

# Monthly Matrix SO2 (PA16)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																															Min	Max
	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	26	27	28	29	30	31		
01	6	19	41	66	81	94	68	106P	9995C	254	142C	26C	24C	9995C	12C	7	8	2	1	1	1	0	0	3	0	254							
02	6	10	16	46	104	125	45	56P	9995C	45	145	97	11	7	1	0P	0	0	0	0	1	8	65	106	0	145							
03	60	52	69	81	71	42	39	67P	152	191	79	5	9995C	2	1	1	0	4	11	66	237	106	69	65	0	237							
04	68	94	105	183	247	219	188	154P	179	218	19	4	9995C	3	1	1	0	0	1	0	1	35	83	39	0	247							
05	38	54	37	41	43	90	91	135P	127	10	2	1	9995C	2	1	1	1	0	0	0	0	3	64	112	0	135							
06	112	280	439	719	632	924	952	302P	208	68	20	6	9995C	4	2	2	2	1	1	1	1	1	26	79	1	952							
07	69	99	431	521	814	732	631	462P	421	436	228	98	9995C	28	16	4	3	1	1	2	3	8	7	7	1	814							
08	5	12	64	86	80	97	116	94P	112	108	128	9978P	9995C	24C	3C	1	1	1	1	2	4	4	11	57	1	128							
09	62	49	29	34	22	23	31	159P	264	171	97	8	9995C	2	1	1	0	0	0	0	0	0	0	33	0	264							
10	67	190	436	997	391	361	295	132P	274	279	77	17	9995C	7	2	1	1	1	2	9	23	21	34	72	1	997							
11	162	327	394	318	264	339	296	218P	289	249	224	93	9995C	7	2	2	3	2	7	11	22	32	38	36	2	394							
12	85	58	45	62	62	58	46	77P	85	96	366	51	9995C	4	2	2	1	1	0	0	0	19	81	80	0	366							
13	41	30	19	32	42	45	15	41P	72	116	70	2	9995C	1	1	0	1	1	0	6	9	33	34	51	0	116							
14	44	83	75	85	71	105	107	148P	241	271	335	25	9995C	3	1	1	1	2	3	1	1	2	4	8	1	335							
15	16	16	59	74	63	63	128	223P	271	253	343	93	9995C	3	2C	2C	4	5	5	8	5	3	3	5	2	343							
16	19	50	82	72	48	68	42	134P	324	279	294	186	9995C	4	2	1	1	1	3	109	119	70	149	101	1	324							
17	169	250	95	84	87	174	136	126P	308	453	347	8	9995C	134	311	8	3	9	37	77	79	108	123	408	3	453							
18	125	15	3	40	21	103	119	163P	39	182	553	332	9995C	575	636	639	148	420	279	459	217	72	95	95	3	639							
19	127	139	128	18	18	12	39	74P	233	64	46	5	9995C	9	4	13	1	1	1	15	142	216	271	277	1	277							
20	265	212	199	227	149	150	174	175P	253	190	6	2	9995C	2	1	1	1	1	1	1	2	20	166	132	1	265							
21	78	147	122	146	159	216	127	96P	214	331	98	68	9995C	17	4	2	14	29	114	128	101	122	194	315	2	331							
22	226	202	179	211	251	235	308	251P	474	320	434	266	9995C	9995C	9995C	91C	152	79	68	42	134	261	179	42	474								
23	64	30	63	63	108	37	14	10P	3	2	1	1	9995C	2	1	1	1	1	68	176	437	354	114	9	1	437							
24	124	195	158	56	87	78	130	176P	562	691	125	95	9995C	7	5	5	6	9	66	104	107	118	112	128	5	691							
25	118	214	222	257	227	360	334	300P	246	388	126	16P	9995C	13	13	28	38	50	186	100	224	139	190	431	13	431							
26	360	241	253	226	157	121	110	63P	185	55	32	7	9995C	4	2	2	6	8	30	25	49	80	50	44	2	360							
27	70	67	129	75	26	23	17	29P	85	123	33	70	9995C	4	2	2	2	3	5	25	32	43	65	62	2	129							
28	106	141	188	153	94	74	81	45P	26	20	42	59	9995C	29	48	31	46	44	42	104	73	68	64	110	20	188							
29	91	78	109	10	237	133	94	171P	113	54P	9979D	9979D	9979D	2	1	1	1	1	24	93	163	174	134	181	1	237							
30	169	154	132	127	166	130	82	206P	232	199	65	42	9995C	5	4C	2C	2	64	214	80	112	172	145	244	2	244							
31	203	163	167	126	80	93	128	390P	314	240	33	8	9995C	3	3	2	2	7	22	37	39	46	68	142	2	390							

Flags: Monthly: Ave 104 Min 0 Max 997

- C = Calibration - Valid Hour
- c = Calibration - Invalid Hour (9995)
- d = Off-Line Part of Hour - Invalid Hour (9979)
- P = Power Failure - Valid Hour
- p = Power Failure - Invalid Hour (9978)

# Monthly Matrix PM2.5 (PA16)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: PA16  
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3  
 Month/Year: Jul 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	5	13	29	27	26	28	25	38	72	75	35	14	12	9	12	11	8	6	1	-1	-1	2	4	-1	75
02	7	8	9	13	13	11	21	27	10	10	10	32	21	4	1	-2	-5	-5	-6	-5	-4	-1	3	10	-6	32
03	27	16	17	19	20	23	11	12	12	31	42	42	-1	1	0	-2	0	0	3	7	7	32	21	12	-2	42
04	11	9	11	17	26	31	25	17	22	12	46	9	9	3	-1	1	-1	-4	-2	3	4	22	12	18	-4	46
05	12	10	10	10	6	8	11	12	16	30	7	5	2	3	4	-1	-5	-1	0	-1	0	3	6	19	-5	30
06	16	24	56	76	86	52	101	158	22	28	17	3	2	3	7	6	5	8	8	7	7	2	-1	6	-1	158
07	32	22	21	64	71	113	96	78	68	52	57	26	6	6	5	4	1	-1	-1	-2	-1	-1	4	7	-2	113
08	4	3	6	21	25	26	24	32	28	19	26	23	24	10	8	3	1	-1	-1	2	-1	-2	1	5	-2	32
09	16	10	12	11	8	6	5	6	8	24	14	13	3	-4	-2	-1	-3	-4	-2	-3	-3	-1	0	-2	-4	24
10	3	16	40	107	503	165	157	133	56	72	48	17	5	9	7	0	0	0	-2	-1	3	20	14	15	-2	503
11	28	59	99	129	98	72	98	89	68	77	77	43	14	11	5	0	0	0	0	5	3	0	4	7	0	129
12	12	18	14	14	15	15	20	12	13	19	17	38	-2	-2	-2	0	-1	-3	-3	0	2	-3	1	11	-3	38
13	14	18	10	6	7	14	20	4	8	14	25	13	7	2	1	0	0	0	2	3	4	6	17	12	0	25
14	28	20	37	24	26	31	36	24	21	30	13	28	5	2	0	0	-3	1	9	13	6	3	6	8	-3	37
15	7	5	6	9	21	10	10	10	20	24	24	24	6	3	-4	-5	-1	5	12	14	12	10	6	6	-5	24
16	7	6	9	13	17	16	12	5	6	32	29	33	22	0	-1	-4	-4	1	3	3	24	17	17	28	-4	33
17	17	19	37	21	10	13	39	33	25	50	49	32	13	9	11	64	17	12	8	10	23	17	21	28	8	64
18	71	22	9	6	7	9	17	14	30	1	24	75	38	63	171	103	164	10	66	40	89	35	9	18	1	171
19	17	20	24	25	-3	-1	0	3	8	30	20	13	20	-2	26	4	27	0	1	4	4	22	31	34	-3	34
20	35	36	28	24	24	17	19	23	18	30	30	3	1	-1	3	2	1	-1	-3	0	4	17	8	60	-3	60
21	36	16	28	26	31	21	23	21	11	11	22	32	13	10	8	20	18	21	11	11	14	14	24	45	8	45
22	89	51	43	41	49	56	53	83	48	97	52	73	31	31	29	30	109	7	10	9	6	7	18	36	6	109
23	24	5	5	7	17	27	12	9	5	0	0	5	9	12	25	7	11	14	24	11	19	53	43	11	0	53
24	5	17	23	30	13	22	20	27	29	116	595	9	9	9	10	10	9	9	9	10	10	10	9	10	5	595
25	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	22	20	20	20	8	22	17	31	17	48	24	38	8	48
26	107	98	78	73	69	42	34	29	17	25	10	10	6	7	10	8	10	8	5	19	13	15	19	16	5	107
27	14	22	16	30	19	7	8	7	20	20	21	10	26	28	30	16	13	13	11	6	17	8	8	11	6	30
28	15	25	27	44	32	21	11	13	11	11	2	3	9	11	14	17	17	10	8	5	19	8	17	10	2	44
29	21	28	11	10	3	26	17	10	28	OP	10	4	7	7	10	10	18	18	13	14	24	40	43	36	0	43
30	43	40	36	31	30	40	37	25	40	39	28	11	10	17	18	18	8	8	10	46	16	17	34	35	8	46
31	57	53	42	44	31	18	22	24	77	56	49	2	5	7	8	6	0	2	6	11	11	9	13	22	0	77

Flags: Monthly: 21 Ave -6 Min Max 595  
 b = Bad Condition - Invalid Hour (9980)  
 P = Power Failure - Valid Hour

