

# White Water Wash Meteorological Data

February 2011

Validation Level: B

Prepared By: T&B Systems

Variable: Scalar Wind Speed  
Units: mph  
Channel: 9

Site: White Water Wash (data subject to change)  
Month: February  
Year: 2011  
Time Zone: PST

Validation Level: B  
Printout Date: 03-10-2011  
Printout Time: 13:51:16  
Output File Name: WWWB0211.9

Day	Hour Ending																								Min	Max	Avg
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	17.4	15.9	10.3	12.1	11.3	10.6	9.1	8.0	11.8	12.4	3.8	4.9	3.9	5.6	5.4	13.6	12.8	16.9	6.9	8.7	11.1	10.3	7.5	9.6	3.8	17.4	10.0
2	7.6	4.6	2.8	5.0	6.5	6.3	4.6	3.6	8.1	9.0	7.4	7.6	9.4	14.9	6.2	11.5	11.1	8.1	5.3	4.7	3.9	2.3	3.6	2.8	2.3	14.9	6.5
3	5.1	6.3	7.0	7.2	7.0	6.3	6.2	6.0	1.9	5.1	8.5	7.3	5.5	4.2	4.6	6.6	3.6	3.5	2.1	5.7	6.0	6.2	7.4	6.8	1.9	8.5	5.7
4	7.1	7.8	8.0	7.3	6.4	5.5	6.9	6.7	2.9	3.6	6.0	5.9	6.0	6.0	5.5	4.5	5.3	3.6	4.2	4.4	5.9	6.1	5.7	6.1	2.9	8.0	5.7
5	7.5	2.7	3.4	5.2	5.4	5.1	2.8	4.0	4.0	3.8	5.9	6.1	5.7	4.1	5.2	5.9	4.0	3.4	3.4	4.1	5.4	4.3	4.3	7.0	2.7	7.5	4.7
6	5.5	3.5	3.1	5.0	7.5	5.4	6.5	11.8	3.7	13.4	12.3	12.0	11.2	10.4	7.0	7.8	5.3	2.6	3.9	5.4	3.6	3.2	6.7	7.9	2.6	13.4	6.9
7	8.8	8.8	8.5	4.4	6.6	8.4	8.0	5.2	3.4	2.5	1.7	4.0	4.9	7.3	7.2	8.6	9.8	10.2	6.2	4.9	4.1	3.5	3.3	4.3	1.7	10.2	6.0
8	4.4	7.0	8.2	16.6	21.6	23.5	20.9	16.9	15.5	14.9	14.9	14.4	10.8	12.4	12.1	13.8	11.5	11.9	9.1	7.3	6.7	7.1	8.0	5.9	4.4	23.5	12.3
9	3.6	4.2	9.7	6.7	5.4	4.1	6.9	5.7	6.1	6.1	4.2	2.9	4.2	5.2	3.2	6.9	8.9	8.1	8.2	8.8	6.4	8.4	8.8	6.2	2.9	9.7	6.2
10	7.3	9.7	10.6	8.1	7.0	7.4	8.0	8.2	10.2	4.3	3.8	4.8	5.9	6.0	4.4	5.0	2.6	4.9	8.3	5.9	4.0	4.9	6.7	6.6	2.6	10.6	6.4
11	6.5	7.2	6.8	7.4	7.0	6.1	6.0	6.1	4.4	1.4	1.6	3.8	4.9	5.3	4.9	4.2	4.8	3.3	6.6	8.8	6.4	7.2	6.0	8.1	1.4	8.8	5.6
12	8.8	8.6	8.8	9.2	8.0	8.4	7.0	4.9	2.7	1.1	3.3	4.8	6.4	6.4	5.3	4.6	4.2	2.8	5.8	7.0	9.0	8.9	7.8	8.1	1.1	9.2	6.3
13	8.1	7.7	8.1	8.4	10.0	9.5	8.9	7.8	5.2	3.0	1.3	3.5	4.5	5.8	7.3	7.5	6.9	4.6	4.0	7.6	8.3	6.3	5.4	5.8	1.3	10.0	6.5
14	5.1	6.2	4.7	9.1	8.6	11.2	16.1	12.1	5.5	4.5	17.2	23.1	24.0	25.4	27.1	24.9	25.2	24.9	24.3	24.1	27.3	25.3	22.3	22.5	4.5	27.3	17.5
