

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)
12/01/2013	MF	DS1	07:05:30	B	3.0	287.3	0.49	17.48	33.02	97.04	7.61	10.93	8.08	14.00
12/01/2013	MF	DS1	07:07:27	S	1.0	258.3	0.64	17.47	33.01	97.15	7.62	9.27	8.09	12.90
12/01/2013	MF	DS1	07:09:03	B	3.0	214.2	0.66	17.48	33.01	97.13	7.62	9.84	8.09	14.30
12/01/2013	MF	DS1	07:10:31	S	1.0	300.9	0.95	17.48	33.00	97.37	7.64	9.13	8.09	12.60
12/01/2013	MF	DS1	07:12:03	B	3.0	274.6	0.67	17.48	33.00	97.29	7.63	9.28	8.09	13.50
12/01/2013	MF	DS1	07:13:27	S	1.0	309.1	0.66	17.48	32.99	97.51	7.65	8.85	8.09	12.70
12/01/2013	MF	DS2	07:22:59	B	3.0	289.8	0.80	17.47	32.98	98.06	7.70	10.20	8.07	11.80
12/01/2013	MF	DS2	07:24:39	S	1.0	276.2	0.46	17.46	32.98	97.78	7.68	8.48	8.08	10.20
12/01/2013	MF	DS2	07:26:18	B	3.0	260.8	0.61	17.47	32.98	97.52	7.65	10.04	8.09	11.70
12/01/2013	MF	DS2	07:28:19	S	1.0	216.3	0.39	17.47	32.98	97.79	7.68	8.38	8.08	10.10
12/01/2013	MF	DS2	07:29:51	B	3.0	290.2	0.78	17.47	32.98	97.54	7.66	10.26	8.08	12.40
12/01/2013	MF	DS2	07:32:07	S	1.0	238.4	0.30	17.47	32.98	97.67	7.67	8.92	8.08	11.10
12/01/2013	MF	DS3	07:41:43	B	5.0	220.2	0.27	17.46	32.99	100.29	7.87	8.56	8.08	10.90
12/01/2013	MF	DS3	07:43:11	M	3.0	97.1	0.20	17.46	32.99	98.68	7.75	8.56	8.08	9.40
12/01/2013	MF	DS3	07:44:39	S	1.0	266.0	0.71	17.45	32.99	98.04	7.70	8.04	8.08	9.60
12/01/2013	MF	DS3	07:46:11	B	5.0	261.0	0.14	17.46	32.99	97.72	7.67	8.38	8.09	11.50
12/01/2013	MF	DS3	07:47:36	M	3.0	175.3	0.37	17.46	32.98	97.50	7.65	8.43	8.08	9.80
12/01/2013	MF	DS3	07:49:27	S	1.0	246.9	0.47	17.46	32.98	97.49	7.65	8.01	8.08	9.40
12/01/2013	MF	DS3	07:51:03	B	5.0	252.9	0.58	17.47	32.98	97.19	7.63	8.16	8.08	10.60
12/01/2013	MF	DS3	07:52:27	M	3.0	341.2	0.05	17.46	32.98	97.31	7.64	8.33	8.08	9.90
12/01/2013	MF	DS3	07:53:59	S	1.0	238.3	0.18	17.46	32.97	97.61	7.66	8.76	8.08	10.30
12/01/2013	MF	DS4	08:03:27	B	4.0	336.8	0.15	17.44	32.97	101.61	7.98	6.12	8.08	6.90
12/01/2013	MF	DS4	08:04:55	M	2.5	120.5	0.35	17.43	32.97	102.06	8.02	5.23	8.09	8.00
12/01/2013	MF	DS4	08:06:27	S	1.0	82.5	0.48	17.44	32.97	101.71	7.99	5.91	8.09	7.50
12/01/2013	MF	DS4	08:07:55	B	4.0	84.2	0.21	17.43	32.97	102.12	8.02	5.33	8.10	7.20
12/01/2013	MF	DS4	08:09:19	M	2.5	227.0	0.43	17.44	32.96	101.88	8.00	5.88	8.09	8.40
12/01/2013	MF	DS4	08:10:47	S	1.0	166.5	0.39	17.43	32.96	101.52	7.97	5.23	8.09	7.80
12/01/2013	MF	DS4	08:12:27	B	4.0	226.9	0.53	17.42	32.97	103.19	8.11	5.20	8.11	7.50
