

Monthly Matrix SO2 (PA16)

Station/Facility: PA16
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Dec 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	0	0	0	0	9995C	1	0	0	0	0	0C	9995C	1C	0	0	0	0	0	1
02	0	0	0	1	4	4	6	4P	4	4	1	0	9995C	9979d	9995C	9978p	1	0	0	0	0	1	94	19	21	0	94
03	10	8	18	70	162	259	347	357P	526	74	4	2	9995C	4	3	3	2	1	1	1	1	8	54	63	1	526	
04	189	235	198	258	300	595	676	653P	530	410	213	152	9995C	13	3	2	1	6	5	9	11	6	37	84	1	676	
05	52	22	25	32	24	18	14	17P	53	62	80	43	9995C	4	4	7	14	23	20	15	10	14	16	24	4	80	
06	20	26	25	37	34	24	25	36P	38	30	70	35	9995C	2	1	1	1	0	0	22	21	20	10	14	0	70	
07	3	10	14	39	32	18	25	27P	40	57	13	3	9995C	1	0	0	0	0	2	6	35	38	35	37	0	57	
08	24	30	40	28	33	23	26	30P	38	83	71	11	9995C	5	2	1	1	1	1	10	9	14	37	21	1	83	
09	24	19	21	13	27	18	21	79P	101	72	35	129	9995C	3	1C	1C	0	0	0	0	0	0	0	0	0	0	129
10	0	1	1	10	16	34	43	66P	49	10	2	1	9995C	1	0	0	0	0	0	0	0	0	0	0	0	0	66
11	0	0	0	0	0	0	0	0P	0	0	0	0	9995C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	7	4	2	0	32	88	56P	21	27	3	1	9995C	1	0	0	0	0	0	10	90	104	101	126	0	126	
13	136	138	50	26	4	2	1	1P	1	1	0	0	9995C	1	0	0	0	0	0	0	0	0	0	0	0	0	138
14	0	0	0	0	0	0	0	0P	0	0	0	0	9995C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0P	0	5	4	5	9995C	5	0	0	0	0	0	2	31	39	78	38	0	108	
16	10	5	6	32	34	17	5	3P	27	32	80	32	9995C	10	2C	0C	0	0	0	2	27	81	54	37	0	81	
17	62	62	79	72	84	47	13	30P	54	43	9978p	9979d	9979d	3	1	1	1	0	0	72	63	30	19	38	0	84	
18	107	70	113	92	69	63	57	82P	85	33	4	2	9995C	1	1	0	0	0	0	0	0	0	1	5	0	113	
19	8	40	5	1	54	75	108	87P	70	23	4	2	9995C	1	1	1	1	0	2	31	39	78	70	38	0	108	
20	41	89	62	40	29	26	20	3P	2	5	4	3	9995C	2	2	1	0	0	18	9	31	9	13	9980b	0	89	
21	19	42	5	5	1	2	18	37P	43	101	44	32	9995C	13	1	0	0	0	0	10	27	36	36	9980b	0	101	
22	85	81	55	25	164	76	26	27P	245	78	61	26	9995C	2	1	1	2	4	26	84	121	299	165	97	1	299	
23	48	375	377	181	166	195	218	197P	268	177	63	76	9995C	18	59C	36C	64	47	43	39	34	23	20	16	16	377	
24	14	19	22	23	17	28	35	38P	36	12	14	0	9995C	11	10	12	2	5	10	8	1	0	4	0	0	38	
25	0	0	0	0	0	13	48	1P	1	27	16	23	9995C	2	1	2	3	4	19	18	79	9	18	19	0	79	
26	9	6	2	3	8	18	7	11P	5	3	2	5	9995C	5	4	2	5	3	0	1	23	27	2	12	0	27	
27	12	9	5	14	41	53	43	35P	34	53	80	35	9995C	36	16	11	4	3	7	12	15	19	43	70	3	80	
28	119	98	100	93	79	75	103	128P	107	52	12	2	9995C	10	3	1	0	1	0	0	1	11	39	64	0	128	
29	83	140	119	99	131	119	61	84P	40	44	118	65	9995C	51	22	47	20	37	132	371	126	80	105	61	20	371	
30	55	50	54	57	50	60	72	231P	189	71	87	64	9995C	193	54C	45C	29	22	2	1	1	5	140	183	1	231	
31	26	4	2	1	0	0	0	0P	0	7	6	5	9995C	1	0	0	0	0	0	0	0	0	0	0	0	0	26

Flags: Monthly: 36 Ave 0 Min 0 Max 676
 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 - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly Matrix PM2.5 (PA16)

Station/Facility: PA16
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
 Month/Year: Dec 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	3	4	3	2	2	0	2	6	3	0	0	-1	0	2	1	-1	-1	-1	-2	-2	0	2	3	-2	6
02	0	-1	-1	1	3	6	7	7	6	2	0	2	2	1	0P	1	1	6	4	4	3	4	2	4	6	-14	7
03	4	5	4	3	30	61	58	67	76	87	2	2	3	3	3	4	3	3	4	2	2	3	5	9	33	2	87
04	37	56	58	51	51	48	87	120	108	62	33	41	48	23	11	5	1	2	2	2	3	10	6	19	1	120	
05	44	33	15	16	19	17	18	20	17	26	26	33	13	10	7	9	9	11	17	11	11	10	9	9	7	44	
06	6	5	6	7	9	7	6	5	4	3	5	33	17	8	6	6	6	6	8	8	8	12	13	11	8	33	
07	9	7	3	3	5	7	5	8	10	11	25	19	6	5	1	2	2	2	0	3	6	18	21	12	0	25	
08	9	5	8	13	11	12	12	10	8	21	42	31	12	12	13	8	2	3	3	2	6	8	4	5	2	42	
09	6	5	3	2	4	3	3	5	40	46	36	17	60	3	2	1	-1	-1	1	2	1	1	-1	-1	-1	60	
10	3	6	6	6	18	20	25	31	47	31	2	2	2	-2	-3	-2	-3	-1	0	0	1	2	2	3	-3	47	
11	3	0	-1	0	0	0	0	0	-1	0	2	0	-1	1	2	1	3	2	2	3	4	3	1	9980b	-1	4	
12	-1	-1	-1	1	3	2	21	39	28	16	19	-1	-1	-2	1	3	1	1	2	5	17	58	75	58	-2	75	
13	62	70	68	21	4	5	5	3	1	1	1	-1	-1	0	0	0	1	-1	0	1	0	3	2	1	-1	70	
14	1	0	-1	0	1	-1	-2	-1	-1	-2	-1	-1	-1	0	3	1	-1	0	1	0	1	-1	-2	9980b	-2	3	
15	1	-1	0	-1	-1	-2	-2	-1	0	-1	-1	0	1	9	8	-1	-3	0	1	0	2	1	-1	3	-3	9	
16	9	9	6	7	8	7	4	3	3	3	8	39	17	18	8	5	3	4	5	3	2	18	49	29	2	49	
17	21	31	30	32	36	41	29	3	9	21	24	-3	-3	-2	0	1	0	-3	4	1	21	21	19	7	-3	41	
18	8	53	41	66	27	24	21	21	27	24	8	6	5	3	2	4	4	2	1	3	5	3	2	0	0	66	
19	2	5	17	3	3	26	37	70	65	43	12	10	5	4	6	4	6	11	12	14	13	10	8	6	2	70	
20	8	12	42	29	10	10	10	8	4	4	5	7	16	15	13	11	9	7	7	10	10	9	7	9980b	4	42	
21	1	3	3	2	1	1	3	4	3	8	54	14	17	8	10	8	4	3	3	4	7	28	27	9980b	1	54	
22	14	29	11	7	5	7	9	7	2	5	27	24	11	8	4	4	6	6	6	8	35	25	13	11	2	35	
23	7	4	5	4	3	5	6	3	2	4	5	20	18	11	7	8	8	21	15	13	18	11	7	5	2	21	
24	5	5	4	3	2	1	1	3	3	3	2	-1	-1	0	1	2	-1	-2	0	4	8	3	0	3	-2	8	
25	1	-1	-1	-2	-2	-1	0	2	2	0	3	5	9	8	3	5	4	3	3	3	3	22	4	5	-2	22	
26	7	4	-1	-1	-2	-2	-2	-1	3	3	0	0	1	-1	1	2	0	-1	1	1	1	4	5	2	-2	7	
27	-1	0	2	4	5	1	2	5	4	2	3	9	14	14	21	11	24	21	28	19	18	21	18	14	-1	28	
28	17	16	12	11	7	8	11	12	10	10	13	9	3	4	6	4	3	1	0	3	1	1	5	6	0	17	
29	7	7	3	5	10	10	7	7	10	9	4	6	8	21	21	12	21	6	24	11	11	7	4	5	3	24	
30	2	1	2	6	6	8	19	28	8	7	6	32	24	27	17	16	13	9	18	0	0	-1	-1	0	-1	32	
31	1	2	1	2	0	-3	-3	-1	-2	-1	3	7	9	7	4	2	0	2	6	6	4	17	36	-3	-3	36	

Flags: Monthly: 10 Ave 120 Max
 b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour

Wind Speed (PA16)

