Monthly Matrix PM2.5 (PA16)

Station/Facility: PA16
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: Jan 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	190	5	10	12	6	2	4	7	6	5	7	21	31	0	4	5	3	5	6	5	1	0	0	0	190
02	0	-1	-2	-1	0	1	1	0	0	0	2	3	3	6	3	3	5	10	11	6	4	7	6	9980b	-2	11
03	7	6	7	10	7	4	3	5	5	4	5	6	11	10	20	5	7	18	16	13	35	6	6	5	3	35
04	7	10	5	0	0	7	9	7	10	11	21	12	12	14	17	14	13	13	24	16	14	22	7	5	0	24
05	9	10	10	13	14	12	5	2	4	4	9	20	10	7	6	10	9	4	4	6	20	27	15	11	2	27
06	3	1	5	7	9	10	8	5	8	11	64	39	22	8	9	8	6	6	6	3	1	24	29	8	1	64
07	10	12	10	7	4	3	2	3	3	33	27	31	11	8	5	5	3	3	11	23	25	21	21	6	2	33
08	5	7	8	7	5	3	3	5	8	13	33	22	8	5	4	10	6	2	18	14	17	31	19	15	2	33
09	9	23	4	3	7	6	9	11	17	9	31	16	10	3	1	0	-1	1	2	3	3	4	9	20	-1	31
10	33	37	18	12	9	6	2	0	-1	-2	-3	-1	0	0	0	0	-1	1	1	0	2	1	-1	-2	-3	37
11	-1	-1	0	-1	-2	-1	-1	-1	0	-1	-1	1	3	2	1	5	-1	1	9	12	11	7	19	13	-2	21
12	13	14	18	21	26	26	24	23	27	28	28	16	17	21	12	87	34	21	18	16	18	15	36	53	12	87
13	57	47	46	34	17	22	9	7	6	8	6	4	5	3	-1	-2	1	0	-1	1	1	-1	-2	9980b	-2	57
14	189	1	-2	-2	-1	1	1	0	-2	-1	1	3	2	1	2	3	5	6	4	1	2	4	3	0	-2	189
15	2	4	2	0	1	1	2	1	4	6	3	-2	-3	0	-1	0	2	2	2	4	7	20	23	20	-3	23
16	21	24	39	47	48	33	39	35	61	100	107	120	59	43	42	36	39	33	21	24	21	31	33	35	21	120
17	76	69	68	29	32	28	29	33	34	25	13	44	34	46	40	15	12	34	28	28	14	10	6	4	4	76
18	6	4	5	7	8	9	9	10	10	20	24	21	18	14	14	11	6	6	7	10	18	17	12	12	4	24
19	11	7	6	10	12	10	7	10	10	8	22	30	2	5	6	6	4	3	1	2	4	4	3	7	1	30
20	39	47	35	20	24	22	14	14	23	48	15	16	31	60	26	25	23	22	24	28	24	22	26	43	14	60
21	39	38	35	41	39	35	28	19	16	15	26	24	18	12	11	17	17	24	18	15	19	14	13	14	11	41
22	15	12	10	13	11	9	10	10	11	18	22	13	8	31	20	17	13	10	26	20	10	9	7	6	6	31
23	7	7	3	2	3	4	2	1	2	28	16	30	13	11	8	9	10	11	14	22	52	49	12	13	1	52
24	14	11	6	2	6	7	6	6	6	8	7	31	22	13	8	7	8	6	7	46	5	3	1	3	1	46
25	18	12	8	5	7	6	3	2	6	23	2	46	27	6	6	6	5	5	9	11	16	11	10	8	2	46
26	8	6	6	4	5	10	13	14	12	9	28	10	8	6	5	5	5	6	6	4	6	3	4	7	3	28
27	7	6	5	8	10	13	16	16	35	58	17	2	0	1	-1	-1	3	4	3	2	-1	-1	0	9980b	-1	58
28	2	4	3	4	4	3	2	3	8	13	16	0	2	1	0	3	3	3	2	1	0	1	0	0	0	16
29	2	3	6	42	60	35	45	35	22	26	89	96	14	11	5	3	4	3	0	1	7	13	12	10	0	96
30	10	11	13	12	7	7	8	7	5	4	6	26	10	7	3	-1	0	2	3	0P	10	11	11	18	-1	26
31	12	9	4	3	4	3	2	7	9	10	33	26	19	8	7	6	4	5	4	3	5	9	13	13	2	33

																						Monthly:			13	190
																									-3	Ave	Max
																									Min		

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

P = Power Failure - Valid Hour

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 02 Feb 2009 08:09

Monthly Matrix PM2.5 (MV17)

Station/Facility: MV17
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: Jan 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	17	14	8	4	5	5	7	9	6	5	3	21	202	6	8	9	8	7	5	5	5	6	6	3	202
02	2	5	10	8	6	7	7	5	6	4	4	7	3	3	5	7	9	6	3	5	7	6	4	5	2	10
03	6	4	2	4	5	5	5	6	6	5	8	7	6	7	9	10	12	10	7	6	7	8	9	9	2	12
04	7	8	6	6	8	4	2	3	4	6	8	9	9	10	11	9	8	7	5	5	10	8	3	6	2	11
05	9	7	5	5	7	7	4	3	6	6	5	8	10	7	6	7	5	4	6	9	106	146	54	26	3	146
06	24	12	12	7	4	5	4	3	2	4	6	6	6	7	6	3	6	10	6	5	9	8	6	5	2	24
07	4	7	7	5	4	5	3	3	5	7	7	7	9	5	5	7	4	3	5	6	7	6	4	5	3	9
08	7	6	4	6	7	4	3	3	4	5	4	5	4	2	3	5	7	6	5	5	6	6	5	4	2	7
09	4	3	3	4	5	6	7	6	5	4	6	29	3	5	8	9	7	6	7	9	6	49	311	9980b	3	311
10	103	81	23	9	12	20	14	14	9	6	7	6	4	5	7	8	5	4	5	22	14	11	9	9980b	4	103
11	13	10	7	8	34	13	10	9	10	9	18	27	10	12	13	40	53	142	243	45	25	36	66	49	7	243
12	21	11	13	11	13	14	12	13	14	15	11	9	10	10	8	8	11	14	15	15	19	15	13	13	8	21
13	26	672	255	29	57	65	54	38	24	22	235	30	23	37	76	153	70	31	23	10	9	9	10	11	9	672
14	10	8	8	11	15	27	20	21	11	18	31	53	32	21	28	16	17	13	17	16	22	8	8	19	8	53
15	11	34	37	37	25	14	10	4	24	16	12	11	38	27	18	15	15	19	21	22	23	20	17	22	4	38
16	21	27	54	39	21	15	17	17	19	17	15	14	13	19	18	9	17	20	16	19	24	21	19	19	9	54
17	21	17	16	13	9	5	5	7	7	7	11	11	10	13	15	12	11	14	12	10	10	9	10	12	5	21
18	9	8	10	10	11	10	8	10	13	8	6	10	10	9	9	7	6	9	8	6	10	11	11	10	6	13
19	9	7	6	8	8	6	7	9	10	10	8	10	10	8	10	10	10	9	9	9	7	7	9	20	6	20
20	62	49	56	46	30	21	15	16	17	18	18	19	21	17	17	20	19	19	20	15	19	17	17	9980b	15	62
21	21	13	17	11	10	10	12	11	8	8	12	11	10	11	10	11	11	9	9	12	10	9	10	11	8	21
22	9	9	10	8	10	11	11	7	6	7	5	5	7	7	8	10	11	10	8	7	7	7	7	6	5	11
23	5	6	7	7	8	8	6	8	8	8	9	6	9	10	7	8	7	9	11	10	10	9	8	7	5	11
24	8	8	8	5	6	6	3	4	8	9	6	8	10	8	7	8	9	10	10	9	6	5	6	7	3	10
25	9	10	7	6	6	7	7	6	8	6	5	8	10	10	11	9	9	12	12	13	13	10	7	10	5	13
26	13	11	11	10	6	8	12	11	12	11	7	7	7	6	8	11	12	13	14	44	34	10	17	18	6	44
27	31	54	76	93	79	82	151	211	180	74	10	8	7	5	7	12	12	28	31	20	13	11	10	11	5	211
28	81	31	36	32	62	23	27	19	29	82	158	39	18	20	12	13	10	10	11	10	8	7	8	8	7	158
29	8	5	6	10	10	7	9	13	13	13	11	7	9	8	7	7	7	8	9	8	8	10	12	11	5	13
30	8	7	10	10	9	9	9	9	7	6	7	10	10	8	7	6	6	4	9	11	9	9	8	7	4	11
31	5	7	10	6	6	9	9	8	7	5	6	10	10	7	8	6	6	8	10	9	8	10	11	12	5	12

Monthly:	2 Min	17 Ave	672 Max

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

Monthly Matrix PM2.5 (HL11)

Station/Facility: HL11
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: Jan 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	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d		
02	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d		
03	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d		
04	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d		
05	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d		
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		
07	9979d	9979d	9979d	9979d	9979d	9979d	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		
09	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9980b		
10	9979d	9979d	9979d	9979d	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	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	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9980b	9980b	9980b	9980b	9980b		
13	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	9979d	-13	0P	-15	-15	4	4	9980b	9980b	9980b	9980b	9980b	-15	4
14	5	8	13	0P	15	20	21	15	17	16	23	27	35	33	17	13	18	32	33	35	29	26	33	33	0	35
15	29	28	23	24	23	20	18	20	13	14	0P	14	21	17	17	15	15	19	15	18	22	15	18	19	0	29
16	18	22	10	16	10	11	12	12	10	11	10	8	9	11	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	8	22
17	12	12	12	10	3	0	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	0	12
18	5	6	7	4	4	5	4	2	4	4	5	6	3	5	5	4	6	7	6	3	2	4	3	3	2	7
19	3	2	1	1	3	2	2	3	5	4	4	7	8	6	4	4	5	5	3	3	4	6	6	5	1	8
20	5	4	8	16	15	14	12	11	10	9	0P	10	11	11	16	13	14	14	12	11	13	13	19	19	0	19
21	17	9	9	9	9	7	4	4	6	8	9	7	5	6	7	6	7	7	6	8	7	5	4	2	2	17
22	3	5	4	1	0	1	1	4	5	3	4	3	3	3	5	5	4	3	2	3	4	3	3	5	0	5
23	3	2	5	3	2	3	3	2	2	2	2	4	0P	2	4	6	4	5	7	9	8	6	7	3	0	9
24	5	8	6	4	4	4	4	4	3	3	5	6	6	6	7	4	6	7	5	5	6	3	4	7	3	8
25	5	2	5	5	5	5	120	5	3	3	5	6	7	9	7	6	9	7	6	7	6	7	7	8	2	120
26	8	7	4	4	5	3	0	2	3	4	6	5	4	6	8	5	3	6	7	8	41	98	42	42	0	98
27	54	81	71	26	24	19	25	33	57	32	26	6	85	-15	6	5	8	8	5	7	17	11	22	25	-15	85
28	28	50	41	32	26	27	31	26	0P	-15	-15	133	6	5	5	8	7	4	5	6	9	9	6	6	-15	133
29	6	7	5	3	9	14	13	17	15	10	6	6	7	7	5	37	6	6	5	6	5	6	8	5	3	37
30	5	4	3	4	6	3	2	4	4	4	4	5	6	6	4	5	6	4	4	6	7	7	7	6	2	7
31	7	7	5	5	4	3	2	5	7	8	9	8	6	6	5	7	9	9	6	5	6	8	5	5	2	9

Monthly:	10	-15	133
	Ave	Min	Max

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

Monthly Matrix PM2.5 (KN12)

