

Impact Water Quality Monitoring for Dredging Activities at SB CMP 1

Sampling Date	Tide	Station	Time	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
17/01/2013	MF	DS1	09:52:07	B	4.0	227.9	0.33	17.45	32.03	100.33	7.92	4.89	7.88	6.40
17/01/2013	MF	DS1	09:54:09	M	2.5	251.8	0.82	17.45	32.03	100.12	7.91	4.80	7.91	5.80
17/01/2013	MF	DS1	09:55:33	S	1.0	259.3	0.30	17.49	31.96	100.34	7.92	3.97	7.92	6.70
17/01/2013	MF	DS1	09:57:17	B	4.0	183.5	0.28	17.46	32.03	100.02	7.90	4.11	7.93	6.30
17/01/2013	MF	DS1	09:58:57	M	2.5	222.0	0.42	17.46	32.03	100.01	7.90	4.38	7.94	6.20
17/01/2013	MF	DS1	10:00:21	S	1.0	183.9	0.27	17.47	32.03	100.11	7.90	3.97	7.94	7.00
17/01/2013	MF	DS1	10:01:57	B	4.0	211.9	0.49	17.47	32.03	99.81	7.88	4.37	7.95	6.70
17/01/2013	MF	DS1	10:03:31	M	2.5	272.3	0.91	17.47	32.03	99.90	7.89	4.45	7.94	5.80
17/01/2013	MF	DS1	10:05:29	S	1.0	309.6	0.29	17.47	32.03	99.98	7.89	4.38	7.94	7.00
17/01/2013	MF	DS2	10:11:49	B	3.0	81.9	0.14	17.49	31.99	100.73	7.95	4.11	7.96	5.70
17/01/2013	MF	DS2	10:13:29	S	1.0	355.9	0.32	17.52	31.99	100.92	7.96	3.73	7.96	5.00
17/01/2013	MF	DS2	10:14:57	B	3.0	259.8	0.41	17.49	32.03	100.82	7.96	4.19	7.97	6.00
17/01/2013	MF	DS2	10:16:25	S	1.0	214.4	0.44	17.53	31.99	100.94	7.96	3.82	7.97	5.20
17/01/2013	MF	DS2	10:18:01	B	3.0	200.6	0.47	17.49	32.04	100.89	7.96	4.44	7.97	6.40
17/01/2013	MF	DS2	10:19:29	S	1.0	234.3	0.50	17.53	32.01	100.96	7.96	4.07	7.97	5.20
17/01/2013	MF	DS3	10:25:57	B	5.0	293.0	0.36	17.43	32.13	102.12	8.06	4.46	7.98	6.50
17/01/2013	MF	DS3	10:27:29	M	3.0	63.8	0.22	17.46	32.10	102.81	8.11	4.19	7.98	6.40
17/01/2013	MF	DS3	10:28:57	S	1.0	99.1	0.12	17.52	32.02	102.25	8.06	4.83	7.98	7.10
17/01/2013	MF	DS3	10:30:45	B	5.0	258.9	0.32	17.44	32.13	103.04	8.13	4.19	7.99	6.20
17/01/2013	MF	DS3	10:32:13	M	3.0	263.3	0.64	17.49	32.09	103.07	8.13	4.53	7.99	6.60
17/01/2013	MF	DS3	10:33:45	S	1.0	270.6	0.84	17.52	32.02	102.22	8.05	4.15	7.98	6.80
17/01/2013	MF	DS3	10:36:25	B	5.0	309.3	0.63	17.45	32.13	102.56	8.09	4.82	7.99	6.00
17/01/2013	MF	DS3	10:37:49	M	3.0	296.3	0.69	17.50	32.07	102.59	8.09	4.27	7.98	6.20
17/01/2013	MF	DS3	10:39:13	S	1.0	300.6	0.59	17.56	32.02	102.53	8.08	4.04	7.98	6.50
17/01/2013	MF	DS4	10:46:13	B	5.0	177.7	0.29	17.45	32.14	104.56	8.25	4.09	7.99	6.40
17/01/2013	MF	DS4	10:47:45	M	3.0	330.3	0.33	17.48	32.11	104.70	8.26	3.90	7.99	5.80
17/01/2013	MF	DS4	10:49:21	S	1.0	313.5	0.57	17.51	32.11	105.26	8.30	3.93	8.00	6.10
