

Impact Water Quality Monitoring for Dredging Activities at SB CMP 2

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)
2013/11/09	MF	DS1	11:10:29	B	3.0	253.4	0.55	25.05	29.81	91.65	6.39	8.18	8.11	9
2013/11/09	MF	DS1	11:11:24	T	1.0	245.0	0.25	25.07	29.79	91.85	6.40	7.78	8.13	9
2013/11/09	MF	DS1	11:12:09	B	3.0	61.3	0.31	25.04	29.83	91.45	6.37	8.28	8.13	9
2013/11/09	MF	DS1	11:13:04	T	1.0	245.0	0.25	25.07	29.78	91.85	6.40	7.58	8.13	9
2013/11/09	MF	DS1	11:13:59	B	3.0	162.8	0.77	25.04	29.84	91.46	6.37	8.38	8.13	9
2013/11/09	MF	DS1	11:15:04	T	1.0	327.2	0.15	25.10	29.72	91.96	6.41	7.18	8.14	10
2013/11/09	MF	DS2	11:21:29	B	2.0	243.2	0.24	25.08	30.00	93.17	6.48	8.08	8.15	9
2013/11/09	MF	DS2	11:22:34	T	1.0	158.1	0.28	25.15	29.94	93.18	6.48	6.78	8.15	7
2013/11/09	MF	DS2	11:23:24	B	2.0	285.1	0.98	25.10	29.96	92.98	6.47	7.18	8.15	10
2013/11/09	MF	DS2	11:24:09	T	1.0	158.1	0.28	25.16	29.89	93.28	6.49	6.68	8.15	7
2013/11/09	MF	DS2	11:24:59	B	2.0	358.1	0.43	25.06	29.98	92.88	6.47	7.38	8.15	8
2013/11/09	MF	DS2	11:25:59	T	1.0	158.1	0.28	25.14	29.88	93.09	6.47	6.78	8.15	8
2013/11/09	MF	DS3	11:32:29	B	2.0	29.2	0.29	25.01	30.16	92.70	6.45	13.18	8.14	18
2013/11/09	MF	DS3	11:33:19	T	1.0	317.9	0.44	25.06	30.15	92.90	6.46	12.28	8.14	15
2013/11/09	MF	DS3	11:34:09	B	2.0	183.9	0.63	25.01	30.15	92.51	6.44	14.78	8.14	16
2013/11/09	MF	DS3	11:34:59	T	1.0	317.9	0.44	25.08	30.15	93.11	6.47	12.98	8.14	15
2013/11/09	MF	DS3	11:35:59	B	2.0	126.2	0.76	25.02	30.14	92.61	6.44	16.49	8.14	16
2013/11/09	MF	DS3	11:36:59	T	1.0	317.9	0.44	25.07	30.14	93.11	6.47	13.78	8.14	16
2013/11/09	MF	DS4	11:43:39	B	5.0	193.9	0.45	25.06	30.22	92.43	6.42	11.58	8.09	15
2013/11/09	MF	DS4	11:44:44	M	3.3	288.8	0.61	25.11	30.20	92.83	6.45	11.58	8.10	15
2013/11/09	MF	DS4	11:45:34	T	1.3	335.8	0.19	25.13	30.18	93.53	6.50	12.08	8.11	13
2013/11/09	MF	DS4	11:46:24	B	5.0	54.6	0.24	25.04	30.24	92.13	6.41	13.38	8.11	14
2013/11/09	MF	DS4	11:47:09	M	3.5	73.6	0.41	25.05	30.23	92.14	6.41	12.18	8.11	14
2013/11/09	MF	DS4	11:47:59	T	1.0	189.7	0.35	25.14	30.20	93.34	6.48	11.28	8.12	13
2013/11/09	MF	DS4	11:48:59	B	5.0	260.4	0.59	25.12	30.23	92.64	6.43	11.58	8.12	14
2013/11/09	MF	DS4	11:49:59	M	3.5	142.9	0.28	25.15	30.22	93.24	6.47	11.28	8.12	14
2013/11/09	MF	DS4	11:50:59	T	1.0	342.6	0.40	25.16	30.21	93.95	6.52	10.68	8.11	12