15	23.5	22.3	22.2	26.7	28.0	26.0	25.1	22.2	12.5	17.5	19.2	19.6	12.6	8.1	6.2	15.9	21.0	21.0	20.0	21.0	22.7	22.0	23.2	19.4	6.2	28.0	19.9
16	19.0	14.0	15.9	7.6	6.0	2.9	1.8	2.3	5.9	6.5	9.6	7.6	11.1	15.9	22.2	26.6	32.4	30.7	27.9	28.7	20.0	17.2	8.6	17.8	1.8	32.4	14.9
17	14.8	15.4	16.8	16.9	17.4	19.4	16.5	16.6	13.8	8.1	5.5	5.4	4.3	3.7	3.8	11.4	13.8	15.9	15.1	16.6	18.3	17.9	18.5	14.3	3.7	19.4	13.3
18	9.3	4.1	5.3	4.2	7.9	15.4	10.2	2.2	5.2	9.3	8.7	3.6	5.0	7.1	9.6	10.3	6.9	3.9	2.9	4.9	3.5	1.0	1.6	4.4	1.0	15.4	6.1
19	10.9	13.7	15.1	17.2	12.8	9.7	6.6	2.5	3.1	2.9	3.2	9.9	17.3	10.7	11.6	5.7	8.6	5.2	6.4	6.9	10.3	6.6	3.9	3.2	2.5	17.3	8.5
20	4.9	3.3	6.1	8.5	11.7	5.4	6.1	1.8	5.5	12.4	17.7	16.3	18.0	17.7	18.4	15.8	15.6	13.8	13.3	11.1	12.6	10.7	7.2	7.7	1.8	18.4	10.9
21	4.9	5.9	10.7	9.0	7.8	8.2	8.5	6.8	5.1	6.3	3.1	2.7	4.3	3.6	4.5	6.5	7.6	6.1	5.2	5.9	7.8	7.2	7.5	7.3	2.7	10.7	6.4
22	7.8	6.7	9.7	11.9	11.2	8.0	8.6	5.9	8.4	6.0	1.8	3.4	6.7	4.6	3.1	2.0	1.5	0.9	3.6	3.4	6.6	8.5	7.6	8.5	0.9	11.9	6.1
23	14.6	15.1	14.6	15.4	13.8	16.7	16.2	14.8	16.8	22.8	24.4	23.7	21.5	18.4	21.1	22.2	19.0	17.9	16.5	20.9	19.9	18.4	18.6	12.7	12.7	24.4	18.2
24	11.0	9.7	10.1	10.8	10.8	9.1	16.6	19.0	19.0	25.2	29.6	27.0	21.4	19.5	12.0	8.8	6.1	16.9	21.0	20.7	22.8	25.3	25.2	25.8	6.1	29.6	17.6
25	27.3	24.4	22.4	21.1	11.6	7.2	9.2	3.5	5.9	12.5	6.6	12.9	15.9	11.8	17.6	20.9	20.6	20.7	17.8	13.5	6.5	6.0	5.5	3.8	3.5	27.3	13.5
26	3.5	2.1	2.0	2.7	18.7	21.8	17.1	10.4	5.9	6.5	7.8	6.4	16.8	19.2	14.4	16.4	7.7	5.4	20.6	20.0	18.9	18.8	19.9	17.4	2.0	21.8	12.5
27	10.2	9.7	13.1	15.8	16.7	12.3	12.4	9.2	11.2	14.6	17.6	12.2	6.4	3.2	3.2	2.2	1.4	3.0	2.7	1.6	5.5	5.4	7.2	6.2	1.4	17.6	8.4
28	7.1	7.2	5.2	6.7	6.8	7.3	7.4	6.5	4.2	1.5	2.7	3.5	6.0	4.7	3.8	2.5	2.6	0.1	4.0	5.8	8.1	7.6	6.8	5.3	0.1	8.1	5.1
Min	3.5	2.1	2.0	2.7	5.4	2.9	1.8	1.8	1.9	1.1	1.3	2.7	3.9	3.2	3.1	2.0	1.4	0.1	2.1	1.6	3.5	1.0	1.6	2.8	0.1		
Max	27.3	24.4	22.4	26.7	28.0	26.0	25.1	22.2	19.0	25.2	29.6	27.0	24.0	25.4	27.1	26.6	32.4	30.7	27.9	28.7	27.3	25.3	25.2	25.8		32.4	
Avg	9.7	9.1	9.6	10.2	10.7	10.3	10.0	8.2	7.4	8.5	8.9	9.3	9.8	9.5	9.2	10.5	10.0	9.6	9.8	10.3	10.4	9.9	9.5	9.3			9.6