Station/Facility: KN12
Parameter: PM2.5 (ug/m3) Particulate Matter 2.5 ug/m3
Month/Year: Jan 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	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4	2	3	6	9	9	5	7	18	19	14	12	9	8	12	15	16	2	19
02	18	17	10	9	8	8	6	3	8	12	16	12	12	16	8	9	10	10	12	11	11	12	10	17	3	18
03	16	13	16	11	12	11	12	9	7	10	11	13	14	12	12	14	18	18	11	12	11	8	11	11	7	18
04	9	8	9	11	9	7	8	7	10	18	18	19	21	13	14	19	18	17	15	14	12	8	7	10	7	21
05	11	10	11	13	14	14	12	16	18	16	17	18	21	12	13	13	13	13	12	14	12	11	17	18	10	21
06	17	21	19	20	14	16	11	11	16	12	17	19	23	22	13	17	13	12	11	12	11	11	13	13	11	23
07	14	17	16	18	7	8	9	10	11	12	17	23	19	16	16	12	18	18	21	20	15	19	23	18	7	23
08	19	21	18	19	19	20	18	15	14	13	19	15	13	11	17	16	13	14	13	13	29	27	17	23	11	29
09	23	19	15	18	13	16	15	14	11	11	21	20	20	18	17	16	13	14	13	13	16	18	15	17	11	23
10	23	21	16	17	18	16	12	12	12	13	14	17	11	18	13	14	14	19	16	10	12	16	16	18	10	23
11	21	21	9	19	18	18	12	12	10	19	4	6	8	5	3	2	3	4	3	2	0	-1	1	0	-1	21
12	-2	3	5	3	2	4	6	4	4	5	7	9	8	7	4	4	2	1	4	4	3	2	2	5	-2	9
13	8	8	8	8	6	5	5	3	7	10	19	18	10	8	17	15	13	16	9	7	6	6	6	4	3	19
14	3	3	2	0	-2	-3	-1	2	4	6	7	6	5	4	4	4	5	4	3	3	3	4	2	3	-3	7
15	1	2	2	2	4	3	3	5	3	1	1	0	1	2	4	5	3	1	1	1	3	4	2	2	0	5
16	4	3	3	1	-2	1	2	1	2	4	5	5	0	-2	3	5	3	2	3	1	0	2	1	0	-2	5
17	1	3	2	1	0	0	1	2	3	3	7	7	4	5	6	5	6	8	5	1	1	2	2	4	0	8
18	6	6	4	4	6	5	6	10	10	7	9	18	10	9	11	12	7	6	8	5	4	5	6	6	4	18
19	5	5	8	8	8	8	7	6	8	9	11	14	15	13	9	10	17	17	13	14	10	6	8	17	5	17
20	9	11	13	13	12	11	14	14	13	13	16	21	22	16	17	16	17	24	16	16	15	22	21	26	9	26
21	25	18	14	13	18	10	6	4	6	6	21	36	27	26	32	29	29	30	27	6	23	34	34	38	4	38
22	33	33	25	25	27	31	24	19	21	20	16	27	28	28	22	16	8	12	14	10	8	11	27	28	8	33
23	32	25	36	26	22	24	14	20	23	22	21	19	20	20	21	9	10	11	12	14	14	13	16	14	9	36
24	14	14	18	17	19	17	20	24	20	16	19	21	28	19	14	28	27	17	24	21	19	14	19	22	14	28
25	23	19	15	20	21	19	20	15	16	14	17	17	19	14	14	17	14	19	17	18	16	9978p	9978p	9978p	14	23
26	9978p	9978p	9978p	9978p	9978p	9978p	9978p	14	13	10	11	12	11	16	10	21	19	19	14	16	17	18	18	17	10	21
27	19	21	17	20	23	21	16	17	7	10	21	22	19	24	22	24	28	26	22	19	15	22	24	24	7	28
28	21	18	17	17	17	18	15	16	12	13	20	17	25	16	16	19	10	21	17	12	12	13	14	12	10	25
29	12	15	15	13	12	15	15	14	13	15	9979d	16	0p	15	14	17	21	0p	13	13	12	18	19	19	0	21
30	17	21	15	16	15	18	18	23	19	21	11	21	26	29	21	24	13	12	12	12	11	20	18	15	11	29
31	25	21	15	13	8	3	3	9	15	15	11	16	12	13	11	11	14	12	8	8	7	9	13	13	3	25

Monthly:	13	-3	38
	Ave	Min	Max

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

Monthly Matrix SO2 (PA16)

Station/Facility: PA16
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Jan 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	27	92	112	138	42	57	64	41P	17	23	53	78	9995c	6	2	2	0	0	0C	9995c	1C	0	0	0	0	138
02	0	0	0	1	3	9	42	51P	13	23	4	2	9995c	1	1	0	1	1	3	4	16	142	312	9980b	0	312
03	103	76	118	62	43	97	194	201P	63	3	14	45	9995c	24	4	4	6	2	6	64	27	14	2	346	2	346
04	447	124	91	32	72	33	9	89P	61	47	3	1	9995c	2	1	1	7	73	292	210	745	329	155	57	1	745
05	230	66	174	604	516	77	19	9P	139	48	10	6	9995c	3	1	1	0	0	1	100	264	160	91	96	0	604
06	118	179	188	234	163	109	77	270P	140	149	83	34	9995c	5	3C	1C	1	1	1	3	35	44	72	126	1	270
07	154	133	44	61	73	38	42	47P	79	89	116	27	9995c	7	2	1	2	15	50	68	44	47	28	24	1	154
08	116	189	100	38	47	36	54	112P	160	179	51	15	9995c	3	2	1	1	2	3	17	66	79	187	88	1	189
09	57	51	22	67	25	57	97	192P	185	95	36	10	9995c	1	1	0	0	0	1	1	0	9	92	444	0	444
10	309	136	168	145	119	29	16	7P	2	1	1	0	9995c	1	0	0	0	0	0	0	2	0	0	0	0	309
11	0	0	0	0	0	0	0	0P	0	0	0	0	9995c	10	7	32	25	10	5	3	2	7	7	5	0	32
12	8	12	84	181	182	175	115	168P	199	196	80	51	9995c	9979d	9979d	43D	14	13	12	6	5	26	41	55	5	199
13	51	49	34	19	17	6	5	5P	5	4	3	1	9995c	1	0C	0C	0	0	0	0	0	0	0	9980b	0	51
14	0	0	0	0	0	0	0	0P	0	0	0	0	9995c	1	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0P	0	0	0	0	9995c	1	0	0	0	4	10	44	147	181	180	122	0	181
16	69	70	63	67	59	77	83	107P	266	279	213	128	9995c	79	69	73	58	29	23	41	224	260	290	466	23	466
17	462	323	230	335	139	109	133	108P	43	29	61	49	9995c	50	14	6	34	37	33	13	4	5	1	2	1	462
18	6	9	12	31	55	74	86	116P	231	363	210	52	9995c	22	10	1	12	17	51	37	206	191	138	105	1	363
19	118	188	187	139	115	157	180	105P	108	415	88	11	9995c	2	2	1	1	1	1	1	1	1	13	64	1	415
20	158	343	200	229	171	110	148	337P	668	135	100	104	9995c	55	66C	32C	16	13	11	10	12	28	173	96	10	668
21	115	234	333	302	336	351	204	148P	140	287	314	248	9995c	24	26	32	35	22	14	19	33	58	136	200	14	351
22	183	166	146	123	146	199	199	158P	171	254	255	152	9995c	31	20	42	6	64	397	138	90	80	75	69	6	397
23	44	49	36	24	26	13	39	38P	60	55	55	23	9995c	3	2	3	6	26	34	92	94	71	200	198	2	200
24	153	59	86	98	113	125	93	64P	72	20	68	38	9995c	5	8	2	1	9	64	29	11	82	189	253	1	253
25	185	85	22	62	24	9	50	164P	96	23	90	43	9995c	5	2	1	1	2	16	31	66	107	28	53	1	185
26	52	140	40	39	60	117	132	133P	211	105	9	3	9995c	2	1	0	0	0	1	0	0	0	2	2	0	211
27	2	3	7	11	43	53	99	254P	311	110	30	6	9995c	1	1C	0C	0	0	0	0	0	0	0	9980b	0	311
28	0	0	0	8	5	4	3	32P	68	114	53	2	9995c	2	3	0	0	0	0	0	0	0	1	0	0	114
29	1	2	46	74	60	304	277	120P	69	191	180	29	9995c	3	1	1	1	1	1	17	13	32	98	163	0	304
30	212	261	140	184	125	140	62	102P	78	34	58	7	9995c	2	1	1	1	1	2	6P	6	8	41	61	1	261
31	79	43	44	14	28	44	73	154P	237	75	63	25	9995c	5	1	0	1	0	0	2	5	5	30	172	0	237

| | | | | | | | | | | | | | | | | | | | | | | Monthly: | 68 | 0 | 745 |
| | | | | | | | | | | | | | | | | | | | | | | | 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

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 02 Feb 2009 08:10

Monthly Matrix SO2 (PE10)

Station/Facility: PE10
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Jan 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	2	9995c	2	2	2	2	2	2	2	9995c	9995c	2	2	2	2	2	2	2	2
02	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
03	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
04	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
05	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
06	2	2	2	2	2	2	2	2	9995c	2C	9995c	2	2	2P	2	2	2	2	2	2	2	2	2	2	2	2
07	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
08	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2P	2	2	2	2	2	2	2	2	2	2
09	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	3	3	3	9995c	3	4	5	3	3	2	2	2	2	2	2	2	2	2	2	2	5
12	8	6	4	4	4	3	3	3	9995c	7	5	4	4	5	7	11	10	6	4	3	3	2	2	2	2	11
13	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
14	4	3	2	2	2	2	2	2	9995c	3	5	4	4	2	2	2	2	2	2	2	2	2	2	2	2	5
15	2	2	2	2	2	3	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3
16	2	3	3	2	3	3	2	2	9995c	4	6	7	14	16	12	9	5	9978p	9978p	3	3	3	3	3	2	16
17	22	71	17	4	3	3	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	4	6	6	4	2	71
18	4	3	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
19	2	3	3	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
20	2	2	2	2	2	2	2	16	9995c	57C	9995c	7	7	7	8	6	8	6	5	4	4	3	3	3	2	57
21	4	4	2	2	2	2	2	2	9995c	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
22	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	9995c	2C	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	9995c	2C	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	2	9995c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Monthly:

