

# White Water Wash Meteorological Data

April 2009

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: April  
Year: 2009  
Time Zone: PST

Validation Level: B  
Printout Date: 05-04-2009  
Printout Time: 14:19:28  
Output File Name: WWWB0409.9

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	17.9	28.4	25.6	24.3	24.1	25.2	18.3	13.6	20.0	14.4	12.7	10.2	12.9	14.6	17.5	20.8	22.5	20.6	21.9	22.7	22.9	21.8	20.8	19.8	10.2	28.4	19.7
2	20.1	18.9	18.2	15.4	15.6	5.6	2.4	4.6	5.1	9.7	7.9	10.1	11.2	10.3	9.0	11.6	21.4	26.8	29.0	29.9	31.1	32.3	33.2	32.6	2.4	33.2	17.2
3	31.8	29.2	32.0	32.8	22.4	26.0	24.2	12.6	15.9	12.9	29.0	36.3	36.0	38.0	39.2	37.0	33.4	31.4	35.8	35.7	26.9	26.8	19.7	19.4	12.6	39.2	28.5
4	20.2	18.2	17.5	13.9	10.6	9.0	5.7	4.8	3.2	3.3	4.3	5.5	5.1	5.7	3.8	3.7	2.8	4.1	5.7	6.2	4.2	5.4	6.4	6.4	2.8	20.2	7.3
5	9.1	8.9	5.7	7.4	7.7	9.0	6.1	3.2	2.0	4.5	6.1	6.4	6.7	6.0	6.3	4.3	3.4	2.8	2.8	5.1	5.9	6.4	8.4	7.9	2.0	9.1	5.9
6	7.3	6.9	6.5	4.4	7.8	7.9	5.1	2.2	1.4	3.0	3.7	6.1	8.8	7.3	7.0	7.5	6.8	5.3	3.5	3.2	6.9	8.2	7.3	7.4	1.4	8.8	5.9
7	6.9	7.6	7.0	9.1	8.9	7.9	8.7	6.6	6.5	5.0	7.2	5.0	6.1	17.6	29.5	30.4	28.1	23.1	26.3	28.0	21.4	22.7	21.8	20.0	5.0	30.4	15.1
8	17.4	11.4	21.8	24.0	26.3	22.9	10.5	13.4	15.2	16.6	16.2	27.4	27.6	25.8	22.9	29.5	26.5	26.8	24.9	26.5	26.3	23.2	19.6	22.7	10.5	29.5	21.9
9	26.0	25.8	24.5	23.2	20.6	17.2	18.2	21.2	21.5	15.6	15.3	15.0	11.9	8.5	5.3	12.3	16.6	18.6	22.4	25.0	25.0	24.7	24.5	21.6	5.3	26.0	19.2
10	22.4	22.0	21.6	20.8	21.5	19.5	22.5	22.0	21.5	23.2	24.1	23.3	26.9	27.5	26.4	28.8	30.4	31.8	28.1	30.2	28.2	27.2	24.7	8.0	8.0	31.8	24.3
11	5.3	10.7	6.8	6.5	3.7	3.0	4.3	8.0	18.1	20.6	26.1	27.3	28.7	29.9	28.6	26.4	27.3	27.2	26.2	25.5	26.0	23.4	23.1	25.0	3.0	29.9	19.1
12	21.5	21.3	19.7	18.7	15.4	14.4	14.3	11.6	7.8	3.0	5.1	8.6	8.0	5.6	4.2	6.2	6.5	7.2	5.9	4.2	3.1	6.5	7.2	10.0	3.0	21.5	9.8
13	13.1	13.6	11.3	11.0	7.6	8.1	7.9	5.8	4.0	4.1	3.9	3.6	4.5	8.2	7.7	6.3	7.7	7.8	9.2	14.0	9.8	14.6	14.1	16.4	3.6	16.4	8.9
14	21.3	17.2	10.4	7.7	12.9	21.5	17.1	19.0	21.7	19.4	18.8	23.0	26.0	24.7	22.2	23.0	15.9	14.4	19.8	18.3	12.4	13.4	14.5	12.5	7.7	26.0	17.8
15	7.8	6.3	11.8	16.3	13.5	21.8	19.7	26.2	21.9	20.8	19.7	17.0	20.9	20.3	26.4	26.1	25.1	24.9	21.2	20.1	25.0	20.4	12.6	17.1	6.3	26.4	19.3
16	14.2	14.7	12.0	14.5	12.9	11.1	14.2	14.2	12.2	7.7	6.1	6.1	6.7	5.3	8.0	15.1	16.5	18.5	18.7	19.3	20.0	19.3	18.6	20.1	5.3	20.1	13.6
17	16.8	11.8	9.7	8.9	7.7	8.5	7.2	3.6	3.8	4.8	3.8	3.9	4.7	5.7	4.6	6.4	10.8	16.9	17.9	19.2	18.9	15.7	11.6	10.6	3.6	19.2	9.7
18	12.4	11.3	10.4	9.6	8.3	7.8	5.4	3.6	4.7	6.6	5.4	6.3	5.9	4.0	5.5	4.9	5.0	8.1	4.2	4.6	6.8	6.5	6.4	7.3	3.6	12.4	6.7
19	6.7	5.9	7.5	7.8	10.7	10.4	9.8	8.1	6.8	3.4	5.5	6.4	7.3	7.1	6.8	6.1	5.5	4.8	4.0	6.7	9.6	8.5	6.2	6.3	3.4	10.7	7.0