Total Data Records Possible: 672  
Total Valid Data Records: 672  
Percent Data Recovery: 100.0

#### Missing Data Codes

-----  
-910 No data collected - system not set up  
-920 Instrument Malfunction  
-930 Data Logger Malfunction  
-940 Calibration  
-950 Audit  
-960 Maintenance  
-970 Data invalid - Does not meet consistency or an obvious problem  
-971 Local Interference  
-980 Power failure  
-990 Reserved for future descriptor

Processed using: TABLE.EXE version 1.2

Variable: Unit Vector Wind Direction  
 Units: degrees  
 Channel: 10

Site: White Water Wash (data subject to change)  
 Month: February  
 Year: 2011  
 Time Zone: PST

Validation Level: B  
 Printout Date: 03-10-2011  
 Printout Time: 13:51:17  
 Output File Name: WWB0211.10

Day	Hour Ending																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	304	302	303	314	320	337	319	340	334	274	201	161	217	192	182	36	28	19	6	346	4	353	312	9	[NW ]
2	359	322	85	86	128	136	151	99	134	149	130	101	89	56	65	47	43	48	182	156	114	68	11	191	[ E ]
3	237	336	338	342	338	328	336	324	306	147	113	133	126	138	135	122	140	130	79	353	335	340	339	345	[NNW]
4	327	333	349	336	348	342	335	333	326	136	141	149	143	152	131	131	122	123	30	357	337	330	337	346	[NNW]
5	320	327	353	338	334	340	24	309	346	127	129	131	144	154	142	137	124	134	45	2	320	332	266	341	[NNW]
6	337	259	202	151	115	177	259	352	334	21	12	34	50	71	78	151	145	101	266	280	308	282	352	339	[NNW]
7	336	348	338	337	334	339	347	311	319	301	234	151	141	134	138	136	132	134	174	187	328	340	297	254	[NNW]
8	301	315	314	292	335	324	305	307	319	348	359	15	22	35	38	27	22	21	357	302	312	336	307	319	[NW ]
9	351	357	338	356	15	10	354	350	15	341	356	313	198	214	249	270	35	24	299	309	322	329	318	307	[ N ]
10	314	295	300	322	344	351	328	317	349	354	191	187	94	50	124	55	100	357	8	328	345	324	344	354	[NNW]
11	337	331	342	344	343	338	342	332	315	294	184	232	229	209	178	178	148	213	353	325	332	328	322	346	[NNW]
12	337	340	353	342	334	330	330	317	309	294	158	146	142	139	129	121	117	132	354	343	334	352	331	336	[NNW]
13	351	323	340	343	340	351	346	321	334	331	257	131	140	157	127	125	132	132	345	2	15	332	320	354	[NNW]
14	344	341	261	272	271	277	288	277	198	169	291	301	301	298	302	302	304	305	299	299	302	297	301	305	[WNW]
15	302	309	317	310	312	309	306	304	273	290	291	301	301	243	207	307	308	313	311	311	311	306	302	299	[NW ]
16	295	281	295	265	232	357	65	137	131	151	125	72	68	341	316	311	305	304	310	310	307	303	294	297	[WNW]
17	299	297	312	307	306	313	304	310	298	273	240	320	65	339	220	306	307	304	308	308	306	306	305	307	[NW ]
18	292	264	316	304	310	302	279	210	326	303	291	179	155	157	153	141	84	354	323	306	285	339	293	261	[WNW]
19	124	121	117	114	115	354	286	225	259	220	174	288	304	309	311	320	299	106	249	320	327	351	313	313	[NW ]
20	221	286	298	263	306	287	322	141	290	302	303	300	301	300	300	303	299	304	307	300	308	316	326	348	[WNW]
21	344	333	330	350	358	359	351	338	328	315	344	355	104	90	111	124	126	128	118	324	334	292	314	347	[NNW]
22	354	355	333	335	311	339	347	339	304	308	310	120	121	137	111	193	42	346	316	39	329	297	316	351	[NNW]
23	313	312	312	315	318	311	311	303	289	301	301	303	308	312	304	300	305	303	303	304	305	305	296	281	[NW ]
24	290	294	283	312	281	298	302	299	297	300	301	302	307	308	298	312	334	300	302	304	302	297	297	301	[WNW]
25	302	300	298	302	273	261	272	244	199	296	288	290	303	305	304	301	310	311	311	305	5	351	282	121	[WNW]
26	219	17	197	232	317	304	308	303	288	330	324	348	320	315	324	321	287	108	326	310	310	313	319	316	[NW ]
27	281	308	301	307	301	300	320	277	291	295	301	301	300	237	322	85	192	91	359	146	330	342	354	341	[WNW]
28	345	358	325	348	334	333	355	332	317	248	177	152	135	142	111	121	0	3	332	330	345	346	329	326	[NNW]

Prev [NNW] [NNW] [NNW] [NNW] [NNW] [NNW] [NW ] [NW ] [NW ] [NW ] [WNW] [WNW] [WNW] [SE ] [SE ] [SE ] [SE ] [NW ] [SE ] [NW ] [NW ] [NNW] [NNW] [NW ] [NNW] [NW ]

Total Data Records Possible: 672  
 Total Valid Data Records: 672  
 Percent Data Recovery: 100.0

#### Missing Data Codes

- 910 No data collected - system not set up
- 920 Instrument Malfunction
- 930 Data Logger Malfunction
- 940 Calibration
- 950 Audit
- 960 Maintenance
- 970 Data invalid - Does not meet consistency or an obvious problem
- 971 Local Interference
- 980 Power failure
- 990 Reserved for future descriptor

Processed using: TABLE.EXE version 1.2

Validation Level: B  
Printout Date: 03-10-2011  
Printout Time: 13:51:17  
Output File Name: WWWB0211.10t