2013/11/09	MF	DS5	12:02:10	B	2.0	127.6	0.08	25.15	30.10	93.58	6.50	14.58	8.07	19
2013/11/09	MF	DS5	12:02:59	T	1.0	314.4	0.61	25.16	30.10	93.18	6.47	13.58	8.07	14
2013/11/09	MF	DS5	12:03:59	B	2.0	275.7	1.07	25.15	30.09	92.88	6.45	14.18	8.08	19
2013/11/09	MF	DS5	12:04:59	T	1.0	147.7	0.66	25.17	30.09	93.18	6.47	13.48	8.08	14
2013/11/09	MF	DS5	12:05:59	B	2.0	306.7	0.65	25.18	30.08	93.08	6.46	13.78	8.09	18
2013/11/09	MF	DS5	12:06:59	T	1.0	63.1	0.34	25.19	30.08	93.29	6.48	13.68	8.09	13
2013/11/09	MF	US1	12:26:34	B	3.0	265.7	0.63	25.20	29.98	92.23	6.40	11.18	7.98	11
2013/11/09	MF	US1	12:27:19	T	1.0	301.1	0.16	25.20	29.87	91.93	6.39	9.08	7.97	10
2013/11/09	MF	US1	12:28:14	B	3.0	223.4	0.70	25.17	29.82	91.43	6.36	9.58	7.96	11
2013/11/09	MF	US1	12:28:59	T	1.0	301.1	0.16	25.21	29.78	91.74	6.38	8.48	7.96	10
2013/11/09	MF	US1	12:29:59	B	3.0	271.4	0.54	25.18	29.76	91.24	6.35	9.58	7.96	10
2013/11/09	MF	US1	12:30:59	T	1.0	301.1	0.16	25.20	29.74	91.64	6.37	8.48	7.96	10
2013/11/09	MF	US2	12:35:59	B	3.0	214.2	0.35	25.22	29.67	91.95	6.39	7.98	7.98	10
2013/11/09	MF	US2	12:36:59	T	1.0	52.0	0.31	25.23	29.64	91.86	6.39	7.58	7.99	9
2013/11/09	MF	US2	12:37:59	B	3.0	131.6	0.16	25.11	29.70	90.55	6.31	9.28	7.99	11
2013/11/09	MF	US2	12:38:59	T	1.0	308.9	1.19	25.22	29.65	91.66	6.37	7.88	8.00	8
2013/11/09	MF	US2	12:39:59	B	3.0	272.5	0.35	25.12	29.69	90.66	6.31	9.38	8.01	10
2013/11/09	MF	US2	12:40:59	T	1.0	236.9	0.35	25.22	29.64	91.57	6.37	7.58	8.01	7
2013/11/09	MF	MW1	11:13:49	B	19.1	103.2	0.35	25.11	31.04	84.45	5.84	11.10	7.77	14
2013/11/09	MF	MW1	11:14:54	M	10.6	229.3	0.06	25.13	30.92	84.66	5.86	7.69	7.79	11
2013/11/09	MF	MW1	11:15:46	T	1.1	18.5	0.67	25.23	30.59	84.92	5.87	6.35	7.80	8
2013/11/09	MF	MW1	11:17:56	B	18.7	289.1	0.48	25.10	31.09	83.92	5.80	12.81	7.82	16
2013/11/09	MF	MW1	11:20:01	M	10.4	139.2	0.50	25.11	31.06	84.11	5.81	10.88	7.84	11
2013/11/09	MF	MW1	11:21:07	T	1.0	205.3	0.08	25.18	30.76	85.13	5.89	6.51	7.85	8
2013/11/09	MF	MW1	11:22:20	B	18.2	138.8	0.57	25.10	31.10	84.14	5.82	11.59	7.85	14
2013/11/09	MF	MW1	11:23:10	M	10.6	300.1	0.42	25.11	31.07	84.23	5.82	10.43	7.85	12
2013/11/09	MF	MW1	11:24:19	T	1.1	319.1	0.31	25.22	30.70	85.10	5.88	6.07	7.85	9
2013/11/09	MF	THB1	12:23:39	B	2.7	189.3	0.51	25.09	30.37	90.50	6.28	9.89	7.90	13
