	10.51	0.00	0.15	2.82	
04.23.2021	10:04:52	S	3425.55	E	114.01	54	55	3	188.65	20.23	51	10.53	0.00	0.12	2.82	
04.23.2021	10:05:52	S	3425.55	E	114.28	50	51	5	188.85	20.32	45	10.50	0.00	0.12	-0.34	
04.23.2021	10:06:52	S	3425.56	E	114.52	52	53	5	188.76	20.32	47	10.51	0.00	0.12	-0.37	
04.23.2021	10:07:52	S	3425.56	E	114.8	54	55	6	188.63	20.34	48	10.50	0.00	0.15	-0.37	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	10:08:54	S	3425.57	E	115.03	49	51	5	188.76	20.36	44	10.49	0.00	0.12	-0.33	
04.23.2021	10:09:54	S	3425.57	E	115.26	51	54	1	188.67	20.35	51	10.50	0.00	0.14	-0.35	
04.23.2021	10:10:54	S	3425.57	E	115.55	58	59	2	188.72	20.35	57	10.52	0.00	0.14	2.82	
04.23.2021	10:11:54	S	3425.58	E	115.8	54	55	3	188.82	20.38	51	10.49	0.00	0.15	2.68	
04.23.2021	10:12:54	S	3425.59	E	116.05	55	57	-0	189.24	20.49	56	10.51	0.00	0.15	2.78	
04.23.2021	10:13:54	S	3425.61	E	116.28	52	53	3	189.04	20.49	49	10.49	0.00	0.15	2.83	
04.23.2021	10:14:54	S	3425.63	E	116.52	48	49	5	189.19	20.57	43	10.50	0.00	0.12	2.85	
04.23.2021	10:15:54	S	3425.64	E	116.78	53	55	5	189.06	20.45	49	10.51	0.00	0.12	-0.34	
04.23.2021	10:16:54	S	3425.66	E	117.05	54	55	5	189.24	20.52	48	10.51	0.00	0.13	-0.37	
04.23.2021	10:17:54	S	3425.67	E	117.26	49	51	5	189.26	20.46	44	10.52	0.00	0.13	-0.37	
04.23.2021	10:18:52	S	3425.68	E	117.56	55	56	6	189.24	20.48	50	10.50	0.00	0.11	-0.37	
04.23.2021	10:19:52	S	3425.69	E	117.81	56	56	3	189.24	20.40	53	10.52	0.00	0.12	-0.34	
04.23.2021	10:20:52	S	3425.72	E	118.06	52	53	1	189.37	20.48	51	10.52	0.00	0.14	2.84	
04.23.2021	10:21:52	S	3425.74	E	118.29	53	55	1	189.17	20.44	53	10.53	0.00	0.14	2.86	
04.23.2021	10:22:52	S	3425.77	E	118.52	51	52	3	188.89	20.42	48	10.50	0.00	0.16	2.92	
04.23.2021	10:23:52	S	3425.78	E	118.79	50	52	2	188.82	20.42	48	10.50	0.00	0.15	3.01	
04.23.2021	10:24:52	S	3425.8	E	119.05	57	58	5	188.72	20.45	52	10.51	0.00	0.15	2.87	
04.23.2021	10:25:52	S	3425.82	E	119.25	54	55	8	188.65	20.48	47	10.51	0.00	0.12	2.91	
04.23.2021	10:26:52	S	3425.84	E	119.52	53	54	5	188.89	20.52	48	10.51	0.00	0.13	-0.37	
04.23.2021	10:27:52	S	3425.87	E	119.77	53	54	5	188.59	20.49	48	10.51	0.00	0.13	-0.37	
04.23.2021	10:28:50	S	3425.89	E	119.99	50	50	6	188.56	20.49	44	10.50	0.00	0.15	-0.38	
04.23.2021	10:29:50	S	3425.91	E	120.28	53	54	1	188.67	20.52	51	10.52	0.00	0.16	-0.37	
04.23.2021	10:30:50	S	3425.93	E	120.51	55	57	1	188.45	20.42	55	10.52	0.00	0.16	-0.36	
04.23.2021	10:31:50	S	3425.95	E	120.76	50	50	3	188.65	20.54	47	10.52	0.00	0.15	3.01	
04.23.2021	10:32:50	S	3425.97	E	121	55	57	3	188.78	20.53	52	10.50	0.00	0.14	2.99	
04.23.2021	10:33:50	S	3426	E	121.27	54	55	1	188.72	20.52	53	10.51	0.00	0.17	3.01	
04.23.2021	10:34:50	S	3426.02	E	121.51	48	49	5	188.65	20.50	42	10.49	0.00	0.15	3.00	
04.23.2021	10:35:50	S	3426.04	E	121.75	55	56	6	188.78	20.54	48	10.52	0.00	0.14	3.03	
04.23.2021	10:36:50	S	3426.06	E	121.97	55	55	7	188.85	20.52	47	10.50	0.00	0.11	-0.39	
04.23.2021	10:37:50	S	3426.08	E	122.24	49	51	6	188.67	20.52	44	10.49	0.00	0.13	-0.37	
04.23.2021	10:38:50	S	3426.1	E	122.47	57	57	3	188.82	20.48	53	10.52	0.00	0.12	-0.35	
04.23.2021	10:39:50	S	3426.13	E	122.72	54	55	2	189.30	20.55	52	10.52	0.00	0.14	-0.38	
04.23.2021	10:40:50	S	3426.15	E	122.97	51	52	1	189.15	20.48	50	10.50	0.00	0.15	-0.36	
04.23.2021	10:41:50	S	3426.18	E	123.22	55	56	2	189.45	20.50	53	10.52	0.00	0.15	3.07	
04.23.2021	10:42:50	S	3426.2	E	123.45	54	53	5	189.39	20.46	47	10.50	0.00	0.15	2.99	
04.23.2021	10:43:50	S	3426.21	E	123.55	50	53	2	189.47	20.49	48	10.52	0.00	0.15	3.10	
04.23.2021	10:44:50	S	3426.24	E	123.94	53	55	4	189.61	20.53	50	10.52	0.00	0.16	3.20	
04.23.2021	10:45:50	S	3426.26	E	124.22	50	51	7	189.82	20.60	43	10.51	0.00	0.12	3.21	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	10:46:50	S	3426.28	E	124.46	53	55	2	189.50	20.53	51	10.51	0.00	0.12	-0.37	
04.23.2021	10:47:50	S	3426.29	E	124.71	57	58	2	189.61	20.60	55	10.50	0.00	0.11	-0.38	
04.23.2021	10:48:53	S	3426.29	E	124.94	53	53	2	189.45	20.64	50	10.50	0.00	0.11	-0.37	
04.23.2021	10:49:53	S	3426.31	E	125.2	55	57	1	189.47	20.73	54	10.51	0.00	0.12	-0.37	
04.23.2021	10:50:53	S	3426.32	E	125.42	57	57	4	188.89	20.62	52	10.50	0.00	0.13	-0.37	
04.23.2021	10:51:53	S	3426.34	E	125.67	47	50	3	188.76	20.62	46	10.51	0.00	0.15	-0.38	
04.23.2021	10:52:53	S	3426.35	E	125.92	54	55	4	188.76	20.65	50	10.52	0.00	0.14	3.18	
04.23.2021	10:53:53	S	3426.35	E	126.16	57	58	5	189.04	20.69	52	10.52	0.00	0.15	3.23	
04.23.2021	10:54:53	S	3426.36	E	126.41	53	54	6	188.85	20.63	46	10.50	0.00	0.14	3.15	
04.23.2021	10:55:53	S	3426.38	E	126.67	56	57	6	188.82	20.66	50	10.52	0.00	0.13	3.25	
04.23.2021	10:56:53	S	3426.39	E	126.88	55	55	4	188.65	20.67	51	10.50	0.00	0.13	3.21	
04.23.2021	10:57:53	S	3426.4	E	127.13	50	51	5	188.78	20.70	45	10.50	0.00	0.13	-0.37	
04.23.2021	10:58:53	S	3426.41	E	127.39	55	56	2	188.48	20.62	54	10.52	0.00	0.12	-0.38	
04.23.2021	10:59:53	S	3426.42	E	127.65	53	53	3	188.95	20.73	50	10.49	0.00	0.13	-0.36	
04.23.2021	11:00:53	S	3426.43	E	127.87	49	51	0	188.74	20.67	49	10.50	0.00	0.12	-0.35	
04.23.2021	11:01:53	S	3426.45	E	128.15	53	54	1	188.74	20.73	52	10.51	0.00	0.14	-0.37	
04.23.2021	11:02:53	S	3426.46	E	128.39	49	50	5	188.72	20.67	45	10.51	0.00	0.16	3.34	
04.23.2021	11:03:53	S	3426.47	E	128.62	47	49	2	188.67	20.64	44	10.51	0.00	0.15	3.26	
04.23.2021	11:04:53	S	3426.48	E	128.85	53	54	6	189.00	20.76	47	10.51	0.00	0.14	3.29	
04.23.2021	11:05:53	S	3426.49	E	129.12	50	50	6	188.93	20.71	44	10.51	0.00	0.16	3.44	
04.23.2021	11:06:53	S	3426.5	E	129.35	48	51	4	188.82	20.67	45	10.50	0.00	0.13	3.36	
04.23.2021	11:07:53	S	3426.5	E	129.62	53	54	3	188.87	20.66	50	10.51	0.00	0.14	-0.37	
04.23.2021	11:08:56	S	3426.51	E	129.85	49	50	3	189.13	20.69	47	10.51	0.00	0.14	-0.38	
04.23.2021	11:09:56	S	3426.52	E	130.09	51	53	1	189.17	20.65	51	10.50	0.00	0.12	-0.36	
04.23.2021	11:10:56	S	3426.53	E	130.32	52	53	2	189.39	20.66	50	10.51	0.00	0.15	-0.36	
04.23.2021	11:11:56	S	3426.54	E	130.59	50	51	4	189.58	20.69	46	10.50	0.00	0.10	-0.36	
04.23.2021	11:12:56	S	3426.54	E	130.8	53	54	6	189.50	20.62	47	10.51	0.00	0.15	3.41	
04.23.2021	11:13:56	S	3426.55	E	131.06	54	55	6	189.65	20.63	48	10.51	0.00	0.15	3.51	
04.23.2021	11:14:56	S	3426.56	E	131.29	48	49	5	189.41	20.57	43	10.52	0.00	0.16	3.55	
04.23.2021	11:15:56	S	3426.57	E	131.54	54	55	4	189.26	20.55	50	10.50	0.00	0.15	3.42	
04.23.2021	11:16:56	S	3426.57	E	131.78	51	52	3	189.30	20.56	49	10.51	0.00	0.15	3.55	
04.23.2021	11:17:56	S	3426.58	E	132.02	49	50	-0	189.00	20.56	49	10.50	0.00	0.13	3.49	
04.23.2021	11:18:49	S	3426.57	E	132.27	54	55	2	188.93	20.52	52	10.51	0.00	0.12	-0.37	
04.23.2021	11:19:49	S	3426.58	E	132.48	53	54	5	189.06	20.59	49	10.51	0.00	0.13	-0.37	
04.23.2021	11:20:49	S	3426.58	E	132.75	50	52	1	189.13	20.65	49	10.51	0.00	0.13	-0.37	
04.23.2021	11:21:49	S	3426.59	E	133	52	54	4	189.06	20.69	48	10.51	0.00	0.14	-0.39	
04.23.2021	11:22:49	S	3426.6	E	133.22	49	50	7	188.87	20.67	42	10.51	0.00	0.15	-0.37	
04.23.2021	11:23:49	S	3426.6	E	133.47	51	52	3	188.87	20.69	48	10.50	0.00	0.16	3.54	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	11:24:49	S	3426.6	E	133.7	55	56	2	189.00	20.81	53	10.51	0.00	0.14	3.53	
04.23.2021	11:25:49	S	3426.61	E	133.93	50	50	7	189.37	20.91	43	10.50	0.00	0.15	3.66	
04.23.2021	11:26:49	S	3426.61	E	134.17	52	54	-2	189.26	20.93	53	10.51	0.00	0.15	3.63	
04.23.2021	11:27:49	S	3426.62	E	134.42	56	57	2	189.41	20.96	54	10.51	0.00	0.14	3.62	
04.23.2021	11:28:54	S	3426.62	E	134.66	51	52	3	189.69	20.93	48	10.51	0.00	0.12	-0.37	
04.23.2021	11:29:54	S	3426.62	E	134.9	55	57	-1	190.10	21.06	56	10.48	0.00	0.12	-0.37	
04.23.2021	11:30:54	S	3426.62	E	135.13	55	56	6	190.10	20.99	48	10.51	0.00	0.12	-0.36	
04.23.2021	11:31:54	S	3426.62	E	135.37	50	51	4	190.30	21.00	46	10.51	0.00	0.13	-0.36	
04.23.2021	11:32:54	S	3426.63	E	135.6	57	58	6	190.49	21.06	51	10.49	0.00	0.13	-0.37	
04.23.2021	11:33:54	S	3426.63	E	135.85	54	55	6	190.52	21.09	48	10.52	0.00	0.15	3.62	
04.23.2021	11:34:54	S	3426.64	E	136.1	51	52	3	190.60	21.12	47	10.50	0.00	0.14	3.57	
04.23.2021	11:35:54	S	3426.64	E	136.32	55	56	3	190.54	21.07	52	10.51	0.00	0.17	3.57	
04.23.2021	11:36:54	S	3426.65	E	136.56	53	54	5	190.49	21.07	48	10.52	0.00	0.14	3.67	
04.23.2021	11:37:54	S	3426.65	E	136.82	50	52	-1	190.30	21.08	50	10.49	0.00	0.14	3.62	
04.23.2021	11:38:57	S	3426.65	E	137.05	55	56	2	190.19	21.11	52	10.50	0.00	0.12	-0.38	
04.23.2021	11:39:57	S	3426.66	E	137.32	53	54	5	190.23	21.12	48	10.51	0.00	0.12	-0.38	
04.23.2021	11:40:57	S	3426.66	E	137.51	52	54	4	190.13	21.12	49	10.52	0.00	0.11	-0.38	
04.23.2021	11:41:57	S	3426.67	E	137.78	56	58	5	190.02	21.12	51	10.51	0.00	0.12	-0.37	
04.23.2021	11:42:57	S	3426.68	E	138.01	51	52	6	190.06	21.12	44	10.50	0.00	0.12	-0.37	
04.23.2021	11:43:57	S	3426.69	E	138.28	50	52	3	189.89	21.14	47	10.51	0.00	0.13	-0.35	
04.23.2021	11:44:57	S	3426.69	E	138.49	56	56	5	189.95	21.16	50	10.51	0.00	0.15	3.68	
04.23.2021	11:45:57	S	3426.7	E	138.75	50	50	5	189.87	21.16	44	10.50	0.00	-0.13	3.69	
04.23.2021	11:46:57	S	3426.7	E	138.98	53	54	-1	189.91	21.21	53	10.51	0.00	0.14	3.78	
04.23.2021	11:47:57	S	3426.7	E	139.23	54	55	2	189.71	21.14	52	10.50	0.00	0.15	3.72	
04.23.2021	11:48:57	S	3426.71	E	139.47	50	51	2	189.95	21.22	48	10.51	0.00	0.12	3.59	
