

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)
2013/11/13	MF	DS1	14:47:13	B	2.1	335.6	0.78	24.23	30.18	93.85	6.62	6.19	7.72	8
2013/11/13	MF	DS1	14:48:14	T	1.0	214.7	0.42	24.25	29.95	94.13	6.65	5.33	7.79	7
2013/11/13	MF	DS1	14:49:11	B	2.0	217.1	0.80	24.25	30.02	94.13	6.64	5.70	7.81	8
2013/11/13	MF	DS1	14:50:12	T	1.1	208.6	1.01	24.25	29.94	94.05	6.64	5.05	7.82	8
2013/11/13	MF	DS1	14:51:11	B	2.0	324.1	0.25	24.25	30.11	93.76	6.61	5.74	7.83	8
2013/11/13	MF	DS1	14:52:12	T	1.0	330.7	0.43	24.25	29.96	94.12	6.65	5.00	7.83	6
2013/11/13	MF	DS2	14:53:12	B	1.9	194.2	0.21	24.07	30.42	94.65	6.69	8.52	7.85	7
2013/11/13	MF	DS2	15:00:11	T	0.9	278.5	1.19	24.11	30.22	94.72	6.69	5.38	7.85	8
2013/11/13	MF	DS2	15:01:11	B	1.9	13.7	0.58	24.08	30.27	94.56	6.68	5.68	7.85	8
2013/11/13	MF	DS2	15:02:14	T	1.0	257.6	0.48	24.08	30.21	95.03	6.72	4.85	7.85	9
2013/11/13	MF	DS2	15:03:13	B	1.9	5.2	0.80	24.03	30.31	94.62	6.69	5.31	7.86	9
2013/11/13	MF	DS2	15:04:11	T	1.0	245.5	0.08	24.11	30.14	94.82	6.70	4.84	7.85	8
2013/11/13	MF	DS3	15:11:37	B	1.9	220.6	0.52	24.09	30.58	93.30	6.58	15.41	7.86	23
2013/11/13	MF	DS3	15:12:26	T	0.8	255.2	0.57	24.04	30.47	93.74	6.62	11.32	7.86	19
2013/11/13	MF	DS3	15:13:21	B	2.0	324.3	0.56	24.10	30.59	92.83	6.55	17.30	7.86	25
2013/11/13	MF	DS3	15:14:13	T	1.1	103.9	0.23	24.10	30.56	92.98	6.56	14.62	7.86	21
2013/11/13	MF	DS3	15:15:13	B	2.1	312.2	0.35	24.12	30.60	92.49	6.52	16.92	7.86	23
2013/11/13	MF	DS3	15:16:12	T	1.0	119.3	1.76	24.06	30.51	92.61	6.54	12.16	7.86	20
2013/11/13	MF	DS4	15:24:14	B	2.0	309.8	0.40	24.07	30.55	93.39	6.59	11.47	7.87	17
2013/11/13	MF	DS4	15:25:13	T	1.0	330.1	0.77	24.07	30.55	93.30	6.59	12.54	7.87	15
2013/11/13	MF	DS4	15:26:12	B	2.0	13.2	0.31	24.07	30.55	93.09	6.57	10.57	7.87	18
2013/11/13	MF	DS4	15:27:12	T	1.0	101.4	0.24	24.06	30.53	93.25	6.58	8.52	7.87	15
2013/11/13	MF	DS4	15:28:12	B	1.9	171.6	0.62	24.05	30.53	93.12	6.58	9.31	7.87	17
2013/11/13	MF	DS4	15:29:12	T	1.1	306.3	0.64	24.05	30.52	93.24	6.58	9.17	7.87	15
2013/11/13	MF	DS5	15:45:11	B	4.1	101.6	0.46	24.07	30.50	92.91	6.56	25.18	7.88	32
2013/11/13	MF	DS5	15:46:11	M	3.0	31.4	0.15	24.07	30.49	92.67	6.54	20.51	7.88	28
2013/11/13	MF	DS5	15:47:11	T	1.0	187.3	0.99	24.07	30.50	92.33	6.52	23.18	7.88	24