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Total Data Records Possible: 672
Total Valid Data Records: 672
Percent Data Recovery: 100.0
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```
-910 No data collected - system not set up
-920 Instrument Malfunction
-930 Data Logger Malfunction
-940 Calibration
-950 Audit
-960 Maintenance
-970 Data invalid - Does not meet consistency or an obvious problem
-971 Local Interference
-980 Power failure
-990 Reserved for future descriptor
```

3

Variable: Sigma Theta (Yamartino)  
Units: degrees  
Channel: 11

Site: White Water Wash (data subject to change)  
Month: February  
Year: 2011  
Time Zone: PST

Validation Level: B  
Printout Date: 03-10-2011  
Printout Time: 13:51:17  
Output File Name: WWWB0211.11

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Min	Max	Avg
1	7.7	8.8	11.2	8.1	8.8	11.6	13.1	19.8	11.7	14.1	30.1	24.7	51.1	22.7	33.9	12.1	11.5	11.1	16.8	9.2	10.0	17.6	22.4	10.8	7.7	51.1	16.6
2	14.3	25.2	73.1	35.2	12.4	14.1	35.8	63.2	18.5	15.4	22.4	33.8	51.1	13.0	34.6	20.9	9.4	8.3	14.9	25.1	38.5	49.1	41.3	28.4	8.3	73.1	29.1
3	12.9	11.8	12.4	11.7	12.6	13.2	10.7	14.0	23.1	22.6	13.6	17.4	26.5	36.4	28.7	17.2	14.2	6.2	48.8	13.4	10.1	8.5	6.8	10.3	6.2	48.8	16.8
4	8.6	5.0	6.0	8.6	9.8	14.7	7.1	10.0	54.5	34.5	17.4	18.8	17.2	20.1	20.9	19.8	11.8	10.7	30.4	19.5	12.9	14.7	8.4	11.8	5.0	54.5	16.4
5	12.8	53.4	11.5	13.1	12.4	26.9	32.0	39.6	45.8	41.9	15.9	16.6	15.3	19.1	18.2	14.0	45.7	24.6	45.0	38.7	42.0	60.6	60.2	37.6	11.5	60.6	31.0
6	42.6	44.5	52.4	41.7	46.7	26.6	59.6	10.9	64.4	17.5	17.7	16.9	17.1	23.7	30.5	17.3	26.2	45.1	36.8	42.7	42.1	35.8	10.4	18.3	10.4	64.4	32.8
7	8.5	9.4	7.0	9.5	9.6	3.7	5.8	11.0	6.0	17.8	47.3	27.6	29.1	18.6	16.6	14.5	10.4	15.5	38.6	41.4	33.4	41.6	55.9	60.3	3.7	60.3	22.5
8	69.8	51.9	61.6	18.5	16.6	9.6	9.9	13.4	14.3	12.3	13.6	14.3	23.0	13.6	17.9	13.2	12.1	10.9	25.7	12.8	14.5	14.6	11.8	25.6	9.6	69.8	20.9
9	31.0	32.2	14.5	15.0	18.4	44.8	33.9	34.6	37.5	20.9	25.9	70.7	50.2	34.3	41.3	22.7	23.9	14.4	9.1	9.2	21.8	9.6	17.5	16.8	9.1	70.7	27.1
10	16.6	13.3	7.7	13.2	17.2	10.1	12.1	10.1	11.7	35.4	47.3	60.3	46.6	30.0	61.8	50.9	47.2	29.4	6.7	26.3	29.1	16.0	10.5	9.6	6.7	61.8	25.8
11	10.0	8.1	9.6	12.5	15.7	16.1	12.0	10.7	9.2	19.9	26.8	22.0	30.9	28.1	20.7	25.6	11.3	35.3	9.8	5.2	14.6	7.8	11.8	5.7	5.2	35.3	15.8
12	5.7	4.5	5.6	4.6	10.0	6.0	7.8	7.8	6.7	23.8	21.1	22.9	23.5	16.9	26.5	17.4	10.5	31.7	8.1	7.3	4.0	8.1	7.4	4.6	4.0	31.7	12.2
13	4.2	6.6	5.7	6.6	5.7	7.6	5.4	10.2	9.1	15.4	47.1	28.3	27.2	20.0	16.9	12.9	9.7	5.3	35.7	9.2	6.8	12.8	16.3	8.6	4.2	47.1	13.9
14	20.3	28.9	20.8	16.9	23.9	13.1	9.9	17.1	24.8	39.3	13.7	9.9	9.3	8.7	8.4	9.1	8.9	8.8	11.1	9.8	8.0	9.8	9.9	9.4	8.0	39.3	14.6
15	8.2	10.1	10.6	9.2	8.0	9.6	8.6	8.9	21.6	13.9	16.2	9.5	25.1	32.1	44.4	13.3	9.9	10.1	10.7	9.7	9.9	9.2	10.4	11.3	8.0	44.4	13.8
16	12.4	21.0	11.9	35.7	30.5	36.4	42.9	32.5	21.3	15.0	10.9	38.6	38.3	58.5	33.2	14.8	12.1	9.4	13.3	12.1	17.5	19.9	17.5	17.5	9.4	58.5	23.9
17	18.5	16.1	14.4	11.6	13.4	9.6	12.9	10.8	12.0	24.3	38.5	36.4	50.3	36.8	44.8	15.7	11.9	8.0	9.0	8.5	8.6	8.5	7.6	7.7	7.6	50.3	18.2