# Wind Speed (PA16)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

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

Day	HOUR BEGINNING (Local Standard Time)																								Min	Max
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
01	3.3	4.5	5.8	5.6	6.1	5.9	4.5	0.9P	3.1	2.9	4.1	5.5	4.2	4.4	4.0	3.5	3.1	1.9	1.5	0.9	2.5	1.6	1.8	2.7	0.9	6.1
02	3.5	3.9	2.7	3.6	4.2	3.9	2.0	1.0P	2.4	4.3	4.5	5.4	6.8	4.7	3.9	3.0P	3.3	2.7	1.3	0.8	1.8	2.1	1.1	2.5	0.8	6.8
03	2.5	2.4	2.6	2.7	3.2	5.3	4.3	2.2P	2.0	2.9	4.1	5.6	5.5	3.7	3.4	1.6	4.2	3.1	2.1	3.0	3.7	2.9	3.2	4.1	1.6	5.6
04	4.3	3.8	3.7	3.1	3.9	3.7	4.5	1.4P	2.7	6.2	7.5	8.1	6.9	5.0	4.7	4.0	3.6	2.0	2.6	3.1	2.8	4.3	4.2	4.1	1.4	8.1
05	4.3	4.9	5.9	5.4	5.0	6.3	5.4	4.0P	3.7	5.9	6.8	6.4	6.9	6.8	4.4	3.2	3.6	2.8	2.2	2.5	2.4	2.3	2.2	3.3	2.2	6.9
06	4.6	5.2	4.4	5.5	5.0	4.2	5.4	3.4P	4.5	6.9	6.3	7.7	6.2	4.8	4.9	4.0	3.3	3.6	3.0	1.7	1.7	2.2	1.6	3.5	1.6	7.7
07	4.0	4.0	6.2	5.2	5.1	4.5	5.5	2.4P	1.8	4.2	4.6	4.5	4.7	5.4	4.9	4.3	3.8	4.2	2.5	2.3	2.4	2.4	3.0	1.2	1.2	6.2
08	2.0	4.3	5.4	5.3	5.4	5.4	4.1	1.8P	2.4	2.5	5.4	5.2P	6.1	4.6P	5.7	5.6	4.9	4.3	2.0	1.7	1.9	2.8	3.5	5.1	1.7	6.1
09	5.1	6.1	5.8	5.4	6.0	6.3	5.3	2.3P	2.0	3.1	6.2	5.5	5.5	3.9	2.8	2.0	1.0	2.0	2.1	2.8	3.3	3.0	3.0	2.9	1.0	6.3
10	3.8	5.3	5.7	4.3	5.2	5.9	5.2	2.4P	2.2	5.2	5.9	6.4	5.5	6.4	5.1	4.7	3.9	4.1	3.4	2.6	4.5	4.7	4.6	3.6	2.2	6.4
11	3.7	5.8	4.7	5.9	6.7	7.0	4.8	2.6P	1.7	4.1	5.4	5.8	5.8	3.6	1.9	2.5	1.7	1.2	3.1	2.4	3.5	3.6	3.5	4.0	1.2	7.0
12	4.3	3.9	3.4	3.1	4.2	4.4	4.1	2.4P	2.4	2.8	3.7	3.3	2.4	1.9	2.5	2.5	2.1	1.4	2.0	3.6	3.6	4.3	5.1	5.7	1.4	5.7
13	5.8	5.5	4.6	5.7	7.7	6.1	6.0	3.9P	2.1	3.9	6.0	7.1	6.7	5.0	4.5	1.8	3.0	2.7	2.7	2.6	4.3	5.1	5.6	5.9	1.8	7.7
14	5.6	4.4	4.2	5.6	5.1	5.9	5.8	2.9P	1.6	2.4	5.4	6.7	6.2	4.6	3.9	3.1	3.9	3.8	3.7	3.8	3.0	3.2	4.6	4.6	1.6	6.7
15	4.2	4.4	4.7	5.8	5.8	6.7	5.5	1.5P	2.0	3.4	4.5	5.1	4.4	4.7	3.5	3.4	4.1	2.7	4.5	4.2	4.1	3.4	3.0	4.3	1.5	6.7
16	4.0	2.7	3.0	4.0	4.7	4.6	5.3	1.3P	1.9	2.9	4.7	6.7	7.4	5.4	4.2	4.5	3.8	5.4	6.0	6.9	4.8	5.2	4.6	4.0	1.3	7.4
17	5.3	5.6	2.9	3.6	4.8	5.9	4.8	2.4P	2.3	4.7	6.8	7.6	11.0	9.1	7.1	5.8	4.0	2.7	3.7	2.3	3.0	2.8	3.1	4.7	2.3	11.0
18	3.7	2.8	3.2	3.4	3.9	3.7	6.2	4.9P	6.7	8.5	8.0	7.3	8.8	7.6	10.0	9.3	11.2	9.3	8.2	4.5	3.5	3.4	3.7	3.8	2.8	11.2
19	3.3	3.4	3.5	4.1	4.1	5.1	4.6	2.6P	3.6	5.9	5.9	6.2	7.7	3.8	5.4	6.4	4.3	2.3	2.6	3.0	2.9	2.6	2.7	2.4	2.3	7.7
20	3.9	3.6	4.6	4.4	4.4	4.4	3.7	2.2P	2.9	4.8	5.6	5.4	6.2	4.8	3.2	2.5	3.2	3.7	2.0	3.3	3.4	4.2	5.9	5.3	2.0	6.2
21	5.8	5.2	5.0	4.8	4.0	4.4	4.2	3.2P	3.6	5.8	7.7	6.5	5.3	5.3	5.2	4.8	3.1	2.3	2.9	2.6	3.1	3.2	3.2	4.4	2.3	7.7
22	3.9	3.5	4.4	5.0	4.5	5.5	4.9	2.6P	5.0	6.1	6.8	7.4	11.3	11.9	8.9	8.8	6.3	5.3	3.2	4.6	3.9	2.9	3.3	5.3	2.6	11.9
23	4.6	4.5	4.3	4.8	3.4	3.8	4.2	3.4P	3.9	4.3	5.4	6.0	6.2	6.4	6.1	6.8	5.0	3.9	2.7	1.5	3.2	3.6	2.9	2.8	1.5	6.8
24	2.7	2.8	2.7	5.0	4.0	2.6	1.7	3.8P	5.5	8.1	10.9	12.3	12.0	10.3	7.6	7.8	6.2	3.4	3.9	2.5	2.9	4.1	5.1	4.7	1.7	12.3
25	4.1	4.8	4.3	5.9	5.3	4.4	4.0	2.8P	3.2	3.3	8.5	9.3P	7.3	5.6	5.2	4.8	3.9	4.0	2.8	3.3	1.9	4.7	3.3	4.7	1.9	9.3
26	3.2	3.0	3.3	3.8	3.5	4.8	4.6	4.1P	6.1	5.4	5.8	6.2	5.6	4.4	2.5	3.0	2.8	3.6	4.2	3.0	3.2	3.8	2.5	2.5	2.5	6.2
27	3.7	4.5	3.8	5.2	5.3	6.1	3.8	2.0P	4.2	6.4	7.0	5.8	6.2	7.5	6.8	5.0	6.3	4.0	4.0	4.5	4.4	4.0	5.5	4.4	2.0	7.5
28	3.8	4.1	4.0	4.8	3.9	3.5	2.3	3.4P	8.3	9.7	11.6	13.4	12.6	10.9	11.2	10.8	8.4	6.2	4.7	2.9	3.0	3.6	2.4	2.6	2.3	13.4
29	3.6	3.3	3.8	5.8	4.7	4.4	3.9	5.2P	3.2	4.5P	6.3	5.5	5.8	4.1	5.5	4.9	3.9	3.5	3.0	3.0	4.2	2.8	3.4	3.8	2.8	6.3
30	3.6	3.8	4.5	5.7	3.8	3.0	3.0	3.4P	4.8	4.4	6.4	7.4	5.5	4.7	5.6	6.3	5.0	4.5	3.0	2.9	3.0	2.0	3.1	3.5	2.0	7.4
31	4.4	5.8	4.5	3.6	3.4	5.1	5.5	3.4P	2.4	4.4	6.4	6.6	7.3	7.8	5.8	6.4	5.2	3.4	2.7	2.6	3.5	3.6	4.6	4.9	2.4	7.8

Flags: P = Power Failure - Valid Hour  
Monthly: Ave 4.4 Min 0.8 Max 13.4

# Wind Direction (PA16)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: PA16  
Parameter: WD (DEG) Wind Direction  
Month/Year: Jul 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	322	322	325	327	324	322	324	105P	156	175	149	141	168	173	146	158	148	121	311	284	327	332	321	323	
02	323	329	314	325	332	324	298	198P	174	173	163	160	120	147	142	132P	146	183	219	241	232	215	291	318	
03	319	296	295	299	305	329	325	177P	117	134	131	110	118	146	160	234	322	313	317	279	310	309	301	328	
04	321	316	326	300	307	296	307	205P	178	111	104	101	99	107	102	102	102	87	109	89	79	173	318	300	
05	312	318	323	323	320	307	198	60P	80	99	104	103	103	102	95	89	54	54	78	70	66	264	129	259	
06	292	317	282	253	204	237	150	89P	96	102	100	101	96	91	87	83	78	96	91	62	88	131	266	312	
07	313	316	327	325	323	320	325	288P	180	170	157	163	143	160	148	155	174	184	231	301	321	335	325	308	
08	328	324	323	321	319	320	322	222P	168	165	144	142P	143	141P	120	129	129	103	249	288	315	301	318	324	
09	324	323	320	321	324	325	320	142P	92	113	124	116	126	170	151	192	247	124	225	329	336	329	321	322	
10	323	320	309	304	326	321	324	303P	161	126	146	113	119	123	147	160	169	229	251	247	230	296	323	308	
11	308	273	320	330	328	324	265	251P	155	174	169	153	139	129	126	100	146	302	277	275	278	299	311	319	
12	326	325	321	296	319	322	301	263P	203	223	243	136	182	254	171	235	232	185	244	327	330	315	318	320	
13	324	253	173	323	328	329	322	283P	183	113	122	113	117	103	101	88	202	293	259	264	330	332	328	326	
14	328	320	310	320	320	318	321	316P	116	79	117	119	138	135	140	184	315	287	228	250	320	328	331	321	
15	320	322	320	320	319	321	322	257P	237	177	159	108	111	90	77	75	137	239	331	327	332	327	313	318	
16	331	304	299	317	322	318	322	260P	153	173	162	132	122	133	133	319	259	258	287	315	317	316	323	316	
17	324	315	272	298	321	325	322	198P	238	160	113	117	104	99	94	107	127	202	268	184	226	260	157	134	
18	209	274	269	289	302	222	82	94P	86	82	74	75	89	79	95	93	105	96	96	126	255	276	267	298	
19	285	290	270	292	280	308	294	121P	177	100	102	106	101	103	113	110	100	97	80	273	196	250	313	287	
20	324	284	326	320	295	332	288	186P	94	94	100	101	107	103	79	61	212	257	200	109	303	322	325	305	
21	320	277	278	287	278	284	262	143P	86	94	99	101	87	99	105	108	125	238	259	280	301	291	297	295	
22	304	297	303	311	318	323	320	249P	207	205	201	163	101	101	94	93	91	86	86	117	169	113	117	51	
23	62	47	142	117	110	71	86	98P	66	74	77	85	90	93	95	98	89	80	122	246	193	104	138	97	
24	198	273	266	263	268	272	222	180P	76	73	102	108	106	103	101	103	108	130	239	179	283	281	312	300	
25	242	304	313	327	311	289	310	262P	206	205	116	111P	110	119	117	118	128	96	93	192	198	243	250	191	
26	247	296	315	265	273	269	184	65P	105	92	88	97	151	135	122	212	156	88	94	169	228	180	190	204	
27	314	302	266	307	235	202	161	265P	108	99	98	126	105	112	116	110	107	146	257	259	274	297	322	293	
28	277	302	303	322	302	247	240	246P	110	101	108	103	101	106	107	102	98	97	94	83	75	96	105	132	
29	142	65	82	77	71	98	198	206P	135	80P	90	92	93	89	85	90	98	130	215	196	285	272	266	244	
30	255	280	315	304	254	234	242	221P	168	126	114	104	96	101	96	87	85	83	151	241	195	165	233	268	
31	243	313	315	272	287	312	191	146P	169	109	107	105	109	107	117	113	97	119	182	206	283	298	309	315	