20	4.2	4.9	6.0	7.2	7.2	7.6	5.7	5.0	2.6	4.0	5.2	6.7	10.1	9.8	6.9	5.3	3.9	4.2	2.0	2.8	5.8	6.8	5.7	8.3	2.0	10.1	5.8
21	7.5	8.6	6.6	8.1	9.4	9.5	6.3	2.9	2.8	2.5	4.3	7.9	7.0	7.2	8.7	8.6	9.1	3.1	5.1	10.3	12.9	17.7	20.0	21.9	2.5	21.9	8.7
22	11.7	14.3	16.2	18.1	19.2	20.8	15.8	5.1	6.0	5.2	14.8	18.4	23.3	25.4	26.7	29.2	28.7	31.3	27.7	27.3	27.9	26.7	28.7	28.3	5.1	31.3	20.7
23	29.0	26.5	26.8	25.2	18.2	18.9	9.1	20.4	17.0	17.9	24.3	24.0	19.9	23.9	24.8	25.2	25.2	25.0	24.6	24.3	29.0	27.6	24.5	28.3	9.1	29.0	23.3
24	30.5	34.4	34.3	26.4	13.9	14.3	20.4	17.4	24.8	24.0	23.2	25.7	27.0	28.4	29.3	30.4	31.4	29.8	29.4	30.9	32.7	34.1	33.0	30.2	13.9	34.4	27.3
25	31.1	31.4	30.5	28.6	21.7	21.0	23.5	28.6	29.6	30.1	27.7	26.1	26.7	25.4	25.5	25.1	27.5	29.3	28.7	28.3	27.2	27.0	28.0	26.4	21.0	31.4	27.3
26	26.5	23.9	24.3	22.4	22.3	24.5	23.2	21.6	17.0	14.2	11.1	7.7	13.1	18.1	21.8	26.5	30.5	30.9	29.8	28.2	28.7	25.7	26.1	24.5	7.7	30.9	22.6
27	26.4	26.6	23.7	23.8	17.5	10.9	16.1	23.9	23.0	15.1	11.1	6.3	4.6	5.5	2.5	6.2	9.3	7.5	21.7	26.3	26.7	27.0	18.7	19.6	2.5	27.0	16.7
28	18.1	21.2	21.9	23.4	24.0	21.9	20.0	23.4	23.8	23.5	24.9	23.6	24.6	26.4	28.6	28.8	32.8	35.3	32.8	32.6	34.2	33.2	33.3	32.9	18.1	35.3	26.9
29	31.0	32.9	35.4	31.5	30.2	28.6	27.2	26.3	24.9	23.8	18.6	15.6	18.0	20.5	22.3	20.3	20.2	20.5	23.2	24.7	23.6	25.0	27.0	26.5	15.6	35.4	24.9
30	26.2	25.0	25.0	24.8	25.5	25.7	22.0	19.7	16.8	14.0	9.8	4.2	5.0	3.8	3.7	4.5	4.9	12.3	6.1	11.9	14.1	16.1	18.4	18.0	3.7	26.2	14.9
Min	4.2	4.9	5.7	4.4	3.7	3.0	2.4	2.2	1.4	2.5	3.7	3.6	4.5	3.8	2.5	3.7	2.8	2.8	2.0	2.8	3.1	5.4	5.7	6.3	1.4		
Max	31.8	34.4	35.4	32.8	30.2	28.6	27.2	28.6	29.6	30.1	29.0	36.3	36.0	38.0	39.2	37.0	33.4	35.3	35.8	35.7	34.2	34.1	33.3	32.9		39.2	
Avg	18.0	18.0	17.7	17.2	15.6	15.3	13.7	13.3	13.4	12.4	13.2	13.8	14.8	15.6	16.1	17.2	17.9	18.3	18.6	19.7	19.8	19.8	18.8	18.5			16.5

Total Data Records Possible: 720  
Total Valid Data Records: 720  
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: April  
 Year: 2009  
 Time Zone: PST

Validation Level: B  
 Printout Date: 05-04-2009  
 Printout Time: 14:19:28  
 Output File Name: WWWB0409.10

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	Prev
1	296	298	300	311	306	302	290	293	293	292	302	299	300	306	302	304	303	307	308	304	303	303	307	310	[WNW]
2	310	302	314	306	285	274	225	186	165	141	141	135	135	133	133	168	302	303	310	305	299	301	305	310	[NW ]
3	306	296	291	297	310	319	297	279	295	308	290	305	303	299	304	311	316	311	314	310	315	314	309	309	[NW ]
4	303	301	311	318	329	309	326	293	277	274	164	224	151	166	171	191	235	250	15	342	360	348	314	334	[NW ]
5	339	321	339	333	332	334	318	307	268	201	190	166	156	223	192	147	225	242	277	336	319	320	329	334	[NNW]
6	336	327	334	308	332	336	338	331	297	188	167	179	167	151	148	151	152	136	151	63	340	350	338	321	[NNW]