2013/11/09	MF	THB1	12:24:32	T	1.0	314.6	0.64	25.19	30.29	91.94	6.38	8.43	7.90	12
2013/11/09	MF	THB1	12:25:18	B	3.0	251.8	0.88	25.09	30.35	90.42	6.28	7.89	7.89	14
2013/11/09	MF	THB1	12:26:28	T	1.2	107.9	0.47	25.17	30.29	91.49	6.35	8.55	7.89	10
2013/11/09	MF	THB1	12:27:21	B	2.9	289.2	0.23	25.11	30.34	90.75	6.30	10.31	7.89	13
2013/11/09	MF	THB1	12:28:15	T	0.9	281.2	0.22	25.19	30.29	91.97	6.38	7.89	7.89	10
2013/11/09	MF	THB2	12:30:00	M	1.3	40.0	0.03	25.16	30.77	84.39	5.84	11.05	7.86	11
2013/11/09	MF	THB2	12:30:58	M	1.3	40.0	0.03	25.16	30.75	83.79	5.80	10.35	7.86	11
2013/11/09	MF	THB2	12:32:13	M	1.3	40.0	0.03	25.16	30.77	83.38	5.77	10.95	7.86	11
2013/11/09	MF	WSR45C	11:55:10	B	11.9	56.3	0.41	25.09	30.29	87.42	6.07	10.14	7.90	12
2013/11/09	MF	WSR45C	11:56:21	M	6.9	158.8	0.35	25.09	30.29	87.31	6.06	9.44	7.88	12
2013/11/09	MF	WSR45C	11:57:08	T	1.0	154.3	0.25	25.18	30.28	88.05	6.11	7.77	7.88	11
2013/11/09	MF	WSR45C	11:58:25	B	11.7	350.6	0.62	25.08	30.29	87.07	6.05	10.86	7.88	13
2013/11/09	MF	WSR45C	11:59:18	M	6.8	324.0	0.34	25.09	30.30	86.93	6.04	10.10	7.88	12
2013/11/09	MF	WSR45C	12:00:14	T	1.0	237.0	0.29	25.26	30.25	88.75	6.15	6.18	7.88	11
2013/11/09	MF	WSR45C	12:01:44	B	12.0	317.2	0.36	25.09	30.30	86.81	6.03	10.59	7.88	12
2013/11/09	MF	WSR45C	12:02:27	M	6.8	152.1	0.24	25.10	30.30	87.33	6.06	9.27	7.88	12
2013/11/09	MF	WSR45C	12:03:59	T	1.0	331.3	0.45	25.23	30.25	88.52	6.14	6.54	7.88	9
2013/11/09	MF	WSR46	12:59:56	B	8.7	318.0	1.43	25.02	30.37	89.02	6.19	15.15	7.89	19
2013/11/09	MF	WSR46	13:00:45	M	5.6	335.7	0.72	25.09	30.32	89.56	6.22	9.51	7.89	12
2013/11/09	MF	WSR46	13:01:51	T	0.9	10.9	0.17	25.12	30.30	89.95	6.24	8.39	7.88	12
2013/11/09	MF	WSR46	13:02:39	B	8.9	92.7	0.15	25.10	30.35	89.09	6.19	13.33	7.88	21
2013/11/09	MF	WSR46	13:03:41	M	5.4	302.8	0.41	25.04	30.32	89.55	6.22	9.66	7.88	12
2013/11/09	MF	WSR46	13:04:20	T	1.0	228.1	0.50	25.14	30.30	90.09	6.25	7.91	7.88	14
2013/11/09	MF	WSR46	13:05:08	B	9.0	316.8	0.53	25.04	30.36	88.81	6.17	13.82	7.88	21
2013/11/09	MF	WSR46	13:06:08	M	5.2	203.3	0.08	25.09	30.32	89.43	6.21	10.13	7.88	13
2013/11/09	MF	WSR46	13:07:09	T	1.1	241.6	0.40	25.12	30.31	89.82	6.23	8.98	7.88	13

Impact Water Quality Monitoring for Dredging Activities at SB CMP 2

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)