	Ave	Min	Max
	3	2	71

Flags:
C = Calibration - Valid Hour
c = Calibration - Invalid Hour (9995)
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: Jan 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	0	2	1	1	0	0P	0	9995c	1C	44	489	16	2	1	0	0	0	0	0	0	-1	-1	-1	489
02	8	6	4	3	3	1	0	0P	0	9995c	2C	0	0	0C	9995c	9995c	0	0	0	-1	-1	-1	-1	-1	-1	8
03	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
04	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	2C	0	0	-1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	2
05	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	-1	-1	-1	-1	0	-1	161	178	47	21	22	-1	178
06	6	2	0	0	0	0	0	0P	0	9995c	1C	0	0C	0	0	-1	-1	0	-1	-1	0	-1	-1	-1	-1	6
07	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	2C	1	0	0	0	-1	-1	-1	-1	0	0	-1	-1	-1	-1	2
08	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
09	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	37C	2	0	0	-1	-1	-1	-1	-1	-1	44	355	268	9980b	-1	355
10	122	31	9	72	111	34	29	18P	2	9995c	2C	1	0	0	0	0	0	0	31	31	3	30	35	9980b	0	122
11	5	1	1	58	38	62	45	48P	40	9995c	89C	9	3	9	40	53	237	383	61	11	14	26	21	10	1	383
12	5	5	3	5	3	2	4	9P	14	9995c	6C	10	5	2	2	3	3	7	8	4	1	0	5	19	0	19
13	712	306	57	325	483	442	415	320P	157	9995c	41C	9995c	49C	137	271	148	85	26	8	3	14	16	3	2	2	712
14	7	5	3	4	4	4	5	4P	7	9995c	117C	36	22	26	7	3	3	4	3	4	7	18	217	99	3	217
15	32	18	13	56	88	50	3	62P	28	9995c	37C	65	44	17	11	8	10	12	9	3	3	2	2	2	2	88
16	16	43	28	19	10	11	11	19P	15	9995c	6C	8	24	7	5	4	6	5	4	4	4	4	5	6	4	43
17	6	6	4	1	0	0	-1	0P	0	9995c	3C	3	1	0	0	0	-1	-1	4	-1	-1	-1	-1	-1	-1	6
18	-1	-1	-1	-1	-1	-1	-1	-1P	0	9995c	1C	1	0	0	0	-1	-1	-1	0	0	-1	-1	-1	-1	-1	1
19	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	12	83	-1	83
20	207	431	295	142	48	30	45	57P	62	9995c	7C	9995c	9C	9	7	6	6	5	4	3	2	1	1	9980b	1	431
21	0	-1	0	0	-1	-1	-1	-1P	-1	9995c	0C	0	0	0	0	0	-1	-1	-1	0	0	0	0	-1	-1	0
22	-1	-1	0	0	-1	-1	-1	-1P	0	9995c	1C	0	0	0	0	0	0	-1	-1	0	0	-1	0	-1	-1	1
23	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	3C	0	0	0	-1	-1	-1	1	1	0	-1	-1	0	-1	-1	3
24	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	0	-1	-1	-1	-1	-1	0	0	-1	-1	-1	-1	1
25	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	3C	0	0	0	0	-1	-1	-1	-1	0	0	-1	-1	-1	-1	3
26	-1	-1	-1	-1	-1	-1	-1	-1P	-1	9995c	1C	0	0	0	0	0	-1	-1	34	47	8	21	41	41	-1	47
27	75	133	150	118	116	251	335	298P	118	9995c	5C	0	2C	1	1	1	2	4	8	7	1	30	31	132	1	335
28	113	99	86	83	30	43	18	72P	227	9995c	40C	5	5	2	4	1	0	1	1	1	1	0	0	0	0	227
29	0	0	0	-1	0	0	0	0P	-1	9995c	1C	0	0	0	0	-1	-1	-1	-1	0	0	0	0	0	-1	1
30	0	0	0	-1	-1	-1	0	-1P	0	9995c	2C	1	0	0	0	0	0	0	-1	0	0	0	-1	-1	-1	2
31	-1	0	-1	-1	-1	-1	-1	-1P	-1	9995c	0C	0	0	0	0	-1	-1	-1	-1	-1	0	-1	-1	-1	-1	0

Monthly: Ave 19, Min -1, Max 712

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

Monthly Matrix SO2 (KN12)

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

																							Monthly:		1	-2	29
																									Ave	Min	Max

Flags:
- = Negative Over Range - Valid Hour
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 SO2 (HL11)

Station/Facility: HL11
Parameter: SO2 (PPB) Sulfur Dioxide
Month/Year: Jan 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	11	8	5	6	9	8	5	3P	2C	9995c	5C	3	63	22	5	9995c	9995c	4	3	2	2	2	1	1	1	63
02	2	4	7	6	3	2	2	2P	1C	9995c	5C	3	3	2	5	10	11	8	6	3	2	2	1	1	1	11
03	1	1	1	1	1	1	1	1P	1C	9995c	5C	3	2	2	2	2	2	1	1	1	1	1	1	1	1	5
04	1	1	1	1	1	1	1	1P	1C	9995c	4C	3	2	2	1	1	1	1	1	1	1	1	1	1	1	4
05	1	1	1	1	1	1	1	1P	1C	9995c	4C	3	2	2	2	1	1	1	1	1	12	30	21	13	1	30
06	6	3	2	2	1	1	1	1P	1C	9995c	4C	3	9995c	4C	2	2	2	2	2	3	2	1	1	1	1	6
07	1	1	1	1	1	1	1	1P	1C	9995c	4C	3	2	2	2	1	1	1	1	1	1	1	1	1	1	4
08	1	1	1	1	1	1	1	1P	1C	9995c	5C	5	3	3	3	2	2	1	1	1	1	1	1	1	1	5
09	1	1	1	1	1	1	1	1P	1C	9995c	5C	10	4	3	2	2	2	2	1	1	2	88	73	9980b	1	88
10	59	69	38	11	55	76	52	39P	40C	9995c	11C	4	3	2	2	2	2	2	18	16	32	17	36	39	2	76
11	40	18	21	21	25	13	14	16P	17C	9995c	26C	6	8	5	5	8	14	3	2	2	3	4	5	11	2	40
12	21	20	12	13	16	14	14	13P	10C	9995c	4C	3	2	2	2	2	2	2	2	2	2	2	2	4	2	21
13	20	66	160	126	221	120	76	54P	55C	9995c	98C	50	11C	9980b	9978p	149C	545	10	4	9980b	9980b	9980b	9980b	9980b	4	545
14	2	3	3	3P	5	5	7	9P	9C	9995c	39C	75	35	15	18	7	15	17	12	12	7	6	7	7	2	75
15	7	9	12	9	8	5	6	5P	7C	9995c	9978p	41	22	19	18	15	11	10	7	5	4	4	4	4	4	41
16	5	4	5	5	4	4	4	4P	4C	9995c	7C	7	7	5	5	7	6	5	4	4	4	4	4	4	4	7
17	6	6	4	2	2P	1	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1	6
18	1	1	1	1	1	1	1	1P	1C	9995c	2C	2	2	2	1	1	1	2	2	1	1	1	1	1	1	2
19	1	2	1	1	1	1	1	1P	1C	9995c	3C	4	3	3	3	1	1	1	2	1	1	1	1	1	1	4
20	6	16	33	31	23	20	14	8P	11C	9995c	9978p	12	9995c	8	8	9995c	9995c	5	3	3	3	3	3	2	2	33
21	2	2	1	1	1	1	1	2P	2C	9995c	3C	2P	2	2	2	2	2	2	2	1	1	1	1	1	1	3
22	1	1	1	1	1	1	1	1P	1C	9995c	3C	2	2	2	2	1	1	1	1	2	2	1	1	1	1	3
23	1	1	1	1	1	1	1	1P	1C	9995c	4C	3	4	4	4	3	2	2	2	2	2	1	1	1	1	4
24	1	1	1	1	1	1	1	1P	1C	9995c	7C	3	4	4	4	4	3	3	2	2	1	1	1	1	1	7
25	1	1	1	1	1	1	1	1P	1C	9995c	2C	2	3	2	4	6	5	2	2	1	2	1	1	1	1	6
26	1	1	1	1	1	1	1	1P	1C	9995c	3C	3	2	2	2	2	2	2	4	24	77	25	42	61	1	77
27	99	99	40	19	24	30	42	91P	54C	9995c	5C	4	9995c	4	3	3	3	3	2	2	4	11	32	54	2	99
28	86	83	45	25	25	32	35	25P	46P	9979d	291	22	6	4	3	2	2	5	10	12	8	5	3	2	2	291
29	2	2	2	2	2	2	2	2P	2	2	2	2	2	2	2C	9995c	4C	2	2	2	2	2	2	1	1	4
30	1	1	1	1	1	1	2	1P	1	1	2	2	1	1	1C	9995c	3C	2	2	1	1	1	1	1	1	3
31	1	1	1	1	1	2	2	1P	1	1	1	1	1	1	1C	9995c	3C	2	2	2	3	2	2	2	1	3

Monthly:	10	1	545
	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)

Wind Direction (PA16)

Station/Facility: PA16
Parameter: WD (DEG) Wind Direction
Month/Year: Jan 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	266	313	273	212	184	296	305	231P	249	194	127	273	94	129	118	129	119	119	166	183	168	256	274	235
02	199	202	277	256	205	239	254	140P	86	58	74	83	91	89	86	77	78	67	66	69	76	200	263	9980b
03	209	140	180	134	148	196	143	157P	84	61	82	86	79	95	89	90	87	75	53	50	69	135	74	66
04	200	91	82	56	70	112	81	60P	76	70	75	81	74	83	83	83	82	74	194	260	123	104	76	94
05	80	123	104	236	122	74	121	68P	68	81	90	91	93	98	99	71	71	78	281	250	117	242	154	92
06	74	149	113	270	146	177	251	125P	87	104	91	92	84	95	94	98	82	78	65	85	193	293	307	312
07	312	274	282	327	319	308	295	273P	184	170	196	102	101	104	100	104	118	166	178	169	297	293	293	311
08	324	308	319	325	309	314	253	166P	90	108	96	92	85	85	88	89	90	78	76	135	92	113	112	158
09	307	198	254	315	296	320	270	215P	79	91	95	105	106	116	111	107	100	83	178	240	332	330	278	256
10	200	181	136	202	209	165	273	195P	274	139	137	118	84	97	77	136	122	202	320	319	314	325	313	280
11	288	289	274	322	256	221	226	260P	174	149	181	260	85	85	133	142	166	250	222	312	310	319	325	329
12	325	315	323	322	322	318	324	320P	203	121	141	145	155	154	163	137	134	135	99	249	204	328	313	321
13	317	317	320	322	322	319	295	306P	196	150	156	139	152	167	152	156	158	175	256	311	327	325	325	9980b
14	321	326	327	322	324	323	322	323P	176	163	155	169	161	184	180	193	169	174	175	207	279	285	215	241
15	223	199	178	169	297	293	312	223P	85	97	97	83	100	165	181	153	82	113	177	181	224	310	320	324
16	319	319	320	329	330	320	317	318P	164	139	137	130	120	129	99	112	94	159	203	245	239	251	211	299
17	308	275	307	330	297	298	284	209P	192	196	185	187	182	173	199	203	203	220	245	281	310	246	319	317
18	314	289	223	327	260	329	301	233P	232	140	166	152	113	125	114	118	145	274	222	279	265	308	301	313
19	325	308	321	259	307	318	319	288P	78	80	98	103	116	103	100	255	286	215	310	305	291	329	320	319
20	320	320	318	317	317	320	319	324P	120	97	147	152	144	140	146	141	155	173	315	319	322	323	328	323
21	322	326	328	326	329	317	319	308P	206	180	175	197	159	110	101	104	130	222	285	290	245	303	296	279
22	294	315	302	302	314	299	296	313P	221	218	211	117	108	106	187	143	97	119	213	280	254	271	297	285
23	253	300	289	279	232	158	128	167P	84	92	93	93	94	94	94	93	93	92	172	190	268	309	310	309
24	291	288	321	311	295	294	288	269P	81	96	99	97	103	96	88	98	94	87	69	117	114	156	200	133
25	161	145	176	285	213	228	283	147P	76	73	91	98	97	95	92	93	97	91	81	148	187	130	178	139
26	261	250	258	217	327	183	257	271P	137	76	86	98	95	101	110	109	107	103	244	325	329	319	318	322
27	331	332	296	315	310	323	313	324P	124	104	115	105	128	140	133	131	138	126	328	327	322	326	325	9980b
28	255	178	188	277	321	324	323	301P	97	93	263	140	147	120	145	156	143	147	155	256	229	265	216	241
29	320	318	326	323	322	315	323	326P	156	104	113	110	107	118	121	97	81	98	233	248	272	317	322	319
30	323	325	321	320	314	307	318	253P	86	99	106	108	104	104	113	100	101	175	256	298P	318	299	312	304
31	261	251	172	190	110	174	241	177P	113	90	97	106	93	103	112	101	87	95	123	285	246	280	307	325