04.23.2021	11:49:57	S	3426.72	E	139.71	54	56	2	189.80	21.14	52	10.51	0.00	0.13	-0.31	
04.23.2021	11:50:57	S	3426.72	E	139.72	-6	-4	-3	188.43	21.24	-2	10.50	0.00	0.13	-0.38	
04.23.2021	11:51:57	S	3426.73	E	140.18	-5	-4	-3	183.20	21.31	-2	10.51	0.00	0.16	-0.33	
04.23.2021	11:52:57	S	3426.74	E	140.43	-6	-5	-4	178.88	21.48	-2	10.50	0.00	0.15	-0.36	
04.23.2021	11:53:57	S	3426.75	E	140.65	-6	-5	-4	175.20	21.60	-2	10.52	0.00	0.15	-0.36	
04.23.2021	11:54:57	S	3426.76	E	140.87	-6	-5	-4	172.37	21.89	-2	10.50	0.00	0.16	0.30	
04.23.2021	11:55:57	S	3426.78	E	141.14	-6	-5	-3	169.01	22.25	-3	10.52	0.00	0.14	0.69	
04.23.2021	11:56:57	S	3426.79	E	141.34	-6	-4	-3	166.91	22.82	-3	10.52	0.00	0.16	1.80	
04.23.2021	11:57:57	S	3426.81	E	141.61	-6	-5	-3	164.82	23.36	-2	10.51	0.00	0.17	2.84	
04.23.2021	11:58:57	S	3426.81	E	141.84	-6	-5	-4	163.09	23.94	-2	10.50	0.00	0.16	2.73	
04.23.2021	11:59:57	S	3426.82	E	142.06	-1	0	-4	161.33	24.07	3	10.51	0.00	0.09	-0.40	
04.23.2021	12:00:57	S	3426.83	E	142.29	-5	-4	-6	159.66	23.34	0	10.49	0.00	0.12	-0.38	
04.23.2021	12:01:57	S	3426.84	E	142.53	56	57	5	166.60	22.69	51	10.50	0.00	0.14	-0.37	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0						Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	12:02:57	S	3426.86	E	142.79	73	74	8	173.70	22.10	66	10.51	0.00	0.12	-0.38
04.23.2021	12:03:57	S	3426.87	E	143.01	76	77	0	177.93	21.50	76	10.51	0.00	0.11	-0.36
04.23.2021	12:04:57	S	3426.89	E	143.24	53	53	3	180.21	21.25	50	10.52	0.00	0.15	2.84
04.23.2021	12:05:57	S	3426.9	E	143.48	52	53	2	181.71	21.30	49	10.51	0.00	0.16	0.05
04.23.2021	12:06:57	S	3426.9	E	143.71	55	57	-0	182.88	21.26	55	10.50	0.00	0.17	-0.38
04.23.2021	12:07:57	S	3426.92	E	143.96	56	57	2	183.70	21.25	54	10.51	0.00	0.15	-0.35
04.23.2021	12:08:52	S	3426.93	E	144.16	49	50	1	184.48	21.29	47	10.51	0.00	0.15	-0.34
04.23.2021	12:09:52	S	3426.95	E	144.43	53	55	2	184.59	21.19	52	10.51	0.00	0.14	-0.36
04.23.2021	12:10:52	S	3426.96	E	144.64	52	53	5	185.22	21.22	46	10.50	0.00	0.15	1.31
04.23.2021	12:11:52	S	3426.97	E	144.88	48	49	6	185.55	21.21	42	10.51	0.00	0.15	3.38
04.23.2021	12:12:52	S	3426.98	E	145.11	55	56	7	186.09	21.28	48	10.51	0.00	0.15	3.39
04.23.2021	12:13:52	S	3427	E	145.37	56	56	7	186.46	21.25	47	10.52	0.00	0.16	1.81
04.23.2021	12:14:52	S	3427.01	E	145.58	51	52	4	186.72	21.26	47	10.52	0.00	0.13	0.81
04.23.2021	12:15:52	S	3427.02	E	145.82	54	54	2	186.98	21.22	52	10.51	0.00	0.14	-0.37
04.23.2021	12:16:52	S	3427.03	E	146.04	54	54	3	187.28	21.22	51	10.50	0.00	0.15	-0.37
04.23.2021	12:17:52	S	3427.05	E	146.31	52	54	2	187.74	21.29	50	10.51	0.00	0.15	-0.37
04.23.2021	12:18:52	S	3427.06	E	146.51	58	59	5	187.93	21.24	53	10.51	0.00	0.14	-0.36
04.23.2021	12:19:52	S	3427.08	E	146.74	53	54	9	188.17	21.26	45	10.50	0.00	0.15	-0.35
04.23.2021	12:20:52	S	3427.1	E	147	51	53	2	188.43	21.25	49	10.52	0.00	0.15	0.70
04.23.2021	12:21:52	S	3427.11	E	147.19	55	57	6	188.56	21.25	50	10.51	0.00	0.14	0.73
04.23.2021	12:22:52	S	3427.13	E	147.45	51	51	7	188.74	21.22	43	10.51	0.00	0.17	0.60
04.23.2021	12:23:52	S	3427.14	E	147.68	53	54	1	189.15	21.25	52	10.50	0.00	0.15	0.81
04.23.2021	12:24:52	S	3427.15	E	147.91	57	57	2	189.06	21.22	54	10.51	0.00	0.15	0.72
04.23.2021	12:25:52	S	3427.16	E	148.13	49	51	1	189.17	21.20	49	10.49	0.00	0.13	-0.35
04.23.2021	12:26:52	S	3427.18	E	148.37	57	58	5	189.54	21.25	52	10.50	0.00	0.15	-0.35
04.23.2021	12:27:52	S	3427.2	E	148.6	56	56	5	189.97	21.31	50	10.51	0.00	0.15	-0.25
04.23.2021	12:28:52	S	3427.22	E	148.81	50	51	3	189.87	21.27	47	10.52	0.00	0.15	-0.36
04.23.2021	12:29:52	S	3427.24	E	149.05	54	56	3	189.87	21.30	51	10.49	0.00	0.16	-0.36
04.23.2021	12:30:52	S	3427.25	E	149.28	53	55	6	189.78	21.29	47	10.51	0.00	0.15	0.97
04.23.2021	12:31:52	S	3427.27	E	149.51	50	51	2	189.47	21.26	48	10.53	0.00	0.16	0.69
04.23.2021	12:32:52	S	3427.28	E	149.76	54	56	6	189.47	21.34	49	10.50	0.00	0.14	0.67
04.23.2021	12:33:52	S	3427.3	E	150	51	52	5	189.00	21.26	47	10.51	0.00	0.16	0.66
04.23.2021	12:34:52	S	3427.31	E	150.22	49	51	1	188.76	21.22	48	10.50	0.00	0.14	0.69
04.23.2021	12:35:52	S	3427.32	E	150.42	55	56	2	188.95	21.24	54	10.50	0.00	0.15	0.44
04.23.2021	12:36:52	S	3427.33	E	150.68	53	54	3	188.98	21.28	50	10.49	0.00	0.15	-0.35
04.23.2021	12:37:52	S	3427.34	E	150.9	52	53	5	189.06	21.25	47	10.48	0.00	0.15	-0.33
04.23.2021	12:38:59	S	3427.36	E	151.15	55	57	4	189.08	21.29	51	10.50	0.00	0.17	-0.36
04.23.2021	12:39:59	S	3427.38	E	151.36	51	52	8	189.08	21.26	43	10.51	0.00	0.15	-0.35

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	12:40:59	S	3427.39	E	151.57	50	52	3	189.13	21.25	47	10.51	0.00	0.16	-0.35
04.23.2021	12:41:59	S	3427.41	E	151.8	53	54	6	189.34	21.27	47	10.51	0.00	0.14	0.63
04.23.2021	12:42:59	S	3427.42	E	152.06	49	49	5	189.13	21.22	44	10.51	0.00	0.15	0.62
04.23.2021	12:43:59	S	3427.43	E	152.26	52	54	-2	189.50	21.27	54	10.51	0.00	0.16	0.59
04.23.2021	12:44:59	S	3427.45	E	152.51	54	55	1	189.54	21.30	53	10.52	0.00	0.13	0.65
04.23.2021	12:45:59	S	3427.47	E	152.72	49	51	1	189.71	21.32	49	10.50	0.00	0.16	0.79
04.23.2021	12:46:59	S	3427.48	E	152.96	52	54	1	189.54	21.29	51	10.49	0.00	0.15	-0.35
04.23.2021	12:47:59	S	3427.5	E	153.19	51	53	4	189.65	21.28	49	10.51	0.00	0.14	-0.38
04.23.2021	12:48:52	S	3427.52	E	153.43	49	51	3	189.71	21.30	47	10.51	0.00	0.15	-0.38
04.23.2021	12:49:52	S	3427.53	E	153.66	56	58	4	190.19	21.34	52	10.48	0.00	0.15	-0.36
04.23.2021	12:50:52	S	3427.54	E	153.86	57	57	7	189.89	21.30	49	10.50	0.00	0.15	-0.36
04.23.2021	12:51:52	S	3427.55	E	154.08	50	52	3	190.13	21.38	47	10.50	0.00	0.13	0.67
04.23.2021	12:52:52	S	3427.57	E	154.32	52	52	5	189.71	21.33	47	10.51	0.00	0.15	0.55
04.23.2021	12:53:52	S	3427.58	E	154.53	51	51	3	189.69	21.34	47	10.54	0.00	0.16	0.94
04.23.2021	12:54:52	S	3427.57	E	154.79	50	52	2	189.50	21.28	49	10.52	0.00	0.17	1.09
04.23.2021	12:55:52	S	3427.57	E	155.01	57	59	3	189.80	21.41	55	10.51	0.00	0.17	0.86
04.23.2021	12:56:52	S	3427.57	E	155.24	54	55	5	189.69	21.32	50	10.49	0.00	0.15	-0.36
04.23.2021	12:57:52	S	3427.57	E	155.43	48	51	-1	189.56	21.34	50	10.50	0.00	0.15	-0.35
04.23.2021	12:58:49	S	3427.58	E	155.69	53	54	6	189.71	21.35	47	10.51	0.00	0.14	-0.36
04.23.2021	12:59:49	S	3427.58	E	155.93	50	50	5	189.87	21.38	44	10.50	0.00	0.15	-0.36
04.23.2021	13:00:49	S	3427.57	E	156.12	53	55	2	189.76	21.38	51	10.50	0.00	0.17	-0.36
04.23.2021	13:01:49	S	3427.57	E	156.36	55	56	0	190.10	21.43	55	10.51	0.00	0.17	-0.34
04.23.2021	13:02:49	S	3427.58	E	156.58	53	53	3	189.89	21.41	50	10.51	0.00	0.15	0.81
04.23.2021	13:03:49	S	3427.58	E	156.8	54	55	1	190.08	21.40	53	10.50	0.00	0.19	1.29
04.23.2021	13:04:49	S	3427.58	E	157.02	54	56	4	190.36	21.45	50	10.49	0.00	0.16	1.15
04.23.2021	13:05:49	S	3427.57	E	157.28	52	53	5	190.49	21.41	47	10.50	0.00	0.16	0.53
04.23.2021	13:06:49	S	3427.57	E	157.51	55	56	6	190.58	21.38	49	10.51	0.00	0.15	0.45
04.23.2021	13:07:49	S	3427.58	E	157.73	55	56	5	190.73	21.46	49	10.50	0.00	0.14	-0.36
04.23.2021	13:08:51	S	3427.57	E	157.97	52	54	3	190.89	21.42	49	10.51	0.00	0.15	-0.35
04.23.2021	13:09:51	S	3427.57	E	158.21	57	57	5	190.84	21.35	52	10.51	0.00	0.15	-0.36
04.23.2021	13:10:51	S	3427.57	E	158.42	55	56	2	191.06	21.39	53	10.51	0.00	0.14	-0.36
04.23.2021	13:11:51	S	3427.57	E	158.64	51	52	1	191.02	21.34	49	10.50	0.00	0.15	-0.36
04.23.2021	13:12:51	S	3427.57	E	158.87	55	56	1	191.36	21.40	54	10.51	0.00	0.17	0.75
04.23.2021	13:13:51	S	3427.57	E	159.12	51	51	6	191.34	21.42	43	10.51	0.00	0.15	0.74
04.23.2021	13:14:51	S	3427.57	E	159.34	48	50	-1	191.43	21.38	50	10.52	0.00	0.15	0.84
04.23.2021	13:15:51	S	3427.57	E	159.59	54	55	6	191.34	21.30	48	10.52	0.00	0.16	0.66
04.23.2021	13:16:51	S	3427.57	E	159.79	51	52	6	191.36	21.32	47	10.50	0.00	0.14	0.60
04.23.2021	13:17:51	S	3427.57	E	200.06	53	55	3	191.45	21.34	50	10.51	0.00	0.14	-0.36

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	13:18:54	S	3427.57	E	200.25	57	57	3	191.41	21.39	53	10.49	0.00	0.15	-0.36	
04.23.2021	13:19:54	S	3427.57	E	200.5	51	51	4	190.78	21.35	46	10.53	0.00	0.15	-0.36	
04.23.2021	13:20:54	S	3427.58	E	200.74	50	52	-2	190.52	21.28	52	10.51	0.00	0.15	-0.35	
04.23.2021	13:21:54	S	3427.58	E	200.95	52	53	0	190.60	21.39	52	10.50	0.00	0.15	-0.37	
04.23.2021	13:22:54	S	3427.58	E	201.18	48	49	4	190.32	21.30	44	10.51	0.00	0.16	0.71	
04.23.2021	13:23:54	S	3427.58	E	201.44	55	56	7	190.49	21.36	48	10.51	0.00	0.14	0.62	
04.23.2021	13:24:54	S	3427.58	E	201.66	56	56	7	190.47	21.33	48	10.50	0.00	0.16	0.70	
04.23.2021	13:25:54	S	3427.58	E	201.88	49	50	5	190.52	21.36	43	10.49	0.00	0.14	0.80	
04.23.2021	13:26:54	S	3427.58	E	202.13	54	55	3	190.65	21.41	51	10.51	0.00	0.16	0.71	
04.23.2021	13:27:54	S	3427.58	E	202.35	52	52	1	190.58	21.36	50	10.52	0.00	0.14	0.63	
04.23.2021	13:28:55	S	3427.59	E	202.58	47	49	-1	190.52	21.34	48	10.50	0.00	0.16	-0.35	
04.23.2021	13:29:55	S	3427.6	E	202.84	52	53	1	190.60	21.36	51	10.50	0.00	0.16	-0.36	
04.23.2021	13:30:55	S	3427.6	E	203.04	48	48	-1	190.73	21.38	48	10.51	0.00	0.15	-0.36	
04.23.2021	13:31:55	S	3427.61	E	203.27	47	49	-0	190.52	21.32	48	10.50	0.00	0.15	-0.35	
04.23.2021	13:32:55	S	3427.61	E	203.52	49	51	1	190.71	21.36	48	10.52	0.00	0.15	-0.37	
04.23.2021	13:33:55	S	3427.61	E	203.74	49	50	7	190.78	21.42	42	10.49	0.00	0.16	1.12	
04.23.2021	13:34:55	S	3427.62	E	203.95	48	50	1	190.93	21.43	46	10.50	0.00	0.16	-0.36	
