

## Daily Summary Report

Site: ORNL Sodar

1/11/2019

Interval: 015m

	04_WS060m	05_WDir060m	06_WS100m	07_WDir100m	08_WS140m	09_WDir140m	10_WS180m	11_WDir180m	12_WS240m
Hour	M/SEC	DEG	M/SEC	DEG	KPH	DEG	M/SEC	DEG	M/SEC
00:00	.9	44.8	2.0	35.4	4.1	30.4	5.0	33.2	6.8
00:15	1.3	58.4	2.3	47.4	4.4	38.7	5.3	40.2	7.3
00:30	1.7	54.3	3.0	40.6	4.9	42.6	6.3	42.0	8.2
00:45	1.6	50.3	3.0	32.0	4.8	37.3	6.3	40.5	8.2
01:00	1.9	23.6	2.9	27.0	4.3	30.5	5.7	36.6	7.7
01:15	2.4	15.7	3.0	21.8	4.6	27.7	5.9	32.7	7.7
01:30	1.0	39.6	2.4	26.3	4.4	30.3	6.0	33.4	7.3
01:45	.9	48.2	1.9	41.8	3.9	35.6	5.7	40.4	7.0
02:00	1.9	71.0	3.6	55.5	4.5	54.9	6.3	50.1	8.0
02:15	4.5	71.8	5.3	44.0	5.5	55.2	7.1	49.6	9.1
02:30	3.3	46.5	4.2	42.9	6.1	45.8	7.8	45.7	9.9
02:45	2.7	60.5	6.2	43.1	6.8	43.6	8.5	45.8	10.5
03:00	3.0	58.0	7.3	63.9	6.8	46.6	8.3	48.6	10.2
03:15	3.0	53.0	4.9	50.3	6.1	43.1	7.5	46.3	9.3
03:30	2.3	60.0	3.0	50.7	5.4	43.0	6.8	45.5	8.7
03:45	2.3	62.0	2.9	57.6	5.5	49.5	6.8	48.9	8.5
04:00	1.5	64.8	2.9	49.0	5.2	45.8	6.7	48.2	8.2
04:15	1.1	59.3	2.7	46.6	4.1	41.4	5.5	44.2	7.0
04:30	1.2	43.3	2.4	55.3	4.0	39.6	5.1	42.0	6.1
04:45	1.2	57.0	2.7	58.3	4.4	46.3	5.3	45.3	6.5
05:00	1.5	68.4	2.8	52.7	4.5	53.0	5.7	49.4	7.1
05:15	1.6	61.8	2.2	50.3	4.0	50.1	5.5	47.8	7.1
05:30	1.6	61.5	2.1	46.1	4.2	48.6	5.4	49.0	7.1
05:45	2.0	71.2	2.9	52.9	4.9	53.5	6.1	53.8	7.7
06:00	2.0	67.0	3.8	61.1	5.3	61.6	6.6	56.5	7.9
06:15	1.7	66.0	3.4	59.9	5.3	63.1	6.8	61.0	8.4
06:30	2.2	74.1	3.3	62.8	5.3	63.4	6.7	62.4	8.7
06:45	2.5	75.6	3.5	65.0	5.4	66.5	6.8	62.6	8.2
07:00	2.1	72.8	3.1	66.7	4.9	67.2	6.8	68.1	7.8
07:15	1.6	63.1	2.5	65.5	4.2	60.0	6.6	67.8	7.7
07:30	1.5	59.2	2.0	62.2	4.0	58.7	6.4	66.5	7.4
07:45	1.6	62.9	2.3	66.0	3.8	65.6	6.0	68.5	6.8
08:00	1.1	56.6	2.1	70.7	3.8	68.5	5.5	68.9	7.0
08:15	1.0	58.6	1.7	69.1	3.8	68.8	5.9	72.6	7.6
08:30	1.0	53.8	1.4	56.5	3.1	60.5	5.6	65.5	7.5
08:45	.9	43.1	1.1	46.3	2.6	54.5	4.7	57.2	6.8
09:00	.7	33.4	.7	64.2	2.1	56.9	4.1	68.0	5.5
09:15	.9	20.9	1.0	80.0	2.1	54.0	3.6	67.9	5.2
09:30	1.7	53.4	2.3	75.1	2.6	65.0	3.6	65.8	5.1
09:45	2.5	74.0	3.0	72.7	2.8	63.9	3.5	69.2	4.5
10:00	1.8	82.4	2.3	63.0	2.7	63.2	3.2	78.4	4.2
10:15	1.8	74.3	2.5	63.5	2.9	67.0	3.1	77.2	3.7
10:30	3.5	80.7	2.5	68.5	3.1	71.8	3.4	77.5	3.2
10:45	3.4	77.6	1.6	64.1	2.3	76.6	3.1	81.6	3.1
11:00	2.3	64.4	1.4	62.0	1.8	70.0	2.0	76.8	3.2
11:15	2.4	76.0	1.7	67.7	2.1	60.0	1.7	70.2	3.3
11:30	2.9	88.9	1.9	81.1	2.2	72.2	2.3	77.1	3.2
11:45	3.4	90.1	2.7	88.6	2.5	86.6	2.8	83.3	2.7
12:00	2.6	83.1	2.5	79.5	2.1	89.5	2.6	80.2	2.6
12:15	1.7	91.5	2.0	89.9	1.9	94.2	2.3	81.0	2.3
12:30	1.3	99.2	1.2	122.8	1.6	83.8	1.5	85.6	1.2



