

## Daily Summary Report

Site: ORNL Sodar

3/17/2018

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	.3	84.2	.8	94.9	1.5	124.2	2.1	161.4	2.8
00:15	.3	142.9	1.1	148.1	1.8	173.7	2.9	184.5	2.7
00:30	.2	142.3	1.7	175.2	2.4	191.0	2.9	193.7	2.7
00:45	.2	143.5	1.8	188.5	1.8	200.9	2.0	203.2	2.8
01:00	.1	154.9	1.5	208.8	1.2	219.4	1.8	220.2	2.9
01:15	.3	185.4	1.6	215.7	1.6	228.1	2.6	227.1	4.4
01:30	.5	202.7	1.7	212.9	2.5	231.2	3.7	227.4	5.6
01:45	.9	219.8	2.2	222.6	3.2	225.8	4.7	221.5	6.8
02:00	1.5	227.6	2.8	219.6	4.0	220.7	5.6	215.2	7.3
02:15	1.8	216.7	3.1	213.3	4.7	215.8	6.0	209.5	5.4
02:30	2.5	206.3	3.4	210.2	5.0	209.1	5.6	202.6	4.5
02:45	3.0	201.3	3.6	207.3	4.9	206.1	5.5	199.7	6.6
03:00	3.0	202.7	3.8	206.2	5.3	204.0	6.5	200.4	7.3
03:15	3.1	209.3	4.4	209.7	6.0	207.0	7.5	202.7	8.4
03:30	3.9	203.7	4.8	206.2	6.6	202.6	7.8	202.2	9.1
03:45	4.6	194.8	5.2	196.3	6.7	194.8	7.7	197.3	9.1
04:00	3.2	194.7	4.7	195.0	5.8	194.7	6.9	196.8	8.5
04:15	2.4	187.5	3.0	198.7	4.6	196.0	5.8	197.2	7.4
04:30	1.8	192.1	2.4	195.6	4.2	193.6	5.9	194.5	7.3
04:45	1.1	210.0	1.8	198.8	4.0	196.7	5.4	197.9	6.9
05:00	1.5	233.4	1.8	229.8	3.4	216.9	4.7	211.8	6.7
05:15	3.3	220.0	3.0	227.0	4.5	221.3	5.8	216.3	7.8
05:30	4.8	210.0	3.5	222.0	5.6	214.7	6.9	214.8	8.7
05:45	2.9	210.7	2.8	217.9	5.0	209.9	6.3	210.6	8.1
06:00	1.6	209.4	2.4	200.1	4.0	208.1	5.6	207.7	7.3
06:15	1.2	216.3	2.3	211.1	3.7	216.5	5.0	214.0	6.7
06:30	1.5	209.0	2.2	220.4	3.3	219.2	4.3	213.1	5.8
06:45	1.2	206.2	1.9	216.1	2.7	209.3	3.8	204.2	5.1
07:00	.5	226.5	1.3	218.9	1.8	214.2	2.4	207.0	3.1
07:15	.6	258.7	1.1	232.8	1.7	228.1	2.0	221.8	2.0
07:30	.6	245.1	1.2	241.3	1.6	219.3	1.9	220.6	1.4
07:45	.6	222.6	.7	237.2	1.3	218.2	1.4	220.2	.6
08:00	.3	240.1	.5	239.5	1.6	244.3	1.7	244.1	.8
08:15	.2	254.5	.6	248.8	2.4	245.8	2.9	245.5	2.4
08:30	.3	245.0	.8	240.0	2.5	240.0	3.1	241.0	3.0
08:45	.5	235.0	1.0	230.0	2.5	235.0	3.3	237.0	4.0
09:00	.7	225.0	1.3	220.0	2.6	230.4	3.5	225.0	5.0
09:15	.8	217.6	1.6	212.0	2.7	219.9	3.6	217.6	5.1
09:30	.5	201.2	1.2	224.2	2.3	226.6	3.5	220.9	4.7
09:45	.3	151.9	1.2	249.2	2.3	230.4	3.9	222.1	4.5
10:00	.3	248.7	1.0	257.8	1.8	230.5	3.3	220.9	4.4
10:15	.4	249.8	.7	263.9	1.0	242.6	2.2	227.7	3.2
10:30	.5	269.2	.9	274.2	.9	275.6	1.6	264.9	2.3
10:45	1.0	267.1	1.0	252.9	1.0	266.4	1.4	267.6	2.0
11:00	1.1	259.1	1.0	218.8	1.3	232.1	1.5	223.6	2.2
11:15	.6	254.5	.8	212.9	1.2	229.8	1.8	220.9	2.3
11:30	.5	234.8	1.0	233.5	1.5	231.6	2.4	222.4	2.9
11:45	.3	213.5	.6	239.6	1.4	235.4	2.3	233.6	2.4
12:00	.1	140.9	.8	263.2	1.6	267.7	2.4	262.2	2.8
12:15	.7	260.3	1.5	271.0	2.6	275.0	3.0	271.8	3.8