7	341	347	330	353	349	344	352	343	295	171	127	125	103	316	300	303	302	306	303	307	303	299	310	310	[WNW]
8	299	314	317	306	312	304	281	305	298	303	298	305	305	310	311	316	311	301	302	301	298	304	304	309	[NW ]
9	300	304	302	301	299	306	298	296	296	298	304	303	307	309	334	317	307	304	308	307	302	301	302	304	[WNW]
10	302	301	300	301	298	300	300	299	297	299	300	300	300	301	303	303	299	299	300	301	300	310	308	284	[WNW]
11	256	284	297	273	282	280	267	256	292	305	308	306	302	301	303	305	304	305	303	301	302	303	302	299	[WNW]
12	302	301	304	303	307	316	307	308	310	58	157	140	126	134	131	133	143	266	117	116	265	307	297	316	[NW ]
13	313	327	330	344	348	344	337	269	182	158	154	169	152	140	150	141	126	122	10	288	280	303	305	304	[NNW]
14	300	301	284	269	275	295	291	293	298	296	298	305	309	309	314	305	341	80	66	82	359	151	309	348	[WNW]
15	88	3	297	310	304	335	318	319	310	305	292	294	301	304	294	285	297	298	302	297	297	301	300	302	[WNW]
16	307	319	293	301	290	297	299	298	295	300	291	311	326	329	287	308	298	299	301	306	305	305	307	307	[WNW]
17	319	307	326	351	347	348	334	331	209	194	188	229	26	321	317	309	277	295	306	306	299	304	307	308	[NW ]
18	326	349	341	355	358	346	329	301	155	159	174	173	183	209	154	168	227	45	29	284	302	337	339	334	[NNW]
19	334	343	321	341	322	321	312	315	320	279	254	174	186	178	210	179	201	222	263	323	353	334	337	343	[NW ]
20	341	313	320	319	322	324	334	350	262	158	172	161	156	166	163	170	181	153	153	134	338	344	349	329	[SSE]
21	335	327	335	340	346	341	329	320	279	195	138	131	141	145	131	143	140	129	17	308	297	309	297	293	[SE ]
22	306	338	325	326	320	311	283	202	209	218	293	302	301	300	302	301	301	302	301	301	298	298	299	296	[WNW]
23	297	295	295	292	314	314	250	289	298	298	298	298	300	300	307	310	309	308	310	329	316	328	308	302	[WNW]
24	298	290	291	290	273	284	289	283	291	296	295	295	297	296	304	304	304	307	305	305	304	306	310	305	[WNW]
25	304	306	308	313	302	298	310	312	307	319	317	311	308	305	303	303	300	301	303	303	300	304	299	297	[NW ]
26	297	297	298	297	299	297	296	296	296	299	301	311	304	304	299	297	299	304	305	307	302	302	303	305	[WNW]
27	310	310	303	299	306	296	293	297	297	297	303	318	155	183	307	138	123	131	306	308	310	305	305	303	[NW ]
28	296	297	297	298	294	294	296	300	299	296	298	299	302	297	299	305	302	299	303	300	301	305	304	299	[WNW]
29	305	300	299	300	300	300	301	302	300	301	305	307	306	299	301	300	302	303	302	304	306	309	308	306	[WNW]
30	302	303	301	300	296	298	301	298	296	301	288	321	300	202	309	233	187	306	56	277	291	302	306	306	[WNW]

Prev [WNW] [WNW] [WNW] [WNW] [NW ] [WNW] [WNW] [WNW] [WNW] [WNW] [WNW] [WNW] [NW ] [WNW] [NW ] [WNW] [NW ] [WNW] [WNW] [WNW] [NW ] [WNW] [NW ] [NW ] [NW ] [WNW]

Total Data Records Possible: 720  
 Total Valid Data Records: 720  
