Monthly Matrix SO2 (HL11)

Station/Facility: HL11
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Mar 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	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	2C	9995c	9995c	3	2	2	2	9980b	1	3
02	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	4C	4	3	9980b	9980b	9980b	9980b	9980b	1	4
03	1	1	1	1	1	1	1	1P	1	1	3	3	9995c	4	3C	9995c	3C	2	2	2	1	1	1	1	1	4
04	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	5C	2	2	2	1	1	1	1	1	5
05	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	4C	3	3	2	2	2	1	9980b	1	4
06	1	1	1	1	1	1	1	1P	1	1	1	1	1	3	2C	9995c	5C	3	2	2	1	1	1	9980b	1	5
07	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	6C	3	3	2	2	2	2	9980b	1	6
08	1	1	1	1	2	2	2	2P	2	1	2	2	2	2	2C	9980b	9980b	9980b	9980b	2	2	2	9980b	9980b	1	2
09	1	1	1	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	5C	3	2	2	2	2	1	9980b	1	5
10	1	1	1	1	1	1	1	1P	1	1	1	1	9995c	3	2C	9995c	5C	3	2	2	2	2	2	9980b	1	5
11	1	1	1	1	1	1	1	1P	1	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1	1
12	1	2	3	4	5	7	10	14P	14	23	15	4	2	2	2C	9995c	4C	3P	2	2	2	2	2	9980b	1	23
13	1	1	1	1	1	1	2	3P	9	10	11	4	3	3	3C	9995c	4C	3	4	4	3	2	3	9980b	1	11
14	7	5	4	4	7	8	8	9P	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4	9
15	8	6	6	9	9	6	6	7P	10	50	51	33	27	35	35C	9995c	24C	19	14	19	19	12	12	9980b	6	51
16	11	10	9	8	8	7	7	7P	7	8	8	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	7	11
17	2	3	2	2	3	3	3	2P	2	2	2	2	9995c	3C	11C	9995c	6C	3	2	2	2	3	3	2	2	11
18	92	46	16	19	53	73	80	63P	61	50	19	7	4	3P	3C	9995c	7C	4	2	4	5	5	3	3	2	92
19	2	9978p	9978p	9978p	9978p	9978p	9978p	1P	1D	9979d	9978p	9978p	5P	4	3C	9995c	6C	3	3	2	2	2	2	2	1	6
20	2	1	1	1	1	1	2	2P	1	1	1	2	2	2	2C	9995c	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1	2
21	2	1	1	1	1	1	1	1P	1	1	2	2	2	2	1C	9995c	6C	7	6	4	3	2	2	9980b	1	7
22	2	2	1	1	1	2	1	1P	1	1	1	1	2	3	2C	9995c	9C	3	3	3	3	4	11	5	1	11
23	2	2	2	2	2	2	2	1P	2	4	5C	3	2	2	2C	9995c	4C	2	4	2	2	2	2	2	1	5
24	1	1	1	1	1	2	1	2P	2	5	4	3	9995c	4	2C	9995c	5C	4	5	3	2	2	2	2	2	5
25	1	1	1	1	1	1	1	1P	1	1	1	9978p	9978p	9978p	2C	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	1	1
26	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2P	2	2	2	2	1	9980b	2C	9995c	5C	3	2	2	2	9980b	9980b	9980b	1	5
27	2	2	2	2	4	3	2	2P	1	1	1	1	1	9980b	1C	9995c	4C	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1	4
28	2	2	2	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	4C	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1	4
29	1	2	1	1	1	1	1	1P	1	1	1	1	1	1	1C	9995c	4C	2	2	2	2	1	1	1	1	4
30	1	1	1	1	1	9978p	9978p	1P	1	1	2	1	1	1	1C	9995c	4C	2	2	2	2	1	1	1	1	4
31	1	1	1	1	1	1	1	1P	1	1	1P	2	9995c	2	2C	9995c	4C	2	2	2	2	1	1	1	1	4

Monthly:	1	4	92
	Min	Ave	Max

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

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 01 Apr 2009 07:54

Monthly Matrix PM2.5 (HL11)

Station/Facility: HL11
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: Mar 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	7	8	7	9	13	9	8	8	6	8	10	8	9	11	9	10	13	10	7	6	7	8	7	9980b	6	13
02	6	6	5	3	0	-2	0	4	5	5	6	8	5	3	3	2	2	7	8	9980b	9980b	9980b	9980b	9980b	-2	8
03	1	2	3	1	1	4	5	2	3	2	2	2	5	8	8	8	5	5	7	6	4	3	3	4	1	8
04	5	2	1	3	6	5	4	5	4	4	2	3	6	7	4	3	4	3	3	3	4	4	3	4	1	7
05	3	2	3	4	5	3	1	1	3	4	2	3	5	6	5	5	4	3	3	1	-2	1	4	9980b	-2	6
06	2	3	1	0	0	1	2	2	3	3	4	5	5	4	2	1	3	5	4	5	5	2	2	9980b	0	5
07	1	2	0	0	2	1	1	3	3	3	3	4	3	1	1	1	1	3	3	1	0	1	5	9980b	0	5
08	-1	1	3	3	3	5	4	1	-1	1	2	1	1	1	1	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	-1	5
09	2	1	0	2	0	-1	-1	0	0	-2	0	1	2	1	2	2	1	2	3	3	4	6	4	9980b	-2	6
10	3	2	2	3	3	2	3	6	6	3	3	3	6	6	6	7	4	3	6	6	4	4	2	9980b	2	7
11	3	4	5	3	4	4	3	1	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	5
12	6	6	7	9	8	7	8	9	17	7	6	7	6	4	3	1	2	0P	4	4	4	4	5	9980b	0	17
13	3	1	3	3	4	6	4	6	8	10	13	8	5	5	6	2	4	8	7	7	10	14	15	9980b	1	15
14	13	17	6	10	15	19	14	11	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	6	19
15	16	14	14	13	11	16	17	13	13	17	30	28	26	20	27	31	38	26	21	26	23	21	27	9980b	11	38
16	23	24	21	23	19	24	20	20	16	16	20	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	16	24
17	9	9	16	9	11	19	15	16	12	10	6	3	3	3	5	6	6	7	5	4	6	8	6	4	3	19
18	4	82	53	24	25	53	64	43	24	20	29	9	8	0P	8	6	6	6	7	8	8	10	10	7	0	82
19	4	9978p	9978p	9978p	9978p	9978p	9978p	3	4	4	0P	0P	2	2	4	5	3	4	6	6	8	8	8	6	0	8
20	6	7	5	6	7	4	4	5	5	5	4	4	4	6	9	10	7	9	9	9	6	4	4	3	4	10
21	5	4	2	2	3	3	1	3	3	-1	2	6	6	5	4	5	7	9	9	9	6	4	4	3	-1	9
22	2	5	5	1	2	6	5	2	2	3	2	2	5	7	8	9	8	6	5	4	6	7	7	7	1	9
23	7	5	3	3	5	8	6	5	4	7	8	6	5	6	6	5	7	7	4	4	3	3	9978p	9978p	3	8
24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	3	5	8	9	9	8	5	7	9	7	8	4	3	7	8	8	6	3	9
25	6	7	5	2	2	0	2	4	3	4	2	5	6	6	7	6	7	6	6	6	4	6	6	6	0	7
26	9978p	9978p	9978p	9978p	9978p	9978p	9978p	6	7	6	5	4	6	8	7	6	6	6	6	6	4	9980b	9980b	9980b	4	8
27	3	2	4	3	2	4	3	4	5	2	3	4	6	6	6	6	6	6	9980b	9980b	9980b	9980b	9980b	9980b	2	6
28	6	4	1	4	4	1	4	5	5	5	8	9	8	6	12	9	5	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1	12
29	4	5	3	4	3	3	3	1	1	3	6	9	5	6	10	7	6	6	5	2	3	4	1	-1	-1	10
30	1	4	4	2	9978p	9978p	9978p	6	6	5	3	4	5	6	6	7	6	6	9	6	5	4	4	3	1	9
31	2	1	2	4	2	3	4	5	8	5	0P	5	7	5	5	6	4	6	6	6	5	4	4	3	0	8

Monthly:	6 Ave	-2 Min	82 Max

Flags:
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: Mar 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	294	304	306	294	285	290	306	297P	18	43	48	53	70	68	59	57	51	21	300	277	274	284	284	9980b
02	55	258	273	265	280	267	273	278P	292	277	280	246	289	312	15	52	83	82	333	9980b	9980b	9980b	9980b	9980b
03	273	264	269	268	266	272	287	271P	274	291	345	48	61	16	34	54	57	55	297	280	271	267	262	246
04	271	261	266	259	275	269	275	268P	263	284	274	308	296	1	260	46	281	277	272	277	266	247	273	272
05	265	276	250	268	261	280	278	291P	276	278	279	306	300	293	274	271	217	238	300	281	287	272	282	9980b
06	278	273	272	281	284	263	276	274P	269	297	46	53	53	191	236	35	270	247	263	267	259	268	263	9980b
07	263	257	264	319	341	303	355	340P	357	336	34	60	82	263	273	324	106	332	284	120	347	161	325	9980b
08	216	267	258	133	228	305	354	3P	13	61	30	297	177	47	20	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
09	257	252	249	232	257	242	246	251P	247	242	216	174	238	212	205	164	202	252	222	256	220	254	255	9980b
10	255	256	269	266	302	14	331	1P	325	353	36	39	23	354	7	352	323	307	294	290	295	287	275	9980b
11	267	258	260	258	261	262	258	270P	292	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
12	264	253	247	266	264	260	262	255P	356	121	57	26	20	27	13	20	29	48P	20	18	333	285	271	9980b
13	262	266	259	285	205	232	252	254P	244	78	66	73	67	59	46	62	224	286	276	264	261	259	257	9980b
14	260	259	259	258	261	259	257	261P	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
15	261	263	259	268	261	261	263	269P	304	56	57	46	50	31	42	55	112	158	228	238	263	251	259	9980b
16	262	262	266	262	263	261	260	260P	258	59	71	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
17	257	266	264	260	268	260	262	265P	269	261	140	63	126	89	112	113	144	242	265	262	269	263	264	257
18	253	251	265	261	266	262	266	255P	134	84	86	83	333	346P	308	72	358	44	71	100	77	268	260	262
19	264	9978p	9978p	9978p	9978p	9978p	9978p	281P	254D	346P	269P	349P	295P	7	320	279	240	263	256	258	268	261	260	263
20	264	264	260	258	261	272	303	277D	336	40	26	347	63	65	56	61	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
21	284	271	261	253	279	287	272	265P	262	301	355	47	72	89	83	93	110	117	191	251	281	262	250	263
22	266	264	266	264	259	262	262	267P	264	297	259	269	253	78	83	109	103	106	239	258	225	177	168	246
23	177	240	228	19	276	255	266	262P	218	103	332	76	82	62	63	59	90	219	296	257	283	204	9978p	9978p
24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	257P	151	92	125	99	65	65	56	59	69	97	253	256	256	265	264	260
25	259	238	267	270	263	259	261	260P	232	280	127	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b
26	9978p	9978p	9978p	9978p	9978p	9978p	9978p	13P	335	334	51	61	76	75	70	63	62	272	268	264	265	9980b	9980b	9980b
27	258	220	271	62	234	266	226	255P	260	279	29	50	68	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
28	270	273	271	272	280	273	274	242P	265	44	52	64	52	61	59	58	55	9980b	9980b	9980b	9980b	9980b	9980b	9980b
29	276	278	283	263	266	265	264	250P	289	44	343	32	57	57	56	57	38	18	316	254	276	286	271	257
30	275	261	276	261	9978p	9978p	9978p	276P	276	49	79	54	71	73	62	60	50	54	36	266	267	271	241	268
31	242	263	266	266	262	262	251	255P	260	268	166P	87	129	280	114	130	276	254	37					