## Daily Summary Report

Site: ORNL Sodar

1/11/2019

Interval: 015m

	13_WDir240m	14_WS300m	15_WDir300m	16_WS400m	17_WDir400m	18_WS500m	19_WDir500m	20_WS600m	21_WDir600m
Hour	DEG	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
00:00	35.7	8.8	39.9	10.0	41.4	12.3	44.8	14.6	38.6
00:15	39.2	9.3	40.3	9.9	44.5	12.1	45.5	14.0	43.9
00:30	39.4	9.5	41.3	10.1	44.7	11.5	45.1	14.9	39.3
00:45	42.0	9.4	43.9	9.7	42.5	11.3	44.9	15.6	42.6
01:00	41.1	9.3	42.1	9.6	37.5	11.5	44.0	15.2	41.5
01:15	38.6	10.0	39.7	9.5	39.5	12.0	40.0	14.2	40.0
01:30	37.4	9.7	39.8	9.7	44.5	12.7	37.0	13.3	39.6
01:45	40.4	8.8	43.0	10.4	45.1	13.0	36.8	13.4	42.5
02:00	47.8	9.3	44.3	11.8	43.5	12.7	42.5	13.4	43.0
02:15	47.8	10.9	46.6	11.6	45.6	13.4	45.3	13.4	43.0
02:30	47.5	11.7	50.5	11.1	50.1	13.9	45.0	13.5	42.9
02:45	48.6	11.9	52.0	12.2	47.3	13.9	43.0	13.1	42.0
03:00	51.0	12.0	51.8	12.7	48.7	14.8	44.1	13.4	40.5
03:15	51.4	11.3	52.3	11.8	50.1	13.6	44.9	14.3	42.7
03:30	51.8	10.8	52.5	11.5	48.7	12.8	47.4	14.4	43.0
03:45	52.9	10.7	53.5	11.8	49.0	12.7	50.9	14.4	44.0
04:00	52.2	10.7	53.7	14.2	49.2	12.7	49.0	14.4	45.8
04:15	49.1	9.4	51.5	14.7	45.2	11.8	44.9	14.0	44.6
04:30	44.8	8.0	50.8	13.3	47.3	11.5	41.7	12.9	43.4
04:45	48.4	8.0	53.4	13.0	44.2	11.8	38.2	13.0	41.7
05:00	52.2	8.9	50.6	14.0	37.6	11.3	36.6	15.2	37.2
05:15	50.7	8.9	48.3	14.3	39.7	10.7	42.7	13.4	36.2
05:30	51.2	8.6	51.7	13.8	43.8	11.0	43.9	13.3	42.0
05:45	53.6	9.7	51.6	13.5	46.0	11.7	43.6	14.5	45.0
06:00	59.0	10.7	53.3	13.1	52.5	12.2	41.2	15.1	42.3
06:15	61.2	10.9	50.7	11.4	49.6	11.7	42.8	14.1	42.0
06:30	59.7	11.3	46.7	12.5	47.2	12.6	48.1	15.0	45.0
06:45	62.1	10.9	52.3	13.1	45.7	14.0	43.5	13.6	45.3
07:00	65.5	10.0	58.4	13.2	45.0	13.6	42.5	13.0	45.0
07:15	63.1	10.0	59.5	13.3	46.8	13.0	45.0	13.0	45.0
07:30	60.3	9.8	58.7	12.4	49.4	12.9	42.9	12.5	45.6
07:45	60.7	9.2	59.7	10.9	55.0	11.5	51.0	12.7	45.5
08:00	65.9	8.6	65.1	10.6	57.2	11.6	53.0	11.6	48.0
08:15	66.5	8.3	67.2	11.0	53.0	12.0	50.0	12.0	48.0
08:30	53.1	7.6	65.4	12.0	50.0	12.0	47.0	13.0	47.0
08:45	54.2	7.5	59.1	12.2	46.5	12.0	44.0	14.0	47.0
09:00	67.0	7.6	60.0	14.4	42.8	12.5	41.0	14.0	46.6
09:15	66.3	7.0	64.6	10.0	55.0	11.5	39.0	13.0	47.0
09:30	65.6	6.5	59.4	9.8	53.5	10.8	41.1	11.0	48.0
09:45	66.8	5.8	57.9	8.4	58.6	9.2	47.8	10.0	48.0
10:00	62.0	4.8	66.9	7.2	61.6	8.2	53.5	8.0	48.9
10:15	71.2	4.2	71.9	6.8	64.4	7.9	50.6	7.9	49.5
10:30	78.6	4.0	73.4	6.5	68.5	7.3	54.1	7.5	53.0
10:45	80.1	4.0	78.3	5.6	69.0	6.4	57.5	7.0	57.0
11:00	77.1	4.0	66.3	4.6	62.6	5.6	61.4	6.6	62.1
11:15	77.9	3.3	56.6	4.0	65.6	5.3	66.2		
11:30	79.3	3.1	60.0	4.0	65.8	5.0	65.9		
11:45	74.8	3.5	67.7	3.7	56.6	5.0	62.7		
12:00	77.5	3.0	73.2	3.4	51.4	5.0	75.4		
12:15	73.7	2.3	55.0	3.3	46.2	4.1	81.5		
12:30	52.3	1.7	38.9	3.0	57.0	3.1	87.5		