18	12.4	46.0	17.7	24.4	16.1	8.4	16.6	32.1	18.3	11.4	23.8	62.2	29.7	23.9	14.2	12.0	28.8	14.2	18.7	8.1	11.5	32.2	46.8	57.3	8.1	62.2	24.4
19	32.7	10.2	9.1	9.1	10.4	22.0	19.4	23.8	47.0	26.5	49.9	18.5	10.8	22.2	16.3	22.9	23.1	33.0	36.3	17.0	9.7	10.2	27.8	53.5	9.1	53.5	23.4
20	8.9	31.5	37.8	28.9	42.2	18.0	42.4	56.2	35.0	17.6	10.5	9.8	9.3	9.5	8.9	9.3	8.3	9.3	8.9	10.7	8.6	8.5	7.4	8.2	7.4	56.2	18.6
21	9.1	6.3	10.0	10.1	6.5	7.3	7.2	6.9	12.0	11.2	28.6	40.5	32.8	34.8	25.7	20.0	13.2	8.1	6.8	15.6	12.6	10.7	14.6	12.9	6.3	40.5	15.1
22	9.7	9.0	10.9	8.1	7.4	12.8	9.1	12.5	8.1	18.7	44.7	53.7	20.1	32.9	65.2	41.6	24.4	27.7	18.0	42.7	17.4	10.6	9.7	12.2	7.4	65.2	22.0
23	8.5	8.2	7.8	7.7	8.1	8.5	10.7	11.3	10.6	8.9	8.5	8.8	10.8	15.9	13.8	12.9	12.9	9.4	11.4	8.9	9.8	9.8	12.2	23.8	7.7	23.8	10.8
24	27.5	22.9	35.3	40.4	37.0	23.7	13.6	13.7	15.2	8.7	8.6	9.1	11.1	14.8	24.8	18.7	42.3	15.9	11.0	11.3	9.2	9.1	9.7	10.1	8.6	42.3	18.5
25	10.4	10.6	12.1	12.4	25.9	37.0	32.5	64.1	50.5	26.9	32.0	34.6	23.5	26.7	19.0	12.5	13.8	9.6	13.2	11.5	32.3	44.6	25.4	20.7	9.6	64.1	25.1
26	39.7	44.8	7.3	27.4	12.6	8.0	8.6	12.7	13.6	29.3	27.0	29.7	19.3	10.6	13.6	12.3	23.4	38.3	12.1	8.6	10.4	13.1	9.0	9.5	7.3	44.8	18.4
27	19.0	22.0	12.3	8.8	9.6	10.6	14.5	36.7	20.9	12.7	10.5	15.7	33.1	55.8	42.0	45.8	24.7	9.2	28.2	17.9	30.6	9.6	6.6	17.6	6.6	55.8	21.4
28	7.2	13.3	8.3	5.2	5.5	5.3	7.2	5.1	9.2	29.0	48.5	49.3	19.1	28.0	33.9	43.9	12.6	0.4	11.3	17.9	6.6	5.8	5.2	6.7	0.4	49.3	16.0
Min	4.2	4.5	5.6	4.6	5.5	3.7	5.4	5.1	6.0	8.7	8.5	8.8	9.3	8.7	8.4	9.1	8.3	0.4	6.7	5.2	4.0	5.8	5.2	4.6	0.4		
Max	69.8	53.4	73.1	41.7	46.7	44.8	59.6	64.1	64.4	41.9	49.9	70.7	51.1	58.5	65.2	50.9	47.2	45.1	48.8	42.7	42.1	60.6	60.2	60.3		73.1	
Avg	17.5	20.6	18.0	16.2	16.2	15.5	17.9	21.4	22.6	20.9	25.6	28.6	26.8	25.3	27.7	20.1	18.4	16.4	19.5	16.8	17.2	18.2	17.9	18.8			20.2

Total Data Records Possible: 672  
Total Valid Data Records: 672  
Percent Data Recovery: 100.0

#### Missing Data Codes

-----  
-910 No data collected - system not set up  
-920 Instrument Malfunction  
-930 Data Logger Malfunction  
-940 Calibration  
-950 Audit  
-960 Maintenance  
-970 Data invalid - Does not meet consistency or an obvious problem  
-971 Local Interference  
-980 Power failure  
-990 Reserved for future descriptor

Processed using: TABLE.EXE version 1.2

Variable: Running 3-Second Gust  
Units: mph  
Channel: 17

Site: White Water Wash (data subject to change)  
Month: February  
Year: 2011  
Time Zone: PST

Validation Level: B  
Printout Date: 03-10-2011  
Printout Time: 13:51:20  
Output File Name: WWWB0211.17

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Min	Max	Avg
1	26.3	26.0	19.1	19.7	21.5	15.9	16.3	15.3	20.7	23.7	7.8	10.9	12.6	12.4	17.3	24.9	23.6	31.5	20.0	15.1	17.0	20.2	16.1	19.1	7.8	31.5	18.9
2	15.5	10.5	10.3	14.3	10.5	12.6	11.3	11.2	14.2	14.4	16.1	25.1	24.5	29.1	15.0	24.6	18.4	15.5	9.4	8.2	10.6	5.8	9.8	6.6	5.8	29.1	14.3
3	8.2	11.2	10.2	10.2	9.9	9.3	9.6	8.4	6.1	12.3	13.4	11.9	11.4	10.3	10.3	10.7	8.3	5.5	5.0	8.0	7.9	8.6	10.7	9.0	5.0	13.4	9.4
4	9.6	9.8	11.5	10.1	10.2	8.6	10.7	10.7	7.0	9.0	10.2	10.0	12.4	9.4	9.8	7.4	8.9	6.4	7.8	7.6	10.3	9.8	9.1	9.9	6.4	12.4	9.4