12/01/2013	MF	DS4	08:13:51	M	2.5	89.1	0.24	17.42	32.97	104.09	8.18	5.59	8.11	8.20
12/01/2013	MF	DS4	08:15:19	S	1.0	291.5	0.38	17.41	32.97	105.24	8.27	4.86	8.12	7.50
12/01/2013	MF	DS5	08:23:07	M	1.5	285.6	0.27	17.43	32.95	99.49	7.82	5.22	8.06	6.50
12/01/2013	MF	DS5	08:24:39	M	1.5	268.1	0.24	17.43	32.96	99.76	7.84	4.41	8.07	6.90
12/01/2013	MF	DS5	08:26:19	M	1.5	292.1	0.41	17.45	32.96	100.67	7.91	4.75	8.08	7.10
12/01/2013	MF	US1	08:40:23	B	6.0	23.6	0.38	17.42	32.95	96.90	7.58	8.57	8.04	9.30
12/01/2013	MF	US1	08:41:47	M	3.5	301.4	0.23	17.64	32.94	96.34	7.54	8.13	8.04	9.50
12/01/2013	MF	US1	08:43:19	S	1.0	258.7	1.07	17.65	32.94	96.50	7.55	7.05	8.05	9.00
12/01/2013	MF	US1	08:44:51	B	6.0	94.8	0.40	17.63	32.94	96.13	7.52	9.03	8.05	9.90
12/01/2013	MF	US1	08:46:19	M	3.5	334.3	0.82	17.64	32.94	96.22	7.53	7.36	8.05	9.90
12/01/2013	MF	US1	08:47:53	S	1.0	160.5	0.59	17.65	32.94	96.49	7.55	6.50	8.05	8.50
12/01/2013	MF	US1	08:49:27	B	6.0	65.4	0.15	17.64	32.94	96.02	7.51	9.60	8.05	10.00
12/01/2013	MF	US1	08:51:07	M	3.5	193.3	0.36	17.65	32.94	96.08	7.52	7.77	8.05	9.90
12/01/2013	MF	US1	08:53:23	S	1.0	215.5	0.64	17.65	32.94	96.51	7.55	6.80	8.05	9.70
12/01/2013	MF	US2	09:00:35	B	8.0	325.1	0.49	17.72	32.93	95.42	7.46	16.67	8.03	18.20
12/01/2013	MF	US2	09:02:11	M	4.5	213.6	0.22	17.72	32.93	95.58	7.47	10.88	8.03	13.40
12/01/2013	MF	US2	09:04:15	S	1.0	228.7	0.68	17.73	32.93	96.12	7.51	7.91	8.03	10.40
12/01/2013	MF	US2	09:06:03	B	8.0	232.7	0.48	17.73	32.93	95.31	7.45	16.37	8.03	17.80
12/01/2013	MF	US2	09:07:35	M	4.5	199.0	0.42	17.73	32.93	95.50	7.46	10.23	8.03	14.00
12/01/2013	MF	US2	09:09:07	S	1.0	270.8	1.27	17.74	32.93	95.94	7.49	7.29	8.03	10.20
12/01/2013	MF	US2	09:10:35	B	8.0	304.5	0.71	17.73	32.93	95.28	7.44	14.84	8.03	18.30
12/01/2013	MF	US2	09:12:15	M	4.5	304.8	0.52	17.74	32.93	95.42	7.45	9.09	8.03	14.00
12/01/2013	MF	US2	09:14:35	S	1.0	256.9	0.06	17.75	32.93	95.88	7.49	7.82	8.03	10.30
12/01/2013	MF	MW1	06:47:32	B	19.8	258.8	0.31	17.82	33.08	101.80	7.93	4.98	7.60	8.00
12/01/2013	MF	MW1	06:49:24	M	10.4	92.7	0.15	17.82	33.07	100.84	7.86	5.29	7.66	8.50
12/01/2013	MF	MW1	06:51:12	S	1.0	185.2	0.23	17.81	33.06	99.81	7.78	5.73	7.70	7.10
12/01/2013	MF	MW1	06:58:28	B	19.8	10.6	0.33	17.82	33.06	100.17	7.81	5.88	7.74	7.90
12/01/2013	MF	MW1	07:00:16	M	10.4	44.9	0.44	17.82	33.05	99.94	7.79	5.78	7.74	9.00