17/01/2013	MF	DS4	10:50:57	B	5.0	271.9	0.21	17.44	32.15	104.96	8.28	4.18	8.00	6.70
17/01/2013	MF	DS4	10:52:29	M	3.0	228.8	0.13	17.46	32.13	105.05	8.29	4.03	8.00	6.50
17/01/2013	MF	DS4	10:53:57	S	1.0	56.6	0.33	17.58	32.06	104.76	8.25	3.77	7.99	6.20
17/01/2013	MF	DS4	10:55:29	B	5.0	250.8	0.29	17.44	32.16	104.89	8.28	4.51	8.00	6.50
17/01/2013	MF	DS4	10:57:01	M	3.0	267.0	0.49	17.46	32.14	105.10	8.29	4.39	8.00	6.70
17/01/2013	MF	DS4	10:58:45	S	1.0	220.4	0.17	17.54	32.10	105.31	8.30	4.04	8.00	5.90
17/01/2013	MF	DS5	11:05:25	B	2.5	298.1	0.38	17.45	32.25	109.86	8.67	4.20	8.03	6.60
17/01/2013	MF	DS5	11:08:01	S	1.0	239.3	0.04	17.51	32.18	109.26	8.61	4.12	8.02	6.10
17/01/2013	MF	DS5	11:10:13	B	2.5	305.8	0.45	17.42	32.26	110.69	8.73	4.21	8.03	6.80
17/01/2013	MF	DS5	11:12:13	S	1.0	140.5	0.57	17.53	32.18	109.33	8.61	4.29	8.02	6.50
17/01/2013	MF	DS5	11:13:41	B	2.5	280.5	0.84	17.40	32.29	111.27	8.78	4.31	8.04	6.80
17/01/2013	MF	DS5	11:15:21	S	1.0	221.4	0.66	17.54	32.19	109.87	8.65	4.02	8.02	6.80
17/01/2013	MF	US1	11:34:53	B	6.0	354.9	0.91	17.47	32.15	99.31	7.83	4.77	7.93	8.10
17/01/2013	MF	US1	11:36:17	M	3.5	228.0	0.45	17.48	32.13	99.83	7.87	4.49	7.93	6.80
17/01/2013	MF	US1	11:37:49	S	1.0	237.5	0.06	17.54	32.11	100.56	7.92	3.95	7.93	6.40
17/01/2013	MF	US1	11:39:29	B	6.0	229.7	0.52	17.46	32.13	99.42	7.84	4.64	7.93	7.80
17/01/2013	MF	US1	11:40:57	M	3.5	288.9	0.52	17.47	32.13	99.72	7.87	4.42	7.93	7.10
17/01/2013	MF	US1	11:42:29	S	1.0	279.0	0.05	17.55	32.11	100.53	7.92	4.12	7.93	6.70
17/01/2013	MF	US1	11:44:13	B	6.0	319.5	0.66	17.46	32.13	99.36	7.84	4.50	7.93	7.90
17/01/2013	MF	US1	11:45:45	M	3.5	218.9	0.36	17.46	32.13	99.68	7.87	4.30	7.93	7.40
17/01/2013	MF	US1	11:47:13	S	1.0	218.2	0.35	17.56	32.11	100.76	7.94	3.99	7.94	7.00
17/01/2013	MF	US2	11:53:49	B	8.0	211.1	0.26	17.48	32.20	96.77	7.63	5.74	7.92	8.40
17/01/2013	MF	US2	11:55:25	M	4.5	174.3	0.24	17.48	32.21	97.00	7.65	6.10	7.92	7.80
17/01/2013	MF	US2	11:56:53	S	1.0	346.8	0.10	17.55	32.20	97.88	7.71	4.56	7.92	7.60
17/01/2013	MF	US2	11:58:29	B	8.0	218.8	0.29	17.48	32.21	96.63	7.62	6.25	7.92	8.10
17/01/2013	MF	US2	11:59:57	M	4.5	278.7	0.28	17.48	32.21	96.84	7.63	5.97	7.92	7.70
17/01/2013	MF	US2	12:01:37	S	1.0	183.7	0.37	17.49	32.20	98.26	7.73	4.02	7.93	7.30
17/01/2013	MF	US2	12:03:09	B	8.0	279.5	0.56	17.48	32.22	96.60	7.62	6.18	7.93	8.80
