

Monthly Matrix SO2 (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Aug 2008

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
01	297	287	396	409	343	328	223	351P	288	134	44	9	9995c	3	2	1	2	1	1C	9995c	30C	60	38	54	1	409	
02	65	49	40	102	98	204	979	962P	575	381	149	42	9995c	26	3	2	1	1	2	4	6	19	41	70	1	979	
03	55	100	302	305	229	117	59	91P	191	269	362	81	9995c	3	2	3	47	131	75	46	53	69	471	190	2	471	
04	236	192	182	148	120	149	140	235P	311	109	9	8	9995c	14	11	7	18	20	16	22	37	168	429	538	7	538	
05	450	273	155	120	143	19	18	87P	83	91	21	13	9995c	4	3	2	21	41	48	46	77	78	137	60	2	450	
06	94	73	141	128	131	173	116	127P	23	145	140	13	9995c	36	28C	1C	1	26	26	121	72	140	226	209	1	226	
07	221	184	69	90	105	175	186	138P	159	107	51	20	9995c	4	3	7	33	47	66	277	135	21	204	362	3	362	
08	112	149	122	107	192	259	515	448P	189	314	17	35	9995c	44	16	19	26	18	19	101	292	305	315	199	16	515	
09	165	99	106	109	79	175	273	903P	928	683	542	273	9995c	7	4	2	4	25	42	254	318	124	141	130	2	928	
10	302	200	189	150	131	81	59	76P	98	63	39	76	9995c	6	4	2	6	5	328	259	352	353	319	181	2	353	
11	103	54	53	106	54	120	172	38P	555	147	20	84	9995c	8	2	1	9	16	70	70	57	24	109	333	207	1	555
12	64	37	324	145	66	50	34	35P	53	106	26	13	9995c	3	2	1	2	1	0	0	3	12	59	41	0	324	
13	83	579	993	867	1000	826	733	610P	570	589	182P	9995c	51	5	2	2	2	1	1	1	4	11	15	17	1	1000	
14	20	22	38	100	42	25	46	111P	166	103	31	5	9995c	2	1	1	1	1	0	1	3	36	26	25	0	166	
15	36	59	66	207	552	692	805	794P	155	96	37	59	9995c	13	5	20	29	12	25	37	41	43	33	67	5	805	
16	93	133	111	84	86	110	138	114P	97	150	171	34	9995c	9	11	15	26	19	251	289	110	72	85	122	9	289	
17	108	96	94	75	80	69	67	97P	107	130	112	128	9995c	6	4	3	4	12	21	37	104	139	123	92	3	139	
18	58	44	59	116	166	121	117	205P	163	144	105	31	9995c	2	1	1	1	5	14	35	37	103	91	69	1	205	
19	38	38	156	256	273	132	154	264P	269	145	29	8	9995c	2	1C	1C	1	1	5	13	45	75	60	63	1	273	
20	76	91	89	71	76	35	25	49P	149	62	28	5	9995c	2	1	0	2	79	259	172	90	179	10	22	0	259	
21	78	7	3	26	35	293	79	398P	467	509	679	22	9995c	4	14	60	126	272	40	96	247	317	337	258	3	679	
22	120	102	150	175	145	69	90	123P	339	273	43	10	9995c	5	3	32	77	18	8	448	298	115	69	9980b	3	448	
23	89	105	201	124	65	89	168	176P	197	67	13	3	9995c	2	1	1	1	1	1	10	6	18	42	9980b	1	201	
24	311	262	319	673	767	510	996	991P	575	141	16	8	9995c	5	10	6	3	5	6	17	105	122	150	112	3	996	
25	106	112	130	171	209	262	400	377P	217	156	86	82	9995c	23	19	16	12	26	42	58	91	145	238	108	12	400	
26	60	33	43	117	111	112	173	145P	71	60	21	2	9995c	2	1C	3C	1	2	1	1	5	27	46	58	1	173	
27	65	99	185	207	151	132	97	86P	116	73	10	4	9995c	2	1	1	1	0	0	1	9	25	32	9980b	0	207	
28	129	277	192	139	87	126	71	108P	65	55	67	7	9995c	3	3	2	4	16	15	35	75	65	61	9980b	2	277	
29	33	26	25	54	105	172	139	61P	81	129	16	2	9995c	1	1	0	1	0	0	1	2	8	16	27	0	172	
30	30	8	113	97	65	91	116	145P	138	140	104	19	9995c	6	1	1	0	1	0	1	1	4	7	14	0	145	
31	19	16	20	35	56	102	78	81P	71	85	46	12	9995c	6	4	1	4	11	23	151	230	199	177	156	1	230	

Flags: Monthly: 117 Ave 0 1000
 b = Bad Condition - Invalid Hour (9980)
 C = Calibration - Valid Hour
 c = Calibration - Invalid Hour (9995)
 P = Power Failure - Valid Hour

Monthly Matrix PM2.5 (PA16)

Station/Facility: PA16
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
 Month/Year: Aug 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	36	72	65	86	89	80	76	35	57	51	22	9	9	7	3	0	-1	0	2	3	174	223	154	-13	-13	223
02	17	16	15	10	31	36	40	313	263	102	86	26	14	12	19	14	9	5	8	8	6	10	12	13	5	313
03	25	20	41	111	115	76	40	23	26	49	52	74	15	14	5	0	4	16	40	23	19	9	19	88	0	115
04	28	44	29	32	28	24	24	29	46	50	50	12	17	8	11	17	11	13	19	11	16	17	38	93	8	93
05	104	85	46	19	15	18	6	3	7	13	13	13	14	15	19	18	14	13	12	13	15	21	22	24	3	104
06	2	6	13	23	25	27	40	29	29	0	28	16	9	8	8	3	1	-2	0	2	6	8	24	45	-2	45
07	41	38	38	9	18	15	26	38	29	27	20	10	8	5	-1	-2	3	5	4	9	39	17	-2	27	-2	41
08	68	17	28	19	22	42	52	93	86	38	94	-2	-1	1	6	8	4	1	4	6	18	39	46	44	-2	94
09	30	25	15	19	18	19	38	53	186	615	120	63	36	3	4	3	-1	0	6	10	37	38	20	27	-1	615
10	14	40	27	28	22	19	10	7	6	9	11	10	11	10	7	3	2	3	6	64	24	45	55	53	2	64
11	33	10	7	5	10	11	11	30	6	103	5	8	9	4	4	3	2	5	9	9	6	3	17	64	2	103
12	35	11	7	75	25	10	12	8	3	3	19	15	15	11	6	1	2	16	10	3	2	2	9	14	1	75
13	14	15	80	182	99	156	108	99	71	75	0P	16	12	12	5	-1	-4	-2	-1	3	5	3	3	6	-4	182
14	10	10	9	9	21	12	7	4	18	28	19	6	3	0	2	2	4	4	3	4	5	6	10	17	0	28
15	9	11	17	18	27	84	98	126	117	26	14	9	7	6	4	4	5	7	3	7	11	12	17	14	3	126
16	24	24	36	28	29	21	31	24	17	13	18	23	9	7	7	10	13	14	9	32	38	8	9	11	7	38
17	14	13	19	24	20	13	14	15	12	11	19	18	15	12	4	2	3	1	1	6	9	17	19	17	1	24
18	20	17	12	11	18	21	17	24	32	11	20	11	11	7	3	1	1	2	1	4	7	5	10	13	1	32
19	11	5	3	18	23	27	13	13	26	43	20	10	6	3	6	5	2	3	3	6	6	7	11	12	2	43
20	9	8	12	11	8	8	4	5	10	20	3	7	10	11	10	9	5	4	7	21	13	11	19	1	1	21
21	3	4	3	0	-1	0	39	6	46	65	60	126	2	3	6	4	3	10	40	5	7	38	46	48	-1	126
22	36	17	12	17	29	17	9	11	16	16	13	7	1	-1	0	1	3	5	4	1	40	19	10	9980b	-1	40
23	2	4	6	10	11	4	4	10	13	14	12	9	6	1	0	1	1	5	4	-1	2	7	10	9980b	-1	14
24	17	30	23	24	51	68	35	97	122	39	30	13	10	5	6	7	7	6	3	0	3	21	13	20	0	122
25	18	14	16	12	17	21	28	40	46	22	23	14	12	10	6	5	7	9	8	7	10	24	31	45	5	46
26	17	10	9	7	10	17	11	17	22	7	4	0	1	3	3	1	4	5	2	1	0	0	6	11	0	22
27	10	10	12	12	18	15	15	15	14	20	9979d	12	13	12	5	3	3	3	1	-1	1	4	19	9980b	-1	20
28	11	21	55	39	26	17	25	14	13	12	13	15	10	2	2	0	1	7	12	11	6	10	15	9980b	0	55
29	10	10	10	8	5	16	16	15	9	5	20	24	12	12	7	2	0	1	3	0	1	2	3	5	0	24
30	3	2	2	6	10	11	20	20	27	25	25	22	11	6	3	2	0	0	-1	0	0	-2	3	9	-2	27
31	9	7	6	5	6	8	11	10	7	6	6	8	10	9	7	6	1	-1	3	6	17	25	28	20	-1	28

Flags:

- b = Bad Condition - Invalid Hour (9980)
- d = Off-Line Part of Hour - Invalid Hour (9979)
- P = Power Failure - Valid Hour

Monthly: 21 Ave -13 615 Max

Wind Speed (PA16)