 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: 05-04-2009  
Printout Time: 14:19:28  
Output File Name: WWWB0409.10t

```
Total Data Records Possible: 720
Total Valid Data Records: 720
Percent Data Recovery: 100.0
```

```
-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.FXF version 1.2

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

Site: White Water Wash (data subject to change)  
 Month: April  
 Year: 2009  
 Time Zone: PST

Validation Level: B  
 Printout Date: 05-04-2009  
 Printout Time: 14:19:28  
 Output File Name: WWWB0409.11

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	10.6	8.9	8.2	8.2	9.4	8.0	17.0	13.7	10.0	14.0	17.0	24.1	13.8	13.2	12.1	9.6	8.1	8.9	8.0	7.1	7.3	7.2	7.8	7.3	7.1	24.1	10.8
2	7.6	8.1	8.2	8.1	11.0	19.4	56.5	12.7	19.2	13.6	17.4	15.0	14.5	14.4	15.2	42.9	12.1	9.7	11.2	10.0	10.9	9.1	8.8	8.6	7.6	56.5	15.2
3	8.2	9.3	9.9	10.5	19.5	14.4	17.3	43.4	25.8	45.9	15.9	7.8	9.3	9.1	9.1	9.8	10.2	10.8	7.9	7.3	8.8	8.6	10.9	9.1	7.3	45.9	14.1
4	8.2	9.6	10.5	11.4	14.6	12.3	22.2	15.3	41.2	64.3	52.8	37.2	54.9	38.6	63.7	48.7	41.0	23.6	7.5	11.8	26.6	10.8	6.8	14.5	6.8	64.3	27.0
5	9.4	7.8	12.3	8.3	7.5	6.0	15.1	14.0	27.1	35.2	37.0	35.5	38.4	38.4	34.6	76.9	51.4	25.4	18.6	20.2	12.2	12.6	3.9	4.1	3.9	76.9	23.0
6	6.8	6.6	14.8	12.7	8.3	6.5	7.5	15.2	39.5	53.5	53.8	26.3	26.0	38.6	28.6	19.4	17.3	13.6	19.3	30.9	8.3	12.7	9.8	7.1	6.5	53.8	20.1
7	9.6	5.9	9.0	7.5	7.6	8.6	7.9	16.4	29.4	28.4	22.8	31.4	32.1	19.5	10.7	8.6	10.1	18.2	11.2	13.0	20.9	15.2	15.6	13.7	5.9	32.1	15.6
8	24.9	23.3	21.2	13.3	11.6	15.4	23.1	25.4	21.9	26.9	26.9	14.3	13.7	13.4	15.4	12.6	8.7	8.2	8.6	8.6	8.9	9.5	9.4	9.1	8.2	26.9	15.6
9	8.7	7.7	8.4	8.4	8.3	9.3	8.2	8.7	8.3	13.8	14.4	16.8	19.2	55.5	45.0	19.7	14.0	10.6	10.8	9.1	8.3	8.1	8.0	9.2	7.7	55.5	14.1
10	8.9	10.4	9.0	9.4	8.5	7.9	7.4	7.6	8.7	8.2	8.0	9.6	9.6	9.2	9.5	9.0	8.6	8.5	7.7	7.4	7.7	7.7	8.1	37.1	7.4	37.1	9.7
11	42.3	39.8	25.5	39.1	28.8	33.2	25.0	34.3	17.1	12.4	10.1	11.0	10.4	9.5	9.1	9.1	8.3	7.5	8.1	8.1	7.4	8.5	8.4	7.9	7.4	42.3	17.5
12	8.5	8.1	7.6	7.6	7.3	7.7	7.5	8.8	15.4	43.4	45.2	18.4	21.0	32.6	45.9	22.9	22.3	38.1	50.5	33.0	22.3	13.2	9.0	9.8	7.3	50.5	21.1
13	7.5	10.6	12.8	12.8	12.0	8.5	8.1	15.9	16.5	17.2	27.7	45.7	44.9	26.1	17.7	29.2	17.1	12.2	25.6	9.9	20.8	11.6	9.4	8.8	7.5	45.7	17.9
14	8.1	8.5	14.4	20.6	23.5	8.6	9.5	8.9	8.6	8.8	9.3	10.6	11.0	13.0	16.8	17.5	40.2	25.4	24.2	26.6	46.8	42.9	47.6	47.6	8.1	47.6	20.8
15	60.7	36.9	35.7	24.8	25.1	12.6	22.2	11.6	9.2	12.3	12.9	21.2	16.7	14.8	11.1	11.1	10.8	9.2	9.4	9.4	8.3	9.6	14.4	9.9	8.3	60.7	17.5
16	11.7	10.4	19.0	11.2	10.9	9.5	8.0	9.7	14.8	26.7	47.6	48.2	33.9	48.6	26.2	12.7	9.5	8.2	7.7	7.3	7.5	6.8	7.1	7.2	6.8	48.6	17.1
17	8.8	11.2	14.3	9.0	8.1	7.1	9.0	30.9	23.7	23.9	37.4	48.7	73.4	56.7	61.5	42.5	35.7	7.9	8.0	7.7	7.4	7.7	7.3	7.0	7.0	73.4	23.1