## Daily Summary Report

Site: ORNL Sodar

3/17/2018

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	182.0	5.0	185.2	8.5	186.9	9.3	194.6	12.0	208.0
00:15	189.4	4.5	187.1	9.2	186.8	9.7	206.9	14.6	230.5
00:30	188.6	3.7	188.4	7.9	190.2	10.1	207.6	14.5	229.5
00:45	192.6	3.9	196.4	7.7	200.5	10.5	212.0	14.5	228.5
01:00	215.0	4.5	227.3	7.6	210.1	10.8	213.0	14.4	227.5
01:15	222.2	6.8	223.6	7.0	200.9	10.8	214.0	14.4	226.5
01:30	221.6	8.9	222.9	7.1	204.1	10.8	215.0	14.3	225.5
01:45	217.4	9.6	222.0	8.0	208.0	11.0	216.0	14.3	224.5
02:00	210.2	6.9	205.7	8.5	212.0	11.0	217.0	14.2	223.5
02:15	199.7	3.5	188.3	9.0	214.0	11.0	218.0	14.2	222.5
02:30	196.9	4.0	193.1	10.0	216.0	11.5	219.0	14.1	221.5
02:45	194.8	7.1	195.0	10.5	218.0	12.0	220.0	14.1	220.5
03:00	196.0	9.1	191.4	11.0	220.0	12.5	221.0	14.0	219.5
03:15	205.8	10.3	209.4	11.6	221.9	13.0	223.0	14.0	218.5
03:30	209.0	10.7	215.7	13.2	224.1	13.3	224.7	14.0	214.4
03:45	202.7	10.6	210.3	13.3	219.1	14.2	223.2	13.4	212.0
04:00	197.6	9.6	204.6	12.2	213.0	15.6	215.5	13.8	213.0
04:15	196.4	8.9	202.3	12.3	209.6	16.2	209.2	14.2	214.0
04:30	197.2	8.8	201.5	12.2	209.7	15.3	214.2	14.5	215.0
04:45	202.3	8.6	205.1	11.7	210.3	14.0	215.6	14.8	216.0
05:00	211.7	8.4	211.4	11.6	213.2	13.0	220.0	15.0	216.8
05:15	216.2	9.0	213.6	12.3	214.2	13.1	227.7	13.0	215.8
05:30	214.4	10.0	210.0	13.3	210.9	13.2	223.6	13.1	216.5
05:45	208.7	9.7	206.2	12.5	210.8	12.9	220.7	13.3	224.0
06:00	206.2	8.7	206.6	11.5	212.5	11.8	225.0	14.7	219.5
06:15	209.6	8.3	208.3	12.0	212.8	11.9	220.2	14.7	218.5
06:30	212.7	8.7	206.5	11.4	216.0	13.2	217.9	14.0	218.7
06:45	204.5	8.3	201.7	10.2	218.1	12.4	219.7	13.3	218.6
07:00	204.7	6.2	197.1	9.1	215.0	10.7	222.4	11.7	218.3
07:15	227.1	4.3	208.9	8.8	212.8	10.3	221.4	12.0	218.6
07:30	234.8	2.9	210.4	9.0	207.5	10.5	216.1	12.2	221.3
07:45	234.9	1.0	213.8	8.1	205.8	9.9	216.8	12.0	221.2
08:00	250.1	1.1	235.3	9.1	223.4	10.1	223.6	12.8	223.3
08:15	247.1	1.6	256.3	9.2	230.0	11.6	226.1	15.0	226.0
08:30	238.0	2.0	245.0	9.5	227.0	11.8	228.0	14.0	227.0
08:45	231.0	4.0	235.0	10.0	225.0	12.0	229.0	13.5	228.0
09:00	224.0	6.0	225.0	10.5	222.0	12.3	231.0	13.0	230.0
09:15	217.8	7.7	214.2	10.9	218.7	12.5	233.6	12.5	233.5
09:30	218.4	6.8	218.5	10.0	223.1	12.9	231.0	14.0	225.2
09:45	223.5	6.8	217.2	9.7	224.3	12.3	229.9	14.8	223.6
10:00	229.0	6.7	223.9	9.7	228.9	11.0	231.7	13.7	226.5
10:15	229.4	5.8	231.0	8.6	236.5	9.9	238.3	12.5	230.0
10:30	246.6	4.4	235.3	7.5	237.0	9.8	239.1	11.8	233.2
10:45	236.0	3.4	230.7	6.8	232.3	10.1	230.2	12.7	227.1
11:00	204.5	3.3	212.6	6.0	222.1	9.1	226.4	9.7	227.1
11:15	211.3	3.3	209.4	5.5	209.2	8.0	216.9	8.2	231.2
11:30	208.8	3.8	206.4	5.9	206.3	11.7	210.1	9.0	231.0
11:45	219.5	3.4	210.9	6.1	211.7	12.7	211.9	10.0	231.0
12:00	250.3	3.2	241.2	5.7	227.1	9.5	221.0	11.0	231.0
12:15	260.0	4.4	251.6	6.4	238.3	8.3	235.4	11.3	230.1