Flags: P = Power Failure - Valid Hour Monthly Ave: 207

# Monthly Matrix SO2 (MV17)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: MV17  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Jul 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	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	0	0	0	0	0	0	0	0	1		
02	0	0	0	0	0	0	0	0P 9995C	1	0	1	0C 9995C	9995C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
03	0	0	0	0	0	0	0	0P 9995C	3C 1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
04	0	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	0	0	0	0	0	0	0	0	0	0	0	1	
05	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	0	0	0	0	0	0	0	0	0	0	1	
06	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	0	0	0	0	0	0	0	0	0	0	1	
07	0	0	0	0	0	0	0	0P 9995C	2C 1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
08	0	0	0	0	0	0	0	0P 9995C	2C 9995C	1C	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
09	0	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	0	0	0	0	0	0	0	0	0	0	0	1	
10	0	0	0	0	1	1	0	0P 9995C	2C 2	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
11	0	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	0	0	0	0	0	0	0	0	0	0	0	2	
12	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	0	0	0	0	0	0	0	0	0	0	1	
13	0	0	0	0	0	0	0	0P 9995C	2C 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0P 9995C	2C 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
15	0	0	0	0	0	0	0	0P 9995C	1C 9995C	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
16	0	0	0	0	0	0	0	0P 9995C	1C 2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
17	0	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	0	0	0	0	0	0	0	0	0	0	0	1	
18	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	0	0	0	0	0	0	0	0	0	0	1	
19	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	0	0	0	0	0	0	0	0	0	0	1	
20	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	0	0	0	0	0	0	0	0	0	0	1	
21	0	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	0	0	0	0	0	0	0	0	0	0	0	1	
22	0	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	0	0	0	0	0	0	0	0	0	1	
23	0	0	0	0	0	0	0	0P 9995C	5C 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
24	0	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	0	0	0	0	0	0	0	0	0	0	0	1	
25	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	0	0	0	0	0	0	0	0	0	0	1	
26	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	0	0	0	0	0	0	0	0	0	0	0	1
27	0	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	0	0	0	0	0	0	0	0	0	0	0	0	1
28	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	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0P 9995C	6C 9995C	1C	0	0	0	0	9979d 9979d	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
30	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	0	0	0	0	0	0	0	0	0	0	1	
31	0	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	0	0	0	0	0	0	0	0	0	0	0	1	

Flags:  
b = Bad Condition - Invalid Hour (9980)  
C = Calibration - Valid Hour  
c = Calibration - Invalid Hour (9995)  
D = Off-Line Part of Hour - Valid Hour  
d = Off-Line Part of Hour - Invalid Hour (9979)  
P = Power Failure - Valid Hour

Monthly: Ave 0 Min -4 Max 6

# 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: Jul 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	7	7	6	7	6	5	3	2	3	3	6	7	6	4	2	3	4	3	4	5	8	9	6	6	6	2	9			
02	4	-2	1	4	4	2	0	1	0P	2	3	3	3	1	0	0	0	1	0	2	3	3	3	3	3	-2	4			
03	3	1	1	4	6	5	3	1	3	3	3	3	5	3	2	3	1	1	0	0	2	3	3	3	0	6				
04	2	3	2	3	4	3	3	1	4	9	9	4	3	6	6	3	3	3	5	3	2	5	6	6	1	9				
05	6	6	5	3	4	3	6	6	2	5	7	6	8	6	6	4	4	3	3	5	8	6	5	8	2	8				
06	9	7	5	3	5	6	4	3	3	5	4	5	6	5	3	3	4	6	7	7	3	3	6	6	3	9				
07	6	5	4	5	8	7	5	6	6	6	6	4	4	4	4	5	4	4	1	3	5	6	5	2	1	8				
08	4	5	4	1	3	7	6	1	1	1	0	1	3	3	1	1	-2	-2	1	-1	-2	-1	1	1	-2	7				
09	0	0	3	4	1	2	5	2	2	3	1	1	3	3	2	1	0	-1	-1	-1	3	4	4	3	-1	5				
10	3	5	3	4	7	10	11	7	3	2	3	-1	-2	1	2	3	4	4	4	2	-2	1	3	1	-2	11				
11	0	-1	1	2	4	3	1	3	4	1	1	1	1	1	3	5	3	2	4	2	1	2	2	3	-1	5				
12	4	4	4	3	4	2	2	3	2	4	3	3	3	5	4	2	5	5	3	5	7	10	7	5	2	10				
13	5	6	7	6	3	4	8	6	4	3	5	3	5	3	4	6	4	4	4	4	4	3	4	8	3	8				
14	6	4	6	6	4	4	5	5	3	2	4	3	2	4	6	5	1	0	0	5	8	6	4	4	0	8				
15	4	3	4	4	3	3	4	3	5	4	2	3	3	9979d	5	3	0	-2	-7	-8	-5	1	1	-1	-1	5				
16	1	0	-1	-1	-1	1	1	1	2	2	3	5	4	1	0	-4	-3	1	1	1	0	0	0	0	-4	5				
17	0	-2	-2	-2	-1	0	2	1	0	-1	-1	0	1	-1	-1	3	4	2	1	2	4	3	3	6	-2	6				
18	4	2	3	5	5	4	2	2	4	6	6	2	-3	3	2	3	2	-4	0	1	1	2	3	1	-4	6				
19	-1	0	-1	-1	0	-2	0	1	-2	1	1	2	1	-2	-3	-2	-2	0	1	-1	0	0	0	3	-3	3				
20	3	3	3	-1	-1	0	-3	-5	-1	2	2	-1	-1	1	1	-2	-5	-2	0	1	3	-1	-1	3	-5	3				
21	1	-1	-1	-1	-2	-1	0	-5	-1	3	2	1	-1	-3	1	0	-1	1	1	2	2	-2	-2	0	-5	3				
22	0	-2	-1	2	-1	-3	-2	-2	-1	0	-1	-3	-5	-2	-1	-2	-4	-3	-14	-14	-5	-5	-4	-5	-14	2				
23	-6	-7	-5	-8	-7	-4	-2	-2	-4	-5	-6	-5	-2	-3	-5	-1	-1	-3	-3	-3	-4	-3	0	1	-8	1				
24	1	-1	-5	-2	-1	-3	-1	1	2	4	6	3	-1	3	3	1	3	4	9	11	6	3	1	9980b	-5	11				
25	3	4	4	4	2	-1	0	-2	-4	-2	1	0	-1	3	-1	-3	1	-2	-3	2	0	-2	2	2	-4	4				
26	2	1	-1	-1	2	2	0	-1	-4	-3	0	1	1	4	4	3	4	6	7	7	7	9	7	5	-4	9				
27	6	6	6	4	4	4	4	3	6	6	5	3	3	2	1	-1	0	2	2	1	-2	-4	-1	1	-4	6				
28	1	2	-1	-1	-2	-3	-2	-2	-3	-1	2	0	-1	0	-3	-2	-2	-2	-3	-1	0	0	-2	-3	-3	2				
29	-2	-2	-3	-4	-4	0	2	-2	-2	-2	-1	1	-2	-1	3	4	4	5	1	0	5	5	5	2	-4	5				
30	2	3	3	4	2	-2	-3	0	-1	0	2	1	-1	1	2	3	4	0	-1	2	0	0	3	4	-3	4				
31	2	3	3	1	1	0	-1	-1	1	3	3	4	4	4	2	2	4	4	3	2	3	4	4	5	-1	5				

