

## Daily Summary Report

Site: ORNL Sodar

9/16/2018

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	5.9	74.9	5.5	54.4	7.5	53.2	9.1	49.7	11.1
00:15	3.6	48.4	5.0	55.4	7.3	52.4	9.1	50.0	11.5
00:30	3.2	45.8	5.4	58.1	7.7	48.5	9.4	50.5	11.5
00:45	3.9	48.0	5.4	57.1	7.6	46.8	9.1	47.4	11.1
01:00	3.5	59.3	5.5	47.5	7.5	44.9	9.2	42.6	10.8
01:15	2.8	56.6	5.7	43.8	7.6	44.7	9.9	44.4	11.2
01:30	4.2	48.5	5.8	49.6	7.7	43.7	10.0	42.8	11.4
01:45	3.2	57.4	4.9	45.7	7.4	39.5	9.4	38.7	11.0
02:00	2.5	42.7	4.3	32.2	6.3	36.6	8.6	36.4	10.4
02:15	1.1	80.0	4.1	37.0	4.9	39.5	7.5	35.4	10.0
02:30	3.0	69.4	4.5	49.3	5.4	43.0	7.8	40.9	10.7
02:45	3.5	36.8	5.2	46.0	6.6	43.1	8.7	40.8	10.8
03:00	3.8	30.3	6.5	39.8	7.5	42.5	9.6	39.2	11.0
03:15	5.0	36.9	7.0	35.7	8.1	39.7	9.8	39.1	11.5
03:30	4.0	45.7	6.2	35.1	7.4	38.6	9.2	37.5	11.3
03:45	3.5	58.1	5.4	37.4	6.7	36.7	8.5	33.9	10.4
04:00	3.4	66.9	4.9	30.7	6.7	34.2	8.1	33.0	9.9
04:15	3.5	65.4	4.6	32.6	6.2	36.0	7.8	37.3	9.8
04:30	4.9	76.4	4.5	35.8	6.2	34.6	8.3	35.5	9.7
04:45	7.5	65.7	4.2	36.3	6.5	34.0	8.5	35.2	9.9
05:00	4.9	50.9	4.1	46.0	6.4	41.7	8.0	39.4	10.5
05:15	5.1	57.0	4.6	47.0	6.7	44.1	8.3	39.6	11.2
05:30	5.0	64.4	5.8	39.5	7.8	39.3	9.3	36.1	11.3
05:45	4.7	65.3	6.0	39.4	8.0	39.6	9.2	38.2	10.7
06:00	4.9	63.1	4.9	39.2	7.4	41.4	9.0	40.3	10.3
06:15	4.0	46.4	4.4	42.3	6.9	39.1	8.8	37.9	10.4
06:30	3.6	51.9	4.3	43.5	7.1	33.7	8.7	36.6	10.7
06:45	2.8	56.8	4.5	40.6	7.3	36.0	8.9	39.8	10.9
07:00	2.1	49.2	4.5	46.6	6.6	39.8	8.6	39.7	11.1
07:15	2.1	46.5	4.9	41.8	6.7	40.6	8.6	36.7	11.1
07:30	3.3	60.4	5.3	37.3	6.9	39.6	8.6	37.6	11.3
07:45	3.9	54.2	5.7	38.5	7.0	36.9	8.9	35.7	11.3
08:00	3.8	33.7	5.6	38.0	7.8	34.1	9.1	34.9	10.9
08:15	4.5	41.4	5.5	38.3	7.9	33.7	9.0	33.0	10.9
08:30	4.6	39.0	5.7	42.1	7.6	35.3	9.3	33.6	11.1
08:45	3.0	41.4	5.6	42.5	7.2	33.0	9.3	34.5	11.1
09:00	3.2	38.0	5.6	36.6	6.9	33.5	9.1	33.7	10.9
09:15	3.4	15.0	5.0	35.7	6.5	32.6	8.3	32.5	10.4
09:30	2.5	15.0	4.7	32.8	6.8	29.4	8.2	32.3	11.3
09:45	2.6	16.0	6.5	26.1	7.7	27.0	9.1	29.6	12.2
10:00	2.6	16.3	6.0	31.4	7.7	25.7	10.1	27.9	11.5
10:15	2.8	50.2	4.7	36.4	7.3	30.6	9.7	33.7	11.2
10:30	2.1	83.1	3.8	50.3	7.3	39.8	9.6	42.7	10.6
10:45	1.2	89.2	3.3	67.2	6.1	49.7	8.8	46.4	10.9
11:00	.8	75.1	4.2	67.8	5.4	52.3	7.5	46.9	10.3
11:15	.7	78.8	3.6	57.9	5.2	38.4	7.4	41.3	8.1
11:30	.2	133.6	1.9	25.3	4.5	24.8	6.9	29.4	8.7
11:45	.6	39.9	3.3	49.6	6.1	26.4	8.6	33.0	10.8
12:00	.8	34.8	4.7	43.3	7.0	26.4	9.0	37.1	10.2
12:15	.6	54.0	4.7	51.2	7.1	26.3	8.6	37.5	9.9