5	13.3	8.1	8.3	9.9	8.4	8.8	8.0	11.0	9.4	11.3	9.9	10.3	8.9	7.5	9.1	9.9	7.2	8.9	7.6	13.7	12.2	11.1	19.1	14.8	7.2	19.1	10.3
6	14.0	8.5	10.5	10.0	18.0	10.1	26.6	21.3	12.1	25.6	24.3	23.2	21.9	23.3	17.4	13.7	11.0	7.7	8.8	14.1	7.0	9.1	12.5	13.9	7.0	26.6	15.2
7	12.6	15.6	12.6	7.4	9.1	9.7	10.6	7.6	5.2	4.7	5.2	9.5	12.6	13.4	12.3	12.8	15.6	18.7	15.4	11.8	8.9	7.1	9.1	12.0	4.7	18.7	10.8
8	10.1	33.2	24.8	37.3	37.5	39.4	33.5	29.7	22.8	25.1	24.0	24.5	22.4	21.6	21.5	24.1	19.3	22.5	23.1	12.2	10.4	10.2	13.3	14.4	10.1	39.4	23.2
9	8.3	10.9	14.7	13.4	10.7	10.0	17.0	18.0	14.8	12.5	8.9	8.7	12.1	12.1	9.4	12.6	16.7	15.1	15.6	13.4	10.2	12.4	13.4	14.5	8.3	18.0	12.7
10	10.8	15.4	15.4	12.8	10.0	10.4	13.0	12.5	17.7	8.9	8.5	11.8	14.5	18.4	16.9	14.3	8.0	10.7	11.2	9.8	7.3	8.6	9.6	9.9	7.3	18.4	11.9
11	9.2	10.4	11.5	10.2	10.4	8.8	9.0	8.5	7.3	4.7	5.3	8.8	10.2	11.0	10.4	8.6	7.5	5.6	9.4	10.7	9.7	9.1	9.2	10.2	4.7	11.5	9.0
12	10.1	11.1	12.0	11.9	11.3	11.1	9.0	6.8	5.4	2.8	6.4	10.2	11.4	11.0	9.2	8.6	6.6	5.1	8.6	8.5	11.9	12.1	11.3	11.0	2.8	12.1	9.3
13	9.6	9.7	9.9	11.1	14.0	12.0	10.4	10.4	9.3	6.3	5.0	7.6	9.1	10.8	12.3	12.1	12.6	8.3	9.4	10.1	12.8	9.6	8.9	8.8	5.0	14.0	10.0
14	8.8	13.8	10.3	23.2	19.7	27.5	29.5	25.6	9.9	16.1	30.0	38.6	41.1	39.7	41.4	41.9	45.2	40.5	38.6	38.3	43.4	41.7	38.4	41.4	8.8	45.2	31.0
15	38.9	34.7	38.9	40.8	41.0	42.2	39.1	35.1	31.2	32.0	31.4	32.4	25.9	19.9	23.5	30.5	35.7	35.3	34.0	34.5	37.2	35.7	41.6	33.4	19.9	42.2	34.4
16	33.7	28.1	29.2	23.3	14.4	6.1	5.0	5.3	10.7	10.8	15.6	18.3	21.1	33.7	54.9	50.2	53.3	49.3	52.9	54.7	46.3	47.0	22.7	36.5	5.0	54.9	30.1
17	29.6	31.4	30.2	35.8	32.8	34.0	31.7	28.8	23.7	18.9	15.6	14.5	10.0	9.6	9.4	21.8	23.8	23.2	23.7	28.1	28.0	27.8	27.1	25.1	9.4	35.8	24.3
18	17.1	10.8	12.5	9.1	23.8	24.7	23.3	10.4	11.5	17.1	18.0	9.9	13.0	11.8	16.0	18.1	18.3	10.1	6.9	8.3	6.4	3.7	6.0	13.6	3.7	24.7	13.3
19	21.3	24.0	24.2	31.0	25.2	28.0	11.4	8.0	6.3	7.2	7.8	21.3	30.8	21.9	20.4	13.7	22.3	8.2	14.0	17.2	17.4	12.0	11.7	5.8	5.8	31.0	17.1
20	8.6	6.6	20.3	23.8	23.9	14.2	15.6	4.3	15.2	24.0	30.7	28.9	27.1	26.1	29.0	23.8	23.9	22.9	22.9	21.4	20.6	17.8	12.9	12.1	4.3	30.7	19.9
21	9.4	8.9	17.0	13.3	10.3	11.3	12.8	10.9	10.8	9.6	7.8	7.4	9.9	9.1	10.8	12.0	13.0	9.7	8.3	12.9	13.9	14.4	14.0	13.6	7.4	17.0	11.3
22	13.0	14.6	16.7	18.6	17.9	15.2	16.3	11.8	12.7	11.2	5.0	10.4	11.9	10.0	8.6	8.0	4.7	3.4	7.4	7.2	10.7	16.1	14.8	18.5	3.4	18.6	11.9
23	23.6	25.6	22.1	23.9	23.5	26.3	29.3	27.5	31.5	35.0	35.7	36.2	35.3	32.4	43.5	38.1	35.1	31.1	29.5	35.2	35.9	28.6	37.8	28.0	22.1	43.5	31.3
24	28.4	26.4	24.5	23.7	30.7	25.1	30.9	31.4	32.2	38.3	46.8	41.9	36.9	35.0	29.4	17.8	21.0	30.5	37.8	37.4	37.6	41.1	44.7	45.1	17.8	46.8	33.1
25	49.9	44.1	39.0	45.0	28.2	25.5	27.2	8.9	21.0	27.5	25.3	31.5	34.5	32.4	31.5	41.4	40.3	33.9	33.1	25.9	17.7	14.4	11.8	10.7	8.9	49.9	29.2
26	8.7	5.3	5.8	5.8	40.3	31.9	29.7	23.2	12.9	16.3	20.6	18.0	40.3	34.0	30.1	30.6	18.0	19.4	39.8	33.8	34.8	30.9	32.1	27.9	5.3	40.3	24.6
27	21.3	20.5	23.6	25.6	27.1	21.2	21.1	21.5	27.4	25.4	29.1	23.0	15.8	11.3	9.1	6.7	5.4	5.0	6.3	5.0	11.0	10.2	9.4	10.3	5.0	29.1	16.4