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

Monthly: 2 Ave -14 Min 11 Max

# Wind Speed (MV17)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: MV17  
Parameter: WS (MPH) Wind Speed  
Month/Year: Jul 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	4.5	4.4	3.1	4.2	5.2	3.9	2.7P	1.7	2.2	3.3	5.1	4.0	4.4	5.2	5.0	4.4	3.3	2.9	1.2	0.6	1.0	2.6	2.5	0.6	5.2
02	1.5	1.8	1.4	2.0	2.4	3.4	3.3	3.3P	4.1	2.9	3.8	5.0	4.8	3.4	3.5	2.7	1.9	2.9	3.1	1.4	2.2	3.3	3.2	3.1	1.4	5.0
03	2.4	2.9	3.5	2.3	3.4	3.7	1.8	1.6P	3.1	3.5	3.9	4.5	4.3	4.8	3.9	4.0	4.5	4.4	3.6	3.0	1.9	1.7	2.9	2.8	1.6	4.8
04	4.0	3.6	3.8	3.6	3.5	4.3	3.4	2.6P	3.0	3.5	4.5	5.1	5.8	4.8	4.1	5.0	4.4	3.5	2.7	1.4	1.4	2.3	3.4	3.9	1.4	5.8
05	4.0	3.3	4.4	4.1	3.1	3.8	4.7	3.7P	2.3	3.4	4.0	5.1	4.9	8.2	6.9	7.1	6.4	6.5	4.4	1.6	1.6	2.1	1.9	2.7	1.6	8.2
06	2.6	3.5	3.6	2.4	2.3	3.8	2.9	2.3P	1.8	3.3	3.2	4.4	4.7	5.2	4.9	4.8	4.1	3.7	3.1	1.5	1.4	1.2	1.3	1.0	1.0	5.2
07	1.0	1.2	1.4	0.7	1.0	1.9	2.3	2.0P	3.9	4.9	4.6	5.1	5.4	5.7	5.9	5.6	5.2	5.1	3.6	1.2	1.3	1.8	1.5	2.0	0.7	5.9
08	1.8	3.1	2.9	3.7	2.7	3.9	2.9	2.9P	3.3	3.8	4.7	5.1	5.6	5.4	5.8	5.0	5.1	4.4	2.5	1.7	1.3	1.3	2.5	3.6	1.3	5.8
09	2.7	3.7	4.0	4.5	3.9	4.3	3.8	3.0P	2.0	2.8	4.3	5.6	5.8	4.7	4.4	3.8	3.8	3.6	2.6	1.3	1.4	1.6	2.3	3.0	1.3	5.8
10	2.8	2.8	3.4	2.4	2.2	2.9	2.9	3.1P	3.4	4.7	5.1	5.4	5.3	6.2	5.9	5.8	5.5	5.2	3.7	2.0	1.7	2.4	2.1	2.0	1.7	6.2
11	1.7	1.5	2.5	3.5	3.6	3.5	3.6	3.0P	3.7	4.3	5.2	4.8	5.6	5.8	6.0	5.5	4.7	3.7	3.0	1.4	1.8	2.3	2.1	2.3	1.4	6.0
12	2.6	1.8	2.5	3.9	3.6	4.2	4.0	3.5P	2.3	2.2	3.5	4.1	5.1	5.5	5.2	5.9	4.4	3.1	1.8	1.2	2.6	3.5	4.3	4.7	1.2	5.9
13	4.6	4.7	4.6	5.8	5.7	4.9	3.9	3.2P	3.7	4.0	4.8	5.6	4.6	5.1	5.7	5.3	4.6	3.8	3.0	1.3	1.7	2.8	3.5	3.3	1.3	5.8
14	3.7	3.8	3.8	4.8	4.8	5.2	4.6	4.1P	2.8	3.1	2.7	5.0	6.3	6.2	6.0	5.7	5.1	3.8	2.9	1.1	1.6	2.6	2.9	3.9	1.1	6.3
15	4.0	4.4	5.2	5.5	5.4	5.8	5.5	3.9P	3.1	3.8	4.4	5.4	5.7	5.7	5.4	5.6	4.2	3.4	2.8	2.1	1.8	1.8	2.6	2.7	1.8	5.8
16	1.9	2.7	3.5	3.3	4.3	3.7	3.8	3.3P	3.4	4.1	4.7	4.9	4.6	5.9	4.7	3.9	2.7	4.3	3.7	4.1	3.8	3.3	2.1	2.4	1.9	5.9
17	3.0	2.2	3.3	2.6	3.1	3.9	4.2	4.0P	2.9	3.5	5.4	4.0	3.5	4.4	4.7	5.0	5.7	4.7	1.6	3.0	3.2	2.6	2.1	2.3	1.6	5.7
18	2.8	1.8	2.5	2.5	3.0	2.4	2.1	2.1P	4.0	3.7	4.0	5.3	5.5	5.0	6.5	5.8	4.3	4.1	3.5	2.7	2.5	2.4	3.7	3.8	1.8	6.5
19	3.6	3.7	3.5	3.9	3.9	4.0	3.7	2.9P	2.1	1.9	4.4	3.0	4.9	4.1	3.2	1.9	2.5	2.5	1.8	3.3	3.0	2.7	3.0	3.0	1.8	4.9
20	3.1	2.7	3.8	4.4	2.3	3.3	4.1	3.6P	1.8	3.5	6.0	4.3	3.6	5.5	5.6	5.1	5.2	3.9	2.2	1.2	2.5	3.5	3.2	3.5	1.2	6.0
21	4.5	3.3	3.7	3.9	5.1	5.4	4.9	4.1P	2.8	2.3	5.0	5.2	4.3	2.9	3.0	2.4	3.0	2.4	2.0	1.0	2.1	2.2	1.8	1.6	1.0	5.4
22	1.9	2.4	1.9	1.8	2.1	2.0	2.2	2.2P	3.6	4.4	4.6	5.5	5.0	5.6	5.1	5.8	4.8	4.9	4.1	4.1	3.3	2.5	2.9	3.7	1.8	5.8
23	3.6	3.4	2.1	1.5	2.5	2.5	2.7	3.3P	5.5	4.3	4.5	5.4	5.0	4.7	3.9	4.4	3.5	2.8	1.8	2.5	2.2	1.6	1.8	2.1	1.5	5.5
24	2.6	3.0	3.4	2.2	2.3	1.8	2.3	2.7P	3.0	4.3	5.3	4.9	4.9	5.6	4.5	4.8	4.7	4.3	2.5	1.5	1.5	2.0	2.2	9.800b	1.5	5.6
25	2.5	2.6	3.4	3.3	2.6	2.6	2.2	2.3P	3.6	5.0	4.7	6.1	6.2	5.5	4.2	5.3	4.2	3.2	3.0	3.4	2.5	2.9	2.8	2.9	2.2	6.2
26	2.8	2.7	3.9	3.4	4.5	4.1	4.1	2.9P	2.7	3.6	5.0	2.7	3.5	5.2	4.7	5.3	4.0	3.6	2.9	2.3	2.3	1.8	1.6	1.3	1.3	5.3
27	2.3	2.5	2.9	2.9	3.7	3.6	2.8	2.5P	2.9	4.4	2.9	2.8	4.4	5.3	4.9	4.6	4.6	3.8	2.5	1.4	1.2	2.2	1.3	2.6	1.2	5.3
28	1.9	2.4	1.6	2.1	2.2	3.1	3.6	3.2P	2.8	3.8	4.5	5.2	5.0	5.9	5.1	5.9	5.3	4.7	4.4	3.9	3.4	3.7	4.8	4.5	1.6	5.9
29	4.4	4.5	4.8	6.3	2.1	2.1	2.1	2.6P	2.3	2.9	4.2	5.2	5.7	4.5	4.7	4.6	4.4	4.4	3.0	2.3	1.9	1.7	1.7	1.2	1.2	6.3
30	1.6	1.4	2.2	2.2	2.4	3.0	3.6	3.5P	3.5	4.5	3.9	5.3	5.6	3.8	4.5	3.2	3.1	3.4	2.5	2.7	1.7	2.5	2.6	1.9	1.4	5.6
31	2.7	2.7	3.2	5.2	3.9	5.0	4.1	3.4P	2.8	4.0	5.0	5.3	5.3	6.0	6.0	5.2	4.8	3.8	3.5	2.1	1.3	1.6	2.6	3.7	1.3	6.0

Flags:

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

Monthly: Ave 3.5 Min 0.6 Max 8.2

# Wind Direction (MV17)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: MV17  
Parameter: WD (DEG) Wind Direction  
Month/Year: Jul 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	258	256	255	252	250	254	252	249P	168	88	92	78	87	80	81	71	58	63	56	162	299	257	231	253
02	271	255	187	260	265	274	267	276P	274	169	97	71	99	103	77	127	202	61	61	156	271	246	270	263
03	236	267	226	267	260	262	251	200P	156	159	88	76	73	67	65	71	75	62	58	62	264	287	265	271
04	276	275	272	263	258	254	252	238P	119	69	78	80	98	81	75	72	67	75	73	87	258	272	267	256
05	250	256	270	236	238	275	262	243P	174	127	92	91	91	95	88	93	87	95	93	149	266	254	248	250
06	247	257	261	253	269	258	259	254P	143	74	86	79	83	82	81	76	71	65	62	126	230	305	306	244
07	279	300	278	268	270	262	262	260P	105	66	77	91	109	93	85	82	72	105	80	270	256	249	271	262
08	253	256	250	254	248	254	257	262P	131	77	82	68	67	75	70	69	65	63	67	144	283	274	257	258
09	255	255	253	255	257	253	249	246P	231	138	79	84	68	72	73	78	65	70	65	105	297	285	258	251
10	257	260	261	255	258	254	261	272P	176	123	72	68	71	65	72	68	69	68	81	167	278	194	263	250
11	259	266	258	250	244	249	249	256P	104	87	70	71	73	64	68	69	66	73	66	190	275	265	216	261
12	265	195	183	259	276	271	266	250P	229	221	77	68	67	75	67	63	65	62	63	261	263	258	238	257
13	257	255	255	259	259	257	258	222P	87	119	94	70	94	81	85	75	70	79	60	228	276	262	263	260
14	252	252	249	252	252	252	250	244P	151	105	77	93	76	71	72	71	72	78	59	296	283	259	255	259
15	252	253	259	256	257	257	259	267P	106	70	88	75	80	76	73	77	65	79	155	259	256	250	259	257
16	250	257	256	250	253	244	260	262P	217	76	76	72	93	72	73	94	216	268	270	275	271	264	267	269
17	260	261	233	254	239	271	276	280P	231	119	81	221	254	216	67	79	92	152	256	169	267	278	265	270
18	271	275	270	264	245	265	272	263P	229	246	226	93	75	141	68	67	67	68	153	248	282	276	267	243
19	274	229	273	265	260	260	256	253P	112	149	101	237	92	106	267	259	79	75	238	259	261	260	256	249
20	253	250	261	256	232	220	252	254P	251	145	85	78	96	75	82	74	80	71	63	281	276	267	258	261
21	259	258	249	254	263	268	262	263P	211	174	72	77	84	149	110	96	86	76	229	224	140	172	289	268
22	252	241	280	260	284	278	277	244P	60	200	207	142	79	107	82	71	66	79	63	77	65	163	79	93
23	96	142	145	154	68	89	80	84P	86	82	69	71	71	73	70	68	123	287	298	167	272	302	280	243
24	157	161	204	266	264	271	265	270P	275	178	70	103	86	67	63	68	65	74	173	281	276	261	261	9980b
25	249	252	261	260	258	257	271	275P	116	82	83	65	68	113	88	73	70	225	278	279	275	280	268	270
26	278	243	265	249	272	264	265	244P	81	90	126	281	132	63	67	64	72	97	56	229	260	291	271	268
27	281	271	268	253	261	252	161	215P	268	101	225	144	88	79	78	67	67	63	58	259	273	263	264	170
28	214	274	274	260	259	278	272	275P	182	115	69	81	72	78	89	65	73	68	61	61	70	66	73	77
29	77	86	90	104	142	151	191	184P	234	76	69	85	71	70	69	75	75	63	99	193	259	307	274	279
30	260	284	272	259	120	182	285	282P	268	164	126	96	82	84	112	79	139	273	267	272	273	276	265	157
31	273	247	279	268	246	277	266	274P	280	149	74	73	67	76	84	73	64	66	63	155	283	265	254	257

Flags: Monthly Ave: 180  
b = Bad Condition - Invalid Hour (9980)  
P = Power Failure - Valid Hour



