

Monthly Matrix SO2 (PA16)

Station/Facility: PA16
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Aug 2009

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	80	53	49	92	132	123	86	102P	77	61	70	27	9985c	27	31	32	18	26	54C	9985c	33C	39	41	63	18	132	
02	82	95	85	64	61	54	45	44P	30	26	8	3	9985c	2	1	1	1	1	1	1	1	2	7	25	34	1	95
03	22	35	35	23	32	46	46	46P	58	61	8	4	9985c	2	1	1	1	1	10	46	71	70	103	67	1	103	
04	79	120	98	103	72	57	43	41	39	22	7	51	9985c	20P	29P	9979d	9979d	9979d	59	176	26	30	72	117	7	176	
05	94	70	79	80	76	106	97	9978p	48	45	11	13	9985c	13	7	17	13	2	187	208	257	304	160	214	2	304	
06	134	238	230	191	154	106	180	140P	276	10	5	18	9985c	15	5	3	4	4	35	60	51	118	167	333	3	333	
07	272	74	219	57	15	11	20	8P	98	70	45	17	9985c	8	6	7	11	19	46	117	86	49	139	186	6	272	
08	103	112	105	174	178	177	164	167P	299	132	63	22	9985c	8	4	4	8	8	16	17	19	91	69	77	4	299	
09	88	129	117	205	238	193	148	162P	380	177	38	20	9985c	17	10	7	7	10	10	15	21	30	47	62	7	380	
10	82	122	109	72	80	113	175	159P	124	59	40	54	9985c	30	12C	19C	26	31	29	27	20	19	18	17	12	175	
11	22	21	22	14	13	14	14	19P	28	30	29	16	9985c	5	2	1	1	1	1	1	0	0	0	0	0	0	30
12	0	0	0	0	0	1	1	1P	1	3	3	3	9985c	1	1	0	0	0	0	0	0	0	24	13	0	24	
13	49	51	81	65	57	40	59	67P	99	62	14	9	9985c	3	2	1	1	1	1	1	1	10	25	27	1	99	
14	38	31	34	35	109	73	77	58P	76	22	7	4	9985c	3	2	1	1	1	1	1	1	15	9	13	1	109	
15	44	104	115	152	274	284	218	189P	31	60	45	8	9985c	3	2	1	1	1	1	3	4	29	118	162	1	284	
16	198	278	181	90	76	119	204	170P	190	233	85	51	9985c	7	7	8	6	7	8	14	17	139	224	161	6	278	
17	130	99	68	90	95	69	78	159P	173	162	123	83	9985c	44	36C	18C	17	10	10	48	223	228	273	521	10	521	
18	860	645	551	355	323	507	568	590P	687	442	261	137	9985c	11	4	180	147	88	71	39	21	30	78	71	4	860	
19	121	157	143	360	178	92	43	49P	102	164	37	4	9985c	6	3	2	1	1	1	3	22	89	92	136	1	360	
20	46	42	103	104	110	69	48	39P	21	23	12	8	9985c	6	4	4	2	7	55	37	49	54	123	172	2	172	
21	132	84	70	107	334	299	204	270P	169	63	32	33	9985c	22	22	29	28	25	24	25	33	38	50	64	22	334	
22	55	106	194	86	53	89	135	150P	130	161	91	36	9985c	13	13	22	24	22	24	31	41	77	70	103	13	194	
23	101	100	126	261	255	249	245	400P	326	77	34	19	9985c	8	11	12	10	9	10	14	79	178	124	165	8	400	
24	85	70	69	210	329	499	322	248P	188	47	64	26	9985c	14	7C	16C	21	35	61	66	97	74	100	265	7	499	
25	295	245	158	287	297	295	181	191P	141	132	32	13	9985c	4	3	5	6	6	7	395	638	432	474	328	3	638	
26	204	131	122	162	188	185	156	194P	348	289	173	9978p	9978p	44P	36C	9978p	33	12	15	16	23	10	15	29	10	348	
27	56	92	114	104	145	129	95	298P	537	134	19	7	4	3	2	2	2	5	4	4	9	16	27	57	2	537	
28	95	89	141C	315C	211	75	65	71P	53	34	10	3	2	2	1	1	5	7	2	29	22	9	19	16	1	315	
29	30	28	51	41	27	43	55	35P	18	6	3	2	2	1	2	5	12	16	11	9	8	23	129	96	1	129	
30	247	85	53	62	140	58	26	21P	199	47	30	12	5	2	1	1	7	10	13	26	86	139	136	121	1	247	
31	104	63	35C	36C	113	76	14	112P	131	97	46	13	5	5	4	5	6	20	20	24	65	236	107	56	4	236	

Flags: Monthly: 81 Ave 0 Min Max

- C = Calibration - Valid Hour
- c = Calibration Auto- Invalid Hour (9985)
- 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: Aug 2009

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	28	25	25	17	13	14	11	OP	15	14	14	14	13	11	9	13	16	15	18	18	14	13	12	12	12	0	28						
02	17	23	24	10	10	12	10	OP	13	10	6	7	6	3	4	6	4	3	5	5	9	12	10	7	7	0	24						
03	8	8	19	15	12	12	22	OP	10	11	13	10	6	3	2	3	4	3	3	8	11	12	15	13	0	22							
04	12	9	6	6	8	8	4	3	4	3	7	9	9	OP	9979d	10	11	10	27	22	50	6	6	7	0	50							
05	8	9	19	16	16	15	13	OP	10	6	10	8	5	7	9	9	17	4	5	7	9	11	13	12	0	19							
06	9	24	13	15	14	10	11	OP	8	9	7	3	7	11	10	7	5	6	6	10	14	10	20	16	0	24							
07	17	6	4	4	3	1	1	OP	4	5	35	16	13	10	8	7	9	8	9	13	29	11	12	10	0	35							
08	8	9	9	10	7	5	6	OP	9	13	21	19	8	6	5	4	4	6	6	7	12	13	12	10	0	21							
09	9	11	9	8	8	6	6	OP	4	17	12	10	11	13	10	9	8	6	9	10	18	14	22	15	0	22							
10	16	15	10	10	12	9	10	OP	11	13	12	11	25	21	18	8	12	21	21	20	15	15	13	13	0	25							
11	17	14	14	15	27	13	12	OP	15	19	19	23	13	10	4	1	3	4	1	-2	-4	-2	0	0	-4	27							
12	0	3	1	0	1	2	5	OP	7	7	4	6	7	6	4	-2	-1	1	0	-1	0	2	5	10	-2	10							
13	8	4	7	9	11	11	12	OP	17	22	18	4	3	1	0	1	3	1	0	2	3	4	5	6	0	22							
14	10	13	14	13	13	21	17	OP	19	16	12	6	5	8	6	7	7	4	3	2	1	6	10	12	0	21							
15	11	11	16	17	14	17	15	OP	13	12	11	13	12	10	6	4	3	3	5	2	4	9	12	13	0	17							
16	13	12	13	13	9	6	7	OP	9	11	17	20	10	10	10	6	6	5	3	5	8	10	8	11	0	20							
17	11	7	6	6	7	6	4	OP	4	8	17	22	12	12	21	16	15	16	11	17	16	16	16	19	0	22							
18	32	35	23	19	17	19	16	OP	17	17	28	27	28	12	8	0	3	8	7	6	4	3	6	12	0	35							
19	11	10	10	9	26	12	11	OP	11	11	11	8	2	0	0	1	1	1	1	1	2	5	8	8	0	26							
20	8	8	6	7	11	21	14	OP	18	6	6	7	10	9	8	9	8	5	4	18	9	10	11	11	0	21							
21	11	10	12	13	12	18	13	OP	11	13	16	13	11	15	12	10	10	10	12	11	11	12	15	16	0	18							
22	16	12	10	12	10	6	5	OP	9	12	13	11	10	7	6	5	9	10	4	6	7	6	5	5	0	16							
23	6	6	5	5	5	7	6	OP	7	17	12	10	6	5	7	8	7	5	8	13	13	14	13	11	0	17							
24	8	5	2	3	7	9	17	OP	11	9	7	21	10	10	7	6	7	10	11	11	13	12	12	13	0	21							
25	14	14	17	16	15	13	13	OP	7	7	19	6	6	6	7	7	9	8	9	10	25	21	18	18	0	25							
26	15	11	8	6	5	6	6	9978p	9	12	13	OP	OP	OP	11	OP	13	11	10	9	9	10	10	8	0	15							
27	9	12	12	11	10	18	11	OP	28	44	13	9	4	6	6	2	3	5	4	4	4	6	9	10	0	44							
28	11	12	11	22	33	21	12	OP	13	11	12	11	8	3	0	3	6	4	5	5	6	9	3	2	0	33							
29	6	9	9	19	16	11	19	OP	14	10	3	2	1	5	8	6	3	5	11	11	6	4	7	17	0	19							
30	15	23	7	7	6	19	6	OP	4	6	10	10	9	5	5	5	2	4	6	5	9	17	22	17	0	23							
31	14	14	10	5	3	18	12	OP	3	3	10	13	11	7	4	7	7	6	8	9	13	17	27	10	0	27							

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

Monthly: Ave 10 -4 Min Max

Wind Speed (PA16)