Monthly Ave: 211

Flags:
b = Bad Condition - Invalid Hour (9980)
D = Off-Line Part of Hour - Valid Hour
P = Power Failure - Valid Hour
p = Power Failure - Invalid Hour (9978)

Wind Speed (HL11)

Station/Facility: HL11
Parameter: WS (MPH) Wind Speed
Month/Year: Mar 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	6.3	5.8	6.1	5.6	5.5	5.7	4.6	6.0P	3.1	4.1	3.0	4.1	5.8	5.9	4.9	3.6	4.2	1.9	2.4	4.1	3.7	3.9	3.1	9980b	1.9	6.3
02	1.9	2.8	3.2	4.3	4.5	3.9	3.6	4.3P	3.5	3.3	4.9	4.3	4.8	4.3	3.4	4.4	5.3	3.2	3.2	9980b	9980b	9980b	9980b	9980b	1.9	5.3
03	3.1	3.0	3.4	3.6	3.1	4.5	3.9	4.5P	4.4	3.4	2.5	3.5	5.1	3.0	3.6	3.7	3.7	2.7	1.9	3.7	2.9	2.6	3.0	3.3	1.9	5.1
04	3.9	3.5	3.3	3.4	4.3	4.0	2.9	3.4P	3.5	3.3	3.5	3.5	3.6	3.6	3.2	2.5	4.2	4.3	3.0	2.2	3.0	2.1	4.0	4.0	2.1	4.3
05	3.0	3.7	2.7	3.0	3.6	5.4	4.7	5.8P	4.6	5.1	4.7	2.8	4.1	4.5	3.0	1.9	1.5	1.3	2.7	3.8	3.0	3.7	4.5	9980b	1.3	5.8
06	4.4	3.8	3.2	3.9	4.4	3.4	4.0	4.3P	3.4	2.3	2.7	2.6	2.2	2.2	2.7	2.1	1.4	2.2	2.5	2.6	2.8	2.8	2.3	9980b	1.4	4.4
07	2.2	2.3	1.7	2.6	1.8	2.6	2.6	3.1P	3.4	3.4	2.7	4.5	4.6	3.0	2.7	3.0	2.1	2.0	1.5	1.3	1.9	1.4	3.8	9980b	1.3	4.6
08	3.1	2.2	2.2	2.1	1.1	2.9	2.8	1.6P	2.1	1.2	2.7	1.8	1.9	2.7	2.4	3.0	2.1	2.0	1.5	9980b	9980b	9980b	9980b	9980b	1.1	3.1
09	2.3	3.3	2.9	2.5	2.9	2.5	2.6	2.5P	2.6	2.5	2.5	2.4	3.4	3.3	2.9	2.8	3.0	2.5	1.5	1.6	2.4	2.4	2.6	9980b	1.5	3.4
10	3.0	2.5	2.4	2.1	2.1	3.5	5.3	3.3P	4.9	4.3	3.6	3.4	2.4	3.7	3.4	3.6	5.1	4.2	2.8	4.1	3.8	3.1	2.8	9980b	2.1	5.3
11	2.8	2.6	2.8	3.4	3.2	2.9	2.9	4.0P	3.9	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.6	4.0
12	3.1	2.3	3.0	3.3	2.9	3.2	2.9	3.0P	2.6	2.6	3.8	6.0	6.5	4.9	6.5	5.9	4.8	5.0P	5.3	4.0	3.3	2.8	1.9	9980b	1.9	6.5
13	1.5	1.7	1.7	1.1	0.8	1.3	2.9	3.5P	2.2	2.4	3.2	4.0	2.9	1.9	1.7	1.3	1.3	1.3	2.0	1.2	1.7	2.1	2.2	9980b	0.8	4.0
14	2.6	3.4	4.2	4.1	3.7	3.9	4.3	4.6P	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.6	4.6
15	2.9	3.5	3.5	3.5	3.9	2.9	3.5	4.0P	2.2	2.4	4.7	3.3	2.9	3.1	3.4	2.9	1.7	0.9	1.8	2.7	1.6	1.9	2.5	9980b	0.9	4.7
16	3.4	3.5	3.1	2.7	2.8	2.5	2.8	2.6P	1.7	1.5	2.9	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.5	3.5
17	2.4	2.5	2.8	2.8	2.9	2.4	3.1	2.1P	1.6	1.1	0.8	1.6	1.9	2.8	2.0	2.2	1.2	1.5	2.7	2.5	3.4	2.4	2.5	3.5	0.8	3.5
18	3.0	2.5	2.7	3.0	2.9	3.0	3.0	3.8P	1.8	3.6	5.3	4.9	5.1	2.6P	1.9	2.5	1.9	2.1	1.8	1.0	1.2	1.2	1.6	1.8	1.0	5.3
19	2.0	9978p	9978p	9978p	9978p	9978p	9978p	2.4P	2.7D	9979d	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.4	3.5
20	3.4	3.7	3.8	4.0	3.8	3.9	2.8	2.9P	2.7	2.4	2.9	3.6	2.4	4.6	5.0	4.8	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.4	5.0
21	4.0	3.5	2.6	2.8	2.8	4.6	3.5	2.4P	2.5	1.8	2.5	3.3	4.3	4.2	3.9	4.1	4.5	2.5	1.4	2.8	3.1	2.4	2.3	2.4	1.4	4.6
22	2.5	2.4	2.4	2.5	3.0	2.7	3.2	3.1P	3.2	3.9	3.1	3.4	2.7	3.3	4.7	3.6	3.5	2.3	1.9	2.1	1.7	1.4	2.0	1.8	1.4	4.7
23	1.3	1.4	0.8	1.8	3.5	2.9	2.6	2.1P	1.6	2.5	2.4	4.6	5.6	6.3	5.2	4.3	4.0	2.2	2.3	2.0	3.2	2.5	9978p	9978p	0.8	6.3
24	9978p	9978p	9978p	9978p	9978p	9978p	9978p	1.6P	2.0	4.3	4.8	4.5	4.7	5.6	4.5	5.3	3.9	2.7	1.8	2.5	2.8	3.3	3.2	3.4	1.6	5.6
25	3.3	3.5	5.0	5.6	3.8	3.3	3.4	3.1P	2.3	3.9	3.1	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	2.9	9980b	9980b	9980b	2.3	5.6
26	9978p	9978p	9978p	9978p	9978p	9978p	9978p	2.2P	2.3	2.0	4.7	4.9	6.3	7.1	7.3	6.1	4.2	2.8	2.8	2.8	2.9	9980b	9980b	9980b	2.0	7.3
27	1.9	1.6	1.1	1.5	2.4	2.9	2.1	4.0P	4.0	5.0	2.8	3.8	6.4	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.1	6.4
28	4.8	4.8	3.6	3.5	3.7	3.2	3.4	2.3P	2.2	3.7	4.9	6.0	5.3	6.3	6.1	5.4	4.7	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.2	6.3
29	4.4	4.3	4.9	3.3	3.3	3.0	3.3	2.6P	2.4	1.9	2.5	3.1	5.1	5.2	4.8	4.6	3.7	1.8	1.4	3.2	4.1	4.5	3.2	3.0	1.4	5.2
30	3.1	3.5	3.7	3.2	9978p	9978p	9978p	3.9P	3.8	2.6	4.1	4.4	6.3	7.1	5.8	5.5	4.5	3.7	3.5	3.2	4.8	4.0	3.9	3.0	2.6	7.1
31	3.6	3.3	3.0	2.7	2.8	3.1	3.1	3.6P	4.0	3.9	3.1P	3.5	5.0	3.7	5.1	4.4	3.2	2.3	2.6						2.3	5.1

	Monthly:	3.2	0.8	7.3
		Ave	Min	Max

Flags:
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 (KN12)

Station/Facility: KN12
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Mar 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	4	3	3	3	2	2	2	3	4	8	9995c	14	15	12	11	11	8C	9995c	6C	6	5	4	3	9980b	2	15
02	2	3	2	2	2	2	2	3	13	16	9995c	14	11	9	4	5	7	11	5	5	5	3	1	9980b	1	16
03	2	2	2	1	1	1	1	1	2	3	9995c	8	8	9995c	7	7	10	11	9980b	9980b	9980b	9980b	9980b	9980b	1	11
04	1	3	2	1	1	2	1	0P	1	1	9995c	6	3	2	1	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	6
05	1	1	0	0	2	1	1	1	1	1	9995c	4	2	2	10	16	17	13	5	2	2	9980b	9980b	9980b	0	17
06	1	1	1	1	1	1	0	0	0	1	9995c	4	3	2	2	2	1	3	0	-1	-1	-1	9980b	9980b	-1	4
07	-1	-1	-1	-1	-1	-1	-1	-1	-1	7	9995c	10	5	14	8	2	2	3	2	0	0	0	0	9980b	-1	14
08	1	1	1	0	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	1
09	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
10	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
11	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5P	2	1	0	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	5
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b		
13	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
14	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b		
16	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p		
17	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0P	9978p	9978p	9978p	-1P	-1	9995c	0	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	0
18	-1	-1	-1	-1	-1	-1	-1	0P	2	3	9995c	3	2	1	0	1	3	0	-1	-1	-1	-1	-1	0	-1	3
19	0	0	-1	0	0	1	-1	-1P	0	1	9995c	4	3	5	3	1	0	0	0	-1	-1	-1	-1	-1	-1	5
20	-1	-1	-1	-1	-1	-1	1	1P	0	1	9995c	4	1	1	3	4	5	9	9	8	5	4	3	1	-1	9
21	0	0	0	1	2	0	0	0P	3	5	9995c	3	3	6	10	8	2	0	1	1	1	0	0	0	0	10
22	0	-1	0	-1	2	0	0	0P	2	2	9995c	7	7	9	6	1	2	3	7	3	2	2	1	1	-1	9
23	1	0	0	0	0	0	0	0P	1	2	9995c	3	2	2	1	2	1	1	0	0	0	0	0	0	0	3
24	-1	0	-1	0	0	-1	-1	-1P	1	1	9995c	3	4	9995c	2	3	9	15	17	25	15	5	3	4	-1	25
25	2	2	1	1	1	2	2	3	3	3	9995c	6	6	8	16	15	14	11	8	5	2	0	1	2	0	16
26	3	3	4	5	4	3	6	7P	11	10	9995c	14	12	10	9	4	2	2	1	2	1	0	1	1	0	14
27	0	1	1	1	0	0	0	0P	1	3	9995c	7	11	7	8	10	11	13	3	1	9980b	9980b	9980b	9980b	0	13
28	-2	1	0	0	0	0	0	0P	1	3	9995c	9	10	14	10	16	11	9	7	8	4	2	9980b	9980b	0	16
29	0	1	1	0	0	0	0	0P	4	9	9995c	10	7	3	4	2	1	4	6	5	5	3	1	1	0	10
30	1	0	0	0	0	1	0	0P	2	3	9995c	4	2	1	0	0	-1	0	1	1	0	0	-1	-1	-1	4
31	-1	0	0	-1	0	0	0	0P	2	2P	9979d	23	5	2	3	2	2	3	2	1					-1	23