## Daily Summary Report

Site: ORNL Sodar

3/17/2018

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	13.9	226.8				
00:15	13.8	225.5				
00:30	13.9	226.0				
00:45	13.9	226.0				
01:00	13.9	226.0				
01:15	13.9	226.0				
01:30	14.0	226.0				
01:45	14.0	226.0				
02:00	14.0	226.0				
02:15	14.0	226.0				
02:30	14.0	226.0				
02:45	14.0	226.0				
03:00	14.0	227.0				
03:15	14.0	227.0				
03:30	14.1	227.0				
03:45	14.1	227.0				
04:00	14.1	227.0				
04:15	14.2	227.0				
04:30	14.2	227.0				
04:45	14.2	227.0				
05:00	14.2	227.0				
05:15	14.3	228.0				
05:30	14.3	228.0				
05:45	14.3	228.0				
06:00	14.3	228.0				
06:15	14.3	228.0				
06:30	14.4	228.0				
06:45	14.4	228.0				
07:00	14.4	228.0				
07:15	14.5	227.7				
07:30	13.7	228.6	14.4	228.4		
07:45	14.2	226.0	14.4	226.0		
08:00	17.0	221.0	15.0	226.0		
08:15	16.5	223.8	16.0	227.0		
08:30	16.3	224.0	16.3	227.0		
08:45	16.0	225.0	16.5	228.0		
09:00	15.8	225.0	16.8	228.0		
09:15	15.6	225.2	17.0	228.0		
09:30	15.7	226.9	18.2	228.4		
09:45	15.7	226.3	16.8	229.0	15.6	231.2
10:00	13.6	226.5	13.5	226.5	13.4	226.7
10:15	13.5	227.0	14.0	227.0	13.5	226.0
10:30	13.5	228.0	14.0	227.0	13.6	226.0
10:45	13.4	228.0	14.5	228.0	13.6	225.0
11:00	13.3	229.0	14.5	228.0	13.7	225.0
11:15	13.2	229.0	15.0	228.0	13.7	224.0
11:30	13.1	230.0	15.0	229.0	13.8	224.0
11:45	13.0	230.0	15.5	229.0	13.8	223.0
12:00	12.9	231.0	16.0	229.0	13.9	223.0
12:15	12.8	231.0	16.5	229.5	13.9	222.0

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:30	14.5	228.0	16.0	227.0	14.0	222.0
12:45	7.0	226.0	15.5	224.0	14.1	221.0
13:00	13.9	224.1	15.0	222.0	14.2	221.0
13:15	12.8	226.6	14.0	220.0	14.3	221.0
13:30	13.2	222.4	13.2	217.3	14.4	220.2
13:45	13.1	222.7	13.5	217.0	12.6	227.8
14:00	13.5	221.0	13.7	217.5		
14:15	14.0	220.0	13.9	218.0		
14:30	14.8	219.7	14.1	218.5		
14:45	15.2	223.0	14.2	219.0		
15:00	14.6	227.1	14.3	219.5		
15:15	13.4	224.1	14.4	220.0		
15:30	14.0	226.0	14.5	220.5		
15:45	14.1	226.5	14.6	221.0		
16:00	14.2	227.0	14.7	221.5		
16:15	14.3	227.5	14.8	222.0		
16:30	14.4	228.0	14.9	222.5		
16:45	14.5	228.5	15.0	223.0		
17:00	14.6	229.0	15.1	223.5		
17:15	14.7	229.5	15.2	224.0		
17:30	14.8	230.0	15.3	224.5		
17:45	14.9	230.5	15.4	225.0		
18:00	14.9	231.0	15.5	225.5		
18:15	14.9	231.5	15.6	226.0		
18:30	14.9	232.0	15.7	226.5		
18:45	14.9	232.5	15.8	227.0		
19:00	14.9	233.0	15.9	227.5		
19:15	15.0	233.5	16.0	228.0		
19:30	15.1	234.0	16.1	228.5		
19:45	15.2	234.5	16.2	229.0		
20:00	15.3	235.0	16.3	229.5		
20:15	15.4	235.3	15.7	232.0		
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	14.2	227.4	15.2	225.1	13.9	224.1
Max	17.0	235.3	18.2	232.0	15.6	231.2
Hr. of Max	32	81	38	81	39	39
Min	7.0	219.7	13.2	217.0	12.6	220.2
Count	82	82	52	52	17	17
Total						