Station/Facility: PA16
 Parameter: WS (MPH) Wind Speed
 Month/Year: Aug 2009

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	2.1	3.0	3.1	3.7	3.7	3.2	2.7	2.8P	3.0	5.6	10.5	9.7	8.6	5.5	5.6	6.1	6.5	4.4	3.4	3.2	2.4	2.3	2.9	2.9	2.1	10.5
02	2.7	2.9	4.1	2.1	2.7	2.3	1.6	2.2P	3.8	4.9	5.4	5.2	5.3	3.8	3.4	3.0	3.1	2.9	3.1	2.6	3.0	2.3	1.9	3.4	1.6	5.4
03	2.4	1.8	2.6	2.2	2.0	1.9	1.4	2.0P	2.2	6.0	7.3	9.3	7.5	5.7	4.8	5.4	5.2	5.4	3.9	2.1	3.2	3.0	3.6	4.6	1.4	9.3
04	4.4	4.3	4.2	4.8	6.0	5.3	4.0	1.7	4.3	9.1	11.0	11.6	9.0	9.3P	8.1P	6.1	5.4	3.6	3.0	3.4	3.1	2.8	3.0	3.8	1.7	11.6
05	3.3	3.5	2.5	2.8	2.5	3.0	4.0	3.6P	4.2	10.0	11.4	13.2	12.1	13.4	9.2	9.0	12.1	6.2	4.5	3.4	4.0	3.3	2.5	3.4	2.5	13.4
06	2.7	2.8	3.6	3.7	3.8	3.6	4.7	1.9P	5.9	11.2	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	1.9	11.2
07	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
08	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
09	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
10	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
11	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
12	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
13	3.3	6.2	4.3	3.3	3.7	4.4	4.5	3.5P	2.8	5.4	6.2	6.8	7.8	5.7	4.6	3.4	2.9	2.9	3.5	1.6	1.3	1.9	1.6	3.9	1.3	7.8
14	4.8	2.7	4.7	2.1	3.3	2.4	1.6	3.5P	4.3	3.4	3.1	1.6	3.8	4.4	2.6	2.3	2.2	1.9	2.3	1.4	1.4	1.8	3.9	3.7	1.4	4.8
15	3.7	3.8	4.0	4.9	4.6	4.7	3.9	2.5P	1.5	2.2	2.6	6.2	7.0	6.5	3.5	3.0	3.2	2.4	2.6	3.2	3.6	5.0	3.7	4.7	1.5	7.0
16	5.1	3.9	4.0	3.9	4.3	5.0	3.9	2.0P	3.9	4.3	8.5	9.5	6.1	4.5	6.3	4.9	4.4	4.3	5.5	4.9	4.9	3.8	3.7	4.3	2.0	9.5
17	4.9	5.4	5.0	4.3	5.7	5.7	3.9	3.3P	3.7	3.6	4.9	5.9	4.5	5.0	6.1	6.3	6.5	6.1	3.4	4.3	4.2	4.4	4.9	5.5	3.3	6.5
18	5.2	5.4	4.8	4.6	5.5	6.4	4.1	1.1P	2.8	4.0	5.6	5.1	6.4	6.7	6.6	5.5	3.3	1.7	3.2	3.4	3.9	4.9	5.5	5.3	1.1	6.7
19	5.7	4.3	3.8	3.7	5.7	4.1	2.7	2.0P	3.2	2.4	4.7	7.1	6.4	4.1	4.3	3.8	6.2	4.0	2.8	3.9	4.6	4.0	5.0	3.8	2.0	7.1
20	2.9	2.5	2.3	3.1	4.3	3.2	2.1	3.9P	5.1	5.9	8.3	10.5	8.6	8.8	8.4	7.4	5.2	3.3	4.0	4.7	2.5	2.8	4.1	3.9	2.1	10.5
21	3.2	3.2	4.3	4.3	3.7	4.4	3.2	2.8P	4.9	9.4	10.7	8.2	9.5	9.4	7.1	8.8	6.5	4.1	6.7	6.2	4.8	3.3	4.7	4.9	2.8	10.7
22	4.4	3.5	4.7	5.1	5.7	4.5	3.7	2.9P	4.1	4.9	5.6	8.6	10.6	10.4	10.3	12.7	9.7	7.4	4.8	4.3	3.8	4.3	4.1	4.0	2.9	12.7
23	4.7	4.4	3.8	4.0	3.9	5.3	4.8	2.4P	2.4	6.2	9.6	9.6	9.1	8.2	8.1	5.8	4.8	4.5	4.9	5.5	4.2	3.2	3.3	4.4	2.4	9.6
24	4.8	4.8	3.7	4.3	4.4	5.5	5.1	2.6P	2.9	2.7	7.3	9.0	9.1	9.5	8.7	7.7	4.7	3.2	3.7	3.3	2.0	3.9	3.6	3.3	2.0	9.5
25	3.8	4.4	4.4	3.9	5.2	5.5	4.6	3.3P	4.2	4.3	8.3	8.5	7.8	6.7	4.4	4.5	5.7	5.2	3.8	4.4	4.1	3.6	3.6	4.0	3.3	8.5
26	6.1	5.0	5.7	5.2	4.3	5.4	4.9	2.0P	2.9	3.3	6.3	8.1P	9.5P	7.2P	6.3	6.6P	6.2	3.7	3.0	3.0	4.5	4.6	3.0	4.3	2.0	9.5
27	4.1	4.9	5.3	4.1	4.6	5.8	3.5	3.2P	2.0	6.3	10.6	8.1	9.7	8.1	7.4	5.9	4.3	3.1	4.5	3.1	3.2	4.2	5.4	4.3	2.0	10.6
28	3.6	3.1	4.6	3.8	4.6	3.9	3.1	2.9P	3.7	5.4	6.5	6.3	5.2	3.5	2.9	5.4	4.1	2.8	3.4	3.0	3.4	5.1	3.2	2.6	2.6	6.5
29	4.3	3.8	3.9	1.4	2.8	2.9	2.5	1.5P	2.6	3.5	2.7	2.8	2.5	4.5	4.5	2.5	2.6	2.9	2.8	2.8	3.9	3.6	5.7	4.9	1.4	5.7
30	4.6	5.6	4.3	4.0	5.3	4.9	4.6	2.2P	1.2	7.3	8.8	9.6	10.1	9.6	7.0	5.4	3.8	2.6	1.9	4.6	4.1	4.2	4.7	4.6	1.2	10.1
31	4.4	6.9	6.2	5.7	5.3	4.9	2.8	2.3P	2.5	2.9	9.7	8.9	9.1	7.7	7.9	6.2	5.0	4.9	6.1	5.8	4.8	4.0	5.6	4.6	2.3	9.7

Flags: Monthly: 4.7 Ave 1.1 Min 13.4 Max
 d = Off-Line Part of Hour - Invalid Hour (9979)
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Wind Direction (PA16)

Station/Facility: PA16
 Parameter: WD (DEG) Wind Direction
 Month/Year: Aug 2009

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	217	274	316	319	315	303	282	194P	193	123	107	106	98	108	97	98	102	106	175	224	215	292	224	154
02	265	248	209	195	223	242	200	178P	84	86	98	99	96	92	91	81	90	96	97	122	142	206	225	85
03	223	166	62	207	303	291	247	264P	280	142	98	103	106	100	94	98	101	97	120	214	290	288	320	308
04	312	313	307	316	315	290	245	214	163	105	107	103	106	109P	115P	125	123	127	122	122	113	245	280	243
05	301	279	257	253	276	300	307	99P	183	121	108	109	108	107	109	110	99	100	115	229	183	200	223	189
06	272	193	278	295	279	277	285	195P	116	111	99	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
07	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978P	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
08	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978P	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
09	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978P	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
10	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978P	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
11	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978P	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
12	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978P	9979d	155	159	147	147	139	104	113	114	94	164	248	149	52	83	75
13	173	301	309	303	279	308	242	143P	82	104	99	103	103	97	101	78	65	92	278	180	163	116	98	183
14	325	276	336	308	318	297	253	316P	232	177	192	150	109	98	87	81	68	98	49	138	200	217	298	309
15	304	306	316	321	317	317	318	163P	138	240	166	114	100	109	105	120	100	289	308	293	318	310	307	324
16	324	311	315	311	315	315	323	257P	196	174	127	112	156	143	136	136	153	209	253	270	271	291	309	254
17	300	326	317	315	326	330	301	237P	181	168	184	166	179	172	186	205	224	235	277	270	276	327	321	323
18	325	327	325	322	324	324	321	240P	169	176	166	186	163	143	135	184	171	197	218	326	324	323	324	326
19	323	316	297	319	326	307	326	248P	177	169	105	104	102	90	151	98	109	95	191	283	310	272	299	182
20	148	235	161	85	73	135	133	91P	98	96	104	101	100	105	105	100	108	140	119	94	225	264	266	276
21	292	276	251	311	302	305	212	244P	210	115	108	120	113	107	120	116	193	205	260	263	309	315	329	328
22	306	269	323	283	329	313	307	223P	184	203	129	119	111	113	113	106	107	107	188	274	267	263	310	301
23	322	324	312	320	309	309	323	245P	146	113	106	103	108	106	109	118	212	231	253	267	199	265	303	316
24	320	321	313	302	313	327	310	188P	120	195	120	108	112	108	106	104	111	201	262	242	216	315	271	292
25	301	254	301	300	324	326	319	247P	244	190	106	105	120	116	185	229	249	247	269	255	211	275	292	304
26	327	328	332	321	309	327	255	156P	185	177	151	127P	127P	126P	118	122P	134	157	212	312	239	141	170	279
27	264	310	319	310	320	333	292	169P	142	145	107	110	107	106	109	115	107	195	274	275	298	311	310	314
28	260	293	330	291	316	304	195	275P	123	91	98	100	91	84	95	255	211	102	82	68	86	165	190	68
29	253	264	305	196	112	320	222	188P	86	74	81	90	155	306	313	252	259	262	100	110	323	300	321	323
30	318	325	293	299	283	272	263	222P	155	114	106	108	110	110	111	140	107	111	245	269	267	216	300	294
31	302	327	327	326	330	327	293	270P	217	256	111	108	109	105	111	152	198	220	267	297	280	299	284	292

Flags: Monthly Ave: 207

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

Monthly Matrix SO2 (MV17)

Station/Facility: MV17
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Aug 2009

		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	0P	0	0	9985C	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	
02	0	0	0	0	0	0	0P	0	0	9985C	3	1	0	0	0	9985C	0	0	0	0	0	0	0	0	0	0	3	
03	0	0	0	0	0	0	0P	0	0	9985C	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
04	0	0	0	0	0	0	0P	0	0	9985C	1	9985C	0C	0	0	0	0P	9978p	0	0	0	0	0	0	0	0	1	
05	0	0	0	0	0	0	9978p	0	0	9985C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
06	0	0	0	0	0	0	0P	0	0	9985C	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
07	0	0	0	0	0	0	9978p	0	9978p	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08	0	0	0	0	0	0	0P	0	0	9985C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
09	0	0	0	0	0	0	0P	0	0	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0P	0	0	9985C	1	9985C	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	
11	0	0	0	0	0	0	0P	0	1	9985C	40	19	13	14	0	0	0	0	0	0	0	0	0	0	0	0	40	
12	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9978p	9985C	33	7	3	1	1	1	0	1	1	1	1	0	0	0	0	0	33	
13	0	0	0	0	0	0	0P	0	0	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0P	0	0	9985C	1	0	0	0	0	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	1
15	0	0	0	0	0	0	0P	0	0	9985C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
16	0	0	0	0	0	0	0P	0	0	9985C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
17	0	0	0	0	0	0	0P	0	0	9985C	0	9985C	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	
18	0	0	0	0	0	0	0P	0	0	9985C	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
19	0	0	0	0	0	0	0P	0	0	9985C	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
20	0	0	0	0	0	0	0P	0	0	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0P	0	0	9985C	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
22	0	0	0	0	0	0	0P	0	0	9985C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
23	0	0	0	0	0	0	0P	0	0	9985C	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
24	0	0	0	0	0	0	0P	0	0	9985C	0	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
25	0	0	0	0	0	0	0P	0	1	9985C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
26	0	0	0	0	0	0	0P	0	0	9985C	1	0	0	0	1	0	0	0	9978p	9978p	9979d	9979d	9979d	9979d	9979d	0	1	
27	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9978p	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0P	0	0	9985C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0P	0	0	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0P	0	0	9985C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0P	0	0	9985C	0	0	0	0	1	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 Auto- Invalid Hour (9985)
 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: Aug 2009