## Daily Summary Report

Site: ORNL Sodar

9/16/2018

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	49.4	12.4	48.7	13.4	45.0	14.4	51.0	13.7	50.0
00:15	47.8	12.1	48.5	13.6	39.8	14.5	41.0	14.8	40.0
00:30	49.6	12.6	47.7	13.5	35.8	14.0	42.0	15.0	41.0
00:45	48.2	13.1	47.1	12.6	43.9	13.5	43.0	15.0	42.0
01:00	42.0	12.3	44.9	13.3	52.6	13.0	44.0	15.3	42.0
01:15	42.2	12.5	44.2	13.9	49.0	12.8	44.4	15.5	43.0
01:30	44.2	13.0	44.8	14.4	45.0	14.3	51.0	16.0	44.7
01:45	42.1	12.7	43.7	14.2	46.3	14.0	49.0	15.6	43.6
02:00	38.8	12.4	42.2	13.8	42.2	14.7	41.9	14.3	48.8
02:15	38.4	12.8	42.7	13.9	40.7	15.0	42.9	14.2	46.7
02:30	41.0	13.2	42.8	14.1	43.1	13.1	45.7	14.2	48.9
02:45	39.7	13.3	42.5	13.6	42.3	12.3	42.6	14.1	45.1
03:00	39.0	13.5	43.6	12.9	42.9	13.3	39.0	14.0	35.8
03:15	39.2	13.4	43.5	13.9	45.4	16.1	46.0	15.6	44.0
03:30	36.3	13.0	41.5	13.9	47.4	16.1	44.3	15.7	46.3
03:45	33.3	12.1	38.5	14.0	47.1	14.5	40.8	15.0	43.1
04:00	35.3	11.7	41.3	14.0	42.4	13.6	42.9	15.0	38.7
04:15	37.1	11.7	42.0	14.0	41.3	14.8	41.5	15.6	39.8
04:30	35.7	12.2	39.7	14.2	42.8	15.9	46.5	16.8	44.3
04:45	35.7	12.8	39.6	14.8	42.3	14.8	48.2	16.0	46.0
05:00	38.3	12.8	40.2	14.7	43.8	15.2	44.4	15.5	48.0
05:15	37.7	13.2	41.5	14.2	45.6	15.2	44.5	15.1	51.6
05:30	37.1	13.3	43.0	14.4	45.7	14.1	46.4	15.0	46.3
05:45	41.7	13.2	45.5	14.3	44.6	14.8	50.2	15.3	45.0
06:00	42.9	12.7	44.1	14.4	45.7	14.9	45.6	15.5	45.0
06:15	40.4	12.3	41.0	14.4	46.5	14.0	45.0	15.5	45.0
06:30	40.4	12.3	41.8	13.8	44.9	12.7	45.0	15.8	44.0
06:45	41.0	12.3	42.8	13.9	42.8	14.3	51.0	16.0	44.0
07:00	39.9	12.7	40.5	15.0	42.9	14.4	47.0	16.0	44.0
07:15	39.4	12.6	39.6	14.7	45.6	14.0	44.6	16.2	44.1
07:30	38.3	12.2	40.5	13.8	44.5	14.4	42.1	15.3	40.1
07:45	38.1	12.1	40.5	14.1	43.9	15.9	44.9	14.1	46.4
08:00	38.1	12.7	37.2	13.9	40.7	14.9	46.7	14.4	45.6
08:15	32.7	13.3	34.7	14.6	37.1	14.8	43.6	16.0	43.4
08:30	34.9	13.3	37.3	14.7	37.2	15.5	42.4	15.6	45.6
08:45	36.4	13.0	37.6	13.6	39.0	14.8	45.0	15.2	41.0
09:00	31.5	12.4	34.7	13.8	41.8	15.2	47.8	14.9	43.4
09:15	31.0	12.2	35.4	14.1	43.6	14.4	46.8	14.9	48.7
09:30	35.4	12.4	38.8	14.2	42.6	14.1	42.9	14.7	47.1
09:45	35.3	12.8	39.3	14.3	41.7	14.9	42.1	14.3	44.2
10:00	32.7	12.1	42.2	13.7	43.6	15.2	48.7	13.9	46.0
10:15	35.6	12.9	41.7	13.8	42.6	15.0	49.7	13.6	48.3
10:30	41.8	13.3	40.0	15.2	43.3	15.2	47.9	13.4	49.0
10:45	41.9	12.2	41.5	15.4	43.8	14.2	47.1	14.0	47.0
11:00	39.5	11.6	42.9	13.2	42.2	13.5	43.5	14.3	44.9
11:15	35.0	11.5	37.6	12.9	39.1	15.3	38.9	14.4	44.8
11:30	31.2	11.2	34.0	12.4	40.9	13.9	38.6	15.0	51.3
11:45	38.3	12.1	38.3	13.6	41.6	13.7	39.6	14.6	53.0
12:00	39.0	12.1	40.0	14.2	37.6	14.7	43.9	14.3	51.8
12:15	40.3	11.8	38.9	13.4	37.1	14.2	46.2	14.0	49.7