Station/Facility: PA16
 Parameter: WS (MPH) Wind Speed
 Month/Year: Dec 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	5.0	5.5	5.2	4.1	4.7	4.4	4.8	4.6P	2.5	2.6	3.1	5.4	6.5	6.4	5.8	4.2	3.3	2.2	2.6	3.5	3.8	3.5	3.3	3.9	2.2	6.5
02	4.0	4.4	4.5	4.9	5.3	5.4	6.3	5.2P	1.8	3.5	5.5	4.8	6.4	6.4	5.0	5.9P	4.0	2.9	1.7	3.2	2.4	2.8	2.4	2.5	1.7	6.4
03	2.8	3.7	4.3	4.7	5.1	4.4	4.6	3.5P	3.6	5.1	6.9	6.5	5.6	5.6	5.3	4.1	4.0	1.8	1.5	1.3	1.9	3.2	3.8	4.8	1.3	6.9
04	4.7	4.2	4.6	6.6	5.8	4.9	4.9	3.8P	1.8	2.6	5.5	4.8	5.4	5.9	6.6	5.5	3.9	4.6	3.0	2.8	2.7	1.9	2.7	2.8	1.8	6.6
05	3.4	5.0	4.6	3.6	3.8	5.5	4.7	3.7P	2.1	3.2	2.9	5.3	7.3	6.7	4.1	6.6	4.9	4.0	4.4	4.5	3.3	3.9	4.3	4.6	2.1	7.3
06	5.1	3.9	4.0	5.4	4.6	5.7	6.2	4.9P	4.0	5.2	7.4	7.0	6.9	6.9	4.8	3.7	2.7	2.6	1.6	2.2	3.3	3.6	5.0	4.6	1.6	7.4
07	4.2	4.5	4.4	4.5	4.0	4.7	4.3	2.6P	2.6	4.0	8.6	9.3	6.3	4.5	2.4	2.4	1.9	3.1	3.7	5.1	4.5	3.9	4.5	5.9	1.9	9.3
08	4.0	4.3	3.3	3.4	5.2	4.6	3.9	4.9P	2.8	3.1	3.4	3.7	4.7	3.4	2.5	2.1	3.9	3.8	3.8	3.5	5.1	5.5	4.9	4.6	2.1	5.5
09	5.0	5.2	5.7	4.7	4.3	4.3	5.2	4.1P	2.9	3.0	3.7	3.7	4.7	5.4	5.8	5.2	3.5	3.8	3.7	4.0	4.7	4.1	4.7	4.2	2.9	5.8
10	3.7	3.9	2.5	3.3	2.2	4.1	4.5	5.2P	2.8	4.0	1.8	2.2	3.5	3.6	5.3	4.0	3.3	5.1	5.4	5.1	5.5	4.9	5.0	6.2	1.8	6.2
11	5.8	4.2	4.3	5.3	4.5	2.9	4.6	2.3P	2.1	1.5	2.2	1.9	2.3	1.3	2.6	3.2	2.3	3.6	3.7	5.6	6.5	4.4	4.8	9980b	1.3	6.5
12	4.2	5.1	5.2	3.5	4.0	4.2	5.0	4.8P	3.7	3.8	3.5	3.0	2.4	3.6	3.5	2.2	1.8	2.2	3.2	3.8	4.3	4.7	5.0	4.4	1.8	5.2
13	4.0	3.9	4.1	5.2	5.8	2.8	5.0	4.7P	1.9	2.9	5.5	4.1	2.0	3.6	4.1	3.7	3.1	3.8	4.8	4.1	3.6	4.0	5.1	4.6	1.9	5.8
14	4.1	3.5	3.2	4.0	3.8	3.8	3.4	2.3P	0.7	1.7	3.4	5.0	4.7	4.5	6.3	4.8	3.3	4.1	5.0	3.3	4.4	6.4	3.2	9980b	0.7	6.4
15	2.2	3.9	2.5	4.0	3.4	3.8	6.7	6.9P	6.2	5.6	4.2	3.9	3.7	5.0	4.6	2.6	3.7	4.0	3.6	4.1	4.2	4.2	3.7	4.2	2.2	6.9
16	3.9	4.6	4.4	4.5	4.5	4.3	4.3	5.5P	5.0	2.9	3.6	4.3	6.3	6.7	7.0	6.2	2.7	3.1	3.4	3.8	3.9	4.8	4.8	5.4	2.7	7.0
17	5.0	3.9	4.3	3.7	4.5	4.7	5.9	4.7P	3.7	3.2	5.3P	5.3	4.4	5.4	4.1	3.5	4.3	5.7	7.3	4.7	4.1	5.1	4.0	4.7	3.2	7.3
18	4.9	3.7	4.5	4.8	5.2	5.4	5.6	3.6P	2.7	4.8	6.6	8.1	5.9	6.2	5.2	3.3	3.0	5.8	4.3	3.9	3.0	2.5	2.6	2.5	2.5	8.1
19	3.7	3.9	4.9	6.6	4.1	4.7	4.6	4.7P	4.1	4.1	5.0	5.6	5.3	4.1	3.7	3.6	2.6	2.7	2.5	5.8	6.0	5.6	5.3	4.7	2.5	6.6
20	4.3	2.9	5.1	3.0	3.7	4.1	4.9	5.1P	5.0	4.7	5.8	6.1	5.4	4.7	3.7	3.2	2.8	2.7	2.3	4.1	5.3	5.1	4.1	9980b	2.3	6.1
21	5.0	6.0	5.1	5.4	5.5	4.5	4.0	4.3P	3.5	3.3	6.0	7.3	6.5	4.4	4.5	3.6	2.9	2.6	3.5	3.6	3.8	4.6	4.3	9980b	2.6	7.3
22	5.1	4.3	4.2	4.6	3.4	4.6	4.5	4.6P	4.2	5.4	7.7	8.4	7.5	6.3	6.3	4.6	4.6	3.5	3.2	3.5	3.9	4.6	4.7	5.0	3.2	8.4
23	3.9	6.2	6.4	5.1	5.1	5.3	4.4	3.0P	1.4	2.3	7.4	6.4	7.8	8.9	6.8	5.5	6.2	3.5	4.8	4.0	4.0	3.2	3.4	4.6	1.4	8.9
24	4.8	4.6	4.2	4.2	4.6	3.1	4.4	3.4P	4.2	7.6	7.0	7.1	7.8	11.1	9.5	11.1	8.2	6.5	3.8	2.9	5.5	5.8	3.4	2.8	2.8	11.1
25	5.7	6.1	7.7	6.3	3.7	4.6	4.4	5.8P	5.3	7.8	6.5	8.2	5.5	7.0	6.8	6.0	5.3	7.1	6.0	6.4	6.0	5.8	6.2	7.2	3.7	8.2
26	8.5	6.6	5.1	6.4	7.3	7.2	7.4	6.7P	6.3	5.0	7.4	7.5	4.7	5.8	6.2	5.2	5.7	5.4	5.2	5.8	3.9	4.3	6.0	6.4	3.9	8.5
27	5.7	4.7	5.7	4.3	6.9	4.7	4.0	5.5P	3.9	2.5	4.5	4.2	4.4	4.1	5.0	5.0	3.7	2.3	1.9	3.4	3.9	4.0	4.9	3.3	1.9	6.9
28	3.9	4.7	3.8	4.4	4.2	4.6	5.0	2.8P	3.0	2.2	1.6	4.5	4.7	4.3	3.6	4.6	5.2	4.0	3.4	1.6	2.0	4.4	4.3	4.6	1.6	5.2
29	5.5	4.7	4.3	4.2	5.1	3.8	4.2	3.5P	2.9	2.1	2.0	2.5	4.0	3.9	4.8	5.8	4.0	2.8	2.8	4.4	3.6	5.2	4.0	5.1	2.0	5.8
30	4.4	4.6	3.3	3.6	3.6	4.1	3.7	4.7P	3.4	2.2	3.4	4.8	2.9	2.6	3.0	2.2	1.6	2.2	3.7	5.4	6.6	4.8	8.1	4.9	1.6	8.1
31	5.5	5.8	4.8	4.5	4.5	4.0	5.6	3.3P	2.1	2.7	6.2	7.0	5.6	7.4	6.4	6.6	3.9	1.4	3.7	4.3	4.5	3.6	4.6	1.4	7.4	7.4

Flags: Monthly: 4.4 Ave Min Max
 b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour

Wind Direction (PA16)

Station/Facility: PA16
 Parameter: WD (DEG) Wind Direction
 Month/Year: Dec 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	324	327	320	317	321	319	320	321P	163	133	187	146	139	151	143	151	121	229	298	322	299	301	284	324	
02	315	326	308	330	323	322	322	330P	86	111	110	130	113	124	106	120P	128	97	63	192	86	134	219	224	
03	251	300	308	328	304	292	201	176P	81	98	102	104	104	114	115	110	106	84	107	167	196	318	316	324	
04	319	316	320	328	331	314	323	300P	127	98	115	146	134	108	112	123	157	113	92	68	85	163	290	291	
05	298	322	318	309	323	326	251	316P	232	229	233	134	109	117	135	251	233	260	271	297	243	306	303	301	
06	315	298	275	311	309	319	315	199P	87	89	104	101	103	100	92	74	73	80	110	150	251	216	220	180	
07	246	68	144	258	189	279	236	113P	98	140	102	101	100	103	88	97	193	116	98	68	104	118	87	191	
08	279	176	283	226	262	227	273	286P	247	100	152	111	94	79	80	99	310	317	315	315	291	336	324	321	
09	317	321	321	326	329	300	273	190P	100	82	97	90	117	117	127	121	157	298	210	258	300	298	314	332	
10	281	325	265	277	299	319	286	325P	153	99	161	131	264	183	182	163	207	321	327	321	319	323	322	326	
11	320	301	322	318	317	281	333	299P	165	127	122	259	259	150	180	252	179	141	235	258	322	259	291	9980b	
12	286	328	332	298	322	320	309	307P	175	109	73	76	68	87	85	70	76	68	73	232	183	288	133	187	
13	156	170	227	260	266	174	196	224P	95	89	100	99	122	306	135	291	291	279	163	314	304	306	323	321	
14	328	315	304	326	322	313	316	324P	170	102	108	107	110	104	106	100	98	277	249	139	293	238	253	9980b	
15	152	263	178	166	73	205	264	281P	247	169	134	149	125	89	133	66	93	203	143	160	150	87	143	93	
16	187	183	266	247	242	226	187	149P	107	77	80	85	91	95	104	99	70	68	138	120	248	237	283	234	
17	214	127	161	122	104	231	217	305P	77	115	92P	84	92	95	87	91	58	239	259	126	50	59	98	73	
18	121	94	209	221	319	332	329	213P	78	91	103	113	105	104	96	83	71	234	137	112	208	120	78	165	
19	176	133	106	246	166	125	254	228P	164	72	87	94	89	87	83	77	71	238	265	276	165	165	82	202	
20	92	152	96	155	113	106	68	62P	61	79	85	85	83	84	90	93	81	98	178	216	237	309	313	9980b	
21	243	165	244	178	194	229	118	116P	117	81	89	94	97	85	91	77	67	48	43	254	286	300	292	9980b	
22	139	119	79	50	95	124	147	199P	62	90	101	97	97	95	100	107	90	83	189	288	285	218	251	308	
23	282	199	186	288	318	323	304	298P	154	178	103	123	104	111	127	179	206	254	272	305	319	287	299	315	
24	309	290	282	294	296	299	303	208P	224	136	85	83	79	89	87	97	74	81	237	204	93	66	203	260	
25	66	67	55	59	69	56	185	115P	74	85	80	91	79	87	113	112	104	61	111	201	149	157	229	192	
26	212	292	226	216	260	128	186	226P	117	173	265	136	237	221	192	250	202	197	217	263	255	221	311	316	
27	271	318	321	311	329	314	260	302P	317	239	100	89	129	116	118	92	79	162	198	288	290	253	308	253	
28	303	314	318	313	319	326	326	311P	151	61	85	104	89	106	101	91	139	257	241	281	280	314	316	318	
29	320	319	321	312	322	303	297	278P	297	102	209	112	104	94	103	98	85	106	172	221	235	330	312	321	
30	183	309	230	272	226	203	181	187P	140	184	80	72	68	84	135	183	182	181	102	121	293	105	268	285	
31	320	327	259	298	322	319	325	296P	195	135	103	101	104	113	110	119	112	155	297	297	331	310	301		