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	6	5	2	3	5	6	4	3	4	8	8	9	9	9	6	6	10	10	9	7	10	10	11	2	11
02	10	4	4	6	6	8	8	8	9	7	8	8	10	11	11	17	17	13	15	12	11	12	10	8	4	17
03	7	7	8	10	8	6	9	9	10	13	13	10	10	7	7	10	12	9	5	5	6	6	10	13	5	13
04	11	7	7	9	9	9	8	7	8	8	6	6	10	9	7	12	0P	0P	19	12	9	8	11	11	0	19
05	8	7	10	10	10	11	9	9	13	13	13	13	11	11	12	12	12	11	9	9	9	9	10	7	13	
06	10	9	10	12	13	10	9	9	9	8	9	10	12	13	12	18	11	13	13	13	13	11	11	8	18	
07	9	8	9	8	8	7	7	6	9978p	7	10	10	10	10	9	5	5	4	4	3	8	8	7	3	10	
08	10	10	6	4	6	9	9	9	8	6	9	12	13	14	14	8	5	6	5	4	5	7	4	3	14	
09	6	7	5	5	5	6	6	6	7	9	10	7	6	11	12	11	7	6	8	8	8	7	10	5	12	
10	12	14	10	6	8	10	10	7	6	6	5	4	8	8	7	7	10	12	8	7	6	4	4	4	14	
11	5	6	3	3	5	4	5	5	6	9	10	28	19	19	42	42	28	11	10	9	9	6	10	3	42	
12	10	13	10	10	11	19	15	15	0P	68	78	78	19	16	13	6	6	6	9	6	5	4	1	5	0	78
13	9	7	4	1	5	6	5	6	8	6	6	11	9	6	8	5	5	7	8	8	7	6	4	1	11	
14	4	7	10	10	6	6	6	3	3	4	5	6	10	9	9	10	9980b	9980b	9980b	9980b	9980b	9980b	9980b	3	10	
15	7	7	9	10	7	8	6	5	11	9	6	10	11	9	7	9	11	11	10	8	9	6	9	5	11	
16	11	8	11	10	8	6	3	7	11	10	6	6	7	8	8	6	10	11	6	6	8	9	10	8	3	11
17	7	8	9	9	7	6	10	11	8	6	10	14	12	14	14	11	9	13	12	12	14	9	6	7	6	14
18	8	7	6	7	8	9	9	7	7	7	8	8	9	9	9	7	7	7	5	3	3	6	7	9	3	9
19	9	6	9	12	12	10	9	10	9	5	5	5	9	9	9	6	6	6	7	6	6	6	5	7	5	12
20	9	9	9	6	4	5	6	7	8	10	10	10	8	17	9	6	6	10	13	13	11	8	9	4	17	
21	9	7	8	10	10	8	7	9	10	10	5	4	10	9	6	6	9	10	8	7	7	6	4	4	10	
22	5	5	6	8	6	6	6	7	6	6	10	11	9	9	6	7	7	8	7	6	5	6	7	9	5	11
23	7	17	7	11	11	10	5	5	4	8	8	10	10	10	9	5	5	6	6	6	5	5	7	4	17	
24	7	7	3	6	13	14	14	9	7	9	9	10	9	9	6	8	9	11	11	12	9	9	10	3	14	
25	10	7	9	11	10	10	10	12	12	12	11	11	9	3	3	10	10	10	7	7	9	8	7	3	12	
26	10	12	12	11	7	7	6	6	6	7	6	24	9	11	13	11	11	0P	11P	7	8	9	10	9	0	24
27	7	5	4	4	5	6	6	5	6	0P	6	9	12	7	5	5	6	8	13	12	6	6	7	9	0	13
28	9	8	7	9	8	6	4	6	9	7	7	8	8	7	4	4	4	4	4	4	7	8	6	7	4	9
29	8	7	7	8	6	6	6	6	5	5	4	6	6	10	9	9	10	10	5	6	8	9	8	6	4	10
30	6	7	7	6	8	7	4	3	5	6	8	7	8	11	9	6	6	7	8	7	9	6	2	3	2	11
31	4	6	6	6	7	10	9	8	7	8	8	8	7	5	5	6	6	6	5	6	6	6	5	4	10	

Flags: Monthly: 9 Ave Min Max 0 78
 b = Bad Condition - Invalid Hour (9980)
 P = Power Failure - Invalid Hour
 p = Power Failure - Invalid Hour (9978)

Wind Speed (MV17)

Station/Facility: MV17
 Parameter: WS (MPH) Wind Speed
 Month/Year: Aug 2009

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	1.9	2.1	2.3	2.0	3.2	3.5	3.2P	4.0	2.8	3.8	4.0	3.5	4.2	4.2	4.9	4.1	3.7	3.5	1.8	1.6	1.6	1.5	2.1	2.1	1.5	4.9
02	1.9	2.2	2.4	1.6	1.6	1.1	1.2P	1.5	1.2	2.1	2.9	4.8	4.8	5.3	4.8	5.2	4.1	3.1	2.4	1.0	1.0	1.6	0.8	0.9	0.8	5.3
03	1.9	1.4	1.5	1.4	1.4	1.9	1.5P	2.5	3.4	3.2	3.6	4.6	4.9	5.8	5.7	4.9	4.4	4.2	3.5	2.7	2.0	1.2	1.0	1.0	1.0	5.8
04	1.2	1.4	2.2	2.6	3.2	3.4	2.8P	2.9	3.3	3.8	4.4	4.0	5.5	4.3	3.3	3.8	2.7P	3.0P	2.6	2.6	1.6	1.7	1.9	2.5	1.2	5.5
05	1.8	2.2	2.2	2.1	1.9	1.8	1.8P	3.1	4.2	5.2	5.2	4.3	5.6	5.6	6.0	4.4	3.9	3.6	2.7	2.0	2.3	2.6	2.9	2.6	1.8	6.0
06	3.2	3.1	2.1	1.6	2.2	1.3	1.4P	1.8	2.1	4.1	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.3	4.1
07	9979d	9979d	9979d	9979d	9979d	9979d	9978p	1.6D	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.3	4.1
08	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.6	1.6
09	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.6	1.6
10	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.6	1.6
11	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.6	1.6
12	5.6	4.8	5.6	5.5	5.1	4.2	4.4P	6.7	6.1P	7.1	9.2	10.7	10.6	10.7	8.7	6.5	5.9	5.1	3.5	3.3	2.7	2.3	1.5	2.0	1.5	10.7
13	1.3	1.3	2.2	1.2	4.2	3.1	3.3P	2.9	1.9	1.8	3.2	2.6	5.0	4.7	5.1	4.3	4.1	3.2	2.1	2.1	1.7	1.9	2.2	2.1	1.2	5.1
14	1.8	1.6	1.6	1.2	2.4	3.2	2.4P	2.8	1.0	1.6	2.3	3.9	4.6	5.1	4.6	4.6	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.0	5.1
15	1.4	1.7	1.8	1.5	2.0	2.3	2.2P	2.1	4.4	2.5	3.3	4.4	4.4	4.8	5.1	4.7	3.8	3.5	1.5	1.6	1.6	1.4	1.2	1.2	1.2	5.1
16	2.2	2.0	2.2	1.9	1.5	1.2	1.4P	1.2	3.8	3.0	4.3	5.5	5.3	5.6	5.5	5.4	4.6	4.0	3.0	2.1	1.6	1.2	1.4	1.6	1.2	5.6
17	1.9	1.8	3.3	2.4	1.7	2.8	2.7P	3.3	3.9	5.2	4.7	6.4	5.4	6.8	5.9	6.1	5.7	4.3	2.7	1.2	2.0	2.6	2.6	3.0	1.2	6.8
18	3.8	4.0	3.6	4.1	4.9	4.2	3.6P	2.0	3.3	3.5	3.4	3.7	4.8	4.6	4.2	3.9	3.3	3.5	2.7	1.3	0.4	1.2	2.2	3.4	0.4	4.9
19	3.3	2.6	2.4	3.3	2.6	1.9	2.0P	2.9	1.5	2.5	3.3	5.6	4.0	2.7	3.4	3.2	4.4	2.6	2.0	1.1	1.2	1.1	1.1	1.6	1.1	5.6
20	2.6	2.2	1.9	1.9	1.9	1.7	1.5P	4.2	4.1	3.3	3.6	3.5	4.0	4.2	4.4	4.5	4.1	4.1	2.8	2.0	2.0	1.8	1.9	1.6	1.5	4.5
21	1.7	1.5	1.7	1.8	2.0	1.8	2.0P	2.8	4.2	4.9	5.6	5.4	5.6	6.0	5.9	7.7	5.8	5.0	2.5	1.9	3.2	2.5	2.5	2.1	1.5	7.7
22	2.1	2.3	3.3	2.4	2.9	2.3	2.3P	3.4	3.1	5.0	5.0	5.9	6.7	5.6	5.4	3.9	3.8	2.9	2.2	2.1	1.1	2.4	1.8	2.6	1.1	6.7
23	2.6	3.7	3.1	2.4	2.3	2.3	2.5P	2.7	1.9	2.2	1.9	2.1	3.3	4.7	4.3	5.0	4.3	3.8	1.9	1.9	1.3	1.4	1.2	1.7	1.2	5.0
24	1.7	2.6	2.2	1.9	1.7	2.9	3.4P	3.3	2.7	2.9	4.2	3.8	3.8	3.7	4.2	4.5	3.9	3.1	3.5	3.4	1.6	1.7	2.2	1.8	1.6	4.5
25	1.9	1.3	1.7	1.8	1.4	1.8	2.1P	2.8	3.6	3.9	4.5	5.1	4.7	4.9	5.6	4.9	3.9	3.2	2.7	1.2	1.2	1.6	1.9	2.0	1.2	5.6
26	1.6	1.7	1.5	1.5	1.4	1.5	1.7P	2.9	4.0	4.4	4.4	5.0	5.5	4.8	4.8	4.8	4.9	3.7P	2.3P	1.3P	2.0	2.7	3.9	3.4	1.3	5.5
27	2.3	2.5	1.7	2.5	3.6	4.0	3.3P	2.3	3.0	3.2P	3.6	3.0	4.5	4.7	4.8	4.0	4.2	3.7	2.3	1.5	1.5	1.3	1.7	2.3	1.3	4.8
28	3.0	2.1	1.4	2.5	4.7	3.8	3.2P	1.4	2.2	1.9	3.1	3.5	3.7	4.2	2.4	2.2	3.1	1.9	1.7	2.2	3.6	3.7	3.8	2.7	1.4	4.7
29	3.4	3.0	2.8	2.7	3.2	2.1	2.1P	1.8	2.3	2.1	3.6	2.9	3.7	2.5	2.6	2.5	2.6	1.7	1.4	1.5	1.1	1.4	1.5	1.9	1.1	3.7
30	2.2	1.8	1.6	1.5	1.4	1.9	1.9P	2.0	2.2	3.4	4.6	4.4	4.2	5.4	5.4	4.5	3.8	3.1	2.5	1.2	1.4	2.2	2.6	2.5	1.2	5.4
31	4.1	3.8	2.8	2.5	3.0	3.2	2.8P	1.3	2.8	3.7	5.0	5.7	5.3	5.7	5.6	5.0	5.2	3.7	2.0	1.2	1.2	2.1	1.6	2.9	1.2	5.7