17/01/2013	MF	US2	12:04:41	M	4.5	213.2	0.37	17.49	32.22	96.84	7.63	5.07	7.92	8.00
17/01/2013	MF	US2	12:06:11	S	1.0	283.4	0.31	17.62	32.20	98.52	7.75	3.84	7.93	7.40
17/01/2013	MF	MW1	09:55:43	B	19.4	5.3	0.46	17.59	32.82	93.53	7.33	4.15	7.68	8.20
17/01/2013	MF	MW1	09:57:31	M	10.2	3.3	0.52	17.59	32.80	92.88	7.28	3.72	7.69	7.30
17/01/2013	MF	MW1	09:59:19	S	1.0	164.4	0.44	17.59	32.80	92.90	7.28	4.02	7.69	6.50
17/01/2013	MF	MW1	10:01:15	B	19.4	273.2	0.53	17.59	32.80	92.65	7.26	4.16	7.71	8.40
17/01/2013	MF	MW1	10:02:59	M	10.2	282.9	0.36	17.59	32.79	92.90	7.28	4.13	7.72	7.40
17/01/2013	MF	MW1	10:05:22	S	1.0	25.2	0.65	17.58	32.79	93.09	7.30	3.98	7.73	6.30
17/01/2013	MF	MW1	10:07:39	B	19.4	81.6	0.60	17.59	32.82	92.14	7.22	4.93	7.74	7.80
17/01/2013	MF	MW1	10:09:29	M	10.2	325.4	0.53	17.59	32.80	92.97	7.29	4.11	7.74	7.00
17/01/2013	MF	MW1	10:11:15	S	1.0	317.5	0.94	17.60	32.80	92.80	7.27	3.56	7.73	6.60
17/01/2013	MF	THB1	11:17:11	B	3.4	308.1	0.81	17.55	32.29	100.95	7.94	3.08	7.86	6.30
17/01/2013	MF	THB1	11:18:39	S	1.0	289.2	0.26	17.66	32.25	101.30	7.96	2.90	7.84	6.20
17/01/2013	MF	THB1	11:20:11	B	3.4	102.4	0.27	17.56	32.31	101.31	7.97	3.29	7.85	6.70
17/01/2013	MF	THB1	11:21:39	S	1.0	272.1	0.46	17.71	32.24	101.47	7.96	3.00	7.84	5.70
17/01/2013	MF	THB1	11:23:15	B	3.4	172.3	0.09	17.56	32.30	101.24	7.96	3.17	7.85	6.50
17/01/2013	MF	THB1	11:24:51	S	1.0	107.7	0.05	17.66	32.25	101.56	7.98	3.11	7.85	5.70
17/01/2013	MF	THB2	10:08:08	M	1.0	0.0	0.00	17.26	32.25	111.78	8.85	5.98	7.59	7.70
17/01/2013	MF	THB2	10:11:22	M	1.0	0.0	0.00	17.30	32.26	112.40	8.89	6.08	7.63	8.40
17/01/2013	MF	THB2	10:13:46	M	1.0	0.0	0.00	17.28	32.26	110.38	8.73	6.52	7.64	8.10
17/01/2013	MF	WSR45C	10:43:39	B	12.8	27.3	0.15	17.50	32.43	96.06	7.56	7.07	7.81	9.20
17/01/2013	MF	WSR45C	10:45:27	M	6.9	256.6	1.17	17.50	32.44	95.78	7.54	5.94	7.79	7.90
17/01/2013	MF	WSR45C	10:47:07	S	1.0	202.5	1.03	17.54	32.45	96.10	7.56	4.62	7.80	7.00
17/01/2013	MF	WSR45C	10:48:59	B	12.8	165.1	0.25	17.51	32.46	95.96	7.55	6.22	7.80	8.90
17/01/2013	MF	WSR45C	10:50:39	M	6.9	204.7	0.43	17.51	32.46	95.52	7.51	6.10	7.80	8.30
17/01/2013	MF	WSR45C	10:52:19	S	1.0	287.1	0.30	17.57	32.48	96.05	7.55	4.38	7.80	7.40
17/01/2013	MF	WSR45C	10:54:07	B	12.8	241.7	0.35	17.52	32.47	95.69	7.53	6.42	7.80	8.90
17/01/2013	MF	WSR45C	10:55:55	M	6.9	260.0	1.10	17.53	32.48	95.59	7.52	5.06	7.80	8.00
17/01/2013	MF	WSR45C	10:57:31	S	1.0	206.1	0.63	17.60	32.50	96.07	7.54	4.85		