Flags: Monthly Ave: 193

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

Monthly Matrix SO2 (MV17)

Station/Facility: MV17
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Dec 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	26	5	1	0	11	136	180	160P	73	9995c	333c	197	147	135	301	401	194	5	32	20	10	4	15	28	0	401
02	88	51	69	68	51	51	32	28P	16	9995c	11c	9995c	9c	10c	9995c	9995c	2	1	9979d	9979d	5	2	1	0	0	88
03	0	0	-1	0	0	0	0	0P	0	9995c	9978p	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
04	-1	0	0	-1	0	0	0	0P	2	9995c	5c	2	1	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	5
05	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	0
06	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
07	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1c	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
08	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
09	-1	-1	-1	-1	-1	-1	-1	10P	30	9995c	5c	9995c	6c	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	30
10	-1	-1	-1	-1	4	13	10	11P	152	9995c	43c	12	4	132	215	113	178	32	91	217	132	422	108	6	-1	422
11	2	1	16	69	6	2	1	82P	75	9995c	102c	269	140	193	793	37	11	6	3	2	3	0	0	0	0	793
12	0	0	0	0	5	9	4	11P	88	9995c	4c	1	0	0	0	0	-1	0	0	0	2	6	9	8	-1	88
13	4	31	134	47	43	27	70	54P	36	9995c	200c	91	7	5	1	15	317	35	3	3	66	9	7	59	1	317
14	101	192	203	15	20	12	221	207P	226	9995c	23c	5	2	1	0	0	0	12	3	15	73	29	8	11	0	226
15	5	17	1	0	0	0	0	0P	8	9995c	1c	0	0	0	0	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	17
16	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	9995c	0c	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
17	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	9979d	7	3	1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	7
18	-1	-1	-1	-1	0	14	59	58P	65	9995c	4c	1	0	0	0	0	0	0	0	0	2	1	0	0	-1	65
19	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	0	0	-1	-1	-1	-1	0	-1	-1	2	47	94	96	43	96
20	22	6	1	0	0	0	0	-1P	-1	9995c	1c	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22
21	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
22	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
23	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1c	9995c	0c	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	1
24	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	3c	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	3
25	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
26	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	2c	0	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	-1	2
27	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0c	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	0
28	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	3c	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	3
29	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1c	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
30	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	4c	9995c	0c	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4
31	0	25	48	69	176	103	76	55P	26	9995c	8c	3	1	0	0	0	0	0	0	0	1	0	6	13	0	176

Flags: Monthly: 15 Ave -1 Min Max
 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 - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly Matrix PM2.5 (MV17)

Station/Facility: MV17
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
 Month/Year: Dec 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	13	24	4	4	7	8	28	34	32	13	175	173	82	51	57	142	178	77	5	21	16	17	7	17	4	178	
02	21	44	25	29	26	25	23	21	21	11	184	17	17	22	22	23	21	4	6	4	2	5	7	8	2	184	
03	7	5	2	3	6	9	10	8	8	6	OP	-13	5	4	5	6	6	7	5	6	7	7	7	8	-13	10	
04	10	10	11	13	14	21	17	17	14	17	13	11	8	8	7	5	4	2	6	6	4	7	5	3	2	21	
05	4	4	5	5	5	6	6	6	4	4	5	7	7	7	8	7	8	9	5	4	7	7	5	6	4	9	
06	7	7	7	5	4	6	7	5	5	8	5	3	5	5	5	5	3	6	6	4	9	7	5	7	3	9	
07	7	8	7	5	4	6	9	5	4	6	6	7	7	7	6	6	6	6	7	6	5	5	4	3	3	9	
08	4	6	7	5	6	6	6	6	5	7	6	6	8	4	3	6	9	11	8	3	4	9	8	7	3	11	
09	8	6	5	5	5	6	6	6	30	29	20	5	6	6	5	5	7	7	5	5	7	6	3	3	3	30	
10	6	6	3	5	10	17	16	13	12	74	188	17	17	13	52	58	68	71	17	48	99	58	209	56	3	209	
11	2	5	7	7	11	10	8	8	84	31	24	51	154	78	74	415	16	15	14	12	11	9	6	5	2	415	
12	6	6	4	4	7	10	13	12	10	68	7	5	4	6	6	6	6	6	6	7	8	9	18	20	4	68	
13	11	11	21	86	31	31	10	40	33	9	39	136	23	6	7	8	10	132	7	8	6	28	6	4	4	136	
14	24	31	42	71	12	13	11	89	84	75	80	15	11	7	8	6	4	6	20	11	18	41	13	12	4	89	
15	10	7	6	7	3	5	9	9	6	5	6	7	5	6	6	5	8	9	7	6	9	8	5	4	3	10	
16	9	10	6	5	8	8	7	9	8	7	8	9	10	9	6	5	5	7	6	6	6	7	6	7	5	10	
17	7	5	3	2	6	5	2	4	6	8	8	6	6	7	9979d	7	6	3	3	3	2	1	4	5	2	1	9
18	3	4	3	3	4	4	24	77	78	67	17	10	5	4	8	9	9	7	5	5	6	7	11	9	3	78	
19	7	6	5	5	6	5	5	6	6	5	6	7	5	3	2	2	4	6	6	9	10	44	75	75	2	75	
20	28	22	11	6	1	2	2	3	6	7	5	5	6	6	4	5	7	8	6	6	9	8	6	6	1	28	
21	6	6	5	5	4	4	5	5	6	7	6	6	6	6	5	4	6	9	7	6	7	6	7	6	4	9	
22	5	4	3	5	5	5	6	6	3	4	4	6	9	9	6	4	5	7	8	6	6	7	6	4	3	9	
23	3	2	4	4	4	4	5	6	7	6	4	7	5	3	2	1	2	4	4	2	3	3	2	2	1	7	
24	4	4	1	1	2	3	3	3	4	7	6	6	6	6	4	4	4	3	3	7	9	6	7	6	1	9	
25	4	6	4	4	4	4	7	6	5	3	3	4	4	4	6	8	8	7	7	8	9	6	2	4	2	9	
26	4	5	5	4	5	2	3	4	4	2	2	8	6	3	4	4	3	4	7	8	7	6	3	5	2	8	
27	6	5	6	5	2	3	8	9	6	6	4	5	5	3	3	7	9	6	5	3	3	4	3	3	2	9	
28	7	8	7	6	7	7	5	3	3	3	1	0	1	2	1	3	5	5	3	6	8	5	5	4	0	8	
29	3	4	3	4	6	3	5	6	3	5	5	7	7	5	4	4	4	4	5	5	6	6	5	9980b	3	7	
30	3	5	5	3	7	5	4	4	5	6	3	2	3	6	8	6	2	0	3	6	4	2	17	9980b	0	17	
31	7	8	7	9	7	7	10	9	10	12	11	9	6	6	9	6	5	6	4	6	10	19	10	13	4	19	

Flags: Monthly: 13 Ave -13 415
 b = Bad Condition - Invalid Hour (9980)
 d = Off-Line Part of Hour - Invalid Hour (9979)
 P = Power Failure - Valid Hour

Wind Speed (MV17)