12/01/2013	MF	MW1	07:01:58	S	1.0	323.7	0.49	17.82	33.05	98.92	7.71	5.65	7.75	7.40
12/01/2013	MF	MW1	07:03:44	B	19.8	84.3	0.08	17.83	33.05	99.17	7.73	5.66	7.71	7.50
12/01/2013	MF	MW1	07:05:36	M	10.4	177.4	0.15	17.82	33.05	98.98	7.71	6.39	7.71	9.00
12/01/2013	MF	MW1	07:07:16	S	1.0	73.3	0.06	17.82	33.06	98.74	7.70	5.76	7.72	7.40
12/01/2013	MF	THB1	08:16:36	B	3.2	237.7	0.46	17.57	33.01	108.08	8.46	4.40	7.79	8.00
12/01/2013	MF	THB1	08:18:04	S	1.0	241.4	0.65	17.58	33.03	107.70	8.43	3.60	7.82	6.80
12/01/2013	MF	THB1	08:19:36	B	3.2	15.1	0.76	17.58	33.10	107.23	8.39	3.77	7.84	7.80
12/01/2013	MF	THB1	08:21:04	S	1.0	201.4	0.61	17.57	33.10	107.90	8.45	3.73	7.85	6.80
12/01/2013	MF	THB1	08:22:32	B	3.2	188.7	0.58	17.57	33.11	107.08	8.38	3.68	7.85	7.80
12/01/2013	MF	THB1	08:24:00	S	1.0	237.6	0.52	17.57	33.12	107.10	8.38	3.31	7.86	7.00
12/01/2013	MF	THB2	07:13:53	M	1.0	0.0	0.00	17.82	32.76	102.88	8.03	4.61	8.06	6.10
12/01/2013	MF	THB2	07:15:19	M	1.0	0.0	0.00	17.80	32.81	102.47	8.00	5.36	8.08	6.40
12/01/2013	MF	THB2	07:16:41	M	1.0	0.0	0.00	17.81	32.78	102.51	8.00	4.52	8.10	6.20
12/01/2013	MF	WSR45C	07:45:00	B	12.8	264.8	0.58	17.75	33.09	101.02	7.88	10.45	7.82	8.90
12/01/2013	MF	WSR45C	07:46:44	M	6.9	172.1	0.22	17.75	33.09	100.81	7.86	11.58	7.82	13.50
12/01/2013	MF	WSR45C	07:48:20	S	1.0	253.8	0.91	17.75	33.09	100.14	7.81	8.85	7.82	9.90
12/01/2013	MF	WSR45C	07:50:04	B	12.8	244.7	0.40	17.76	33.09	100.52	7.84	11.75	7.82	8.50
12/01/2013	MF	WSR45C	07:51:40	M	6.9	260.4	0.41	17.76	33.10	100.38	7.83	10.20	7.82	12.90
12/01/2013	MF	WSR45C	07:53:12	S	1.0	282.1	0.35	17.75	33.10	99.87	7.79	8.98	7.81	9.50
12/01/2013	MF	WSR45C	07:54:52	B	12.8	91.4	0.25	17.76	33.10	100.52	7.84	11.57	7.81	8.50
12/01/2013	MF	WSR45C	07:56:28	M	6.9	234.7	0.27	17.76	33.10	100.33	7.83	10.22	7.81	13.10
12/01/2013	MF	WSR45C	07:58:04	S	1.0	281.6	0.59	17.76	33.10	99.94	7.80	9.71	7.81	10.20
12/01/2013	MF	WSR46	08:42:44	B	9.6	288.7	0.24	17.72	33.08	99.72	7.78	11.75	7.75	11.80
12/01/2013	MF	WSR46	08:44:24	M	5.3	311.0	0.51	17.70	33.10	99.43	7.76	7.26	7.78	9.30
12/01/2013	MF	WSR46	08:45:52	S	1.0	303.8	0.68	17.71	33.10	99.20	7.74	5.35	7.79	8.20
12/01/2013	MF	WSR46	08:47:28	B	9.6	296.0	0.34	17.70	33.10	99.00	7.73	9.98	7.80	11.10
12/01/2013	MF	WSR46	08:49:04	M	5.3	310.7	0.50	17.71	33.11	99.16	7.74	6.98	7.80	9.50
12/01/2013	MF	WSR46	08:50:40	S	1.0	297.3	0.56	17.73						