# Monthly Matrix SO2 (HL11)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: HL11  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Jul 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	0	0	0	0	0	0	0	0P	0C 9978p	5	1C 9995c	9995c	1	9995c	9995c	3	1	1	0	0	0	0	0	0	0	0	5
02	0	0	0	0	0	0	0	0P	0C 9995c	8C 3	1P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
03	0	0	0	0	0	0	0	0P	0C 9995c	6C 2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
04	0	0	0	0	0	0	0	0P	0C 9995c	5C 2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
05	0	0	0	0	0	0	0	0P	0C 9995c	5C 2	2	1	3	2	1	1	1	1	1	0	0	0	0	0	0	0	5
06	0	0	0	2	3	2	1	0P	0C 9995c	5C 1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
07	0	0	0	0	0	0	0	0P	0C 9995c	5C 2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
08	0	0	0	0	0	0	0	0P	0C 9995c	5C 2	9995c	2C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
09	0	0	0	0	0	0	0	0P	0C 9995c	7C 2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
10	0	0	0	1	1	0	0	0P	0C 9995c	5C 2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
11	0	0	0	0	0	0	0	0P	0C 9995c	4C 1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
12	0	0	0	0	0	0	0	0P	0C 9995c	4C 1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
13	0	0	0	0	0	0	0	0P	0C 9995c	3C 2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3
14	0	0	0	0	0	0	0	0P	0C 9995c	2C 1	0	9995c	9995c	9995c	4	2	1	1	1	1	1	0	0	0	0	0	4
15	0	0	0	0	0	0	0	0P	0C 9995c	6C 2	9995c	2	1	0P	0	0	0	0	0	0	0	0	0	0	0	0	6
16	0	0	0	0	0	0	0	0P	0C 9995c	4C 1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
17	0	0	0	0	0	0	0	0P	0C 9995c	3C 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
18	0	0	0	0	0P	0	0	0P	0C 9995c	7C 2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
19	0	0	0	0	0	0	0	0P	0C 9995c	5C 2	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5
20	0	0	0	0	0	0	0	0P	0C 9995c	6C 4	2	2	1	1	0	1	1	1	1	1	0	0	0	0	0	0	6
21	0	0	0	0	0	0	0	0P	0C 9995c	4C 2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
22	0	0	0	0	0	0	0	0P	0C 9995c	7C 2	9995c	3C	1	1	0	0	0	0	0	0	0	0	0	0	0	0	7
23	0	0	0	0	0	0	0	0P	0C 9995c	11C 23P	9995c	9995c	2	0	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	23	
24	-2	-2	-2	-2	-2	-2	-2	-2P	-2C 9995c	2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2
25	-2	-2	-2	-2	-2	-2	-2	-2P	9995c	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0P	0C 9995c	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
27	0	0	0	0	0	0	0	0P	0C 9978p	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
28	0	0	0	0	0	0	0	0P	0C 9995c	4	2D	9979d	9979d	9979d	2	1	1	1	1	1	0	0	0	0	0	0	4
29	0	1	0	0	0	0	0	0P	0C 9995c	4	2	9995c	4C	2	1	2	1	1	1	1	0	0	0	0	0P	0	4
30	0	0	0	0	0	0	0	0P	0C 9995c	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
31	0	0	0	0	0	0	0	0P	0C 9995c	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3

Flags: Monthly: Ave 0 -2 23  
Min Max

- C = Calibration - Valid Hour
- c = Calibration - Invalid Hour (9995)
- D = Off-Line Part of Hour - Valid Hour
- d = Off-Line Part of Hour - Invalid Hour (9979)
- P = Power Failure - Valid Hour
- p = Power Failure - Invalid Hour (9978)

# 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: Jul 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	9	8	4	4	4	0	1	3	3	OP	5	6	5	5	6	6	7	9	9	8	4	3	3	0	9	
02	1	4	5	4	2	3	4	3	2	2	2	0	2	0	3	4	4	0	-2	1	4	5	4	-2	5	
03	4	4	5	6	9	10	7	3	3	3	5	7	4	3	2	0	4	4	3	3	3	4	8	0	10	
04	3	4	4	2	4	6	5	0	-1	3	3	3	3	3	7	6	5	4	4	4	7	9	7	-1	9	
05	6	6	5	6	9	6	4	5	4	4	6	6	5	5	4	7	7	6	4	4	7	9	7	4	11	
06	12	10	8	7	11	15	13	10	10	7	4	6	6	5	4	4	4	5	5	5	3	5	10	3	15	
07	8	8	9	10	8	8	8	8	10	8	2	2	4	6	7	6	5	5	6	7	7	7	7	2	10	
08	7	5	4	4	4	7	7	7	3	0	1	2	2	1	0	0	0	3	0	4	4	2	3	0	7	
09	5	6	6	5	4	4	4	4	4	1	2	3	3	4	4	4	4	6	6	8	8	4	4	1	8	
10	6	8	9	11	18	16	12	11	9	4	4	5	4	4	5	4	4	5	4	2	4	7	6	2	18	
11	7	6	6	5	2	4	4	3	6	5	3	7	5	7	6	4	4	4	3	3	4	7	8	2	9	
12	9	8	5	5	5	4	3	3	4	4	5	5	5	7	6	5	4	6	8	9	10	7	3	3	10	
13	4	6	4	6	7	6	7	5	4	4	6	5	7	4	4	6	6	7	7	8	6	6	8	4	8	
14	7	6	9	7	6	5	4	7	5	3	6	6	4	3	2	0	1	2	4	4	4	8	7	4	0	9
15	5	7	4	4	2	-1	3	5	5	7	9	6	2	3	5	9979d	1	7	6	5	5	4	4	6	-1	9
16	4	2	3	4	3	2	4	6	4	2	1	4	4	4	3	4	4	4	1	-3	1	5	5	3	6	
17	3	3	4	5	6	4	2	2	1	3	4	3	3	4	4	5	8	8	7	10	11	11	12	11	1	12
18	9	16	10	10	8	7	9	7	5	4	4	1	5	9	7	6	5	7	8	6	7	7	7	7	1	16
19	8	7	8	6	2	3	4	7	8	7	7	5	5	4	1	2	4	3	4	4	6	8	9	8	1	9
20	5	6	9	9	9	7	6	7	3	3	5	6	7	8	6	3	1	-1	2	4	5	6	6	8	-1	9
21	10	8	7	7	7	6	3	3	4	5	3	1	3	4	3	2	3	4	7	8	7	9	7	5	1	10
22	2	2	4	3	3	3	2	2	4	4	2	2	3	4	4	5	4	2	3	2	1	1	2	2	1	5
23	3	4	4	3	3	4	2	2	3	2	0	OP	3	5	7	4	4	6	4	3	1	2	4	5	0	7
24	7	7	7	5	5	4	2	3	5	8	7	6	6	8	8	5	7	9	9	10	9	8	9	9	2	10
25	9	7	4	6	7	7	7	6	7	7	4	2	2	4	3	0	2	3	3	3	5	7	6	5	0	9
26	6	6	3	3	4	3	2	4	5	3	4	4	6	8	9	11	11	10	12	13	13	11	11	2	13	
27	12	11	11	12	12	10	8	7	8	OP	1	9	8	6	4	4	4	4	5	3	3	5	6	6	0	12
28	5	4	3	5	5	3	5	6	1	-1	4	6	3	3	9979d	4	3	0	1	5	6	4	2	1	-1	6
29	1	3	4	2	4	6	4	3	3	6	7	6	6	7	9	8	8	9	8	10	10	7	7	1	10	
30	12	14	10	8	9	8	8	6	3	5	6	4	5	5	6	6	8	7	4	3	5	7	8	6	3	14
31	7	9	8	5	5	5	5	7	4	3	7	8	8	7	8	8	7	4	5	10	11	10	7	7	3	11