Station/Facility: MV17
 Parameter: WS (MPH) Wind Speed
 Month/Year: Dec 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	3.9	5.7	5.3	3.8	3.8	4.0	3.1	3.3P	5.0	6.1	7.8	8.1	8.9	8.7	8.9	6.8	7.8	4.1	1.5	0.9	2.3	3.1	4.3	3.7	0.9	8.9
02	6.9	6.9	5.7	5.6	5.8	6.0	6.0	6.3P	4.4	5.6	7.1	7.8	8.7	8.4	8.6	7.6	7.0	2.7	1.9	1.6	1.5	1.6	1.8	2.3	1.5	8.7
03	2.5	2.0	2.5	2.4	2.9	3.6	2.7	3.0P	3.1	3.8	6.5P	6.8	7.6	8.3	6.0	4.2	3.1	1.8	1.4	1.1	1.5	1.9	2.4	2.5	1.1	8.3
04	3.2	3.3	3.4	3.6	3.3	2.4	3.9	3.9P	1.9	3.0	3.2	4.2	4.7	4.6	3.7	3.0	1.7	1.7	2.6	2.8	2.1	2.7	2.4	1.8	1.7	4.7
05	2.3	2.2	2.8	1.8	1.8	2.5	1.8	1.6P	2.8	3.8	4.6	5.7	5.2	5.7	5.2	5.3	3.8	2.3	1.7	1.5	1.9	1.7	1.9	2.3	1.5	5.7
06	2.7	3.4	4.2	4.0	4.5	5.1	4.9	4.6P	2.2	2.0	2.2	3.6	5.1	5.3	4.4	3.7	3.4	1.5	1.4	2.4	2.6	3.5	4.5	5.1	1.4	5.3
07	2.6	4.8	3.0	4.3	3.1	4.0	3.0	2.4P	2.6	3.5	3.5	4.1	4.3	5.2	4.0	4.5	4.1	4.1	3.2	3.2	3.1	3.7	2.6	2.4	2.4	5.2
08	2.6	2.3	3.5	3.5	4.2	3.5	3.0	3.4P	4.2	2.4	2.8	3.4	4.0	4.2	4.5	4.3	2.8	1.5	1.9	2.5	3.4	4.2	4.4	4.3	1.5	4.5
09	3.8	4.5	5.1	4.6	4.0	4.2	3.7	4.1P	4.2	3.1	3.4	3.5	3.8	5.6	7.0	5.5	4.3	3.5	1.5	1.4	2.6	2.4	2.0	2.8	1.4	7.0
10	2.9	2.3	2.3	2.2	3.2	3.1	4.0	4.1P	5.0	5.6	6.0	6.6	7.1	7.5	7.5	6.9	5.9	2.5	2.8	3.8	4.4	6.8	4.3	6.2	2.2	7.5
11	6.5	7.9	7.9	6.0	5.2	4.3	3.2	3.0P	5.5	7.5	7.3	8.0	8.2	7.6	5.2	3.6	1.7	1.4	3.7	2.7	3.2	4.7	1.6	1.5	1.4	8.2
12	2.0	3.0	2.9	4.0	3.6	4.8	4.3	4.7P	2.9	2.9	2.8	3.3	3.8	4.6	4.9	4.7	2.8	1.5	2.7	3.0	3.3	2.9	4.3	4.3	1.5	4.9
13	4.7	5.4	5.7	4.7	4.8	4.9	5.1	5.2P	4.7	5.7	6.8	6.5	6.6	5.4	5.3	6.5	5.4	5.6	4.6	4.1	6.0	5.9	4.1	5.1	4.1	6.8
14	3.8	5.6	2.5	2.1	1.7	1.5	4.1	4.5P	5.7	4.6	4.8	5.3	5.9	5.5	4.4	3.8	3.6	2.8	3.6	3.8	4.4	6.8	4.3	6.2	2.2	7.5
15	1.8	2.5	2.5	2.1	3.0	3.0	3.0	3.2P	3.0	3.1	3.4	4.1	6.3	7.2	7.1	5.8	4.6	5.2	1.5	2.2	2.2	2.4	1.4	1.4	1.4	8.2
16	1.4	1.2	2.1	2.5	3.1	2.8	4.1	3.8P	3.1	2.0	2.3	2.1	4.4	4.0	4.1	4.9	6.5	2.8	2.5	3.3	3.6	3.6	3.3	2.9	1.2	6.5
17	3.4	3.3	4.0	4.7	5.0	4.1	3.7	3.5P	2.8	3.9	4.8	3.6	4.4	4.8	3.7	7.3	3.7	2.4	2.0	1.8	2.6	2.6	3.5	3.1	1.8	7.3
18	3.4	3.8	3.3	3.7	3.6	4.2	3.2	3.1P	2.0	5.1	3.6	4.2	6.1	5.3	7.5	9.0	5.9	4.3	3.0	2.7	3.1	4.5	3.2	2.9	2.0	9.0
19	3.4	3.1	2.6	2.2	2.5	2.7	2.8	2.6P	2.5	3.9	4.7	3.3	5.0	5.0	4.6	3.6	2.8	1.5	2.2	3.7	4.3	3.7	2.7	2.8	1.5	5.0
20	2.5	2.8	2.5	1.6	1.7	2.7	3.2	2.8P	2.5	3.5	1.9	2.9	3.6	4.9	5.6	5.5	5.7	1.7	1.3	2.3	3.6	2.9	4.1	3.8	1.3	5.7
21	3.5	3.7	2.9	4.1	2.4	4.9	5.2	4.6P	2.3	2.7	4.2	4.3	4.4	2.7	3.8	5.7	5.5	2.8	1.5	1.6	3.3	3.3	2.0	2.6	1.5	5.7
22	3.8	2.7	2.6	2.0	1.5	2.6	2.7	3.1P	2.2	2.7	5.4	4.9	6.7	6.3	5.4	4.3	3.9	1.6	1.9	3.7	3.9	2.1	2.8	3.7	1.5	6.7
23	3.7	4.2	4.7	3.8	4.6	3.5	3.9	3.5P	2.8	3.3	4.1	4.7	5.5	4.0	4.5	4.0	3.2	2.1	2.3	3.0	2.2	2.1	2.5	2.1	2.1	5.5
24	2.4	2.5	3.3	2.3	2.2	2.2	2.0	2.3P	3.4	3.4	5.4	6.2	5.1	5.1	4.7	4.9	4.7	3.3	2.6	2.3	1.9	2.3	2.4	3.7	1.9	6.2
25	3.2	2.6	3.6	2.8	4.0	4.0	4.3	4.3P	3.2	2.0	2.5	2.5	2.6	2.8	2.7	2.4	3.5	2.5	3.3	3.6	3.5	2.0	3.6	2.9	2.0	4.3
26	2.9	4.2	5.1	6.1	7.0	5.7	2.3	2.8P	3.6	5.1	5.2	3.6	3.4	3.2	3.7	3.5	3.9	5.5	4.7	4.2	4.6	3.8	3.5	4.2	2.3	7.0
27	3.7	3.0	2.4	2.8	2.9	2.2	2.1	2.5P	2.8	2.3	2.7	2.4	2.6	4.0	5.2	4.0	1.6	2.8	2.0	2.2	2.2	3.2	4.2	4.1	1.6	5.2
28	4.3	3.6	3.3	3.9	3.4	3.9	4.0	4.0P	3.5	3.4	2.6	1.7	2.1	2.5	4.0	2.7	1.8	2.4	2.5	2.5	2.5	3.0	3.7	4.0	1.7	4.3
29	3.0	2.7	1.6	2.6	3.3	2.8	1.8	1.9P	2.6	1.6	2.3	2.2	3.2	3.9	3.3	2.1	1.8	1.9	3.1	2.7	2.8	2.8	3.3	9980b	1.6	3.9
30	3.3	2.0	1.9	2.3	3.1	2.8	2.7	2.0P	3.8	2.1	3.2	2.3	2.9	3.4	3.4	2.2	2.7	2.2	2.5	1.9	4.3	6.6	4.9	9980b	1.9	6.6
31	3.1	3.4	3.2	1.9	1.9	2.1	3.0	2.4P	1.9	2.4	3.1	4.7	2.5	4.7	6.2	4.9	3.7	1.8	2.6	3.0	3.4	2.7	4.4	5.5	1.8	6.2

Flags: Monthly: 3.7 Ave 9.0 Max
 b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour

Wind Direction (MV17)

Station/Facility: MV17
Parameter: WD (DEG) Wind Direction
Month/Year: Dec 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	238	220	223	234	252	257	243	244P	216	167	164	159	147	154	166	167	186	219	239	224	238	237	250	249
02	230	229	225	230	227	223	229	224P	200	164	148	139	136	139	129	129	120	139	169	196	188	166	191	218
03	235	224	249	244	230	223	233	228P	194	153	123P	124	123	103	93	79	73	69	236	302	278	268	252	250
04	253	249	257	263	257	270	258	258P	134	67	60	76	106	75	122	90	87	94	66	117	273	267	274	260
05	240	253	243	264	210	280	244	256P	252	101	66	66	69	80	100	77	72	152	265	274	270	200	265	262
06	234	267	269	269	262	260	257	256P	262	157	125	101	93	83	63	73	72	75	266	254	258	260	259	258
07	238	260	261	260	242	263	274	265P	118	74	74	80	70	90	84	73	82	75	139	257	220	264	277	269
08	257	246	280	229	262	213	245	259P	260	127	112	111	98	66	67	66	75	213	277	260	259	259	255	251
09	226	235	243	246	247	247	244	235P	221	209	192	164	137	101	105	125	125	117	194	231	233	238	229	201
10	206	206	177	208	223	215	217	209P	199	174	151	150	171	188	170	188	171	109	177	221	202	195	158	189
11	208	201	203	171	150	156	121	127P	158	175	158	171	172	178	173	119	202	211	219	233	275	228	189	195
12	270	268	252	253	242	225	226	219P	199	185	177	139	140	134	132	136	137	152	216	246	246	233	227	225
13	231	228	232	215	223	217	214	216P	203	171	165	160	189	166	175	188	180	181	200	165	169	182	161	181
14	170	180	189	262	250	225	214	180P	133	90	104	132	136	142	143	146	177	174	195	210	211	239	227	235
15	237	215	205	211	159	180	208	222P	231	208	210	196	113	117	121	137	137	119	176	160	179	191	183	163
16	199	265	265	269	260	219	267	263P	252	202	148	211	97	126	109	90	121	159	231	251	253	258	254	245
17	229	246	244	256	243	252	247	248P	217	198	182	114	105	73	78	99	180	245	221	190	142	228	235	243
18	238	239	244	236	238	238	244	242P	196	164	207	154	123	135	113	116	129	137	191	227	220	236	238	226
19	212	222	213	242	245	240	241	234P	180	132	109	105	96	94	98	125	117	180	240	248	248	250	234	240
20	226	237	250	266	155	143	117	111P	152	149	120	150	100	89	86	93	94	109	213	257	261	248	263	272
21	265	263	249	270	226	265	264	262P	226	149	112	101	98	107	104	114	91	118	219	227	158	239	207	250
22	254	230	239	235	256	246	255	256P	266	132	92	77	92	86	78	75	64	127	251	263	268	243	200	258
23	268	264	254	265	263	255	258	263P	278	196	80	108	112	111	154	141	87	227	186	258	248	268	266	262
24	264	271	217	265	271	265	269	267P	239	185	75	111	120	126	174	184	153	212	213	212	269	268	246	266
25	272	270	269	262	239	263	263	265P	246	259	236	216	180	159	158	207	167	247	252	190	232	243	215	166
26	159	131	172	238	237	184	174	224P	257	273	263	246	271	261	260	272	270	259	261	243	252	259	263	254
27	278	270	214	219	254	246	215	229P	250	259	234	200	175	86	86	87	170	79	174	286	165	237	255	260
28	264	258	261	244	241	245	253	254P	269	265	249	171	214	136	80	78	181	251	256	266	220	258	249	262
29	263	275	246	266	271	283	280	282P	272	254	257	210	122	75	86	275	242	259	268	246	254	227	254	9980b
30	241	249	260	253	247	240	255	239P	271	283	257	250	265	262	256	256	265	219	250	233	239	234	242	9980b
31	243	207	224	242	188	247	247	237P	247	148	132	117	124	134	120	139	136	168	197	163	250	217	257	253

Flags: b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour
 Monthly Ave: 200

Monthly Matrix SO2 (HL11)