28	10.0	9.8	8.1	8.4	9.4	9.3	9.3	8.2	6.6	3.7	9.7	8.4	11.5	10.6	8.8	7.2	5.0	1.8	6.7	8.2	10.8	10.2	9.6	6.9	1.8	11.5	8.3
Min	8.2	5.3	5.8	5.8	8.4	6.1	5.0	4.3	5.2	2.8	5.0	7.4	8.9	7.5	8.6	6.7	4.7	1.8	5.0	5.0	6.4	3.7	6.0	5.8	1.8		
Max	49.9	44.1	39.0	45.0	41.0	42.2	39.1	35.1	32.2	38.3	46.8	41.9	41.1	39.7	54.9	50.2	53.3	49.3	52.9	54.7	46.3	47.0	44.7	45.1	54.9		
Avg	17.1	17.3	17.6	18.9	19.6	18.2	18.5	15.4	14.8	16.2	16.9	18.3	19.6	18.9	19.2	19.5	18.9	17.3	18.3	18.2	18.1	17.3	17.4	17.3			17.9

Total Data Records Possible: 672  
Total Valid Data Records: 672  
Percent Data Recovery: 100.0

#### Missing Data Codes

-----  
-910 No data collected - system not set up  
-920 Instrument Malfunction  
-930 Data Logger Malfunction  
-940 Calibration  
-950 Audit  
-960 Maintenance  
-970 Data invalid - Does not meet consistency or an obvious problem  
-971 Local Interference  
-980 Power failure  
-990 Reserved for future descriptor

Processed using: TABLE.EXE version 1.2

Variable: Battery Voltage  
Units: volts  
Channel: 7

Site: White Water Wash (data subject to change)  
Month: February  
Year: 2011  
Time Zone: PST

Validation Level: B  
Printout Date: 03-10-2011  
Printout Time: 13:51:15  
Output File Name: WWWB0211.7

Day	Hour Ending																								Min	Max	Avg	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	13.1	12.9	12.9	13.3	13.2	13.4	12.9	12.9	13.9	13.1	13.1	13.0	13.6	12.9	12.9	13.3	13.3	13.3	13.3	12.9	13.3	13.3	13.2	12.9	12.9	12.9	13.9	13.2
2	12.9	13.0	13.1	13.3	13.0	13.3	13.5	13.0	12.9	13.1	13.0	13.9	13.2	13.5	13.4	13.5	13.3	13.4	12.9	13.4	13.0	14.7	13.5	13.1	12.9	14.7	13.3	
3	13.5	13.5	13.5	14.2	15.8	13.4	13.1	13.5	13.1	13.1	13.5	12.9	13.0	13.3	13.5	13.2	13.6	13.0	13.0	13.1	14.1	13.6	12.9	13.6	12.9	15.8	13.5	
4	12.9	13.7	13.6	13.4	12.9	13.4	13.0	13.0	13.1	13.6	13.4	13.4	13.0	13.4	13.0	13.1	13.3	13.1	12.9	13.1	13.3	13.3	12.9	12.9	12.9	13.7	13.2	
5	13.4	13.8	13.1	12.9	12.9	12.9	13.6	12.9	12.9	13.1	13.0	12.9	13.3	13.3	13.3	13.3	13.3	13.2	13.1	13.0	13.4	13.3	13.3	13.1	12.9	13.8	13.2	
6	12.9	12.9	12.9	13.5	13.1	13.0	13.9	13.0	13.4	13.1	14.3	13.1	13.4	13.3	13.0	13.1	13.6	13.0	13.1	13.1	13.0	13.3	13.1	13.2	12.9	14.3	13.2	
7	13.3	13.3	13.5	12.9	13.1	13.5	13.3	13.2	12.9	13.1	13.2	13.4	12.9	13.3	13.2	13.1	13.2	13.2	13.1	13.2	13.6	13.4	13.3	13.9	12.9	13.9	13.3	
8	13.1	13.1	13.2	14.9	13.2	13.0	13.3	13.0	12.9	13.5	13.1	13.0	13.1	13.9	13.0	13.4	13.1	13.0	12.9	13.2	13.4	13.3	15.2	13.3	12.9	15.2	13.3	
9	13.5	14.8	13.2	13.0	13.0	13.3	12.9	13.4	13.5	12.9	12.9	13.0	13.1	13.3	13.2	12.8	13.4	13.1	13.0	13.1	13.1	13.4	13.1	12.9	12.8	14.8	13.2	
10	13.3	13.3	13.0	12.9	13.0	13.1	12.9	13.0	13.0	13.2	12.9	13.4	12.9	12.9	13.2	13.1	12.9	13.4	12.9	13.3	12.9	13.3	12.9	13.3	14.8	12.9	14.8	13.2
11	13.0	13.0	13.2	12.8	13.4	13.0	14.1	12.9	13.2	13.2	12.9	12.9	13.0	13.0	13.3	13.0	12.9	13.3	13.3	13.4	13.0	13.6	12.9	12.9	12.8	14.1	13.1	
12	13.3	13.4	13.0	12.9	12.9	13.7	13.5	13.0	13.0	12.9	12.9	14.4	13.6	13.2	13.2	14.4	13.1	13.1	13.3	14.1	13.2	13.3	13.4	12.9	12.9	14.4	13.3	
13	13.3	13.1	13.1	13.0	13.0	13.0	13.2	13.6	13.2	13.3	13.4	13.2	13.0	13.4	12.9	13.9	12.9	13.2	13.2	13.1	13.4	13.2	13.4	13.2	12.9	13.9	13.2	