Monthly Ave: 199

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

Wind Speed (PA16)

Station/Facility: PA16
Parameter: WS (MPH) Wind Speed
Month/Year: Jan 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	4.5	4.3	3.2	3.9	4.6	4.5	3.1	3.6P	2.6	1.3	2.1	3.6	4.6	4.7	4.4	5.3	4.1	2.6	1.6	3.0	3.1	3.7	5.0	4.7	1.3	5.3
02	4.8	4.0	5.6	4.5	5.9	4.7	5.1	5.0P	2.7	3.3	3.9	4.8	6.1	5.2	4.8	4.6	4.3	5.1	4.1	4.3	3.5	4.1	4.2	9980b	2.7	6.1
03	2.8	3.7	3.3	3.8	5.2	4.4	6.1	3.0P	3.2	7.8	8.0	7.8	6.2	8.5	6.6	6.6	4.6	4.7	5.4	4.7	3.6	3.4	5.3	5.8	2.8	8.5
04	6.9	6.3	6.8	4.4	4.4	5.2	5.7	6.2P	5.4	4.2	5.3	5.2	5.7	6.3	5.2	4.9	5.1	5.0	4.4	4.8	6.6	8.3	6.8	6.0	4.2	8.3
05	6.9	4.8	6.2	7.0	5.4	5.8	6.6	4.6P	4.1	6.3	7.7	8.8	7.2	7.0	7.2	5.1	3.6	3.9	5.5	4.7	4.5	5.3	5.1	4.7	3.6	8.8
06	5.3	4.3	2.1	3.0	3.6	4.2	5.1	4.0P	3.3	4.7	5.8	5.9	5.5	5.3	4.9	6.3	3.0	2.8	2.3	2.8	3.6	3.6	3.6	3.0	2.1	6.3
07	2.3	4.3	4.7	4.8	5.4	4.4	3.3	2.7P	3.0	2.5	4.1	10.0	8.4	9.3	8.1	7.3	5.4	2.5	2.5	2.9	4.6	4.6	4.1	3.9	2.3	10.0
08	5.5	4.3	5.0	5.5	4.3	4.1	2.9	3.2P	1.8	4.1	8.6	8.0	5.8	5.3	4.6	3.4	3.6	3.8	3.1	3.3	3.8	4.1	3.7	3.7	1.8	8.6
09	5.1	5.0	4.5	4.9	4.5	4.8	4.9	4.0P	3.0	4.8	6.6	8.2	7.2	6.6	7.5	6.4	4.5	2.5	3.2	3.6	4.9	5.3	4.0	5.3	2.5	8.2
10	5.5	4.0	3.2	5.7	5.1	5.3	6.1	6.4P	4.6	4.1	3.8	3.7	3.3	3.3	3.1	4.2	3.0	4.6	4.1	3.9	3.1	4.8	4.6	4.2	3.0	6.4
11	2.9	4.5	4.3	3.6	3.2	2.6	3.4	3.2P	4.1	1.7	2.8	1.1	2.2	5.3	4.3	4.1	2.5	1.1	0.7	1.5	3.1	4.4	5.1	4.8	0.7	5.3
12	5.3	5.1	5.7	5.9	6.0	5.2	6.5	4.9P	1.7	2.2	4.4	4.7	5.2	4.4	5.0	4.9	4.3	2.9	1.8	2.3	1.8	4.0	3.7	4.9	1.7	6.5
13	4.6	4.3	5.6	6.3	6.3	6.2	4.8	4.0P	1.1	3.1	3.7	4.0	5.9	4.0	4.8	4.5	4.8	2.6	0.9	2.5	4.5	5.6	6.7	9980b	0.9	6.7
14	5.6	6.7	6.4	5.8	6.7	6.7	6.5	4.8P	1.0	3.3	4.4	4.0	6.2	5.6	6.4	5.8	4.1	4.8	3.6	2.4	1.2	1.9	1.8	2.6	1.0	6.7
15	2.3	3.3	2.6	4.5	3.6	4.7	4.6	3.1P	4.0	3.0	4.2	5.4	3.7	5.2	6.5	5.7	4.1	3.9	2.8	3.6	4.5	5.6	4.4	4.6	2.3	6.5
16	4.6	4.9	5.3	5.7	5.3	4.7	5.1	4.5P	2.6	3.1	3.2	3.9	4.5	3.4	3.8	3.7	2.9	2.3	4.0	4.3	4.7	4.8	5.0	3.8	2.3	5.7
17	4.7	4.0	5.1	4.1	2.6	2.7	3.0	3.3P	4.4	7.2	7.3	6.3	5.8	5.3	3.3	4.9	3.9	4.6	4.7	3.6	5.0	4.5	5.3	4.7	2.6	7.3
18	4.0	3.4	3.7	3.8	3.8	4.1	2.6	3.5P	2.7	1.7	4.5	4.4	6.5	8.2	6.2	6.2	5.2	4.5	2.1	3.1	3.1	3.3	3.8	4.1	1.7	8.2
19	5.3	4.3	5.5	5.1	5.1	5.5	5.5	4.6P	2.9	3.5	6.0	7.0	3.4	2.4	1.9	2.6	3.7	4.8	5.4	4.6	4.1	4.4	5.1	6.3	1.9	7.0
20	6.1	6.1	5.9	5.8	6.5	6.9	6.0	5.3P	4.0	3.3	4.8	3.8	5.3	4.9	5.0	4.8	3.3	2.2	3.8	4.3	5.5	5.8	6.3	5.9	2.2	6.9
21	5.8	6.6	6.1	6.1	7.2	5.9	4.9	5.5P	3.9	4.0	3.7	4.7	6.0	10.0	9.2	8.3	4.6	4.5	3.7	3.9	5.3	4.2	4.6	4.3	3.7	10.0
22	4.3	5.0	4.0	4.2	5.7	3.8	4.1	3.8P	2.6	3.2	2.5	8.7	11.0	9.3	7.2	4.8	7.1	5.1	3.0	4.6	3.7	3.9	4.2	4.9	2.5	11.0
23	4.7	4.5	4.4	5.3	5.4	4.2	4.8	4.1P	3.1	6.7	8.8	9.9	9.7	8.6	8.6	8.4	6.9	4.9	3.1	3.5	3.2	5.0	4.8	3.8	3.1	9.9
24	5.1	5.5	5.7	4.9	4.8	5.0	5.4	2.8P	2.4	6.7	9.1	8.9	11.0	8.4	5.9	6.0	5.7	5.1	3.8	4.5	4.6	4.9	5.8	4.3	2.4	11.0
25	5.5	6.9	3.3	5.4	4.5	3.9	3.9	3.5P	4.1	5.5	7.8	8.9	9.1	7.9	5.8	4.9	5.9	5.2	3.8	3.0	3.6	4.5	5.8	4.5	3.0	9.1
26	6.4	5.5	5.3	2.8	4.3	3.9	4.9	4.7P	5.0	3.6	4.1	5.4	5.7	7.4	5.9	5.1	4.4	3.8	2.3	4.1	5.2	5.4	6.1	4.7	2.3	7.4
27	4.5	4.6	2.9	4.4	3.8	4.0	4.8	5.5P	2.4	4.6	7.4	7.6	6.3	6.8	5.7	5.1	4.0	2.4	4.2	5.3	5.6	5.5	4.1	9980b	2.4	7.6
28	4.1	4.6	5.2	5.2	4.7	4.8	4.8	3.5P	4.0	6.2	6.2	3.7	3.0	4.0	5.2	4.7	4.4	2.6	1.2	2.2	2.5	3.2	2.3	3.3	1.2	6.2
29	4.3	4.4	5.1	4.4	5.4	5.4	5.8	5.8P	2.4	4.4	5.8	8.3	7.4	6.4	4.3	4.8	2.7	2.6	1.5	2.8	3.8	5.9	5.8	5.2	1.5	8.3
30	6.1	6.0	6.0	5.6	5.5	5.8	5.6	4.8P	3.2	5.3	7.4	7.7	6.7	7.1	5.7	5.0	2.5	1.3	3.2	2.7P	4.8	3.5	5.3	5.5	1.3	7.7
31	6.0	5.6	4.8	5.3	4.4	5.3	4.2	3.9P	4.1	7.2	7.4	8.9	6.5	8.1	7.4	3.4	3.1	3.7	2.5	2.7	2.8	2.8	2.5	5.7	2.5	8.9

Monthly: 4.7 Ave 0.7 Min 11.0 Max

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

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 02 Feb 2009 10:21

Wind Direction (MV17)

Station/Facility: MV17
Parameter: WD (DEG) Wind Direction
Month/Year: Jan 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	250	272	266	276	259	255	254	251P	239	189	198	206	171	92	65	92	108	116	134	205	224	233	198	166
02	208	230	231	264	252	241	268	267P	229	166	164	75	76	76	91	89	76	153	124	193	174	278	287	152
03	248	270	289	290	271	253	181	234P	299	163	207	273	100	95	234	250	196	176	287	277	258	270	257	251
04	221	269	257	259	240	204	228	240P	277	228	112	88	110	98	119	95	124	232	196	267	261	255	243	268
05	232	244	241	260	257	256	248	260P	266	184	147	131	125	103	131	140	132	168	244	250	247	246	247	245
06	230	253	254	252	255	230	261	260P	232	131	106	101	103	103	114	98	100	125	227	268	254	267	274	277
07	268	261	272	272	261	219	279	272P	273	234	87	86	114	78	73	74	64	80	241	227	315	303	296	252
08	281	241	275	288	276	274	279	284P	273	208	150	98	123	106	177	140	175	118	216	249	275	242	251	244
09	231	248	253	250	252	248	253	249P	225	189	171	145	148	121	122	120	113	122	208	226	232	224	183	9980b
10	243	233	226	224	230	227	225	233P	192	162	147	140	145	162	188	164	176	178	164	219	226	227	211	9980b
11	185	189	194	204	240	222	262	260P	255	212	112	122	186	191	183	140	147	226	271	249	243	252	243	245
12	265	254	244	248	247	251	250	251P	226	196	103	82	77	65	68	72	62	80	198	242	243	241	243	245
13	228	230	237	247	246	230	227	231P	218	153	137	126	124	145	160	207	261	259	223	221	202	261	253	239
14	238	238	248	257	255	250	247	246P	247	77	72	136	190	153	181	212	164	91	192	219	207	201	216	233
15	258	256	246	247	226	228	223	248P	218	210	232	217	205	175	237	231	260	231	258	254	263	248	252	253
16	259	251	251	243	250	252	248	246P	224	132	110	124	111	68	72	91	170	158	248	248	251	250	257	256
17	256	230	133	131	152	134	85	79P	80	74	81	80	67	82	98	84	106	121	212	268	267	255	251	257
18	248	249	250	251	251	251	257	258P	273	181	109	81	65	76	77	77	73	113	261	254	251	256	279	260
19	263	262	262	262	258	256	261	260P	259	147	109	94	95	95	86	75	104	231	245	255	249	256	256	253
20	253	251	249	253	247	253	254	254P	244	133	146	103	119	75	68	136	84	76	280	252	262	258	269	9980b
21	247	232	256	241	260	260	270	258P	243	193	188	98	69	70	69	63	73	65	172	285	274	281	279	279
22	265	275	241	263	258	263	270	259P	223	228	190	211	89	69	72	81	86	64	157	221	233	281	266	256
23	217	246	278	248	275	255	274	280P	250	230	189	153	89	76	70	63	87	160	280	251	274	281	298	298
24	292	280	274	262	271	268	247	262P	281	191	74	116	73	76	84	83	80	144	262	281	292	286	290	282
25	275	241	275	274	237	258	269	268P	231	248	249	73	153	79	77	79	78	108	214	247	257	260	215	256
26	261	203	245	265	261	235	255	252P	240	154	120	162	163	136	139	136	136	172	210	237	230	236	239	235
27	240	251	243	240	248	243	243	245P	182	131	127	126	131	145	148	146	146	142	167	214	229	226	230	214
28	225	251	222	244	243	251	246	240P	231	215	163	131	118	92	82	87	101	110	185	244	240	248	237	260
29	255	250	254	246	259	244	246	248P	241	192	159	102	71	75	76	68	59	61	246	258	257	253	257	253
30	248	249	251	253	255	259	258	267P	268	135	94	83	80	69	78	78	74	54	208	281	269	273	274	265
31	263	264	258	210	250	256	265	264P	259	140	85	78	65	68	74	69	66	63	149	267	257	259	254	258