Station/Facility: HL11
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Dec 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	102	117	36	51	34	16	13	42P	55C 9995C	172C	50	23	9995C	9995C	21	6	6	15	10	8	8	6	172				
02	9	14	25	43	67	68	89	149P	340C 9995C	22C	11	9995C	6	3	2	2	2	2	2	2	2	2	2	3	2	340	
03	5	3	22	82	151	336	668	1000P	553C 9995C	12C	6	9995C 9978P	9979d	6D	5	4	3	3	3	2	2	2	3	3	2	1000	
04	4	4	4	3	3	3	3	3P	3C 9995C	3C	3	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	4
05	1	1	1	1	1	1	1	1P	1C 9995C	4C	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
06	1	1	1	1	1	1	1	1P	1C 9995C	3C	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	3
07	1	1	1	1	1	1	1	1P	1C 9995C	5C	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	5
08	1	1	1	1	1	1	1	1P	1C 9995C	4C	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	4
09	1	1	1	1	1	1	1	1P	2C 9995C	5C	3	9995C	2C	2	5	3	7	3	2	2	2	2	1	1	1	1	7
10	2	3	8	15	20	39	72	59P	30C 9995C	13C	8	5	12	9	32	44	49	92	82	255	232	52	21	2	2	255	
11	22	14	9	8	9	6	65	26P	28C 9995C	11C	69	68P	89	16	8	5	4	4	3	2	2	2	2	2	2	89	
12	1	1	1	1	1	1	2	9P	30C 9995C	17C	4	3	2	2	2	3	5	2	2	2	8	17	6	4	1	30	
13	3	3	14	12	36	51	36	39P	21C 9995C	207C	117	29	22	5	7	45	20	9	7	19	14	11	21	3	207		
14	20	30	19	38	23	12	9	14P	19C 9995C	7C	4	3	2	2	2	1	1	1	4	36	36	12	15	8	1	38	
15	6	9	31	12	4	3	3	2P	3C 9995C	5C	3	2	2	1	1	1	1	2	2	1	1	1	1	1	1	31	
16	1	1	1	1	1	1	1	1P	1C 9995C	5C	2	9995C	3	2	2	2	2	2	2	1	1	2	2	2	1	5	
17	4	3	2	2	1	1	1	1P	1C 9995C	4C	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	4	
18	1	1	1	1	5	25	53	70P	85C 9995C	6C	3	2	2	2	2P	2	2	2	1	1	1	2	1	1	1	85	
19	1	1	1	1	1	1	1	1P	1C 9995C	5C	4	2	2	1	1	1	1	1	2	2	4	10	11	15	1	15	
20	7	7	5	2	1	1	1	1P	1C 9995C	5C	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	7	
21	1	1	1	1	1	1	1	1P	1C 9995C	5C	2	2	2	1	2	1	2	2	1	1	1	1	1	1	1	5	
22	1	1	1	1	1	1	1	1P	1C 9995C	5C	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	5	
23	1	1	1	1	1	1	1	1P	1C 9995C	4C	2	9995C	3C	2	1	1	1	1	1	1	1	1	1	1	1	5	
24	1	1	1	1	1	1	1	1P	1C 9995C	5C	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	4	
25	1	1	1	1	1	1	1	1P	1C 9995C	5C	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	5	
26	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
27	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
28	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
29	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2P	3	2	2	1	1	1	1	1	1	1	1	1	3
30	1	1	1	1	1	1	1	1P	1C 9995C	4C	3	9995C	5	2	2	2	2	2P	1	2	1	1	1	1	1	1	5
31	1	5	17	22	8	8	17	24P	17C 9995C	14C	12	7	3	3	4	4	3	3	3	3	3	2	2	5	1	24	

Flags: Monthly: 14 Ave Min Max
 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 - Invalid Hour
 p = Power Failure - Invalid Hour (9978)
 Report Template Nr 3, Monthly Data Matrix, Version 3.4
 Report Printed: 02 Jan 2009 08:46

Monthly Matrix PM2.5 (HL11)

Station/Facility: HL11
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
 Month/Year: Dec 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	9	89	91	49	55	26	15	14	26	22	64	73	25	21	14	25	23	20	13	12	12	22	25	27	9	91	
02	21	25	25	30	32	27	33	35	34	72	122	18	13	8	5	4	4	5	4	3	4	6	7	9	3	122	
03	12	12	10	34	59	64	87	112	113	24	2	2	2	2	9978p	-14	4	5	7	6	5	6	4	5	-14	113	
04	25	22	22	19	21	18	14	13	13	13	12	7	5	4	1	2	2	4	8	3	0	2	4	3	0	25	
05	4	3	1	2	5	5	3	3	3	2	3	5	0	1	4	2	-1	1	4	4	4	3	3	2	-1	5	
06	2	4	1	1	4	2	2	3	3	4	5	3	3	2	4	3	3	2	3	3	4	5	4	2	1	5	
07	3	2	1	2	4	2	2	5	8	6	3	5	5	3	4	4	4	3	3	3	2	4	5	2	1	8	
08	1	3	3	1	2	4	4	3	2	3	3	5	7	4	3	6	5	2	2	5	5	2	2	4	1	7	
09	4	3	3	4	4	4	3	1	0	5	10	9	3	0	1	2	3	4	7	7	6	6	4	4	0	10	
10	5	5	7	22	26	25	40	60	31	34	78	9	6	5	10	8	23	21	14	51	31	139	66	23	5	139	
11	4	4	4	3	5	6	7	41	10	11	10	10	OP	23	22	9	9	7	5	8	10	7	4	3	0	41	
12	4	5	4	5	1	2	2	2	7	30	61	18	10	6	3	4	7	4	1	6	8	8	17	11	1	61	
13	11	10	6	19	14	8	6	24	12	12	34	105	38	18	5	7	10	27	9	10	8	10	16	16	5	105	
14	20	16	15	22	27	19	15	14	21	14	11	7	5	4	5	4	3	3	2	7	28	35	18	17	2	35	
15	7	6	6	6	3	1	2	1	1	4	9	8	5	5	5	7	7	5	5	5	6	4	5	6	1	9	
16	6	7	6	7	9	6	9978p	7	6	2	2	5	4	4	4	7	6	4	5	5	5	8	9	6	2	9	
17	7	10	12	8	7	5	3	3	2	3	5	4	6	9	8	3	2	3	5	6	4	7	6	2	2	12	
18	0	1	3	4	5	9	30	45	45	59	8	6	5	5	2	2	0	4	5	4	3	4	5	4	0	59	
19	3	0	1	1	1	2	4	4	4	3	6	7	4	7	7	7	7	7	8	9	8	5	7	11	0	11	
20	16	7	9	8	4	4	4	4	2	2	3	4	4	7	10	7	5	5	6	7	6	7	7	3	2	16	
21	5	6	4	3	4	4	2	2	2	3	5	3	5	6	3	5	8	8	7	7	8	6	4	3	2	8	
22	1	1	2	3	3	4	4	1	1	2	4	6	7	8	8	7	7	4	4	5	4	3	4	2	1	8	
23	1	2	2	4	2	2	5	3	2	3	2	4	5	4	4	6	5	6	6	3	4	3	2	2	1	6	
24	0	3	0	1	2	1	2	1	4	5	4	5	7	8	6	5	6	4	5	5	5	5	5	9980b	0	8	
25	6	5	4	2	2	5	4	3	2	2	3	3	3	5	5	1	0	5	4	3	4	9980b	9980b	9980b	0	6	
26	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
27	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
28	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
29	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9979l	9979l	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
30	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	9979d	9979d
31	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	9979d	9979d

Flags:
 b = Bad Condition - Invalid Hour (9980)
 d = Off-Line Part of Hour - Invalid Hour (9979)
 l = Negative Over Range - Invalid Hour (9979)
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly: 10 Ave -14 Min 139 Max

Wind Speed (HL11)