Flags: Monthly: 3.1 Ave 0.4 Min 10.7 Max

- b = Bad Condition - Invalid Hour (9980)
- 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)

Wind Speed (MV17)

Station/Facility: MV17
 Parameter: WS (MPH) Wind Speed
 Month/Year: Aug 2009

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	1.9	2.1	2.3	2.0	3.2	3.5	3.2P	4.0	2.8	3.8	4.0	3.5	4.2	4.2	4.9	4.1	3.7	3.5	1.8	1.6	1.6	1.5	2.1	2.1	2.1	1.5	4.9
02	1.9	2.2	2.4	1.6	1.6	1.1	1.2P	1.5	1.2	2.1	2.9	4.8	4.8	5.3	4.8	5.2	4.1	3.1	2.4	1.0	1.0	1.6	0.8	0.9	0.8	5.3	
03	1.9	1.4	1.5	1.4	1.4	1.9	1.5P	2.5	3.4	3.2	3.6	4.6	4.9	5.8	5.7	4.9	4.4	4.2	3.5	2.7	2.0	1.2	1.2	1.0	1.0	5.8	
04	1.2	1.4	2.2	2.6	3.2	3.4	2.8P	2.9	3.3	3.8	4.4	4.0	5.5	4.3	3.3	3.8	2.7P	3.0P	2.6	2.6	1.6	1.7	1.9	2.5	1.2	5.5	
05	1.8	2.2	2.2	2.1	1.9	1.8	1.8P	3.1	4.2	5.2	5.2	4.3	5.6	5.6	6.0	4.4	3.9	3.6	2.7	2.0	2.3	2.6	2.9	2.6	1.8	6.0	
06	3.2	3.1	2.1	1.6	2.2	1.3	1.4P	1.8	2.1	4.1	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.3	4.1	
07	9979d	9979d	9979d	9979d	9979d	9979d	9978p	1.6D	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	1.6	1.6
08	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
09	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
10	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
11	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	6.8	4.7	4.2	3.7	5.1	4.2	5.3	5.6	6.4	6.9	6.9	3.7	6.9
12	5.6	4.8	5.6	5.5	5.1	4.2	4.4P	6.7	6.1P	7.1	9.2	10.7	10.6	10.7	8.7	6.5	5.9	5.1	3.5	3.3	2.7	2.3	1.5	2.0	1.5	10.7	
13	1.3	1.3	2.2	1.2	4.2	3.1	3.3P	2.9	1.9	1.8	3.2	2.6	5.0	4.7	5.1	4.3	4.1	3.2	2.1	2.1	1.7	1.9	2.2	2.1	1.2	5.1	
14	1.8	1.6	1.6	1.2	2.4	3.2	2.4P	2.8	1.0	1.6	2.3	3.9	4.6	5.1	4.6	4.6	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.0	5.1	
15	1.4	1.7	1.8	1.5	2.0	2.3	2.2P	2.1	4.4	2.5	3.3	4.4	4.4	4.8	5.1	4.7	3.8	3.5	1.5	1.6	1.6	1.4	1.2	1.2	1.2	5.1	
16	2.2	2.0	2.2	1.9	1.5	1.2	1.4P	1.2	3.8	3.0	4.3	5.5	5.3	5.6	5.5	5.4	4.6	4.0	3.0	2.1	1.6	1.2	1.4	1.6	1.2	5.6	
17	1.9	1.8	3.3	2.4	1.7	2.8	2.7P	3.3	3.9	5.2	4.7	6.4	5.4	6.8	5.9	6.1	5.7	4.3	2.7	1.2	2.0	2.6	2.6	3.0	1.2	6.8	
18	3.8	4.0	3.6	4.1	4.9	4.2	3.6P	2.0	3.3	3.5	3.4	3.7	4.8	4.6	4.2	3.9	3.3	3.5	2.7	1.3	0.4	1.2	2.2	3.4	0.4	4.9	
19	3.3	2.6	2.4	3.3	2.6	1.9	2.0P	2.9	1.5	2.5	3.3	5.6	4.0	2.7	3.4	3.2	4.4	2.6	2.0	1.1	1.2	1.1	1.1	1.6	1.1	5.6	
20	2.6	2.2	1.9	1.9	1.9	1.7	1.5P	4.2	4.1	3.3	3.6	3.5	4.0	4.2	4.4	4.5	4.1	4.1	2.8	2.0	2.0	1.8	1.9	1.6	1.5	4.5	
21	1.7	1.5	1.7	1.8	2.0	1.8	2.0P	2.8	4.2	4.9	5.6	5.4	5.6	6.0	5.9	7.7	5.8	5.0	2.5	1.9	3.2	2.5	2.5	2.1	1.5	7.7	
22	2.1	2.3	3.3	2.4	2.9	2.3	2.3P	3.4	3.1	5.0	5.0	5.9	6.7	5.6	5.4	3.9	3.8	2.9	2.2	2.1	1.1	2.4	1.8	2.6	1.1	6.7	
23	2.6	3.7	3.1	2.4	2.3	2.3	2.5P	2.7	1.9	2.2	1.9	2.1	3.3	4.7	4.3	5.0	4.3	3.8	1.9	1.9	1.3	1.4	1.2	1.7	1.2	5.0	
24	1.7	2.6	2.2	1.9	1.7	2.9	3.4P	3.3	2.7	2.9	4.2	3.8	3.8	3.7	4.2	4.5	3.9	3.1	3.5	3.4	1.6	1.7	2.2	1.8	1.6	4.5	
25	1.9	1.3	1.7	1.8	1.4	1.8	2.1P	2.8	3.6	3.9	4.5	5.1	4.7	4.9	5.6	4.9	3.9	3.2	2.7	1.2	1.2	1.6	1.9	2.0	1.2	5.6	
26	1.6	1.7	1.5	1.5	1.4	1.5	1.7P	2.3	4.0	4.4	4.4	5.0	5.5	4.8	4.8	4.8	4.8	3.7P	2.3P	1.3P	2.0	2.7	3.9	3.4	1.3	5.5	
27	2.3	2.5	1.7	2.5	3.6	4.0	3.3P	2.9	3.0	3.2P	3.6	3.0	4.5	4.7	4.8	4.0	4.2	3.7	2.3	1.5	1.5	1.3	1.7	2.3	1.3	4.8	
28	3.0	2.1	1.4	2.5	4.7	3.8	3.2P	1.4	2.2	1.9	3.1	3.5	3.7	4.2	2.4	2.2	3.1	1.9	1.7	2.2	3.6	3.7	3.8	2.7	1.4	4.7	
29	3.4	3.0	2.8	2.7	3.2	2.1	2.1P	1.8	2.3	2.1	3.6	2.9	3.7	2.5	2.6	2.5	2.6	1.7	1.4	1.5	1.1	1.4	1.5	1.9	1.1	3.7	
30	2.2	1.8	1.6	1.5	1.4	1.9	1.9P	2.0	2.2	3.4	4.6	4.4	4.2	5.4	5.4	4.5	3.8	3.1	2.5	1.2	1.4	2.2	2.6	2.5	1.2	5.4	
31	4.1	3.8	2.8	2.5	3.0	3.2	2.8P	1.3	2.8	3.7	5.0	5.7	5.3	5.7	5.6	5.0	5.2	3.7	2.0	1.2	1.2	2.1	1.6	2.9	1.2	5.7	

Flags: Monthly: 3.1 Ave Min Max 0.4 10.7

- b = Bad Condition - Invalid Hour (9980)
- 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 SO2 (HL11)

Station/Facility: HL11
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Aug 2009