Station/Facility: PA16
Parameter: WS (MPH) Wind Speed
Month/Year: Aug 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	4.4	5.1	3.8	4.5	4.5	6.1	6.1	3.5P	2.4	4.3	5.4	7.2	7.4	6.0	4.6	2.8	3.3	3.2	3.6	5.0	5.1	4.3	4.6	3.8	2.4	7.4
02	4.8	5.1	5.7	5.7	4.5	6.1	5.9	2.3P	1.8	1.6	4.2	6.4	7.3	6.1	5.3	4.5	3.5	3.2	1.6	2.5	3.0	3.2	3.9	3.7	1.6	7.3
03	3.4	3.3	4.1	4.1	5.0	4.8	3.8	1.3P	1.5	3.5	6.3	7.5	5.8	6.1	4.2	2.7	2.5	2.3	2.0	1.4	4.7	6.8	6.1	5.4	1.3	7.5
04	5.3	5.1	5.3	5.3	4.8	4.9	4.6	2.2P	2.2	4.4	8.0	8.0	8.4	6.8	6.5	6.9	5.0	4.7	6.0	4.6	4.5	5.3	4.4	5.1	2.2	8.4
05	4.6	4.5	4.8	5.6	5.6	5.4	6.1	3.4P	6.5	9.7	12.3	10.3	11.3	8.4	5.2	5.0	6.5	7.7	3.9	3.9	3.9	3.7	4.9	4.1	3.4	12.3
06	2.7	3.9	3.9	3.5	3.4	3.0	5.8	3.3P	3.5	4.7	8.8	7.5	8.1	5.3	7.3	5.0	3.7	5.4	4.7	2.5	3.3	3.7	3.7	4.2	2.5	8.8
07	4.2	4.2	5.8	5.4	3.8	3.6	2.5	2.2P	3.1	5.4	8.9	9.3	7.4	6.1	5.7	5.0	5.0	4.5	3.1	5.3	3.4	2.8	4.1	2.7	2.2	9.3
08	5.7	4.8	2.3	3.0	4.3	3.4	6.9	8.5P	7.3	7.6	11.8	9.8	9.4	11.6	11.7	9.3	8.4	7.1	4.2	2.0	2.5	3.4	3.3	2.6	2.0	11.8
09	4.1	3.1	2.4	4.7	5.1	6.8	4.0	5.9P	6.7	8.3	7.4	10.9	15.0	12.5	10.6	8.9	7.3	6.3	5.9	3.4	3.6	3.8	4.9	3.5	2.4	15.0
10	3.5	4.0	4.7	4.0	2.5	3.3	2.5	1.9P	4.0	9.6	9.6	9.3	10.9	11.6	9.1	6.1	4.3	4.8	4.0	4.0	3.5	3.6	3.1	3.2	1.9	11.6
11	1.7	3.4	3.8	2.1	2.7	4.4	4.2	2.1P	4.8	7.5	9.3	8.7	7.8	4.8	3.3	4.9	3.2	3.4	3.4	2.3	3.4	3.4	2.5	3.5	1.7	9.3
12	3.2	3.9	3.0	4.1	4.2	4.1	4.2	2.7P	3.1	4.8	5.9	5.8	5.9	6.4	5.8	7.1	4.9	5.0	3.2	2.4	3.5	4.0	4.4	4.8	2.4	7.1
13	3.9	4.2	5.5	5.1	5.3	4.7	3.3	2.6P	2.3	2.9	6.0P	6.3	5.9	5.7	5.6	5.3	3.2	4.3	4.4	4.7	3.1	3.9	2.7	3.0	2.3	6.3
14	3.0	3.0	3.5	2.8	3.2	2.9	3.2	1.4P	1.9	3.2	4.6	4.4	5.7	4.9	3.9	2.8	3.2	2.9	2.5	3.2	3.3	3.0	1.6	2.7	1.4	5.7
15	1.4	3.1	4.8	5.7	6.6	5.1	5.3	4.6P	4.1	5.0	6.6	6.8	6.4	7.4	6.2	5.5	3.8	2.6	3.2	3.0	3.3	5.5	4.9	3.3	1.4	7.4
16	2.9	4.2	4.6	4.7	4.5	4.1	3.4	3.3P	3.8	3.2	5.6	8.8	7.3	8.6	7.6	4.3	3.3	3.9	3.6	3.8	3.1	2.1	3.0	3.8	2.1	8.8
17	3.3	4.2	5.2	4.7	3.3	3.3	3.4	1.3P	1.8	4.8	11.3	11.4	8.8	7.7	5.3	6.1	4.5	3.6	3.9	3.8	2.3	1.9	2.6	4.5	1.3	11.4
18	4.6	5.9	4.7	6.1	4.6	3.1	3.3	3.1P	3.5	3.7	6.8	6.0	4.9	4.7	2.8	4.0	2.9	2.8	3.6	3.3	3.0	3.4	6.4	4.2	2.8	6.8
19	3.9	3.6	4.2	3.9	4.3	3.4	4.5	3.7P	3.0	7.7	13.2	10.5	9.9	9.5	9.2	6.8	5.1	2.8	2.4	2.6	3.2	3.0	5.5	4.9	3.3	7.4
20	4.7	4.2	4.9	5.8	6.2	3.8	3.2	2.1P	3.8	8.0	9.2	9.4	6.5	7.1	6.2	5.7	4.2	4.5	3.5	3.6	4.9	5.8	6.2	7.3	2.1	9.4
21	5.5	4.8	5.7	4.0	4.3	4.3	3.6	3.2P	7.7	10.8	9.6	13.2	13.5	10.8	6.4	8.6	7.6	7.4	3.9	2.4	3.5	3.5	2.7	3.6	2.4	13.5
22	2.6	2.7	2.3	3.2	2.4	3.3	2.3	2.2P	3.7	9.2	11.2	10.4	8.1	9.1	10.1	8.7	9.8	6.8	3.7	3.5	4.0	3.4	3.3	9980b	2.2	11.2
23	4.9	5.3	5.4	5.5	5.3	5.9	4.4	3.1P	4.4	7.5	7.5	7.2	7.0	5.3	5.3	5.0	3.0	2.6	3.2	2.8	3.9	4.9	5.2	9980b	2.6	7.5
24	6.1	5.5	5.7	5.2	5.0	6.1	5.3	1.6P	3.1	6.4	5.9	8.5	6.1	4.2	3.9	3.6	3.9	3.3	3.4	3.5	3.9	4.7	3.7	3.4	1.6	8.5
25	4.2	3.3	4.7	5.6	4.4	4.0	5.2	3.0P	4.1	4.6	7.9	10.4	9.1	7.3	7.7	5.0	5.9	4.7	4.3	4.1	4.7	4.5	3.7	4.9	3.0	10.4
26	4.8	6.5	4.3	3.7	4.2	3.9	4.2	2.4P	3.2	8.3	9.6	8.4	6.4	5.4	4.4	5.6	3.8	2.6	2.0	3.8	4.0	4.3	5.6	3.7	2.0	9.6
27	4.5	4.4	4.7	4.6	5.9	5.6	4.9	1.4P	3.0	6.8	7.6	7.9	6.9	6.2	4.7	2.6	2.9	3.9	3.2	2.2	3.5	4.5	2.7	9980b	1.4	7.9
28	3.8	3.2	1.8	1.1	2.8	5.4	3.5	3.7P	2.3	3.0	3.6	5.9	4.5	3.5	3.4	2.2	2.4	2.9	3.8	3.4	3.8	4.9	4.9	9980b	1.1	5.9
29	4.7	4.1	3.8	5.7	4.4	4.7	4.0	2.8P	3.6	3.9	4.9	5.6	6.3	6.7	6.1	5.1	3.3	3.2	2.3	2.5	3.0	3.2	1.9	2.2	1.9	6.7
30	5.5	5.8	3.7	4.0	4.4	3.5	3.0	1.9P	3.0	2.2	3.0	4.1	5.8	5.4	5.3	5.0	3.7	3.0	1.7	2.0	2.3	3.7	4.9	4.6	1.7	5.8
31	4.2	5.4	4.6	5.0	4.6	3.7	4.3	1.8P	2.7	3.0	5.4	7.3	7.5	7.5	6.7	7.7	5.9	4.6	3.3	4.1	3.7	4.1	4.5	3.4	1.8	7.7

Flags: Monthly: Ave Min Max
 b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour
 4.8 1.1 15.0

Wind Direction (PA16)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: PA16
Parameter: WD (DEG) Wind Direction
Month/Year: Aug 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	310	316	282	300	286	288	314	265P	139	92	99	121	113	113	128	123	291	310	234	161	293	314	326	311
02	318	320	322	321	311	328	319	290P	127	224	144	106	104	103	146	146	122	132	257	304	302	286	324	312
03	302	310	317	318	328	324	318	204P	223	124	126	114	90	101	90	72	189	305	293	268	320	288	299	327
04	318	318	326	319	318	317	318	219P	172	134	101	104	106	108	120	122	134	234	254	285	237	325	307	306
05	299	310	298	309	260	148	181	210P	108	100	103	100	99	105	114	116	111	101	193	237	272	262	133	122
06	269	286	277	177	268	292	272	99P	83	94	102	103	105	108	109	106	107	77	106	201	116	139	103	143
07	244	215	153	171	287	282	245	255P	209	173	110	114	126	123	129	175	167	134	248	95	147	219	219	160
08	105	79	103	238	171	286	79	59P	85	91	100	103	104	98	97	96	96	93	123	213	162	236	254	222
09	268	170	197	199	221	200	119	59P	73	85	82	90	102	99	100	98	98	97	101	180	216	288	305	262
10	287	272	313	295	217	246	257	228P	190	110	110	105	99	100	100	100	196	219	92	105	247	279	273	257
11	227	149	54	83	299	252	296	239P	86	101	101	110	118	166	202	132	179	213	135	205	253	208	189	109
12	234	263	225	313	308	275	300	269P	117	104	102	100	102	114	119	111	98	99	111	261	285	228	313	319
13	297	297	318	316	320	300	299	242P	168	153	131P	137	154	149	129	106	103	244	249	308	254	311	256	294
14	245	247	322	290	309	307	308	281P	206	115	94	91	97	91	76	107	86	77	84	70	165	230	213	282
15	268	299	321	323	328	270	306	107P	103	96	101	105	99	108	110	111	146	223	219	250	286	319	326	288
16	305	327	330	307	321	313	297	223P	193	175	161	113	122	111	104	111	111	106	103	96	132	227	295	281
17	282	316	311	316	274	294	297	250P	196	208	105	106	106	115	123	106	119	103	92	103	223	174	225	281
18	188	278	259	282	197	282	262	127P	106	103	105	112	101	118	201	180	111	143	214	268	273	308	299	289
19	265	279	258	283	278	274	287	243P	218	157	109	101	97	98	99	99	93	95	135	285	293	281	188	293
20	309	309	313	272	159	162	192	161P	167	102	99	104	105	102	111	102	142	106	78	142	226	163	155	148
21	203	110	95	173	273	176	166	133P	88	95	89	99	101	108	114	95	104	104	122	226	242	254	282	292
22	277	277	291	311	196	303	172	269P	138	111	105	105	107	109	108	103	89	84	76	73	90	290	270	9980b
23	258	273	249	178	245	250	104	167P	114	106	106	103	107	102	97	103	94	99	116	259	281	330	322	9980b
24	322	317	319	319	321	320	321	288P	109	122	117	115	109	116	166	209	202	205	243	276	281	323	303	287
25	295	278	310	299	303	309	311	268P	185	187	101	101	101	123	110	137	216	220	248	276	282	321	284	303
26	317	187	284	299	283	270	211	225P	202	97	106	114	126	152	164	138	144	151	237	256	293	296	298	229
27	317	316	316	317	324	323	317	241P	172	105	107	113	104	110	134	140	81	102	140	274	291	323	304	9980b
28	278	189	230	228	222	269	223	74P	108	201	115	111	83	298	264	94	214	287	323	315	292	320	318	9980b
29	307	306	290	254	315	319	308	270P	200	156	119	125	117	116	129	132	143	151	209	259	157	277	198	104
30	127	280	294	324	322	306	292	205P	162	155	145	102	120	129	135	123	126	130	189	268	302	329	331	324
31	318	327	325	329	321	308	323	269P	187	191	121	116	121	134	121	111	125	108	226	255	278	119	316	293