2013/11/09	ME	DS1	16:21:34	B	3.0	296.3	0.29	25.28	29.52	93.48	6.50	13.08	7.91	18
2013/11/09	ME	DS1	16:22:24	T	1.0	80.7	1.13	25.28	29.55	90.79	6.31	7.38	7.92	7
2013/11/09	ME	DS1	16:23:14	B	3.0	336.4	0.51	25.27	29.57	90.29	6.28	8.18	7.93	18
2013/11/09	ME	DS1	16:23:59	T	1.0	240.5	0.21	25.27	29.57	90.19	6.27	7.28	7.94	7
2013/11/09	ME	DS1	16:24:59	B	3.0	172.9	0.28	25.26	29.59	89.90	6.25	10.78	7.95	16
2013/11/09	ME	DS1	16:25:59	T	1.0	12.2	1.42	25.25	29.59	89.90	6.25	11.38	7.97	9
2013/11/09	ME	DS2	16:31:04	B	4.0	99.4	0.28	25.26	29.63	90.22	6.27	7.28	8.01	8
2013/11/09	ME	DS2	16:31:59	M	3.0	181.1	0.58	25.26	29.63	90.13	6.26	7.18	8.02	10
2013/11/09	ME	DS2	16:32:59	T	1.0	11.6	0.55	25.24	29.64	90.23	6.27	7.08	8.03	9
2013/11/09	ME	DS2	16:33:59	B	4.0	65.1	0.39	25.20	29.65	89.34	6.22	7.58	8.04	8
2013/11/09	ME	DS2	16:35:02	M	3.1	264.7	0.69	25.22	29.65	89.64	6.23	7.68	8.04	8
2013/11/09	ME	DS2	16:35:59	T	1.0	219.9	1.54	25.23	29.65	89.95	6.25	7.28	8.05	8
2013/11/09	ME	DS2	16:36:59	B	4.0	237.3	0.18	25.21	29.65	89.45	6.22	7.98	8.05	9
2013/11/09	ME	DS2	16:37:59	M	3.0	145.4	0.16	25.21	29.65	89.66	6.24	8.48	8.05	7
2013/11/09	ME	DS2	16:38:59	T	1.0	169.6	0.87	25.21	29.65	89.86	6.25	8.08	8.06	9
2013/11/09	ME	DS3	16:44:19	B	7.0	302.2	0.23	25.16	29.87	85.68	5.96	9.78	8.00	12
2013/11/09	ME	DS3	16:45:09	M	4.5	165.3	0.43	25.15	29.85	86.18	5.99	9.58	8.01	10
2013/11/09	ME	DS3	16:45:59	T	1.0	169.6	0.87	25.21	29.66	89.19	6.20	7.48	8.03	9
2013/11/09	ME	DS3	16:49:19	B	7.1	108.3	0.36	25.17	29.88	87.10	6.05	9.78	7.97	13
2013/11/09	ME	DS3	16:50:00	M	4.5	258.7	0.76	25.22	29.67	87.51	6.08	8.08	7.99	10
2013/11/09	ME	DS3	16:50:59	T	1.0	225.8	0.16	25.24	29.65	89.62	6.23	7.48	8.01	8
2013/11/09	ME	DS3	16:51:59	B	7.0	155.8	0.17	25.16	29.89	85.01	5.91	10.68	7.99	12
2013/11/09	ME	DS3	16:52:59	M	4.5	297.0	0.59	25.21	29.68	88.02	6.12	7.78	8.01	10
2013/11/09	ME	DS3	16:53:59	T	1.0	65.4	1.00	25.23	29.66	89.73	6.24	7.08	8.02	10
2013/11/09	ME	DS4	16:59:44	B	5.0	90.0	0.09	25.20	30.18	85.74	5.95	5.78	8.00	10
2013/11/09	ME	DS4	17:00:34	M	3.5	40.7	0.69	25.19	29.89	86.35	6.00	6.28	8.01	9
2013/11/09	ME	DS4	17:01:29	T	1.0	62.4	0.53	25.18	29.73	88.56	6.16	7.08	8.01	9
2013/11/09	ME	DS4	17:02:09	B	5.0	32.0	0.20	25.20	30.15	85.55	5.94	6.18	8.00	9
2013/11/09	ME	DS4	17:03:09	M	3.6	265.4	0.28	25.17	29.73	87.77	6.11	6.98	8.01	9