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	1	1	2	2	2	2	2	2	2C 9985c	7C 9985c	9985c	4	3	2	2	2	2	1	7	
02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2C 9985c	6C 3	3	2	2	2	2	2	2	2	6	
03	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2C 9985c	5C 3	3	8	4	3	2	2	2	2	8	
04	2	2	2	2	2	1	1	1P	2	2	2	2	9985c	2C	2C 9985c	5C 3	2	2	2	2	2	2	2	2	1	5	
05	1	1	2	1	2	1	2	2P	2	9978p 9979d	11D	5	4	4	3C 9985c	5C 3	3	3	2	2	2	2	2	2	1	11	
06	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2C 9985c	4C 3	2	2	2	2	2	2	2	2	2	4	
07	2	2	2	2	2	2	2	1P	1	1	2	2	2	2	1C 9985c	4C 3	2	2	2	2	2	2	2	2	1	4	
08	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2C 9985c	5C 3	2	2	2	2	2	2	2	2	1	5	
09	2	2	2	1	2	1	1	1	2	2	2	1	2	2	2C 9985c	5C 3	2	2	2	2	2	2	2	2	1	5	
10	2	2	2	2	2	2	2	2P	1	2	2	2	1	1	2C 9985c 9978p	9978p	2P	2	2	2	2	2	2	2	1	2	
11	2	2	2	2	2	2	1	2	6	144	60	50	9985c	19	11C 9985c	12C 5	4	4	3	3	3	2	2	2	1	144	
12	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	33P	92	12	6	5	4	4	4C 9985c	10C 5	4	4	3	2	2	2	2	2	2	2	92
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2C 9985c	9C 5	4	4	4	4	3	2	2	2	2	9	
14	2	2	2	2	2	2	2	2P	2	2	2	2	2	2	2C 9985c	12C 6	8	8	6	4	3	2	2	2	2	12	
15	2	2	2	2	2	2	2	3	2	2	2	3	2	2	2C 9985c	5C 3	2	2	2	2	2	2	2	2	2	5	
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2C 9985c	4C 2	2	2	2	2	2	2	2	2	2	4	
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2C 9985c	4C 3	2	2	2	2	2	2	2	2	2	4	
18	2	2	2	1	2	1	1	2P	2	2	2	2	9985c	4C	2C 9985c	8C 3	2	2	2	2	2	2	2	2	1	8	
19	2	2	2	2	2	2	2	2P	1	2	2	2	2	2	2C 9985c	9C 4	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	1	9	
20	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	9978p 9978p	2P	2	2	3	3	2	2	2C 9985c	4C 3	2	2	2	2	2	2	2	2	2	2	4
21	2	2	2	2	2	2	2	1P	2	2	2	2	2	2	2C 9985c	5C 3	2	2	2	2	2	2	2	1	1	5	
22	2	1	2	2	1	1	2	1P	2	2	2	2	2	2	1C 9985c	4C 3	2	2	2	2	2	2	2	1	1	4	
23	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1C 9985c	4C 2	2	2	2	2	2	2	2	2	1	4	
24	2	2	2	1	2	1	1	1P	2	2	2	2	2	2	2C 9985c	5C 3	2	2	2	2	2	2	2	2	1	5	
25	2	2	2	2	2	2	1	2P	2	2	2	2	9985c	2	2C 9985c	3C 2	2	2	2	2	2	2	2	2	1	3	
26	1	2	1	2	2	2	2	1P	2	2	2	2	2	2	2C 9985c	4C 3	2	2	2	2	2	2	2	1	1	4	
27	2	2	1	2	2	1	2	1P	2	2P	2	2	2	2	9978p 9985c	3C 2	2	2	2	2	1	1	1	1	1	3	
28	2	1	2	2	2	1	1	1P	2	1	1	1	1	1	1C 9985c	4C 2	2	2	2	2	2	2	2	2	1	4	
29	1	1	1	2	1	1	1	1P	1	1	2	2	1	1	2C 9985c	4C 2	2	2	2	2	2	2	2	1	1	4	
30	2	1	1	1	1	1	1	1	2	2	2	2	2	2	1C 9985c	4C 2	2	2	2	2	2	2	2	2	1	4	
31	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2C 9985c	4C 2	2	2	2	2	2	2	2	2	1	4	

Flags: Monthly: Ave 3 Min Max 1 144

C = Calibration - Valid Hour
 c = Calibration Auto- Invalid Hour (9985)
 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)

Station/Facility: HL11
 Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
 Month/Year: Aug 2009

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	0	0	-1	0	1	0	-1	1	2	0	1	7	7	1	1	4	8	10	9	8	6	4	2	-1	10
02	4	3	3	5	3	2	2	1	3	3	3	5	5	3	4	6	6	6	4	4	5	6	8	7	1	8
03	6	7	5	8	7	4	7	8	7	6	3	5	6	3	3	2	3	3	3	3	2	2	4	3	2	8
04	4	3	1	2	2	2	4	2	2	-1	2	4	4	4	4	6	5	3	1	1	1	4	4	3	-1	6
05	2	2	5	3	1	2	0	2	5	0P	6	28	6	8	7	8	7	5	7	7	7	7	7	6	0	28
06	7	5	5	8	8	7	6	4	7	7	6	5	1	1	5	7	7	4	5	8	6	5	5	5	1	8
07	7	6	1	1	2	1	1	0	1	2	2	2	2	3	2	4	4	5	4	3	3	3	3	3	0	7
08	2	2	1	2	3	2	3	3	1	1	2	0	1	2	4	7	5	3	6	5	2	4	4	0	0	7
09	0	2	3	3	2	0	4	5	2	0	2	3	1	3	4	4	4	5	3	3	6	8	6	2	0	8
10	3	6	6	5	3	2	1	4	5	5	5	9	7	5	6	4	4	8	0	0	8	6	3	1	0	9
11	2	2	3	2	-2	1	4	3	7	7	57	23	32	34	21	19	2	5	7	7	8	8	9978p	9978p	-2	57
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	10	10	31	14	11	10	7	2	2	7	9	4	3	4	6	6	3	2	31
13	3	5	4	1	5	7	3	4	6	4	3	1	0	2	1	1	5	6	5	3	2	4	3	1	0	7
14	2	3	7	8	5	3	2	5	5	4	2	2	2	3	2	3	2	1	1	3	7	8	6	4	1	8
15	3	5	7	8	7	5	6	6	5	5	6	6	10	9	2	3	6	3	0	1	4	5	5	5	0	10
16	5	4	5	5	6	5	6	7	6	5	6	6	5	5	8	6	1	3	6	4	4	9	8	6	1	9
17	6	5	6	9	5	4	7	8	6	6	5	4	4	4	7	5	1	6	7	6	7	5	5	4	1	9
18	4	7	9	6	5	5	8	5	5	3	7	5	2	1	1	1	1	0	0	3	3	0	2	3	0	9
19	4	4	1	3	3	2	2	3	3	0	0	4	4	0	-1	0	2	2	9978p	9978p	9978p	9978p	9978p	9978p	-1	4
20	9978p	9978p	9978p	9978p	9978p	9978p	9978p	8	5	6	8	7	4	6	6	1	1	4	6	8	10	9	8	7	1	10
21	4	4	8	7	6	7	8	8	6	1	1	3	3	0	-2	0	3	8	7	4	4	2	3	5	-2	8
22	4	2	3	5	6	3	1	-1	-2	0	4	4	2	2	3	4	4	2	2	4	7	7	7	7	-2	7
23	5	2	-3	-5	-2	0	1	1	2	0	0	0	1	3	4	7	8	5	4	4	4	2	3	4	-5	8
24	2	2	0	0	5	6	5	4	1	1	0	1	2	2	3	1	1	3	5	6	6	3	4	3	0	6
25	1	1	1	3	3	1	1	5	5	31	10	5	1	3	2	4	4	6	5	5	6	6	7	1	31	
26	4	3	4	2	3	4	2	5	7	6	7	5	1	5	8	5	3	2	2	2	6	6	10	6	1	10
27	4	5	5	4	2	2	2	4	3	0P	0	0	3	0P	5	1	4	4	1	2	5	8	8	8	0	8
28	6	7	5	4	8	5	4	5	2	2	-1	-4	-1	4	3	3	3	3	1	1	1	3	5	3	-4	8
29	3	2	3	1	4	7	4	3	1	0	1	0	0	1	2	4	4	1	-1	2	3	5	4	0	-1	7
30	-2	1	4	4	6	6	3	2	3	2	2	3	3	4	2	0	2	1	1	2	5	5	2	0	-2	6
31	-1	2	5	6	4	1	1	0	1	4	5	5	4	3	4	4	3	3	1	-1	3	8	9	7	-1	9

Flags: Monthly: 4 Ave Min Max
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Wind Speed (HL11)