18	9.0	9.7	9.8	9.1	7.0	11.2	16.3	26.7	17.7	16.1	40.9	43.3	61.6	44.7	44.5	60.8	41.7	21.4	31.2	41.9	28.6	12.2	38.0	10.9	7.0	61.6	27.3
19	8.6	13.9	13.6	11.1	5.5	5.4	8.7	9.5	16.5	55.0	45.9	42.9	34.0	45.4	33.7	35.3	35.6	14.5	9.1	11.5	7.8	14.8	12.1	10.5	5.4	55.0	20.9
20	29.3	13.0	10.7	11.2	8.6	15.2	12.5	11.3	35.6	28.9	26.8	34.0	17.9	15.6	32.4	24.9	33.2	8.4	38.0	43.8	18.8	8.7	8.9	8.1	8.1	43.8	20.7
21	19.5	8.5	8.1	7.7	7.0	5.8	4.9	10.6	21.6	33.1	26.8	20.4	33.5	26.8	37.0	16.3	14.2	23.9	19.8	27.9	15.0	13.3	9.1	10.1	4.9	37.0	17.5
22	17.0	12.7	12.8	8.8	8.3	8.1	15.2	25.2	15.6	32.0	14.3	15.2	10.2	9.4	8.8	9.3	8.4	7.4	7.7	7.8	7.5	7.2	7.1	7.6	7.1	32.0	11.8
23	8.0	9.3	8.8	9.4	13.2	9.3	29.3	14.2	11.1	10.3	9.7	9.9	12.8	10.6	10.4	15.1	14.2	12.6	13.8	14.3	8.2	12.2	13.9	10.6	8.0	29.3	12.1
24	11.0	9.4	10.5	12.5	29.7	27.8	17.4	25.8	13.8	9.8	8.8	10.6	11.4	9.7	10.5	12.1	8.7	8.1	8.5	9.0	9.4	8.9	9.5	11.0	8.1	29.7	12.6
25	10.8	9.7	11.6	11.9	16.5	15.4	13.8	9.5	9.4	8.6	9.4	8.9	9.4	9.3	8.8	8.0	8.1	7.3	7.7	7.7	7.5	7.8	7.7	7.9	7.3	16.5	9.7
26	6.9	7.7	7.3	7.8	7.9	7.7	7.8	8.3	9.1	13.9	20.9	33.6	20.5	17.8	9.9	9.2	7.7	7.4	7.6	8.1	7.9	9.0	8.0	8.6	6.9	33.6	10.9
27	7.4	7.0	8.4	7.8	9.4	23.1	9.6	7.7	7.6	9.9	15.2	28.6	45.7	40.3	47.8	44.4	12.3	49.8	10.1	10.3	10.8	8.6	9.7	8.8	7.0	49.8	18.3
28	8.6	8.1	8.5	8.1	7.5	8.4	8.0	9.3	8.8	10.0	9.7	10.6	12.0	11.0	9.7	8.4	8.1	7.6	7.8	7.9	8.4	8.1	7.7	8.1	7.5	12.0	8.8
29	8.5	8.6	7.3	7.8	8.3	7.5	7.5	8.0	8.4	8.3	9.4	13.3	12.4	10.7	9.9	10.0	9.4	8.9	8.1	7.9	7.6	7.4	8.1	8.7	7.3	13.3	8.8
30	8.6	7.6	7.6	7.5	8.1	7.1	7.9	7.6	7.8	11.5	23.1	56.1	37.3	45.5	53.2	59.6	35.8	14.2	58.4	17.5	11.4	7.6	7.6	7.9	7.1	59.6	21.5
Min	6.8	5.9	7.3	7.5	5.5	5.4	4.9	7.6	7.6	8.2	8.0	7.8	9.3	9.1	8.8	8.0	7.7	7.3	7.5	7.1	7.3	6.8	3.9	4.1	3.9		
Max	60.7	39.8	35.7	39.1	29.7	33.2	56.5	43.4	41.2	64.3	53.8	56.1	73.4	56.7	63.7	76.9	51.4	49.8	58.4	43.8	46.8	42.9	47.6	47.6		76.9	
Avg	13.5	11.6	12.2	11.5	12.0	11.6	14.3	15.5	17.3	23.2	23.9	25.0	25.4	24.9	25.0	23.8	18.8	14.6	15.7	14.8	13.0	10.9	11.3	11.2			16.7

Total Data Records Possible: 720  
 Total Valid Data Records: 720  
 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: April  
Year: 2009  
Time Zone: PST

Validation Level: B  
Printout Date: 05-04-2009  
Printout Time: 14:19:29  
Output File Name: WWWB0409.17

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	36.8	49.9	40.4	38.9	39.1	36.7	34.6	28.6	32.3	25.5	22.1	19.3	23.9	23.8	27.8	31.6	33.6	30.8	35.4	34.4	33.7	34.2	31.5	29.8	19.3	49.9	32.3
2	29.1	29.2	28.8	26.7	26.4	21.4	9.3	7.0	9.9	18.9	13.7	17.4	18.5	18.1	16.5	34.2	37.8	43.3	43.8	49.4	52.2	50.3	52.0	50.2	7.0	52.2	29.3
3	51.9	53.3	51.8	56.0	53.4	46.8	52.0	44.3	39.2	40.8	47.9	56.2	56.0	60.5	61.3	62.3	57.6	55.9	52.2	53.0	39.6	44.3	34.8	29.4	29.4	62.3	50.0