04.23.2021	13:35:55	S	3427.62	E	204.2	51	52	1	190.69	21.40	50	10.50	0.00	0.15	-0.35	
04.23.2021	13:36:55	S	3427.63	E	204.44	50	54	3	190.95	21.42	49	10.51	0.00	0.15	-0.36	
04.23.2021	13:37:55	S	3427.64	E	204.7	45	47	3	190.78	21.40	42	10.51	0.00	0.17	-0.34	
04.23.2021	13:38:59	S	3427.64	E	204.92	51	52	3	190.84	21.45	47	10.51	0.00	0.15	0.71	
04.23.2021	13:39:59	S	3427.64	E	205.14	50	50	1	190.71	21.42	48	10.50	0.00	0.14	0.79	
04.23.2021	13:40:59	S	3427.65	E	205.39	47	48	-3	191.02	21.53	50	10.51	0.00	0.15	0.85	
04.23.2021	13:41:59	S	3427.65	E	205.6	53	54	-2	190.78	21.43	55	10.50	0.00	0.15	0.83	
04.23.2021	13:42:59	S	3427.65	E	205.85	51	51	1	190.43	21.45	50	10.51	0.00	0.15	0.86	
04.23.2021	13:43:59	S	3427.66	E	206.09	48	51	-0	190.32	21.48	48	10.51	0.00	0.16	-0.36	
04.23.2021	13:44:59	S	3427.66	E	206.29	54	55	3	190.17	21.45	49	10.50	0.00	0.16	-0.37	
04.23.2021	13:45:59	S	3427.67	E	206.55	48	49	5	189.95	21.43	43	10.51	0.00	0.15	-0.37	
04.23.2021	13:46:59	S	3427.68	E	206.74	50	52	-0	189.80	21.38	51	10.52	0.00	0.15	-0.35	
04.23.2021	13:47:59	S	3427.68	E	207	53	53	-1	189.87	21.42	53	10.50	0.00	0.15	-0.36	
04.23.2021	13:48:51	S	3427.68	E	207.2	47	48	-1	189.97	21.43	48	10.52	0.00	0.16	0.82	
04.23.2021	13:49:51	S	3427.69	E	207.45	52	54	-3	190.10	21.41	55	10.51	0.00	0.17	0.80	
04.23.2021	13:50:51	S	3427.69	E	207.69	57	58	2	190.17	21.46	55	10.51	0.00	0.15	0.81	
04.23.2021	13:51:51	S	3427.7	E	207.9	54	56	5	190.43	21.45	50	10.51	0.00	0.16	0.91	
04.23.2021	13:52:51	S	3427.72	E	208.14	55	57	1	190.43	21.43	54	10.53	0.00	0.18	0.90	
04.23.2021	13:53:51	S	3427.74	E	208.37	51	51	4	190.36	21.39	46	10.50	0.00	0.16	-0.35	
04.23.2021	13:54:51	S	3427.75	E	208.6	50	51	5	190.41	21.40	45	10.51	0.00	0.14	-0.36	
04.23.2021	13:55:51	S	3427.77	E	208.85	55	57	2	190.41	21.38	54	10.51	0.00	0.15	-0.36	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	13:56:51	S	3427.77	E	209.07	55	55	1	190.43	21.31	54	10.51	0.00	0.14	-0.36	
04.23.2021	13:57:51	S	3427.79	E	209.29	53	54	-2	190.65	21.35	55	10.50	0.00	0.15	-0.35	
04.23.2021	13:58:54	S	3427.81	E	209.56	56	57	-1	190.82	21.39	57	10.50	0.00	0.15	0.89	
04.23.2021	13:59:54	S	3427.82	E	209.76	52	53	1	190.49	21.28	51	10.50	0.00	0.16	0.84	
04.23.2021	14:00:54	S	3427.84	E	210	50	51	1	190.58	21.30	49	10.49	0.00	0.15	1.76	
04.23.2021	14:01:54	S	3427.85	E	210.22	55	56	5	190.73	21.34	50	10.51	0.00	0.15	1.45	
04.23.2021	14:02:54	S	3427.87	E	210.46	50	52	4	190.82	21.35	47	10.50	0.00	0.15	0.92	
04.23.2021	14:03:54	S	3427.88	E	210.7	50	52	2	190.95	21.35	49	10.51	0.00	0.16	0.75	
04.23.2021	14:04:54	S	3427.89	E	210.92	55	56	3	190.73	21.32	52	10.52	0.00	0.15	-0.36	
04.23.2021	14:05:54	S	3427.9	E	211.15	52	52	1	190.71	21.36	50	10.51	0.00	0.16	-0.35	
04.23.2021	14:06:54	S	3427.92	E	211.38	53	54	-4	190.49	21.30	56	10.52	0.00	0.15	-0.36	
04.23.2021	14:07:54	S	3427.94	E	211.62	54	54	-1	190.17	21.35	54	10.50	0.00	0.14	-0.34	
04.23.2021	14:08:55	S	3427.95	E	211.87	47	48	-1	189.87	21.36	48	10.50	0.00	0.15	-0.37	
04.23.2021	14:09:55	S	3427.97	E	212.1	53	54	-2	189.65	21.36	54	10.51	0.00	0.17	0.93	
04.23.2021	14:10:55	S	3427.98	E	212.31	54	55	3	189.65	21.41	51	10.50	0.00	0.15	0.80	
04.23.2021	14:11:55	S	3428	E	212.56	48	49	3	189.58	21.48	45	10.53	0.00	0.16	0.72	
04.23.2021	14:12:55	S	3428.02	E	212.79	54	56	2	189.50	21.42	52	10.51	0.00	0.16	0.74	
04.23.2021	14:13:55	S	3428.04	E	213.01	53	53	4	189.37	21.40	49	10.67	0.00	0.15	0.77	
04.23.2021	14:14:55	S	3428.05	E	213.23	49	50	2	189.37	21.39	47	10.50	0.00	0.15	-0.35	
04.23.2021	14:15:55	S	3428.07	E	213.46	53	54	-3	189.13	21.34	56	10.51	0.00	0.14	-0.36	
04.23.2021	14:16:56	S	3428.08	E	213.71	50	51	0	189.37	21.43	50	10.51	0.00	0.14	-0.36	
04.23.2021	14:17:56	S	3428.1	E	213.89	49	51	-0	189.34	21.43	48	10.51	0.00	0.15	-0.36	
04.23.2021	14:18:51	S	3428.12	E	214.16	54	55	-1	189.50	21.46	54	10.51	0.00	0.15	-0.36	
04.23.2021	14:19:51	S	3428.12	E	214.24	51	51	3	189.39	21.43	48	10.53	0.00	0.17	0.78	
04.23.2021	14:20:51	S	3428.15	E	214.6	49	51	1	189.39	21.46	49	10.52	0.00	0.15	0.78	
04.23.2021	14:21:51	S	3428.17	E	214.82	53	54	4	189.37	21.46	50	10.50	0.00	0.15	0.77	
04.23.2021	14:22:51	S	3428.18	E	215.07	55	55	7	189.56	21.54	48	10.51	0.00	0.18	0.75	
04.23.2021	14:23:51	S	3428.2	E	215.29	54	56	3	189.69	21.56	52	10.51	0.00	0.15	0.77	
04.23.2021	14:24:51	S	3428.22	E	215.53	57	58	3	189.58	21.52	54	10.51	0.00	0.14	-0.36	
04.23.2021	14:25:51	S	3428.24	E	215.78	53	54	4	189.61	21.56	49	10.51	0.00	0.13	-0.35	
04.23.2021	14:26:51	S	3428.25	E	215.96	57	58	2	189.78	21.59	54	10.52	0.00	0.15	-0.35	
04.23.2021	14:27:51	S	3428.27	E	216.23	59	60	6	190.00	21.66	53	10.51	0.00	0.16	-0.36	
04.23.2021	14:28:57	S	3428.29	E	216.46	55	56	9	189.71	21.62	45	10.50	0.00	0.15	-0.35	
04.23.2021	14:29:57	S	3428.31	E	216.71	58	60	7	189.76	21.65	52	10.49	0.00	0.14	-0.35	
04.23.2021	14:30:57	S	3428.32	E	216.93	58	59	8	189.50	21.69	49	10.50	0.00	0.15	0.75	
04.23.2021	14:31:57	S	3428.34	E	217.16	53	54	5	189.26	21.63	48	10.51	0.00	0.15	0.81	
04.23.2021	14:32:57	S	3428.36	E	217.42	60	60	2	188.85	21.63	57	10.52	0.00	0.16	0.79	
04.23.2021	14:33:57	S	3428.37	E	217.61	55	56	4	188.93	21.67	51	10.51	0.00	0.15	0.75	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0						Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	14:34:57	S	3428.39	E	217.85	53	55	3	189.08	21.72	50	10.53	0.00	0.14	0.76
04.23.2021	14:35:57	S	3428.41	E	218.09	56	57	6	189.04	21.75	49	10.50	0.00	0.13	-0.35
04.23.2021	14:36:57	S	3428.43	E	218.35	52	53	7	188.82	21.72	45	10.51	0.00	0.15	-0.36
04.23.2021	14:37:57	S	3428.44	E	218.58	53	55	7	188.78	21.69	46	10.52	0.00	0.15	-0.35
04.23.2021	14:38:52	S	3428.46	E	218.8	57	59	3	188.78	21.69	55	10.52	0.00	0.14	-0.38
04.23.2021	14:39:52	S	3428.48	E	219.04	55	55	5	188.72	21.69	49	10.50	0.00	0.15	-0.36
04.23.2021	14:40:52	S	3428.5	E	219.28	55	57	1	188.98	21.72	53	10.51	0.00	0.14	0.69
04.23.2021	14:41:52	S	3428.52	E	219.53	57	57	3	188.85	21.72	53	10.51	0.00	0.16	0.68
04.23.2021	14:42:52	S	3428.53	E	219.74	51	52	2	188.95	21.80	49	10.51	0.00	0.15	0.70
04.23.2021	14:43:52	S	3428.56	E	220.02	56	58	4	188.93	21.73	52	10.51	0.00	0.15	1.11
04.23.2021	14:44:52	S	3428.57	E	220.26	57	59	5	188.78	21.70	53	10.51	0.00	0.14	0.89
04.23.2021	14:45:52	S	3428.59	E	220.46	48	50	3	188.76	21.74	45	10.52	0.00	0.16	-0.37
04.23.2021	14:46:52	S	3428.6	E	220.67	53	54	8	188.59	21.65	44	10.50	0.00	0.14	-0.37
04.23.2021	14:47:52	S	3428.6	E	220.93	60	60	6	188.93	21.77	53	10.51	0.00	0.14	-0.36
04.23.2021	14:48:55	S	3428.6	E	221.2	55	57	4	188.87	21.73	52	10.51	0.00	0.15	-0.36
04.23.2021	14:49:55	S	3428.6	E	221.42	58	59	3	189.17	21.80	55	10.51	0.00	0.14	-0.37
04.23.2021	14:50:55	S	3428.62	E	221.63	55	56	2	188.85	21.69	53	10.54	0.00	0.15	0.76
04.23.2021	14:51:55	S	3428.63	E	221.89	49	52	1	188.89	21.77	50	10.51	0.00	0.15	0.82
04.23.2021	14:52:55	S	3428.64	E	222.11	54	55	1	188.76	21.71	53	10.51	0.00	0.15	1.03
04.23.2021	14:53:55	S	3428.64	E	222.11	53	54	3	188.32	21.64	50	10.50	0.00	0.13	0.85
04.23.2021	14:54:55	S	3428.64	E	222.6	52	54	3	188.11	21.63	49	10.50	0.00	0.15	0.94
04.23.2021	14:55:55	S	3428.65	E	222.83	58	60	5	187.89	21.61	54	10.51	0.00	0.17	0.80
04.23.2021	14:56:55	S	3428.65	E	223.07	54	54	7	187.54	21.61	47	10.52	0.00	0.14	-0.36
04.23.2021	14:57:55	S	3428.66	E	223.32	55	57	-1	187.48	21.65	56	10.51	0.00	0.15	-0.38
04.23.2021	14:58:53	S	3428.67	E	223.57	56	57	1	187.39	21.65	53	10.50	0.00	0.17	-0.36
04.23.2021	14:59:53	S	3428.68	E	223.78	52	53	2	187.37	21.57	50	10.50	0.00	0.12	-0.36
04.23.2021	15:00:53	S	3428.68	E	224.04	55	56	-1	187.37	21.62	56	10.50	0.00	0.15	-0.36
04.23.2021	15:01:53	S	3428.68	E	224.26	54	55	5	187.33	21.59	49	10.51	0.00	0.14	1.48
04.23.2021	15:02:53	S	3428.69	E	224.52	52	53	4	187.09	21.48	48	10.54	0.00	0.16	1.08
04.23.2021	15:03:53	S	3428.69	E	224.77	56	58	6	187.59	21.61	51	10.50	0.00	0.15	0.78
04.23.2021	15:04:53	S	3428.7	E	225	57	57	6	187.39	21.55	50	10.51	0.00	0.15	0.70
04.23.2021	15:05:53	S	3428.7	E	225.22	52	53	4	187.48	21.55	49	10.52	0.00	0.15	0.69
04.23.2021	15:06:53	S	3428.7	E	225.46	55	56	4	187.43	21.48	51	10.51	0.00	0.15	-0.36
04.23.2021	15:07:53	S	3428.71	E	225.69	52	52	1	187.52	21.48	51	10.50	0.00	0.13	-0.36
04.23.2021	15:08:48	S	3428.71	E	225.94	49	51	1	187.65	21.49	49	10.52	0.00	0.15	-0.38
04.23.2021	15:09:48	S	3428.71	E	226.21	54	55	3	187.80	21.45	49	10.50	0.00	0.15	-0.36
04.23.2021	15:10:48	S	3428.71	E	226.44	53	54	2	187.74	21.46	51	10.50	0.00	0.15	-0.35
04.23.2021	15:11:48	S	3428.71	E	226.67	50	51	0	187.70	21.42	50	10.51	0.00	0.15	0.71

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	15:12:48	S	3428.72	E	226.92	55	56	4	187.93	21.39	51	10.48	0.00	0.14	0.72	
04.23.2021	15:13:48	S	3428.72	E	227.02	-6	-5	-4	187.80	21.48	-3	10.51	0.00	0.13	0.96	
04.23.2021	15:14:48	S	3428.73	E	227.41	-7	-5	-4	183.38	21.56	-3	10.51	0.00	0.14	0.54	
04.23.2021	15:15:48	S	3428.73	E	227.62	-7	-5	-4	178.54	21.63	-2	10.51	0.00	0.15	0.06	
04.23.2021	15:16:48	S	3428.74	E	227.88	-9	-6	-5	174.41	21.71	-3	10.51	0.00	0.15	-0.36	
04.23.2021	15:17:48	S	3428.74	E	228.12	-6	-5	-4	171.38	21.89	-3	10.52	0.00	0.19	-0.36	
04.23.2021	15:18:57	S	3428.74	E	228.35	-7	-5	-4	168.51	22.18	-2	10.52	0.00	0.15	-0.36	
04.23.2021	15:19:57	S	3428.74	E	228.35	-8	-5	-4	165.82	22.63	-3	10.51	0.00	0.14	-0.33	