2013/11/13	MF	DS5	15:48:11	B	3.9	257.9	0.01	24.07	30.50	92.39	6.52	22.40	7.88	32
2013/11/13	MF	DS5	15:49:11	M	2.9	119.6	0.82	24.08	30.50	92.16	6.51	22.59	7.88	28
2013/11/13	MF	DS5	15:50:10	T	1.0	128.4	0.61	24.08	30.51	92.42	6.52	17.81	7.88	23
2013/11/13	MF	DS5	15:51:23	B	4.0	273.0	0.21	24.07	30.50	92.26	6.51	21.19	7.88	34
2013/11/13	MF	DS5	15:52:11	M	3.0	303.0	0.70	24.07	30.50	92.28	6.52	25.07	7.88	30
2013/11/13	MF	DS5	15:53:11	T	1.0	263.5	0.47	24.07	30.49	92.65	6.54	15.61	7.88	22
2013/11/13	MF	US1	16:11:36	B	3.0	115.6	0.63	24.36	29.83	91.69	6.47	5.79	7.87	9
2013/11/13	MF	US1	16:12:34	T	1.1	210.5	0.77	24.36	29.80	92.25	6.51	4.95	7.87	5
2013/11/13	MF	US1	16:13:22	B	2.8	242.2	0.38	24.37	29.83	91.90	6.48	7.42	7.87	10
2013/11/13	MF	US1	16:14:12	T	1.1	182.0	0.50	24.35	29.76	92.07	6.50	4.72	7.87	7
2013/11/13	MF	US1	16:15:11	B	3.0	70.0	1.02	24.37	29.84	91.53	6.45	6.03	7.87	11
2013/11/13	MF	US1	16:16:11	T	1.1	219.2	0.15	24.34	29.76	91.87	6.48	4.81	7.87	7
2013/11/13	MF	US2	16:23:12	B	3.1	152.3	0.20	24.44	30.57	90.84	6.37	9.59	7.88	11
2013/11/13	MF	US2	16:24:12	T	0.9	224.6	0.44	24.29	29.79	91.86	6.49	4.88	7.87	8
2013/11/13	MF	US2	16:25:13	B	2.9	245.2	0.01	24.45	30.57	89.95	6.31	8.51	7.88	11
2013/11/13	MF	US2	16:26:10	T	1.0	266.0	0.16	24.43	30.36	90.56	6.36	7.65	7.88	7
2013/11/13	MF	US2	16:27:12	B	3.0	175.9	0.08	24.46	30.63	89.72	6.29	10.24	7.88	12
2013/11/13	MF	US2	16:28:10	T	1.1	55.8	0.70	24.41	30.19	90.72	6.38	6.19	7.88	7
2013/11/13	MF	MW1	16:35:18	B	18.6	333.3	0.73	24.60	31.05	87.27	6.09	7.08	7.95	12
2013/11/13	MF	MW1	16:36:14	M	10.6	181.6	0.11	24.60	31.02	87.58	6.11	7.48	7.93	7
2013/11/13	MF	MW1	16:37:07	T	0.9	327.2	0.63	24.58	31.06	88.09	6.14	5.78	7.93	7
2013/11/13	MF	MW1	16:38:09	B	19.0	246.0	0.26	24.60	31.02	86.88	6.06	7.38	7.92	13
2013/11/13	MF	MW1	16:39:23	M	10.5	83.0	0.50	24.59	31.06	87.30	6.09	7.38	7.92	8
2013/11/13	MF	MW1	16:40:15	T	1.0	327.2	0.63	24.58	31.10	87.81	6.12	6.48	7.92	7
2013/11/13	MF	MW1	16:41:17	B	18.9	196.2	0.49	24.59	31.12	86.71	6.05	7.28	7.92	11
2013/11/13	MF	MW1	16:42:24	M	10.6	332.3	0.09	24.58	31.11	87.32	6.09	6.98	7.92	7
2013/11/13	MF	MW1	16:43:14	T	1.0	135.0	0.78	24.57	31.13	87.94	6.13	6.68	7.92	8
2013/11/13	MF	THB1	15:12:26	B	3.1	254.2	0.59	24.18	29.51	92.54	6.56	9.48	7.96	11