																						Monthly:	3	-1	25
																							Ave	Min	Max

Flags:
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 (KN12)

Station/Facility: KN12
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: Mar 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	17	18	16	19	17	17	15	14	17	13	21	19	24	20	13	23	20	18	18	19	15	19	18	9980b	13	24
02	20	15	19	17	10	13	15	14	18	12	13	15	18	27	21	9	9	11	13	11	11	15	13	9980b	9	27
03	16	15	18	16	13	13	16	10	11	12	11	15	14	11	17	18	16	20	9980b	9980b	9980b	9980b	9980b	9980b	10	20
04	24	20	20	25	18	21	19	15	15	14	20	20	21	17	18	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	14	25
05	13	16	18	10	16	21	18	15	14	13	13	11	9	6	9	11	19	20	19	15	13	9980b	9980b	9980b	6	21
06	14	10	10	14	16	15	15	11	7	11	13	13	14	14	13	10	9	11	10	7	8	9	9980b	9980b	7	16
07	6	2	3	3	1	6	7	5	4	3	5	6	9	10	11	13	9	4	5	8	8	7	9	9980b	1	13
08	4	3	6	11	8	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	3	11
09	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
10	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
11	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	0	9978p	9979d	9979d	9979d	9979d	9979d	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	0
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
13	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
14	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b		
16	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b		
17	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	6	-1	-1	3	2	4	-1	-1	4	3	4	3	1	-1	6
18	1	2	-1	-3	-2	2	3	3	1	1	2	1	0	1	3	4	3	3	6	6	4	5	7	9	-3	9
19	10	7	7	10	8	6	6	4	3	4	7	10	11	15	10	8	7	7	9	11	9	4	0	1	0	15
20	3	0	-1	1	5	5	1	0	1	3	6	6	6	6	8	11	8	9	13	17	19	16	0	20	-1	20
21	17	13	12	11	11	10	9	8	7	9	11	9	9	16	20	22	23	5	5	8	19	6	8	8	5	23
22	9	10	19	13	15	11	11	11	11	10	10	11	10	11	20	14	10	10	16	15	19	18	17	13	9	20
23	13	13	17	21	16	13	12	17	10	14	15	14	18	20	14	19	23	21	18	20	22	24	28	19	10	23
24	20	19	15	11	11	18	12	11	9	15	14	18	18	16	11	11	14	20	23	24	22	24	28	20	9	28
25	17	18	17	9	8	11	16	7	8	19	12	19	19	19	15	22	21	29	20	13	18	15	19	28	7	29
26	22	22	26	21	17	22	15	19	13	19	20	19	18	25	25	23	19	16	14	23	23	25	21	23	13	26
27	21	18	16	18	13	17	9	9	12	15	14	13	15	14	12	18	17	20	20	12	9980b	9980b	9980b	9980b	9	21
28	18	22	23	15	10	12	11	16	1	15	16	14	15	18	16	12	23	15	22	18	24	18	9980b	9980b	1	24
29	17	14	15	15	13	18	11	14	13	18	18	13	13	13	10	10	12	12	23	25	19	26	19	17	10	26
30	14	16	17	14	15	14	18	12	16	12	12	9	9	12	12	6	4	6	4	7	8	9	11	7	4	18
31	8	10	9	9	15	10	11	11	10	0P	11	10	15	13	16	18	15	11	12						0	18
																							Monthly:		13	29
																									Min	Max

Min | -3
Ave | 13
Max | 29

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

Wind Direction (KN12)

Station/Facility: KN12
Parameter: WD (DEG) Wind Direction
Month/Year: Mar 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	78	75	77	77	77	85	86	84	84	253	271	296	299	256	216	217	200	171	146	94	81	75	76	9980b
02	83	77	71	78	79	78	81	84	166	209	177	283	286	293	278	227	206	206	110	71	64	63	72	9980b
03	81	85	84	75	74	76	73	71	355	264	263	257	265	265	276	255	270	268	9980b	9980b	9980b	9980b	9980b	9980b
04	76	71	74	92	77	82	91	89P	80	21	308	293	281	281	285	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
05	110	104	74	84	83	83	84	93	115	159	188	217	242	258	250	259	257	184	69	56	89	9980b	9980b	9980b
06	68	76	82	77	93	79	83	76	37	248	178	185	176	209	256	322	269	188	26	25	99	55	9980b	9980b
07	83	81	73	72	148	127	130	112	71	350	261	291	291	252	98	237	236	263	92	117	105	85	80	9980b
08	53	62	84	69	101	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
09	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
10	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
11	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	253P	284	278	263	288	9980b	9980b	9980b	9980b	9980b	9980b	9980b
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b
13	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b
14	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b
16	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b
17	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5P	358	357	249	276	219	70	83	67	57	104	89	73
18	27	33	51	22	39	90	67	83P	225	227	243	266	239	218	202	270	221	160	149	122	118	66	66	68
19	63	66	88	94	61	70	91	81P	300	271	252	257	233	229	191	186	190	104	151	345	103	47	34	60
20	79	82	78	81	90	87	91	93P	159	183	209	216	214	216	239	232	272	301	325	52	59	59	94	75
21	81	74	89	108	86	75	68	69P	300	280	249	233	256	250	248	263	274	284	300	301	252	120	81	73
22	60	70	71	74	69	71	73	73P	310	288	270	276	281	276	290	302	322	317	310	25	36	65	78	61
23	65	76	71	74	74	71	68	67P	325	280	279	287	276	282	277	284	296	317	53	88	76	74	67	66
24	67	68	72	75	75	77	81	80P	312	313	289	289	280	267	272	268	256	240	270	5	27	61	67	66
25	79	83	79	77	74	80	70	71P	248	254	255	262	263	280	275	278	288	305	303	280	76	77	86	84
26	73	72	78	69	65	73	71	68P	330	272	244	266	286	291	303	288	287	270	57	91	55	64	88	90
27	99	112	117	100	66	78	76	73P	5	280	292	268	263	285	304	260	206	213	182	106	9980b	9980b	9980b	9980b
28	77	70	94	85	85	87	73	74P	188	259	267	273	258	248	263	258	233	142	39	16	80	83	9980b	9980b
29	76	82	86	83	85	76	78	75P	317	286	283	259	255	241	237	229	254	253	146	191	91	83	78	83
30	86	77	80	79	84	84	78	73P	218	235	274	251	254	262	227	212	240	241	249	76	76	92	81	84
31	79	75	55	59	69	70	72	63P	337	288P	296	304	292	318	322	315	308	312	333					

Monthly Ave: 160

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

Wind Speed (KN12)

Station/Facility: KN12
Parameter: WS (MPH) Wind Speed
Month/Year: Mar 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	5.3	5.3	5.4	5.1	5.5	6.5	7.0	6.5	3.3	3.0	5.5	5.8	5.4	4.9	4.4	5.7	4.3	3.5	2.7	3.5	3.7	4.3	4.8	4.8	2.7	7.0
02	5.9	4.4	4.2	4.9	5.9	4.8	5.7	5.6	2.8	3.1	3.3	6.2	5.6	7.0	5.9	3.7	3.8	3.9	2.5	3.2	3.4	3.7	4.3	4.3	2.5	7.0
03	5.9	6.3	6.9	4.8	4.9	5.7	4.8	4.3	2.9	4.0	4.2	4.5	6.8	4.9	6.2	4.2	4.0	4.5	9980b	9980b	9980b	9980b	9980b	9980b	2.9	6.9
04	3.8	3.7	5.4	3.9	5.1	4.5	4.5	4.8P	2.4	2.0	4.7	4.0	5.5	5.0	5.2	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.0	5.5
05	3.1	5.2	3.6	5.1	4.9	2.9	4.8	4.5	4.3	4.3	5.3	3.8	3.7	4.6	4.2	3.8	4.2	1.5	2.2	1.9	2.1	9980b	9980b	9980b	1.5	5.3
06	3.4	2.8	2.8	3.6	4.0	4.5	5.1	4.0	2.1	2.5	2.4	2.5	2.6	3.4	2.4	2.6	2.2	1.4	1.3	1.5	0.9	3.2	9980b	9980b	0.9	5.1
07	3.6	4.7	7.6	6.8	2.9	3.1	2.4	2.9	1.6	2.1	3.8	2.9	3.1	3.3	2.8	2.6	3.5	2.6	1.5	2.2	3.4	4.6	3.5	9980b	1.5	7.6
08	2.0	2.5	4.4	3.4	2.7	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.0	4.4
09	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
10	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
11	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	5.0P	4.8	5.8	5.3	4.8	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4.8	5.8
12	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b		
13	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
14	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
15	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
16	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9980b	9980b	9980b	9980b	9980b	9980b	9980b		
17	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	9978p	3.0P	4.0	2.5	3.2	2.8	1.6	2.9	6.4	1.7	2.9	3.6	7.2	6.0	1.6	7.2
18	3.3	3.6	3.9	3.5	2.9	3.4	4.8	4.5P	2.2	3.6	4.1	4.3	5.6	5.3	4.9	4.1	4.0	4.6	4.4	3.2	2.4	3.3	3.1	4.2	2.2	5.6
19	4.0	4.0	5.8	5.9	4.2	5.5	5.3	3.5P	2.1	3.6	5.0	3.6	2.5	4.4	4.1	3.9	4.0	3.1	2.9	4.7	10.3	6.6	4.1	3.1	2.1	10.3
20	5.3	6.2	5.2	6.5	7.6	8.5	7.2	6.4P	4.9	4.5	5.1	5.4	6.4	6.7	5.4	5.2	5.5	3.8	2.5	2.7	3.0	3.3	2.8	3.1	2.5	8.5
21	5.1	4.0	5.1	4.8	5.6	4.3	5.0	4.4P	3.2	4.5	3.2	4.7	6.0	5.4	5.2	5.6	4.4	3.6	2.7	2.2	1.5	1.0	1.8	2.7	1.0	6.0
22	1.9	4.4	5.4	6.6	7.2	6.8	4.9	4.1P	2.9	4.2	4.3	5.2	6.6	6.2	5.9	5.1	4.3	3.0	2.7	1.1	1.6	2.2	2.3	2.3	1.1	7.2
23	2.3	2.8	4.4	3.3	4.0	4.6	4.9	4.7P	3.5	4.2	5.3	5.5	6.5	5.5	6.0	5.6	4.1	1.9	1.2	2.5	3.2	3.8	4.2	4.0	1.2	6.5
24	3.9	4.1	5.8	6.7	6.1	5.3	6.1	5.3P	2.5	3.8	6.9	6.3	6.9	6.4	5.7	5.0	4.6	2.1	3.0	1.1	1.6	2.7	2.9	2.7	1.1	6.9
25	5.0	6.4	4.1	5.1	4.8	5.9	6.3	5.0P	1.9	3.8	3.9	5.4	7.1	5.8	6.1	6.7	5.4	4.1	3.0	1.8	1.6	3.3	4.7	5.4	1.6	7.1
26	4.1	4.1	5.1	5.6	5.2	5.4	6.1	5.5P	2.3	3.4	4.9	5.5	7.5	5.7	4.0	5.9	3.1	2.8	0.7	2.1	2.4	2.9	2.6	4.2	0.7	7.5
27	4.4	3.9	3.8	4.5	4.1	5.6	5.0	4.2P	2.0	4.5	5.0	5.3	5.3	4.8	2.5	3.3	2.9	2.6	1.4	2.9	9980b	9980b	9980b	9980b	1.4	5.6
28	3.8	3.7	5.0	4.7	5.4	5.8	4.3	4.0P	2.2	4.3	4.9	5.0	4.9	5.5	5.0	2.8	1.6	0.7	2.4	1.6	3.8	3.9	9980b	9980b	0.7	5.8
29	4.6	4.6	5.3	5.3	6.6	5.1	4.8	4.2P	2.1	4.6	4.3	5.2	5.0	4.7	4.8	4.4	3.2	2.6	2.0	1.2	1.8	3.4	3.6	4.5	1.2	6.6
30	4.6	3.6	5.2	5.1	7.0	6.9	5.8	4.3P	1.9	3.6	3.5	3.8	5.0	4.7	2.4	2.4	2.6	2.2	2.3	0.6	1.7	2.8	2.5	3.8	0.6	7.0
31	3.2	3.7	3.5	4.4	5.4	4.4	5.0	4.3P	3.2	5.3P	5.4	5.8	5.5	4.6	5.7	6.4	6.1	4.7	2.5						2.5	6.4