04.23.2021	15:20:57	S	3428.75	E	228.82	-6	-6	-5	163.43	23.24	-4	10.49	0.00	0.13	-0.37	
04.23.2021	15:21:57	S	3428.75	E	229.03	-7	-6	-4	161.52	23.69	-2	10.52	0.00	0.15	-0.36	
04.23.2021	15:22:57	S	3428.76	E	229.28	-7	-6	-5	159.85	24.28	-2	10.50	0.00	0.16	-0.12	
04.23.2021	15:23:57	S	3428.76	E	229.54	-8	-6	-4	157.90	24.65	-3	10.51	0.00	0.13	-0.14	
04.23.2021	15:24:57	S	3428.76	E	229.76	-7	-6	-6	156.34	25.00	-1	10.53	0.00	0.15	-0.15	
04.23.2021	15:25:57	S	3428.76	E	230.04	-7	-6	-4	154.60	25.17	-3	10.50	0.00	0.14	-0.13	
04.23.2021	15:26:57	S	3428.76	E	230.22	-7	-6	-4	153.23	25.33	-3	10.50	0.00	0.15	-0.13	
04.23.2021	15:27:57	S	3428.77	E	230.5	-7	-6	-4	152.08	25.51	-3	10.52	0.00	0.15	-0.38	
04.23.2021	15:28:55	S	3428.77	E	230.75	-7	-6	-4	150.54	25.61	-3	10.51	0.00	0.14	-0.38	
04.23.2021	15:29:55	S	3428.76	E	230.99	-7	-6	-4	149.33	25.72	-3	10.52	0.00	0.16	-0.35	
04.23.2021	15:30:55	S	3428.77	E	231.24	-3	-0	-5	147.79	25.14	3	10.52	0.00	0.14	8.62	
04.23.2021	15:31:55	S	3428.77	E	231.44	11	13	-2	148.03	24.25	13	10.50	0.00	0.14	5.26	
04.23.2021	15:32:55	S	3428.77	E	231.71	55	56	3	157.31	23.18	52	10.52	0.00	0.16	-0.36	
04.23.2021	15:33:55	S	3428.77	E	231.93	75	75	2	165.00	22.29	73	10.51	0.00	0.11	-0.36	
04.23.2021	15:34:55	S	3428.77	E	232.19	54	55	-1	171.09	21.75	54	10.51	0.00	0.12	-0.38	
04.23.2021	15:35:55	S	3428.77	E	232.44	57	58	0	174.31	21.51	57	10.52	0.00	0.12	-0.38	
04.23.2021	15:36:55	S	3428.77	E	232.64	54	55	5	176.95	21.46	49	10.51	0.00	0.15	-0.36	
04.23.2021	15:37:55	S	3428.78	E	232.88	59	61	5	178.65	21.36	54	10.52	0.00	0.15	-0.20	
04.23.2021	15:38:53	S	3428.79	E	233.19	56	57	7	179.97	21.38	49	10.51	0.00	0.15	-0.36	
04.23.2021	15:39:53	S	3428.8	E	233.4	47	49	4	180.92	21.35	44	10.52	0.00	0.15	-0.37	
04.23.2021	15:40:53	S	3428.81	E	233.64	56	57	2	181.62	21.33	54	10.52	0.00	0.13	-0.35	
04.23.2021	15:41:53	S	3428.81	E	233.9	56	56	2	182.25	21.30	54	10.51	0.00	0.15	-0.33	
04.23.2021	15:42:53	S	3428.82	E	234.16	52	54	2	182.66	21.32	51	10.50	0.00	0.15	0.77	
04.23.2021	15:43:53	S	3428.82	E	234.35	56	57	2	182.73	21.26	54	10.51	0.00	0.15	0.56	
04.23.2021	15:44:53	S	3428.83	E	234.64	52	53	3	183.01	21.34	49	10.51	0.00	0.14	1.17	
04.23.2021	15:45:53	S	3428.84	E	234.85	48	50	0	183.40	21.33	48	10.51	0.00	0.15	1.04	
04.23.2021	15:46:53	S	3428.85	E	235.11	54	55	4	183.46	21.33	50	10.52	0.00	0.15	0.33	
04.23.2021	15:47:53	S	3428.85	E	235.35	51	52	5	183.90	21.33	46	10.51	0.00	0.16	-0.35	
04.23.2021	15:48:54	S	3428.86	E	235.62	52	55	3	184.33	21.39	50	10.51	0.00	0.17	-0.36	
04.23.2021	15:49:54	S	3428.86	E	235.84	56	56	5	184.64	21.41	51	10.50	0.00	0.14	-0.35	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0						Hull No. : SC271							
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	15:50:54	S	3428.86	E	236.1	54	54	4	184.81	21.41	49	10.51	0.00	0.14	-0.38
04.23.2021	15:51:54	S	3428.87	E	236.32	57	58	0	185.11	21.45	56	10.51	0.00	0.14	-0.35
04.23.2021	15:52:54	S	3428.89	E	236.59	56	57	1	185.48	21.46	55	10.50	0.00	0.15	-0.37
04.23.2021	15:53:54	S	3428.91	E	236.81	50	50	4	185.59	21.43	46	10.51	0.00	0.16	0.07
04.23.2021	15:54:54	S	3428.93	E	237.07	50	52	1	185.46	21.39	50	10.51	0.00	0.15	0.07
04.23.2021	15:55:54	S	3428.95	E	237.33	54	55	4	185.98	21.46	50	10.50	0.00	0.15	0.12
04.23.2021	15:56:54	S	3428.96	E	237.57	50	52	4	186.26	21.45	46	10.51	0.00	0.15	0.10
04.23.2021	15:57:54	S	3428.97	E	237.79	57	59	6	186.41	21.45	51	10.51	0.00	0.13	0.11
04.23.2021	15:58:59	S	3428.99	E	238.07	56	56	5	186.76	21.48	51	10.50	0.00	0.16	-0.36
04.23.2021	15:59:59	S	3429.01	E	238.3	50	51	4	186.83	21.48	46	10.54	0.00	0.15	-0.35
04.23.2021	16:00:59	S	3429.03	E	238.54	58	59	2	187.20	21.52	56	10.51	0.00	0.15	-0.36
04.23.2021	16:01:59	S	3429.04	E	238.8	55	55	3	187.24	21.48	51	10.51	0.00	0.16	-0.38
04.23.2021	16:02:59	S	3429.06	E	239.02	50	52	1	187.41	21.48	49	10.51	0.00	0.14	-0.35
04.23.2021	16:03:59	S	3429.08	E	239.27	56	58	2	187.39	21.46	54	10.53	0.00	0.15	0.13
04.23.2021	16:04:59	S	3429.09	E	239.5	52	53	4	187.43	21.43	48	10.51	0.00	0.14	0.17
04.23.2021	16:05:59	S	3429.1	E	239.73	50	52	1	187.37	21.39	49	10.51	0.00	0.15	0.21
04.23.2021	16:06:59	S	3429.12	E	240.01	56	57	4	187.59	21.45	54	10.51	0.00	0.14	0.37
04.23.2021	16:07:59	S	3429.14	E	240.27	51	51	7	187.63	21.46	44	10.50	0.00	0.16	0.43
04.23.2021	16:08:55	S	3429.15	E	240.49	50	52	1	187.48	21.45	50	10.50	0.00	0.15	-0.36
04.23.2021	16:09:55	S	3429.17	E	240.73	54	55	4	187.50	21.46	49	10.52	0.00	0.15	-0.36
04.23.2021	16:10:55	S	3429.18	E	240.97	52	52	2	187.50	21.46	50	10.50	0.00	0.17	-0.36
04.23.2021	16:11:55	S	3429.2	E	241.22	55	57	-2	187.61	21.46	57	10.51	0.00	0.16	-0.37
04.23.2021	16:12:55	S	3429.22	E	241.49	54	55	2	187.70	21.48	52	10.50	0.00	-0.02	-0.36
04.23.2021	16:13:55	S	3429.23	E	241.7	52	53	4	187.85	21.49	48	10.50	0.00	0.14	0.24
04.23.2021	16:14:55	S	3429.24	E	241.95	58	59	5	187.85	21.43	52	10.51	0.00	0.15	0.24
04.23.2021	16:15:55	S	3429.26	E	242.18	56	56	5	188.17	21.49	50	10.51	0.00	0.17	0.26
04.23.2021	16:16:55	S	3429.27	E	242.44	49	50	4	188.24	21.52	45	10.52	0.00	0.16	1.10
04.23.2021	16:17:55	S	3429.28	E	242.71	57	58	4	188.48	21.55	54	10.51	0.00	0.16	0.59
04.23.2021	16:18:54	S	3429.29	E	242.95	55	55	2	188.54	21.54	53	10.51	0.00	0.15	0.29
04.23.2021	16:19:54	S	3429.3	E	243.18	51	53	0	188.87	21.57	51	10.50	0.00	0.16	-0.37
04.23.2021	16:20:54	S	3429.31	E	243.42	54	56	-0	188.89	21.55	55	10.51	0.00	0.15	-0.35
04.23.2021	16:21:54	S	3429.33	E	243.68	52	52	2	188.95	21.56	50	10.51	0.00	0.16	-0.36
04.23.2021	16:22:54	S	3429.34	E	243.9	50	51	1	189.19	21.59	49	10.51	0.00	0.16	-0.35
04.23.2021	16:23:54	S	3429.36	E	244.18	54	55	4	189.17	21.52	51	10.49	0.00	0.14	-0.35
04.23.2021	16:24:54	S	3429.37	E	244.41	51	52	6	189.19	21.51	44	10.51	0.00	0.15	0.20
04.23.2021	16:25:54	S	3429.38	E	244.65	53	55	-2	189.19	21.49	56	10.51	0.00	0.15	0.22
04.23.2021	16:26:54	S	3429.39	E	244.92	56	57	5	189.15	21.52	51	10.49	0.00	0.16	0.21
04.23.2021	16:27:54	S	3429.4	E	245.12	52	52	5	189.19	21.49	47	10.52	0.00	0.15	0.21

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	16:28:56	S	3429.42	E	245.42	51	53	0	189.19	21.51	51	10.50	0.00	0.13	0.29	
04.23.2021	16:29:56	S	3429.43	E	245.64	52	53	0	189.00	21.49	52	10.51	0.00	0.17	-0.35	
04.23.2021	16:30:56	S	3429.44	E	245.91	51	52	-1	188.74	21.48	51	10.51	0.00	0.15	-0.36	
04.23.2021	16:31:56	S	3429.44	E	246.14	56	58	1	188.63	21.48	56	10.52	0.00	0.15	-0.38	
04.23.2021	16:32:56	S	3429.46	E	246.38	54	55	4	188.56	21.50	50	10.51	0.00	0.15	-0.36	
04.23.2021	16:33:56	S	3429.47	E	246.63	51	52	4	188.30	21.45	47	10.51	0.00	0.15	-0.36	
04.23.2021	16:34:56	S	3429.48	E	246.88	51	52	4	188.17	21.42	47	10.51	0.00	0.15	0.20	
04.23.2021	16:35:56	S	3429.5	E	247.15	52	53	3	188.02	21.42	49	10.50	0.00	0.15	0.22	
04.23.2021	16:36:56	S	3429.5	E	247.2	-6	-5	-4	187.13	21.45	-2	10.52	0.00	0.16	0.08	
04.23.2021	16:37:56	S	3429.51	E	247.63	-9	-5	-4	182.05	21.49	-3	10.50	0.00	0.16	-0.36	
04.23.2021	16:39:00	S	3429.52	E	247.71	-7	-6	-4	177.39	21.59	-3	10.50	0.00	0.15	-0.36	
04.23.2021	16:40:00	S	3429.53	E	248.13	-6	-6	-4	174.07	21.67	-3	10.52	0.00	0.16	-0.36	
04.23.2021	16:41:00	S	3429.55	E	248.39	-7	-6	-4	170.81	21.85	-2	10.50	0.00	0.15	-0.35	
04.23.2021	16:42:00	S	3429.56	E	248.61	-1	-1	-4	168.01	22.06	3	10.51	0.00	0.12	2.24	
04.23.2021	16:43:00	S	3429.57	E	248.85	-11	-9	-4	165.34	22.03	-6	10.51	0.00	0.12	7.89	
04.23.2021	16:44:00	S	3429.57	E	249.1	54	55	4	167.38	21.72	50	10.50	0.00	0.14	5.83	
04.23.2021	16:45:00	S	3429.59	E	249.37	48	49	1	173.78	21.49	48	10.53	0.00	0.15	1.90	
04.23.2021	16:46:00	S	3429.6	E	249.63	49	50	1	178.13	21.48	47	10.51	0.00	0.15	-0.36	
04.23.2021	16:47:00	S	3429.61	E	249.83	51	52	-1	180.36	21.39	52	10.52	0.00	0.14	-0.36	
04.23.2021	16:48:00	S	3429.62	E	250.12	47	48	1	182.27	21.36	46	10.52	0.00	0.14	-0.38	
04.23.2021	16:48:55	S	3429.63	E	250.34	-6	-6	-4	182.64	21.31	-3	10.51	0.00	0.12	-0.37	
04.23.2021	16:49:55	S	3429.64	E	250.61	-6	-5	-4	177.67	21.31	-3	10.51	0.00	0.14	-0.35	
04.23.2021	16:50:55	S	3429.64	E	250.87	-7	-6	-5	172.68	21.31	-2	10.51	0.00	0.15	-0.06	
04.23.2021	16:51:55	S	3429.64	E	250.87	-7	-5	-4	169.16	21.36	-2	10.51	0.00	0.15	1.79	
04.23.2021	16:52:55	S	3429.67	E	251.36	-7	-5	-4	165.60	21.34	-2	10.52	0.00	0.14	1.58	
04.23.2021	16:53:55	S	3429.68	E	251.57	-7	-6	-4	162.57	21.32	-3	10.50	0.00	0.15	0.98	
04.23.2021	16:54:55	S	3429.69	E	251.84	-2	-1	-4	160.46	21.36	2	10.51	0.00	0.13	7.98	
04.23.2021	16:55:55	S	3429.71	E	252.07	1	2	-3	158.81	21.22	4	10.51	0.00	0.16	-0.38	
04.23.2021	16:56:55	S	3429.72	E	252.34	45	46	0	165.60	21.05	45	10.51	0.00	0.14	-0.37	
04.23.2021	16:57:55	S	3429.73	E	252.58	73	75	2	171.74	20.97	72	10.50	0.00	0.12	-0.37	
04.23.2021	16:58:55	S	3429.75	E	252.82	70	70	1	175.82	20.81	69	10.52	0.00	0.10	-0.38	
04.23.2021	16:59:55	S	3429.76	E	253.08	-11	-9	-4	178.19	20.78	-7	10.51	0.00	0.13	-0.37	
04.23.2021	17:00:55	S	3429.77	E	253.32	-7	-6	-4	174.41	20.75	-2	10.50	0.00	0.14	1.38	
04.23.2021	17:01:55	S	3429.78	E	253.55	-7	-6	-4	169.12	20.80	-3	10.51	0.00	0.14	-0.34	
04.23.2021	17:02:55	S	3429.8	E	253.8	-7	-5	-5	164.54	20.83	-3	10.49	0.00	0.15	-0.36	
04.23.2021	17:03:55	S	3429.81	E	254.06	-6	-6	-4	161.22	20.83	-2	10.52	0.00	0.14	-0.38	