2013/11/13	MF	THB1	15:13:17	T	1.1	270.7	0.53	24.28	29.23	93.45	6.62	6.08	7.96	9
2013/11/13	MF	THB1	15:14:06	B	3.0	133.5	0.06	24.20	29.48	91.65	6.49	9.08	7.96	13
2013/11/13	MF	THB1	15:15:12	T	1.0	251.9	0.41	24.26	29.18	93.37	6.62	5.78	7.96	10
2013/11/13	MF	THB1	15:16:16	B	2.9	206.8	0.55	24.24	29.40	92.37	6.54	7.38	7.95	11
2013/11/13	MF	THB1	15:17:10	T	1.1	160.7	0.25	24.27	29.23	93.28	6.61	5.88	7.95	9
2013/11/13	MF	THB2	15:22:30	M	1.3	40.0	0.03	24.33	30.86	94.43	6.62	8.75	7.74	8
2013/11/13	MF	THB2	15:23:22	M	1.3	40.0	0.03	24.33	30.90	95.27	6.68	8.65	7.76	10
2013/11/13	MF	THB2	15:24:18	M	1.3	40.0	0.03	24.33	30.89	94.14	6.60	9.05	7.76	10
2013/11/13	MF	WSR45C	15:53:05	B	12.1	304.7	0.60	24.49	30.67	91.17	6.38	14.18	7.97	14
2013/11/13	MF	WSR45C	15:54:14	M	6.9	280.6	0.35	24.46	30.54	91.38	6.41	9.88	7.96	14
2013/11/13	MF	WSR45C	15:55:14	T	1.0	312.3	0.27	24.04	29.31	94.51	6.72	5.58	7.95	9
2013/11/13	MF	WSR45C	15:56:07	B	12.0	211.8	0.72	24.49	30.61	90.69	6.35	13.08	7.96	16
2013/11/13	MF	WSR45C	15:57:09	M	7.0	236.0	0.66	24.47	30.54	90.90	6.37	9.68	7.95	13
2013/11/13	MF	WSR45C	15:58:08	T	1.1	312.3	0.27	24.11	29.41	93.93	6.67	5.98	7.94	9
2013/11/13	MF	WSR45C	15:59:08	B	12.1	18.2	0.27	24.49	30.62	90.51	6.34	10.98	7.95	15
2013/11/13	MF	WSR45C	16:00:08	M	7.0	185.7	0.38	24.47	30.56	90.82	6.37	9.98	7.95	14
2013/11/13	MF	WSR45C	16:01:09	T	1.1	312.3	0.27	24.28	30.04	93.25	6.58	5.58	7.95	9
2013/11/13	MF	WSR46	14:43:52	B	8.8	313.4	0.54	24.63	30.08	89.39	6.27	28.40	7.98	28
2013/11/13	MF	WSR46	14:44:43	M	5.3	250.3	0.22	24.59	29.80	90.10	6.33	9.58	7.97	9
2013/11/13	MF	WSR46	14:45:37	T	0.9	316.7	1.08	24.46	28.68	92.61	6.56	4.77	7.95	9
2013/11/13	MF	WSR46	14:46:36	B	8.9	275.9	0.67	24.64	30.26	88.91	6.22	23.29	7.96	28
2013/11/13	MF	WSR46	14:47:24	M	5.7	334.7	0.43	24.61	30.16	89.42	6.27	11.38	7.95	9
2013/11/13	MF	WSR46	14:48:09	T	1.1	320.6	0.27	24.43	28.67	92.54	6.56	4.67	7.94	9
2013/11/13	MF	WSR46	14:49:11	B	9.0	164.6	0.22	24.64	30.31	88.73	6.21	23.79	7.95	28
2013/11/13	MF	WSR46	14:50:09	M	5.4	339.7	0.52	24.58	29.97	90.05	6.32	7.68	7.94	9
2013/11/13	MF	WSR46	14:51:12	T	1.0	316.7	1.08	24.41	28.74	92.86	6.58	4.37	7.93	8

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)
2013/11/13	ME	DS1	8:27:33	B	2.8	86.8	0.95	24.46	30.92	89.46	6.26	4.72	7.78	9