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

Monthly: Ave 5 Min -3 Max 18

# Wind Speed (HL11)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: HL11  
Parameter: WS (MPH) Wind Speed  
Month/Year: Jul 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	4.0	4.1	3.9	3.7	3.9	3.8	3.4	2.1P	1.3	2.8P	3.9	4.8	5.5	5.1	5.7	5.1	3.8	3.3	2.3	1.7	2.3	2.4	3.6	1.8	1.3	5.7
02	3.1	2.9	1.7	4.2	4.9	3.6	2.7	2.2P	2.8	3.2	5.9	6.2	6.1P	5.8	5.3	3.6	4.1	4.5	3.7	5.2	6.4	3.3	4.4	4.0	1.7	6.4
03	2.7	2.5	2.4	2.5	2.8	2.8	3.2	2.5P	2.9	2.3	6.3	5.7	5.2	5.3	5.2	5.1	4.5	4.9	2.9	2.8	3.1	4.3	5.9	5.2	2.3	6.3
04	4.7	4.9	4.5	5.1	3.4	3.7	3.6	2.1P	2.1	3.3	4.4	5.3	4.0	3.9	4.2	4.6	4.3	3.0	1.2	1.9	2.8	2.3	3.0	3.0	1.2	5.3
05	2.7	3.0	3.1	2.9	3.6	5.8	4.3	3.3P	2.7	4.0	5.1	5.9	6.4	6.5	6.4	5.7	4.8	4.1	3.6	1.0	2.1	2.2	2.1	2.5	1.0	6.5
06	2.4	3.1	3.0	3.1	3.0	3.6	3.1	1.9P	2.7	4.3	4.5	4.3	4.9	5.2	4.0	4.6	4.2	3.7	2.6	1.2	1.4	2.6	2.9	4.0	1.2	5.2
07	3.9	3.6	3.6	3.6	3.6	4.7	3.9	2.2P	3.7	4.8	5.4	5.9	6.0	5.8	6.5	5.3	5.8	5.2	2.4	2.2	4.0	3.8	2.5	3.9	2.2	6.5
08	3.7	3.4	3.7	4.0	4.1	4.1	3.3	1.9P	3.4	4.9	5.3	6.2	5.9	7.2	6.6	6.6	5.8	3.9	2.2	3.0	3.3	3.2	3.8	4.0	1.9	7.2
09	3.3	3.4	3.6	3.9	3.9	4.0	3.8	2.6P	1.4	2.9	5.8	6.1	5.2	5.6	5.0	4.5	3.3	3.1	1.6	2.6	2.7	2.7	3.0	3.6	1.4	6.1
10	3.1	3.1	3.2	3.5	3.7	3.6	3.6	2.6P	2.9	6.0	6.7	6.5	6.7	6.8	6.3	5.8	4.8	4.3	2.5	2.4	4.7	4.0	4.4	4.7	2.4	6.8
11	4.9	4.8	4.3	3.9	4.3	4.8	4.0	2.9P	4.0	6.5	6.0	6.1	6.4	6.0	6.5	5.4	5.2	3.7	2.7	2.6	3.0	1.7	2.4	1.6	1.6	6.5
12	2.8	2.3	2.5	4.6	6.1	5.8	4.4	5.3P	3.2	3.9	5.2	5.4	6.7	6.5	4.7	5.9	4.7	3.1	1.6	2.9	3.1	3.5	3.9	4.2	1.6	6.7
13	4.5	4.6	4.6	3.9	4.0	4.0	3.7	2.4P	3.1	4.3	5.4	5.2	4.4	6.4	5.3	5.7	4.2	4.0	2.4	1.3	2.0	2.4	3.1	3.2	1.3	6.4
14	2.9	3.2	3.0	3.7	4.1	4.3	3.9	3.1P	2.6	4.3	5.1	6.6	6.5	6.3	6.2	6.2	4.9	4.1	2.1	3.1	3.9	3.7	3.9	4.0	2.1	6.6
15	4.4	4.5	4.2	4.5	4.7	4.6	4.6	3.0P	2.7	4.8	5.3	5.7	6.0	6.1	5.2	5.7P	4.9	3.4	1.4	2.2	2.6	2.5	3.4	3.5	1.4	6.1
16	3.7	3.9	4.0	4.3	4.7	4.4	3.6	3.4P	2.1	5.2	4.5	6.0	6.3	6.6	5.4	5.1	3.8	5.1	2.2	6.2	4.1	3.4	3.3	3.1	2.1	6.6
17	4.3	5.6	5.2	3.3	4.5	3.6	4.2	3.5P	3.1	3.4	4.5	5.2	3.7	3.5	3.6	5.0	3.9	2.8	2.2	2.0	2.8	3.9	4.8	5.2	2.0	5.6
18	4.7	5.3	5.8	2.8P	3.8P	3.2	4.4	4.1P	2.8	4.1	3.0	3.4	4.5	5.1	5.0	4.7	4.1	3.2	3.2	4.4	5.1	4.7	5.2	3.9	2.8	5.8
19	5.6	5.2	3.8	3.8	4.0	4.3	3.9	2.8P	2.5	2.1	4.8	2.4	6.0	5.0	3.0	3.0	3.3	3.0	2.7	3.0	2.4	2.8	3.0	2.4	2.1	6.0
20	2.4	2.2	2.5	2.5	2.3	2.7	3.4	3.1P	2.8	3.8	6.9	4.7	5.8	5.8	5.2	4.1	4.0	3.7	1.9	1.6	2.6	2.6	3.0	3.5	3.4	6.9
21	3.3	3.9	3.7	4.1	4.6	5.1	3.5	2.8P	2.5	3.2	5.3	5.9	4.6	2.8	2.4	3.5	3.8	2.5	1.7	2.0	1.9	1.3	3.5	3.9	1.3	5.9
22	3.6	2.4	3.0	2.8	3.1	4.2	4.1	2.9P	3.3	3.9	3.9	3.8	3.5	3.8	4.3	3.5	3.4	2.9	2.2	2.6	2.7	1.2	2.0	1.7	1.2	4.3
23	1.6	1.6	2.3	1.4	1.2	1.7	1.9	3.5P	3.0	3.3	3.3	3.4P	5.2	5.3	3.9	3.6	2.5	2.0	3.5	2.6	3.5	3.0	2.7	3.1	1.2	5.3
24	2.1	4.6	4.2	4.3	4.3	3.2	2.7	4.4P	4.9	2.7	3.0	4.2	5.5	5.9	4.7	5.2	3.9	1.8	2.2	4.8	5.4	4.4	3.8	4.0	1.8	5.9
25	3.0	3.9	3.8	3.5	3.6	3.4	3.6	2.5P	4.1	5.1	5.3	6.4	4.9	5.2	5.9	6.1	2.6	3.7	5.0	5.2	5.4	3.3	4.4	5.1	2.5	6.4
26	6.2	5.6	6.0	3.6	4.7	5.0	3.8	2.8P	2.2	3.0	4.1	2.0	2.7	4.8	4.9	5.6	4.0	3.7	2.1	3.2	3.6	4.2	4.3	3.7	2.0	6.2
27	3.4	3.4	3.1	3.6	3.8	3.4	2.3	4.6P	2.3	4.2P	2.8	5.0	4.5	5.4	4.7	5.2	4.2	3.1	1.7	3.2	4.1	2.8	4.1	1.6	1.2	5.4
28	1.9	3.4	2.9	2.4	3.4	2.6	3.2	3.6P	3.0	3.3	3.5	3.9	5.0	5.1	4.0	2.8	2.3	3.0	2.8	2.2	2.7	2.1	3.7	2.1	1.9	5.1
29	3.1	3.0	2.8	2.6	2.5	2.5	2.7	3.4P	3.5	2.5	3.2	4.5	1.6	3.8	4.4	4.7	3.6	2.5	2.4	1.0	2.0	2.8	2.9	2.7P	1.0	4.7
30	3.0	2.6	3.7	3.6	1.6	1.8	4.5	5.0P	2.7	3.7	4.6	3.5	2.7	2.1	3.5	3.5	3.2	4.9	5.1	4.2	4.1	3.4	3.1	3.3	1.6	5.1
31	3.1	3.3	4.6	5.1	3.3	5.4	5.4	3.8P	2.6	3.1	4.0	5.1	5.0	4.9	4.5	4.2	3.7	2.5	2.4	3.8	4.8	4.2	4.0	4.1	2.4	5.4

Flags:  
P = Power Failure - Valid Hour

Monthly: 3.8 Ave 1.0 Min 7.2 Max

# Wind Direction (HL11)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: HL11  
Parameter: WD (DEG) Wind Direction  
Month/Year: Jul 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	259	260	261	263	261	261	263	270P	253	81P	49	55	65	56	64	58	54	58	63	11	315	357	295	266	
02	270	308	22	271	271	265	237	240P	10	354	66	62	53P	57	53	41	57	54	320	287	296	270	276	278	
03	247	243	268	247	261	263	265	279P	48	20	68	62	72	60	55	58	54	58	46	339	302	290	294	288	
04	276	277	273	276	265	260	263	269P	66	72	63	54	44	47	50	45	41	44	21	294	227	244	260	263	
05	262	242	255	271	236	265	264	242P	170	143	120	113	94	105	85	90	101	107	124	176	258	259	250	250	
06	251	260	261	261	251	259	262	246P	147	91	62	45	47	52	38	52	61	42	46	334	280	303	292	276	
07	273	268	271	266	266	275	266	301P	58	58	64	73	66	67	63	53	59	63	55	306	276	274	265	270	
08	266	262	263	261	260	260	248	224P	74	64	70	60	57	68	65	67	63	52	18	284	274	262	264	259	
09	264	256	263	262	261	264	264	268P	209	61	72	62	53	56	52	57	60	56	100	262	273	270	264	263	
10	262	262	262	264	268	259	263	266P	24	72	65	58	74	60	65	57	51	55	30	305	281	282	275	275	
11	275	273	269	261	265	268	262	266P	68	72	60	62	76	61	59	53	60	48	47	295	272	308	265	218	
12	255	253	253	276	281	278	274	314P	310	88	59	53	67	65	55	53	57	40	31	271	262	261	259	261	
13	259	261	264	262	267	262	258	272P	43	74	59	93	53	67	52	48	49	59	69	206	261	257	259	260	
14	261	264	261	265	260	258	258	258P	291	63	46	58	57	53	60	61	62	57	4	293	275	270	261	264	
15	260	260	261	261	259	260	259	280P	16	66	60	55	47	58	58	64P	55	60	29	332	267	252	270	268	
16	265	266	262	263	259	260	272	273P	61	75	46	60	57	54	56	66	331	274	227	274	268	264	261	262	
17	271	275	267	272	257	240	259	279P	309	65	16	288	313	19	30	55	35	12	337	293	278	267	272	279	
18	271	277	275	258P	284P	260	273	291P	254	255	330	38	36	33	39	43	35	22	323	289	276	275	275	274	
19	277	280	260	266	263	262	262	277P	54	72	58	198	63	75	233	279	47	59	72	280	264	265	266	275	
20	261	251	256	265	265	210	256	252P	165	126	97	103	99	96	76	66	64	87	143	249	262	255	263	260	
21	263	258	260	278	262	269	263	257P	171	87	62	73	112	239	132	256	279	267	279	268	252	241	271	275	
22	277	283	271	279	280	274	275	292P	39	333	3	353	13	45	16	39	24	25	334	345	23	219	163	62	
23	263	275	61	229	266	278	51	61P	101	45	46	1P	51	56	89	62	67	219	262	254	275	268	283	278	
24	265	44	278	272	293	289	321	272P	277	19	60	67	59	65	67	71	63	37	321	276	276	269	260	261	
25	262	264	267	265	263	264	262	350P	61	70	69	59	32	58	68	69	308	254	283	279	284	269	272	281	
26	285	283	275	254	263	270	271	296P	63	65	103	213	44	55	61	62	52	61	35	278	291	273	272	267	
27	264	264	265	261	268	273	254	272P	10	71P	35	67	45	56	55	66	54	46	350	272	272	265	296	288	
28	239	261	263	265	271	249	270	272P	310	57	31	47	54	56	359	359	356	72	35	35	58	102	77	59	
29	106	132	144	179	223	270	243	250P	269	265	32	58	51	59	57	71	50	26	332	280	260	264	265	267P	
30	262	263	272	266	262	189	284	259P	285	54	50	44	348	269	303	90	146	289	276	275	279	266	267	269	
31	265	291	289	275	202	263	274	266P	293	52	37	63	49	59	47	42	45	45	347	281	275	271	262	260	