Station/Facility: HL11
 Parameter: WS (MPH) Wind Speed
 Month/Year: Aug 2009

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	2.9	2.8	3.0	2.1	2.5	3.4	3.1	4.5	1.9	4.9	2.9	3.8	3.4	3.7	3.4	3.3	2.9	1.2	1.2	1.5	1.3	1.1	1.2	1.1	4.9	
02	2.6	3.5	2.4	1.1	2.3	2.3	2.5	2.2	1.8	1.9	2.1	2.8	3.5	4.1	4.3	4.2	3.7	4.3	0.9	0.9	2.0	2.0	3.2	3.1	0.9	4.3	
03	2.2	2.7	2.5	2.5	2.2	2.3	3.2	3.3	3.2	2.5	5.5	7.0	5.8	7.3	6.0	5.9	5.9	4.3	3.2	1.7	1.7	2.7	2.7	3.6	1.7	7.3	
04	3.9	3.7	3.2	3.7	5.0	4.7	4.2	4.5P	2.5	3.0	2.9	2.8	5.5	3.6	2.7	2.0	1.4	2.5	2.6	2.5	2.5	3.8	4.7	4.1	1.4	5.5	
05	3.9	2.3	2.7	3.6	3.7	3.5	4.2	2.9P	3.2	9978p	5.5	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	2.3	5.5	
06	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	
07	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	
08	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	
09	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	
10	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	
11	9979d	9978p	9978p	9978p	9978p	9978p	9978p	1.7P	2.9	6.9	7.8	7.0	7.5	6.6	5.1	5.1	5.6	3.0	3.6	1.8	1.2	1.5	1.1	9978p	9978p	1.1	4.6
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1.7P	1.5	3.1	3.3	4.4	2.9	3.1	4.4	3.9	3.3	3.1	2.0	1.0	1.9	2.5	2.4	1.9	1.0	4.4	
13	2.1	2.3	1.6	2.6	2.8	2.7	1.7	3.5P	2.9	2.5	1.8	2.5	2.6	3.5	3.6	4.2	3.3	2.7	2.1	0.7	0.8	1.8	2.0	2.2	0.7	4.2	
14	1.4	1.8	1.2	1.4	2.7	2.5	2.3	2.0	4.4	2.9	2.6	5.4	4.9	4.6	5.8	6.6	3.4	2.5	2.2	2.6	2.7	3.8	4.2	3.0	2.0	6.6	
15	2.4	3.4	3.6	2.7	3.1	3.0	2.4	2.0	4.4	2.9	2.6	5.4	4.9	4.6	5.8	6.6	3.4	2.5	2.2	2.6	2.7	3.8	4.2	3.0	2.0	6.6	
16	2.5	2.7	3.6	4.0	4.4	4.2	4.3	2.1	2.9	5.2	3.9	5.5	6.1	4.9	4.9	5.3	3.9	3.1	2.2	3.3	3.8	4.1	4.6	4.8	2.1	6.1	
17	3.7	3.0	3.4	2.9	3.1	2.4	2.6	3.6	2.8	5.4	6.1	6.0	6.0	6.8	6.3	7.3	4.6	2.5	2.7	2.9	4.5	4.9	3.9	3.9	2.4	7.3	
18	3.8	3.9	3.9	3.9	4.0	3.8	3.5	1.6P	2.7	3.8	4.1	4.9	5.2	5.4	4.6	4.2	3.7	3.8	2.3	2.2	1.0	0.9	2.0	2.4	0.9	5.4	
19	3.1	3.4	3.0	2.8	3.1	2.2	3.1	2.2P	1.8	2.9	5.2	7.7	3.4	3.5	4.2	4.7	5.5	3.7	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1.8	7.7
20	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.7P	1.2	2.1	2.0	1.8	2.8	3.5	2.9	4.2	3.0	2.6	2.7	2.7	2.1	2.3	2.8	2.9	1.2	4.2	
21	2.8	4.2	2.9	5.0	4.4	4.2	3.7	3.0P	2.8	4.2	5.3	7.0	5.6	5.4	5.2	3.9	3.6	2.4	2.1	4.1	3.4	4.6	3.5	4.4	2.1	7.0	
22	4.2	4.5	5.7	5.1	4.4	3.9	3.7	3.5P	1.7	3.1	5.2	6.4	8.0	6.7	6.2	5.3	4.4	2.7	1.6	2.9	2.0	2.5	2.6	2.2	1.6	8.0	
23	2.5	2.4	4.8	4.2	2.9	2.9	5.4	4.0	3.6	5.0	3.5	3.5	4.7	4.1	3.9	3.3	3.3	2.4	1.7	1.5	1.9	3.1	2.8	2.8	1.5	5.4	
24	4.0	3.6	3.3	2.7	2.9	4.8	4.0	4.2P	4.2	4.8	4.0	3.0	3.3	4.5	3.7	2.7	3.2	2.5	2.2	2.3	1.9	3.5	3.8	4.5	1.9	4.8	
25	3.0	3.1	4.3	3.7	3.2	2.9	1.8	1.7P	1.2	3.8	5.5	6.7	5.0	5.1	4.6	3.7	3.9	2.7	3.7	2.8	3.3	2.4	3.5	4.5	1.2	6.7	
26	4.8	4.9	3.7	3.5	4.0	4.1	4.1	3.3P	3.4	3.8	4.9	5.8	6.3	5.7	5.5	5.0	4.6	3.2	2.6	3.7	4.6	3.4	4.3	4.4	2.6	6.3	
27	3.3	2.3	2.2	4.6	5.1	3.2	2.4	4.1P	5.4	4.0P	3.1	4.0	4.8	4.8P	4.2P	4.3	3.9	3.2	2.0	2.7	2.1	2.3	2.5	2.8	2.0	5.4	
28	3.1	2.7	1.5	2.6	4.0	3.3	4.0	4.1P	2.8	1.9	2.9	2.5	3.0	2.6	2.4	4.1	3.9	3.5	2.5	3.1	3.0	3.4	3.0	3.1	1.5	4.1	
29	3.2	2.8	3.2	3.6	3.7	2.0	1.9	3.0P	2.4	2.5	2.5	2.0	3.2	3.1	2.9	2.9	2.9	2.1	1.4	2.2	2.2	2.4	2.1	2.3	1.4	3.7	
30	3.2	3.4	3.0	3.1	3.2	3.1	3.5	2.4	4.6	2.7	3.3	5.8	6.5	5.6	5.9	3.8	3.2	2.6	2.1	3.3	3.6	3.9	3.8	4.3	2.1	6.5	
31	3.7	3.3	2.5	2.8	6.5	3.6	3.5	3.7	2.7	3.8	5.3	5.0	5.3	5.8	6.4	4.8	3.6	2.9	2.7	3.7	4.1	4.3	3.3	3.6	2.5	6.5	

Flags: Monthly: Ave 3.4 Min 0.7 Max 8.0
 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)

Wind Direction (HL11)

Station/Facility: HL11
 Parameter: WD (DEG) Wind Direction
 Month/Year: Aug 2009

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	291	274	273	290	79	311	302	353	285	3	61	332	62	65	68	59	55	50	14	223	126	252	150	207
02	268	270	264	237	262	264	268	259	209	223	180	97	86	94	100	110	109	131	203	242	266	242	272	270
03	257	267	264	262	270	262	272	293	295	333	42	62	63	70	63	68	65	63	72	116	245	268	258	271
04	274	267	265	267	268	270	264	274P	262	1	328	283	59	318	295	223	314	358	274	250	262	279	270	262
05	270	277	266	270	269	270	277	297P	355	9978p	68	56D	62D	66D	66D	329D	297D	324D	311D	263D	244D	238D	65D	54D
06	24D	283D	264D	269D	264D	263D	262D	262D	291D	288D	283D	280D	304D	59D	62D	55D	58D	59D	53D	116D	254D	262D	251D	272D
07	255D	265D	237D	265D	263D	261D	275D	265P	231D	257D	51D	38D	62D	26D	40D	322D	272D	36D	204D	263D	262D	271D	271D	280D
08	274D	261D	267D	267D	260D	252D	268D	234D	240D	341D	31D	46D	60D	49D	53D	58D	51D	50D	317D	268D	245D	269D	254D	244D
09	264D	248D	265D	258D	230D	253D	265D	261D	333D	38D	345D	330D	46D	3D	33D	2D	7D	315D	294D	283D	264D	246D	256D	255D
10	251D	250D	228D	269D	260D	262D	257D	292P	301D	347D	26D	16D	20D	20D	24D	11D	9978p	9978p	324P	305D	313D	349D	348D	309D
11	255D	238D	257D	232D	240D	256D	249D	249D	96D	163D	122D	111D	90D	80	68	60	18	328	259	230	267	235	9978p	9978p
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	256P	81	112	115	117	104	106	120	100	112	97	110	125	139	234	224	233
13	259	256	265	232	242	260	286	218	148	141	72	88	23	45	81	92	106	109	129	119	198	240	253	264
14	259	265	263	247	242	263	263	266P	267	272	163	308	61	23	33	48	75	113	109	156	247	265	266	265
15	260	256	256	255	261	264	218	236	270	305	99	70	59	54	56	69	40	23	349	276	300	276	278	272
16	278	275	276	277	273	273	271	264	5	7	312	59	60	50	51	63	51	41	16	292	276	277	278	278
17	269	262	276	275	294	318	261	272	9	69	66	60	63	59	59	65	50	24	313	277	275	276	269	263
18	261	257	259	259	259	261	261	226P	90	71	63	60	68	64	64	53	50	63	43	27	205	221	250	262
19	262	260	263	263	259	270	259	251P	227	114	64	71	91	46	74	62	67	55	9978p	9978p	9978p	9978p	9978p	9978p
20	9978p	9978p	9978p	9978p	9978p	9978p	9978p	132P	191	261	19	26	35	51	49	60	49	42	262	268	259	262	267	274
21	300	283	268	279	274	275	284	315P	357	359	60	63	64	49	48	39	37	25	345	323	282	277	272	277
22	280	277	279	276	275	261	266	261P	238	49	55	56	63	60	57	57	51	44	30	292	260	267	260	331
23	281	273	277	272	251	263	282	279	286	290	317	21	53	55	40	29	47	45	358	290	253	268	258	262
24	270	265	263	270	269	275	259	272P	277	282	299	13	33	54	53	30	51	42	336	324	272	265	270	278
25	267	272	277	268	266	259	257	259P	25	66	68	62	59	57	49	43	54	353	324	293	287	262	275	278
26	277	278	286	283	276	275	276	306P	345	35	63	65	62	65	58	51	49	50	326	305	280	271	279	272
27	264	265	275	290	277	271	270	284P	276	281P	62	47	60	64P	59P	57	56	61	8	279	261	263	264	265
28	267	244	241	260	264	252	271	279P	277	226	267	12	356	3	279	269	265	265	250	264	256	270	248	245
29	263	267	254	272	271	227	256	262P	264	288	268	192	99	41	321	252	267	295	282	264	259	267	261	261
30	260	260	263	260	259	264	257	269	289	321	40	77	73	60	68	41	40	30	13	276	273	266	266	269
31	267	266	253	266	285	267	271	276	346	31	74	56	59	52	65	64	43	36	312	278	275	275	270	269

Flags: Monthly Ave: 197

D = Off-Line Part of Hour - Valid Hour
 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: Aug 2009