2013/11/09	ME	DS4	17:03:59	T	1.0	49.3	0.49	25.17	29.72	88.67	6.17	7.08	8.02	8
2013/11/09	ME	DS4	17:04:59	B	5.0	52.2	0.49	25.18	30.06	85.17	5.91	5.98	8.01	9
2013/11/09	ME	DS4	17:06:10	M	3.4	358.5	0.61	25.17	29.71	88.48	6.16	7.18	8.02	9
2013/11/09	ME	DS4	17:06:59	T	1.0	256.1	0.40	25.17	29.71	88.69	6.17	7.38	8.02	8
2013/11/09	ME	DS5	17:12:59	B	6.0	136.1	0.52	25.20	30.26	86.00	5.96	6.28	8.01	7
2013/11/09	ME	DS5	17:13:59	M	4.0	234.0	0.66	25.20	30.20	85.71	5.94	5.38	8.00	6
2013/11/09	ME	DS5	17:14:59	T	1.0	256.1	0.40	25.16	29.74	88.72	6.17	6.38	8.01	8
2013/11/09	ME	DS5	17:15:59	B	6.0	316.7	0.34	25.20	30.23	85.51	5.93	5.98	8.00	9
2013/11/09	ME	DS5	17:17:00	M	4.0	189.5	0.61	25.18	29.78	87.63	6.09	6.08	8.01	7
2013/11/09	ME	DS5	17:17:59	T	1.0	236.7	0.26	25.15	29.73	88.94	6.19	6.18	8.01	7
2013/11/09	ME	DS5	17:18:59	B	6.0	215.8	0.42	25.21	30.22	85.53	5.93	6.08	8.00	7
2013/11/09	ME	DS5	17:19:59	M	4.0	43.9	0.37	25.19	29.84	87.64	6.09	5.98	8.01	7
2013/11/09	ME	DS5	17:20:59	T	1.0	49.0	0.70	25.15	29.74	89.05	6.20	6.18	8.01	8
2013/11/09	ME	US1	17:51:19	B	3.0	281.3	0.77	25.26	29.69	93.51	6.50	6.98	7.94	10
2013/11/09	ME	US1	17:52:19	T	1.0	255.8	0.46	25.25	29.69	92.61	6.44	8.08	7.93	9
2013/11/09	ME	US1	17:53:04	B	3.0	82.5	1.02	25.25	29.68	92.42	6.42	7.88	7.93	10
2013/11/09	ME	US1	17:53:59	T	1.1	336.0	0.51	25.25	29.68	92.52	6.43	7.88	7.93	8
2013/11/09	ME	US1	17:54:59	B	3.0	314.9	0.29	25.25	29.66	92.12	6.40	8.78	7.93	8
2013/11/09	ME	US1	17:56:01	T	1.0	282.5	0.48	25.24	29.67	92.33	6.42	7.88	7.93	7
2013/11/09	ME	US2	18:10:30	B	2.9	328.9	0.55	25.27	29.75	93.50	6.49	15.09	7.93	18
2013/11/09	ME	US2	18:11:39	T	1.0	160.2	0.20	25.26	29.74	93.21	6.47	10.38	7.92	13
2013/11/09	ME	US2	18:12:34	B	3.4	120.6	0.51	25.26	29.74	92.91	6.45	9.88	7.91	20
2013/11/09	ME	US2	18:13:20	T	1.0	320.2	0.35	25.26	29.73	93.12	6.47	9.68	7.91	12
2013/11/09	ME	US2	18:14:14	B	2.7	5.0	0.64	25.26	29.73	93.02	6.46	11.78	7.91	19
2013/11/09	ME	US2	18:14:59	T	1.0	71.0	0.53	25.26	29.73	93.12	6.47	9.78	7.91	12
2013/11/09	ME	MW1	18:17:47	B	20.2	243.6	0.20	25.14	31.38	86.17	5.94	6.21	7.87	8
2013/11/09	ME	MW1	18:18:43	M	11.1	51.1	0.69	25.14	31.36	85.93	5.93	5.77	7.87	9
2013/11/09	ME	MW1	18:19:30	T	1.2	35.4	0.86	25.13	31.31	86.19	5.95	5.93	7.86	7
2013/11/09	ME	MW1	18:20:42	B	19.8	243.6	0.20	25.14	31.35	85.86	5.92	6.24	7.85	9