Impact Water Quality Monitoring for Dredging Activities at SB CMP 1

Sampling Date	Tide	Station	Time	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
17/01/2013	ME	DS1	16:01:03	B	6.0	24.2	0.46	17.56	32.15	102.02	8.03	15.10	7.92	17.20
17/01/2013	ME	DS1	16:03:27	M	3.5	217.7	0.15	17.56	32.14	101.54	8.00	12.98	7.93	17.20
17/01/2013	ME	DS1	16:04:59	S	1.0	150.2	0.43	18.04	32.14	107.37	8.38	3.39	7.97	10.70
17/01/2013	ME	DS1	16:06:39	B	6.0	45.0	0.25	17.55	32.15	101.15	7.97	13.45	7.94	13.00
17/01/2013	ME	DS1	16:08:07	M	3.5	65.1	0.21	17.57	32.13	101.55	8.00	11.41	7.95	12.00
17/01/2013	ME	DS1	16:10:23	S	1.0	178.7	0.40	18.02	32.12	107.65	8.40	4.05	7.98	7.60
17/01/2013	ME	DS1	16:11:55	B	6.0	80.7	0.36	17.56	32.14	101.79	8.02	14.82	7.95	19.00
17/01/2013	ME	DS1	16:13:27	M	3.5	100.1	0.43	17.58	32.13	102.38	8.06	10.87	7.96	16.70
17/01/2013	ME	DS1	16:14:59	S	1.0	138.3	0.33	18.05	32.12	107.73	8.41	3.36	7.99	7.50
17/01/2013	ME	DS2	16:20:19	B	7.0	127.4	0.10	17.51	32.26	97.50	7.68	3.60	7.93	6.50
17/01/2013	ME	DS2	16:22:11	M	4.0	71.2	0.49	17.55	32.14	102.47	8.07	5.34	7.97	6.00
17/01/2013	ME	DS2	16:23:39	S	1.0	95.7	0.41	18.15	32.14	108.33	8.44	3.69	8.00	5.30
17/01/2013	ME	DS2	16:25:15	B	7.0	322.0	0.21	17.52	32.31	98.29	7.74	3.73	7.95	6.90
17/01/2013	ME	DS2	16:26:43	M	4.0	61.2	0.44	17.58	32.14	102.05	8.03	5.00	7.98	6.50
17/01/2013	ME	DS2	16:28:19	S	1.0	81.1	0.44	18.16	32.13	107.98	8.41	3.89	8.01	5.10
17/01/2013	ME	DS2	16:30:07	B	7.0	78.4	0.41	17.52	32.27	97.69	7.69	3.65	7.94	6.40
17/01/2013	ME	DS2	16:31:31	M	4.0	37.0	0.13	17.58	32.15	101.92	8.02	5.90	7.98	6.80
17/01/2013	ME	DS2	16:33:07	S	1.0	355.8	0.37	17.88	32.14	106.14	8.31	3.45	8.00	5.40
17/01/2013	ME	DS3	16:38:11	B	8.0	85.3	0.50	17.53	32.41	96.76	7.61	4.12	7.94	6.00
17/01/2013	ME	DS3	16:39:43	M	4.5	36.5	0.26	17.59	32.16	101.48	7.99	5.00	7.98	6.90
17/01/2013	ME	DS3	16:41:15	S	1.0	94.6	0.18	17.86	32.15	105.61	8.27	4.59	7.99	7.50
17/01/2013	ME	DS3	16:42:55	B	8.0	181.1	0.21	17.52	32.25	98.26	7.74	4.14	7.96	6.30
17/01/2013	ME	DS3	16:44:23	M	4.5	209.7	0.52	17.70	32.14	104.10	8.17	4.26	7.99	6.70
17/01/2013	ME	DS3	16:45:59	S	1.0	24.6	0.56	17.93	32.14	106.53	8.33	4.58	8.00	7.10
17/01/2013	ME	DS3	16:47:39	B	8.0	306.6	0.40	17.53	32.20	101.88	8.03	3.80	7.97	6.50
17/01/2013	ME	DS3	16:49:03	M	4.5	83.2	0.48	17.69	32.14	103.74	8.15	4.14	8.00	6.60
17/01/2013	ME	DS3	16:51:03	S	1.0	64.3	0.16	17.80	32.14	107.45	8.42	3.76	8.00	7.20