Monthly Ave:　201

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

Wind Speed (MV17)

Station/Facility: MV17
Parameter: WS (MPH) Wind Speed
Month/Year: Jan 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	3.0	3.3	3.0	2.8	4.0	3.4	2.7	2.7P	2.9	3.3	4.3	5.1	2.6	4.8	3.9	5.0	3.7	5.9	3.0	2.7	3.1	2.4	2.0	2.0	2.0	5.9
02	4.0	5.1	5.6	4.2	4.2	2.7	4.1	4.0P	2.0	1.9	2.6	4.0	4.4	5.7	5.6	5.1	3.4	2.6	1.8	2.6	2.4	1.6	2.3	2.7	1.6	5.7
03	2.3	2.7	2.4	1.8	2.0	2.5	2.3	2.6P	2.1	2.9	3.2	3.4	4.4	4.3	1.9	1.8	1.7	1.2	2.1	2.1	0.8	1.6	3.6	3.8	0.8	4.4
04	3.1	4.3	3.8	3.0	1.9	1.8	1.4	2.2P	1.6	1.4	2.4	5.1	8.0	6.3	6.0	5.3	3.4	1.8	1.9	2.1	3.5	4.3	3.8	3.9	1.4	8.0
05	4.4	3.5	2.9	5.4	3.8	3.4	3.3	3.2P	2.8	2.4	2.5	4.4	5.2	4.5	4.9	5.2	4.8	2.0	2.6	2.9	2.5	2.7	2.7	3.0	2.0	5.4
06	2.4	2.5	2.8	3.3	3.8	3.1	4.1	3.3P	1.6	1.8	4.1	5.1	6.4	7.3	5.3	7.2	3.7	2.3	1.1	1.6	2.2	2.9	3.5	2.2	1.1	7.3
07	3.0	3.3	2.7	2.3	2.4	1.5	2.3	3.2P	2.7	2.2	3.0	4.0	4.3	4.4	4.7	4.5	3.6	2.8	1.5	1.6	1.4	1.4	1.9	1.9	1.4	4.7
08	2.8	2.4	2.7	1.4	2.6	3.5	2.4	2.2P	2.6	1.9	2.4	2.9	2.4	5.6	2.5	1.6	1.6	1.2	2.5	2.7	2.8	1.6	2.2	2.2	1.2	5.6
09	2.5	3.4	3.6	4.5	3.8	3.9	4.7	4.5P	3.5	4.2	4.3	4.6	5.7	5.3	6.0	7.4	5.9	4.2	1.9	3.7	3.6	3.6	2.1	9980b	1.9	7.4
10	4.2	3.6	4.3	3.7	4.6	3.5	4.1	3.9P	3.5	5.2	5.3	5.5	4.4	5.4	4.7	3.1	2.5	1.6	2.2	3.1	4.0	4.0	3.6	9980b	1.6	5.5
11	4.1	3.7	3.0	1.8	2.6	2.5	3.8	3.9P	3.8	2.3	4.3	3.8	5.1	4.9	6.4	5.1	3.8	2.5	1.8	2.5	3.6	3.7	4.0	3.2	1.8	6.4
12	3.1	2.6	2.9	4.6	4.9	4.8	4.7	4.8P	2.4	3.1	3.6	3.9	3.8	4.3	4.3	3.3	2.9	1.8	0.6	0.8	2.2	2.4	3.4	4.0	0.6	4.9
13	4.4	6.5	5.4	5.4	5.2	4.8	6.2	5.7P	4.9	5.3	7.2	9.2	8.6	8.3	7.6	4.4	3.5	2.3	1.9	3.7	2.3	3.6	2.5	2.8	1.9	9.2
14	4.4	5.5	3.8	4.7	4.9	4.7	5.0	4.9P	2.6	2.1	4.3	4.7	4.3	5.9	5.6	4.7	2.9	1.6	2.1	3.2	2.8	5.3	3.4	3.4	1.6	5.9
15	3.9	4.0	3.9	3.9	5.3	3.8	7.2	5.7P	2.9	8.1	9.0	4.3	2.2	1.6	2.1	1.6	0.8	0.9	1.4	2.4	3.2	4.0	4.6	4.9	0.8	9.0
16	4.5	4.5	4.8	4.7	4.7	5.2	5.5	5.0P	3.1	3.1	3.5	2.8	3.8	4.6	4.3	3.3	1.9	1.5	2.1	4.0	4.2	4.7	5.6	4.4	1.5	5.6
17	3.9	2.9	2.7	7.0	6.9	4.9	5.9	5.7P	3.9	4.8	5.5	5.4	6.5	6.8	4.1	4.9	4.0	3.8	2.1	1.5	2.4	2.1	2.9	2.5	1.5	7.0
18	2.8	3.0	3.5	3.5	3.6	3.8	4.5	4.5P	2.9	3.2	4.3	5.5	4.9	5.3	4.9	4.8	4.0	2.3	1.2	2.2	3.0	3.7	3.7	4.6	1.2	5.5
19	4.8	5.4	5.2	5.6	5.3	4.8	5.2	5.2P	3.1	2.8	2.7	5.8	5.6	4.8	4.3	2.9	2.0	2.6	3.5	3.0	2.8	3.0	4.1	4.6	2.0	5.8
20	5.1	5.4	5.4	5.5	5.1	6.3	5.8	5.4P	2.9	2.0	3.2	3.1	3.3	5.0	4.8	4.1	3.3	2.0	1.4	3.1	2.6	2.1	2.1	9980b	1.4	6.3
21	3.3	3.7	3.3	3.5	3.2	3.7	2.7	2.9P	3.4	6.3	7.0	6.2	5.5	5.9	5.5	5.5	4.5	3.8	2.2	1.2	1.4	1.6	2.1	2.6	1.2	7.0
22	2.5	2.3	2.5	2.5	2.3	2.1	1.4	1.7P	2.4	4.3	4.3	4.1	4.5	4.8	5.2	5.2	5.1	4.2	3.3	2.5	2.1	1.9	1.7	2.1	1.4	5.2
23	2.2	2.6	3.3	3.1	2.5	2.7	2.8	2.6P	2.1	2.1	2.2	2.8	4.4	4.4	3.8	4.0	3.3	2.1	1.7	1.8	1.8	1.9	2.1	2.0	1.7	4.4
24	2.1	2.3	2.4	2.3	2.9	4.2	3.5	3.0P	3.6	2.8	3.7	3.0	5.1	5.0	5.7	5.9	5.0	2.0	2.0	2.2	1.8	2.5	2.4	2.3	1.8	5.9
25	2.8	2.0	3.7	3.7	4.1	3.8	4.9	4.3P	2.2	3.1	2.8	3.7	4.4	5.0	5.1	5.3	4.2	2.4	0.8	1.6	2.3	3.6	2.8	4.3	0.8	5.3
26	4.5	3.5	4.1	6.3	5.1	3.3	4.4	4.5P	3.4	4.4	5.4	4.5	5.1	6.7	6.9	6.8	6.2	4.6	3.3	3.8	4.4	4.4	3.4	4.8	3.3	6.9
27	3.8	5.1	4.5	4.4	3.9	4.1	4.6	4.5P	3.8	5.8	6.6	7.3	8.2	6.7	6.5	7.5	6.2	4.9	2.1	3.9	3.6	3.7	4.2	4.4	2.1	8.2
28	5.2	4.4	5.3	3.9	3.7	3.8	4.2	4.2P	4.6	4.7	4.4	5.0	5.4	5.2	3.9	5.1	5.1	3.1	1.2	1.2	1.7	2.0	2.7	2.1	1.2	5.4
29	1.7	2.4	2.6	3.0	4.0	4.3	4.6	4.5P	3.1	1.6	3.2	4.3	4.4	5.0	5.5	5.0	4.7	2.8	1.5	1.8	2.1	2.9	3.7	4.5	1.5	5.5
30	4.4	4.3	4.1	4.6	4.8	5.0	4.4	3.7P	1.8	2.3	3.1	4.4	4.8	5.2	5.1	4.2	4.2	3.3	2.0	2.0	1.9	2.0	2.5	4.1	1.8	5.2
31	4.5	4.5	4.3	1.5	2.7	3.6	5.2	5.1P	2.9	2.5	2.7	4.5	4.3	5.1	5.5	4.5	4.7	2.8	1.3	1.2	1.1	2.3	2.6	4.0	1.1	5.5

| | | | | | | | | | | | | | | | | | | | | | | | Monthly: | | 3.7 | 0.6 | 9.2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | Ave | Min | Max |

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

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 02 Feb 2009 10:20

Wind Direction (HL11)

Station/Facility: HL11
Parameter: WD (DEG) Wind Direction
Month/Year: Jan 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	261	271	280	253	255	258	262	264P	261	248	115	149	115	70	48	69	108	154	182	246	255	266	302	277
02	286	267	228	255	254	255	248	261P	259	233	183	7	92	89	107	108	107	116	194	228	250	263	267	217
03	223	281	265	267	260	254	268	273P	264	272	185	256	273	149	119	258	257	250	257	261	262	265	259	262
04	220	260	277	246	254	265	248	250P	256	259	220	147	150	135	133	133	156	255	269	265	255	257	238	250
05	254	184	252	260	258	264	257	252P	258	249	170	163	149	136	132	151	148	172	260	262	258	255	256	247
06	259	258	253	257	254	251	250	256P	252	173	167	111	120	126	132	120	147	123	116	249	258	278	263	273
07	273	267	259	262	261	268	238	249P	264	271	352	104	63	55	60	68	60	290	267	269	264	263	267	267
08	266	264	265	288	218	265	253	249P	271	247	89	72	348	131	172	198	260	252	286	257	259	254	262	256
09	256	261	256	255	252	247	253	250P	247	156	141	130	121	116	115	125	99	108	221	256	264	223	224	9980b
10	237	251	249	241	230	254	247	246P	193	199	201	153	199	183	189	165	228	226	244	245	251	242	246	241
11	221	251	252	273	299	271	247	263P	256	82	65	136	193	172	124	89	47	16	333	276	267	274	278	274
12	281	281	265	272	266	260	260	260P	260	57	75	65	69	55	58	65	44	359	256	262	261	263	263	254
13	243	262	263	256	256	222	250	259P	311	83	65	43	8	10B	9978p	55	19	326	308	9980b	9980b	9980b	9980b	9980b
14	262	261	264	259P	261	260	261	263P	266	118	81	66	61	32	347	340	14	113	195	236	262	263	265	261
15	261	257	262	260	263	264	264	258P	220	105	23P	15	19	17	59	68	64	9	275	264	269	265	262	257
16	261	263	262	264	262	263	262	262P	252	143	117	100	38	51	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
17	269	244	354	36	24P	38	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b
18	285	282	280	281	283	279	273	267P	267	8	70	64	68	61	58	48	34	346	284	277	275	262	260	258
19	259	258	261	264	264	260	261	257P	258	215	128	99	107	113	118	131	135	179	241	250	253	259	263	262
20	261	260	260	262	261	265	264	265P	262	220	72P	80	60	62	59	65	66	38	274	263	263	272	255	264
21	330	315	318	327	321	319	310	313P	320	335	323	38P	64	68	62	49	25	19	303	276	274	265	254	279
22	271	264	285	279	277	280	285	291P	294	282	345	25	29	56	58	46	49	50	340	280	259	262	266	264
23	262	254	266	255	260	259	260	267P	267	266	272	218	309P	276	327	309	269	231	261	257	261	263	261	260
24	248	254	267	274	267	266	276	271P	273	291	70	73	92	89	93	108	93	229	270	267	251	264	262	261
25	260	260	265	260	262	246	267	260P	251	234	267	283	90	53	103	110	114	144	254	265	261	266	253	234
26	262	257	182	258	268	248	248	259P	254	210	130	164	165	134	135	131	138	185	242	266	263	273	261	260
27	261	254	257	252	261	254	250	251P	245	145	137	104	108	123	131	124	128	136	182	266	255	255	259	261
28	259	259	254	260	259	264	261	260P	254P	207	147	112	95	79	37	25	71	92	78	331	258	258	250	260
29	262	267	262	260	261	251	262	262P	253	207	86	54	49	44	54	62	69	34	264	265	261	258	258	258
30	262	262	262	264	262	259	258	259P	265	76	49	58	57	66	62	56	41	23	294	253	264	262	260	260
31	259	262	263	255	279	250	256	276P	270	292	59	83	74	50	63	63	26	92	235	259	263	271	268	263