Flags: Monthly Ave: 199

b = Bad Condition - Invalid Hour (9980)
P = Power Failure - Valid Hour

Monthly Matrix SO2 (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Aug 2008

		HOUR BEGINNING (Local Standard Time)																								Min	Max
Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max	
01	0	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02	0	0	0	0	0	0	0	0P 9995c	2C	0	0	0C 9995c	9995c	0	0	0	0	0	0	0	0	1	0	2	0	0	2
03	1	1	1	1	1	5	5P 9995c	3C	2	0	0	0	0	0	0	0	0	4	3	1	0	0	0	0	0	5	
04	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
05	0	0	0	0	0	0	0P 9995c	1C 9995c	0C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
06	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
07	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
08	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
09	0	0	0	0	0	0	0P 9995c	1C	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
10	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
11	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
12	0	0	0	0	0	0	0P 9995c	1C 9995c	0C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
13	0	0	0	0	0	0	0P 9995c	1C 14	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14		
14	0	0	0	0	0	0	0P 9995c	3C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
15	0	0	0	0	0	0	0P 9995c	2C	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
16	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
17	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1		
18	0	0	0	0	0	0	0P 9995c	1C	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
19	0	0	0	0	0	0	0P 9995c	1C 9995c	1C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
20	0	0	0	0	0	0	0P 9995c	1C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
21	0	0	0	0	0	0	0P 9995c	1C	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
22	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
23	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
24	0	0	0	0	0	0	0P 9995c	2C	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
25	0	0	0	0	0	0	0P 9995c	2C	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2		
26	0	0	0	0	0	0	0P 9995c	3C 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
27	0	0	0	0	0	0	0P 9995c	1C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
28	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
29	0	0	0	0	0	0	0P 9995c	2C	2	0	0	0	0	0	0	0	0	0	0	9978p	0	0	0	0	2		
30	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
31	0	0	0	0	0	0	0P 9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		

Flags: Monthly: Ave 0 Min 0 Max 14
 C = Calibration - Valid Hour
 c = Calibration - Invalid Hour (9995)
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly Matrix PM2.5 (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
 Month/Year: Aug 2008

Day	HOUR BEGINNING (Local Standard Time)																															Min	Max
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23									
01	3	2	5	6	3	1	0	4	6	4	3	3	4	3	2	1	0	-1	0	3	3	1	0	1	0	1	-1	6					
02	2	3	3	3	3	4	3	3	3	3	3	1	0	-1	1	3	3	3	3	3	3	4	5	6	6	6	-1	6					
03	8	7	5	6	7	7	9	17	5	2	-1	3	1	-1	1	1	1	2	3	2	2	4	3	1	1	1	-1	17					
04	3	5	4	6	4	2	3	2	-4	-3	1	2	3	3	2	0	3	3	2	3	3	3	4	3	3	3	-4	6					
05	4	6	5	2	2	1	1	4	4	3	1	2	4	7	5	2	3	4	4	2	2	-1	-1	-1	1	1	-1	7					
06	-1	0	0	0	2	2	4	6	6	7	6	3	2	1	0	-1	0	2	-1	1	3	3	3	3	3	1	-1	7					
07	0	3	4	3	4	3	3	2	3	3	2	5	6	3	0	0	-1	-1	2	2	4	4	2	1	1	-1	6						
08	3	5	2	1	3	3	3	3	4	5	4	3	3	5	6	6	4	2	4	6	7	8	6	6	6	1	8						
09	6	5	5	3	2	0	-1	4	6	5	7	6	5	6	7	6	3	5	4	3	2	3	8	8	8	-1	8						
10	5	4	4	5	4	1	3	4	4	6	6	7	10	8	3	2	2	2	2	4	6	3	2	3	1	1	10						
11	3	3	2	1	-1	-2	-1	0	3	2	0	1	3	3	2	4	3	1	0	2	2	6	5	2	-2	-2	6						
12	0	3	3	1	-1	1	4	3	5	5	2	2	4	7	3	2	3	4	3	2	0	1	2	4	4	-1	7						
13	6	7	7	5	2	1	4	5	3	3	5	9	7	9979d	2	-3	-6	-4	-5	-4	-2	0	-2	4	-1	7							
14	1	0	-2	-4	-4	-5	-1	-3	-3	-3	-1	0	-1	-3	-2	-1	2	1	2	3	-2	-1	-2	-2	-2	9							
15	-5	-1	0	-2	0	1	0	-1	-1	-2	-2	-1	-1	-3	-6	-6	0	2	0	1	-1	-2	-1	0	-6	2							
16	-3	-2	-1	-1	-2	-5	-6	-3	-1	-2	1	1	-1	2	1	-1	0	0	-1	-1	1	2	2	3	-6	3							
17	0	-1	-1	2	5	2	1	1	1	1	1	2	3	4	5	4	3	2	2	3	5	0	-1	1	-1	5							
18	3	5	3	2	1	0	2	3	-1	-1	1	5	4	2	0	1	1	2	1	2	0	0	3	2	-1	5							
19	1	0	1	3	1	-1	1	2	4	5	5	6	4	4	3	1	2	4	5	2	-1	2	4	4	-1	5							
20	3	6	6	6	5	2	0	1	1	1	3	3	3	3	3	1	2	1	1	5	3	1	2	2	0	6							
21	2	5	4	1	1	1	1	1	1	3	3	2	1	2	2	3	5	3	3	1	2	2	3	5	1	5							
22	2	1	3	2	1	-1	-1	1	-1	-2	1	3	4	2	4	3	2	2	2	1	2	3	2	0	-2	4							
23	2	5	1	-1	0	2	3	4	6	5	3	5	7	3	1	3	4	2	-1	0	3	4	4	5	-1	7							
24	3	1	1	3	3	3	4	5	4	3	4	0	-1	0	1	0	-1	0	3	1	0	2	0	-1	-1	5							
25	-1	1	1	-1	-1	2	0	0	3	3	4	8	6	6	4	2	3	6	5	2	4	4	2	1	-1	8							
26	3	3	3	2	1	1	4	3	2	3	5	4	5	3	3	5	5	4	3	3	2	3	4	3	1	5							
27	3	4	5	4	3	3	4	5	3	4	7	7	4	2	1	0	0	0	-3	0	0	0	-5	-6	-6	7							
28	-4	-1	-1	-2	0	0	-2	-3	-3	-2	-2	-1	-1	-2	2	2	0	2	0	1	0	1	1	-1	-4	2							
29	1	1	-1	0	1	-1	-3	2	2	-3	1	2	1	-2	-3	1	2	-1	0	0P	2	-5	-1	-1	-5	2							
30	-2	-1	-3	0P	-1	4	1	1	2	1	2	2	3	2	2	2	1	-2	-3	2	2	2	3	2	-3	4							
31	2	-1	-2	-4	-9	-6	-2	-2	0	-1	-3	-1	-2	-2	-4	-3	-1	-2	-2	-1	-2	-2	2	2	-9	2							

Flags:
 d = Off-Line Part of Hour - Invalid Hour (9979)
 P = Power Failure - Valid Hour

Monthly: 2 Ave -9 Min Max

Wind Speed (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WS (MPH) Wind Speed
Month/Year: Aug 2008