17/01/2013	ME	DS4	16:56:19	B	7.0	122.0	0.12	17.55	32.46	95.83	7.53	3.48	7.93	6.10
17/01/2013	ME	DS4	16:57:59	M	4.0	357.7	0.44	17.57	32.14	102.55	8.07	3.65	7.98	6.20
17/01/2013	ME	DS4	16:59:59	S	1.0	295.7	0.23	17.73	32.12	106.84	8.39	3.09	8.00	4.50
17/01/2013	ME	DS4	17:01:27	B	7.0	73.8	0.51	17.54	32.29	99.24	7.81	3.39	7.96	6.50
17/01/2013	ME	DS4	17:02:55	M	4.0	17.9	0.68	17.65	32.14	104.36	8.20	3.74	7.99	6.70
17/01/2013	ME	DS4	17:04:23	S	1.0	81.8	0.29	17.75	32.12	108.00	8.47	2.99	8.00	4.70
17/01/2013	ME	DS4	17:05:59	B	7.0	83.1	0.45	17.55	32.42	97.32	7.65	3.66	7.94	5.80
17/01/2013	ME	DS4	17:07:27	M	4.0	84.8	0.36	17.63	32.14	103.66	8.15	4.00	7.99	6.10
17/01/2013	ME	DS4	17:08:55	S	1.0	89.2	1.08	17.81	32.11	109.00	8.54	2.93	8.01	4.70
17/01/2013	ME	DS5	17:14:47	B	4.0	235.2	0.15	17.44	32.15	104.48	8.21	3.69	7.98	5.80
17/01/2013	ME	DS5	17:16:15	M	2.5	357.2	0.43	17.63	32.15	104.44	8.21	3.72	7.98	5.70
17/01/2013	ME	DS5	17:17:43	S	1.0	25.7	0.52	17.66	32.13	105.97	8.33	3.44	7.99	5.50
17/01/2013	ME	DS5	17:19:07	B	4.0	355.6	0.28	17.62	32.15	105.18	8.27	3.45	7.99	5.60
17/01/2013	ME	DS5	17:20:31	M	2.5	116.0	0.27	17.63	32.15	104.48	8.22	3.49	7.99	6.00
17/01/2013	ME	DS5	17:21:59	S	1.0	116.0	0.43	17.66	32.12	106.74	8.39	3.27	8.00	5.80
17/01/2013	ME	DS5	17:23:27	B	4.0	11.8	0.59	17.67	32.15	105.73	8.31	3.43	7.99	6.00
17/01/2013	ME	DS5	17:24:55	M	2.5	91.2	0.37	17.73	32.13	106.78	8.38	3.36	8.00	6.20
17/01/2013	ME	DS5	17:26:19	S	1.0	86.6	0.37	17.80	32.12	108.34	8.49	3.18	8.00	6.10
17/01/2013	ME	US1	17:41:07	B	4.0	89.0	0.47	17.66	32.09	107.38	8.44	4.94	7.97	8.30
17/01/2013	ME	US1	17:42:31	M	2.5	126.6	0.36	17.67	32.08	107.98	8.49	4.92	7.99	7.10
17/01/2013	ME	US1	17:43:55	S	1.0	56.2	0.59	17.66	32.09	107.72	8.47	5.03	7.99	6.70
17/01/2013	ME	US1	17:45:23	B	4.0	88.5	0.23	17.66	32.10	108.25	8.51	5.43	8.00	7.90
17/01/2013	ME	US1	17:46:47	M	2.5	26.2	0.44	17.67	32.09	107.99	8.49	4.97	8.00	7.30
17/01/2013	ME	US1	17:48:11	S	1.0	332.7	0.36	17.67	32.09	108.22	8.51	5.07	8.00	7.00
17/01/2013	ME	US1	17:49:43	B	4.0	57.2	0.60	17.67	32.10	108.58	8.54	5.88	8.01	8.20
17/01/2013	ME	US1	17:51:11	M	2.5	208.3	0.24	17.66	32.10	108.24	8.51	5.83	8.01	7.20
17/01/2013	ME	US1	17:52:35	S	1.0	158.6	0.41	17.66	32.10	108.44	8.53	5.54	8.01	6.90
17/01/2013	ME	US2	17:58:23	B	5.0	31.2	0.09	17.69	32.07	107.48	8.45	4.49	7.98	6.60