04.23.2021	17:04:55	S	3429.81	E	254.28	-7	-6	-4	158.40	20.83	-3	10.52	0.00	0.13	-0.36	
04.23.2021	17:05:55	S	3429.82	E	254.54	-1	-1	-4	156.16	20.93	2	10.52	0.00	0.14	2.33	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	17:06:55	S	3429.83	E	254.77	-7	-6	-3	153.91	20.87	-4	10.52	0.00	0.09	9.52	
04.23.2021	17:07:55	S	3429.84	E	255.04	46	47	2	157.18	20.80	44	10.50	0.00	0.15	2.12	
04.23.2021	17:08:55	S	3429.85	E	255.27	53	54	3	165.54	20.77	50	10.52	0.00	0.15	-0.36	
04.23.2021	17:09:55	S	3429.86	E	255.53	46	48	1	171.48	20.84	46	10.51	0.00	0.08	0.20	
04.23.2021	17:10:55	S	3429.87	E	255.77	52	52	1	174.74	20.85	51	10.52	0.00	0.14	-0.09	
04.23.2021	17:11:55	S	3429.88	E	255.99	47	48	3	177.28	20.90	44	10.52	0.00	0.15	-0.35	
04.23.2021	17:12:55	S	3429.89	E	256.25	52	53	5	178.84	20.83	47	10.50	0.00	0.14	-0.38	
04.23.2021	17:13:55	S	3429.9	E	256.48	49	49	2	180.21	20.83	47	10.52	0.00	0.14	-0.37	
04.23.2021	17:14:55	S	3429.91	E	256.75	50	51	-3	181.49	20.86	53	10.53	0.00	0.18	-0.35	
04.23.2021	17:15:55	S	3429.93	E	256.99	51	51	2	182.03	20.72	47	10.52	0.00	0.15	-0.35	
04.23.2021	17:16:55	S	3429.94	E	257.23	48	50	2	182.79	20.66	46	10.51	0.00	0.13	0.29	
04.23.2021	17:17:55	S	3429.95	E	257.45	49	50	4	183.49	20.69	45	10.51	0.00	0.14	0.24	
04.23.2021	17:18:58	S	3429.96	E	257.72	49	51	-1	183.94	20.64	50	10.51	0.00	0.15	0.31	
04.23.2021	17:19:58	S	3429.97	E	257.91	54	55	1	184.31	20.59	51	10.52	0.00	0.16	0.44	
04.23.2021	17:20:58	S	3429.99	E	258.21	48	49	1	184.70	20.59	47	10.53	0.00	0.16	0.50	
04.23.2021	17:21:58	S	3430	E	258.42	51	53	3	185.03	20.59	49	10.51	0.00	0.15	-0.37	
04.23.2021	17:22:58	S	3430.01	E	258.7	47	47	3	185.26	20.54	44	10.53	0.00	0.16	-0.38	
04.23.2021	17:23:58	S	3430.02	E	258.89	50	51	-1	185.68	20.57	51	10.52	0.00	0.17	-0.36	
04.23.2021	17:24:58	S	3430.03	E	259.17	49	49	4	185.96	20.60	45	10.51	0.00	0.14	-0.46	
04.23.2021	17:25:58	S	3430.04	E	259.39	53	54	5	185.83	20.56	49	10.52	0.00	0.16	-0.34	
04.23.2021	17:26:58	S	3430.05	E	259.66	50	50	5	185.87	20.55	45	10.50	0.00	0.15	0.10	
04.23.2021	17:27:58	S	3430.06	E	259.9	51	53	-1	185.98	20.56	52	10.51	0.00	0.15	0.13	
04.23.2021	17:28:55	S	3430.08	E	300.13	51	51	2	185.83	20.52	49	10.51	0.00	0.18	0.16	
04.23.2021	17:29:55	S	3430.09	E	300.39	49	51	2	185.89	20.46	47	10.51	0.00	0.15	0.14	
04.23.2021	17:30:55	S	3430.11	E	300.63	50	51	4	186.07	20.53	46	10.51	0.00	0.16	0.13	
04.23.2021	17:31:55	S	3430.12	E	300.85	46	49	-1	186.18	20.49	48	10.50	0.00	0.15	-0.35	
04.23.2021	17:32:55	S	3430.13	E	301.08	50	52	1	186.39	20.45	50	10.50	0.00	0.15	-0.35	
04.23.2021	17:33:55	S	3430.14	E	301.33	46	47	-1	186.68	20.50	46	10.52	0.00	0.16	-0.36	
04.23.2021	17:34:55	S	3430.16	E	301.56	51	52	5	186.65	20.49	46	10.51	0.00	0.14	-0.35	
04.23.2021	17:35:55	S	3430.18	E	301.85	45	46	0	186.76	20.49	44	10.51	0.00	0.15	-0.36	
04.23.2021	17:36:55	S	3430.19	E	302.04	50	51	0	186.78	20.48	50	10.51	0.00	0.15	-0.37	
04.23.2021	17:37:55	S	3430.2	E	302.25	48	48	5	187.02	20.49	42	10.52	0.00	0.15	-0.11	
04.23.2021	17:38:53	S	3430.2	E	302.25	52	52	4	187.11	20.46	47	10.52	0.00	0.15	0.76	
04.23.2021	17:39:53	S	3430.23	E	302.81	50	51	5	187.22	20.46	44	10.52	0.00	0.15	0.67	
04.23.2021	17:40:53	S	3430.24	E	303.02	51	53	-1	187.33	20.42	53	10.50	0.00	0.15	0.36	
04.23.2021	17:41:53	S	3430.26	E	303.25	50	50	1	187.41	20.43	49	10.51	0.00	0.14	0.16	
04.23.2021	17:42:53	S	3430.27	E	303.53	50	51	-1	187.39	20.38	50	10.52	0.00	0.17	-0.37	
04.23.2021	17:43:53	S	3430.29	E	303.77	50	51	5	187.28	20.38	45	10.52	0.00	0.14	-0.36	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	17:44:53	S	3430.3	E	304.02	46	48	0	187.20	20.38	46	10.52	0.00	0.15	-0.35	
04.23.2021	17:45:53	S	3430.31	E	304.25	52	52	-1	187.20	20.36	52	10.51	0.00	0.14	-0.36	
04.23.2021	17:46:53	S	3430.32	E	304.44	44	46	-1	187.13	20.35	46	10.52	0.00	0.17	-0.36	
04.23.2021	17:47:53	S	3430.34	E	304.69	49	50	4	187.11	20.28	45	10.51	0.00	0.15	0.07	
04.23.2021	17:48:56	S	3430.36	E	304.96	44	46	1	187.09	20.28	43	10.50	0.00	0.15	0.25	
04.23.2021	17:49:56	S	3430.37	E	305.17	52	53	0	187.22	20.28	51	10.51	0.00	0.14	0.30	
04.23.2021	17:50:56	S	3430.38	E	305.43	47	47	0	187.59	20.34	47	10.51	0.00	0.15	0.26	
04.23.2021	17:51:56	S	3430.39	E	305.67	54	54	4	187.65	20.28	49	10.49	0.00	0.14	0.21	
04.23.2021	17:52:56	S	3430.41	E	305.93	49	49	5	187.89	20.28	44	10.51	0.00	0.16	-0.37	
04.23.2021	17:53:56	S	3430.42	E	306.16	50	52	-1	188.30	20.32	51	10.51	0.00	0.15	-0.36	
04.23.2021	17:54:56	S	3430.44	E	306.4	51	51	1	188.45	20.34	50	10.52	0.00	0.16	-0.36	
04.23.2021	17:55:56	S	3430.45	E	306.66	51	53	-1	188.37	20.25	52	10.51	0.00	0.16	-0.36	
04.23.2021	17:56:56	S	3430.47	E	306.88	54	55	4	188.56	20.28	50	10.50	0.00	0.15	-0.38	
04.23.2021	17:57:56	S	3430.48	E	307.11	46	49	0	188.56	20.24	47	10.51	0.00	0.17	0.20	
04.23.2021	17:58:55	S	3430.5	E	307.35	52	53	-1	188.87	20.31	53	10.50	0.00	0.14	0.16	
04.23.2021	17:59:55	S	3430.51	E	307.57	45	46	2	188.72	20.28	43	10.52	0.00	0.15	0.17	
04.23.2021	18:00:55	S	3430.51	E	307.81	52	53	4	188.63	20.21	48	10.53	0.00	0.15	0.14	
04.23.2021	18:01:55	S	3430.51	E	308.08	48	49	6	188.82	20.29	42	10.52	0.00	0.15	0.16	
04.23.2021	18:02:55	S	3430.52	E	308.27	54	54	1	189.08	20.33	53	10.52	0.00	0.15	0.18	
04.23.2021	18:03:55	S	3430.52	E	308.53	49	49	2	188.98	20.34	46	10.52	0.00	0.15	-0.36	
04.23.2021	18:04:55	S	3430.52	E	308.78	50	51	5	188.56	20.24	45	10.51	0.00	0.15	-0.37	
04.23.2021	18:05:55	S	3430.52	E	309.02	48	49	4	188.56	20.28	43	10.52	0.00	0.15	-0.38	
04.23.2021	18:06:55	S	3430.51	E	309.21	53	55	1	188.35	20.24	53	10.51	0.00	0.14	-0.36	
04.23.2021	18:07:55	S	3430.5	E	309.45	51	51	2	188.13	20.28	49	10.52	0.00	0.15	-0.36	
04.23.2021	18:08:54	S	3430.5	E	309.7	48	50	1	188.00	20.30	48	10.50	0.00	0.15	0.21	
04.23.2021	18:09:54	S	3430.5	E	309.94	49	50	5	187.83	20.25	44	10.51	0.00	0.15	0.20	
04.23.2021	18:10:54	S	3430.49	E	310.2	46	47	-1	187.70	20.25	47	10.50	0.00	0.15	0.22	
04.23.2021	18:11:54	S	3430.48	E	310.44	49	50	0	187.63	20.22	49	10.52	0.00	0.16	0.20	
04.23.2021	18:12:54	S	3430.48	E	310.65	47	48	2	188.00	20.31	45	10.51	0.00	0.15	0.23	
04.23.2021	18:13:54	S	3430.47	E	310.9	51	52	5	187.63	20.21	46	10.51	0.00	0.15	-0.37	
04.23.2021	18:14:54	S	3430.46	E	311.12	47	48	5	187.91	20.25	42	10.51	0.00	0.15	-0.35	
04.23.2021	18:15:54	S	3430.46	E	311.38	53	54	-1	187.91	20.22	54	10.52	0.00	0.14	-0.38	
04.23.2021	18:16:54	S	3430.45	E	311.62	50	50	2	188.04	20.20	46	10.52	0.00	0.15	-0.36	
04.23.2021	18:17:54	S	3430.45	E	311.82	53	54	5	188.06	20.18	49	10.51	0.00	0.14	-0.37	
04.23.2021	18:18:54	S	3430.44	E	312.07	49	49	6	188.37	20.21	42	10.52	0.00	0.15	0.26	
04.23.2021	18:19:54	S	3430.43	E	312.31	52	54	-2	188.59	20.28	54	10.51	0.00	0.15	0.27	
04.23.2021	18:20:54	S	3430.43	E	312.53	52	52	3	188.56	20.21	48	10.50	0.00	0.16	0.28	
04.23.2021	18:21:54	S	3430.42	E	312.76	51	52	1	188.41	20.15	50	10.52	0.00	0.16	0.23	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	18:22:54	S	3430.41	E	313.01	51	51	6	188.52	20.14	45	10.52	0.00	0.15	0.24	
04.23.2021	18:23:54	S	3430.4	E	313.26	46	48	-2	188.85	20.20	49	10.50	0.00	0.15	-0.38	
04.23.2021	18:24:54	S	3430.4	E	313.52	52	53	1	188.82	20.24	51	10.52	0.00	0.16	-0.36	
04.23.2021	18:25:54	S	3430.4	E	313.76	44	45	2	188.74	20.19	42	10.51	0.00	0.14	-0.35	
04.23.2021	18:26:54	S	3430.39	E	313.99	50	52	7	188.67	20.16	44	10.50	0.00	0.15	-0.36	
04.23.2021	18:27:54	S	3430.39	E	314.2	45	46	0	188.85	20.23	44	10.51	0.00	0.16	-0.38	
04.23.2021	18:28:52	S	3430.38	E	314.43	51	52	0	188.82	20.18	50	10.49	0.00	0.14	-0.36	
04.23.2021	18:29:52	S	3430.37	E	314.7	48	48	4	188.63	20.16	43	10.50	0.00	0.14	0.20	
04.23.2021	18:30:52	S	3430.36	E	314.94	51	53	6	188.56	20.15	45	10.50	0.00	0.14	0.22	
04.23.2021	18:31:52	S	3430.35	E	315.18	48	49	6	188.63	20.22	43	10.52	0.00	0.15	0.30	
04.23.2021	18:32:52	S	3430.34	E	315.42	53	55	1	188.37	20.21	52	10.51	0.00	0.14	0.33	
04.23.2021	18:33:52	S	3430.34	E	315.64	54	54	4	188.30	20.16	51	10.51	0.00	0.16	0.33	
04.23.2021	18:34:52	S	3430.34	E	315.89	52	53	1	188.11	20.16	51	10.51	0.00	0.15	-0.34	
04.23.2021	18:35:52	S	3430.35	E	316.13	51	52	5	188.35	20.25	46	10.49	0.00	0.15	-0.37	
04.23.2021	18:36:52	S	3430.35	E	316.33	46	48	1	188.02	20.19	45	10.53	0.00	0.15	-0.37	
04.23.2021	18:37:52	S	3430.36	E	316.6	49	50	-0	188.13	20.25	49	10.50	0.00	0.15	-0.36	
04.23.2021	18:38:54	S	3430.35	E	316.82	47	48	2	187.93	20.19	44	10.52	0.00	0.15	-0.37	
04.23.2021	18:39:54	S	3430.35	E	317.04	52	53	5	188.45	20.26	47	10.52	0.00	0.15	0.77	
04.23.2021	18:40:54	S	3430.35	E	317.27	47	49	4	188.65	20.25	43	10.52	0.00	0.16	0.89	
04.23.2021	18:41:54	S	3430.35	E	317.49	53	54	3	188.32	20.15	50	10.50	0.00	0.15	0.54	
04.23.2021	18:42:54	S	3430.35	E	317.76	49	50	0	188.89	20.28	48	10.52	0.00	0.15	0.38	
04.23.2021	18:43:54	S	3430.35	E	317.97	48	50	3	188.93	20.24	45	10.52	0.00	0.14	-0.34	
04.23.2021	18:44:54	S	3430.35	E	318.21	50	50	8	188.95	20.19	42	10.52	0.00	0.15	-0.34	
04.23.2021	18:45:54	S	3430.36	E	318.45	48	49	0	189.13	20.19	47	10.51	0.00	0.13	0.47	
04.23.2021	18:46:54	S	3430.36	E	318.69	52	52	2	189.13	20.19	50	10.52	0.00	0.14	0.23	
04.23.2021	18:47:54	S	3430.36	E	318.92	46	48	4	189.28	20.16	42	10.51	0.00	0.16	0.15	
04.23.2021	18:48:58	S	3430.37	E	319.14	54	55	6	189.61	20.19	49	10.52	0.00	0.17	0.15	
04.23.2021	18:49:58	S	3430.38	E	319.42	46	47	-0	189.37	20.11	46	10.51	0.00	0.15	-0.37	