Flags: P = Power Failure - Valid Hour Monthly Ave: 184

# Monthly Matrix SO2 (KN12)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: KN12  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Jul 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	5	1	2	2	2	0	1	3P 9995C	20	44	9995C	42	44	41C 9995C	80C	56	109	91	63	47	51	50	0	109		
02	29	11	19	2	6	3	5	6P 9995C	25	32	25	19	15	9	6	5	6	4	5	2	0	0	0	32		
03	0	0	0	1	0	1	0	4P 9995C	10	9	9	13	18	14	12	6	3	2	3	1	0	0	0	18		
04	2	0	1	0	-1	-1	2	7P 9995C	17	13	22	20	15	23	13	18	22	11	6	5	5	2	-1	23		
05	2	3	4	3	4	9	7	13P 9995C	9	9	8	7	12	14	15	20	20	21	17	5	4	2	2	21		
06	2	3	3	3	5	5	5	5P 9995C	6	5	5	4	4	4	5	12	20	24	23	10	6	5	2	24		
07	4	3	2	3	3	2	1	1P 9995C	2	1	8	21	26	26	32	33	31	29	30	17	9	12	4	33		
08	1	1	2	1	1	0	0	5P 9995C	9	7	9995C	4	1	0	-1	-1	0	-1	-1	0	0	1	2	9		
09	3	3	1	0	-1	-1	1	2P 9995C	15	16	15	16	30	34	38	29	19	21	12	11	9	8	5	-1	38	
10	2	3	3	3	2	2	4	5P 9995C	5	3	3	8	19	30	6	9	6	46	10	36	32	28	30	2	46	
11	24	8	4	1	1	2	2	2 9995C	8	5	4	6	24	12	13	19	43	33	31	17	30	23	1	43		
12	24	17	12	15	10	11	11	17 9995C	22	11	10	41	32	31	37	25	16	14	12	6	6	5	3	41		
13	1	1	1	0	0	0	0	1P 9995C	5	3	5	10	10	31	37	35	16	14	26	22	9	7	4	0	37	
14	3	3	4	5	9	11	17	14P 9995C	18	19	10	8	43	41	24	24	37	26	14	13	12	3	12	3	43	
15	11	15	3	5	7	8	11	12 9995C	60	75P 9978P	9995C	72C	76	53	38	28	24	14	8	9	15	19	3	76		
16	20	24	18	18	10	10	2	9P 24	17	9995C	29	41	41	41	3	2	6	8	10	4	5	4	3	2	41	
17	2	5	3	3	3	4	3	10P 12	9	9995C	23	17	19	50	64	52	50	31	25	18	12	7	4	2	64	
18	5	12	9	10	10	8	6	10P 14	18	9995C	30	35	37	30	33	41	49	43	21	15	17	14	16	5	49	
19	22	19	16	11	11	10	9	7P 41	37	9995C	56	51	66	74	9	4	17	10	11	12	19	19	17	4	74	
20	15	18	14	15	11	9	8	9P 19	12	9995C	29	29	9	22	45	32	18	18	15	38	29	37	31	8	45	
21	34	21	12	11	11	7	5	6P 25	20	9995C	18	29	28	35	41	35	35	39	22	12	17	12	9	5	41	
22	13	12	11	8	4	5	7	13P 15	17	9995C	21	19	9995C	18	20	16	13	16	24	21	20	24	43	4	43	
23	30	16	15	16	24	23	33	33	48	40	9995C	23	23	27	19	22	23	16	13	9	4	2	3	2	48	
24	1	0	-1	-1	0	0	-1	0P 1	1	9995C	27	40	30	47	11	12	7	1	1	4	4	2	3	-1	47	
25	3	8	10	7	10	8	9	6P 0	9	9995C	25	46	40	17	15	5	1	2	1	3	2	6	6	0	46	
26	10	10	5	4	7	10	6	4P 7	9	9995C	38	43	18	24	6	4	23	16	7	7	9	6	3	3	43	
27	2	3	0	-1	1	7	12	15P 19	13	9995C	8	12	23	21	38	31	14	10	6	4	3	4	3	-1	38	
28	1	1	2	1	0	0	0	0P 1	2	9995C	22	17	8	24	17	10	7	11	6	17	18	12	11	0	24	
29	11	10	8	9	12	14	10	11P 19	24	9995C	23	20	9995C	12	11	8	5	2	2	3	0	-1	-1	-1	24	
30	-1	-1	-1	-1	-1	-1	-1	-1P 4	3	60C 9979d	9979d	54	58	50	45	35	28	24	17	18	12	6	-1	60		
31	1	0	0	0	1	-1	-1	0P 0	1	9995C	1	0	0	10	14	13	20	25	30	22	21	12	3	-1	30	

Flags:  
 C = Calibration - Valid Hour  
 c = Calibration - Invalid Hour (9995)  
 d = Off-Line Part of Hour - Invalid Hour (9979)  
 P = Power Failure - Valid Hour  
 p = Power Failure - Invalid Hour (9978)

# 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: Jul 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	26	19	26	35	33	32	28	24	25	19	25	32	38	42	53	50	58	63	52	80	65	56	71	60	19	80
02	65	55	31	34	14	29	19	19	23	33	28	31	32	33	28	24	21	27	28	29	29	33	23	24	14	65
03	15	20	21	16	15	15	15	14	19	19	22	23	20	24	26	27	24	12	5	1	7	6	4	5	1	27
04	9	12	13	15	13	11	8	7	11	22	10	12	22	21	18	30	20	33	41	27	23	31	24	21	7	41
05	16	18	24	28	24	19	25	23	26	19	19	20	18	18	24	22	31	33	21	24	26	22	30	29	16	33
06	33	28	31	33	22	21	19	20	25	30	24	24	25	20	22	24	25	33	36	37	36	39	38	31	19	39
07	24	23	22	15	17	15	16	13	21	17	11	16	21	27	29	33	38	38	41	41	45	26	24	25	11	45
08	28	14	13	19	18	17	9	8	19	31	17	18	11	12	10	9	8	7	9	7	3	6	7	7	3	31
09	10	12	9	7	7	7	7	8	12	20	15	15	21	25	51	43	51	48	38	37	28	31	31	27	7	51
10	22	11	8	6	8	11	12	18	22	8	10	14	14	12	20	34	16	16	13	40	20	37	37	37	6	40
11	35	28	13	14	14	14	14	14	13	15	14	12	11	11	26	15	17	20	38	26	24	22	18	32	11	38
12	22	41	34	24	18	20	17	16	28	20	21	10	10	23	20	31	32	23	23	16	17	15	16	19	10	41
13	18	13	14	20	16	18	18	12	19	22	15	15	14	15	17	34	42	43	30	38	48	58	33	25	12	58
14	19	23	20	24	17	23	26	28	27	20	22	23	25	22	38	38	41	40	40	22	20	18	16	6	6	41
15	20	23	28	17	15	19	19	18	21	29	0P	0P	43	43	53	51	46	44	46	41	38	44	43	45	0	53
16	52	50	52	46	31	21	25	20	22	27	13	23	31	37	42	48	3	5	11	18	20	13	28	26	3	52
17	30	21	29	30	26	24	23	20	31	21	18	17	26	26	24	37	39	33	37	25	27	28	33	16	16	39
18	20	21	26	24	31	32	31	30	29	28	29	25	34	34	41	39	43	49	50	49	42	49	47	43	20	50
19	50	48	43	35	36	37	34	34	27	24	24	30	27	30	39	40	8	17	32	34	38	36	42	45	8	50
20	45	32	33	33	41	35	26	27	25	28	21	17	12	17	14	21	32	21	18	20	27	43	41	45	12	45
21	38	39	34	24	24	21	15	13	20	34	28	25	24	31	33	33	36	35	39	33	25	18	20	29	13	39
22	29	36	35	32	33	22	25	23	32	32	26	23	26	29	27	25	21	20	23	27	28	28	35	36	20	36
23	41	35	31	29	31	34	37	38	29	42	35	24	24	26	29	25	26	25	37	23	21	15	13	11	11	42
24	10	9	8	7	7	4	8	9	7	7	7	10	21	28	21	35	15	22	10	8	6	20	19	14	4	35
25	13	16	17	14	19	19	17	16	9	8	9	13	21	31	29	15	23	10	9	8	8	22	21	21	8	31
26	22	30	32	25	25	22	20	18	16	19	12	28	36	35	29	34	14	15	41	31	25	21	26	19	12	41
27	23	22	21	9	7	17	23	23	38	28	18	20	17	23	37	41	55	49	29	26	24	22	22	24	7	55
28	25	27	23	31	28	23	18	22	25	25	25	16	26	23	13	21	19	15	14	17	17	29	29	29	13	31
29	29	30	29	33	34	33	32	28	23	22	28	34	27	25	26	18	21	15	14	8	6	10	8	4	4	34
30	4	7	7	7	9	10	9	10	19	14	10	7	28	28	44	48	46	49	47	36	36	32	29	23	4	49
31	18	9	8	7	9	12	9	7	11	11	22	8	8	8	9	20	20	25	33	37	37	38	30	14	7	38