2013/11/13	ME	DS1	8:28:32	T	1.0	324.4	1.93	24.48	30.93	89.76	6.28	4.60	7.83	7
2013/11/13	ME	DS1	8:29:26	B	3.0	56.7	0.19	24.48	30.94	89.99	6.29	4.99	7.85	9
2013/11/13	ME	DS1	8:30:17	T	1.0	59.4	0.98	24.47	30.94	90.20	6.31	4.60	7.86	7
2013/11/13	ME	DS1	8:31:13	B	2.9	269.2	0.55	24.47	30.94	90.23	6.31	4.77	7.86	7
2013/11/13	ME	DS1	8:32:13	T	1.0	324.2	0.29	24.47	30.95	90.25	6.31	4.60	7.87	6
2013/11/13	ME	DS2	8:33:00	B	4.0	68.4	0.70	24.47	30.95	90.65	6.34	5.92	7.89	6
2013/11/13	ME	DS2	8:40:08	M	3.0	336.4	0.55	24.47	30.96	90.35	6.32	5.79	7.89	8
2013/11/13	ME	DS2	8:41:10	T	1.1	31.5	0.56	24.47	30.97	90.24	6.31	5.34	7.89	7
2013/11/13	ME	DS2	8:42:08	B	4.0	101.3	0.66	24.48	30.97	90.20	6.31	5.39	7.89	6
2013/11/13	ME	DS2	8:43:09	M	3.0	176.3	0.50	24.46	30.96	90.35	6.32	4.82	7.89	7
2013/11/13	ME	DS2	8:44:09	T	1.0	40.8	0.88	24.45	30.96	90.46	6.33	4.70	7.89	8
2013/11/13	ME	DS2	8:45:09	B	4.1	357.8	0.36	24.48	30.97	90.10	6.30	5.78	7.89	7
2013/11/13	ME	DS2	8:46:09	M	3.1	29.3	0.30	24.47	30.97	90.34	6.32	5.44	7.89	6
2013/11/13	ME	DS2	8:47:09	T	1.1	223.0	0.64	24.45	30.96	90.53	6.33	4.75	7.89	6
2013/11/13	ME	DS3	8:55:10	B	6.1	357.0	0.13	24.47	31.01	90.09	6.30	6.90	7.90	8
2013/11/13	ME	DS3	8:56:10	M	4.1	98.1	0.49	24.46	30.99	90.02	6.30	6.05	7.90	8
2013/11/13	ME	DS3	8:57:10	T	1.1	157.7	0.32	24.44	30.99	90.34	6.32	5.60	7.89	7
2013/11/13	ME	DS3	8:58:08	B	5.9	88.0	0.53	24.47	31.00	89.92	6.29	6.79	7.90	9
2013/11/13	ME	DS3	8:59:10	M	4.1	155.4	0.35	24.46	30.99	90.12	6.30	6.25	7.90	6
2013/11/13	ME	DS3	9:00:09	T	1.2	113.0	0.49	24.47	30.99	90.19	6.31	6.08	7.90	6
2013/11/13	ME	DS3	9:01:11	B	5.8	40.3	0.48	24.48	31.00	89.82	6.28	7.75	7.90	9
2013/11/13	ME	DS3	9:02:09	M	4.0	46.5	0.13	24.48	31.00	89.68	6.27	7.56	7.90	7
2013/11/13	ME	DS3	9:03:09	T	1.0	199.8	0.11	24.47	31.00	90.08	6.30	6.42	7.90	7
2013/11/13	ME	DS4	9:04:45	B	5.0	84.2	0.21	24.50	31.05	89.92	6.28	6.90	7.91	8
2013/11/13	ME	DS4	9:10:38	M	3.5	72.1	0.51	24.47	31.04	90.09	6.30	6.04	7.91	8
2013/11/13	ME	DS4	9:11:34	T	1.1	51.2	0.64	24.47	31.04	90.03	6.29	5.90	7.91	7
2013/11/13	ME	DS4	9:12:30	B	5.0	33.7	0.41	24.50	31.05	89.61	6.26	6.88	7.91	9
2013/11/13	ME	DS4	9:13:27	M	3.6	295.9	0.23	24.46	31.04	89.82	6.28	5.99	7.91	8
2013/11/13	ME	DS4	9:14:28	T	1.1	148.7	0.11	24.46	31.04	89.92	6.29	5.75	7.91	5