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	0P	2	9985c	4	4	4	4	5	5C	9985c	4C	3	2	1	0	0	0	0	5	
02	1	0	0	0	0	0	1P	1	9985c	4	3	2	4	5	3	1	1	1	1	1	1	1	1	0	5	
03	1	1	1	0	0	-1	0P	0	1	9985c	1	0	0	0	0	0	0	0	0	0	0	0	0	-1	1	
04	0	0	-1	0	0	3	2P	4	10	9985c	2	0	9985c	1	2	2	1	0	0	1	1	1	0	-1	10	
05	1	1	1	1	1	1	0P	1	1	9985c	2	1	1	1	2	5	4	1	0	0	2	0	2	0	5	
06	2	3	2	2	1	1	2P	9	11	9985c	15	14	17	21	21	22	20	20	17	9	6	4	3	1	22	
07	4	2	2	1	1	1	1P	2	2	9985c	2	2	3	4	3	1	0	1	2	1	0	0	0	0	4	
08	0	0	0	0	-1	-1	0P	1	7	9985c	7	2	1	0	0	0	0	0	0	0	-1	-1	0	-1	7	
09	1	0	0	0	-1	-1	0P	0	0	9985c	1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	
10	-1	-1	-1	-1	-1	-1	0P	0	0	9985c	2	1	0	0	0	0	-1	-1	-1	1	2	1	1	-1	2	
11	2	2	2	1	0	0	0P	1	0	9985c	2	0	9985c	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	
12	-1	-1	-1	-1	-1	-1	-1P	0	1	9985c	2	1	1	1	1	0	-1	-1	-1	-1	-1	-1	-1	-1	2	
13	-1	-1	0	0	0	1	1P	2	1	9985c	3	1	0	0	1	9	16	21	23	13	7	6	4	-1	23	
14	4	3	3	3	2	2	3P	5	6	9985c	5	4	4	6	5	3	4	4	5	4	3	2	1	1	6	
15	1	0	0	0	0	0	0P	0	0	9985c	8	11	13	18	23	21	18	15	13	11	7	6	4	0	23	
16	2	2	1	1	0	0	0P	0	1	9985c	7	11	18	17	29	37	35	31	22	17	9	7	4	0	37	
17	3	3	4	3	3	3	2P	5	6	9985c	6	10	12	11	6	3	2	3	4	3	2	1	1	1	12	
18	1	1	2	2	1	1	0P	1	1	9985c	2	1	9985c	1	0	0	0	0	-1	0	0	3	6	-1	6	
19	5	13	12	11	6	4	5P	15	11	9985c	13	17	17	14	11	12	10	10	8	5	2	2	2	2	17	
20	2	3	6	8	4	4	3P	12	15	9985c	15	12	10	7	7	8	7	6	3	4	3	4	3	1	15	
21	1	1	1	0	0	0	0P	3	9	9985c	11	10	10	12	12	4	1	5	7	4	3	2	3	0	12	
22	2	1	1	2	2	1	1P	7	9	9985c	11	10	12	18	22	21	15	10	6	4	3	2	1	1	22	
23	1	2	1	2	2	2	2P	3	3	9985c	4	4	5	2	2	3	6	3	3	2	2	1	0	0	6	
24	0	0	0	1	1	1	2P	5	3	9985c	4	3	2	2	10	11	11	10	10	7	9978p	9978p	9978p	0	11	
25	9978p	9978p	9978p	9978p	9978p	9978p	1P	7	19	9985c	38	41	9985c	37	23	16	6	2	1	1	10	7	1	0	41	
26	1	1	1	1	1	3	3P	3	4	9985c	2	3	18	26	34	36	35	26	13	22	19	5	2	1	36	
27	4	3	2	2	2	2	2P	5	4	9985c	4	3	2	2	2	2	1	0	0	1	0	0	0	0	5	
28	1	0	0	0	0	0	3P	3	2	9985c	2	1	1	0	1	4	3	2	1	1	1	0	0	0	4	
29	0	0	0	0	0	-1	0P	0	0	9985c	4	6	8	8	12	10	4	1	0	0	0	0	-1	-1	12	
30	-1	-1	0	0	0	-1	-1P	-1	-1	9985c	2	3	7	3	2	2	2	2	0	0	0	0	0	0	7	
31	1	0	0	0	0	0	0P	0	0	9985c	2	0P	5	10	1	0	0	-1	-1	-1	-1	-1	-1	-1	10	

Flags:
C = Calibration - Valid Hour
c = Calibration Auto- Invalid Hour (9985)
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: Aug 2009

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	12	14	16	16	11	14	11	12	10	14	11	11	18	16	14	19	17	20	16	14	17	16	17	10	20
02	18	21	15	12	14	11	11	11	19	15	16	12	17	15	15	17	13	12	10	14	10	17	23	22	10	23
03	19	18	16	18	18	18	11	11	12	9	10	11	9	8	7	8	10	7	8	11	10	10	10	10	7	19
04	12	9	6	7	9	9	9	10	8	10	14	8	8	3	0	4	5	6	10	11	10	9	12	15	0	15
05	11	12	14	13	15	13	12	11	9	8	10	9	8	8	9	9	22	22	22	23	17	13	20	18	8	23
06	22	18	15	18	14	16	21	16	16	17	19	20	21	26	26	30	33	37	39	35	33	37	34	24	14	39
07	24	29	25	25	24	24	23	22	19	15	9	8	14	17	21	25	22	16	15	25	21	22	18	10	8	29
08	12	12	9	10	12	12	11	12	9	8	9	12	19	16	17	6	7	8	8	8	8	8	8	8	6	19
09	11	13	10	8	10	9	8	8	7	5	6	7	6	7	6	7	7	5	6	9	10	9	8	7	5	13
10	3	3	6	5	4	6	10	11	9	9	8	6	8	9	11	12	9	4	2	6	17	15	15	20	2	20
11	22	18	18	16	15	10	11	10	9	9	8	6	3	2	5	8	5	0	-2	0	2	1	1	1	-2	22
12	0	1	1	-2	-3	-2	0	4	9	10	7	9	14	9	8	8	8	4	2	3	3	1	1	2	-3	14
13	3	4	7	6	7	10	11	11	7	5	5	7	9	7	7	8	8	16	27	26	23	23	17	16	3	27
14	18	19	18	18	18	16	18	18	15	16	17	17	17	18	17	25	19	19	20	26	26	22	16	19	15	26
15	13	13	17	14	14	18	11	19	18	10	11	11	15	20	26	32	34	30	32	31	25	22	23	21	10	34
16	19	23	19	16	19	10	15	16	11	17	16	16	15	21	24	26	38	40	39	35	31	29	26	16	10	40
17	17	19	23	30	26	21	25	26	18	12	16	13	13	18	20	21	14	16	18	21	13	12	12	11	11	30
18	18	13	12	18	23	21	19	12	11	11	12	12	16	9	8	7	6	5	4	2	3	5	9	22	2	23
19	28	15	26	26	20	14	14	14	13	12	10	10	12	20	23	24	20	25	21	24	24	24	26	31	10	31
20	29	30	28	34	31	34	27	27	23	31	33	34	34	33	22	16	14	24	25	23	23	22	20	17	14	34
21	18	17	8	10	10	8	8	10	8	9	12	10	16	17	19	23	27	11	11	16	19	16	19	18	8	27
22	19	15	12	14	13	17	11	12	12	18	16	15	18	19	24	26	32	35	27	29	18	21	21	21	11	35
23	19	27	28	27	23	18	19	19	11	11	10	12	13	13	14	14	12	14	18	21	19	23	19	19	10	28
24	21	20	14	11	12	13	12	14	11	16	15	16	19	16	13	16	16	28	27	25	18	9978p	9978p	11	28	
25	9978p	9978p	9978p	9978p	9978p	9978p	9978p	13	12	14	13	27	21	25	30	36	27	23	11	10	10	14	15	18	10	36
26	14	15	14	12	15	17	18	14	11	10	8	11	9	8	19	28	36	41	36	35	33	36	33	12	8	41
27	26	26	22	23	23	22	21	21	21	22	22	18	18	14	14	10	11	17	5	9	11	9	9	6	5	26
28	3	14	12	14	12	11	15	13	13	13	12	9	9	11	11	10	6	18	17	9	10	15	16	10	3	18
29	15	16	12	12	9	8	7	6	5	6	6	6	10	12	19	23	20	20	13	10	9	7	6	7	5	23
30	7	6	7	5	4	6	6	6	9	9	5	4	6	5	15	7	7	8	11	11	10	11	10	10	4	15
31	9	9	11	15	9	5	14	12	9	26	1	4	0P	6	9	16	8	7	3	2	4	3	3	3	0	26

Flags: Monthly: Ave -3 Min Max

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

Wind Speed (KN12)

Station/Facility: KN12
 Parameter: WS (MPH) Wind Speed
 Month/Year: Aug 2009

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	4.0	4.3	4.8	4.6	4.6	5.0	3.9P	3.3	4.2	3.6	2.9	5.0	5.8	6.2	6.2	4.9	3.6	2.1	1.0	1.4	1.0	2.4	3.4	1.0	6.2
02	3.7	4.2	4.4	4.4	4.2	3.9	3.9	2.8P	3.0	3.3	3.2	3.9	4.0	3.4	3.6	3.0	3.1	2.6	1.9	2.9	3.0	0.9	1.4	1.5	0.9	4.4
03	1.5	2.0	1.2	2.0	2.1	2.8	3.0	2.5P	4.0	4.3	5.0	4.6	5.5	6.9	5.0	3.4	3.0	3.2	2.9	2.8	2.5	3.3	2.6	1.8	1.2	6.9
04	3.6	4.8	3.4	2.6	1.8	1.0	1.8	1.7P	1.7	3.8	3.7	4.5	3.9	5.5	4.7	3.6	2.4	2.6	2.2	2.9	4.0	3.4	3.7	3.3	1.0	5.5
05	3.0	3.5	3.0	3.0	3.3	2.7	2.9	2.3P	2.9	2.8	4.7	5.4	5.1	4.6	3.4	2.9	2.7	1.1	3.1	3.5	4.1	2.5	3.6	3.1	1.1	5.4
06	3.8	4.0	4.2	3.7	3.9	3.9	3.8	3.1P	2.4	4.3	6.4	4.9	4.5	4.6	4.3	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	2.4	6.4
07	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
08	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
09	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
10	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
11	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d
12	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9978p	9979d	9979d	9979d	9979d	4.7	5.1	4.7	4.0	5.0	4.3	3.3	2.0	1.9	4.4	3.4	4.0	1.9	5.1
13	3.7	3.9	3.6	4.2	4.0	4.8	4.9	3.6P	4.3	5.3	5.2	5.3	4.8	5.4	5.7	6.0	5.9	3.1	4.0	3.1	2.1	1.8	1.1	2.0	1.1	6.0
14	2.3	2.6	3.5	3.9	4.5	4.1	4.7	3.9P	2.0	3.7	5.0	5.0	4.1	4.7	5.0	3.6	3.7	3.4	3.1	2.4	1.1	1.5	1.0	0.8	0.8	5.0
15	1.3	3.4	4.0	2.9	3.5	4.1	4.1	3.3P	3.4	4.8	5.3	5.2	6.1	5.7	5.3	5.8	5.8	4.8	3.1	3.0	2.0	1.3	1.2	1.8	1.2	6.1
16	1.8	1.3	1.8	2.6	2.8	3.2	3.6	2.6P	3.0	3.2	3.8	4.9	4.4	3.9	3.0	3.9	3.8	2.4	2.2	0.9	1.5	2.0	2.7	2.2	0.9	4.9
17	2.4	3.4	4.4	3.2	4.3	5.6	6.5	5.0P	2.5	3.4	5.3	5.8	5.2	4.0	4.0	4.2	3.2	1.9	2.5	1.9	1.1	1.5	0.9	1.1	0.9	6.5
18	1.7	2.7	3.3	3.1	3.7	4.7	4.4	3.7P	3.7	4.3	5.5	6.0	6.8	6.5	4.0	4.5	3.0	2.6	3.1	1.5	1.7	3.7	4.8	4.7	1.5	6.8
19	5.4	4.9	4.1	4.0	4.9	4.4	4.2	3.4P	2.7	3.9	4.3	5.2	6.0	6.2	6.0	5.3	4.4	3.0	1.4	0.8	1.4	2.7	2.9	2.3	0.8	6.2
20	3.1	2.4	3.9	3.2	4.3	4.3	4.9	3.4P	2.1	4.4	4.1	3.9	4.8	4.9	4.6	5.0	4.0	3.1	2.5	2.2	2.8	2.3	1.6	1.3	1.3	5.0
21	1.5	1.5	1.2	2.3	1.9	2.7	2.2	1.9P	1.7	2.9	4.1	4.3	5.1	5.4	3.9	3.6	2.5	2.7	2.3	1.4	1.9	2.6	2.1	2.6	1.2	5.4
22	2.5	1.9	1.7	3.1	4.1	3.6	3.9	3.4P	2.6	4.3	3.9	4.8	5.1	5.4	4.9	4.6	4.3	2.6	2.3	3.3	3.2	2.8	4.5	4.7	1.7	5.4
23	4.7	4.7	5.9	6.8	6.3	6.9	4.7	3.0P	1.7	4.0	4.5	5.5	5.5	4.1	4.1	1.9	2.2	2.5	2.4	1.7	1.1	2.0	2.5	3.6	1.1	6.9
24	3.6	6.2	4.3	4.6	5.1	5.5	5.5	4.6P	1.4	4.0	4.6	5.8	6.1	4.8	4.3	4.3	4.7	3.9	3.2	1.2	0.9	9978p	9978p	9978p	0.9	6.2
25	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.7P	2.6	3.3	3.2	4.2	3.8	4.9	4.7	3.3	2.3	2.1	0.9	3.3	3.2	3.3	3.6	3.5	0.9	4.9
26	4.3	4.5	6.0	5.2	5.3	5.5	3.9	3.3P	2.2	3.3	4.9	5.8	4.8	4.5	3.6	1.9	2.6	2.6	2.5	2.1	2.0	2.4	2.6	3.0	1.9	6.0
27	3.7	2.7	2.6	1.8	3.0	3.4	4.6	4.2P	2.2	3.3	4.6	5.7	5.5	5.2	4.6	3.3	3.0	2.8	1.4	1.9	2.1	1.8	1.6	3.9	1.4	5.7
28	4.7	5.8	5.6	6.1	7.2	7.3	7.3	5.7P	2.7	3.6	3.8	5.7	5.7	6.1	5.5	4.3	4.5	4.2	3.8	2.4	2.7	3.0	2.5	4.3	2.4	7.3
29	3.8	3.8	5.1	4.8	4.1	3.7	5.8	4.6P	4.2	4.8	4.8	5.2	4.6	3.7	3.2	3.0	3.3	2.7	3.0	2.6	1.6	2.0	3.1	3.0	1.6	5.8
30	3.3	3.9	4.0	3.8	4.5	4.8	4.8	4.4P	3.3	2.4	2.4	3.7	5.7	4.4	4.2	3.6	1.5	1.5	2.4	2.8	3.1	2.0	2.4	3.6	1.5	5.7
31	4.6	7.3	4.2	4.4	4.1	4.0	5.2	3.9P	2.5	4.0	4.1	5.6	5.9P	5.6	4.7	5.0	5.1	3.5	3.5	2.5	2.4	2.4	0.9	1.9	0.9	7.3