Monthly:	4.2 Ave	0.6 Min	10.3 Max

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

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 01 Apr 2009 08:04

Monthly Matrix SO2 (PA16)

Station/Facility: PA16
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Mar 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	123	73	63	66	45	33	23	17P	1	120	190	12	9995c	49	9	14	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1	190
02	12	80	264	345	321	14	36	30P	3	7	51	30	9995c	52	14	22	24	118	177	645	242	9980b	9980b	9980b	3	645
03	149	68	540	361	71	172	389	246P	264	39	31	65	9995c	12	10C	12C	9	11	160	31	63	108	149	9980b	9	540
04	433	330	99	50	117	168	90	82P	70	106	54	9978p	9979d	27D	12D	9995c	10	43	46	61	97	83	82	9980b	10	433
05	36	70	82	57	54	54	319	253P	394	357	225	67	9995c	29	66	85	56	79	46	118	123	122P	240	353	29	394
06	233	53	18	49	239	181	225	145P	30	54	54	83	9995c	44	75	19	31	37	37	30	20	20	11	9980b	11	239
07	45	116	163	56	39	25	28	11P	19	31	51	26	9995c	3	1	1	0	0	0	0	0	9980b	9980b	9980b	0	163
08	42	52	37	204	155	114	58	30P	18	4	2	21	9995c	4	3	3	3	11	91	9980b	9980b	9980b	9980b	9980b	2	204
09	3	3	22	55	139	84	6	2P	1	1	1	0	9995c	1	0	0	0	0	0	0	1	5	12	9980b	0	139
10	26	69	94	87	105	116	89	48P	47	91	81	60	9995c	38	32C	16C	19	20	18	36	85	67	68	9980b	16	116
11	80	105	82	93	75	67	58	93P	236	224	181	160	9995c	56	13	9	9	5	4	5	3	2	1	9980b	1	236
12	0	0	0	0	0	0	0	0P	1	1	2	2	9995c	15	12	7	5	1	14	35	65	9980b	9980b	9980b	0	65
13	43	30	26	10	7	3	2	1P	2	9P	11	0	9995c	1	1	0	0	0	0	0	0	9980b	9980b	9980b	0	43
14	0	0	0	0	0	0	0	0P	0	0	0	0	9995c	0	0	0	0	0	0	0	0	9980b	9980b	9980b	0	0
15	0	0	0	0	0	0	0	0P	0	0	0	0	9995c	1	0	0	0	1	0	0	0	0	9980b	9980b	0	1
16	0	0	0	0	0	0	0	0P	0	31	68	43	9995c	28	8	2	1	1	0P	0	0	9980b	9980b	9980b	0	68
17	4	2	9	39	92	84	63	46P	37	33	47	20	9995c	5	3C	1C	1	1	0	0	13	10	9980b	9980b	0	92
18	207	206	71	53	27	7	3	3P	18	7	1	9978p	0P	0	0P	0	0	1	5	4	2	1	1	9980b	0	207
19	38	28	74	79	67	64	68	95P	250	70	26	42	9995c	72	134	135	80	57	99	60	71	18	18	94	18	250
20	46	48	59	68	102	233	211	205P	343	515	100	14	9995c	4	2	3	3	10	41	59	88	104	88	150	2	515
21	121	100	46	21	16	46	101	242P	174	49	60	13	9995c	3	2	2	3	3	18	92	65	93	93	60	2	242
22	31	15	59	63	13	78	47	22P	150	23	20	7	9995c	3	2	1	3	3	11	60	53	78	73	42	1	150
23	28	50	264	42	183	144	176	109P	74	46	35	23	9995c	6	2	2	3	9	62	34	90	45	48	98	2	264
24	55	35	81	44	24	22	19	16P	89	87	53	54	9995c	3	2C	2C	3	11	92	304	102	119	9980b	9980b	2	304
25	76	7	34	559	403	151	23	35P	64	28	41	24	9995c	5	2	1	2	4	9	9980b	9980b	9980b	9980b	9980b	1	559
26	54	43	18	16	18	34	49	52P	67	35	20	27	9995c	3	1	1	2	2	4	22	54	55	9980b	9980b	1	67
27	29	27	26	29	39	56	53	54P	78	300	138	11	9995c	5	6	18	12	11	80	101	107	25	23	22	5	300
28	35	86	77	121	117	59	74	104P	79	41	35	9	9995c	8	10	66	82	34	1	22	17	40	15	9980b	1	121
29	28	40	40	49	47	58	78	127P	112	62	63	27	9995c	14	12	11	24	72	22	2	1	1	10	54	1	127
30	31	1	2	41	58	118	81	69P	66	22	45	16	9995c	8	8	7	28	198	28	72	181	9980b	9980b	9980b	1	198
31	55	110	88	150	85	82	19	22P	23	36	43	33	9995c	21	2C	1C	1	14	9						1	150

					Monthly:	55	0	645
						Ave	Min	Max

Flags:
b = Bad Condition - Invalid Hour (9980)
C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
D = Off-Line Part of Hour - Valid Hour
d = Off-Line Part of Hour - Invalid Hour (9979)
P = Power Failure - Valid Hour
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: Mar 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	12	11	11	11	10	9	8	10	12	10	8	9	6	3	5	8	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	3	12
02	5	3	6	13	13	11	6	4	3	0	2	4	9	10	9	6	7	12	8	6	20	9980b	9980b	9980b	0	20
03	2	3	4	8	13	8	9	12	56	10	6	4	7	10	9	8	12	12	10	10	11	12	12	9980b	2	56
04	8	10	11	9	7	8	10	10	11	17	9	6	6	6	6	28	6	6	11	14	18	16	28	9980b	6	28
05	15	14	18	17	14	14	12	11	11	17	17	12	11	23	8	29	32	20	26	10	12	0P	9	8	0	32
06	18	15	10	5	4	5	4	6	6	2	17	21	24	22	22	37	12	17	14	14	12	12	11	9980b	2	37
07	6	4	4	8	5	2	1	1	3	5	9	18	1	2	3	1	0	2	1	-1	1	9980b	9980b	9980b	-1	18
08	1	-1	0	3	4	6	7	3	3	2	1	2	0	2	1	-1	0	-1	1	9980b	9980b	9980b	9980b	9980b	-1	7
09	0	-1	-1	-1	2	7	7	2	-1	-1	1	-1	0	0	-1	-2	-2	-1	-1	0	-1	4	10	9980b	-2	10
10	10	11	22	22	13	13	11	8	7	8	21	20	21	22	16	15	13	14	16	19	20	18	14	9980b	7	22
11	13	14	14	14	14	12	12	13	13	19	18	16	36	32	14	10	8	8	5	2	6	10	9	9980b	2	36
12	6	4	4	3	4	8	6	3	7	8	6	5	5	8	18	11	10	12	10	4	3	9980b	9980b	9980b	3	18
13	24	17	15	14	11	12	10	6	4	4	8	10	12	7	-1	0	2	1	3	5	4	9980b	9980b	9980b	-1	24
14	6	2	0	1	1	0	0	3	2	0	0	0	1	3	3	1	1	27	-1	3	3	0	9980b	9980b	-1	27
15	-1	-1	-1	1	2	2	1	1	1	0	-1	1	1	0	1	3	3	4	7	7	3	-1	9980b	9980b	-1	7
16	-1	-1	-3	2	3	0	-2	-1	0	0	6	35	33	34	27	6	3	-1	0P	1	3	9980b	9980b	9980b	-3	35
17	18	17	13	18	23	53	36	31	29	17	21	24	13	9	5	3	2	1	1	3	2	3	9980b	9980b	1	53
18	32	22	24	14	12	8	6	4	1	3	1	9978p	13	1	0P	0	2	4	3	5	6	2	4	9980b	0	32
19	3	7	13	12	6	4	6	10	14	20	19	13	13	39	26	16	16	21	16	19	13	8	4	3	3	39
20	5	4	4	11	28	24	22	10	12	13	33	34	14	10	7	8	10	8	10	13	21	29	31	17	4	34
21	18	12	11	6	0	1	3	2	3	4	17	16	3	4	4	5	7	9	13	12	31	17	34	13	0	34
22	15	15	10	6	4	3	4	6	5	7	8	12	10	6	8	9	6	7	11	10	29	18	14	13	3	29
23	7	4	9	13	7	6	10	8	7	7	18	16	13	9	7	7	6	8	17	31	11	9	6	6	4	31
24	6	3	4	9	8	6	7	7	1	6	14	14	19	9	8	6	6	6	7	13	28	11	9980b	9980b	1	28
25	12	10	3	1	30	17	8	5	3	6	7	16	15	7	0	1	2	4	4	9980b	9980b	9980b	9980b	9980b	0	30
26	2	4	6	7	3	3	4	3	5	6	12	12	11	10	7	6	12	14	10	5	6	25	9980b	9980b	2	25
27	6	2	3	6	6	0	3	4	2	5	17	12	10	7	6	7	9	13	12	12	14	18	3	6	0	18
28	6	3	6	8	9	10	5	3	5	36	16	12	10	9	8	9	11	10	9	8	8	8	9	9980b	3	36
29	5	3	4	3	4	5	5	6	7	39	17	19	7	9	10	8	8	10	7	3	3	3	2	2	2	39
30	4	3	0	0	4	6	7	6	6	10	9	10	15	15	19	13	13	11	18	4	8	9980b	9980b	9980b	0	19
31	7	8	9	9	10	10	8	6	6	7	10	23	19	16	13	9	7	17	6						6	23

| | | | | | | | | | | | | | | | | | | | | | | | Monthly: | 9 | -3 | 56 |
| | | | | | | | | | | | | | | | | | | | | | | | | Ave | Min | Max |

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

Wind Direction (PA16)