2013/11/13	ME	DS4	9:15:26	B	4.9	216.5	0.31	24.51	31.06	89.34	6.24	7.67	7.91	8
2013/11/13	ME	DS4	9:16:22	M	3.6	229.8	0.75	24.48	31.04	89.93	6.28	6.21	7.91	8
2013/11/13	ME	DS4	9:17:14	T	1.2	271.1	0.11	24.47	31.04	89.97	6.29	5.95	7.91	6
2013/11/13	ME	DS5	9:24:18	B	6.0	288.5	0.46	24.62	31.22	88.21	6.14	7.84	7.90	11
2013/11/13	ME	DS5	9:25:19	M	4.0	11.5	0.84	24.45	31.02	90.13	6.30	5.26	7.91	6
2013/11/13	ME	DS5	9:26:13	T	1.1	145.0	0.08	24.41	31.00	90.42	6.33	4.95	7.91	9
2013/11/13	ME	DS5	9:27:14	B	6.0	103.4	0.42	24.59	31.19	88.25	6.15	7.77	7.91	9
2013/11/13	ME	DS5	9:28:20	M	3.9	345.4	0.25	24.43	31.00	90.19	6.31	4.98	7.91	6
2013/11/13	ME	DS5	9:29:12	T	0.9	265.2	0.66	24.40	31.00	90.42	6.33	4.93	7.91	8
2013/11/13	ME	DS5	9:30:13	B	5.8	73.0	0.65	24.59	31.17	88.47	6.17	7.78	7.91	8
2013/11/13	ME	DS5	9:31:12	M	4.0	32.4	0.91	24.41	31.00	90.16	6.31	4.89	7.91	8
2013/11/13	ME	DS5	9:32:12	T	1.1	197.2	0.34	24.40	31.00	90.34	6.32	4.86	7.91	10
2013/11/13	ME	US1	9:51:24	B	2.0	334.6	0.50	24.15	30.64	91.80	6.47	6.85	7.92	9
2013/11/13	ME	US1	9:52:31	T	1.0	197.1	0.46	24.12	30.63	92.02	6.49	7.25	7.92	7
2013/11/13	ME	US1	9:53:23	B	2.0	172.6	0.51	24.16	30.65	91.78	6.46	7.27	7.92	9
2013/11/13	ME	US1	9:54:24	T	0.9	63.7	0.42	24.09	30.61	92.22	6.50	6.43	7.92	7
2013/11/13	ME	US1	9:55:42	B	2.0	191.3	0.27	24.22	30.70	91.27	6.42	7.53	7.92	8
2013/11/13	ME	US1	9:56:41	T	1.0	103.3	0.41	24.11	30.62	92.34	6.51	5.98	7.92	6
2013/11/13	ME	US2	10:02:48	B	2.0	65.5	0.53	24.21	30.63	92.45	6.51	11.97	7.92	19
2013/11/13	ME	US2	10:03:34	T	1.1	157.1	0.45	24.15	30.57	92.98	6.55	9.01	7.92	14
2013/11/13	ME	US2	10:04:17	B	1.9	79.8	0.20	24.18	30.60	92.47	6.51	16.47	7.92	20
2013/11/13	ME	US2	10:05:16	T	1.1	293.8	1.11	24.18	30.58	92.77	6.53	9.74	7.92	15
2013/11/13	ME	US2	10:06:20	B	2.0	214.5	0.55	24.26	30.68	91.51	6.43	21.03	7.92	20
2013/11/13	ME	US2	10:07:13	T	0.9	16.8	0.66	24.18	30.60	92.45	6.51	12.52	7.92	14
2013/11/13	ME	MW1	8:19:57	B	19.1	15.5	1.77	24.68	31.02	84.09	5.86	5.68	7.91	7
2013/11/13	ME	MW1	8:21:00	M	10.5	97.2	0.16	24.67	30.98	84.79	5.91	4.57	7.92	6
2013/11/13	ME	MW1	8:22:10	T	1.1	124.6	1.22	24.63	30.98	85.29	5.94	4.17	7.91	7
2013/11/13	ME	MW1	8:24:24	B	18.8	12.5	0.53	24.75	31.01	84.28	5.86	5.18	7.90	8
2013/11/13	ME	MW1	8:26:30	M	10.5	107.3	0.69	24.74	30.98	84.48	5.88	4.67	7.80	8