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)
12/01/2013	ME	DS1	12:15:48	B	6.0	0.9	0.31	17.83	32.88	96.67	7.54	3.53	8.01	8.10
12/01/2013	ME	DS1	12:17:22	M	3.5	187.1	0.28	17.86	32.88	97.34	7.59	3.51	8.03	5.70
12/01/2013	ME	DS1	12:19:12	S	1.0	139.0	0.34	17.84	32.88	97.27	7.58	3.55	8.04	5.20
12/01/2013	ME	DS1	12:20:44	B	6.0	88.9	0.30	17.81	32.88	96.18	7.50	3.62	8.04	7.70
12/01/2013	ME	DS1	12:22:20	M	3.5	42.7	0.66	17.85	32.88	97.00	7.56	3.43	8.04	5.50
12/01/2013	ME	DS1	12:23:56	S	1.0	186.2	0.68	17.90	32.87	97.80	7.62	3.35	8.05	5.60
12/01/2013	ME	DS1	12:25:32	B	6.0	72.4	0.53	17.81	32.88	96.13	7.50	3.55	8.04	7.40
12/01/2013	ME	DS1	12:27:00	M	3.5	190.4	0.22	17.82	32.87	96.35	7.52	4.02	8.04	5.90
12/01/2013	ME	DS1	12:28:28	S	1.0	79.9	0.47	17.82	32.87	96.32	7.51	3.63	8.04	6.00
12/01/2013	ME	DS2	12:35:16	B	7.0	51.8	0.25	17.80	32.89	96.54	7.53	3.80	8.04	6.90
12/01/2013	ME	DS2	12:36:52	M	4.0	41.3	0.48	17.81	32.88	96.43	7.52	3.73	8.05	7.30
12/01/2013	ME	DS2	12:38:20	S	1.0	93.1	0.40	17.92	32.85	97.46	7.59	3.05	8.06	6.80
12/01/2013	ME	DS2	12:40:12	B	7.0	127.9	0.22	17.81	32.89	96.21	7.51	3.80	8.06	6.80
12/01/2013	ME	DS2	12:41:36	M	4.0	25.7	0.31	17.83	32.88	96.51	7.53	3.33	8.06	7.10
12/01/2013	ME	DS2	12:43:00	S	1.0	19.4	0.30	17.89	32.86	97.31	7.58	3.28	8.06	6.50
12/01/2013	ME	DS2	12:44:52	B	7.0	30.5	0.31	17.80	32.90	96.11	7.50	3.96	8.06	6.70
12/01/2013	ME	DS2	12:46:40	M	4.0	175.5	0.17	17.84	32.89	97.57	7.61	3.65	8.07	7.00
12/01/2013	ME	DS2	12:48:20	S	1.0	73.5	0.42	17.93	32.85	97.69	7.61	3.08	8.06	6.20
12/01/2013	ME	DS3	12:54:36	B	8.0	228.0	0.42	17.79	32.89	96.08	7.50	3.57	8.04	5.40
12/01/2013	ME	DS3	12:56:08	M	4.5	267.9	0.36	17.83	32.88	97.07	7.57	3.20	8.05	5.90
12/01/2013	ME	DS3	12:58:20	S	1.0	185.0	0.17	17.95	32.88	98.62	7.67	3.19	8.06	6.20
12/01/2013	ME	DS3	12:59:56	B	8.0	149.9	0.65	17.80	32.89	96.08	7.50	3.57	8.05	5.80
12/01/2013	ME	DS3	13:01:32	M	4.5	23.6	0.55	17.81	32.89	96.94	7.56	3.17	8.06	6.00
12/01/2013	ME	DS3	13:03:00	S	1.0	285.7	0.16	17.91	32.88	98.88	7.70	3.32	8.07	5.70
12/01/2013	ME	DS3	13:04:36	B	8.0	116.8	0.30	17.80	32.89	96.25	7.51	3.60	8.06	5.90
12/01/2013	ME	DS3	13:06:00	M	4.5	322.9	0.14	17.82	32.89	97.33	7.59	3.20	8.06	5.80
12/01/2013	ME	DS3	13:07:28	S	1.0	294.6	0.46	17.89	32.89	99.11	7.72	3.19	8.07	6.00
12/01/2013	ME	DS4	13:13:20	B	7.0	355.8	0.12	17.76	32.90	97.15	7.59	3.66	8.05	6.80