Station/Facility: PA16
Parameter: WD (DEG) Wind Direction
Month/Year: Mar 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	267	324	287	256	254	226	212	158P	66	63	72	64	77	95	100	102	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
02	124	198	258	208	134	138	79	124P	75	77	95	100	93	98	97	96	91	92	118	140	117	9980b	9980b	9980b
03	124	91	68	133	232	176	186	231P	129	76	92	94	98	103	100	102	99	93	85	170	229	295	281	9980b
04	253	263	249	300	283	261	276	242P	275	199	93	101P	98	100	104	99	98	94	76	248	283	154	304	9980b
05	227	262	189	284	126	275	201	278P	175	207	189	137	101	101	100	102	103	93	172	229	289	274P	291	255
06	243	170	104	284	249	216	152	150P	81	99	104	101	105	98	99	76	81	83	163	206	273	306	303	9980b
07	301	291	254	249	236	319	291	298P	250	177	129	100	70	67	103	147	171	212	150	140	212	9980b	9980b	9980b
08	176	78	182	108	193	224	191	163P	63	62	65	81	82	75	78	79	78	148	107	9980b	9980b	9980b	9980b	9980b
09	64	129	209	153	174	102	128	102P	85	94	65	74	67	67	89	82	58	73	175	241	119	211	96	9980b
10	284	314	310	317	322	318	317	321P	278	210	197	167	172	150	131	184	217	218	231	268	295	307	327	9980b
11	326	308	329	318	315	327	336	300P	119	159	149	166	174	162	147	174	241	147	263	153	270	321	314	9980b
12	331	326	313	322	333	338	335	323P	201	150	141	147	147	159	184	141	54	182	203	226	317	9980b	9980b	9980b
13	309	227	208	237	248	239	220	117P	129	113P	116	106	99	101	93	81	73	81	234	287	324	9980b	9980b	9980b
14	292	261	195	186	181	235	284	193P	176	169	182	171	167	177	187	181	185	194	263	257	256	332	9980b	9980b
15	324	326	319	236	247	302	338	259P	105	141	173	183	188	189	177	179	174	154	153	129	155	149	9980b	9980b
16	116	203	210	316	287	330	327	256P	87	87	116	194	257	197	183	149	137	137	227	227	327	9980b	9980b	9980b
17	319	324	315	322	316	323	315	301P	251	225	183	165	136	168	163	127	111	218	329	274	308	324	9980b	9980b
18	312	310	321	324	323	323	330	216P	93	98	103	9978p	9978p	9979d	109P	89	89	88	84	86	125	73	64	9980b
19	139	246	311	275	286	312	323	302P	117	101	99	104	252	96	56	241	241	298	310	306	275	274	312	316
20	327	278	309	319	295	307	321	307P	94	99	107	113	107	100	105	160	156	228	232	234	278	298	311	303
21	293	176	93	125	273	296	274	209P	160	106	101	98	101	95	95	99	96	88	92	109	120	190	165	132
22	135	299	295	305	256	218	250	153P	88	103	99	103	103	98	96	96	99	97	90	152	214	140	131	151
23	94	92	77	77	92	127	75	69P	74	85	95	95	101	100	104	103	95	97	114	237	189	159	195	92
24	94	108	81	137	112	141	120	58P	82	82	96	92	100	99	95	97	100	93	129	72	192	265	9980b	9980b
25	129	183	234	124	134	129	87	57P	97	93	98	100	100	103	101	100	99	93	92	9980b	9980b	9980b	9980b	9980b
26	179	121	185	108	146	100	115	77P	79	76	81	77	90	89	98	92	90	93	87	85	161	300	9980b	9980b
27	267	241	228	125	226	181	101	196P	164	93	93	103	100	100	104	99	97	97	77	127	217	306	320	309
28	315	247	242	249	241	138	233	184P	90	90	96	103	104	99	99	99	67	67	128	262	256	287	320	9980b
29	294	269	272	298	277	316	225	202P	84	95	98	97	101	105	102	105	102	87	61	210	129	93	131	109
30	143	99	88	98	191	294	212	142P	93	98	101	103	98	100	100	103	100	86	67	78	68	195	143	9980b
31	99	64	60	58	56	92	123	89P	83	88	93	97	99	95	98	93	92	86	75					

Monthly Ave: 172

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

Wind Speed (PA16)

Station/Facility: PA16
Parameter: WS (MPH) Wind Speed
Month/Year: Mar 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	4.3	5.5	4.4	4.1	4.7	6.4	5.5	4.6P	8.0	10.6	8.8	10.5	8.1	9.9	14.3	15.0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4.1	15.0
02	5.2	3.4	4.3	5.0	8.2	10.1	7.2	4.2P	7.0	6.8	10.9	13.6	11.0	11.5	10.1	12.4	9.0	8.2	5.1	4.4	4.0	9980b	9980b	9980b	3.4	13.6
03	5.5	4.4	5.5	5.7	2.8	4.5	4.7	2.8P	4.9	6.7	7.5	9.7	12.8	14.8	14.0	14.2	11.2	6.7	3.4	2.7	3.7	4.6	2.8	9980b	2.7	14.8
04	4.0	3.9	2.9	3.6	3.7	3.8	2.6	2.5P	2.3	1.8	4.3	8.3P	9.0	10.4	9.3	5.9	7.3	3.8	5.1	2.7	2.4	1.9	2.7	9980b	1.8	10.4
05	4.7	1.7	2.9	2.3	2.5	5.0	4.1	3.1P	1.9	2.1	3.8	6.7	9.3	10.3	8.6	5.5	4.6	3.4	2.1	1.5	3.0	2.7P	2.2	3.7	1.5	10.3
06	4.3	3.7	3.9	3.6	3.4	3.6	5.3	5.1P	4.5	6.3	4.4	5.6	7.5	5.4	3.1	4.3	3.2	3.0	2.9	1.8	1.8	2.7	4.3	9980b	1.8	7.5
07	2.7	3.7	4.0	2.2	2.2	4.3	2.7	2.2P	1.8	1.5	1.8	2.7	4.0	4.7	5.6	3.9	2.9	5.2	4.3	5.1	5.3	9980b	9980b	9980b	1.5	5.6
08	3.7	4.9	4.4	3.3	2.7	3.0	2.7	2.2P	3.6	2.9	3.7	2.9	3.4	3.4	3.5	3.6	3.4	4.4	3.1	9980b	9980b	9980b	9980b	9980b	2.2	4.9
09	3.6	3.2	4.7	3.5	2.4	4.9	4.6	3.3P	4.9	4.2	4.9	3.6	5.1	3.4	4.2	4.1	4.0	2.8	3.8	3.6	3.3	4.2	1.4	9980b	1.4	5.1
10	2.5	2.5	3.3	3.6	4.5	4.2	4.3	3.5P	1.0	1.7	3.2	3.8	2.4	4.4	3.0	3.7	3.2	3.3	2.3	2.7	2.6	2.6	3.6	9980b	1.0	4.5
11	4.6	3.0	5.0	4.7	3.7	5.3	5.6	3.7P	2.1	4.5	5.1	5.3	5.2	4.8	4.7	1.7	1.6	1.3	2.2	1.5	3.0	2.5	2.0	9980b	1.3	5.6
12	4.1	4.2	3.0	3.8	4.2	5.0	5.4	4.0P	0.9	0.9	4.6	6.0	3.6	2.6	1.6	3.0	3.3	3.5	4.0	4.9	3.3	9980b	9980b	9980b	0.9	6.0
13	2.0	4.0	2.3	2.7	3.2	1.7	0.7	2.5P	2.5	6.8P	8.3	9.0	6.3	5.6	6.9	5.3	4.8	4.5	5.3	5.8	4.8	9980b	9980b	9980b	0.7	9.0
14	4.0	4.0	3.0	2.5	4.6	4.9	4.2	2.4P	4.4	7.6	8.2	9.5	9.2	6.7	7.4	7.3	6.5	4.1	2.3	3.4	2.9	5.0	4.3	9980b	2.3	9.5
15	5.0	6.1	5.0	2.1	4.2	5.2	5.4	4.2P	2.1	3.8	6.6	7.4	7.6	7.2	6.5	6.5	6.0	5.5	3.8	5.0	3.3	5.7	9980b	9980b	2.1	7.6
16	0.8	1.6	2.1	2.0	1.5	3.6	3.1	0.7P	1.5	1.7	3.6	1.8	1.9	1.7	2.0	2.8	2.7	1.2	1.1P	2.8	3.8	9980b	9980b	9980b	0.7	3.8
17	2.6	2.9	3.3	4.4	4.0	4.3	3.8	4.0P	3.0	2.2	2.0	3.8	4.8	3.1	2.6	4.6	1.5	3.0	4.0	4.9	5.2	5.7	9980b	9980b	1.5	5.7
18	5.5	4.4	4.8	6.1	6.2	6.4	6.3	4.5P	3.6	5.0	4.7	9978p	9978p	9979d	4.4P	2.4	2.1	2.4	1.8	3.3	3.0	3.1	4.2	9980b	1.8	6.4
19	2.3	2.4	2.8	2.7	2.5	3.7	4.6	2.5P	2.8	4.5	5.6	5.0	2.7	3.0	3.4	1.0	1.6	3.3	2.7	2.1	3.2	4.5	5.2	6.0	1.0	6.0
20	6.4	3.6	4.6	4.8	6.2	6.2	5.1	3.4P	1.7	4.5	6.0	8.9	10.4	6.0	4.9	2.3	2.9	2.6	3.0	2.0	3.2	3.1	3.3	3.6	1.7	10.4
21	3.8	3.5	3.6	2.3	3.7	3.1	3.1	2.0P	2.3	8.1	9.3	8.5	10.5	9.4	8.2	7.5	6.6	4.7	3.1	2.0	3.2	2.8	2.3	3.0	2.0	10.5
22	2.5	3.3	4.0	4.8	5.8	4.6	4.4	4.1P	4.6	8.1	8.8	10.0	8.7	7.4	6.1	5.4	5.7	5.6	5.2	3.5	3.6	3.0	2.7	4.4	2.5	10.0
23	3.7	4.4	3.8	4.5	3.8	4.8	3.4	2.9P	4.6	6.2	7.7	9.1	11.3	9.5	8.0	7.3	7.1	6.3	3.0	2.4	3.1	4.7	5.7	4.1	2.4	11.3
24	4.8	3.4	5.1	4.8	4.2	4.4	5.0	4.5P	4.9	6.9	8.2	8.0	9.2	9.7	7.5	7.9	4.9	4.2	2.8	3.0	3.3	4.5	9980b	9980b	2.8	9.7
25	4.0	5.2	6.1	6.2	5.0	4.9	4.5	3.5P	5.2	7.1	7.3	7.6	9.6	9.3	10.5	7.3	7.4	6.3	4.6	9980b	9980b	9980b	9980b	9980b	3.5	10.5
26	3.6	4.9	4.9	5.2	5.7	4.9	6.3	4.4P	4.6	5.0	5.3	5.5	5.5	6.0	8.6	7.3	6.1	5.2	4.4	4.0	3.9	4.7	9980b	9980b	3.6	8.6
27	3.8	3.5	3.1	2.9	4.5	4.4	4.6	2.1P	2.6	4.6	7.8	10.4	10.8	8.3	9.1	7.9	6.8	5.3	3.0	2.5	3.3	4.0	4.4	3.8	2.1	10.8
28	4.6	4.6	2.3	2.5	2.5	3.1	3.4	2.1P	5.3	6.4	8.1	11.0	11.9	12.4	12.5	10.5	6.7	5.0	3.4	3.9	2.7	3.3	4.5	9980b	2.1	12.5
29	3.9	3.4	3.0	4.1	3.7	3.8	3.9	1.9P	4.0	6.3	7.9	7.4	9.2	12.2	11.1	10.2	9.1	4.7	5.4	4.0	5.6	4.4	4.3	3.9	1.9	12.2
30	4.1	4.0	3.7	3.3	4.2	4.5	4.2	3.1P	6.9	7.7	11.1	13.5	11.8	13.8	13.3	12.3	11.1	6.6	6.7	4.5	5.7	9980b	9980b	9980b	3.1	13.8
31	4.0	4.4	4.9	3.8	5.0	4.7	3.5	3.9P	5.8	5.9	7.8	8.1	10.5	10.5	9.2	8.3	6.5	6.1	4.7						3.5	10.5