17/01/2013	ME	US2	17:59:51	M	3.0	272.2	0.21	17.69	32.07	107.91	8.48	4.60	7.99	6.50
17/01/2013	ME	US2	18:01:27	S	1.0	158.8	0.75	17.68	32.07	108.13	8.50	4.23	8.00	7.30
17/01/2013	ME	US2	18:02:59	B	5.0	319.8	0.77	17.68	32.08	107.95	8.48	4.46	8.00	6.50
17/01/2013	ME	US2	18:04:23	M	3.0	346.5	0.20	17.66	32.08	107.86	8.48	4.47	8.00	6.80
17/01/2013	ME	US2	18:06:11	S	1.0	324.1	0.49	17.67	32.07	108.58	8.54	4.33	8.00	7.30
17/01/2013	ME	US2	18:07:39	B	5.0	13.6	0.39	17.67	32.07	108.41	8.52	4.31	8.00	6.70
17/01/2013	ME	US2	18:09:07	M	3.0	359.2	0.49	17.68	32.06	108.36	8.52	4.50	8.00	7.00
17/01/2013	ME	US2	18:10:35	S	1.0	284.5	0.64	17.67	32.07	108.29	8.51	4.34	8.00	7.10
17/01/2013	ME	MW1	17:51:26	B	19.6	157.8	0.23	17.70	32.85	95.81	7.49	3.15	7.74	6.00
17/01/2013	ME	MW1	17:53:18	M	10.3	11.2	0.28	17.70	32.86	94.80	7.41	2.48	7.73	3.90
17/01/2013	ME	MW1	17:55:06	S	1.0	148.2	0.10	17.70	32.86	94.43	7.38	2.05	7.73	5.70
17/01/2013	ME	MW1	17:58:50	B	19.6	296.2	0.59	17.70	32.73	94.04	7.36	3.74	7.72	5.70
17/01/2013	ME	MW1	18:00:38	M	10.3	269.0	0.12	17.71	32.78	94.56	7.40	2.48	7.73	4.30
17/01/2013	ME	MW1	18:02:26	S	1.0	312.7	0.57	17.74	32.83	96.68	7.56	1.89	7.75	5.40
17/01/2013	ME	MW1	18:04:30	B	19.6	69.0	0.10	17.71	32.86	94.65	7.40	3.29	7.74	5.70
17/01/2013	ME	MW1	18:06:10	M	10.3	131.2	0.52	17.74	32.85	95.24	7.44	2.25	7.75	4.20
17/01/2013	ME	MW1	18:07:54	S	1.0	179.4	0.09	17.74	32.85	96.68	7.56	1.78	7.75	5.50
17/01/2013	ME	THB1	16:36:50	B	3.8	3.8	0.17	17.61	32.61	115.99	9.10	3.50	7.81	7.00
17/01/2013	ME	THB1	16:38:22	S	1.0	78.8	0.90	17.63	32.40	115.37	9.01	2.25	7.78	5.80
17/01/2013	ME	THB1	16:39:58	B	3.8	36.9	0.46	17.60	32.60	116.46	9.14	3.26	7.80	7.40
17/01/2013	ME	THB1	16:41:30	S	1.0	347.0	0.12	17.94	32.42	115.95	9.05	2.21	7.79	5.60
17/01/2013	ME	THB1	16:43:18	B	3.8	247.7	0.69	17.56	32.61	116.28	9.13	3.13	7.80	7.20
17/01/2013	ME	THB1	16:44:54	S	1.0	40.1	0.64	17.95	32.43	116.20	9.07	2.36	7.78	5.90
17/01/2013	ME	THB2	15:59:39	M	1.5	0.0	0.00	18.72	32.25	122.12	9.40	3.18	7.67	8.40
17/01/2013	ME	THB2	16:01:45	M	1.5	0.0	0.00	18.70	32.26	121.83	9.38	3.26	7.71	8.40
17/01/2013	ME	THB2	16:03:57	M	1.5	0.0	0.00	18.72	32.30	122.31	9.43	3.38	7.73	8.10
17/01/2013	ME	WSR45C	17:04:58	B	12.8	99.2	0.27	17.63	32.79	92.71	7.26	2.66	7.69	4.70
17/01/2013	ME	WSR45C	17:06:38	M	6.9	81.7	0.86	17.58	32.50	95.78	7.52	2.59	7.71	5.80
17/01/2013	ME	WSR45C	17:08:22	S	1.0	57.1	0.21	17.83	32.40	104.02	8.14	3.20	7.75	4.90