04.23.2021	18:50:58	S	3430.38	E	319.6	52	53	0	189.67	20.14	52	10.51	0.00	0.28	-0.37	
04.23.2021	18:51:58	S	3430.38	E	319.88	48	48	6	189.37	20.04	41	10.52	0.00	0.15	-0.36	
04.23.2021	18:52:58	S	3430.39	E	320.1	52	53	5	189.41	19.98	46	10.52	0.00	0.15	-0.34	
04.23.2021	18:53:58	S	3430.39	E	320.31	51	52	5	189.58	20.01	46	10.52	0.00	0.15	-0.36	
04.23.2021	18:54:58	S	3430.4	E	320.56	52	54	-4	189.69	20.01	56	10.50	0.00	0.17	0.32	
04.23.2021	18:55:58	S	3430.41	E	320.77	50	51	2	189.15	19.97	47	10.52	0.00	0.15	0.33	
04.23.2021	18:56:58	S	3430.42	E	321.02	47	49	2	188.93	20.01	46	10.51	0.00	0.14	0.33	
04.23.2021	18:57:58	S	3430.44	E	321.25	49	50	3	188.67	20.04	46	10.52	0.00	0.14	0.38	
04.23.2021	18:58:55	S	3430.45	E	321.51	45	46	-0	188.37	19.99	45	10.51	0.00	0.14	0.37	
04.23.2021	18:59:55	S	3430.46	E	321.7	50	51	-1	188.32	20.04	51	10.52	0.00	0.15	-0.35	

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	19:00:55	S	3430.47	E	321.96	45	47	4	188.30	20.08	43	10.52	0.00	0.14	-0.36
04.23.2021	19:01:55	S	3430.48	E	322.17	53	54	6	187.80	19.98	47	10.50	0.00	0.16	-0.36
04.23.2021	19:02:55	S	3430.49	E	322.4	48	49	4	188.02	20.07	44	10.52	0.00	0.15	-0.33
04.23.2021	19:03:55	S	3430.52	E	322.65	53	53	1	188.15	20.15	52	10.51	0.00	0.16	-0.35
04.23.2021	19:04:55	S	3430.54	E	322.86	45	45	1	187.89	20.07	44	10.51	0.00	0.16	-0.35
04.23.2021	19:05:55	S	3430.57	E	323.14	51	52	3	187.63	20.00	47	10.52	0.00	0.15	0.36
04.23.2021	19:06:55	S	3430.58	E	323.35	47	47	6	187.93	20.14	39	10.49	0.00	0.15	0.36
04.23.2021	19:07:55	S	3430.6	E	323.6	50	52	-1	187.96	20.12	51	10.51	0.00	0.16	0.35
04.23.2021	19:08:53	S	3430.62	E	323.79	50	50	1	188.02	20.09	48	10.52	0.00	0.15	0.37
04.23.2021	19:09:53	S	3430.64	E	324.02	49	51	-0	188.04	20.12	50	10.52	0.00	0.15	0.34
04.23.2021	19:10:53	S	3430.66	E	324.26	51	52	4	188.06	20.11	47	10.50	0.00	0.17	-0.37
04.23.2021	19:11:53	S	3430.69	E	324.51	46	47	-0	188.17	20.18	46	10.54	0.00	0.15	-0.36
04.23.2021	19:12:53	S	3430.71	E	324.74	50	51	-2	188.15	20.15	52	10.51	0.00	0.15	-0.36
04.23.2021	19:13:53	S	3430.73	E	324.97	45	47	-2	188.13	20.10	49	10.50	0.00	0.15	-0.36
04.23.2021	19:14:53	S	3430.75	E	325.21	53	53	2	188.35	20.18	50	10.53	0.00	0.15	-0.38
04.23.2021	19:15:53	S	3430.77	E	325.39	46	46	3	188.43	20.19	43	10.51	0.00	0.17	0.35
04.23.2021	19:16:53	S	3430.8	E	325.65	51	52	-0	188.32	20.12	51	10.50	0.00	0.13	0.22
04.23.2021	19:17:53	S	3430.82	E	325.87	47	48	-1	188.41	20.15	48	10.51	0.00	0.15	0.35
04.23.2021	19:19:00	S	3430.83	E	326.08	54	55	2	188.52	20.18	53	10.52	0.00	0.15	0.36
04.23.2021	19:20:00	S	3430.85	E	326.31	49	50	5	188.22	20.12	44	10.51	0.00	0.16	0.36
04.23.2021	19:21:00	S	3430.88	E	326.56	50	52	1	188.45	20.18	49	10.50	0.00	0.14	-0.33
04.23.2021	19:22:00	S	3430.9	E	326.79	49	50	3	188.32	20.14	46	10.53	0.00	0.15	-0.36
04.23.2021	19:23:00	S	3430.92	E	327.04	50	51	-1	188.06	20.09	50	10.51	0.00	0.14	-0.35
04.23.2021	19:24:00	S	3430.94	E	327.26	50	50	2	188.26	20.21	47	10.53	0.00	0.17	-0.34
04.23.2021	19:25:00	S	3430.96	E	327.45	46	48	1	188.30	20.24	46	10.50	0.00	0.16	-0.36
04.23.2021	19:26:00	S	3430.99	E	327.71	50	51	1	188.17	20.23	50	10.54	0.00	0.15	0.39
04.23.2021	19:27:00	S	3431.01	E	327.91	43	45	-1	188.06	20.26	45	10.51	0.00	0.18	0.39
04.23.2021	19:28:00	S	3431.04	E	328.17	51	52	2	188.26	20.28	49	10.51	0.00	0.15	0.40
04.23.2021	19:28:59	S	3431.06	E	328.43	46	47	2	188.41	20.30	43	10.54	0.00	0.15	0.43
04.23.2021	19:29:59	S	3431.08	E	328.64	51	52	4	188.45	20.29	47	10.51	0.00	0.13	0.39
04.23.2021	19:30:59	S	3431.1	E	328.84	48	49	-2	188.52	20.24	50	10.51	0.00	0.14	-0.36
04.23.2021	19:31:59	S	3431.12	E	329.09	52	53	0	188.59	20.29	51	10.52	0.00	0.15	-0.36
04.23.2021	19:32:59	S	3431.14	E	329.31	49	49	6	188.56	20.25	42	10.51	0.00	0.14	-0.36
04.23.2021	19:33:59	S	3431.16	E	329.51	51	53	3	188.78	20.31	49	10.50	0.00	0.14	-0.44
04.23.2021	19:34:59	S	3431.19	E	329.76	48	48	2	188.98	20.38	45	10.52	0.00	0.15	-0.36
04.23.2021	19:35:59	S	3431.2	E	330	49	51	-3	188.82	20.34	52	10.51	0.00	0.14	-0.36
04.23.2021	19:36:59	S	3431.21	E	330.23	53	53	2	188.87	20.33	50	10.52	0.00	0.15	0.41
04.23.2021	19:37:59	S	3431.22	E	330.45	50	52	2	189.13	20.40	48	10.51	0.00	0.15	0.41

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087		System Name: PaSOx_smart2.0							Hull No. : SC271						
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	19:38:57	S	3431.24	E	330.71	55	57	7	189.17	20.41	48	10.52	0.00	0.14	0.41
04.23.2021	19:39:57	S	3431.26	E	330.95	48	50	1	189.19	20.45	47	10.52	0.00	0.15	0.48
04.23.2021	19:40:57	S	3431.27	E	331.15	53	53	2	189.04	20.38	50	10.51	0.00	0.15	0.46
04.23.2021	19:41:57	S	3431.28	E	331.38	49	49	2	188.98	20.39	47	10.51	0.00	0.15	-0.38
04.23.2021	19:42:57	S	3431.29	E	331.64	53	54	4	188.78	20.36	50	10.51	0.00	0.16	-0.37
04.23.2021	19:43:57	S	3431.3	E	331.83	46	47	3	188.67	20.40	42	10.51	0.00	0.15	-0.36
04.23.2021	19:44:57	S	3431.32	E	332.09	50	51	1	188.22	20.36	49	10.50	0.00	0.16	-0.36
04.23.2021	19:45:57	S	3431.34	E	332.32	47	47	2	188.06	20.36	45	10.51	0.00	0.16	-0.36
04.23.2021	19:46:57	S	3431.35	E	332.55	50	52	5	187.65	20.25	46	10.50	0.00	0.15	0.36
04.23.2021	19:47:57	S	3431.37	E	332.81	48	49	6	188.02	20.34	42	10.51	0.00	0.15	0.34
04.23.2021	19:48:53	S	3431.37	E	333.02	51	52	-1	187.74	20.29	51	10.51	0.00	0.15	0.33
04.23.2021	19:49:53	S	3431.38	E	333.25	51	51	2	187.96	20.35	49	10.52	0.00	0.15	0.36
04.23.2021	19:50:53	S	3431.39	E	333.48	47	49	2	188.04	20.38	45	10.50	0.00	0.17	0.37
04.23.2021	19:51:53	S	3431.41	E	333.75	51	52	6	187.93	20.34	45	10.50	0.00	0.14	-0.35
04.23.2021	19:52:53	S	3431.41	E	333.94	47	49	-1	187.70	20.26	48	10.51	0.00	0.15	-0.35
04.23.2021	19:53:53	S	3431.43	E	334.17	50	51	1	187.96	20.35	50	10.51	0.00	0.15	-0.36
04.23.2021	19:54:53	S	3431.44	E	334.43	46	47	-0	188.06	20.34	46	10.51	0.00	0.14	-0.35
04.23.2021	19:55:53	S	3431.46	E	334.65	52	53	4	187.93	20.25	49	10.51	0.00	0.15	-0.35
04.23.2021	19:56:53	S	3431.47	E	334.88	45	47	4	188.13	20.29	41	10.51	0.00	0.16	0.43
04.23.2021	19:57:53	S	3431.49	E	335.12	50	51	-0	188.22	20.30	50	10.50	0.00	0.17	0.42
04.23.2021	19:59:00	S	3431.5	E	335.35	45	46	-0	188.17	20.31	46	10.50	0.00	0.15	0.42
04.23.2021	20:00:00	S	3431.51	E	335.61	51	52	4	188.06	20.28	47	10.49	0.00	0.14	0.40
04.23.2021	20:01:00	S	3431.52	E	335.82	48	49	6	188.11	20.28	42	10.50	0.00	0.14	0.41
04.23.2021	20:02:00	S	3431.53	E	336.03	52	54	4	188.17	20.28	49	10.51	0.00	0.15	0.42
04.23.2021	20:03:00	S	3431.55	E	336.3	50	51	2	188.17	20.26	48	10.52	0.00	0.15	-0.35
04.23.2021	20:04:00	S	3431.56	E	336.51	49	50	-1	188.17	20.33	50	10.51	0.00	0.18	-0.33
04.23.2021	20:05:00	S	3431.58	E	336.72	50	51	6	188.17	20.32	44	10.53	0.00	0.16	-0.38
04.23.2021	20:06:00	S	3431.59	E	336.95	47	48	3	188.32	20.31	43	10.51	0.00	0.16	-0.35
04.23.2021	20:07:00	S	3431.6	E	337.21	51	52	2	188.52	20.36	49	10.51	0.00	0.15	-0.28
04.23.2021	20:08:00	S	3431.62	E	337.46	47	49	1	188.43	20.32	46	10.51	0.00	0.15	0.42
04.23.2021	20:08:56	S	3431.63	E	337.66	54	54	6	188.41	20.30	48	10.52	0.00	0.15	0.44
04.23.2021	20:09:56	S	3431.64	E	337.92	46	48	5	188.37	20.34	42	10.51	0.00	0.15	0.44
04.23.2021	20:10:56	S	3431.66	E	338.14	52	53	3	188.26	20.31	49	10.52	0.00	0.15	0.45
04.23.2021	20:11:56	S	3431.67	E	338.37	49	49	2	188.11	20.28	46	10.52	0.00	0.15	0.45
04.23.2021	20:12:56	S	3431.68	E	338.61	54	54	0	188.32	20.35	53	10.52	0.00	0.15	-0.35
04.23.2021	20:13:56	S	3431.7	E	338.85	50	50	7	188.54	20.38	42	10.51	0.00	0.15	-0.33
04.23.2021	20:14:56	S	3431.71	E	339.07	53	55	4	188.65	20.35	49	10.51	0.00	0.15	-0.35
04.23.2021	20:15:56	S	3431.72	E	339.3	53	53	5	188.56	20.31	48	10.52	0.00	0.15	-0.36

3. Sampling Data (20210423)

Company Name: PANASIA IMO No. : 9764087						System Name: PaSOx_smart2.0					Hull No. : SC271				
DATE	TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	20:16:56	S	3431.74	E	339.55	54	55	-0	188.89	20.40	53	10.52	0.00	0.15	-0.35
04.23.2021	20:17:56	S	3431.75	E	339.75	54	54	6	188.76	20.36	48	10.51	0.00	0.13	0.44
04.23.2021	20:18:56	S	3431.76	E	340	49	52	2	188.87	20.35	48	10.51	0.00	0.15	0.45
04.23.2021	20:19:56	S	3431.77	E	340.24	53	54	1	188.82	20.32	51	10.47	0.00	0.14	0.45
04.23.2021	20:20:56	S	3431.78	E	340.46	48	49	1	188.65	20.25	45	10.50	0.00	0.14	0.46
04.23.2021	20:21:56	S	3431.79	E	340.68	54	55	4	188.89	20.25	50	10.52	0.00	0.15	0.46
04.23.2021	20:22:56	S	3431.81	E	340.93	47	48	5	188.89	20.29	43	10.51	0.00	0.13	-0.34
04.23.2021	20:23:56	S	3431.82	E	341.15	52	53	2	189.04	20.36	50	10.53	0.00	0.14	-0.36
04.23.2021	20:24:56	S	3431.82	E	341.4	47	48	2	188.93	20.30	45	10.50	0.00	0.15	-0.38
04.23.2021	20:25:56	S	3431.82	E	341.62	55	56	3	189.06	20.31	52	10.52	0.00	0.15	-0.33
04.23.2021	20:26:56	S	3431.83	E	341.85	52	52	9	188.65	20.23	43	10.49	0.00	0.17	-0.35
04.23.2021	20:27:56	S	3431.84	E	342.11	54	56	5	188.65	20.26	50	10.50	0.00	0.14	-0.38
04.23.2021	20:28:55	S	3431.84	E	342.33	51	51	3	188.72	20.29	49	10.53	0.00	0.15	0.50
04.23.2021	20:29:55	S	3431.85	E	342.58	53	54	-1	188.48	20.31	53	10.52	0.00	0.16	0.49
04.23.2021	20:30:55	S	3431.86	E	342.8	50	51	7	188.32	20.28	43	10.52	0.00	0.14	0.46
04.23.2021	20:31:55	S	3431.87	E	343.02	46	48	2	187.93	20.19	44	10.51	0.00	0.15	0.70
04.23.2021	20:32:55	S	3431.88	E	343.25	49	50	3	187.70	20.15	46	10.52	0.00	0.13	1.62