## Daily Summary Report

Site: ORNL Sodar

1/11/2019

Interval: 015m

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
00:00	15.2	45.4	13.8	47.2	14.8	43.0
00:15	15.0	48.0	14.1	47.6	14.8	43.0
00:30	14.8	47.8	15.2	44.7	14.8	43.0
00:45	15.4	45.7	15.0	46.0	14.8	43.0
01:00	15.0	45.0	15.2	47.0	14.8	43.0
01:15	14.5	45.0	15.4	47.0	14.8	43.0
01:30	14.0	45.0	15.5	48.0	14.8	43.0
01:45	13.8	44.8	15.8	48.9	14.8	43.0
02:00	13.0	45.0	15.6	48.0	14.8	43.0
02:15	13.0	46.0	15.4	47.0	14.8	43.0
02:30	14.5	46.0	15.2	46.0	14.8	43.0
02:45	14.9	46.2	15.0	46.0	14.8	43.0
03:00	13.9	46.9	14.7	45.1	14.5	44.0
03:15	13.9	43.5	15.1	41.3	15.0	42.3
03:30	14.0	44.0	15.5	44.0	15.0	43.0
03:45	15.0	46.0	16.0	48.0	15.0	43.0
04:00	15.9	47.3	16.2	50.8	15.0	43.0
04:15	15.0	44.8	14.4	45.0	15.0	43.0
04:30	14.6	46.2	14.2	43.6	15.0	43.0
04:45	14.5	44.9	15.0	44.0	15.0	43.0
05:00	15.0	44.9	16.1	44.1	15.0	43.0
05:15	14.5	48.0	15.1	43.5	15.0	43.0
05:30	14.6	45.0	15.0	43.0	15.0	43.0
05:45	14.8	42.5	14.5	42.0	15.0	43.0
06:00	15.3	40.1	14.2	42.3	14.7	44.9
06:15	14.2	43.4	14.0	41.0		
06:30	14.3	48.3	13.6	41.4		
06:45	14.7	46.1	13.8	44.9		
07:00	14.7	46.0	13.8	45.0		
07:15	14.7	46.0	13.8	45.0		
07:30	14.7	46.0	13.8	45.0		
07:45	14.7	46.0	13.8	45.0		
08:00	14.7	46.0	13.8	46.0		
08:15	14.7	46.0	13.8	46.0		
08:30	14.7	46.0	13.8	46.0		
08:45	14.7	46.0	13.8	46.0		
09:00	14.6	46.3	13.8	46.4		
09:15						
09:30						
09:45						
10:00						
10:15						
10:30						
10:45						
11:00						
11:15						
11:30						
11:45						
12:00						
12:15						
12:30						

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:45						
13:00						
13:15						
13:30						
13:45						
14:00						
14:15						
14:30						
14:45						
15:00						
15:15						
15:30						
15:45						
16:00						
16:15						
16:30						
16:45						
17:00						
17:15						
17:30						
17:45						
18:00						
18:15						
18:30						
18:45						
19:00						
19:15						
19:30						
19:45						
20:00						
20:15						
20:30						
20:45						
21:00						
21:15						
21:30						
21:45						
22:00						
22:15						
22:30						
22:45						
23:00						
23:15						
23:30						
23:45						
Avg	14.6	45.6	14.7	45.3	14.9	43.1
Max	15.9	48.3	16.2	50.8	15.0	44.9
Hr. of Max	16	26	16	16	23	24
Min	13.0	40.1	13.6	41.0	14.5	42.3
Count	37	37	37	37	25	25
Total						