Flags:  
P = Power Failure - Valid Hour

Monthly: 25 Ave 80 Min Max

# Wind Speed (KN12)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: KN12  
Parameter: WS (MPH) Wind Speed  
Month/Year: Jul 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	1.8	4.0	5.2	3.9	4.1	3.0	2.9	2.0P	3.7	4.1	4.0	3.2	2.7	2.4	3.1	3.1	3.2	2.2	1.1	0.7	1.2	1.5	1.0	1.1	0.7	5.2
02	2.0	2.9	2.3	4.7	4.2	2.7	4.0	1.6P	3.0	3.6	4.3	4.5	3.7	3.8	1.8	1.7	1.4	3.8	2.2	2.2	2.5	2.0	3.4	3.3	1.4	4.7
03	4.0	3.4	3.6	3.1	3.2	3.6	3.2	2.3P	1.9	3.4	3.9	4.6	5.0	3.9	4.5	5.1	3.8	2.9	3.1	3.1	2.3	2.4	2.7	2.8	1.9	5.1
04	2.4	4.4	4.3	4.3	5.0	5.5	5.3	3.1P	3.3	3.9	3.8	5.5	5.3	3.7	2.9	3.7	2.2	2.1	2.1	1.4	2.5	3.2	3.0	3.4	1.4	5.5
05	4.0	3.6	4.5	4.6	5.6	6.5	5.3	3.2P	3.9	3.9	3.5	3.8	3.7	4.9	5.1	5.2	3.8	4.1	4.2	3.2	2.5	3.4	3.8	4.9	2.5	6.5
06	5.5	5.3	5.0	5.2	5.6	6.0	5.1	2.1P	2.3	3.4	3.8	4.7	4.8	4.8	5.4	4.2	4.9	4.1	3.6	2.1	1.9	1.7	2.2	4.0	1.7	6.0
07	4.1	4.2	4.4	6.0	7.0	7.4	5.7	2.6P	3.7	4.4	5.3	4.5	4.2	3.6	3.5	3.1	3.4	3.9	2.8	2.1	1.7	1.2	1.0	2.9	1.0	7.4
08	6.1	6.9	4.5	4.3	3.4	7.5	6.6	3.6P	3.1	3.3	3.7	4.0	4.7	4.3	3.3	2.3	1.3	2.3	2.2	1.5	2.9	2.6	4.2	3.4	1.3	7.5
09	3.5	4.7	4.6	4.2	4.2	3.5	4.3	2.5P	2.5	3.6	4.0	5.3	6.1	6.1	4.3	3.5	2.4	2.2	3.7	2.6	2.4	1.9	1.7	1.5	1.5	6.1
10	1.2	2.1	1.8	2.3	5.3	5.1	6.6	4.5P	3.0	3.0	4.0	4.7	4.3	4.0	3.2	3.1	3.0	3.7	3.5	1.7	2.2	2.4	1.5	2.3	1.2	6.6
11	2.0	4.7	4.1	5.1	4.8	5.6	5.3	4.2	2.8	3.8	5.3	5.0	5.4	5.1	5.1	4.8	4.4	3.7	3.4	1.7	1.6	3.0	3.3	3.8	1.6	5.6
12	3.3	4.2	4.7	5.3	4.5	5.2	6.5	4.9	2.5	4.1	4.4	4.3	5.4	4.0	1.8	2.9	3.0	1.2	2.4	1.7	2.2	2.0	2.5	3.2	1.2	6.5
13	4.2	4.6	4.8	4.0	4.8	5.4	5.6	5.3P	3.5	3.9	4.5	5.3	4.7	5.2	4.3	3.8	2.8	2.8	2.5	2.5	3.6	3.9	4.5	4.6	2.5	5.6
14	4.2	4.3	4.5	3.6	5.9	5.4	4.8	2.1P	3.6	3.7	4.4	4.7	5.1	5.5	5.1	3.8	2.4	4.0	4.0	2.2	2.3	4.0	4.3	4.1	2.1	5.9
15	5.2	4.5	5.1	4.3	4.9	4.9	5.0	3.6	3.1	3.7	4.3P	5.0P	5.1	4.9	4.4	3.4	2.7	2.6	0.8	2.2	3.6	4.3	4.6	4.5	0.8	5.2
16	5.6	5.0	4.7	4.4	5.2	5.5	4.7	2.8P	3.6	4.4	5.0	5.8	6.4	5.8	5.0	3.1	2.4	1.9	1.7	2.6	2.7	3.2	4.2	4.8	1.7	6.4
17	5.3	3.4	5.0	5.4	5.1	5.2	6.0	3.8P	3.5	2.8	3.3	5.2	5.4	4.3	4.6	3.6	3.2	2.1	2.7	2.9	3.4	2.2	3.3	3.6	2.1	6.0
18	4.6	4.5	4.5	4.9	5.2	4.4	4.3	2.1P	2.7	4.1	4.4	4.2	3.7	2.4	3.2	4.2	4.0	4.0	1.1	2.3	4.3	3.7	4.9	4.1	1.1	5.2
19	4.4	3.8	6.3	5.0	6.1	5.0	3.7	2.7P	2.9	3.4	3.9	4.9	4.8	4.0	3.1	2.9	2.9	1.7	3.8	2.9	3.1	3.5	2.7	2.8	1.7	6.3
20	3.9	3.6	4.5	3.7	4.8	4.1	5.4	2.9P	2.4	4.3	4.9	4.3	3.9	2.1	0.8	1.1	1.9	2.1	1.5	1.9	2.7	2.0	3.2	1.8	0.8	5.4
21	2.8	3.5	4.3	3.7	3.5	2.8	5.1	3.1P	2.4	3.6	4.3	4.7	5.4	6.3	6.2	5.5	2.9	3.5	2.4	0.8	1.2	1.6	2.3	2.7	0.8	6.3
22	2.6	2.6	2.1	2.8	3.8	3.7	3.3	1.8P	2.5	3.7	4.0	4.0	4.7	5.2	4.6	3.4	3.0	2.5	2.1	2.0	1.2	4.4	3.2	3.8	1.2	5.2
23	2.8	3.2	3.2	4.4	4.2	3.1	3.5	3.1	2.8	3.6	4.4	2.1	4.4	4.3	4.6	4.0	4.0	3.7	3.2	2.6	2.2	1.8	1.2	1.7	1.2	4.6
24	1.1	4.0	3.9	5.4	5.1	3.6	3.3	2.8P	3.2	3.1	5.3	3.9	4.4	4.5	4.4	3.8	3.3	2.2	1.9	2.8	4.9	4.0	2.6	1.8	1.1	5.4
25	3.5	4.0	3.9	4.1	4.4	4.2	3.1	1.8P	1.8	2.6	3.9	3.5	4.5	3.4	2.5	0.9	1.7	2.2	1.5	1.6	2.0	2.3	2.7	2.9	0.9	4.5
26	3.1	3.5	3.3	4.7	4.4	6.0	6.9	5.8P	4.8	4.6	4.7	4.6	4.8	3.9	2.3	3.1	2.7	2.4	2.0	3.3	3.0	2.7	3.4	3.9	2.0	6.9
27	4.5	4.0	6.8	5.7	5.4	4.9	4.2	2.6P	2.1	3.8	4.7	5.8	5.8	5.8	5.0	3.5	2.3	1.8	1.1	1.3	1.7	2.6	3.9	4.4	1.1	6.8
28	5.0	5.3	5.1	3.5	3.9	4.3	3.7	1.8P	1.8	3.3	4.6	4.6	5.5	5.3	6.2	4.6	3.5	3.5	1.5	1.9	3.2	2.8	2.5	1.9	1.5	6.2
29	2.0	1.0	2.2	3.0	4.1	2.7	2.2	0.9P	2.9	3.9	3.4	4.0	4.0	4.6	5.0	4.1	3.4	3.9	2.9	1.4	3.7	2.9	3.2	2.9	0.9	5.0
30	2.7	4.6	4.2	5.1	3.5	4.3	4.9	4.1P	3.8	3.8	4.1	5.0	4.2	3.7	4.2	4.2	3.2	1.8	2.8	2.5	2.4	0.9	2.0	2.7	0.9	5.1
31	3.2	2.5	2.6	2.8	1.4	5.4	5.7	4.1P	3.6	5.3	4.9	4.5	3.4	3.5	4.6	3.4	2.8	2.0	1.4	1.6	2.7	4.0	4.1	2.2	1.4	5.7

Flags:  
P = Power Failure - Valid Hour

Monthly: 3.6 Ave 0.7 Min 7.5 Max

# Wind Direction (KN12)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: KN12  
Parameter: WD (DEG) Wind Direction  
Month/Year: Jul 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	122	86	93	79	81	75	70	2P	314	306	281	255	278	298	294	310	323	22	5	9	44	9	145	139
02	111	94	117	80	86	109	78	22P	196	214	249	266	281	237	218	212	125	75	122	117	96	74	78	71
03	74	72	83	74	67	79	79	213P	329	266	244	257	257	248	261	236	185	151	125	115	131	105	93	60
04	52	55	71	73	79	79	86	124P	181	191	213	231	271	260	278	294	305	55	35	45	61	62	69	75
05	81	68	71	77	84	84	85	114P	172	218	228	242	270	280	292	311	350	350	336	357	21	66	70	89
06	85	79	75	72	69	70	70	26P	295	290	276	279	276	285	289	303	306	311	322	345	11	29	60	59
07	64	67	64	71	72	70	60	18P	314	295	294	276	274	268	282	281	259	262	254	270	220	178	105	67
08	60	77	71	72	69	73	76	114P	203	234	245	272	281	273	258	1	187	172	164	134	146	127	105	103
09	95	74	70	66	65	69	78	59P	298	257	273	276	276	270	283	260	146	67	58	64	56	76	47	46
10	56	86	56	59	71	73	78	105P	252	251	251	293	295	323	331	317	299	259	250	234	184	156	359	103
11	18	75	82	70	77	75	77	84	224	215	201	208	216	217	224	231	208	209	216	234	111	88	86	83
12	70	64	78	72	69	74	85	93	233	203	234	256	282	301	344	355	312	123	127	101	79	62	78	75
13	70	72	71	70	76	76	81	99P	170	208	218	242	263	264	284	292	312	353	48	42	49	54	72	71
14	84	87	87	100	86	95	100	157P	130	179	196	239	277	274	297	282	299	288	198	119	65	92	96	93
15	87	79	78	70	81	78	75	69	316	253	275P	283P	284	288	306	311	312	320	345	57	89	82	91	84
16	86	75	76	69	70	65	61	39P	323	301	307	290	292	279	269	284	150	351	174	150	100	83	81	81
17	80	75	85	86	83	83	85	109P	190	194	219	197	218	254	326	304	286	283	306	47	77	63	80	96
18	94	86	82	79	78	73	74	28P	277	293	292	271	246	175	213	241	267	277	340	80	85	78	90	88
19	106	116	89	84	90	89	83	112P	245	240	230	264	268	271	260	247	113	175	84	63	67	69	58	67
20	72	69	84	74	80	69	84	79P	285	281	297	308	304	323	327	342	297	232	133	131	74	73	67	51
21	67	65	83	78	80	62	82	113P	203	233	262	261	292	296	309	318	326	315	303	187	274	227	88	90
22	79	79	80	72	85	91	103	125P	233	215	244	271	222	219	221	222	208	208	251	284	25	66	75	83
23	93	68	76	90	93	100	123	139	176	255	250	289	305	283	261	239	238	283	317	323	317	72	39	69
24	45	92	100	96	102	108	102	120P	181	223	267	257	261	263	275	264	300	279	117	115	111	92	74	288
25	82	75	80	74	82	95	78	125P	269	279	293	303	300	312	336	296	233	178	176	115	90	107	97	97
26	106	79	71	84	95	103	106	113P	146	210	266	272	282	312	284	310	5	13	42	87	107	116	90	87
27	88	108	88	89	91	104	105	122P	169	237	278	277	295	320	325	351	342	19	47	58	107	109	104	96
28	93	91	98	72	80	76	74	135P	213	252	225	238	261	280	286	285	279	284	194	115	101	106	96	109
29	90	101	79	91	90	91	83	48P	295	275	273	268	261	256	261	280	316	312	352	1	266	39	53	75
30	99	98	102	85	77	63	61	50P	17	299	321	301	271	294	294	288	305	358	16	46	358	189	110	107
31	86	60	89	103	95	93	91	103P	173	182	219	258	260	272	272	291	310	328	353	62	108	233	254	72

Flags: P = Power Failure - Valid Hour Monthly Ave: 165



# Monthly Matrix SO2 (PE10)

PRELIMINARY DATA ONLY  
SUBJECT TO CHANGE

Station/Facility: PE10  
Parameter: SO2 (PPB) Sulfur Dioxide  
Month/Year: Jul 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	2	2	2	2	2	2	2	2	9995c	2C 9995c	2	2	2	2	2	2	9995c	9995c	2	2	2	2	2	2	2	2
02	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
03	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
04	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
05	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
06	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
07	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
08	2	2	2	2	2	2	2	2	9995c	2C 9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
09	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	2
13	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	2
14	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	2
15	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	2
16	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	2
17	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	9995c	9995c	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	9995c	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	2
25	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	9995c	9995c	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Flags: Monthly: Ave 2 1 Max 2

- b = Bad Condition - Invalid Hour (9980)
- C = Calibration - Valid Hour
- c = Calibration - Invalid Hour (9995)
- d = Off-Line Part of Hour - Invalid Hour (9979)
- p = Power Failure - Invalid Hour (9978)