	Monthly:	4.9	0.7	15.0
		Ave	Min	Max

Flags:
b = Bad Condition - Invalid Hour (9980)
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: Mar 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	0	0	0	0	0	0P	0	9995c	1C	0	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	-1	1
02	0	0	0	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	0C	9995c	9995c	0	0	0	0	-1	0	-1	9980b	-1	1
03	-1	-1	-1	-1	-1	-1	0	-1P	-1	9995c	2C	9995c	1C	0	0	0	0	0	0	0	0	0	0	-1	-1	2
04	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	9995c	9979d	6	3	1	0	0	0	0	0	-1	-1	-1	-1	-1	6
05	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	3C	9979d	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	3
06	-1	-1	-1	0	0	0	0	-1P	-1	9995c	1C	0	0	0	0	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	-1	1
07	-1	-1	-1	0	-1	-1	-1	-1P	-1	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	-1	0
08	-1	-1	0	-1	-1	-1	-1	-1P	-1	9995c	7C	1	0	0	0	0	0	0	-1	9980b	9980b	9980b	9980b	9980b	-1	7
09	-1	-1	-1	-1	-1	-1	0	-1P	-1	9995c	1C	0	0	0	0	0	0	0	-1	-1	0	-1	-1	9980b	-1	1
10	-1	-1	-1	-1	-1	-1	-1	0P	-1	9995c	5C	9995c	1C	0	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	-1	5
11	-1	-1	-1	-1	-1	0	-1	-1P	-1	9995c	1C	1	0	0	0	0	0	1	1	0	0	0	9980b	9980b	-1	1
12	0	0	0	0	4	9	6	4P	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	9
13	0	0	0	0	0	0	0	0P	0	9995c	6C	4	4	9980b	9980b	9980b	9980b	0	9980b	9980b	9980b	9980b	9980b	9980b	0	6
14	20	175	144	140	438	394	334	261P	118	9995c	2C	1	0	5	7	1	0	0	9980b	9980b	9980b	9980b	9980b	9980b	0	438
15	4	1	0	2	37	59	45	31P	119	9995c	113C	85	77	79	55	39	36	29	17	14	13	12	11	9	0	119
16	6	4	5	7	8	8	7	8P	9	9995c	7C	9	13	11	8	3	2	1	1	0	0	0	0	0	0	13
17	0	0	0	0	0	0	0	0P	0	9995c	1C	9995c	2C	1	0	0	0	0	0	0	0	0	0	9980b	0	2
18	254	175	138	166	83	95	64	50P	99	9995c	5C	2	1	1	0	0P	0	0P	0	0	0	0	0	0	0	254
19	0	-1	0	-1	-1	0	-1	0P	0	9995c	4C	1	0	0	0	0	0	0	0	0	-1	-1	-1	0	-1	4
20	-1	-1	-1	0	0	0	-1	-1P	-1	9995c	1C	0	0	1	1	0	0	1	0	0	0	0	0	0	-1	1
21	0	-1	-1	-1	-1	-1	-1	-1P	0	9995c	1C	0	0	0	0	0	0	0	-1	-1	0	-1	-1	-1	-1	1
22	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	0	0	0	0	0	-1	0	0	0	-1	-1	-1	1
23	-1	-1	0	0	-1	-1	-1	0P	0	9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	1
24	0	0	0	0	-1	-1	-1	-1P	0	9995c	1C	9995c	0C	0	0	0	0	0	0	0	0	0	0	0	-1	1
25	0	-1	-1	-1	-1	-1	-1	-1P	0	9995c	1C	1	0	0	0	0	0	0	0	0	0	0	0	-1	-1	1
26	0	-1	-1	-1	-1	-1	0	0P	-1	9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	1
27	0	0	0	0	0	0	0	0P	0	9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	9980b	0	1
28	0	0	0	0	0	0	0	0P	0	9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0P	0	9995c	2C	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0P	0	9995c	1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0P	0	9995c	1C	9995c	0C	0	0	0	0	0	0	0	0	0	0	0	0	1

Monthly:	-1	7	438
	Min	Ave	Max

Flags:
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

Monthly Matrix PM2.5 (MV17)

Station/Facility: MV17
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: Mar 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	9	10	9	10	11	13	17	13	11	10	11	11	10	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9	17
02	12	11	7	7	9	10	12	10	8	7	9	9	5	6	7	6	8	8	9	9	6	8	9	9980b	5	12
03	5	5	6	7	6	9	9	6	10	10	9	12	12	12	11	10	10	9	9	10	9	6	6	4	4	12
04	3	6	6	4	6	6	7	5	5	6	4	6	7	6	8	7	8	10	10	9	5	3	4	8	3	10
05	9	7	6	6	9	10	7	9	10	6	9979d	9979d	2	2	2	4	6	6	9	8	6	7	4	3	2	10
06	3	5	4	4	7	6	4	3	2	6	11	10	9	7	5	6	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2	11
07	9	6	3	4	6	3	2	3	3	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2	9
08	5	4	3	6	5	2	3	4	5	4	4	4	2	3	6	6	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2	6
09	5	5	3	2	4	6	5	5	7	7	5	5	6	6	5	6	5	3	5	5	5	6	4	9980b	2	7
10	5	4	3	3	6	5	5	7	6	6	7	7	8	6	5	6	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	3	8
11	8	13	10	7	8	7	10	11	11	11	7	6	5	7	10	6	6	13	13	9	7	7	9980b	9980b	5	13
12	11	13	11	11	13	23	20	13	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	11	23
13	10	8	9	7	4	6	6	7	10	7	4	5	9	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	4	10
14	9	8	18	16	20	38	39	37	21	11	11	10	8	7	7	8	7	6	9980b	9980b	9980b	9980b	9980b	9980b	6	39
15	11	9	6	6	7	22	27	20	11	60	121	47	38	38	42	35	34	40	32	24	26	23	28	28	6	121
16	21	25	17	24	24	24	27	28	24	24	26	21	26	25	28	20	16	17	13	17	11	13	20	19	11	28
17	14	18	18	19	15	20	16	15	13	13	11	11	12	12	10	8	7	7	10	12	12	10	9	9980b	7	20
18	9	176	104	89	110	54	47	28	29	53	14	10	6	8	8	0P	6	6	6	6	3	3	3	5	0	176
19	6	6	4	5	6	7	7	6	6	6	6	4	6	9	8	7	6	7	8	7	10	10	9	8	4	10
20	10	10	10	10	7	9	10	9	9	9	7	9	10	6	8	12	10	7	10	12	10	8	6	4	4	12
21	6	7	5	4	4	5	6	7	7	5	5	4	7	10	10	10	10	8	7	9	9	8	7	6	4	10
22	6	6	6	6	8	8	6	6	8	7	7	9	7	9	12	11	10	11	10	9	7	5	4	5	4	12
23	5	5	6	5	7	7	6	6	7	9	11	8	7	10	8	6	5	4	5	6	6	5	5	9	4	11
24	8	5	6	6	6	7	8	9	6	4	9	10	10	10	9	10	11	12	12	10	8	8	10	7	4	12
25	7	8	5	3	6	8	8	6	6	7	6	7	8	6	4	5	6	6	7	9	8	7	5	5	3	9
26	6	8	6	6	3	2	5	4	5	6	7	11	11	10	11	12	11	6	5	6	8	7	6	9	2	12
27	7	3	4	7	5	5	9	7	4	4	6	8	9	7	10	10	10	11	10	10	7	6	7	9980b	3	11
28	5	4	6	5	5	7	6	6	7	6	8	8	9	10	10	10	8	10	10	8	8	6	7	6	4	10
29	5	8	8	7	6	5	6	6	5	6	7	7	10	11	8	8	8	7	7	6	7	9	7	4	4	11
30	4	4	4	5	6	4	5	7	5	2	6	9	6	8	10	11	10	8	8	8	7	5	6	7	2	11
31	7	5	5	5	6	7	6	5	8	7	7	7	7	7	8	9	8	6	6	7	8	9	12	10	5	12

						Monthly:	10	0	176
							Ave	Min	Max

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

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 01 Apr 2009 07:58

Wind Direction (MV17)

Station/Facility: MV17
Parameter: WD (DEG) Wind Direction
Month/Year: Mar 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	257	260	268	273	263	230	153	213P	265	182	128	68	69	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
02	152	150	276	268	270	255	275	273P	240	182	239	191	242	95	110	74	81	76	162	286	233	294	288	9980b
03	236	298	274	228	269	276	267	275P	271	146	102	73	94	82	75	67	68	58	198	281	260	265	219	246
04	262	246	262	272	272	273	218	244P	280	280	253	223	167	144	188	206	275	274	272	267	274	227	264	263
05	286	251	291	275	242	261	281	278P	280	279	278	245	260	237	255	273	180	256	293	280	208	273	255	268
06	256	272	275	270	263	267	272	270P	275	234	182	87	89	124	214	154	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
07	269	284	282	282	276	262	265	271P	272	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
08	159	227	136	137	219	272	149	105P	168	87	148	147	75	70	78	92	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
09	246	268	270	270	255	167	199	200P	221	208	190	182	198	224	196	153	177	230	198	191	228	221	243	9980b
10	289	225	241	264	247	133	94	103P	229	125	100	67	75	95	149	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
11	253	275	247	246	257	264	251	253P	263	188	110	86	79	105	73	76	81	70	129	236	281	251	9980b	9980b
12	247	272	261	247	241	264	254	229P	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
13	255	266	246	253	190	175	235	236P	213	96	89	80	66	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
14	253	240	253	253	263	250	244	227P	134	211	206	204	209	197	196	196	195	194	9980b	9980b	9980b	9980b	9980b	9980b
15	219	198	199	236	255	246	242	238P	199	186	147	152	119	142	145	83	73	78	164	244	247	244	246	249
16	251	263	286	267	246	253	271	263P	264	205	181	146	55	73	117	109	146	97	135	242	249	253	263	257
17	237	243	243	244	247	248	241	239P	189	169	88	87	79	84	74	90	192	265	274	266	264	248	255	9980b
18	239	227	220	239	253	256	254	252P	164	154	92	89	77	108	77	9978P	9979d	67P	69	79	82	75	112	126
19	299	301	268	269	273	267	269	266P	273	260	275	269	240	258	240	223	268	283	256	264	257	248	258	247
20	257	259	252	261	258	252	257	258P	152	122	113	117	130	85	72	62	64	61	195	238	266	267	279	247
21	281	280	284	282	260	215	282	281P	200	205	96	83	78	77	82	82	81	76	61	202	141	184	139	255
22	286	281	265	271	271	279	279	267P	243	280	193	119	78	73	72	74	69	76	73	83	82	100	139	147
23	198	243	65	123	220	279	284	282P	165	80	119	83	83	80	76	64	104	195	222	185	189	243	266	221
24	145	92	87	292	224	176	258	219P	93	91	131	84	85	79	79	78	67	65	211	259	213	196	219	276
25	127	143	265	273	267	266	256	255P	222	138	73	72	81	77	69	74	72	63	110	82	97	90	78	86
26	113	116	77	94	85	94	98	105P	109	98	78	80	75	75	79	76	76	205	240	159	181	233	275	243
27	104	83	73	70	169	265	264	263P	259	278	116	171	72	74	66	73	70	76	114	275	298	256	263	9980b
28	279	278	273	275	249	282	274	264P	243	151	67	68	67	67	65	70	62	76	109	306	289	275	266	253
29	272	253	266	274	244	271	269	259P	199	209	138	66	70	63	65	71	64	158	241	224	269	255	257	273
30	282	271	226	280	239	249	260	271P	193	72	61	77	76	72	65	66	64	73	130	252	261	260	263	267
31	248	277	279	283	292	288	272	272P	261	213	97	175	91	84	83	79	134	109	80	77	80	72	89	91