12/01/2013	ME	DS4	13:14:52	M	4.0	117.1	0.74	17.79	32.90	96.57	7.54	3.56	8.05	5.70
12/01/2013	ME	DS4	13:16:36	S	1.0	53.2	0.32	17.95	32.89	100.03	7.78	3.06	8.07	5.90
12/01/2013	ME	DS4	13:18:28	B	7.0	74.4	1.01	17.76	32.90	97.03	7.58	3.76	8.06	7.10
12/01/2013	ME	DS4	13:19:56	M	4.0	205.5	0.07	17.79	32.90	96.61	7.54	3.35	8.06	6.00
12/01/2013	ME	DS4	13:21:28	S	1.0	179.6	0.28	17.95	32.90	100.24	7.80	3.27	8.08	5.70
12/01/2013	ME	DS4	13:22:56	B	7.0	281.5	0.07	17.76	32.90	97.04	7.58	3.70	8.06	6.50
12/01/2013	ME	DS4	13:24:20	M	4.0	122.3	1.08	17.79	32.90	96.94	7.56	3.63	8.06	5.90
12/01/2013	ME	DS4	13:25:44	S	1.0	68.1	0.14	17.94	32.90	100.26	7.80	3.23	8.08	5.70
12/01/2013	ME	DS5	13:32:32	B	4.0	18.7	0.26	17.79	32.91	101.12	7.89	3.74	8.07	5.20
12/01/2013	ME	DS5	13:34:08	M	2.5	314.6	0.45	17.79	32.91	101.08	7.89	3.59	8.08	5.60
12/01/2013	ME	DS5	13:36:12	S	1.0	64.8	0.31	17.95	32.91	100.78	7.84	2.92	8.08	5.40
12/01/2013	ME	DS5	13:37:48	B	4.0	275.8	0.19	17.79	32.91	100.95	7.88	3.57	8.08	5.60
12/01/2013	ME	DS5	13:39:16	M	2.5	38.0	0.38	17.81	32.91	101.11	7.89	3.69	8.08	6.20
12/01/2013	ME	DS5	13:40:48	S	1.0	356.4	0.62	17.91	32.91	101.26	7.88	3.02	8.08	5.20
12/01/2013	ME	DS5	13:42:16	B	4.0	315.7	0.49	17.81	32.91	101.34	7.91	3.93	8.08	6.00
12/01/2013	ME	DS5	13:43:44	M	2.5	64.1	0.20	17.81	32.91	101.13	7.89	3.45	8.08	6.50
12/01/2013	ME	DS5	13:45:20	S	1.0	80.8	0.19	17.86	32.91	101.23	7.89	3.26	8.08	5.10
12/01/2013	ME	US1	14:00:52	B	4.0	139.9	0.85	17.62	32.94	101.59	7.95	4.79	8.07	8.10
12/01/2013	ME	US1	14:02:48	M	2.5	267.9	0.55	17.63	32.94	101.39	7.94	4.57	8.08	8.20
12/01/2013	ME	US1	14:04:32	S	1.0	266.3	0.05	17.63	32.94	101.92	7.98	4.54	8.09	6.50
12/01/2013	ME	US1	14:06:32	B	4.0	92.0	0.32	17.63	32.94	101.30	7.93	4.64	8.09	7.80
12/01/2013	ME	US1	14:07:56	M	2.5	107.5	0.52	17.63	32.94	101.48	7.94	4.80	8.09	7.60
12/01/2013	ME	US1	14:09:24	S	1.0	107.7	0.41	17.66	32.94	102.42	8.01	4.44	8.10	6.30
12/01/2013	ME	US1	14:11:08	B	4.0	173.7	0.27	17.63	32.94	101.46	7.94	4.56	8.09	8.40
12/01/2013	ME	US1	14:12:36	M	2.5	69.7	0.42	17.64	32.94	101.72	7.96	4.64	8.10	7.20
12/01/2013	ME	US1	14:14:00	S	1.0	94.6	0.50	17.66	32.94	102.30	8.00	4.46	8.10	6.80
12/01/2013	ME	US2	14:26:12	B	5.0	231.5	0.25	17.66	32.95	100.67	7.87	14.77	8.09	8.30
12/01/2013	ME	US2	14:27:36	M	3.0	336.0	0.99	17.65	32.95	100.70	7.88	15.73	8.09	10.20