## Daily Summary Report

Site: ORNL Sodar

9/16/2018

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	13.0	49.7	15.2	45.7		
00:15	15.0	39.0	15.3	40.8		
00:30	14.5	40.0	15.3	41.0		
00:45	14.5	41.0	15.3	43.0		
01:00	14.0	42.0	15.3	45.0		
01:15	13.5	43.0	15.3	47.0		
01:30	13.0	43.3	15.3	48.4		
01:45	15.2	48.9	14.6	46.1		
02:00	15.2	51.3	13.1	44.7		
02:15	12.6	51.7	14.2	47.3	13.6	49.3
02:30	14.6	49.4	14.6	46.8		
02:45	14.8	49.3	14.5	46.0		
03:00	14.7	50.0	14.3	46.0		
03:15	14.6	50.0	14.0	46.0		
03:30	14.6	50.7	14.0	45.0		
03:45	14.2	46.4	13.8	45.0		
04:00	14.4	44.4	13.5	45.0		
04:15	14.6	46.4	13.5	45.0		
04:30	14.6	46.0	13.5	44.0		
04:45	14.6	45.0	13.5	44.0		
05:00	14.6	44.0	13.6	44.0		
05:15	14.7	43.7	13.6	43.4		
05:30	14.0	43.0	12.3	42.4		
05:45	14.3	43.0	12.5	42.0		
06:00	14.5	44.0	12.8	42.0		
06:15	14.8	44.0	13.0	42.0		
06:30	15.0	44.0	13.3	42.0		
06:45	15.0	44.0	13.5	42.0		
07:00	15.0	45.0	13.8	42.0		
07:15	15.2	45.0	13.9	41.8		
07:30	16.0	43.5	15.5	41.2		
07:45	16.6	49.0	14.9	37.7		
08:00	16.0	48.0	14.9	38.0		
08:15	15.0	48.0	15.0	39.0		
08:30	14.5	47.0	15.0	40.0		
08:45	14.0	46.0	15.0	41.0		
09:00	14.0	45.0	15.0	42.0		
09:15	13.4	44.7	15.0	43.0		
09:30	13.8	44.7	15.0	43.9		
09:45	14.4	40.1	13.8	39.9		
10:00	14.2	41.0	13.8	40.0		
10:15	14.0	42.0	13.8	41.0		
10:30	13.7	43.0	13.8	42.0		
10:45	13.5	44.2	13.8	43.0		
11:00	13.5	44.0	13.7	44.0		
11:15	13.7	44.0	13.7	45.0		
11:30	13.8	43.4	13.6	46.0		
11:45	14.2	46.3	13.6	48.0		
12:00	13.6	50.9	13.5	49.1		
12:15	13.5	46.7	15.0	45.0		