Monthly Ave: 191

Flags:
  b = Bad Condition - Invalid Hour (9980)
  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: Mar 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	2.9	2.7	3.4	2.6	2.1	1.8	2.6	2.7P	2.8	3.7	5.0	6.9	6.6	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.8	6.9
02	2.7	3.5	3.4	3.9	3.4	2.2	2.6	2.4P	2.4	4.5	3.7	3.5	4.0	3.6	4.5	5.3	5.7	2.9	2.3	2.4	2.4	2.1	2.1	9980b	2.1	5.7
03	2.8	2.0	2.1	2.4	2.4	3.2	2.5	3.3P	3.1	4.3	4.6	4.1	5.2	5.3	5.9	5.7	4.4	3.3	1.8	1.8	1.7	1.9	3.4	4.2	1.7	5.9
04	2.7	2.7	3.5	2.9	3.1	2.7	3.1	3.3P	3.0	2.7	3.4	2.6	3.0	3.9	3.7	3.3	2.4	2.2	1.5	2.2	2.5	2.9	3.3	3.8	1.5	3.9
05	2.7	2.8	3.1	3.3	3.3	4.2	2.7	2.7P	3.3	3.4	3.2	2.6	2.3	3.1	2.5	2.8	2.5	1.8	2.0	3.0	2.4	4.3	3.1	3.4	1.8	4.3
06	2.8	3.7	2.9	3.7	2.9	4.0	3.7	3.8P	2.3	2.5	2.9	3.4	3.1	2.5	2.8	1.8	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.8	4.0
07	2.6	2.7	2.6	2.5	2.4	2.7	2.4	2.6P	2.7	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.4	2.7
08	1.9	2.1	3.2	3.1	1.3	3.0	1.8	1.9P	1.5	3.0	1.7	2.1	3.7	3.4	4.0	5.5	3.8	3.7	2.3	2.1	2.7	2.7	2.3	9980b	1.3	5.5
09	2.6	3.5	2.3	2.6	3.1	1.8	2.5	2.6P	3.3	3.3	3.3	4.4	5.1	4.0	4.4	3.1	3.8	3.7	2.3	2.1	2.7	2.7	2.3	9980b	1.8	5.1
10	1.8	1.5	1.7	2.1	1.5	3.8	3.4	3.6P	3.0	3.6	3.6	4.6	4.3	4.9	4.7	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.5	4.9
11	1.0	2.0	2.4	3.3	3.1	3.5	3.4	3.3P	2.6	3.3	4.1	4.0	5.0	6.0	4.7	4.7	3.5	3.0	2.1	1.2	1.0	1.8	9980b	9980b	1.0	6.0
12	1.1	2.1	2.8	2.4	2.9	2.3	3.3	2.9P	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.1	3.3
13	2.7	1.9	1.9	1.7	0.7	0.8	1.2	2.0P	2.1	2.5	3.6	4.1	3.7	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0.7	4.1
14	3.7	4.5	4.6	5.5	4.2	4.0	4.5	3.8P	2.9	8.2	9.8	11.2	10.4	11.3	10.2	11.4	8.1	7.0	9980b	9980b	9980b	9980b	9980b	9980b	2.9	11.4
15	4.6	5.5	6.3	4.4	5.2	5.5	5.5	5.3P	4.9	6.0	7.8	6.5	6.0	4.8	4.1	3.8	2.6	1.9	1.5	2.6	2.5	3.0	3.6	3.2	1.5	7.8
16	2.6	2.1	1.7	1.9	2.7	3.1	1.7	2.1P	1.5	2.0	2.1	2.1	2.8	2.0	2.4	1.9	1.2	1.9	0.8	1.1	2.3	1.5	1.3	1.7	0.8	3.1
17	1.7	2.2	2.8	2.6	3.0	2.7	2.5	2.3P	1.7	1.3	2.3	1.9	2.6	2.7	3.1	2.9	1.9	2.5	3.0	2.9	3.9	3.3	3.4	9980b	1.3	3.9
18	4.5	4.1	3.6	3.7	5.5	5.7	4.7	3.2P	2.8	3.2	4.4	5.6	5.1	4.3	3.6	9978p	9979d	3.3P	3.6	3.3	4.2	3.1	1.6	1.1	1.1	5.7
19	1.4	1.3	1.8	2.1	2.5	2.5	2.0	2.3P	2.5	1.8	4.1	2.9	4.4	2.9	1.7	2.3	2.0	2.3	2.8	3.0	2.9	4.0	4.4	2.6	1.3	4.4
20	3.6	4.7	4.5	5.2	5.2	5.2	4.7	4.3P	3.9	4.7	4.9	4.5	4.2	4.2	4.4	4.3	3.7	2.8	1.9	2.1	3.5	2.7	2.9	3.2	1.9	5.2
21	2.4	2.7	2.5	2.1	1.9	2.2	2.1	2.2P	2.5	2.1	4.5	5.8	5.2	5.2	5.4	5.4	4.4	2.8	2.3	1.9	1.8	2.1	0.9	1.1	0.9	5.8
22	1.5	2.0	2.1	2.5	2.6	2.3	2.9	3.1P	2.0	2.9	2.4	2.6	4.6	6.1	4.7	4.9	4.6	3.6	3.0	3.2	2.4	1.9	2.3	3.3	1.5	6.1
23	2.1	1.7	1.9	2.4	2.7	1.6	2.1	1.9P	2.4	2.7	3.5	6.4	6.3	6.7	5.8	4.7	3.3	1.9	2.3	2.3	3.0	2.5	3.4	1.8	1.6	6.7
24	3.3	4.1	3.1	0.9	1.2	0.8	1.0	1.5P	3.6	3.7	3.3	5.3	5.9	6.2	5.5	5.7	4.6	3.1	1.7	1.4	1.9	2.0	1.7	1.3	0.8	6.2
25	1.9	3.0	3.7	4.2	3.5	3.1	4.3	3.7P	2.0	2.6	3.5	3.2	4.2	4.9	4.1	4.2	3.8	4.0	3.3	3.7	3.5	3.7	2.4	2.2	1.9	4.9
26	1.9	2.2	3.8	3.2	3.0	2.6	4.0	3.4P	2.7	3.9	5.4	5.4	5.9	6.5	6.9	6.6	4.0	3.1	2.7	2.2	2.2	1.9	1.8	1.7	1.7	6.9
27	1.6	2.4	2.7	2.8	2.8	2.3	2.0	2.9P	3.0	3.5	4.3	3.7	5.3	4.8	4.3	4.3	5.1	3.5	2.4	2.0	1.8	2.0	3.4	9980b	1.6	5.3
28	3.3	3.5	2.8	2.6	1.8	1.8	1.8	1.8P	2.9	4.2	4.5	4.9	5.5	6.1	6.0	5.4	4.8	4.6	2.8	1.8	1.8	2.0	2.4	1.9	1.8	6.1
29	3.1	3.0	3.1	3.0	2.2	2.3	1.9	2.0P	2.9	1.8	3.5	5.0	5.2	6.2	5.5	4.7	4.5	2.5	1.4	2.6	2.3	2.5	1.8	3.0	1.4	6.2
30	3.4	2.6	1.9	2.0	2.2	1.9	1.9	2.2P	3.1	4.4	6.2	4.9	5.5	5.4	5.9	6.0	5.4	3.8	2.9	2.1	3.0	4.1	3.1	4.1	1.9	6.2
31	3.5	3.0	2.0	1.6	1.9	2.5	3.1	3.4P	3.8	2.7	2.9	3.5	5.5	6.6	6.9	4.1	2.4	4.0	3.5	3.9	3.3	3.9	2.6	4.4	1.6	6.9

																						Monthly:		3.3	0.7	11.4
																								Ave	Min	Max

Flags:
b = Bad Condition - Invalid Hour (9980)
d = Off-Line Part of Hour - Invalid Hour (9979)
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: Mar 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	3	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	9995c	9995c	3	2	2	2	9980b	9980b	2	3
02	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9980b	2	2
03	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
04	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
05	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
06	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9980b	2	2
07	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9980b	2	2
08	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9980b	2	2
09	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9980b	2	2
10	2	2	2	2	2	2	2	2	9995c	2C	9995c	2	2	2	2	2	2	2	2	2	2	2	2	9980b	2	3
11	2	3	2	2	2	2	2	2	9995c	2	2	3	2	2	2	2	2	2	2	2	2	2	2	9980b	2	3
12	2	3	2	2	2	2	2	2	9995c	8	5	3	3	3	2	2	2	2	2	2	2	2	2	9980b	2	8
13	2	2	2	2	2	2	2	2	9995c	3	3	3	3	3	2	2	2	2	2	2	2	2	2	9980b	2	3
14	2	2	2	2	2	2	2	2	9995c	3	2	2	2	2	2	2	2	2	2	2	2	2	2	9980b	2	3
15	2	3	2	2	2	3	3	3	9995c	2	2	2	2	3	2	3	2	2	2	2	3	3	3	9980b	2	3
16	2	2	2	2	2	2	3	3	9995c	6	10	8	5	4	3	3	2	2	2	2	2	2	2	2	2	10
17	2	2	2	2	2	2	2	2	9995c	2C	9995c	2P	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	2	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	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	9995c	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	9995c	2C	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	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	2	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	2	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	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Monthly:	2	2	10
	Ave	Min	Max

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

Wind Direction (PE10)