12/01/2013	ME	US2	14:29:08	S	1.0	158.4	0.37	17.65	32.95	101.07	7.91	14.36	8.09	8.90
12/01/2013	ME	US2	14:30:56	B	5.0	82.9	0.70	17.64	32.95	100.41	7.86	12.21	8.08	16.70
12/01/2013	ME	US2	14:32:32	M	3.0	106.5	0.15	17.64	32.95	100.58	7.87	12.99	8.08	18.90
12/01/2013	ME	US2	14:34:08	S	1.0	219.9	0.21	17.66	32.95	101.11	7.91	14.32	8.09	16.80
12/01/2013	ME	US2	14:35:44	B	5.0	14.5	0.12	17.65	32.95	100.74	7.88	14.18	8.09	14.40
12/01/2013	ME	US2	14:37:08	M	3.0	134.2	0.05	17.66	32.95	100.92	7.89	15.02	8.09	11.90
12/01/2013	ME	US2	14:38:32	S	1.0	310.0	0.25	17.66	32.95	101.12	7.91	13.72	8.09	16.90
12/01/2013	ME	MW1	13:51:23	B	19.8	20.7	0.14	17.90	33.00	95.30	7.42	4.06	7.78	5.60
12/01/2013	ME	MW1	13:53:27	M	10.4	34.6	0.28	17.92	33.00	93.95	7.31	3.29	7.77	6.50
12/01/2013	ME	MW1	13:55:03	S	1.0	89.0	0.41	17.95	32.98	93.67	7.28	3.22	7.77	4.70
12/01/2013	ME	MW1	13:56:55	B	19.8	288.1	0.24	17.91	33.02	94.14	7.33	4.19	7.77	6.00
12/01/2013	ME	MW1	13:58:39	M	10.4	174.1	0.39	17.92	33.01	93.46	7.27	3.82	7.77	6.20
12/01/2013	ME	MW1	14:00:19	S	1.0	78.1	0.29	17.93	33.00	93.39	7.27	3.29	7.77	4.90
12/01/2013	ME	MW1	14:02:01	B	19.8	191.5	0.16	17.92	33.01	93.79	7.30	3.47	7.77	6.20
12/01/2013	ME	MW1	14:03:47	M	10.4	114.9	0.57	17.92	33.02	93.62	7.28	3.53	7.77	6.40
12/01/2013	ME	MW1	14:05:23	S	1.0	124.5	0.22	17.92	33.02	94.09	7.32	3.94	7.77	5.20
12/01/2013	ME	THB1	12:41:39	B	3.8	214.3	0.14	17.64	32.97	108.38	8.48	3.03	7.79	6.30
12/01/2013	ME	THB1	12:43:20	S	1.0	137.9	0.20	17.71	33.10	107.74	8.41	3.21	7.80	8.50
12/01/2013	ME	THB1	12:44:47	B	3.8	290.6	0.04	17.68	33.11	106.97	8.36	3.24	7.81	6.50
12/01/2013	ME	THB1	12:46:15	S	1.0	114.2	0.59	17.72	33.11	107.75	8.41	3.09	7.82	7.90
12/01/2013	ME	THB1	12:47:43	B	3.8	198.6	0.31	17.64	33.11	106.52	8.33	2.99	7.82	6.10
12/01/2013	ME	THB1	12:49:07	S	1.0	170.5	0.44	17.68	33.11	107.00	8.36	3.16	7.83	7.60
12/01/2013	ME	THB2	12:23:32	M	1.5	0.0	0.00	17.59	32.98	115.29	9.03	4.95	7.88	8.00
12/01/2013	ME	THB2	12:24:56	M	1.5	0.0	0.00	17.59	32.98	115.34	9.03	4.85	7.89	7.90
12/01/2013	ME	THB2	12:26:20	M	1.5	0.0	0.00	17.59	32.98	115.28	9.03	4.78	7.89	7.70
12/01/2013	ME	WSR45C	13:08:07	B	12.8	128.6	0.28	17.85	33.05	97.44	7.59	2.70	7.76	4.90
12/01/2013	ME	WSR45C	13:09:39	M	6.9	0.7	0.08	17.89	33.04	96.26	7.49	2.64	7.76	6.60
12/01/2013	ME	WSR45C	13:11:07	S	1.0	81.6	0.25	17.95	32.93	96.99	7.54	2.58	7.76	5.80
12/01/														