HOUR BEGINNING (Local Standard Time)																										
Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	3.3	2.7	3.9	3.8	3.3	3.7	3.3	2.7P	2.0	2.8	3.1	4.8	5.8	5.9	5.0	3.9	3.3	1.6	0.8	2.6	3.6	3.7	4.1	3.9	0.8	5.9
02	3.8	2.1	3.8	3.3	2.6	2.6	2.5	2.2P	2.5	3.4	4.1	4.9	6.0	6.1	5.3	4.4	3.3	2.8	1.4	1.6	2.9	2.1	2.1	1.1	1.1	6.1
03	1.0	2.4	3.0	2.1	0.9	0.7	2.0	1.8P	1.9	3.8	3.9	5.2	5.2	4.4	4.0	2.1	2.4	2.0	1.2	1.3	2.3	2.6	3.7	4.4	0.7	5.2
04	4.2	4.2	3.9	3.9	3.2	2.1	3.3	3.1P	2.7	2.7	5.2	5.4	5.2	5.3	4.9	5.2	4.4	4.2	2.8	1.4	1.2	1.3	1.7	1.9	1.2	5.4
05	1.6	1.5	1.9	2.5	2.6	2.2	1.9	2.1P	2.8	4.0	4.8	4.9	5.0	5.6	5.3	5.2	5.1	4.4	3.8	2.3	2.8	2.5	2.3	1.9	1.5	5.6
06	1.8	1.4	2.2	2.2	1.7	2.0	2.9	2.9P	2.7	3.2	4.7	3.9	4.4	4.2	3.3	4.7	3.5	2.9	3.1	4.0	3.7	3.6	4.0	3.2	1.4	4.7
07	2.8	3.4	2.7	3.0	2.9	2.2	4.0	3.9P	4.5	4.9	5.2	4.9	5.1	5.9	5.1	4.6	5.0	3.5	3.5	1.9	2.2	2.8	2.7	1.9	1.9	5.9
08	2.1	2.7	1.5	2.1	1.9	2.6	3.1	2.6P	2.9	3.1	4.5	5.1	5.0	4.7	4.9	5.8	4.7	4.6	3.0	2.8	2.4	2.5	2.6	2.2	1.5	5.8
09	2.0	1.9	1.9	3.1	3.0	3.5	3.8	2.9P	3.1	3.6	4.0	3.5	4.3	4.7	4.6	5.0	4.8	4.1	2.8	1.4	1.7	1.3	2.5	3.3	1.3	5.0
10	2.4	3.5	2.7	3.6	2.9	1.8	1.4	1.7P	3.2	3.7	4.3	5.0	4.9	5.5	6.1	4.0	2.3	1.7	1.7	1.5	1.5	2.7	3.5	3.9	1.4	6.1
11	3.1	2.6	2.5	2.1	2.3	2.2	2.2	2.0P	3.0	4.3	3.8	3.8	3.5	3.8	4.8	4.8	3.9	4.4	2.5	2.8	3.0	2.8	2.3	1.9	1.9	4.8
12	2.1	2.7	2.6	3.7	3.0	2.7	3.5	3.3P	2.4	3.2	4.2	5.2	4.9	5.2	5.3	5.3	4.5	4.5	2.2	1.6	2.0	1.9	2.5	3.5	1.6	5.3
13	3.4	3.8	4.0	5.1	5.0	4.7	3.9	3.1P	2.2	3.2	3.9	4.2	4.3	5.0	4.7	3.6	3.7	2.3	1.9	2.0	1.7	3.0	2.3	2.5	1.7	5.1
14	3.3	1.5	3.1	4.0	3.0	2.3	2.1	2.3P	3.9	1.9	2.5	3.0	3.7	4.1	1.8	1.3	3.0	3.2	1.1	1.9	2.5	2.5	2.3	1.8	1.1	4.1
15	1.8	1.7	2.2	3.6	2.9	3.2	3.8	3.2P	1.7	3.6	3.7	4.2	4.9	5.3	3.8	4.4	4.0	4.1	3.1	1.9	1.4	2.0	2.4	3.2	1.4	5.3
16	2.6	1.9	2.2	1.8	2.2	3.0	2.4	2.9P	2.9	4.5	4.4	4.6	4.8	5.2	3.8	3.8	3.0	1.9	1.8	2.0	2.4	2.8	1.5	2.2	1.5	5.2
17	2.3	2.2	1.8	2.0	3.4	2.8	2.3	2.1P	3.0	3.7	3.6	5.3	5.4	5.0	4.5	4.7	4.5	3.8	3.1	1.8	1.5	1.6	1.5	1.8	1.5	5.4
18	1.9	2.5	3.2	3.3	3.3	5.1	4.1	3.6P	2.7	3.5	4.4	4.2	5.4	5.3	4.6	4.3	4.3	3.6	2.0	1.6	1.8	1.6	2.2	1.8	1.6	5.4
19	2.1	1.7	1.9	1.8	2.1	1.5	1.7	1.8P	5.2	5.1	5.1	5.4	4.7	4.4	5.3	5.0	4.4	3.5	2.6	1.8	2.2	2.8	2.9	2.1	1.5	5.4
20	2.1	2.6	3.2	3.1	3.7	3.2	2.6	2.3P	2.7	3.1	4.0	4.6	5.1	5.6	5.1	5.1	2.7	3.2	1.2	1.1	1.3	1.6	2.0	2.4	1.1	5.6
21	2.6	2.9	2.4	2.0	2.9	4.1	4.0	3.5P	3.9	4.1	4.7	4.7	5.1	6.3	5.5	3.7	4.0	3.8	2.7	1.2	1.5	1.2	1.6	2.5	1.2	6.3
22	2.0	2.2	1.9	2.4	2.7	2.8	2.2	2.3P	3.4	3.9	5.3	4.8	5.3	6.6	5.4	4.1	2.8	2.6	1.8	1.6	1.6	2.3	2.7	3.5	3.4	6.6
23	3.5	5.0	5.2	5.5	6.1	5.5	5.0	4.1P	1.5	2.4	3.4	4.4	6.3	5.4	5.6	5.6	4.6	3.7	1.9	2.5	3.4	3.4	3.4	1.7	1.5	6.3
24	3.8	3.7	4.4	3.1	3.2	5.3	5.3	4.1P	3.1	3.5	4.9	4.5	5.0	4.2	4.0	4.7	5.1	4.9	2.9	2.0	3.5	2.7	2.4	1.9	1.9	5.3
25	2.4	2.2	3.0	1.9	2.1	2.2	2.6	3.0P	3.9	5.0	4.4	5.0	6.0	5.9	5.9	5.0	5.3	4.5	3.5	2.1	2.0	2.4	2.8	2.5	1.9	6.0
26	3.4	2.9	3.4	4.2	3.6	2.2	2.1	2.9P	4.5	1.7	2.7	5.3	6.4	5.6	4.4	4.8	4.3	3.7	2.9	1.3	0.5	0.8	1.4	2.1	0.5	6.4
27	3.0	3.5	2.8	4.0	4.2	3.9	4.1	3.0P	2.0	2.1	3.0	4.8	4.7	5.3	4.7	5.0	5.1	4.1	2.2	1.2	1.8	1.7	2.5	1.4	1.2	5.3
28	2.7	2.5	3.8	2.8	4.0	2.9	4.4	4.8P	4.5	3.8	4.1	4.9	5.1	5.8	5.8	3.5	3.6	3.3	2.1	1.6	2.1	2.9	2.9	4.0	1.6	5.8
29	4.8	5.7	5.1	4.1	3.9	3.3	3.8	3.1P	2.5	3.5	3.5	3.6	4.6	4.9	5.3	4.4	4.4	3.4	0.0	9978p	0.9	1.4	3.5	3.4	0.0	5.7
30	3.8	3.5	3.0	2.2	2.8	3.6	3.7	3.1P	2.7	3.0	4.0	3.9	3.8	3.8	3.6	3.2	3.9	2.6	1.8	1.3	1.9	2.6	3.0	2.6	1.3	4.0
31	2.6	3.4	4.2	4.2	3.6	2.7	2.2	1.9P	3.9	3.9	5.0	5.6	3.8	4.0	5.0	4.0	3.7	3.6	3.1	1.7	1.2	1.2	1.2	1.2	1.2	5.6

Flags: Monthly: Ave 3.3 Min 0.0 Max 6.6

P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Wind Direction (MV17)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: MV17
Parameter: WD (DEG) Wind Direction
Month/Year: Aug 2008

		HOUR BEGINNING (Local Standard Time)																									
Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
01	260	254	263	254	264	260	263	275P	134	93	80	68	68	73	70	66	63	103	254	197	280	264	272	271			
02	264	241	258	261	263	264	261	258P	140	89	84	75	76	67	72	77	68	64	159	262	255	253	261	268			
03	276	267	256	256	187	257	258	218P	121	61	67	96	82	85	85	84	85	129	77	192	273	255	257	259			
04	255	258	260	260	261	262	261	268P	290	88	71	75	78	79	78	66	73	57	67	281	284	276	270	264			
05	271	279	274	265	276	268	260	206P	224	115	72	73	86	74	76	71	62	68	67	148	218	263	197	290			
06	264	232	224	278	281	270	263	255P	273	149	65	126	176	162	85	68	103	235	214	258	260	275	273	269			
07	272	273	272	251	262	233	273	278P	214	80	104	123	87	67	75	86	159	74	73	207	278	274	259	270			
08	260	178	229	173	236	276	269	262P	173	269	94	69	69	70	74	70	79	67	74	116	245	297	272	272			
09	256	286	284	227	269	275	271	256P	277	95	98	81	84	93	76	72	65	65	105	287	274	280	192	264			
10	266	271	272	255	288	276	223	227P	182	137	89	66	76	67	63	81	99	269	266	278	262	197	271	280			
11	257	277	282	272	280	244	269	266P	223	80	86	180	233	118	85	128	244	116	230	230	271	269	270	280			
12	283	270	253	261	270	287	278	280P	242	87	71	73	80	73	77	74	72	63	110	267	288	279	267	260			
13	258	252	254	256	253	253	249	247P	265	93	78	85	73	69	69	70	71	50	147	243	261	277	229	282			
14	266	263	269	267	268	258	209	250P	278	249	185	196	109	101	116	164	162	255	255	293	272	269	263	299			
15	289	276	271	259	254	257	263	266P	267	86	80	81	66	70	74	84	70	105	163	230	271	188	211	278			
16	273	268	235	273	234	281	280	280P	281	229	160	137	69	65	76	239	125	255	271	277	255	276	266	273			
17	274	213	271	252	272	268	275	277P	187	199	116	64	74	61	64	72	62	59	58	157	302	301	297	281			
18	260	266	269	243	120	248	243	253P	219	142	92	85	74	99	80	73	67	62	163	275	231	271	271	267			
19	278	292	276	247	299	266	257	257P	160	114	78	108	81	79	67	65	66	67	76	289	266	267	256	259			
20	266	266	255	263	254	261	269	258P	120	90	93	102	80	78	72	70	117	117	290	295	275	269	263	267			
21	263	273	259	219	262	220	274	269P	124	152	106	88	70	67	89	250	88	71	99	256	269	165	261	273			
22	277	274	260	222	216	268	240	255P	228	181	79	73	73	70	66	64	135	100	175	277	257	285	270	269			
23	259	264	259	255	255	255	250	246P	204	143	118	87	76	81	76	76	80	63	143	280	258	260	251	179			
24	273	271	259	247	260	259	257	264P	98	90	65	102	84	145	115	76	63	73	188	277	168	267	266	260			
25	271	284	277	267	220	263	259	209P	166	73	68	64	75	67	70	71	67	65	69	247	278	271	278	271			
26	261	259	253	257	265	246	149	209P	275	206	119	83	74	76	74	73	74	61	54	258	291	202	258	258			
27	274	257	253	246	256	255	263	248P	160	105	65	69	74	72	79	77	70	63	60	291	257	261	156	293			
28	277	259	261	246	264	252	268	269P	270	278	114	69	68	79	66	74	61	57	108	244	264	264	266	251			
29	208	256	268	264	253	229	256	264P	158	86	76	87	84	68	72	77	73	63	0	9978p	275	231	99	267			
30	257	267	227	189	220	270	274	273P	262	123	106	128	103	78	78	72	77	59	129	282	261	258	258	252			
31	254	267	262	265	257	250	258	247P	130	81	90	110	135	66	59	72	66	72	96	220	269						