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:30	13.4	41.7	13.5	44.4		
12:45	13.7	45.0	13.3	44.0		
13:00	13.9	50.7	12.8	43.0		
13:15	14.7	55.2	12.1	43.0		
13:30	13.8	43.5	12.7	43.5		
13:45	15.5	49.0	14.4	46.5		
14:00	15.6	51.0	17.2	54.6		
14:15	15.0	47.0	15.9	48.8		
14:30	15.5	47.0	15.8	48.0		
14:45	15.5	47.0	15.8	48.0		
15:00	15.5	46.0	15.5	48.0		
15:15	15.5	46.0	15.5	48.0		
15:30	15.5	46.0	15.3	48.0		
15:45	15.5	45.0	15.3	48.0		
16:00	15.5	45.0	15.0	48.0		
16:15	15.5	45.0	15.0	47.0		
16:30	15.5	44.0	14.8	47.0		
16:45	15.5	44.0	14.8	47.0		
17:00	15.5	44.0	14.5	47.0		
17:15	15.5	43.0	14.5	47.0		
17:30	15.5	43.0	14.3	47.0		
17:45	15.5	43.0	14.3	47.0		
18:00	16.0	42.7	14.0	47.0		
18:15	15.0	44.0	14.0	47.0		
18:30	14.1	46.4	13.7	46.5		
18:45	14.8	43.0	14.3	45.5	14.4	43.4
19:00	15.5	42.0	13.8	44.0	14.3	45.1
19:15	15.5	41.0	14.7	45.0		
19:30	14.4	45.5	15.0	42.0		
19:45	15.4	41.1	15.4	41.6	12.6	47.7
20:00	15.7	41.6	15.0	45.8	15.2	46.8
20:15	15.1	41.5	16.1	43.0		
20:30	15.0	40.1	15.8	44.0		
20:45	15.8	42.6	15.5	45.0		
21:00	15.6	44.7	15.3	46.0		
21:15	15.4	46.6	15.0	47.0		
21:30	17.0	40.0	14.8	48.0		
21:45	16.0	45.0	14.6	48.0		
22:00	15.2	49.3	14.4	49.0		
22:15	14.5	50.2	14.4	49.9		
22:30	14.0	50.0	14.7	48.0		
22:45	13.6	49.0	15.0	47.0		
23:00	13.3	47.0	15.3	46.0		
23:15	13.1	45.3	15.5	46.0		
23:30	14.1	41.0	15.8	45.0		
23:45						
Avg	14.7	45.3	14.4	44.9	14.0	46.5
Max	17.0	55.2	17.2	54.6	15.2	49.3
Hr. of Max	86	53	56	56	80	09
Min	12.6	39.0	12.1	37.7	12.6	43.4
Count	95	95	95	95	5	5
Total						