Flags:

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

Monthly: Ave 3.6 Min 0.8 Max 7.3

Wind Direction (KN12)

Station/Facility: KN12
 Parameter: WD (DEG) Wind Direction
 Month/Year: Aug 2009

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	96	75	71	77	76	74	80	100P	185	221	246	262	261	276	295	297	295	292	292	264	139	55	88	72
02	67	71	74	84	82	73	85	80P	209	179	202	214	246	247	295	287	303	288	205	114	83	38	32	21
03	38	38	16	54	97	111	109	131P	176	192	204	216	254	268	270	332	334	328	34	40	76	99	76	126
04	93	87	99	86	119	110	103	114P	186	253	264	273	271	277	281	266	180	79	107	90	89	94	89	91
05	96	95	105	96	92	93	87	67P	262	219	239	256	271	261	271	279	287	23	98	75	82	97	88	94
06	88	95	89	84	73	73	76	62P	330	311	290	286	279	277	252	245D	237D	268D	291D	305D	61D	42D	76D	82D
07	76D	74D	66D	75D	74D	71D	74D	73P	228D	262D	252D	250D	258D	250D	255D	252D	239D	264D	283D	301D	341D	37D	13D	86D
08	74D	68D	66D	80D	64D	67D	71D	67P	234D	247D	249D	246D	243D	252D	252D	251D	247D	215D	212D	119D	81D	51D	47D	24D
09	38D	47D	50D	56D	58D	77D	73D	75P	225D	212D	210D	228D	245D	259D	240D	267D	277D	14D	33D	55D	49D	59D	63D	75D
10	74D	72D	80D	74D	51D	67D	70D	79P	229D	243D	251D	243D	250D	233D	230D	217D	214D	191D	134D	92D	67D	79D	79D	78D
11	80D	79D	76D	63D	74D	75D	68D	55P	220D	250D	247D	246D	224D	227D	201D	242D	261D	272D	241D	245D	260D	104D	166D	138D
12	130D	134D	171D	127D	99D	80D	78D	66P	247D	218D	249D	248D	244	236	261	265	282	285	288	348	351	28	21	20
13	55	62	88	84	68	81	79	128P	169	192	200	242	260	274	288	306	324	355	10	22	9	43	15	54
14	75	60	78	77	78	74	75	66P	244	246	262	255	257	283	284	304	312	313	316	321	18	343	7	349
15	355	59	65	42	44	38	48	28P	287	297	291	282	265	270	286	310	308	322	329	318	331	340	16	48
16	98	223	64	66	72	70	59	76P	88	254	238	263	256	241	270	252	264	268	279	45	71	98	81	77
17	68	48	65	57	85	73	73	85P	184	199	247	227	219	210	215	206	188	177	167	115	131	127	54	57
18	45	55	59	63	62	63	57	42P	331	304	317	306	297	293	289	247	211	262	268	256	75	87	86	85
19	84	70	70	68	76	71	67	61P	307	281	254	255	272	275	286	293	287	312	329	16	56	76	62	48
20	75	64	74	54	70	76	81	89P	228	257	248	245	262	304	298	299	297	317	324	342	21	37	61	112
21	108	131	57	42	42	53	61	33P	349	282	267	275	256	266	258	255	239	262	280	54	74	115	78	108
22	104	116	90	75	80	75	73	60P	319	279	274	261	259	244	257	255	266	348	43	70	71	65	76	73
23	76	72	82	87	86	86	91	94P	202	242	245	270	257	260	274	276	345	324	323	11	6	49	67	88
24	71	83	67	69	77	73	70	74P	234	253	255	252	252	255	271	275	286	286	283	332	114	9978p	9978p	9978p
25	9978p	9978p	9978p	9978p	9978p	9978p	9978p	55P	251	270	238	269	299	302	312	328	346	335	349	75	68	70	70	98
26	91	81	86	81	79	89	91	103P	142	202	243	275	265	276	274	211	228	204	131	109	125	124	102	62
27	78	89	52	51	69	65	71	72P	280	226	248	251	225	196	193	191	226	279	337	0	13	205	338	72
28	76	83	80	72	72	81	75	69P	275	264	250	265	263	259	261	268	302	314	302	317	37	38	40	55
29	39	70	91	84	74	73	85	97P	150	177	217	256	265	279	295	316	310	327	13	27	87	101	93	110
30	110	104	102	99	89	77	82	88P	112	130	171	193	249	239	209	231	173	100	66	63	81	87	95	97
31	107	98	112	115	106	103	84	88P	200	208	215	243	249P	236	199	192	216	187	192	110	85	62	125	110

Flags: Monthly Ave: 163

D = Off-Line Part of Hour - Valid Hour
 P = Power Failure - Valid Hour
 p = Power Failure - Invalid Hour (9978)

Monthly Matrix SO2 (PE10)

Station/Facility: PE10
 Parameter: SO2 (PPB) Sulfur Dioxide
 Month/Year: Aug 2009

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	1	1P	1	0	0	0	0	9985C	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	
02	0	1	0	0	0	0	0	0	9985C	1	9978p	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	
03	0	1	0	1	0	1	0	0	9985C	1	9978p	9978p	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	
04	0	1	1	1	1	0	1	0	9985C	1C	9985C	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
05	0	1	1	0	1	1	0	0	9985C	1	1	1	1	0	1	1	1	1	0	1	1	0	0	1	0	0	1	
06	0	1	1	0	1	1	0	1	9985C	1	1	1	1	1	0	1	0	1	0	0	0	1	1	0	0	0	1	
07	0	1	1	0	1	0	0	0	9985C	1	1	0	0	1	0	1	0	0	0	1	0	0	1	1	1	0	1	
08	0	1	1	0	1	0	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	1	0P	0	0	0	0	1	
09	0	1	1	0	0	1	0	0	9985C	0	0	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	1	
10	1	1	1	0	1	0	0	0	9985C	1	0	1	0	1	0	0P	0	0	0	0	0	0	1P	1	0	0	1	
11	0P	1	1	1	0	0	0	0	9985C	2C	9985C	3	2	2	2	1	1P	1P	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0	3	
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9985C	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p
13	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9985C	9978p	9978p	9978p	9978p	9978p	1D	1	1	1	1	1	1	1	1	1	1	0	1	
14	0	1	0	1	0	1	1	1	9985C	1	1	1	1P	1	1P	1	1	1	0	0	0	1	1	1	1	0	1	
15	1	1	1	0	0	1	1	1	9985C	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
16	1	1	1	1	1	1	1	1	9985C	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	
17	1	1	1	1	1	1	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
18	1	1	1	1	1	1	1	1	9985C	1C	9985C	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	
19	1	1	0	1	1	1	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	
20	0	1	1	0	1	1	1	1	9985C	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0	0	1	1	
21	0	1	1	1	1	1	1	0	9985C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
22	1	1	1	1	1	0	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	
23	1	1	1	1	1	1	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	
24	1	1	1	1	0	0	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
25	1	1	1	1	1	1	1	1	9985C	1C	9985C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	1	1	1	1	1	1	1P	1	9985C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	0	1	1	1	1	1	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
28	1	1	1	1	0	1	1	1	9985C	1	1	1	1	0	1	1	1	0	1	1	1	1P	1	1	1	0	1	
29	1	1	1	1	1	1	1	0	9985C	1	1	0P	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	
30	0	1	1	1	1	1	1	0	9985C	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
31	1	1	1	1	1	1	1	1	9985C	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	

Flags: Monthly: 1 Ave 0 Min Max
 C = Calibration - Valid Hour
 c = Calibration Auto- Invalid Hour (9985)
 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)