4	31.7	29.0	27.3	24.0	19.7	15.5	10.9	7.6	8.5	8.3	11.3	14.0	14.4	12.3	10.4	9.9	9.0	8.2	8.3	8.3	8.1	7.6	8.5	10.2	7.6	31.7	13.4
5	12.2	12.2	9.3	9.7	9.9	12.3	9.1	5.9	4.2	12.1	14.1	13.7	13.6	14.5	14.9	11.3	10.4	8.5	6.8	7.9	8.9	9.2	11.3	11.1	4.2	14.9	10.5
6	9.9	9.1	8.5	7.8	9.7	10.3	7.7	4.8	4.2	8.1	11.0	17.6	16.4	17.1	14.7	14.5	12.9	8.2	6.6	7.7	9.5	12.5	12.6	9.9	4.2	17.6	10.5
7	10.0	10.7	11.2	11.8	11.8	10.8	12.2	13.0	15.3	12.3	14.0	11.7	11.5	40.5	47.8	48.5	47.9	47.6	43.7	56.0	39.8	40.9	43.4	34.8	10.0	56.0	27.0
8	45.7	35.4	51.7	42.7	45.1	42.1	25.5	32.3	34.6	35.4	47.6	51.5	51.7	44.0	41.9	47.4	46.6	39.8	37.3	45.6	43.8	35.5	34.4	38.2	25.5	51.7	41.5
9	39.3	40.6	37.9	35.0	32.9	27.7	28.9	34.2	33.0	25.8	29.4	24.7	22.5	21.7	19.1	28.6	27.3	29.7	38.5	37.9	37.2	38.4	37.2	35.5	19.1	40.6	31.8
10	37.8	35.2	35.2	34.8	35.0	29.0	32.6	31.8	30.4	34.0	34.3	34.2	40.2	39.8	39.2	45.9	44.9	49.5	46.7	44.7	45.7	39.7	36.4	23.9	23.9	49.5	37.5
11	12.4	27.5	12.9	10.7	9.9	9.1	10.2	24.7	37.3	35.8	41.5	41.9	46.7	50.8	42.0	41.5	41.1	39.4	39.8	39.1	43.1	36.2	37.2	41.8	9.1	50.8	32.2
12	34.2	32.8	30.1	28.2	23.1	21.5	21.5	17.0	12.7	7.7	11.3	13.1	14.8	11.3	13.3	12.4	18.5	18.8	14.3	9.7	7.2	14.0	13.6	18.1	7.2	34.2	17.5
13	22.2	20.1	18.5	18.6	11.8	12.7	12.7	11.2	7.0	7.2	7.1	9.4	9.6	14.4	13.4	13.4	15.1	12.5	23.4	23.7	19.5	26.8	23.5	27.7	7.0	27.7	15.9
14	31.6	31.0	22.7	21.2	32.4	33.6	30.6	32.4	33.9	29.9	30.0	37.8	41.5	40.2	38.8	45.2	37.6	30.5	41.1	54.3	50.3	32.4	35.1	44.9	21.2	54.3	35.8
15	29.3	14.5	29.2	30.4	25.4	37.9	36.2	46.1	38.7	34.1	41.2	37.8	46.4	36.1	50.0	44.3	38.4	39.5	38.2	34.0	39.5	33.7	28.6	30.1	14.5	50.0	35.8
16	25.3	24.5	21.6	25.8	23.2	19.2	21.4	22.7	20.5	17.3	16.4	16.8	17.8	14.0	17.4	23.8	24.7	26.9	30.0	28.4	30.5	27.6	27.8	28.9	14.0	30.5	23.0
17	28.1	21.4	16.8	13.7	11.8	11.5	10.2	7.2	8.3	12.6	8.8	10.7	14.3	16.5	14.3	16.2	23.8	24.5	28.1	29.1	28.3	23.8	21.0	17.1	7.2	29.1	17.4
18	20.8	19.1	15.8	12.7	11.7	12.7	9.9	7.5	8.8	10.7	11.8	15.3	14.2	11.5	14.5	13.9	12.1	15.2	15.5	8.8	13.1	9.5	10.6	9.9	7.5	20.8	12.7
19	8.7	8.9	11.0	10.8	13.3	13.2	14.5	12.8	12.1	8.8	11.0	13.4	16.7	18.7	15.8	14.8	11.2	11.5	6.7	9.4	12.4	12.2	8.8	9.0	6.7	18.7	11.9
20	8.9	9.3	8.6	10.1	9.1	11.3	9.0	8.3	6.2	9.1	13.1	15.9	18.3	18.0	15.6	12.4	8.6	6.9	5.3	4.5	10.7	8.9	8.8	11.5	4.5	18.3	10.3
21	11.0	12.1	10.7	10.9	11.8	11.7	9.7	5.8	5.6	7.5	13.0	15.9	16.1	14.0	19.3	16.5	14.1	11.3	10.9	21.4	25.9	32.7	32.8	35.0	5.6	35.0	15.7
22	26.3	22.4	25.3	27.8	29.1	31.4	30.3	17.8	10.4	12.0	26.0	33.4	37.2	39.3	40.2	45.7	46.4	43.7	39.3	40.7	41.4	42.6	43.8	43.8	10.4	46.4	33.2
23	43.3	41.0	44.4	40.0	30.2	29.1	25.8	38.1	27.9	30.0	40.0	39.2	34.9	37.6	38.8	44.6	44.7	42.5	42.2	37.2	43.3	40.5	40.5	45.2	25.8	45.2	38.4