Monthly Ave: 210

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

Report Template Nr 12, Wind Direction Matrix, Version 3.0
Report Printed: 02 Feb 2009 10:18

Wind Speed (HL11)

Station/Facility: HL11
Parameter: WS (MPH) Wind Speed
Month/Year: Jan 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	3.4	3.9	3.8	1.9	4.0	3.3	3.0	3.1P	2.8	1.4	2.7	3.5	2.9	3.5	3.1	4.1	4.1	2.6	2.6	2.7	3.0	2.2	2.5	2.2	1.4	4.1
02	2.8	2.8	2.3	3.4	2.5	2.0	2.7	2.6P	2.1	2.1	1.9	2.1	4.6	4.2	4.9	4.2	3.2	2.3	2.4	1.8	1.6	2.4	2.3	2.1	1.6	4.9
03	1.4	4.9	3.9	3.0	3.0	3.5	2.4	4.3P	3.1	2.2	2.8	3.7	4.3	2.5	2.5	3.0	1.8	2.0	2.5	2.9	2.9	2.8	2.9	2.9	1.4	4.9
04	2.9	3.8	3.1	2.4	3.1	3.3	2.3	2.9P	2.7	2.4	2.5	3.1	4.0	3.9	3.3	3.7	2.7	2.3	2.5	2.9	4.0	4.8	4.4	4.6	2.3	4.8
05	4.6	2.3	3.8	3.8	3.5	2.9	3.4	3.5P	3.9	2.8	3.3	3.7	4.1	4.3	5.2	4.0	3.6	1.8	2.4	2.8	2.7	3.2	2.2	1.7	1.7	5.2
06	1.6	2.6	2.3	2.7	3.5	3.9	4.2	3.7P	2.8	1.7	3.5	5.2	5.3	5.3	5.3	5.7	2.9	2.2	1.5	3.0	3.3	4.4	2.6	2.8	1.5	5.7
07	3.1	2.7	2.7	2.4	2.9	1.5	1.8	3.1P	3.3	3.8	1.9	2.8	3.8	4.0	4.8	4.9	3.6	2.5	2.0	2.8	2.3	2.7	2.8	2.9	1.5	4.9
08	2.4	2.0	3.3	1.8	1.9	3.8	3.1	2.5P	3.4	2.5	3.0	3.0	2.1	2.8	3.2	2.0	2.1	1.7	2.5	2.1	2.6	2.7	2.9	3.0	1.7	3.8
09	3.1	2.9	3.0	4.4	4.0	4.4	4.3	4.8P	3.4	2.6	4.0	4.4	5.2	5.4	5.8	5.0	4.6	3.0	1.1	2.0	2.3	2.3	1.5	9980b	1.1	5.8
10	2.5	3.1	1.8	2.8	2.2	2.9	2.3	2.4P	2.3	3.1	3.5	4.3	2.4	3.0	2.1	1.8	0.8	1.7	1.6	1.6	2.0	2.0	2.1	1.4	0.8	4.3
11	1.5	1.7	2.3	2.1	2.2	1.2	1.6	2.3P	1.7	2.0	3.4	3.0	4.2	5.3	3.8	2.1	2.0	1.7	2.1	2.7	2.6	3.6	3.9	3.7	1.2	5.3
12	5.4	4.3	3.3	4.1	3.5	3.8	3.9	3.7P	2.5	2.6	4.1	5.1	5.0	4.4	4.5	4.0	2.3	1.1	1.4	1.6	2.1	2.0	2.7	3.6	1.1	5.4
13	3.2	3.1	3.0	2.4	3.1	3.3	4.3	3.9P	1.5	2.2	2.5	3.2	3.8	9980b	9978p	3.5	2.7	3.7	4.2+	9980b	9980b	9980b	9980b	9980b	1.5	4.3
14	2.2	2.4	2.5	2.9P	3.0	3.3	3.2	3.2P	2.1	1.9	2.7	3.5	4.1	4.8	7.4	5.5	2.5	1.5	1.3	0.9	1.9	2.6	3.0	3.0	0.9	7.4
15	3.1	3.1	3.0	3.0	3.2	3.3	2.4	2.5P	1.4	2.3	4.3P	4.9	4.4	3.2	4.5	4.4	3.0	1.8	1.6	2.3	2.9	2.8	3.0	2.9	1.4	4.9
16	3.1	2.8	3.1	3.1	3.0	3.2	3.4	3.7P	2.4	2.4	3.4	3.7	4.2	4.7	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	2.4	4.7
17	3.6	1.7	1.4	3.5	3.1P	3.2	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	9980b	1.4	3.6
18	5.0	4.3	4.7	5.3	5.7	5.8	4.5	4.1P	2.7	2.6	4.3	5.1	5.4	5.6	5.0	3.5	2.4	2.0	3.7	5.0	4.6	3.7	4.1	3.9	2.0	5.8
19	4.0	4.2	3.7	3.4	3.7	3.7	3.8	3.8P	3.5	2.7	4.2	4.9	5.2	4.5	3.8	4.0	3.0	1.5	2.9	2.7	2.7	2.4	2.3	2.7	1.5	5.2
20	3.4	3.5	3.8	3.6	3.9	3.9	4.0	3.5P	2.5	1.6	3.9P	4.3	4.6	5.4	4.7	4.1	4.2	2.1	1.8	2.6	2.9	2.9	2.5	3.3	1.6	5.4
21	3.5	4.4	3.8	4.8	6.8	6.5	5.9	5.7P	6.4	5.9	7.1	5.8P	6.8	6.2	5.8	4.1	3.1	2.3	2.9	3.5	3.1	3.0	2.6	3.9	2.3	7.1
22	3.0	2.4	2.2	3.7	4.1	3.2	3.8	3.7P	3.4	3.6	3.8	4.3	3.7	4.8	5.1	3.7	3.8	3.2	2.3	3.7	2.7	3.4	3.6	3.1	2.2	5.1
23	3.0	3.1	3.8	3.5	3.0	3.1	4.0	3.4P	3.0	2.5	1.9	1.8	2.3P	1.5	1.7	1.9	2.6	1.7	2.1	2.7	2.6	2.9	2.9	2.9	1.5	4.0
24	3.0	3.4	2.8	3.5	3.4	3.0	2.3	3.7P	3.9	3.4	3.8	2.5	5.1	3.9	4.7	4.2	4.0	2.4	2.3	2.3	2.8	2.8	3.0	3.1	2.3	5.1
25	3.4	3.7	3.3	3.4	3.6	3.8	4.8	3.5P	2.4	2.2	3.7	3.3	4.1	2.1	3.6	3.4	3.3	1.6	1.9	2.3	2.7	2.9	2.7	2.9	1.6	4.8
26	4.1	3.7	3.4	5.8	4.9	3.5	3.3	3.7P	2.6	3.0	5.3	4.5	4.7	5.5	5.7	5.5	3.8	2.3	1.7	2.2	2.2	2.4	3.0	3.0	1.7	5.8
27	3.5	3.8	3.7	3.8	3.6	4.3	4.1	4.2P	2.5	3.4	3.5	4.7	6.4	6.0	6.7	5.5	5.2	2.8	1.0	2.0	2.4	2.4	2.7	2.6	1.0	6.7
28	2.4	3.0	3.4	3.3	3.6	3.3	3.6	3.9P	3.0P	2.1	3.3	3.8	4.9	5.6	3.7	3.1	3.0	3.1	1.9	1.0	1.5	2.1	2.4	2.2	1.0	5.6
29	1.9	2.1	2.5	3.1	3.3	4.0	3.8	3.2P	2.6	1.4	1.8	3.4	4.3	4.5	4.6	5.3	4.4	2.1	1.8	2.3	2.3	2.8	3.2	3.9	1.4	5.3
30	3.5	3.6	3.5	3.6	3.6	4.0	4.1	3.8P	2.2	2.5	2.9	4.7	5.1	5.6	5.9	5.2	4.0	2.2	1.7	2.4	2.2	2.1	3.0	3.1	1.7	5.9
31	3.9	4.0	3.4	2.5	2.5	3.1	4.5	5.7P	3.6	3.9	1.7	2.9	4.2	3.7	4.9	4.2	1.8	1.3	1.4	1.9	1.9	3.1	2.7	2.6	1.3	5.7

Monthly: 3.2 Ave | 0.8 Min | 7.4 Max

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

Wind Direction (KN12)