04.23.2021	20:33:55	S	3431.89	E	343.49	48	48	3	188.15	20.25	44	10.50	0.00	0.15	-0.35
04.23.2021	20:34:55	S	3431.89	E	343.72	53	53	3	188.00	20.21	50	10.50	0.00	0.15	-0.36
04.23.2021	20:35:55	S	3431.9	E	343.94	48	49	6	188.24	20.25	41	10.51	0.00	0.15	-0.35
04.23.2021	20:36:55	S	3431.91	E	344.21	54	55	7	188.24	20.22	47	10.51	0.00	0.14	-0.36
04.23.2021	20:37:55	S	3431.92	E	344.42	48	48	0	188.30	20.23	46	10.52	0.00	0.15	-0.35
04.23.2021	20:38:57	S	3431.93	E	344.65	52	53	-1	188.35	20.26	53	10.50	0.00	0.15	0.45
04.23.2021	20:39:57	S	3431.93	E	344.88	49	49	6	188.32	20.24	43	10.50	0.00	0.17	0.54
04.23.2021	20:40:57	S	3431.94	E	345.14	52	53	3	188.45	20.25	49	10.51	0.00	0.15	0.56
04.23.2021	20:41:57	S	3431.94	E	345.36	52	53	2	188.43	20.19	49	10.50	0.00	0.15	0.58
04.23.2021	20:42:57	S	3431.95	E	345.59	51	54	-0	188.63	20.26	52	10.51	0.00	0.14	0.56
04.23.2021	20:43:57	S	3431.96	E	345.82	54	53	4	188.48	20.18	49	10.51	0.00	0.15	-0.35
04.23.2021	20:44:57	S	3431.96	E	346.06	48	50	2	188.65	20.25	46	10.51	0.00	0.15	-0.37
04.23.2021	20:45:57	S	3431.97	E	346.28	52	53	4	188.82	20.29	48	10.50	0.00	0.16	-0.37
04.23.2021	20:46:57	S	3431.97	E	346.5	46	48	0	188.54	20.23	45	10.51	0.00	0.15	-0.35
04.23.2021	20:47:57	S	3431.98	E	346.73	53	54	3	188.54	20.28	51	10.52	0.00	0.15	-0.36
04.23.2021	20:48:52	S	3431.99	E	346.98	47	48	5	188.45	20.22	42	10.51	0.00	0.14	0.54
04.23.2021	20:49:52	S	3431.99	E	347.17	52	53	6	188.48	20.29	46	10.52	0.00	0.19	0.52
04.23.2021	20:50:52	S	3432.01	E	347.45	45	46	2	188.32	20.28	43	10.51	0.00	0.16	0.64
04.23.2021	20:51:52	S	3432.01	E	347.68	50	51	3	187.93	20.25	47	10.49	0.00	0.15	0.60
04.23.2021	20:52:52	S	3432.02	E	347.89	48	49	6	187.85	20.25	42	10.49	0.00	0.14	0.54
04.23.2021	20:53:52	S	3432.03	E	348.12	51	53	1	187.93	20.28	51	10.51	0.00	0.14	0.54

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DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	20:54:52	S	3432.03	E	348.34	51	52	4	187.85	20.31	47	10.50	0.00	0.16	-0.36	
04.23.2021	20:55:52	S	3432.05	E	348.58	53	55	-2	187.76	20.29	55	10.52	0.00	0.17	-0.35	
04.23.2021	20:56:52	S	3432.07	E	348.83	49	51	7	187.50	20.28	43	10.52	0.00	0.15	-0.35	
04.23.2021	20:57:52	S	3432.08	E	349.07	46	48	2	187.43	20.24	45	10.52	0.00	0.13	-0.36	
04.23.2021	20:58:56	S	3432.09	E	349.28	52	53	5	187.52	20.25	47	10.52	0.00	0.16	-0.37	
04.23.2021	20:59:56	S	3432.1	E	349.52	48	50	1	187.65	20.26	47	10.52	0.00	0.15	0.57	
04.23.2021	21:00:56	S	3432.1	E	349.74	55	55	2	187.93	20.30	53	10.51	0.00	0.15	0.54	
04.23.2021	21:01:56	S	3432.12	E	349.98	48	50	4	187.80	20.28	44	10.50	0.00	0.14	0.55	
04.23.2021	21:02:56	S	3432.13	E	350.21	52	54	2	187.85	20.25	51	10.51	0.00	0.15	0.58	
04.23.2021	21:03:56	S	3432.14	E	350.44	50	50	3	187.89	20.23	47	10.52	0.00	0.14	0.56	
04.23.2021	21:04:56	S	3432.15	E	350.68	57	57	3	188.24	20.26	54	10.50	0.00	0.15	-0.34	
04.23.2021	21:05:56	S	3432.16	E	350.89	53	53	3	188.56	20.35	50	10.49	0.00	0.16	-0.36	
04.23.2021	21:06:56	S	3432.17	E	351.12	54	56	7	188.59	20.33	48	10.51	0.00	0.15	-0.36	
04.23.2021	21:07:56	S	3432.19	E	351.37	51	52	5	188.48	20.26	47	10.52	0.00	0.14	-0.34	
04.23.2021	21:08:56	S	3432.2	E	351.6	54	56	-2	188.85	20.32	56	10.50	0.00	0.16	-0.36	
04.23.2021	21:09:56	S	3432.21	E	351.84	55	55	5	188.74	20.30	49	10.50	0.00	0.15	0.56	
04.23.2021	21:10:56	S	3432.22	E	352.05	51	52	3	188.95	20.33	47	10.51	0.00	0.14	0.57	
04.23.2021	21:11:56	S	3432.23	E	352.29	53	54	4	189.04	20.36	49	10.51	0.00	0.14	0.61	
04.23.2021	21:12:56	S	3432.24	E	352.54	49	51	-1	189.04	20.35	50	10.51	0.00	0.15	0.52	
04.23.2021	21:13:56	S	3432.25	E	352.76	54	55	2	189.24	20.38	52	10.50	0.00	0.15	0.46	
04.23.2021	21:14:56	S	3432.27	E	352.98	49	49	5	189.13	20.26	42	10.51	0.00	0.15	-0.35	
04.23.2021	21:15:56	S	3432.28	E	353.21	55	56	7	189.24	20.30	47	10.51	0.00	0.15	-0.37	
04.23.2021	21:16:56	S	3432.29	E	353.45	49	50	2	189.37	20.33	46	10.50	0.00	0.15	-0.36	
04.23.2021	21:17:56	S	3432.3	E	353.68	52	55	-0	189.41	20.34	54	10.50	0.00	0.14	-0.35	
04.23.2021	21:18:59	S	3432.32	E	353.91	49	49	2	189.06	20.28	46	10.50	0.00	0.16	-0.35	
04.23.2021	21:19:59	S	3432.33	E	354.13	52	54	5	189.08	20.38	47	10.51	0.00	0.15	-0.36	
04.23.2021	21:20:59	S	3432.34	E	354.38	50	51	6	188.82	20.35	43	10.51	0.00	0.17	0.51	
04.23.2021	21:21:59	S	3432.35	E	354.59	49	51	-3	188.76	20.36	53	10.54	0.00	0.13	0.51	
04.23.2021	21:22:59	S	3432.36	E	354.84	50	51	2	188.45	20.32	48	10.51	0.00	0.15	0.54	
04.23.2021	21:23:59	S	3432.37	E	355.05	50	51	4	188.30	20.33	46	10.52	0.00	0.15	0.53	
04.23.2021	21:24:59	S	3432.37	E	355.28	52	53	6	188.56	20.42	46	10.52	0.00	0.17	0.55	
04.23.2021	21:25:59	S	3432.38	E	355.49	48	49	1	188.13	20.30	46	10.51	0.00	0.15	-0.36	
04.23.2021	21:26:59	S	3432.39	E	355.73	50	52	1	188.52	20.42	50	10.50	0.00	0.15	-0.37	
04.23.2021	21:27:59	S	3432.41	E	355.93	48	49	5	188.32	20.43	44	10.52	0.00	0.15	-0.36	
04.23.2021	21:28:58	S	3432.42	E	356.17	53	54	6	188.35	20.43	47	10.51	0.00	0.15	-0.36	
04.23.2021	21:29:58	S	3432.43	E	356.37	45	46	2	188.26	20.38	43	10.52	0.00	0.16	-0.36	
04.23.2021	21:30:58	S	3432.45	E	356.63	50	51	2	188.43	20.46	48	10.53	0.00	0.14	0.50	
04.23.2021	21:31:58	S	3432.46	E	356.85	49	49	3	188.30	20.41	45	10.50	0.00	0.13	0.52	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	21:32:58	S	3432.47	E	357.09	54	55	4	188.59	20.48	50	10.51	0.00	0.15	0.50	
04.23.2021	21:33:58	S	3432.49	E	357.29	50	50	7	188.63	20.50	43	10.51	0.00	0.15	0.53	
04.23.2021	21:34:58	S	3432.5	E	357.54	52	54	1	188.54	20.52	51	10.52	0.00	0.15	0.56	
04.23.2021	21:35:58	S	3432.51	E	357.73	51	51	2	188.54	20.52	50	10.50	0.00	0.15	-0.35	
04.23.2021	21:36:58	S	3432.52	E	357.98	51	53	-1	188.48	20.49	52	10.52	0.00	0.15	-0.38	
04.23.2021	21:37:58	S	3432.53	E	358.21	51	51	7	188.63	20.53	43	10.52	0.00	0.15	-0.36	
04.23.2021	21:38:59	S	3432.54	E	358.41	48	51	0	188.59	20.55	47	10.50	0.00	0.15	-0.36	
04.23.2021	21:39:59	S	3432.56	E	358.67	50	52	1	188.32	20.53	50	10.52	0.00	0.15	-0.36	
04.23.2021	21:40:58	S	3432.57	E	358.91	47	47	1	188.24	20.55	45	10.52	0.00	0.17	0.61	
04.23.2021	21:41:58	S	3432.58	E	359.13	53	53	6	188.13	20.54	47	10.51	0.00	0.18	0.61	
04.23.2021	21:42:58	S	3432.6	E	359.33	49	50	4	188.06	20.59	44	10.53	0.00	0.17	0.61	
04.23.2021	21:43:58	S	3432.61	E	359.56	52	52	3	187.91	20.59	49	10.52	0.00	0.16	0.62	
04.23.2021	21:44:58	S	3432.62	E	359.78	46	47	1	187.76	20.56	45	10.52	0.00	0.15	0.59	
04.23.2021	21:45:58	S	3432.62	E	400.02	53	53	3	187.70	20.53	50	10.54	0.00	0.17	0.63	
04.23.2021	21:46:58	S	3432.63	E	400.24	49	50	3	187.76	20.54	46	10.52	0.00	0.15	-0.36	
04.23.2021	21:47:58	S	3432.63	E	400.47	53	55	6	188.13	20.62	47	10.52	0.00	0.15	-0.35	
04.23.2021	21:48:53	S	3432.64	E	400.7	50	50	2	187.89	20.55	48	10.51	0.00	0.15	-0.35	
04.23.2021	21:49:53	S	3432.64	E	400.93	51	52	0	188.15	20.59	51	10.51	0.00	0.16	-0.36	
04.23.2021	21:50:53	S	3432.65	E	401.15	52	52	6	188.26	20.60	46	10.50	0.00	0.14	-0.37	
04.23.2021	21:51:53	S	3432.66	E	401.38	49	51	4	188.17	20.56	45	10.52	0.00	0.15	0.64	
04.23.2021	21:52:53	S	3432.66	E	401.59	51	52	4	188.56	20.65	47	10.52	0.00	0.07	0.60	
04.23.2021	21:53:53	S	3432.67	E	401.81	48	49	1	188.48	20.62	46	10.52	0.00	0.14	0.60	
04.23.2021	21:54:53	S	3432.67	E	402.05	53	53	4	188.54	20.62	49	10.51	0.00	0.15	0.57	
04.23.2021	21:55:53	S	3432.68	E	402.28	48	50	4	188.76	20.64	44	10.51	0.00	0.14	0.60	
04.23.2021	21:56:53	S	3432.69	E	402.49	53	55	2	189.08	20.70	51	10.51	0.00	0.13	-0.36	
04.23.2021	21:57:53	S	3432.7	E	402.71	48	49	1	189.04	20.65	47	10.51	0.00	0.16	-0.36	
04.23.2021	21:58:51	S	3432.7	E	402.93	54	54	2	189.00	20.59	52	10.52	0.00	0.15	-0.37	
04.23.2021	21:59:51	S	3432.71	E	403.17	51	51	9	189.39	20.70	43	10.51	0.00	0.15	-0.38	
04.23.2021	22:00:51	S	3432.71	E	403.38	54	56	5	189.24	20.65	50	10.52	0.00	0.15	-0.36	
04.23.2021	22:01:51	S	3432.72	E	403.62	52	53	1	189.30	20.69	51	10.52	0.00	0.15	0.62	
04.23.2021	22:02:51	S	3432.72	E	403.83	50	52	1	189.19	20.62	50	10.51	0.00	0.16	0.60	
04.23.2021	22:03:51	S	3432.72	E	404.04	53	53	7	189.39	20.62	46	10.51	0.00	0.15	0.62	
04.23.2021	22:04:51	S	3432.71	E	404.28	48	50	2	189.39	20.62	46	10.51	0.00	0.14	0.65	
04.23.2021	22:05:51	S	3432.71	E	404.52	52	53	2	189.37	20.64	50	10.50	0.00	0.14	0.69	
04.23.2021	22:06:51	S	3432.7	E	404.72	48	49	1	189.13	20.64	46	10.51	0.00	0.15	-0.36	
04.23.2021	22:07:51	S	3432.7	E	404.95	52	52	4	188.78	20.64	48	10.53	0.00	0.10	-0.37	
04.23.2021	22:08:54	S	3432.69	E	405.2	47	48	6	188.76	20.71	41	10.51	0.00	0.15	-0.37	
04.23.2021	22:09:54	S	3432.69	E	405.4	54	55	5	188.43	20.66	50	10.51	0.00	0.15	-0.35	

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DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS_OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS_OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	22:10:54	S	3432.69	E	405.63	48	48	3	188.35	20.67	45	10.51	0.00	0.16	-0.35	
04.23.2021	22:11:54	S	3432.69	E	405.87	55	55	3	188.37	20.69	51	10.52	0.00	0.16	0.63	
04.23.2021	22:12:54	S	3432.69	E	406.09	49	49	7	188.24	20.69	42	10.52	0.00	0.15	0.64	
04.23.2021	22:13:54	S	3432.69	E	406.31	51	53	4	188.37	20.73	47	10.50	0.00	0.14	0.62	
04.23.2021	22:14:54	S	3432.68	E	406.53	50	50	4	188.32	20.73	46	10.50	0.00	0.15	0.63	
04.23.2021	22:15:54	S	3432.67	E	406.8	49	51	-2	188.24	20.74	51	10.51	0.00	0.14	0.64	