14	12.9	13.5	13.1	12.9	13.7	12.9	12.9	13.0	13.1	13.0	13.5	13.0	12.9	13.1	13.4	12.9	12.9	13.1	13.1	13.0	13.3	13.0	12.9	13.4	12.9	13.7	13.1	
15	13.0	13.3	13.0	12.9	13.2	13.1	13.1	13.4	13.0	14.4	13.0	13.3	12.9	13.3	13.2	13.2	13.3	13.0	13.3	13.0	13.2	13.2	13.1	13.3	12.9	14.4	13.2	
16	13.1	12.9	13.1	13.9	12.9	14.9	13.1	13.4	13.0	12.9	12.9	13.1	12.9	13.6	13.0	13.0	13.0	13.2	12.9	13.3	13.1	13.5	13.1	13.0	12.9	14.9	13.2	
17	13.6	13.0	13.6	13.1	13.7	13.6	15.3	12.9	13.0	13.0	13.8	13.4	13.8	13.3	13.2	13.4	12.9	12.9	13.3	13.3	13.4	13.1	13.1	13.3	12.9	15.3	13.4	
18	13.4	13.5	13.4	13.2	12.9	13.2	12.9	13.1	13.0	13.4	13.3	12.9	12.9	13.2	13.0	13.0	13.1	13.1	13.2	13.9	13.0	13.0	12.9	13.7	12.9	13.9	13.2	
19	14.6	13.5	13.9	13.0	13.4	13.0	13.2	13.5	13.6	13.0	12.9	13.1	13.2	13.1	13.0	13.4	13.4	13.0	13.2	13.1	13.6	13.2	13.0	13.0	12.9	14.6	13.3	
20	13.9	13.0	13.5	13.2	13.6	13.6	13.2	14.5	13.2	13.6	13.2	13.0	12.9	13.0	12.9	14.4	13.1	12.9	13.1	13.1	13.5	14.9	13.4	13.0	12.9	14.9	13.4	
21	13.5	13.1	14.9	13.4	13.2	13.1	12.9	13.0	13.6	13.4	13.0	13.2	14.8	13.1	12.9	13.0	13.2	13.3	12.9	13.3	13.9	13.4	13.0	13.4	12.9	14.9	13.3	
22	13.3	13.7	13.9	13.2	13.0	13.4	12.9	13.2	13.1	13.9	13.1	13.2	13.4	13.2	13.3	13.3	13.3	13.2	13.1	12.9	14.9	13.0	13.4	13.4	12.9	14.9	13.3	
23	13.2	13.1	13.1	13.4	13.3	12.9	15.3	13.1	13.8	13.0	13.7	12.9	12.9	12.9	13.2	13.0	13.1	13.0	13.3	13.0	13.0	12.9	13.1	12.9	12.9	15.3	13.2	
24	13.0	13.0	13.0	13.0	13.2	13.4	13.4	13.2	13.3	13.4	12.9	13.0	12.9	13.4	12.9	13.1	13.3	13.6	13.4	12.9	13.0	13.1	13.4	13.4	12.9	13.6	13.2	
25	12.9	13.6	13.9	12.9	13.6	13.6	13.3	12.9	13.0	13.2	12.9	13.4	13.3	13.5	12.9	13.3	13.2	13.0	13.0	13.9	13.0	13.2	13.9	13.0	12.9	13.9	13.3	
26	13.1	13.0	13.0	13.3	13.4	13.2	13.3	12.9	14.6	13.3	12.9	12.9	13.0	13.0	13.1	13.0	13.2	13.2	13.4	13.3	15.3	12.9	13.7	13.0	12.9	15.3	13.3	
27	13.3	13.1	13.1	12.9	13.5	12.9	13.2	13.3	13.1	13.0	12.9	13.0	13.3	12.9	12.9	13.2	12.9	12.9	13.5	15.0	13.4	13.0	13.1	12.9	12.9	15.0	13.2	
28	13.3	13.8	13.4	13.1	13.0	13.1	13.7	13.6	13.9	13.3	13.1	13.3	13.3	12.9	13.3	12.9	13.1	13.3	13.0	13.2	13.2	13.4	13.1	12.9	12.9	13.9	13.3	
Min	12.9	12.9	12.9	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8	12.9	12.9	12.9	12.9	13.0	12.9	12.9	12.9	12.8			
Max	14.6	14.8	14.9	14.9	15.8	14.9	15.3	14.5	14.6	14.4	14.3	14.4	14.8	13.9	13.5	14.4	13.6	13.6	13.5	15.0	15.3	14.9	15.2	14.8		15.8		
Avg	13.3	13.3	13.3	13.2	13.3	13.3	13.3	13.4	13.2	13.3	13.2	13.2	13.2	13.2	13.1	13.3	13.2	13.1	13.1	13.3	13.4	13.3	13.3	13.2			13.2	

Total Data Records Possible: 672  
Total Valid Data Records: 672  
Percent Data Recovery: 100.0

#### Missing Data Codes

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-910 No data collected - system not set up  
-920 Instrument Malfunction  
-930 Data Logger Malfunction  
-940 Calibration  
-950 Audit  
-960 Maintenance  
-970 Data invalid - Does not meet consistency or an obvious problem  
-971 Local Interference  
-980 Power failure  
-990 Reserved for future descriptor

Processed using: TABLE.EXE version 1.2