2013/11/09	ME	MW1	18:21:31	M	11.0	29.0	0.22	25.13	31.34	85.83	5.92	6.77	7.85	8
2013/11/09	ME	MW1	18:22:24	T	1.1	36.8	0.54	25.13	31.24	86.46	5.97	5.71	7.86	7
2013/11/09	ME	MW1	18:23:32	B	20.1	243.6	0.20	25.14	31.34	85.83	5.92	6.28	7.85	8
2013/11/09	ME	MW1	18:24:19	M	11.0	335.5	0.53	25.14	31.33	85.73	5.91	6.24	7.85	8
2013/11/09	ME	MW1	18:25:07	T	1.1	259.2	0.15	25.12	31.22	86.40	5.97	5.50	7.85	5
2013/11/09	ME	THB1	17:01:17	B	3.0	129.5	0.10	25.31	30.34	95.90	6.63	6.89	7.90	8
2013/11/09	ME	THB1	17:02:09	T	1.0	80.5	0.43	25.32	30.35	95.95	6.64	7.20	7.90	8
2013/11/09	ME	THB1	17:03:06	B	3.1	324.1	0.58	25.32	30.35	95.59	6.61	7.35	7.90	9
2013/11/09	ME	THB1	17:04:19	T	1.1	147.8	0.55	25.31	30.35	95.75	6.62	7.50	7.90	9
2013/11/09	ME	THB1	17:05:11	B	3.2	252.8	0.03	25.31	30.34	95.76	6.62	6.88	7.90	8
2013/11/09	ME	THB1	17:06:07	T	1.0	23.6	0.55	25.30	30.33	95.92	6.64	6.51	7.90	9
2013/11/09	ME	THB2	17:08:37	M	1.4	40.0	0.03	25.81	30.76	94.92	6.49	7.15	7.75	6
2013/11/09	ME	THB2	17:09:34	M	1.4	40.0	0.03	25.83	30.76	96.05	6.57	7.15	7.77	7
2013/11/09	ME	THB2	17:10:25	M	1.4	40.0	0.03	25.91	30.72	97.58	6.67	7.55	7.80	8
2013/11/09	ME	WSR45C	17:38:50	B	11.9	224.9	0.26	25.15	30.96	86.62	5.99	10.21	7.87	12
2013/11/09	ME	WSR45C	17:39:52	M	7.0	140.4	0.86	25.18	30.88	86.77	6.00	6.50	7.87	9
2013/11/09	ME	WSR45C	17:40:46	T	1.1	289.1	0.37	25.16	30.50	89.28	6.19	5.69	7.87	8
2013/11/09	ME	WSR45C	17:41:54	B	12.0	315.0	0.15	25.15	30.95	85.65	5.92	9.11	7.86	11
2013/11/09	ME	WSR45C	17:42:39	M	7.1	68.5	0.22	25.19	30.81	86.39	5.97	5.91	7.86	8
2013/11/09	ME	WSR45C	17:43:39	T	1.1	72.6	0.16	25.13	30.39	89.96	6.24	6.01	7.87	9
2013/11/09	ME	WSR45C	17:44:32	B	11.8	92.9	0.35	25.15	30.94	86.11	5.95	8.11	7.86	11
2013/11/09	ME	WSR45C	17:45:18	M	7.1	92.4	1.55	25.19	30.79	86.31	5.97	5.93	7.86	9
2013/11/09	ME	WSR45C	17:46:11	T	0.9	321.7	0.51	25.14	30.42	89.75	6.22	5.80	7.87	9
2013/11/09	ME	WSR46	16:31:52	B	9.0	241.2	0.51	25.08	30.25	90.97	6.32	24.84	7.86	30
2013/11/09	ME	WSR46	16:32:40	M	5.4	140.4	0.65	25.10	30.26	91.30	6.34	11.28	7.87	14
2013/11/09	ME	WSR46	16:33:33	T	1.0	64.2	0.17	25.10	30.25	91.40	6.35	10.44	7.88	13
2013/11/09	ME	WSR46	16:34:32	B	8.9	91.7	0.44	25.09	30.26	90.93	6.32	24.15	7.87	32
2013/11/09	ME	WSR46	16:35:19	M	5.4	195.3	0.33	25.10	30.27	91.09				