Flags:

P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly Ave: 188

Monthly Matrix PM2.5 (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
 Month/Year: Aug 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max	
01	7	6	5	4	5	4	5	7	5	6	6	5	7	6	6	8	5	1	3	6	6	6	6	5	5	1	8
02	6	7	6	4	6	8	6	5	7	7	6	6	5	3	4	4	3	4	7	7	6	8	9	7	19	3	19
03	14	15	14	12	11	8	8	8	7	7	6	5	4	4	4	5	4	1	5	5	8	7	9978p	9978p	9978p	1	15
04	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5	1	2	5	6	7	8	7	6	5	8	9	8	8	9	6	5	8	1	9
05	7	7	9	11	8	4	6	6	5	8	9	4	4	5	5	4	4	5	7	6	3	3	2	1	1	11	
06	3	8	7	6	7	7	9	7	6	3	4	5	2	4	4	4	2	1	3	6	6	4	2	3	5	1	9
07	5	6	7	6	4	4	2	5	7	4	5	7	7	6	5	4	4	4	7	6	6	2	2	5	7	2	7
08	5	5	5	5	6	7	5	7	5	3	7	8	9	9	6	6	5	5	7	8	10	9	8	7	3	10	
09	5	7	6	4	7	9	7	6	1	4	8	6	6	8	10	8	5	6	9	9	9	10	10	8	1	10	
10	5	5	7	3	3	4	5	6	6	9	9	6	6	8	8	7	6	5	6	4	7	11	8	6	3	11	
11	3	4	5	1	4	6	7	5	5	5	5	5	5	5	4	1	1	2	1	2	5	5	6	6	1	7	
12	7	7	7	6	3	3	4	3	4	5	7	10	7	5	6	7	10	8	5	6	7	8	11	10	3	11	
13	7	9	9	8	5	6	10	8	5	7	7	3	4	3	2	4	5	4	2	1	2	2	2	3	1	10	
14	3	2	4	5	3	5	6	4	4	8	8	6	6	5	5	5	5	8	7	8	11	10	9	10	2	11	
15	8	8	7	5	10	9	8	6	5	5	7	8	5	5	5	5	7	7	5	5	7	8	8	7	5	10	
16	6	7	5	3	2	3	6	6	5	6	8	7	5	4	3	5	8	8	7	5	6	9	5	3	2	9	
17	7	5	5	5	4	5	6	6	6	6	5	7	8	6	5	5	7	6	7	8	11	14	11	9	4	14	
18	7	6	7	5	6	9	8	4	3	3	4	2	1	3	2	1	2	1	1	5	6	8	8	8	1	9	
19	9	8	8	6	8	8	8	5	7	10	8	7	5	3	4	4	4	4	4	5	3	7	8	5	3	10	
20	8	8	6	6	8	6	5	5	7	5	3	7	7	6	7	6	5	6	7	7	6	6	9	7	3	9	
21	6	6	7	6	6	7	7	5	1	1	4	3	3	3	2	1	-1	-2	1	1	1	2	1	0	-2	7	
22	1	3	-1	-1	-1	2	2	-1	-1	1	0	1	3	2	2	2	4	5	3	4	3	2	4	6	-1	6	
23	7	4	4	5	3	2	2	3	2	2	3	3	4	5	5	4	3	3	5	5	5	5	4	4	2	7	
24	2	5	5	2	4	5	4	6	4	2	3	1	1	0	-2	2	4	1	2	2	2	2	1	2	-2	6	
25	1	1	2	1	1	1	1	3	4	2	4	6	5	5	3	4	4	2	2	5	4	4	8	5	1	8	
26	2	-3	-3	3	1	-2	-2	2	0	2	6	4	5	5	5	7	7	4	7	5	5	9	10	8	-3	10	
27	6	6	5	5	5	3	4	6	6	4	5	6	5	2	2	9979d	9979d	4	4	3	4	5	4	2	2	6	
28	4	3	2	4	2	3	4	3	2	4	5	4	2	3	2	1	6	6	5	6	8	9	10	6	1	10	
29	2	3	2	1	3	3	5	6	4	5	5	0	1	7	7	3	-2	-1	4	6	4	4	4	5	-2	7	
30	5	2	2	2	2	3	3	5	5	4	3	3	7	6	2	4	5	5	6	6	6	6	7	6	5	2	7
31	7	5	3	2	4	6	4	1	1	2	4	1	-1	1	1	2	4	5	4	4	4	4	5	5	-1	7	

Flags:

- d = Off-Line Part of Hour - Invalid Hour (9979)
- p = Power Failure - Invalid Hour (9978)

Monthly: Ave 5 Min -3 Max 19

Wind Speed (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WS (MPH) Wind Speed
Month/Year: Aug 2008

HOUR BEGINNING (Local Standard Time)

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Min	Max
01	4.1	4.3	4.2	4.0	4.3	4.0	4.1	3.6P	2.0	3.5	5.7	5.4	6.1	5.2	4.2	4.0	2.8	1.6	1.8	3.1	4.2	4.2	4.2	3.9	1.6	6.1
02	3.6	2.6	2.9	2.5	2.7	2.9	2.7	2.6P	1.6	3.1	4.9	5.4	5.4	5.5	5.1	4.1	3.0	2.3	1.4	2.2	2.6	2.5	2.7	2.2	1.4	5.5
03	2.3	3.2	3.0	2.5	1.9	3.0	1.5	1.1P	2.1	3.1	2.7	2.6	4.4	2.9	2.2	2.7	2.1	1.9	1.2	2.3	2.5	9978p	9978p	9978p	1.1	4.4
04	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5.3P	4.3	1.9	1.6	2.9	3.7	4.8	4.5	3.8	4.3	3.3	2.0	4.0	4.1	4.6	4.6	4.0	1.6	5.3
05	4.1	3.1	3.6	4.4	3.9	2.7	3.4	2.5P	1.9	2.7	4.5	4.3	4.8	5.6	5.0	4.4	4.6	2.9	2.9	2.5	2.5	4.1	2.7	2.7	1.9	5.6
06	2.5	2.4	2.7	3.1	4.1	3.8	3.6	3.3P	2.5	3.1	6.1	3.5	4.1	2.8	2.3	5.0	4.7	4.4	3.8	3.5	6.3	6.7	5.4	3.6	2.3	6.7
07	4.0	4.1	4.0	3.8	4.1	4.3	6.2	5.1P	2.7	4.3	4.2	4.0	4.2	5.8	5.4	5.2	3.0	4.1	3.0	3.3	2.9	4.9	5.1	3.2	2.7	6.2
08	2.6	3.8	2.5	2.8	2.9	4.6	4.3	3.0P	2.9	3.3	2.2	2.9	3.3	3.9	4.7	6.1	5.1	4.9	2.5	2.1	2.6	3.4	2.7	2.7	2.1	6.1
09	4.4	3.5	2.9	3.6	4.0	4.6	4.8	2.6P	2.6	3.2	3.6	3.6	3.5	4.5	5.7	3.8	3.4	3.0	1.9	3.0	2.7	2.8	4.4	4.2	1.9	5.7
10	3.3	3.8	2.5	3.5	4.2	3.5	2.9	3.2P	2.5	3.6	6.2	4.7	5.3	5.0	5.1	6.5	4.7	3.8	2.5	2.5	2.4	2.2	2.4	3.3	2.2	6.5
11	4.1	3.3	4.4	4.7	5.2	4.1	3.0	1.6P	2.5	5.0	5.5	6.0	4.2	3.6	5.7	4.5	4.1	2.7	1.9	3.9	5.2	6.7	4.5	4.3	1.6	6.7
12	3.8	2.7	2.9	3.5	3.7	6.3	5.0	4.1P	2.7	1.8	4.2	4.5	5.2	5.1	5.0	4.6	5.0	2.7	1.9	2.0	2.7	3.0	2.8	2.5	1.8	6.3
13	3.3	3.8	3.7	3.8	4.0	3.7	3.9	2.0P	1.4	3.5	4.5	4.8	5.3	4.9	3.1	3.2	2.4	1.5	3.2	2.2	3.3	2.7	3.1	2.8	1.4	5.3
14	2.5	2.5	2.8	2.9	2.4	2.6	1.8	3.0P	3.1	2.2	5.0	2.1	2.0	2.1	2.6	4.7	3.1	3.7	2.4	3.3	3.4	2.8	2.5	2.4	1.8	5.0
15	2.4	2.3	2.5	2.7	3.3	3.9	3.8	3.4P	1.9	3.7	3.1	5.1	4.6	5.8	4.5	3.5	3.0	2.4	2.8	3.9	3.2	4.1	4.6	3.6	1.9	5.8
16	3.3	3.9	3.7	3.3	3.5	4.5	4.3	4.8P	3.9	2.8	4.6	5.3	6.6	4.1	2.6	2.7	4.6	4.2	3.2	4.1	3.2	2.7	3.9	3.3	2.6	6.6
17	4.2	3.6	3.0	3.4	3.3	3.6	2.8	2.4P	2.6	2.8	4.9	4.2	3.7	4.5	4.1	3.8	3.7	3.3	2.2	1.4	2.0	2.0	2.3	3.1	1.4	4.9
18	1.9	2.9	3.3	3.3	2.8	4.9	3.5	4.1P	3.2	2.4	3.6	4.7	7.4	2.8	4.0	4.6	3.7	3.1	1.7	2.9	4.1	3.2	3.2	3.0	1.7	7.4
19	2.5	3.0	2.7	3.5	3.3	5.1	4.3	3.8P	4.3	4.9	5.4	5.0	5.3	4.7	4.9	4.3	4.3	2.9	1.7	1.8	2.7	3.4	3.4	3.3	1.7	5.5
20	2.9	2.8	2.9	3.0	3.5	3.7	3.7	2.4P	2.1	3.1	3.5	5.4	5.3	4.9	5.5	5.5	3.3	2.4	1.7	1.8	2.7	3.4	3.2	2.9	1.7	5.4
21	4.0	4.3	3.7	4.2	6.4	5.8	2.8	2.3P	4.0	3.5	3.8	4.5	6.8	7.7	4.6	2.1	3.3	2.9	1.4	1.1	2.3	2.8	3.4	2.9	1.1	7.7
22	2.9	3.2	1.7	4.4	3.0	3.7	3.2	3.5P	4.7	3.2	4.2	5.5	5.3	7.1	3.5	4.3	2.2	2.7	1.4	2.4	3.1	3.2	3.8	3.2	1.4	7.1
23	3.6	3.8	4.3	4.6	4.8	5.1	4.8	3.8P	2.1	4.2	4.3	5.5	5.2	6.0	6.0	5.7	4.4	2.9	2.3	2.7	2.5	2.3	3.1	2.7	2.1	6.0
24	4.4	3.6	2.4	3.1	3.6	3.8	3.8	3.0P	3.2	4.0	4.9	5.8	5.7	4.2	5.3	4.5	4.2	3.3	1.8	2.3	2.5	1.8	3.0	1.6	1.6	5.8
25	1.7	4.9	4.5	3.9	2.8	4.2	4.1	1.8P	2.1	6.0	5.1	5.5	6.3	5.6	5.4	5.2	4.0	2.9	2.2	3.7	4.5	5.0	4.9	4.6	1.7	6.3
26	3.7	3.4	3.1	3.4	3.3	2.5	1.4	5.2P	5.0	2.4	3.6	3.8	4.0	4.3	3.9	4.1	4.0	3.0	1.6	2.6	1.9	2.0	2.4	2.2	1.4	5.2
27	2.5	3.0	3.4	3.5	3.5	3.8	3.8	2.9P	2.1	3.5	3.6	4.5	5.1	5.8	5.5	5.4	5.0	3.5	1.8	2.4	2.4	2.7	2.8	3.6	1.8	5.8
28	3.2	2.3	3.9	4.2	3.7	2.7	4.3	4.6P	6.1	4.0	4.4	5.2	5.1	5.3	5.9	5.3	3.9	2.1	2.2	4.3	5.0	4.2	3.7	3.4	2.1	6.1
29	3.8	4.3	4.6	3.2	3.0	2.7	3.5	2.6P	2.1	3.1	3.2	4.5	5.3	6.1	5.3	4.9	4.6	3.6	2.1	1.9	2.6	3.8	2.2	4.1	1.9	6.1
30	3.3	2.7	2.6	2.2	1.9	2.4	5.2	3.7P	1.9	3.0	3.9	3.5	5.7	5.5	5.3	4.2	3.4	2.6	2.0	3.0	3.6	3.2	3.2	3.2	1.9	5.7
31	3.5	4.9	3.5	3.8	2.5	2.5	2.8	2.0P	2.4	3.6	3.5	4.2	5.1	6.7	5.1	4.1	3.6	2.5	2.5	3.2	3.5	4.0	4.3	3.5	2.0	6.7