Station/Facility: HL11
 Parameter: WS (MPH) Wind Speed
 Month/Year: Dec 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	2.3	1.6	1.7	1.6	2.7	2.3	2.5	2.9P	2.8	1.3	2.8	3.1	3.6	4.9	5.2	4.1	3.7	2.3	2.7	3.0	3.2	2.6	1.4	2.1	1.3	5.2	
02	2.4	2.7	2.3	2.4	2.3	2.2	3.1	2.3P	2.0	4.2	6.0	5.5	6.8	6.7	6.2	5.7	5.1	3.3	1.4	1.5	2.4	1.8	2.8	2.7	1.4	6.8	
03	2.2	2.5	3.2	3.1	3.4	3.5	3.3	3.4P	2.9	4.1	6.5	6.0	6.3	5.6P	4.8	3.6	2.9	1.7	1.3	1.5	1.9	2.3	2.6	3.1	1.3	6.5	
04	2.9	3.5	3.5	3.3	3.8	3.6	3.7	3.1P	1.2	1.7	4.6	5.2	4.6	3.7	3.3	2.6	1.8	1.5	2.3	2.0	5.0	4.0	4.9	4.7	1.2	5.2	
05	2.6	3.9	4.0	3.8	2.2	4.2	2.5	2.8P	2.6	3.2	3.2	4.8	6.3	4.7	5.2	3.9	3.4	1.6	2.8	2.9	3.0	3.0	3.2	3.6	1.6	6.3	
06	3.0	3.7	3.9	3.6	3.8	3.5	3.9	3.7P	2.9	1.8	3.1	5.4	5.3	5.1	4.6	4.1	3.9	1.6	1.6	2.3	2.6	2.4	3.1	3.4	1.6	5.4	
07	2.2	3.3	2.8	3.3	1.3	2.7	2.5	2.1P	2.2	1.9	2.9	2.9	4.7	3.4	2.6	2.8	3.8	3.5	2.2	1.6	3.3	4.0	3.0	2.9	1.3	4.7	
08	2.3	2.8	4.8	3.9	3.5	3.3	2.4	2.5P	4.1	3.6	3.7	1.4	3.9	4.8	5.2	4.2	2.6	1.0	2.4	2.6	2.7	2.9	3.3	2.9	1.0	5.2	
09	2.5	3.2	4.0	4.2	2.8	3.2	3.0	3.1P	2.8	2.2	3.7	4.4	5.9	4.8	4.0	3.7	3.2	2.3	1.2	1.6	2.1	2.0	2.2	2.0	1.2	5.9	
10	1.6	2.4	3.0	2.6	1.8	1.5	1.7	2.4P	2.0	4.2	5.9	6.4	5.6	7.0	7.0	5.7	4.3	3.6	2.4	2.9	1.3	1.5	2.4	2.7	1.3	7.0	
11	2.9	3.2	3.4	2.6	3.8	3.4	2.7	2.8P	4.2	7.1	8.3	6.8	7.1P	5.4	2.4	3.1	2.6	1.9	1.5	3.0	3.8	2.2	2.7	2.2	1.5	8.3	
12	2.5	2.6	2.6	2.9	2.6	3.4	3.4	3.2P	2.3	2.1	1.4	2.5	3.9	4.0	5.1	4.0	3.0	0.9	2.3	2.8	3.2	2.4	2.2	2.5	0.9	5.1	
13	2.8	2.0	2.3	2.4	3.2	2.9	2.7	2.2P	1.8	4.0	6.4	6.6	5.4	3.6	3.7	3.1	3.7	2.3	1.7	0.8	1.1	1.0	1.7	2.1	0.8	6.6	
14	2.3	2.0	2.1	1.5	1.3	1.1	1.6	1.1P	1.4	1.4	3.6	3.1	3.5	3.3	3.5	2.1	1.9	1.2	1.3	1.1	1.8	1.4	0.9	1.7	0.9	3.6	
15	1.0	2.0	2.4	3.2	2.8	3.2	2.4	2.8P	4.2	2.6	2.2	2.2	1.3	2.1	3.7	4.3	4.2	2.4	1.3	2.0	2.3	2.3	2.3	1.7	1.0	4.3	
16	2.0	2.1	2.7	2.3	2.6	3.1	3.4	3.4P	2.5	2.6	3.1	2.9	4.0	3.4	4.6	5.4	4.0	2.4	2.3	3.2	2.9	4.2	5.0	4.7	2.0	5.4	
17	4.1	4.2	3.7	2.3	2.3	4.1	2.9	3.5P	2.7	1.8	2.5	2.4	3.2	2.8	2.8	2.6	2.3	2.2	3.0	2.8	3.1	3.0	2.9	2.7	1.8	4.2	
18	3.0	3.0	3.3	3.8	3.9	4.3	4.2	3.9P	1.9	3.1	3.3	5.1	5.4	5.6	6.5P	6.2	6.2	2.2	2.1	2.3	2.2	3.0	4.2	3.7	1.9	6.5	
19	3.6	3.4	2.9	2.8	2.5	2.5	2.5	2.3P	2.3	2.9	3.6	3.9	4.8	4.7	4.8	4.1	2.3	1.4	2.2	3.1	2.9	2.7	2.8	2.9	1.4	4.8	
20	2.0	1.8	2.4	2.4	2.1	2.1	1.6	2.5P	2.2	2.1	2.2	2.4	2.2	2.5	3.2	4.6	2.7	1.6	2.0	2.4	2.7	2.7	4.1	3.7	1.6	4.6	
21	3.3	3.9	3.9	4.6	3.1	2.7	4.9	4.0P	2.8	3.2	3.7	3.6	5.2	4.5	5.5	5.1	4.2	1.6	1.5	1.7	2.6	2.5	3.6	2.9	1.5	5.5	
22	3.7	3.7	2.9	2.1	1.7	2.4	2.8	2.6P	3.5	2.4	4.7	4.0	3.7	3.9	3.7	4.1	1.6	1.2	2.3	2.7	3.7	3.2	3.1	3.3	1.2	4.7	
23	4.7	4.1	4.3	3.2	3.4	3.6	3.7	3.3P	2.0	2.1	4.4	3.7	3.7	5.1	4.3	3.4	2.8	2.8	3.2	3.3	4.5	3.6	4.5	4.4	2.0	5.1	
24	4.7	4.4	4.2	4.3	3.7	4.4	3.5	4.5P	3.4	3.4	4.6	3.9	5.2	5.0	3.7	3.9	4.1	3.6	3.8	2.8	2.5	2.6	3.5	9980b	2.5	5.2	
25	3.3	3.4	3.1	3.2	3.0	3.1	3.9	2.9P	3.1	1.5	2.6	2.5	1.7	3.8	3.6	2.8	3.6	3.2	3.0	4.8	4.6	9980b	9980b	9980b	1.5	4.8	
26	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
27	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
28	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
29	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.7P	2.1	2.3	1.9	2.4	2.7	2.0	2.0	1.7	2.1	2.6	2.3	1.7	2.7	
30	2.5	2.5	2.1	1.1	3.0	2.2	1.9	1.8P	3.5	3.2	2.4	1.5	3.3	2.1	2.8	2.5	1.3	1.1P	2.0	2.3	2.8	1.7	2.5	2.0	1.1	3.5	
31	1.4	2.3	1.7	2.0	1.4	2.0	1.2	1.9P	2.0	1.5	1.3	1.9	2.4	3.4	3.8	2.6	3.5	2.5	2.3	1.6	1.4	2.6	3.3	3.1	1.2	3.8	

Flags: Monthly: 3.1 Ave 0.8 Min 8.3 Max
 b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Wind Direction (HL11)

Station/Facility: HL11
 Parameter: WD (DEG) Wind Direction
 Month/Year: Dec 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	253	238	261	346	299	278	264	252P	254	100	348	34	78	111	105	85	55	357	307	283	275	271	264	261	
02	261	259	258	259	260	259	260	264P	200	116	136	132	114	116	95	83	97	117	156	180	201	218	249	252	
03	258	255	251	252	250	255	253	258P	200	144	117	107	107	100P	87	90	93	110	236	263	263	263	262	260	
04	261	257	257	259	258	259	262	266P	313	56	70	65	53	23	62	56	50	358	44	274	293	276	286	286	
05	268	286	292	285	280	280	264	261P	290	8	39	50	56	44	58	45	54	332	270	269	260	265	264	270	
06	251	263	266	266	259	262	257	256P	253	147	135	91	87	107	100	77	74	126	252	266	265	263	261	260	
07	193	258	278	263	166	252	264	267P	272	304	66	106	93	23	30	32	76	100	171	250	232	264	261	269	
08	260	216	285	275	270	264	262	241P	260	267	285	214	60	53	55	60	50	306	260	262	262	261	261	263	
09	258	237	256	270	264	260	264	261P	259	223	134	137	113	109	90	102	105	100	182	257	252	260	262	262	
10	241	255	253	247	257	236	190	247P	252	109	124	132	153	140	117	128	134	126	156	167	172	178	243	258	
11	269	255	265	262	255	258	254	256P	152	130	123	124	126P	113	39	350	315	193	230	274	275	118	232	258	
12	265	262	263	262	262	255	253	258P	249	251	207	212	151	140	123	120	126	156	243	252	255	254	258	253	
13	244	243	237	231	247	247	224	235P	187	131	132	141	153	156	158	160	120	130	175	183	226	252	270	265	
14	284	270	267	306	298	268	259	264P	283	57	95	146	112	137	158	161	197	191	232	231	254	238	280	252	
15	259	248	243	258	252	250	263	250P	249	237	228	256	258	251	137	117	118	136	198	231	217	245	235	253	
16	263	264	266	267	262	259	241	265P	251	198	176	159	129	132	122	106	122	156	229	247	251	252	254	254	
17	256	254	256	264	269	259	252	263P	253	139	236	210	249	208	259	201	183	216	248	256	248	257	254	258	
18	257	251	249	251	254	253	253	252P	203	152	159	127	113	125	115P	115	120	154	184	223	243	230	252	249	
19	251	255	262	260	259	259	260	254P	230	172	140	130	115	114	107	113	146	193	260	256	267	262	260	264	
20	257	256	243	251	266	261	261	236P	255	239	236	210	146	144	133	129	154	236	247	265	263	253	279	260	
21	261	259	242	256	228	226	271	265P	256	172	143	137	124	125	118	112	114	181	205	226	210	230	244	241	
22	263	254	254	265	262	259	254	264P	246	165	101	89	97	82	72	61	19	255	263	264	266	233	250	254	
23	260	262	266	255	256	258	259	265P	259	152	56	57	61	68	51	28	46	317	281	302	289	290	286	292	
24	286	283	282	276	280	284	280	282P	282	13	48	54	53	9	357	336	336	297	290	260	261	258	267	9980b	
25	258	262	260	261	273	254	267	258P	266	50	207	249	196	205	238	253	287	255	273	274	275	9980b	9980b	9980b	
26	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	
27	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	
28	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	
29	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	55P	68	200	265	262	266	266	266	266	271	255	255
30	258	266	263	263	263	260	256	263P	256	245	292	340	250	299	282	256	218	214P	273	247	259	258	262	247	
31	261	274	256	269	205	263	277	262P	253	200	163	126	197	138	118	94	100	108	172	124	219	255	248	244	

Flags: Monthly Ave: 212

b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly Matrix SO2 (KN12)

Station/Facility: KN12
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Dec 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	1	0	-1	-1	-1	-1	-1	-1	-1	9995c	5	2	0	-1	-1	-1C 9995c	1C	-1	-1	-1	-1	-1	-2	-2	5
02	-2	-2	-2	-2	-2	-2	-1	-1	1	3	9995c	6	9	9995c	27	30	14	7	8	13	11	12	24	43	-2	43
03	85	115	173	137	108	92	60	58	66	68	9995c	39	29	43	56	37	17	11	11	8	10	13	9	8	8	173
04	12	15	13	14	15	18	17	14	17	49	9995c	40	39	46	75	95	84	71	60	47	48	36	23	15	12	95
05	9	8	9	6	8	7	5	6	5	7	9995c	14	5	2	6	14	10	9	15	13	10	5	2	1	1	15
06	0	-1	-1	-1	0	0	-1	0	0	1	9995c	3	2	4	4	4	3	2	1	1	0	0	-1	-1	-1	4
07	-1	-1	-1	-1	-1	-1	-1	-1P	0	0	9995c	2	2	1	1	1	1	0	0	0	0	0	-1	-1	-1	2
08	0	-1	-1	-1	-1	-1	-1	-1	-1	0	9995c	2	3	2	3	1	1	0	-1	-1	-1	0	0	0	-1	3
09	0	0	0	0	0	-1	-1	-1P	-1	4	9995c	10	9	9995c	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	10
10	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	9995c	1	0	0	0	0	0	0	-1	-1	-1	-1	-1	-2	-2	1
11	-2	-1	-2	-2	-2	-2	-2	-2	-2	-1	9995c	1	-1	-1	-1	-2	-2	-2	-1	9978p	9978p	9978p	9978p	9978p	-2	1
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	-2	-2	-2	9995c	0	-1	-1	-1	-1	-1	0	-1	-1	0	-1	-1	-1	-2	0
13	-2	-2	-1	-1	-1	0	-1	-1	0	1	9995c	3	4	5	5	3	2	1	0	0	-1	-1	0	-1	-2	5
14	-1	-1	-1	-1	0	0	-1	-1	-1	-1	9995c	2	0	0	0	2	3	2	1	1	1	2	0	-1	0	3
15	0	-1	0	-1	-1	-1	-1	-1	0	0	9995c	1	0	0	1	1	0	0	0	-1	-1	-1	-1	-1	-1	1
16	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	9995c	3	3	9995c	3	4	4	4	3	1	1	1	0	0	-1	4
17	-1	0	0	-1	-1	-1	-1	-1	0	0	9995c	2	1	2	3	3	1	1	-1	-1	-1	-1	-1	-1	-1	3
18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	9995c	2	1	1	1	0	0	0	0	0	0	0	-1	-1	-1	2
19	-1	-1	-1	0	0	-1	-1	-1	0	0	9995c	1	0	0	0	0	-1	0	-1	-1	-1	-1	-1	-1	-1	1
20	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	9995c	2	2	3	2	2	1	0	0	0	0	0	-1	-1	-1	3
21	-1	-1	-1	-1	-1	-1	-1	-1	0	2-	9995c	4	2	2	1	1	0	0	0	0	0	-1	0	-1	-1	4
22	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	9995c	1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
23	-1	-1	-1	-1	-1	-1	-1	0	0	0	9995c	1	0	9995c	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	1
24	-1	-1	-1	-1	0	0	-1	-1P	-1	1	9995c	2	3	3	2	0	0	1	0	0	0	-1	-1	-1	-1	3
25	-1	-1	-1	0	-1	-1	-1	-1	0	0	9995c	2	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2
26	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	9995c	1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
27	-1	-1	-1	-1	-1	-1	-1	-1P	-1	-1	9995c	2-	0	0	0	-1	-1	-1	-1	-2	-1	-1	-1	0	-2	2
28	1	0	0	0	0	0	0	0	0	0	9995c	3	2	3	4	4	1	0	-1	-1	-1	-1	-1	-1	-1	4
29	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	9995c	9	8	13	19	20-	8-	3-	0	0-	0-	4-	23-	10	-1	23
30	1	0	1	1	0	0	0	0	0	1	9995c	6	5	9995c	3	1	0	0	-1	-1	-1	-1	-1	-1	-1	6
31	-1	-1	-1	-1	0	1	1	-1P	0	1	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	-1	1