24	53.0	55.6	57.0	44.6	31.1	35.2	41.8	36.9	46.0	38.9	36.8	40.5	43.2	43.2	47.2	48.9	47.3	43.8	46.8	50.0	57.0	56.8	51.0	50.1	31.1	57.0	45.9
25	52.5	50.3	53.8	48.2	45.3	45.5	51.3	50.7	45.3	45.0	41.8	39.3	39.1	36.4	37.3	37.6	40.3	41.5	43.8	43.0	39.2	39.2	42.2	41.1	36.4	53.8	43.7
26	37.3	37.3	36.0	33.3	35.2	39.2	36.7	33.5	26.7	23.0	20.2	19.3	23.6	31.4	31.9	38.4	43.5	43.4	43.3	43.0	43.7	41.7	38.7	38.5	19.3	43.7	34.9
27	38.6	36.2	36.2	36.2	31.7	21.5	27.8	36.8	36.8	24.7	20.1	16.1	14.0	12.5	10.2	12.3	16.9	24.4	36.5	43.9	44.2	42.9	32.2	32.8	10.2	44.2	28.6
28	29.5	36.1	33.7	33.8	36.5	35.1	33.5	33.5	37.1	35.4	40.7	36.4	41.3	40.1	46.9	47.2	46.5	50.1	50.1	51.9	52.8	52.5	52.5	51.2	29.5	52.8	41.8
29	47.3	51.4	52.5	50.7	46.3	40.6	41.4	39.7	38.4	35.1	29.8	23.9	30.5	31.3	33.3	32.1	32.4	35.6	34.5	36.5	34.8	37.2	41.9	42.4	23.9	52.5	38.3
30	38.7	38.9	38.3	37.3	39.9	39.1	35.4	30.5	25.4	22.1	19.4	11.8	20.4	8.3	11.5	11.4	13.3	21.4	19.1	20.6	26.8	25.9	27.8	26.7	8.3	39.9	25.4
Min	8.7	8.9	8.5	7.8	9.1	9.1	7.7	4.8	4.2	7.2	7.1	9.4	9.6	8.3	10.2	9.9	8.6	6.9	5.3	4.5	7.2	7.6	8.5	9.0	4.2		
Max	53.0	55.6	57.0	56.0	53.4	46.8	52.0	50.7	46.0	45.0	47.9	56.2	56.0	60.5	61.3	62.3	57.6	55.9	52.2	56.0	57.0	56.8	52.5	51.2		62.3	
Avg	30.1	29.8	29.2	27.7	26.4	25.5	24.4	24.1	23.2	22.3	24.2	24.9	27.0	27.3	28.2	30.2	30.2	30.1	30.9	32.5	32.7	31.7	30.7	30.6			28.1

Total Data Records Possible: 720  
Total Valid Data Records: 720  
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: April  
Year: 2009  
Time Zone: PST

Validation Level: B  
Printout Date: 05-04-2009  
Printout Time: 14:19:28  
Output File Name: WWWB0409.7

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	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0
2	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.9	13.0	13.0	13.1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.8	13.0	13.0	13.9	13.1
3	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0
4	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.6	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.6	13.0
5	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0
6	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0
7	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.1	13.0	13.0	13.0	13.0	12.9	13.1	13.0
8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.1	13.0
9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0	13.1	13.0	13.0	13.3	13.0	13.0	13.0	13.0	13.0	13.0	13.3	13.0
10	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	12.9	13.0	13.0
11	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.8	13.1	13.0	13.0	13.0	13.0	14.1	13.1	13.0	13.0	13.0	13.0	13.0	14.1	13.1
12	13.0	13.0	13.4	13.0	13.0	13.6	13.0	13.0	13.0	13.8	13.5	13.0	13.0	13.0	13.8	13.1	12.9	12.9	13.0	13.1	13.1	13.0	13.0	13.0	12.9	13.8	13.1