Flags: P = Power Failure - Valid Hour Monthly: 3.6 1.1 7.7
 p = Power Failure - Invalid Hour (9978) Ave Min Max

Wind Direction (HL11)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: HL11
Parameter: WD (DEG) Wind Direction
Month/Year: Aug 2008

Day	HOUR BEGINNING (Local Standard Time)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	261	257	258	261	262	262	260	260P	256	79	70	66	59	51	51	53	49	41	265	222	259	268	270	257
02	265	256	263	265	265	260	260	254P	164	107	69	59	52	51	48	45	55	48	25	269	269	274	277	264
03	259	268	263	260	257	273	257	194P	65	68	32	323	112	120	92	294	311	60	317	264	266	9978p	9978p	9978p
04	9978p	9978p	9978p	9978p	9978p	9978p	9978p	268P	273	165	266	45	49	56	50	45	46	50	354	276	275	275	276	268
05	264	267	266	272	265	267	268	263P	275	49	65	57	54	56	49	44	49	36	69	21	253	287	266	269
06	267	279	256	273	272	270	261	261P	287	39	65	42	272	0	57	81	298	266	246	257	280	281	275	268
07	265	270	268	269	269	291	278	275P	336	76	69	56	61	76	63	67	21	106	351	279	255	280	283	272
08	259	280	255	254	264	275	273	288P	287	272	82	65	49	46	53	60	62	59	348	333	304	277	266	269
09	278	271	267	269	242	268	275	260P	318	69	56	65	51	59	60	38	45	50	26	284	261	299	278	274
10	248	266	267	260	266	266	266	282P	2	46	74	62	57	49	56	61	52	284	300	270	261	354	266	271
11	301	274	279	276	278	271	267	274P	47	57	63	74	359	52	64	30	317	19	161	275	282	279	275	270
12	266	253	267	248	288	278	274	271P	305	305	68	55	60	50	53	52	59	40	22	260	261	260	264	266
13	261	259	262	262	262	265	270	263P	285	66	69	59	66	61	54	71	74	71	284	270	259	259	278	254
14	264	248	239	263	269	256	229	238P	243	175	96	174	245	172	227	297	290	275	252	267	270	260	265	264
15	263	262	266	262	265	261	259	261P	243	50	76	55	59	53	52	59	25	46	339	286	281	320	297	271
16	267	273	301	272	267	283	292	275P	278	343	324	60	62	53	51	50	8	275	264	276	264	264	284	263
17	274	268	263	270	266	270	265	266P	8	39	66	54	54	54	45	51	61	59	43	292	264	262	264	267
18	264	260	269	269	233	268	290	282P	248	276	74	58	62	68	42	63	57	47	336	272	274	263	273	267
19	265	265	265	268	268	276	275	281P	3	68	62	59	66	57	61	45	56	44	4	266	265	264	260	260
20	264	266	265	262	264	260	261	271P	162	73	102	55	47	48	60	61	47	39	31	300	274	267	261	264
21	264	268	256	298	283	279	257	264P	308	45	59	56	70	69	50	36	60	52	1	268	272	303	293	275
22	290	290	285	274	264	272	266	295P	292	22	53	65	52	69	20	46	44	55	353	264	264	237	259	263
23	256	257	261	264	263	257	256	256P	112	89	82	55	47	57	57	57	50	47	324	270	264	302	257	205
24	255	264	262	260	262	259	259	262P	73	50	47	69	74	50	71	61	65	53	330	318	50	304	271	240
25	263	275	279	284	286	276	283	353P	354	66	54	54	53	49	56	53	44	18	352	292	286	279	276	275
26	266	260	260	261	263	270	263	275P	273	269	72	59	53	57	60	48	60	51	40	286	259	266	260	265
27	260	259	259	261	263	261	260	255P	184	130	49	52	50	51	56	54	53	53	10	287	273	268	21	292
28	268	254	271	275	289	301	251	267P	276	301	73	66	57	51	60	65	57	34	330	278	276	270	268	262
29	237	263	256	267	260	256	260	255P	324	50	47	55	50	60	59	58	62	58	42	324	303	12	293	267
30	266	266	265	244	260	266	276	276P	283	87	56	66	59	58	67	59	45	53	337	273	271	267	262	264
31	264	285	265	271	263	261	263	261P	5	73	17	51	52	64	51	42	45	42	315	284	276	303	276	270

Flags:

P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Monthly Ave: 190

Monthly Matrix SO2 (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Aug 2008