Station/Facility: KN12
Parameter: WD (DEG) Wind Direction
Month/Year: Jan 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	9978p	9978p	9978p	9978p	9978p	9978p	9978p	71	86	261	226	184	341	303	311	286	280	305	40	91	90	82	79	74
02	72	57	73	69	105	90	102	107	133	235	288	289	310	325	346	337	316	137	80	90	82	73	61	72
03	69	70	81	70	87	71	71	72	74	32	300	257	252	262	248	255	272	295	21	39	57	75	66	76
04	77	81	77	83	73	73	81	70	26	325	291	280	306	291	321	294	306	278	226	187	138	148	47	55
05	67	68	58	49	31	57	54	48	11	321	306	286	279	271	256	290	303	292	216	355	48	46	47	53
06	71	73	73	79	85	81	80	79	84	213	255	267	294	285	298	313	318	327	24	75	79	80	77	75
07	73	71	67	78	81	76	77	74	63	281	255	279	279	265	267	298	298	313	1	34	52	68	86	86
08	85	73	68	72	70	71	68	69	61	248	294	274	290	298	301	297	279	295	351	37	36	60	63	60
09	71	71	72	73	73	72	81	82P	98	198	223	252	268	280	286	280	284	292	316	18	37	56	82	72
10	73	77	83	74	79	78	72	69P	46	340	320	302	300	309	290	272	262	259	233	115	72	79	77	71
11	73	70	67	69	59	82	87	97	167	345	21	77	82	324	232	201	272	7	59	62	66	61	68	69
12	65	75	87	88	82	71	77	74	83	262	236	268	269	270	271	261	277	287	126	82	80	77	79	78
13	72	75	85	72	71	82	81	77	77	239	251	264	263	256	255	264	244	240	307	69	83	72	57	29
14	69	64	82	77	73	73	73	75	106	202	207	211	220	197	205	210	215	203	175	176	159	74	89	91
15	110	100	80	89	122	123	113	103	106	145	101	162	195	155	231	238	167	141	99	81	81	82	88	80
16	88	84	74	84	83	82	84	86	115	150	193	207	219	209	192	201	210	215	151	107	125	114	128	128
17	164	117	14	357	3	16	20	12	350	348	328	325	304	308	297	311	307	297	92	80	76	74	74	77
18	75	72	81	82	79	79	82	82	100	192	196	270	279	266	276	286	275	259	102	84	84	79	73	73
19	74	77	73	72	71	71	76	77	79	190	295	282	267	261	266	285	308	313	7	49	69	70	70	70
20	73	72	70	74	72	70	68	68	19	346	314	314	315	316	306	314	313	318	358	268	122	89	86	78
21	76	67	72	73	75	59	66	74P	79	230	221	208	228	209P	252	275	271	279P	44	84	75	80	86	79
22	75	81	92	82	74	74	77	77	106	209	293	249	262P	265	268	261	263	310	84	86	86	73	80	68
23	70	73	74	77	76	75	75	75	73	275	263	279	284	274	299	311	312	341	42	82	73	73	69	69
24	73	81	74	73	73	74	73	73	70	271	266	267	270	267	287	313	10	16	45	45	53	68	83	84
25	81	78	65	72	74	70	69	71	52	265	254	263	275	271	283	297	281	340	61	66	59	9978p	9978p	9978p
26	9978p	9978p	9978p	9978p	9978p	9978p	9978p	83	101	138	181	277	310	314	322	333	336	320	15	35	50	67	90	92
27	95	85	73	68	52	70	74	77	98	211	277	274	290	272	291	311	311	324	10	57	79	90	93	90
28	74	77	73	73	70	76	75	75	91	231	220	246	259	258	284	291	315	321	348	27	48	68	70	67
29	45	73	90	70	73	82	66	63	102	252	268	264	268P	268P	287P	309D	323D	33P	172	45	42	31	26	61
30	75	75	72	80	75	79	86	84	119	208D	246D	264D	257	261	265	267	305	350	40	69	79	100	107	111
31	76	68	44	59	78	83	77	79	70	280	275	255	242	268	216	205	197	253	334	44	63	66	73	72

Monthly Ave: 151

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

Report Template Nr 12, Wind Direction Matrix, Version 3.0
Report Printed: 02 Feb 2009 10:18

Wind Speed (KN12)

Station/Facility: KN12
Parameter: WS (MPH) Wind Speed
Month/Year: Jan 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	9978p	9978p	9978p	9978p	9978p	9978p	9978p	4.4	0.7	0.1	0.8	0.8	2.1	4.5	2.4	1.5	2.6	2.0	0.1	0.7	1.3	0.8	1.2	2.5	0.1	4.5
02	4.5	1.5	3.1	1.6	3.2	2.6	3.7	2.3	0.6	1.0	1.7	3.6	3.5	2.2	1.1	0.8	0.5	0.1	0.9	2.9	2.6	2.2	1.6	1.5	0.1	4.5
03	0.5	1.5	3.3	3.2	3.8	3.4	3.7	3.0	1.3	0.2	2.1	0.4	0.8	1.2	0.4	1.4	0.2	0.3	0.1	0.5	1.3	2.4	1.5	1.8	0.1	3.8
04	3.1	4.3	3.1	4.7	4.9	4.6	5.0	4.0	0.5	0.1	0.9	0.9	2.6	2.9	2.3	4.2	1.7	0.7	0.1	0.1	0.1	0.1	0.1	0.6	0.1	5.0
05	3.2	3.7	2.1	1.6	2.1	3.1	1.3	1.5	1.3	2.8	2.7	4.5	3.8	2.8	1.3	0.2	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.5
06	1.7	1.4	3.3	5.2	6.0	4.5	4.5	4.0	0.8	0.1	2.0	2.4	4.2	5.5	5.1	5.8	4.6	2.6	0.1	2.0	4.7	4.6	4.0	4.5	0.1	6.0
07	6.5	3.9	2.7	3.4	4.9	3.5	3.5	3.0	0.4	0.6	1.1	3.4	3.6	3.3	4.1	3.7	1.9	0.7	0.1	0.1	0.1	0.1	1.0	1.5	0.1	6.5
08	1.7	2.0	1.7	2.7	4.5	6.3	4.1	4.0	0.5	0.6	2.2	2.3	2.4	1.1	1.8	1.7	0.6	0.1	0.1	0.1	0.1	0.2	0.1	1.3	0.1	6.3
09	1.9	2.0	2.6	4.7	4.9	6.1	4.2	4.8P	1.7	0.5	1.8	2.3	3.0	3.2	2.9	3.5	3.4	2.2	0.3	0.1	0.1	0.3	1.9	2.5	0.1	6.1
10	4.0	3.7	4.9	3.0	4.5	3.7	2.7	2.2P	0.4	1.4	3.2	4.7	5.6	5.0	5.5	4.7	3.6	2.7	0.3	0.1	0.6	2.4	3.2	4.3	0.1	5.6
11	5.9	2.1	2.9	4.2	2.0	2.3	2.4	2.0	0.3	7.4	6.2	14.0	14.0	3.9	3.6	2.2	0.3	0.2	0.9	1.3	1.2	2.0	5.9	7.5	0.2	14.0
12	2.4	2.4	4.5	4.4	4.5	2.4	2.8	2.4	0.8	0.1	0.9	2.3	3.9	3.4	2.9	1.7	1.8	0.3	0.1	0.4	2.3	1.8	3.4	3.6	0.1	4.5
13	1.8	2.9	4.7	4.1	2.7	4.5	4.6	3.7	1.1	0.2	1.4	1.5	2.5	2.9	2.7	1.9	1.4	0.9	0.1	0.1	1.0	0.6	0.5	0.3	0.1	4.7
14	1.0	1.4	3.1	3.0	2.3	3.2	2.1	2.3	0.7	0.7	1.4	1.9	0.9	1.3	3.5	4.0	3.8	3.7	1.8	1.9	0.7	1.0	3.4	2.4	0.7	4.0
15	0.4	0.6	1.4	4.6	1.4	0.5	1.0	2.5	2.5	1.5	4.5	1.9	1.8	1.5	2.0	0.4	0.3	0.4	2.4	2.6	4.5	5.1	5.8	4.7	0.3	5.8
16	6.7	3.5	2.7	5.3	5.1	5.7	6.3	6.5	1.4	0.2	1.0	1.9	4.4	2.4	4.9	4.9	3.7	3.0	0.8	3.3	2.0	1.6	0.7	1.5	0.2	6.7
17	0.9	1.5	1.9	2.8	1.7	1.9	2.1	2.1	2.2	2.5	5.3	5.0	5.8	6.5	5.3	6.8	5.8	1.3	1.3	3.1	3.9	5.3	4.5	4.5	0.9	6.8
18	5.2	4.3	6.3	6.0	5.1	5.9	6.6	6.0	2.3	0.6	1.2	3.4	4.1	3.7	3.1	2.6	0.6	0.6	0.2	2.0	3.7	4.3	3.5	5.0	0.2	6.6
19	3.8	4.2	3.2	3.5	4.8	3.4	4.1	4.3	0.8	0.4	1.3	3.3	3.9	3.9	4.2	2.7	0.6	0.4	0.1	0.1	0.1	2.7	4.5	5.2	0.1	5.2
20	6.4	6.5	7.0	9.2	9.0	7.9	7.8	7.9	2.7	2.2	4.1	7.0	6.3	8.0	8.2	7.7	7.3	5.9	1.6	1.7	2.2	5.8	6.2	5.8	1.6	9.2
21	6.4	4.9	7.3	7.9	9.7	8.0	6.0	6.7P	5.4	3.3	3.5	4.8	5.7	6.1P	5.5	4.6	3.2	3.1P	2.7	4.3	4.6	5.4	4.0	5.1	2.7	9.7
22	4.6	5.8	5.1	5.4	4.8	4.1	5.2	4.6	2.7	2.3	2.7	4.4	5.5P	5.0	5.7	5.4	3.0	2.6	4.0	5.5	6.6	5.8	7.1	4.8	2.3	7.1
23	6.3	6.0	6.1	6.7	6.0	6.3	6.3	6.2	4.3	1.8	4.3	5.3	6.1	5.7	4.7	4.1	3.3	1.5	0.2	3.5	4.6	4.5	4.0	4.6	0.2	6.7
24	6.9	5.3	6.2	7.0	8.9	7.9	7.2	6.3	2.5	2.7	4.5	3.9	5.5	5.4	5.0	4.2	1.0	0.5	1.2	2.1	2.0	1.9	4.5	4.3	0.5	8.9
25	3.4	3.8	2.6	3.0	5.8	6.2	6.7	6.5	4.4	3.5	2.8	4.6	3.7	4.6	4.2	4.0	2.1	1.4	2.4	3.7	3.6	9978p	9978p	9978p	1.4	6.7
26	9978p	9978p	9978p	9978p	9978p	9978p	9978p	3.6	4.1	3.6	4.7	5.5	6.2	7.1	6.5	4.8	2.9	3.3	3.0	2.6	2.7	4.1	3.4	6.1	2.6	7.1
27	5.8	4.7	4.6	4.9	4.1	4.0	6.7	6.3	3.6	2.1	3.5	4.6	6.6	6.5	6.7	6.3	6.0	4.4	2.0	2.4	6.0	6.6	6.7	7.3	2.0	7.3
28	5.3	6.0	5.6	5.1	6.1	6.2	5.5	5.3	2.2	2.0	4.0	5.2	5.0	4.4	4.7	6.8	4.6	5.0	2.3	0.7	1.0	1.7	0.8	3.8	0.7	6.8
29	2.5	2.5	3.2	2.9	4.8	5.3	4.3	4.6	2.1	1.6	4.4	4.8	4.5P	4.8P	8.2P	2.4D	9979d	1.6P	0.3	1.5	1.7	1.5	2.6	3.3	0.3	8.2
30	5.2	4.1	4.5	5.3	4.8	4.7	7.3	6.7	3.7	9979d	9979d	5.4D	4.4	5.7	5.7	6.5	4.8	2.0	1.9	1.8	2.8	4.2	4.1	3.3	1.8	7.3
31	2.0	2.3	3.6	2.4	3.4	4.9	4.6	4.9	2.8	1.6	3.5	4.9	5.8	4.8	4.6	2.3	2.1	2.8	0.8	1.3	2.5	2.5	4.8	5.6	0.8	5.8

		Monthly:	3.3	0.1	14.0
			Ave	Min	Max

Flags:
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 (PE10)