Flags: Monthly: 4 Ave Min Max
 - = Negative Over Range - Valid Hour
 C = Calibration - Valid Hour
 c = Calibration - Invalid Hour (9995)
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly Matrix PM2.5 (KN12)

Station/Facility: **KN12**
 Parameter: **PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3**
 Month/Year: **Dec 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	21	12	8	4	5	3	1	1	1	2	2	5	9	8	5	2	-2	0	1	-3	-3	0	1	0	0	-3	21
02	1	1	1	3	6	7	6	5	6	9	11	13	12	21	32	37	42	25	21	25	36	32	38	40	1	42	
03	46	57	59	61	53	43	43	36	37	48	48	40	32	35	33	38	27	19	14	12	12	26	32	36	12	61	
04	35	38	41	39	42	36	37	40	32	32	47	45	36	40	44	54	57	57	56	55	51	59	54	45	32	59	
05	31	24	29	34	29	33	28	28	27	18	17	26	22	5	8	13	25	17	23	31	25	27	25	14	5	34	
06	16	7	7	8	11	19	15	15	15	21	17	12	13	18	13	14	15	13	10	10	11	13	18	18	7	21	
07	20	15	16	11	10	10	12	12	12	12	12	13	13	16	15	13	11	9	8	10	11	13	12	12	8	20	
08	13	14	14	13	16	11	12	12	13	15	15	15	10	9	14	14	12	12	10	8	9	8	8	8	8	16	
09	10	13	17	16	16	12	16	13	10	7	17	24	24	22	10	10	8	8	8	6	4	6	8	10	4	24	
10	13	16	15	13	12	12	11	12	12	12	12	10	11	11	11	12	10	10	10	10	10	10	9	5	5	16	
11	2	3	4	2	1	2	3	2	-2	-2	1	6	8	5	3	1	0	0	9978p	9978p	9978p	9978p	9978p	9978p	-2	8	
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2	-1	1	1	0	1	1	0	2	1	1	3	5	4	4	6	5	5	-1	6
13	6	3	0	1	1	2	6	3	0	6	7	7	9	19	17	16	10	12	11	8	8	8	5	9	0	19	
14	16	11	9	8	9	10	16	9	8	8	8	8	8	8	10	10	9	11	10	11	12	16	12	8	16	16	
15	19	10	10	10	9	7	8	11	12	12	10	8	9	10	8	9	10	7	6	9	9	8	7	8	6	19	
16	10	12	11	12	11	8	9	12	11	12	13	7	6	8	7	9	10	11	13	13	13	13	15	14	6	15	
17	12	12	14	14	11	9	8	7	9	12	15	13	10	10	13	15	15	14	12	9	4	7	10	11	4	15	
18	12	12	10	10	10	10	9	8	6	6	18	14	12	10	13	11	10	12	10	9	11	11	8	10	6	18	
19	13	18	12	16	13	19	13	13	12	12	21	17	11	8	7	10	11	9	7	8	8	7	7	5	5	21	
20	8	9	10	12	11	9	9	10	9	9	16	15	10	8	10	11	10	11	8	7	11	10	9	8	7	16	
21	8	11	12	12	11	9	8	9	10	13	14	14	13	12	13	10	17	10	12	11	11	11	12	16	8	17	
22	17	8	8	11	13	12	12	18	16	12	13	11	12	14	10	6	6	6	7	9	9	7	7	10	6	18	
23	13	13	13	14	17	16	16	13	17	16	14	14	12	9	9	9	9	10	10	10	8	10	11	10	8	17	
24	11	16	16	17	19	17	11	10	9	10	18	20	16	16	18	7	10	10	10	12	13	15	12	11	7	20	
25	11	12	18	8	12	13	11	11	11	13	14	11	12	10	10	14	10	7	6	7	8	7	9	11	6	18	
26	12	14	10	8	9	8	8	6	5	6	8	10	8	6	5	6	6	4	5	4	4	1	5	4	1	14	
27	3	4	2	3	4	2	0	1	-1	0	2	6	7	6	6	2	0	4	6	4	3	2	3	7	-1	7	
28	6	7	6	5	6	2	2	3	0	2	7	11	13	12	12	12	12	12	11	10	12	13	12	13	0	13	
29	13	16	17	12	14	13	12	13	11	10	12	16	18	17	19	22	19	12	8	6	11	16	14	17	6	22	
30	11	10	10	10	9	8	9	9	6	6	9	13	14	14	13	12	8	5	7	6	6	5	6	6	5	14	
31	5	8	9	10	13	12	12	12	8	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5	13	

Flags: p = Power Failure - Invalid Hour (9978) Monthly: 13 Ave -3 Min 61 Max

Wind Speed (KN12)