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
01	0	0	0	1	2	2	1	2P	5	2	9995c	10	12	8	14	7	7C 9995c	1C	-1	0	2	1	1	-1	14	
02	0	-1	0	0	0	-1	-1	0P	-1	0	9995c	15	29	39	30	26	27	16	15	15	4	3	6	-1	39	
03	9	6	7	10	8	13	15	14P	20	19	9995c	21	20	28	40	43	63	66	59	34	25	22	14	11	6	66
04	10	12	11	16	19	14	15	13P	19	17	9995c	17	31	43	56	53	36	20	14	13	6	6	10	9	6	56
05	13	25	30	17	7	9	21	25P	44	34	9995c	18	14	9995c	20	25	15	16	15	7	7	15	19	26	7	44
06	22	19	23	16	16	17	15	16P	18	18	9995c	18	21	26	20	16	14	7	6	7	4	2	4	5	2	26
07	5	13	17	15	13	8	10	12P	22	19	9995c	20	16	12	20	18	11	5	3	1	1	1	0	0	0	22
08	0	2	3	3	3	2	1	0P	0	1	9995c	12	13	14	17	19	32	49	42	23	8	7	8	5	0	49
09	9	9	8	9	6	7	9	18P	17	20	9995c	25	33	36	47	56	41	43	36	29	20	12	8	11	6	56
10	11	13	12	10	10	14	18	16P	16	23	9995c	26	24	26	23	18	13	9	6	4	3	4	5	5	3	26
11	5	4	5	8	6	11	7	5P	23	16	9995c	14	18	20	14	8	12	10	8	7	7	8	9	9	4	23
12	9	2	-1	0	2	0	0	0P	5	20	9995c	24	20	9995c	15	18	26	23	22	17	13	11	12	21	-1	26
13	12	11	19	11	5	2	4	4P	12	14	9995c	15	23	14	4	2	2	2	2	0	0	0	1	0	0	23
14	1	1	2	4	1	1	2	2P	1	1	9995c	4	4	5	8	10	9	8	4	6	6	5	3	3	1	10
15	4	3	5	4	4	4	4	5P	13	9	9995c	11	8	10	18	16	15	13	11	8	6	3	3	3	3	18
16	4	3	2	2	1	4	1	1P	3	5	9995c	6	1	0	-1	0	1	1	1	2	3	2	0	0	-1	6
17	-1	-1	-1	-1	-1	-1	-1	-1P	-1	-1	9995c	0	0	0	19	46	41	17	2	8	12	10	10	7	-1	46
18	8	4	3	1	1	0	1	1P	2	2	9995c	2	1	0	-1	0	0	0	2	2	2	3	4	4	-1	8
19	0	-1	-1	-1	-1	-1	-1	-1P	1	1	9995c	8	21	9995c	40	48	49	43	30	19	15	20	19	-1	49	
20	15	10	8	7	5	5	5	6P	14	11	9995c	13	16	15	15	13	14	16	13	7	7	3	4	5	3	16
21	4	5	7	8	2	2	2	3P	6	8	9995c	10	11	14	26	22	30	40	46	32	20	12	12	10	2	46
22	8	6	5	5	4	8	10	13P	20	18	9995c	8	1	9	29	29	32	29	21	10	3	2	4	9980b	1	32
23	2	2	1	0	2	2	3	4P	25	32	9995c	18	17	12	12	17	22	31	17	12	12	9	3	2	0	32
24	2	2	2	2	1	3	2	3P	5	8	9995c	14	12	6	18	48	45	35	25	21	16	18	4	4	1	48
25	3	3	3	3	8	16	24	19P	21	16	9995c	20	30	25	26	40	36	30	27	24	18	16	18	30	3	40
26	20	22	23	25	36	32	26	43P	67	50	9995c	56	37	9995c	37	67	47	28	20	11	10	9	11	12	9	67
27	23	18	16	17	17	17	16	19P	20	16	9995c	15	18	16	14	17	21	26	25	8	9	3	3	15	3	26
28	10	2	3	2	3	2	1	3P	10	13	9995c	12	49	25	16	16	17	14	17	11	7	7	5	3	1	49
29	1	1	2	2	3	2	2	5P	7	7	9995c	16	22	28	18	8	10	11	10	11	14	11	8	10	1	28
30	10	12	16	13	11	9	5	3P	8	7	9995c	8	7	6	3	0	0	0	-1	-1	1	3	4	3	-1	16
31	5	2	1	1	2	2	1	2P	4	3	9995c	6	8	12	14	14	10	9	7	4	7	12	10	5	1	14

Flags: Monthly: Ave Min Max
 b = Bad Condition - Invalid Hour (9980)
 C = Calibration - Valid Hour
 c = Calibration - Invalid Hour (9995)
 P = Power Failure - Valid Hour

Monthly Matrix PM2.5 (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: **KN12**
 Parameter: **PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3**
 Month/Year: **Aug 2008**

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
01	11	8	7	8	13	19	21	18	22	20	14	18	18	19	12	24	15	16	11	8	4	4	6	16	4	24
02	13	19	15	19	20	15	14	13	11	10	12	13	25	33	36	35	33	31	25	29	30	35	25	31	10	36
03	35	36	29	27	25	29	32	32	33	37	37	47	46	48	52	55	60	63	62	64	53	57	61	55	25	64
04	32	42	47	39	47	41	39	32	34	36	34	31	33	35	40	43	42	32	30	20	26	26	37	36	20	47
05	36	37	42	39	40	29	26	40	41	43	34	31	25	22	20	28	26	25	26	23	27	29	37	34	20	43
06	46	38	42	42	32	32	38	33	32	22	19	19	27	30	28	24	21	17	14	14	13	12	11	13	11	46
07	26	22	27	33	29	23	16	19	17	28	33	29	25	18	18	28	25	22	14	13	11	7	6	10	6	33
08	12	13	16	16	19	14	21	10	11	11	7	7	12	19	14	23	27	35	46	41	41	30	31	27	7	46
09	32	31	29	29	29	24	25	25	34	31	33	32	30	40	41	44	55	41	47	42	50	38	39	39	24	55
10	37	38	34	39	37	36	39	39	37	34	36	38	36	36	36	31	30	27	22	24	11	13	24	24	11	39
11	26	26	20	22	14	13	12	20	18	16	12	13	14	19	15	10	10	11	16	14	17	20	20	15	10	26
12	18	18	10	7	4	6	11	9	16	11	13	14	17	23	20	21	19	30	30	32	33	31	29	24	4	33
13	33	28	30	27	24	21	17	20	21	23	32	27	15	18	22	17	8	11	12	13	13	13	14	21	8	33
14	14	18	19	21	28	14	21	16	25	16	20	17	16	15	19	17	19	20	25	24	24	24	28	33	14	33
15	28	26	30	21	24	26	26	25	32	30	25	22	22	18	25	34	33	24	26	24	20	23	15	22	15	34
16	37	30	27	18	16	17	11	12	14	16	15	15	16	6	7	7	4	3	7	8	9	16	14	12	3	37
17	9	8	6	7	8	7	7	6	16	5	5	9	8	5	5	23	40	30	13	9	8	26	24	21	5	40
18	21	18	14	13	11	13	16	10	12	13	21	12	11	9	5	6	8	5	6	9	11	19	21	19	5	21
19	17	9	6	3	4	6	7	8	16	12	11	8	9	18	19	30	33	36	34	26	28	32	31	39	3	39
20	36	30	27	29	23	20	19	18	21	25	20	23	25	24	25	25	25	21	25	26	20	24	23	27	18	36
21	28	29	25	24	21	19	27	23	24	25	25	27	25	30	26	26	22	28	32	36	28	26	28	18	18	36
22	27	27	22	23	23	23	25	22	20	26	24	15	15	10	16	25	21	30	29	26	17	21	17	9980b	10	30
23	19	16	21	10	11	11	9	9	15	24	10	17	10	16	14	14	20	29	33	23	14	24	12	16	9	33
24	19	12	13	12	11	10	6	5	6	10	18	20	23	26	22	25	33	35	38	35	29	32	29	19	5	38
25	16	14	13	16	13	18	14	16	17	27	33	23	26	28	27	27	33	29	28	31	27	28	35	43	13	43
26	40	38	37	38	40	41	38	32	30	43	33	24	25	23	16	24	28	29	26	25	20	28	27	30	16	43
27	33	44	40	36	30	32	34	26	28	31	23	20	23	34	30	30	27	33	39	30	17	18	19	19	17	44
28	37	28	23	18	22	19	16	16	11	17	18	16	13	30	17	20	22	20	22	25	27	24	23	19	11	30
29	14	11	12	14	13	12	9	10	12	17	22	20	18	22	23	23	11	13	14	20	24	31	31	9	31	31
30	37	31	32	36	34	24	18	20	14	26	26	17	19	17	12	12	12	10	8	5	7	12	13	5	37	37
31	17	15	14	12	12	16	15	13	18	14	15	14	12	13	17	23	23	22	28	22	19	18	27	22	12	28

Flags: **b = Bad Condition - Invalid Hour (9980)** Monthly: Ave 23 3 64 Min Max

Wind Speed (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: WS (MPH) Wind Speed
Month/Year: Aug 2008