Station/Facility: PE10
Parameter: WS (MPH) Wind Speed
Month/Year: Jan 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	4.0	3.7	2.0	1.3	1.4	0.6	0.7	1.2	1.1	2.2	2.9	2.4	3.4	4.1	4.5	1.9	1.8	2.4	3.2	1.3	2.8	3.1	5.1	0.6	5.1
02	4.0	3.3	3.8	4.1	3.0	4.0	2.4	2.9	3.3	4.8	5.4	5.4	5.7	4.5	4.3	5.2	3.5	2.9	3.1	1.7	1.9	1.9	3.1	2.6	1.7	5.7
03	2.5	2.2	1.9	2.3	1.9	2.2	2.5	2.9	3.1	3.9	4.0	5.2	3.6	2.7	2.9	4.1	4.1	3.8	3.6	3.8	2.4	0.6	0.8	1.5	0.6	5.2
04	1.9	2.9	2.5	3.2	4.1	5.0	5.8	4.9	5.5	4.6	6.5	6.2	6.5	6.3	5.7	5.2	3.5	2.5	2.1	1.0	0.8	0.8	0.9	1.7	0.8	6.5
05	1.8	1.4	1.8	1.4	1.5	1.2	1.5	1.8	1.6	3.6	4.8	4.6	2.8	5.0	3.2	3.1	2.3	2.1	1.0	0.7	1.3	1.1	1.6	1.9	0.7	5.0
06	1.3	1.2	0.6	0.9	1.0	1.1	1.3	1.4	2.0	2.4	2.8	3.6	3.5	4.2p	3.5	2.7	3.1	1.5	1.1	1.2	1.3	1.3	2.0	2.5	0.6	4.2
07	4.0	3.6	4.1	3.8	3.6	2.3	1.9	2.9	3.7	3.5	3.3	4.0	5.4	4.5	4.5	4.7	4.2	3.6	2.1	2.7	2.6	2.2	2.0	2.4	1.9	5.4
08	2.7	3.0	3.0	2.6	3.6	3.4	4.1	3.6	3.0	2.9	3.7	4.2	4.0	3.3	4.8	4.3p	2.8	1.7	0.7	0.6	1.3	1.7	1.9	1.3	0.6	4.8
09	0.7	0.7	1.0	0.7	0.8	0.5	0.4	0.7	1.2	2.3	3.6	3.8	2.3	3.9	3.9	3.6	2.9	1.8	1.4	0.6	1.5	1.7	3.2	1.0	0.4	3.9
10	1.0	1.2	1.4	2.5	2.0	2.5	3.1	3.2	3.5	3.2	3.9	5.0	3.8	3.2	5.4	4.6	3.7	3.4	1.8	1.1	1.2	1.8	2.1	2.7	1.0	5.4
11	2.8	2.2	2.1	1.8	1.0	1.0	1.1	1.1	0.9	1.3	2.0	3.6	2.7	2.1	3.5	2.1	1.7	0.8	1.0	0.8	1.6	0.9	0.6	2.0	0.6	3.6
12	2.8	5.9	6.3	5.8	4.7	4.3	3.5	3.4	3.6	5.6	5.2	4.8	4.6	3.9	3.6	3.4	3.4	2.4	1.6	1.6	1.4	1.5	0.7	0.5	0.5	6.3
13	0.7	0.4	0.4	0.4	0.5	0.3	0.4	0.5	0.9	2.1	3.2	3.7	4.0	3.4	3.4	3.2	3.1	2.3	2.1	1.4	1.5	1.5	1.7	1.3	0.3	4.0
14	0.5	1.1	0.3	0.4	0.8	1.3	0.6	0.4	0.4	1.8	1.9	2.7	4.0	4.0	3.9	3.5	3.3	2.8	2.9	2.6	2.8	2.7	3.2	3.4	0.3	4.0
15	3.3	3.0	2.6	2.1	2.7	3.1	4.1	4.1	3.6	4.5	5.1	3.9	3.4	3.4	3.4	2.5	2.5	1.5	0.5	1.9	6.0	5.4	2.8	0.9	0.5	6.0
16	3.1	3.7	2.1	1.8	2.7	2.6	2.0	1.3	0.9	1.9	2.0	2.4	2.9	2.9	3.3	3.6	4.2	9978p	9978p	2.7	2.2	2.0	3.1	4.4	0.9	4.4
17	3.4	2.5	6.0	9.0	11.8	10.3	11.6	10.0	10.0	9.9	10.8	9.8	8.9	9.2	9.1	8.8	9.3	8.4	7.0	7.9	7.1	6.7	6.6	6.5	2.5	11.8
18	6.4	6.2	6.2	5.8	5.6	5.4	5.3	4.0	4.6	4.4	4.8	5.2	5.0	5.4	6.0	5.2	4.1	3.9	3.1	2.6	2.3	2.8	2.6	2.8	2.3	6.4
19	2.9	2.5	2.7	2.8	1.2	1.5	1.4	1.3	1.3	2.8	2.9	4.2	5.5	5.5	4.8	4.1	3.5	3.2	1.7	0.5	0.7	0.9	0.9	0.6	0.5	5.5
20	0.9	0.8	0.9	0.9	0.7	0.8	0.4	0.8	0.9	2.4	3.1	4.0	4.2	4.7	5.4	4.9	4.5	3.5	3.5	3.0	2.0	2.2	2.0	2.8	0.4	5.4
21	3.7	4.9	5.6	5.9	6.1	6.9	6.5	5.5	8.4	7.3	7.2	7.5	7.5	6.8	7.0	7.0	6.8	5.7	4.8	4.8	3.3	3.7	4.3	3.8	3.3	8.4
22	4.5	5.1	4.6	4.6	4.3	4.6	3.0	3.4	4.6	5.2	6.2	6.6	7.0	6.6	6.7	6.7	5.7	5.4	4.4	5.3	4.6	4.5	4.1	4.4	3.0	7.0
23	3.9	2.9	3.2	3.5	3.9	4.0	3.4	3.4	3.6	3.7	4.3	4.9	5.6	5.4	6.2	5.4	4.8	4.2	2.6	2.8	3.0	3.1	3.2	2.7	2.6	6.2
24	3.3	3.5	3.3	2.3	2.9	3.7	2.8	3.0	3.7	3.5	3.3	4.7	5.2	5.6	5.1	5.4	2.8	2.3	1.3	1.3	1.5	1.7	2.2	1.7	1.3	5.6
25	2.7	2.7	3.5	3.9	3.7	3.2	2.2	3.3	3.7	3.8	3.4	4.4	5.6	5.7	5.8	4.9	4.9	2.5	1.3	0.7	1.1	2.2	1.6	1.8	0.7	5.8
26	2.8	2.3	2.9	1.6	1.0	1.4	0.9	0.7	2.7	3.3	2.1	2.5	3.7	4.8	3.3	3.3	2.2	0.6	0.6	0.7	0.8	1.2	0.9	0.3	0.3	4.8
27	0.6	0.4	0.6	1.2	1.5	1.6	0.6	1.2	0.8	3.4	5.0	4.5	5.0	4.7	4.2	4.9	4.1	2.8	1.3	1.4	0.6	0.7	0.5	0.5	0.4	5.0
28	0.4	0.3	0.6	1.5	0.9	0.4	0.4	0.7	0.7	1.4	3.9	3.4	3.2	4.3	4.2	4.5	3.4	2.3	0.5	0.4	1.2	1.1	0.8	0.9	0.3	4.5
29	1.0	1.0	0.8	1.5	1.0	0.9	0.7	0.6	0.7	2.8	3.4	3.9	4.4	4.6	4.7	4.4	3.4	3.3	1.3	0.5	0.8	0.7	1.5	0.9	0.5	4.7
30	1.8	2.3	2.5	3.0	2.6	2.7	2.9	3.8	4.3	3.7	4.7	4.4	4.7	5.2	5.2	5.0	3.1	3.4	3.0	2.1	1.8	1.7	2.2	2.0	1.7	5.2
31	3.0	3.6	3.8	3.3	4.3	3.8	3.4	2.8	2.4	3.2	3.9	4.5	4.4	5.1	4.9	3.9	3.5	2.5	1.5	1.2	1.1	1.0	1.4	1.6	1.0	5.1

Monthly:	3.1	0.3	11.8
	Ave	Min	Max

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

Report Template Nr 3, Monthly Data Matrix, Version 3.4
Report Printed: 02 Feb 2009 10:21

Wind Direction (PE10)

Station/Facility: PE10
Parameter: WD (DEG) Wind Direction
Month/Year: Jan 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	128	121	124	127	170	171	61	225	184	194	177	175	146	108	106	123	140	136	137	129	152	122	145	111
02	117	129	120	105	88	107	95	96	94	93	98	98	95	86	99	98	74	79	85	325	77	19	20	359
03	22	37	2	339	336	9	44	43	59	21	31	85	50	24	80	96	99	97	84	89	66	1	257	334
04	331	318	23	61	101	107	103	103	108	104	107	105	107	111	108	109	85	41	37	345	287	264	272	310
05	9	261	21	311	336	305	345	68	65	93	94	92	92	116	161	130	145	128	53	285	7	311	316	350
06	322	306	276	288	297	303	314	328	331	342	349	88	83	119P	118	130	107	161	294	339	352	347	344	333
07	327	328	324	323	327	346	325	19	336	332	347	35	48	46	57	53	55	62	9	24	5	345	6	39
08	30	11	5	319	311	326	323	317	327	347	52	97	90	89	106	105P	93	87	292	262	87	100	100	92
09	266	261	270	271	272	261	263	251	179	167	136	139	167	140	124	133	108	128	124	196	194	129	131	203
10	186	180	170	133	139	134	148	153	151	157	151	143	143	166	137	142	146	131	121	136	125	137	145	140
11	160	163	170	185	178	230	242	213	190	206	182	349	333	119	158	171	150	194	173	229	204	215	270	249
12	279	305	308	305	302	301	303	301	296	318	342	5	11	19	27	21	13	16	6	4	0	318	267	238
13	173	198	211	214	226	201	227	245	215	180	170	164	174	185	182	184	190	196	199	214	209	218	230	270
14	234	238	224	233	229	248	241	254	234	175	188	186	169	183	192	205	201	197	203	210	210	212	211	206
15	213	225	224	221	209	207	208	210	209	208	209	214	216	226	225	222	224	201	222	317	309	299	296	281
16	320	303	299	324	309	296	303	288	272	157	113	142	192	208	214	234	221	9978p	9978p	217	219	220	213	236
17	269	319	2	333	327	330	333	334	337	340	339	343	338	332	334	333	334	331	341	334	332	332	331	331
18	327	320	319	319	318	318	323	323	321	342	8	26	24	25	23	19	15	13	5	1	336	327	330	324
19	317	303	296	309	291	289	293	275	307	1	63	86	106	111	105	114	113	119	129	236	230	260	249	256
20	257	277	261	255	259	270	276	286	280	321	6	38	3	20	19	360	16	8	349	351	340	333	340	340
21	340	344	7	16	357	352	350	336	326	7	9	10	9	17	13	13	19	15	10	11	12	18	25	21
22	343	328	326	328	358	339	357	348	346	26	29	26	21	16	8	20	16	12	358	9	11	26	25	26
23	33	9	9	33	5	31	20	29	17	32	83	82	76	87	86	88	88	85	73	68	44	47	41	24
24	34	38	24	356	349	323	302	321	311	314	327	58	75	84	89	99	77	83	314	344	331	342	347	325
25	326	342	326	318	323	313	335	4	314	330	14	59	89	90	95	78	97	75	36	316	255	339	305	295
26	341	319	293	307	312	301	271	262	134	127	273	157	147	149	160	159	182	214	213	202	232	142	167	246
27	189	239	279	268	114	170	193	162	169	144	138	150	151	163	165	154	155	170	185	179	205	196	207	211
28	215	190	211	155	183	250	231	246	219	187	159	164	168	148	153	128	133	131	222	275	254	258	241	258
29	259	271	296	309	313	310	261	280	288	45	78	91	102	103	99	72	44	62	27	295	272	302	331	314
30	308	307	317	308	317	320	326	317	318	334	9	19	50	56	64	59	82	52	27	3	340	327	324	322
31	312	314	317	311	309	299	319	325	314	29	37	46	63	71	69	80	77	66	357	342	315	289	310	333

Monthly Ave: 186

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

Report Template Nr 12, Wind Direction Matrix, Version 3.0
Report Printed: 02 Feb 2009 10:19