Station/Facility: KN12
 Parameter: WS (MPH) Wind Speed
 Month/Year: Dec 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	5.4	4.8	4.8	6.6	5.5	5.4	6.0	5.5	4.5	4.0	3.9	3.4	5.3	5.8	4.8	4.2	4.0	4.0	1.2	1.4	3.0	4.7	4.8	4.2	1.2	6.6
02	4.9	4.4	4.0	4.9	6.7	5.6	5.6	5.0	2.3	2.5	4.2	5.2	6.1	6.9	5.1	3.9	4.1	2.4	2.7	2.0	2.1	5.3	5.8	4.4	2.0	6.9
03	4.2	4.9	5.4	5.5	6.6	5.4	3.9	3.8	2.0	3.6	4.1	7.2	8.9	9.1	9.6	6.6	6.9	5.2	5.3	2.7	2.1	2.1	3.9	3.9	2.0	9.6
04	4.7	3.9	4.6	3.8	4.2	4.5	4.4	4.0	1.3	3.5	4.7	4.1	4.4	5.1	3.9	4.5	4.2	2.9	1.3	1.4	2.6	3.0	4.0	4.4	1.3	5.1
05	4.0	4.3	4.7	5.6	6.6	4.0	6.2	5.7	3.2	3.1	4.0	4.4	4.6	3.2	3.7	3.4	2.5	2.7	2.4	3.2	2.9	2.5	3.8	2.6	2.4	6.6
06	2.4	4.1	3.8	3.7	4.5	4.8	5.3	5.0	2.5	2.6	4.0	5.3	6.5	6.1	4.8	4.1	6.8	4.4	2.6	2.9	5.7	5.6	5.6	5.6	2.4	6.8
07	5.1	4.8	6.1	5.6	5.7	5.8	5.5	4.6P	2.7	2.8	4.9	6.8	7.3	7.0	6.3	4.9	3.3	2.7	1.2	1.6	2.1	2.5	3.0	1.9	1.2	7.3
08	3.1	4.9	4.8	4.6	5.2	5.2	4.4	4.9	1.4	2.5	4.7	4.6	5.1	3.7	2.8	2.2	2.5	1.7	1.3	2.3	1.6	3.2	4.4	4.7	1.3	5.2
09	4.1	5.8	3.7	4.2	4.7	7.1	6.3	6.7P	4.6	3.5	3.3	5.5	5.1	3.9	4.5	2.4	1.9	1.5	2.0	4.2	5.7	6.2	4.6	5.4	1.5	7.1
10	4.8	5.9	6.2	4.6	5.4	4.7	5.1	5.4	3.3	3.3	4.5	5.0	3.6	3.3	3.9	5.0	3.7	1.8	3.2	4.0	5.9	5.7	6.5	6.3	1.8	6.5
11	5.3	4.3	6.2	6.3	4.7	4.5	4.4	4.6	1.6	1.9	3.3	3.5	3.9	5.1	3.0	6.6	6.6	5.4	7.4	9978p	9978p	9978p	9978p	9978p	1.6	7.4
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4.0	4.8	4.6	2.7	3.2	4.3	4.4	3.9	2.8	3.0	2.5	2.8	3.3	1.9	2.7	4.9	3.3	1.9	4.9
13	2.6	3.7	4.8	4.8	4.0	5.3	5.4	6.0	2.0	1.9	4.9	5.2	5.6	5.5	5.1	4.9	2.0	2.1	4.1	3.3	3.3	4.0	3.2	2.9	1.9	6.0
14	4.3	3.1	4.5	3.9	2.7	5.1	4.4	3.8	3.0	1.4	1.4	1.2	0.9	2.0	3.2	1.5	1.0	2.9	2.2	2.2	2.2	3.5	4.4	3.5	0.9	5.1
15	5.5	4.6	5.8	6.1	5.2	4.9	5.7	5.0	2.9	3.6	4.1	4.2	5.7	4.4	3.4	4.5	5.0	2.5	0.1	0.1	1.9	2.6	1.5	3.2	0.1	6.1
16	3.5	3.7	3.2	3.9	3.6	5.2	2.9	2.8	1.4	3.2	1.8	5.2	6.3	4.9	3.5	3.9	3.6	0.7	0.1	0.2	0.8	1.1	0.1	1.2	0.1	6.3
17	1.7	3.2	2.5	2.4	4.1	6.0	6.1	5.8	2.3	2.8	4.2	3.6	2.1	4.4	5.7	5.2	1.2	0.1	0.2	0.6	1.7	1.7	2.1	1.7	0.1	6.1
18	1.6	2.5	3.6	4.3	5.2	3.1	3.7	3.7	0.4	0.9	3.1	2.9	2.4	2.3	1.7	2.2	1.7	0.1	0.4	0.4	0.3	0.7	0.7	3.0	0.1	5.2
19	1.6	1.5	1.9	4.4	2.5	1.7	3.2	2.8	0.1	0.9	1.6	2.6	3.7	2.8	1.4	1.9	0.7	0.1	0.1	0.7	1.6	1.6	0.9	1.6	0.1	4.4
20	2.0	0.8	3.3	3.1	2.4	1.1	3.8	3.4	1.3	0.2	1.0	2.8	5.7	6.0	4.8	2.9	0.9	0.1	0.1	0.9	4.1	3.4	4.5	4.5	0.1	6.0
21	4.3	4.8	6.5	6.8	6.1	4.9	4.8	4.8	3.0	2.3	2.1	2.0	2.6	2.0	0.8	1.3	0.9	1.5	1.0	2.7	1.8	2.1	4.2	5.3	0.8	6.8
22	7.9	5.7	5.7	5.6	4.7	7.4	5.9	5.9	2.9	0.8	2.5	3.1	2.4	2.4	0.6	0.2	0.1	0.1	0.3	0.1	0.1	1.0	0.5	0.1	0.1	7.9
23	0.1	0.6	0.4	3.3	3.0	3.8	5.0	5.2	1.6	0.7	0.6	2.1	2.9	2.7	3.5	2.8	1.6	0.2	0.5	0.6	1.2	1.9	2.6	3.1	0.1	5.2
24	3.5	4.8	5.0	2.7	2.1	2.2	1.8	1.2P	0.7	0.4	0.9	1.6	3.2	3.1	2.6	2.5	1.2	0.8	0.2	0.1	0.1	0.6	1.1	0.5	0.1	5.0
25	1.8	2.9	2.2	1.2	3.7	1.9	2.0	3.0	0.3	0.6	1.5	2.9	2.3	3.7	0.8	0.4	1.7	4.2	4.1	2.9	3.9	5.7	3.7	4.3	0.3	5.7
26	2.9	2.0	3.4	4.5	2.7	4.2	1.8	2.2	0.4	0.8	0.4	1.4	2.8	1.3	0.3	0.7	0.3	0.1	1.5	3.0	3.7	3.1	2.4	2.2	0.1	4.5
27	5.0	4.2	2.3	3.1	3.5	4.0	5.2	4.8P	2.7	1.3	2.6	3.2	2.5	3.4	3.9	3.4	1.8	0.4	0.2	0.7	2.7	1.3	4.3	3.7	0.2	5.2
28	2.9	3.6	2.5	3.3	4.0	3.2	3.3	3.4	0.1	0.5	0.9	1.9	2.7	0.5	1.0	0.5	0.4	0.2	0.3	0.6	0.5	2.6	1.6	1.5	0.1	4.0
29	3.9	3.3	2.4	4.4	4.4	4.9	3.5	2.8	0.9	0.1	0.2	0.6	2.1	2.6	2.4	1.9	1.6	0.2	0.4	1.7	3.1	3.4	2.9	1.8	0.1	4.9
30	1.4	2.1	2.0	2.3	3.1	2.9	2.9	2.9	0.2	4.5	0.8	0.4	2.4	0.4	0.6	1.2	0.3	0.2	1.9	1.5	1.1	1.0	2.6	3.4	0.2	4.5
31	0.8	1.2	0.8	0.7	1.1	3.2	4.2	3.2P	0.2	0.6	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0.2	4.2

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

Monthly: 3.2 Ave 0.1 Min 9.6 Max

Wind Direction (KN12)

Station/Facility: KN12
 Parameter: WD (DEG) Wind Direction
 Month/Year: Dec 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	81	75	76	69	76	78	80	77	93	154	231	250	262	251	218	208	226	220	53	346	35	50	64	60	
02	73	70	68	70	70	75	81	79	147	241	285	293	288	301	339	326	290	200	199	176	175	80	80	76	
03	78	73	86	80	89	82	69	70	357	296	306	295	308	317	313	327	323	334	335	348	26	52	93	82	
04	88	87	83	69	72	80	80	82	112	184	205	213	240	221	237	261	225	236	305	22	26	41	55	61	
05	64	61	90	82	81	71	88	98	135	184	211	209	202	203	243	263	286	296	10	46	65	49	83	118	
06	68	80	79	73	74	78	75	53	252	274	276	277	277	282	317	345	306	322	12	57	86	85	84	84	
07	77	75	79	76	77	74	71	70P	52	321	298	289	279	284	287	297	297	222	126	115	93	85	72	64	
08	70	83	72	69	80	77	70	67	353	287	283	281	289	324	339	1	354	8	77	22	28	59	71	68	
09	62	72	64	76	65	72	70	67P	62	321	296	287	287	339	45	22	318	358	44	75	84	84	74	81	
10	74	81	78	77	80	70	73	76	48	326	293	279	251	275	312	314	325	334	67	93	83	83	83	83	
11	95	58	75	87	95	68	63	61	112	19	312	352	5	43	9	59	91	72	73	9978p	9978p	9978p	9978p	9978p	
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	51	57	356	287	294	275	282	288	269	196	173	118	113	111	85	92	71
13	68	67	77	68	69	73	79	82	114	262	273	288	306	308	302	314	327	327	58	56	48	47	29	55	
14	74	64	71	17	46	55	43	60	59	195	236	284	240	300	332	334	344	344	16	3	61	80	97	110	
15	83	101	82	93	80	74	66	72	351	331	312	304	302	300	298	298	308	334	309	114	91	57	63	59	
16	52	51	64	71	70	85	90	87	21	321	346	312	305	301	312	310	309	335	21	46	70	81	58	82	
17	70	72	76	73	81	82	79	79	101	244	273	289	286	288	291	279	283	67	82	83	81	81	69	65	
18	62	78	81	86	86	78	74	74	36	339	302	273	250	261	255	299	292	334	11	32	21	62	74	75	
19	76	71	69	70	72	73	73	71	111	301	285	299	278	294	318	303	303	28	67	70	77	72	69	68	
20	70	70	79	79	76	59	80	80	98	81	295	280	302	298	300	286	286	34	35	67	69	58	73	76	
21	60	70	75	70	63	61	65	67	64	257	295	301	290	294	312	355	360	46	53	62	28	55	73	71	
22	72	70	68	67	64	73	74	75	63	312	296	280	267	260	269	293	281	17	93	85	90	87	85	87	
23	73	77	83	75	91	76	73	73	63	259	236	251	251	255	267	277	272	272	264	63	81	83	82	88	87
24	90	86	88	83	85	83	72	72P	83	279	242	247	224	217	227	252	225	205	164	77	74	78	71	66	
25	73	81	89	83	80	73	65	70	28	282	275	259	256	262	90	44	43	80	81	86	91	90	83	73	
26	80	85	78	82	96	73	79	85	5	310	173	113	137	168	264	341	200	155	91	81	91	101	85	78	
27	71	74	70	71	71	68	78	81P	95	161	199	226	271	272	282	292	300	321	125	91	89	83	84	80	
28	78	81	71	76	82	70	75	77	115	260	260	220	264	248	285	276	341	5	28	41	59	82	70	68	
29	82	79	81	85	85	87	79	73	71	233	299	297	277	291	303	315	307	345	63	87	88	88	82	77	
30	65	52	75	76	89	77	82	80	56	78	286	311	284	288	257	291	294	146	92	87	86	79	83	83	
31	71	71	61	58	60	73	78	97P	135	210	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	

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

Monthly Ave: 147

Monthly Matrix SO2 (PE10)

Station/Facility: PE10
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Dec 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	9978p	2	2	2	9978p	9978p	2	2	9978p	9978p	2	2	2	2	2	2	9995c	9995c	2	9978p	2	2	9978p	9978p	2	2
02	2	2	2	2	9978p	2	2	2	9995c	9995c	2	2	9978p	2	2	2	2	2	2	9978p	2	2	2	2	2	2
03	2	9978p	2	2	2	2	9978p	2	2	9995c	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2
04	2	2	2	9978p	9978p	2	9978p	9978p	9995c	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2	2
05	2	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	9978p	2	2	2	2	2	2	2	2	2
06	2	2	9978p	2	2	2	2	2	9995c	9978p	2	2	2	2	9978p	2	9978p	2	2	2	2	9978p	9978p	2	2	2
07	2	2	2	2	2	2	9978p	2	2	9978p	2	2	9978p	9978p	2	2	9978p	2	2	2	2	2	2	2	2	2
08	2	2	2	9978p	2	9978p	2	2	9978p	2	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	9978p	9995c	9995c	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	9995c	2	2	9978p	2	9978p	2	2	2	9978p	9978p	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	9995c	9978p	2	2	2	2	2	2	2	2	2	2	2	3	9	4	3	9
12	3	4	4	12	9	4	3	9978p	9995c	2	9978p	9978p	2	2	9978p	2	2	2	2	9978p	9978p	2	2	2	2	12
13	2	2	9978p	2	2	2	2	2	9995c	2	2	9978p	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	9978p	2	2	2	2	9978p	9995c	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	9995c	9978p	2	2	9978p	9978p	2	9978p	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	9995c	9995c	9978p	2	2	9978p	2	2	2	2	2	2	2	2	2	2	2	2
17	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
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	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2
22	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
23	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
24	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
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	2	2	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	2C	9995c	2	2	2	2	2	2	9978p	9978p	2	2	2	2	2	2	2
31	2	2	2	2	2	47	60	38	12	9995c	6	3	3	2	2	2	2	2	2	2	2	2	2	2	2	60

Flags: Monthly: 2 Ave 2 Min 2 Max
 b = Bad Condition - Invalid Hour (9980)
 C = Calibration - Valid Hour
 c = Calibration - Invalid Hour (9995)
 p = Power Failure - Invalid Hour (9978)