Station/Facility: PE10
Parameter: WD (DEG) Wind Direction
Month/Year: Mar 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	13	12	17	15	5	3	339	322	345	32	37	42	62	55	27	20	28	18	14	35	30	24	9980b	9980b
02	14	352	335	316	324	328	331	325	357	40	32	48	29	42	42	63	27	357	1	45	34	27	21	9980b
03	343	347	354	10	342	324	329	319	320	338	25	21	35	50	47	25	41	11	15	336	331	344	334	329
04	319	348	326	317	347	11	349	332	327	333	12	42	44	44	31	32	42	34	46	69	358	308	11	308
05	332	324	321	307	303	313	329	327	331	322	328	332	351	37	56	58	52	29	19	350	341	320	311	316
06	318	317	313	324	314	309	316	318	313	321	327	318	332	20	89	54	74	58	37	26	83	106	102	9980b
07	70	85	79	336	347	321	303	285	284	42	97	115	113	108	111	118	108	111	117	95	79	109	114	9980b
08	123	117	142	133	122	134	114	122	107	83	88	96	87	82	97	97	69	89	102	97	136	120	105	9980b
09	122	117	115	121	126	136	133	154	157	171	153	180	166	169	155	175	205	155	133	158	151	79	126	9980b
10	327	306	292	309	319	359	20	29	29	36	36	36	33	14	13	12	9	359	355	334	339	326	330	9980b
11	328	323	329	328	331	319	322	321	328	333	348	14	8	18	8	2	353	341	333	329	328	323	314	9980b
12	322	330	322	320	334	334	325	325	329	321	342	349	359	355	336	339	336	329	324	331	335	325	315	9980b
13	314	316	312	311	316	311	309	305	306	331	10	56	80	117	123	135	130	127	252	238	218	215	215	9980b
14	214	212	215	213	207	212	223	214	203	198	194	191	192	187	165	188	194	204	210	212	219	214	225	9980b
15	259	216	183	203	207	202	215	197	180	191	182	177	177	180	187	178	188	193	216	306	290	320	167	9980b
16	195	280	258	278	305	318	306	302	301	318	328	74	102	25	332	356	342	8	320	94	77	180	37	346
17	306	295	285	288	352	102	154	267	97	23	354	2P	4	83	113	92	108	338	334	340	328	292	300	276
18	138	152	291	294	254	301	281	130	110	118	125	112	131	107	79	81	48	50	55	79	77	73	68	9
19	4	359	339	348	330	341	336	335	356	342	335	310	321	334	339	336	322	316	320	312	319	309	319	310
20	325	303	293	291	303	292	303	304	330	337	342	344	358	25	42	30	21	28	39	27	7	355	29	31
21	12	352	316	333	342	352	353	351	38	58	74	81	86	86	91	88	74	88	88	81	73	77	80	71
22	28	301	278	294	315	331	326	338	339	75	81	64	75	75	84	73	75	64	62	72	76	85	92	92
23	66	82	75	94	77	59	52	63	74	82	76	82	84	77	68	78	68	29	4	32	77	82	92	97
24	82	92	84	88	84	83	50	73	75	94	80	88	89	84	79	75	80	62	50	47	53	53	33	46
25	21	312	321	335	321	319	320	316	318	339	41	58	67	85	78	70	81	50	42	65	87	93	87	97
26	94	95	96	76	91	74	81	79	97	84	88	94	90	84	69	80	82	80	84	85	66	66	60	44
27	51	49	47	37	36	327	344	320	330	331	45	52	53	68	66	69	70	57	38	22	34	40	20	22
28	353	348	349	320	333	337	18	42	55	45	39	44	39	35	34	29	17	37	34	19	14	7	4	326
29	330	345	1	349	346	345	330	16	61	45	45	54	49	53	45	37	21	15	1	1	347	344	329	330
30	323	337	4	351	353	5	7	345	16	66	63	58	60	44	37	46	45	41	28	352	355	20	359	354
31	317	331	340	324	338	317	311	9	77	80	87	90	91	91	72	62	81	78	87	90	90	93	90	87

Monthly Ave: 173

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

Report Template Nr 12, Wind Direction Matrix, Version 3.0
Report Printed: 01 Apr 2009 08:02

Wind Speed (PE10)

Station/Facility: PE10
Parameter: WS (MPH) Wind Speed
Month/Year: Mar 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	6.7	5.7	6.5	6.9	5.5	6.8	6.2	6.9	5.7	6.8	8.0	8.4	6.5	7.3	6.2	4.4	5.5	5.1	5.8	5.6	5.1	4.6	9980b	9980b	4.4	8.4
02	5.3	4.1	5.0	6.6	5.6	5.5	5.0	5.8	5.9	6.7	4.9	4.7	5.6	6.5	5.8	6.1	5.0	4.8	3.4	4.0	3.0	3.9	3.0	9980b	3.0	6.7
03	2.5	2.2	2.7	3.7	3.1	4.7	4.5	5.9	6.1	5.7	5.2	6.5	6.6	7.6	7.0	5.7	5.0	4.2	2.0	3.4	3.9	2.2	2.4	3.1	2.0	7.6
04	3.6	1.8	3.1	3.5	2.5	2.3	1.4	2.0	2.4	4.3	1.9	4.0	5.2	2.9	2.0	2.1	1.1	1.5	3.2	2.4	1.9	1.0	1.0	0.8	0.8	5.2
05	2.2	1.7	3.1	4.9	4.2	2.9	2.1	3.6	3.2	4.8	4.6	5.3	4.5	5.4	4.9	4.7	3.2	2.0	1.9	1.8	2.8	3.1	3.2	4.6	1.7	5.4
06	4.6	4.3	4.6	2.6	2.0	1.4	1.3	1.1	3.0	5.3	5.8	5.6	4.5	2.9	3.7	2.9	3.5	2.0	1.6	2.1	2.8	3.6	1.8	9980b	1.1	5.8
07	1.0	2.9	2.1	3.3	4.5	1.9	0.4	0.4	1.2	0.8	2.5	3.7	3.8	5.7	4.5	3.3	2.2	4.1	1.6	2.3	1.3	2.6	3.4	9980b	0.4	5.7
08	2.8	4.1	2.5	2.3	1.6	2.4	1.8	2.3	1.4	0.9	1.7	1.2	3.8	0.7	1.9	2.2	1.5	1.6	2.6	1.3	1.3	2.0	2.1	9980b	0.5	4.1
09	1.2	0.6	1.1	1.7	2.3	0.7	0.7	0.4	0.3	0.3	0.8	0.5	0.3	0.5	2.2	1.5	0.3	1.0	1.4	0.8	0.5	0.8	0.6	9980b	0.3	2.3
10	1.3	2.1	2.9	2.3	2.4	3.5	4.1	5.5	6.7	6.3	5.4	6.0	5.4	4.4	5.5	5.3	5.2	4.7	4.5	6.4	5.7	6.8	5.9	9980b	1.3	6.8
11	4.7	3.2	1.4	1.6	1.5	2.8	3.6	3.8	6.7	5.9	4.9	4.3	4.7	6.0	5.4	5.4	5.0	5.3	5.4	5.4	6.6	6.3	6.2	9980b	1.4	6.7
12	7.1	6.9	7.1	6.5	6.2	6.8	7.6	7.7	7.5	7.2	6.4	7.2	6.1	5.1	6.3	6.0	6.6	8.1	8.9	5.8	5.8	6.9	6.3	9980b	5.1	8.9
13	3.8	4.0	4.2	2.6	3.9	4.3	4.1	2.4	0.9	1.1	0.7	0.6	0.4	0.5	1.5	1.3	0.8	0.6	0.3	0.3	0.3	0.3	0.4	9980b	0.3	4.3
14	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	1.0	1.8	1.9	2.8	2.3	2.5	2.7	1.8	1.5	0.6	0.3	0.3	0.3	0.3	0.3	9980b	0.3	2.8
15	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.3	1.2	1.4	1.7	2.0	2.0	1.4	2.0	1.0	0.4	0.3	0.5	0.3	0.3	0.3	9980b	0.3	2.0
16	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.4	1.2	3.1	2.1	0.4	0.5	0.8	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.1
17	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.2	0.8P	1.6	1.2	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.6
18	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.1	2.1	2.7	1.2	2.8	2.1	2.1	2.8	2.3	2.1	1.1	0.6	0.4	0.4	0.4	0.3	2.8
19	0.3	0.4	1.0	1.6	1.6	0.4	0.3	0.4	0.7	0.6	0.6	0.3	0.6	1.8	0.9	2.3	4.6	3.7	3.7	3.4	2.8	1.8	0.3	0.3	0.3	4.6
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.6	0.3	0.3	0.3	0.3	0.5	1.8	1.7	1.0	0.3	0.3	0.3	0.3	0.3	0.3	1.8
21	0.3	1.1	0.4	0.8	0.4	0.5	0.3	0.4	0.5	1.2	2.0	3.6	4.6	3.4	4.5	3.7	3.7	1.8	1.3	0.7	0.8	1.0	0.5	0.4	0.3	4.6
22	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.8	1.2	2.8	4.7	4.2	3.7	4.2	4.0	4.5	5.0	4.6	4.0	1.7	1.6	1.9	2.3	1.6	0.3	5.0
23	0.8	0.9	0.8	1.6	0.9	0.6	0.6	1.7	2.5	2.7	3.8	5.5	5.9	5.4	4.2	3.3	4.5	3.2	1.7	3.1	2.7	2.2	2.8	3.4	0.6	5.9
24	2.9	3.5	3.3	2.3	3.1	3.0	1.8	1.4	1.9	0.7	2.3	4.9	5.4	5.7	5.4	5.2	4.7	3.9	2.9	2.3	2.6	2.8	1.9	2.6	0.7	5.7
25	3.7	2.7	1.4	1.2	1.6	2.4	3.0	3.3	2.6	2.1	3.2	3.9	4.7	4.9	5.0	4.6	4.3	3.2	3.5	3.3	3.2	4.8	3.0	1.4	1.2	5.0
26	3.1	3.0	2.9	2.5	2.9	2.4	3.1	3.1	2.2	2.1	5.3	6.0	6.4	6.6	6.3	5.3	5.0	3.7	2.2	2.2	1.2	2.5	2.1	2.0	1.2	6.6
27	1.8	2.5	3.5	3.7	1.5	1.2	1.0	2.2	1.6	2.1	4.5	5.5	5.0	4.9	4.3	4.9	4.7	4.3	4.2	3.2	2.4	2.2	0.6	1.5	0.6	5.5
28	0.6	1.4	2.4	2.8	4.0	2.1	2.1	2.8	3.5	5.0	5.8	6.3	6.2	5.9	6.9	6.4	7.0	6.2	4.8	3.4	1.9	1.5	0.8	4.1	0.6	7.0
29	3.2	3.8	3.2	3.5	3.2	3.4	2.0	2.1	2.0	3.1	6.0	5.8	6.5	6.3	6.5	6.1	5.5	4.2	3.3	3.6	2.1	3.1	4.7	3.9	2.0	6.5
30	4.2	4.7	2.8	3.8	1.0	1.5	2.0	1.3	2.3	3.8	4.5	5.5	5.5	6.6	5.6	5.8	5.0	4.3	2.8	0.7	0.6	2.1	1.2	2.3	0.6	6.6
31	2.0	2.6	2.1	2.1	1.2	0.9	0.7	1.3	2.6	3.7	3.5	4.6	6.1	6.0	4.6	3.3	3.0	2.3	3.2	3.1	2.6	2.3	2.5	2.3	0.7	6.1

Monthly:	2.8 Ave	0.3 Min	8.9 Max

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