13	13.0	13.0	13.0	13.0	13.0	13.0	13.3	13.0	13.0	12.9	12.9	13.0	12.9	13.0	13.0	13.0	13.1	13.0	13.0	13.1	13.1	13.1	13.1	13.0	12.9	13.3	13.0
14	13.1	13.0	13.9	13.9	13.7	13.7	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.5	13.0	13.0	13.0	12.9	13.9	13.1
15	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.9	13.0
16	13.0	13.0	13.0	13.0	13.0	13.0	13.4	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.4	13.0
17	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	13.0	13.0	13.0	13.0	13.0	13.1	13.1	13.0	13.0	13.0	13.0	12.9	13.1	13.0
18	13.0	13.0	13.4	13.0	13.0	13.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.2	13.1	13.0	13.1	13.0	13.9	13.1
19	13.0	13.0	13.0	13.7	13.0	13.0	13.0	13.0	13.0	12.9	13.1	13.0	12.9	13.0	13.0	13.0	13.1	13.0	13.1	13.0	13.1	13.0	13.0	13.9	12.9	13.9	13.1
20	13.9	13.0	13.1	13.8	13.9	13.0	13.0	13.4	13.0	13.1	13.1	13.0	13.3	13.9	13.8	13.7	13.6	13.6	13.6	13.7	13.6	13.7	13.8	13.7	13.0	13.9	13.5
21	13.7	13.7	13.7	13.7	13.7	13.8	13.7	13.7	13.6	13.5	13.6	13.5	13.5	13.4	13.3	13.6	13.3	13.3	13.6	13.6	13.6	13.6	13.6	13.7	13.3	13.8	13.6
22	13.6	13.6	13.7	13.6	13.8	13.7	13.6	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.6	13.5	13.6	13.6	13.6	13.6	13.7	13.7	13.8	13.8	13.5	13.8	13.6
23	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6	13.8	13.6	13.8	13.8	13.7	13.7	13.9	13.8	13.9	13.6	13.9	13.7
24	13.9	13.9	13.9	13.8	13.8	13.9	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.7	13.7	13.8	13.8	13.7	13.8	13.8	13.9	13.8	13.9	13.9	13.7	13.9	13.8
25	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.8	13.8	13.9	13.8	13.9	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.8	13.9	13.9
26	13.9	13.9	13.9	13.9	13.9	13.9	13.3	13.1	13.9	13.2	13.9	13.2	13.6	13.0	13.2	13.4	13.9	13.0	13.4	13.2	13.2	13.1	13.0	13.0	13.0	13.9	13.4
27	13.1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0	13.1	13.0	13.0	13.1	13.0	13.9	13.0	13.0	13.0	13.9	13.0
28	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
29	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.5	13.0	13.0	13.0	13.0	13.0	13.3	12.9	13.0	12.9	13.0	13.3	13.0	13.0	13.0	13.0	13.0	12.9	13.5	13.0
30	13.0	13.0	13.0	13.4	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.9	13.0	12.9	12.9	13.0	13.0	13.0	13.0	13.1	13.1	13.0	13.2	13.1	12.9	13.4	13.0
Min	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.0	12.9	13.0	13.0	13.0	13.0	12.9		
Max	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.8	13.9	13.9	13.8	13.9	13.8	14.1	13.9	13.9	13.9	13.9	13.9		14.1	
Avg	13.2	13.1	13.2	13.2	13.2	13.2	13.1	13.2	13.2	13.1	13.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2			13.2

Total Data Records Possible: 720  
Total Valid Data Records: 720  
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