		HOUR BEGINNING (Local Standard Time)																								Min	Max
Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
01	4.4	4.3	4.7	4.6	5.2	5.0	3.7	3.0P	2.4	3.9	4.9	5.3	4.8	5.1	4.7	4.8	4.2	4.1	3.8	1.9	1.9	2.7	2.4	3.8	3.8	1.9	5.3
02	4.4	5.7	5.3	4.9	6.8	6.2	6.0	2.8P	1.6	3.4	3.9	4.9	5.8	5.8	6.8	6.5	5.6	4.9	4.1	1.4	2.0	3.3	5.0	6.1	1.4	6.8	
03	5.3	4.1	5.0	4.4	5.5	4.6	5.4	2.6P	2.1	3.1	3.7	4.7	4.7	5.1	4.8	4.2	4.3	2.7	2.0	1.3	3.8	3.0	3.7	4.6	1.3	5.5	
04	4.3	4.7	3.3	3.8	4.4	3.8	4.5	2.1P	2.6	3.1	4.3	4.2	5.8	5.6	5.3	4.6	3.3	4.2	2.2	1.0	2.4	2.4	2.6	4.5	1.0	5.8	
05	4.0	3.7	3.9	4.6	5.7	4.6	5.4	4.0P	4.5	4.8	4.9	4.8	5.4	6.3	4.8	5.1	4.5	4.1	1.6	1.5	3.9	3.6	4.2	4.8	1.5	6.3	
06	5.4	5.1	3.7	4.6	3.6	4.1	4.0	1.5P	2.8	2.5	3.1	5.2	6.7	6.4	6.7	5.8	4.4	4.7	2.4	0.8	1.9	3.5	3.8	4.5	0.8	6.7	
07	4.4	3.9	4.3	5.5	5.7	6.4	5.5	4.2P	2.2	3.8	5.1	3.7	4.6	2.8	2.3	4.0	3.9	2.1	1.3	1.0	1.3	1.6	0.8	2.3	0.8	6.4	
08	4.8	4.7	5.3	5.7	4.9	5.9	5.1	5.0P	1.6	2.8	4.6	5.3	5.2	5.5	5.1	3.9	3.1	2.6	1.1	4.0	3.6	3.7	4.4	4.2	1.1	5.9	
09	3.9	4.8	4.1	4.2	4.6	5.4	6.2	3.7P	1.6	4.1	5.2	6.2	5.8	5.4	5.3	5.3	3.5	1.2	1.3	2.6	3.6	3.4	3.9	4.3	1.2	6.2	
10	4.8	4.4	4.7	5.6	4.8	4.4	5.4	3.0P	2.0	1.9	4.3	4.2	4.2	4.4	4.5	4.7	4.1	4.4	2.1	1.7	1.8	2.6	2.6	2.5	1.7	5.6	
11	2.4	3.1	3.9	3.3	2.2	3.0	3.5	2.8P	1.6	3.9	4.3	4.3	4.6	2.9	4.4	5.0	4.1	3.2	2.7	1.5	1.4	2.0	1.2	2.2	1.2	5.0	
12	2.9	1.7	3.6	3.5	2.4	3.8	4.4	2.5P	3.2	4.5	4.8	5.2	5.7	5.0	4.8	2.9	2.2	1.5	1.0	1.4	1.7	2.2	2.4	2.0	1.0	5.7	
13	3.0	3.4	3.5	5.2	5.5	6.4	7.5	4.0P	3.1	4.9	5.7	5.4	6.0	5.2	4.1	2.8	3.0	3.0	2.0	2.7	3.8	4.1	3.2	2.3	2.0	7.5	
14	2.2	2.5	3.1	4.4	3.9	3.2	3.0	2.6P	3.2	4.5	5.2	5.2	5.8	4.6	4.3	5.4	4.5	2.9	3.4	4.4	5.8	3.4	2.9	3.4	2.2	5.8	
15	3.2	3.3	2.8	3.9	3.6	5.5	4.5	3.0P	2.4	3.4	3.7	4.6	3.8	4.4	4.5	3.7	2.5	1.9	1.4	1.4	1.1	0.7	1.3	3.1	0.7	5.5	
16	1.8	1.8	0.8	1.8	2.1	1.0	3.4	2.5P	1.7	3.9	5.1	5.1	4.7	5.3	4.2	4.0	2.9	1.3	2.1	2.9	2.9	2.9	2.7	3.0	0.8	5.3	
17	2.6	3.3	3.9	4.6	5.3	4.1	4.7	4.3P	2.5	2.3	4.3	4.3	4.4	4.2	4.4	4.4	3.4	3.1	2.8	1.7	0.7	0.3	2.1	2.4	0.3	5.3	
18	1.9	2.0	2.4	2.0	4.2	4.8	5.3	3.9P	2.2	3.9	4.9	4.8	5.0	3.4	2.4	1.1	2.3	1.4	1.3	3.0	2.9	1.8	2.8	2.0	1.1	5.3	
19	3.5	3.8	4.2	4.3	5.3	4.2	4.3	3.0P	3.2	3.6	4.2	4.0	4.8	4.7	3.9	4.9	4.9	4.8	2.6	2.6	3.8	2.8	3.2	4.7	2.6	5.3	
20	4.6	4.1	3.2	5.3	5.3	4.3	5.4	3.1P	2.6	3.6	4.2	3.8	4.9	4.6	3.8	3.8	2.6	1.1	0.4	1.1	2.8	4.3	3.6	4.2	0.4	5.4	
21	3.7	4.0	3.4	3.4	3.5	4.5	4.2	4.0P	2.7	3.7	4.3	5.9	5.3	5.6	5.8	5.9	4.7	3.2	2.6	1.3	1.1	2.9	3.1	3.1	1.1	5.9	
22	4.4	4.8	4.1	4.4	5.5	6.1	5.9	2.6P	3.9	5.0	5.0	4.8	2.8	2.9	0.9	1.8	1.9	2.7	1.8	1.7	4.2	3.7	3.5	9980b	0.9	6.1	
23	5.4	4.3	2.9	2.6	4.7	5.1	4.8	3.1P	2.5	4.3	4.4	4.3	3.1	3.5	4.5	3.1	3.4	2.1	1.3	1.3	2.6	2.9	3.5	4.4	1.3	5.4	
24	6.1	4.7	5.1	5.1	7.6	6.0	6.6	4.2P	2.7	4.2	4.8	5.5	4.8	5.3	4.3	4.3	3.0	2.1	1.1	1.4	1.8	2.0	4.0	3.9	1.1	7.6	
25	4.1	3.9	5.1	4.5	4.6	4.9	4.3	2.0P	1.4	3.6	3.8	4.1	5.0	6.1	5.0	4.8	5.0	3.6	2.6	1.6	2.4	1.8	3.9	3.3	1.4	6.1	
26	4.5	4.2	3.7	4.3	3.9	4.6	5.5	4.1P	2.8	4.1	4.6	4.9	5.9	6.0	5.7	5.0	5.2	3.8	2.8	1.9	2.2	3.9	4.3	5.1	1.9	6.0	
27	4.7	4.7	4.8	5.1	4.8	4.7	5.1	4.2P	2.4	2.9	4.8	5.0	5.3	6.0	6.7	6.7	6.2	5.4	4.5	1.9	2.3	2.4	2.6	2.2	1.9	6.7	
28	3.2	3.9	4.8	4.3	3.8	4.4	5.1	3.1P	3.7	3.8	4.3	5.6	5.7	4.5	3.2	3.4	3.1	2.5	1.9	1.4	2.6	2.9	4.8	5.7	1.4	5.7	
29	5.8	6.0	6.8	6.6	7.4	5.2	5.8	3.8P	3.9	4.5	4.8	5.6	5.7	4.7	4.4	3.8	2.2	1.6	2.8	2.9	2.3	3.3	4.6	4.0	1.6	7.4	
30	5.6	3.8	4.2	3.9	3.9	5.1	4.2	4.0P	2.4	3.2	3.5	5.1	4.1	4.9	3.6	1.4	2.6	1.4	1.4	2.6	2.4	3.2	3.4	2.6	1.4	5.6	
31	3.5	5.0	5.2	6.4	6.4	5.7	5.8	3.3P	2.4	3.5	3.7	4.8	5.0	4.9	4.8	4.5	3.2	2.4	1.9	1.4	1.4	1.4	1.9	2.9	1.4	6.4	

Flags:

b = Bad Condition - Invalid Hour (9980)
P = Power Failure - Valid Hour

Monthly: Ave 3.8 Min 0.3 Max 7.6

Wind Direction (KN12)

PRELIMINARY DATA ONLY
SUBJECT TO CHANGE

Station/Facility: KN12
Parameter: WD (DEG) Wind Direction
Month/Year: Aug 2008

Day	HOUR BEGINNING (Local Standard Time)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	85	88	85	82	79	77	71	85P	273	256	268	272	273	280	276	281	259	257	255	149	90	71	63	65
02	66	65	70	65	62	69	71	79P	199	196	257	260	298	302	298	296	306	307	315	350	37	72	78	86
03	77	72	79	72	79	73	72	66P	270	254	253	251	266	263	255	277	296	319	351	43	54	62	76	64
04	76	77	74	71	73	76	74	66P	244	233	266	260	263	278	279	276	280	263	239	340	88	70	79	88
05	80	73	67	67	87	80	84	113P	173	191	210	209	237	258	266	268	273	264	273	78	80	72	84	95
06	88	101	102	79	62	72	79	154P	183	214	235	273	289	305	315	321	317	306	320	249	73	94	85	83
07	77	71	72	75	75	72	74	65P	319	263	252	230	220	210	189	217	249	250	284	291	220	315	95	101
08	102	105	98	88	88	92	91	98P	22	262	281	297	313	316	309	314	292	270	236	84	78	72	75	74
09	71	76	73	74	78	81	87	97P	166	297	300	291	308	302	303	294	306	323	355	75	78	77	76	72
10	70	68	69	67	70	79	83	102P	248	219	248	243	269	261	268	285	299	293	298	199	134	111	96	109
11	123	107	104	86	63	68	82	90P	197	250	266	250	266	296	261	268	292	281	262	350	32	40	23	51
12	85	86	87	102	84	75	76	51P	334	302	295	286	293	309	314	354	1	3	14	41	66	84	71	91
13	74	76	61	67	75	88	69	61P	326	315	315	296	298	297	253	241	239	255	205	126	98	108	119	77
14	64	50	60	52	51	56	58	8P	314	287	290	272	280	308	284	261	278	310	56	74	80	88	75	88
15	83	87	65	76	66	84	80	81P	274	258	254	262	245	244	263	259	272	227	229	277	25	48	59	74
16	22	66	60	51	109	163	82	71P	194	192	205	193	213	211	212	213	204	151	126	123	84	64	79	80
17	91	101	96	91	88	84	75	92P	174	183	209	200	217	225	265	275	266	288	298	316	343	26	93	125
18	360	109	98	66	82	84	80	73P	282	201	196	201	203	187	206	200	272	204	76	71	64	63	109	84
19	70	82	84	81	85	81	79	111P	182	220	252	266	276	269	301	311	300	318	357	45	66	58	62	73
20	70	57	65	79	79	72	79	91P	224	243	260	270	276	300	313	293	298	302	52	108	87	81	81	81
21	86	82	85	69	66	78	76	97P	220	252	259	266	257	276	282	295	307	321	308	0	109	86	98	93
22	83	85	72	74	80	76	72	84P	167	183	220	217	220	172	157	1	11	14	10	38	82	70	102	9980b
23	89	74	58	58	66	69	74	64P	261	267	267	281	237	220	252	271	272	299	324	359	10	33	67	72
24	75	71	72	72	91	77	89	70P	176	200	215	224	230	257	264	272	305	304	355	5	15	21	71	71
25	78	76	79	75	67	73	70	71P	223	261	261	251	240	260	253	255	255	243	211	198	91	60	85	81
26	84	78	75	78	71	72	77	98P	188	195	207	218	255	260	265	286	285	273	315	51	70	80	88	84
27	81	79	78	78	77	70	79	87P	227	240	268	271	278	272	287	292	302	311	303	286	60	96	84	134
28	78	74	68	76	79	74	80	105P	185	180	202	218	221	247	246	282	318	317	16	79	68	73	89	85
29	81	82	84	86	88	78	84	103P	157	200	235	240	257	258	232	191	139	152	104	103	107	81	87	76
30	83	68	62	68	65	72	71	95P	225	230	226	235	250	242	223	208	98	102	84	59	93	75	81	48
31	68	72	75	80	83	80	76	93P	196	220	217	256	271	281	271	272	262	295	341	47	206	131	149	59

Flags: b = Bad Condition - Invalid Hour (9980)
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Monthly Ave: 161