2013/11/13	ME	MW1	8:28:29	T	0.9	9.5	0.04	24.73	30.97	85.18	5.93	4.27	7.80	5
2013/11/13	ME	MW1	8:28:56	B	18.9	70.4	0.15	24.74	30.99	84.18	5.86	5.18	7.79	7
2013/11/13	ME	MW1	8:29:49	M	10.5	66.6	0.51	24.74	30.97	84.48	5.88	4.67	7.78	6
2013/11/13	ME	MW1	8:30:47	T	0.9	114.3	0.69	24.74	30.91	85.18	5.93	4.07	7.79	7
2013/11/13	ME	THB1	9:36:08	B	2.9	186.8	0.18	24.44	30.19	88.34	6.21	9.98	7.90	10
2013/11/13	ME	THB1	9:37:37	T	1.0	80.4	0.48	24.09	29.75	90.84	6.44	5.68	7.92	10
2013/11/13	ME	THB1	9:38:46	B	3.0	103.8	0.37	24.40	30.16	89.44	6.29	9.58	7.91	10
2013/11/13	ME	THB1	9:39:49	T	1.1	80.4	0.48	24.14	29.86	90.54	6.41	5.98	7.92	8
2013/11/13	ME	THB1	9:40:57	B	3.2	19.8	0.25	24.35	30.06	89.64	6.31	8.58	7.91	9
2013/11/13	ME	THB1	9:41:50	T	1.4	68.6	0.56	24.09	29.82	90.44	6.41	5.68	7.92	9
2013/11/13	ME	THB2	9:46:50	M	1.3	40.0	0.03	24.32	30.92	85.83	6.02	9.95	7.71	8
2013/11/13	ME	THB2	9:47:57	M	1.3	40.0	0.03	24.30	30.91	85.62	6.01	11.25	7.72	10
2013/11/13	ME	THB2	9:48:52	M	1.3	40.0	0.03	24.31	30.92	85.12	5.97	11.15	7.72	9
2013/11/13	ME	WSR45C	9:04:31	B	12.1	130.1	0.63	24.81	30.80	86.46	6.02	7.18	7.84	10
2013/11/13	ME	WSR45C	9:05:16	M	6.9	107.9	0.78	24.89	30.69	87.28	6.09	5.48	7.84	7
2013/11/13	ME	WSR45C	9:06:08	T	1.0	112.0	0.32	24.47	30.46	89.16	6.25	4.67	7.85	6
2013/11/13	ME	WSR45C	9:07:23	B	12.0	332.1	0.11	24.79	30.69	85.86	5.98	6.68	7.85	11
2013/11/13	ME	WSR45C	9:08:29	M	6.9	107.9	0.54	24.69	30.62	86.86	6.06	4.97	7.85	7
2013/11/13	ME	WSR45C	9:09:21	T	1.0	298.7	0.62	24.45	30.45	88.86	6.23	4.57	7.86	6
2013/11/13	ME	WSR45C	9:10:19	B	12.1	273.9	0.42	24.80	30.76	85.16	5.93	7.08	7.84	10
2013/11/13	ME	WSR45C	9:11:29	M	6.9	13.2	0.50	24.54	30.53	87.36	6.12	4.77	7.85	6
2013/11/13	ME	WSR45C	9:12:27	T	1.0	298.7	0.62	24.48	30.50	88.66	6.21	4.47	7.86	7
2013/11/13	ME	WSR46	10:17:56	B	8.8	38.1	0.59	24.59	30.29	90.82	6.36	8.08	7.96	9
2013/11/13	ME	WSR46	10:18:37	M	5.5	37.5	0.59	24.53	29.67	90.12	6.34	4.97	7.95	6
2013/11/13	ME	WSR46	10:19:22	T	1.0	156.2	1.08	24.53	28.73	90.92	6.43	4.37	7.93	6
2013/11/13	ME	WSR46	10:20:32	B	9.1	100.5	0.60	24.59	30.28	88.22	6.18	9.68	7.96	8
2013/11/13	ME	WSR46	10:21:25	M	5.5	169.1	0.71	24.56	29.91	89.52	6.29	4.97	7.95	7
2013/11/13	ME	WSR46	10:22:20	T	1.1									