04.23.2021	22:16:54	S	3432.67	E	407	51	51	4	188.45	20.81	47	10.53	0.00	0.15	0.67	
04.23.2021	22:17:54	S	3432.67	E	407.25	48	50	1	188.17	20.75	47	10.51	0.00	0.15	-0.37	
04.23.2021	22:18:52	S	3432.66	E	407.48	51	53	4	188.43	20.83	48	10.51	0.00	0.16	-0.35	
04.23.2021	22:19:52	S	3432.67	E	407.69	48	49	-1	188.65	20.93	48	10.52	0.00	0.15	-0.38	
04.23.2021	22:20:52	S	3432.67	E	407.89	51	52	3	188.54	20.94	49	10.52	0.00	0.14	-0.36	
04.23.2021	22:21:52	S	3432.67	E	408.15	47	48	4	188.45	20.88	43	10.51	0.00	0.14	-0.35	
04.23.2021	22:22:52	S	3432.66	E	408.35	51	52	5	188.74	20.97	45	10.51	0.00	0.15	0.70	
04.23.2021	22:23:52	S	3432.66	E	408.6	45	46	1	188.59	20.97	44	10.51	0.00	0.16	0.55	
04.23.2021	22:24:52	S	3432.66	E	408.83	54	55	2	188.65	21.03	51	10.50	0.00	0.15	0.51	
04.23.2021	22:25:52	S	3432.66	E	409.04	49	50	0	188.67	21.00	49	10.51	0.00	0.16	0.59	
04.23.2021	22:26:52	S	3432.67	E	409.26	52	54	5	188.95	21.12	47	10.51	0.00	0.15	0.67	
04.23.2021	22:27:52	S	3432.68	E	409.51	48	49	3	188.74	21.04	45	10.52	0.00	0.18	-0.36	
04.23.2021	22:28:55	S	3432.69	E	409.72	49	51	-2	188.95	21.12	52	10.51	0.00	0.14	-0.36	
04.23.2021	22:29:55	S	3432.7	E	409.96	50	50	1	188.74	21.08	49	10.51	0.00	0.14	-0.34	
04.23.2021	22:30:55	S	3432.7	E	410.18	47	50	1	188.87	21.10	47	10.53	0.00	0.15	-0.34	
04.23.2021	22:31:55	S	3432.71	E	410.4	51	52	0	188.95	21.14	51	10.52	0.00	0.15	-0.36	
04.23.2021	22:32:55	S	3432.72	E	410.64	45	46	-1	188.67	21.11	46	10.51	0.00	0.15	0.68	
04.23.2021	22:33:55	S	3432.72	E	410.88	50	51	0	188.52	21.12	50	10.51	0.00	0.15	0.68	
04.23.2021	22:34:55	S	3432.72	E	411.1	47	49	2	188.48	21.14	46	10.52	0.00	0.16	0.70	
04.23.2021	22:35:55	S	3432.73	E	411.34	51	53	2	188.67	21.25	50	10.51	0.00	0.15	0.70	
04.23.2021	22:36:55	S	3432.75	E	411.56	46	48	0	188.43	21.21	46	10.52	0.00	0.14	0.71	
04.23.2021	22:37:55	S	3432.76	E	411.76	52	52	1	188.48	21.22	51	10.51	0.00	0.15	-0.36	
04.23.2021	22:38:59	S	3432.77	E	412.02	49	49	5	188.95	21.33	44	10.51	0.00	0.14	-0.39	
04.23.2021	22:39:59	S	3432.78	E	412.24	54	55	6	188.95	21.36	48	10.51	0.00	0.15	-0.35	
04.23.2021	22:40:59	S	3432.79	E	412.48	49	49	4	188.93	21.35	44	10.51	0.00	0.15	-0.35	
04.23.2021	22:41:59	S	3432.79	E	412.71	53	55	-1	188.95	21.35	53	10.51	0.00	0.15	-0.38	
04.23.2021	22:42:59	S	3432.8	E	412.91	51	52	3	188.93	21.34	48	10.51	0.00	0.15	-0.36	
04.23.2021	22:43:59	S	3432.81	E	413.14	50	52	1	189.19	21.45	49	10.51	0.00	0.14	0.78	
04.23.2021	22:44:59	S	3432.82	E	413.36	52	53	4	189.17	21.40	49	10.51	0.00	0.16	0.71	
04.23.2021	22:45:59	S	3432.83	E	413.59	48	50	-0	189.24	21.42	49	10.52	0.00	0.15	0.70	
04.23.2021	22:46:59	S	3432.84	E	413.84	52	53	-0	189.50	21.51	52	10.52	0.00	0.15	1.55	
04.23.2021	22:47:59	S	3432.85	E	414.06	48	49	-1	189.24	21.43	49	10.52	0.00	0.15	1.22	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	22:48:59	S	3432.86	E	414.28	52	53	4	189.26	21.48	48	10.51	0.00	0.14	-0.35	
04.23.2021	22:49:59	S	3432.87	E	414.53	49	50	2	189.04	21.43	47	10.50	0.00	0.14	-0.37	
04.23.2021	22:50:59	S	3432.88	E	414.76	55	56	1	188.95	21.45	54	10.52	0.00	0.17	-0.35	
04.23.2021	22:51:59	S	3432.88	E	414.96	48	49	1	188.85	21.43	47	10.51	0.00	0.15	-0.36	
04.23.2021	22:52:59	S	3432.89	E	415.21	53	54	5	188.59	21.38	48	10.50	0.00	0.15	-0.35	
04.23.2021	22:53:59	S	3432.89	E	415.44	48	49	4	188.89	21.54	45	10.51	0.00	0.17	0.84	
04.23.2021	22:54:59	S	3432.9	E	415.68	50	52	-3	188.56	21.42	53	10.52	0.00	0.15	0.74	
04.23.2021	22:55:59	S	3432.91	E	415.87	52	52	1	188.35	21.36	51	10.53	0.00	0.15	0.71	
04.23.2021	22:56:59	S	3432.91	E	416.09	48	50	2	188.45	21.40	45	10.52	0.00	0.15	0.94	
04.23.2021	22:57:59	S	3432.92	E	416.33	50	51	4	188.30	21.32	46	10.51	0.00	0.14	0.93	
04.23.2021	22:59:01	S	3432.93	E	416.54	48	50	1	188.56	21.39	47	10.51	0.00	0.14	-0.36	
04.23.2021	23:00:01	S	3432.94	E	416.8	53	54	-0	188.56	21.39	53	10.52	0.00	0.15	-0.35	
04.23.2021	23:01:01	S	3432.94	E	417.01	48	49	4	188.72	21.36	44	10.51	0.00	0.15	-0.37	
04.23.2021	23:02:01	S	3432.96	E	417.27	54	55	4	188.56	21.32	50	10.52	0.00	0.16	-0.35	
04.23.2021	23:03:01	S	3432.98	E	417.5	47	48	4	188.82	21.31	43	10.50	0.00	0.15	-0.36	
04.23.2021	23:04:01	S	3432.99	E	417.71	53	53	1	188.74	21.38	51	10.51	0.00	0.16	0.76	
04.23.2021	23:05:01	S	3433.01	E	417.92	47	47	0	188.63	21.26	45	10.51	0.00	0.17	0.70	
04.23.2021	23:06:01	S	3433.02	E	418.18	53	55	6	188.67	21.25	47	10.54	0.00	0.16	0.71	
04.23.2021	23:07:01	S	3433.03	E	418.37	50	51	3	188.93	21.32	47	10.50	0.00	0.17	1.11	
04.23.2021	23:08:01	S	3433.04	E	418.65	51	53	-2	188.85	21.25	54	10.51	0.00	0.15	0.92	
04.23.2021	23:08:55	S	3433.05	E	418.84	52	52	3	189.13	21.31	48	10.52	0.00	0.13	0.88	
04.23.2021	23:09:55	S	3433.06	E	419.06	50	51	3	189.00	21.33	47	10.51	0.00	0.14	-0.36	
04.23.2021	23:10:55	S	3433.08	E	419.32	53	54	5	188.95	21.34	48	10.51	0.00	0.15	-0.36	
04.23.2021	23:11:55	S	3433.09	E	419.53	48	49	-1	188.89	21.33	49	10.51	0.00	0.10	-0.35	
04.23.2021	23:12:55	S	3433.1	E	419.76	53	53	0	188.56	21.27	52	10.51	0.00	0.16	-0.35	
04.23.2021	23:13:55	S	3433.11	E	420	47	48	3	188.74	21.39	45	10.54	0.00	0.13	-0.36	
04.23.2021	23:14:55	S	3433.12	E	420.22	53	53	5	188.22	21.32	47	10.51	0.00	0.15	0.81	
04.23.2021	23:15:55	S	3433.13	E	420.47	48	49	0	188.22	21.36	48	10.52	0.00	0.16	0.79	
04.23.2021	23:16:55	S	3433.14	E	420.68	56	56	4	188.13	21.42	52	10.51	0.00	0.14	0.77	
04.23.2021	23:17:55	S	3433.15	E	420.92	49	49	1	188.04	21.42	48	10.51	0.00	0.15	0.99	
04.23.2021	23:19:00	S	3433.16	E	421.14	55	56	5	188.06	21.50	50	10.51	0.00	0.14	0.99	
04.23.2021	23:20:00	S	3433.18	E	421.38	49	50	6	188.02	21.48	43	10.51	0.00	0.15	-0.35	
04.23.2021	23:21:00	S	3433.19	E	421.62	52	53	1	187.91	21.48	51	10.51	0.00	0.14	-0.37	
04.23.2021	23:22:00	S	3433.2	E	421.82	52	52	3	187.89	21.45	50	10.52	0.00	0.14	-0.35	
04.23.2021	23:23:00	S	3433.22	E	422.07	50	51	2	188.00	21.49	48	10.49	0.00	0.13	-0.27	
04.23.2021	23:24:00	S	3433.23	E	422.28	52	53	6	187.96	21.46	46	10.50	0.00	0.15	-0.37	
04.23.2021	23:25:00	S	3433.24	E	422.54	45	47	-0	188.06	21.46	45	10.52	0.00	0.15	1.24	
04.23.2021	23:26:00	S	3433.26	E	422.76	52	53	-1	188.26	21.46	53	10.51	0.00	0.14	1.29	

3. Sampling Data (20210423)

DATE		TIME	NS	LATITUDE	EW	LONGITUDE	PA_1A_GAS_PR ESS.H	PA_2A_GAS_PR ESS.HH	GAS._OUT_PRE SS.	PA_1A_GAS_TE MP.	GAS._OUT_TEM P.	TOTAL_BACK_P RESS.	MA_1 WATER PRESS.	MA_2 WATER PRESS.	PA_1A WATER PRESS.	PA_2A WATER PRESS.
04.23.2021	23:27:00	S	3433.27	E	423.02	49	51	-1	188.26	21.38	49	10.53	0.00	0.16	1.48	
04.23.2021	23:28:00	S	3433.28	E	423.22	56	56	8	188.67	21.43	48	10.51	0.00	0.15	1.68	
04.23.2021	23:28:53	S	3433.29	E	423.46	48	49	3	188.78	21.40	45	10.51	0.00	0.16	1.48	
04.23.2021	23:29:53	S	3433.3	E	423.69	53	54	2	188.63	21.33	51	10.52	0.00	0.14	-0.36	
04.23.2021	23:30:53	S	3433.32	E	423.92	46	47	2	188.95	21.43	45	10.53	0.00	0.16	-0.36	
04.23.2021	23:31:53	S	3433.33	E	424.16	51	52	3	188.78	21.31	48	10.50	0.00	0.15	-0.38	
04.23.2021	23:32:53	S	3433.34	E	424.42	50	51	5	188.87	21.31	45	10.52	0.00	0.15	-0.36	
04.23.2021	23:33:53	S	3433.35	E	424.64	52	53	0	189.17	21.38	52	10.51	0.00	0.16	-0.25	
04.23.2021	23:34:53	S	3433.36	E	424.84	53	54	0	189.37	21.36	53	10.50	0.00	0.16	-0.37	
04.23.2021	23:35:53	S	3433.37	E	425.12	50	52	-1	189.41	21.32	52	10.51	0.00	0.15	1.36	
04.23.2021	23:36:53	S	3433.39	E	425.34	52	54	3	189.41	21.35	50	10.50	0.00	0.13	-0.37	
04.23.2021	23:37:53	S	3433.4	E	425.58	50	51	1	189.56	21.34	49	10.51	0.00	0.15	1.73	
04.23.2021	23:38:56	S	3433.41	E	425.82	52	52	3	189.34	21.26	49	10.51	0.00	0.16	2.14	
04.23.2021	23:39:56	S	3433.42	E	426.03	49	51	-1	189.37	21.27	50	10.51	0.00	0.13	2.13	
04.23.2021	23:40:56	S	3433.43	E	426.25	54	54	2	189.04	21.17	51	10.51	0.00	0.13	-0.37	
04.23.2021	23:41:56	S	3433.44	E	426.52	45	46	4	188.95	21.17	41	10.51	0.00	0.13	-0.37	
04.23.2021	23:42:56	S	3433.45	E	426.75	51	52	-1	188.32	21.14	51	10.50	0.00	0.13	-0.36	
04.23.2021	23:43:56	S	3433.46	E	426.98	49	49	3	188.22	21.11	45	10.50	0.00	0.13	-0.36	
04.23.2021	23:44:56	S	3433.47	E	427.21	52	54	4	188.02	21.10	48	10.51	0.00	0.13	-0.37	
04.23.2021	23:45:56	S	3433.48	E	427.47	48	48	7	187.89	21.04	41	10.51	0.00	0.15	2.17	
04.23.2021	23:46:56	S	3433.49	E	427.7	50	52	1	187.89	20.99	49	10.52	0.00	0.16	2.37	
04.23.2021	23:47:56	S	3433.5	E	427.92	50	50	4	187.96	20.86	46	10.49	0.00	0.14	2.28	
04.23.2021	23:48:59	S	3433.52	E	428.19	49	50	2	188.06	20.78	47	10.51	0.00	0.16	2.18	
04.23.2021	23:49:59	S	3433.53	E	428.43	51	51	7	188.26	20.80	44	10.52	0.00	0.17	2.12	
04.23.2021	23:50:59	S	3433.54	E	428.67	48	50	3	188.45	20.80	45	10.51	0.00	0.14	-0.39	
04.23.2021	23:51:59	S	3433.56	E	428.9	52	53	3	188.43	20.79	49	10.51	0.00	0.15	-0.40	
04.23.2021	23:52:59	S	3433.57	E	429.13	46	47	4	188.24	20.70	42	10.51	0.00	0.14	-0.37	
04.23.2021	23:53:59	S	3433.58	E	429.36	50	52	4	188.24	20.73	46	10.50	0.00	0.13	-0.38	
04.23.2021	23:54:59	S	3433.59	E	429.59	50	51	4	188.32	20.74	47	10.50	0.00	0.16	2.20	
04.23.2021	23:55:59	S	3433.6	E	429.83	51	53	-0	188.87	20.85	52	10.51	0.00	0.13	-0.38	
04.23.2021	23:56:59	S	3433.61	E	430.08	51	51	5	188.87	20.87	46	10.52	0.00	0.13	-0.39	
04.23.2021	23:57:59	S	3433.63	E	430.31	47	51	3	188.87	20.89	45	10.51	0.00	0.11	-0.37	
04.23.2021	23:59:00	S	3433.64	E	430.53	52	53	4	188.87	20.91	46	10.52	0.00	0.15	-0.35	