

## Daily Summary Report

Site: ORNL Sodar

12/27/2018

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	2.8	156.0	2.5	138.7	3.7	152.7	5.4	163.0	7.8
00:15	2.1	148.1	2.3	148.5	3.5	159.5	5.0	168.3	7.6
00:30	2.5	160.0	2.0	156.1	3.4	167.3	4.9	173.5	7.2
00:45	2.3	162.0	1.9	163.9	3.6	171.9	5.0	176.0	7.1
01:00	1.6	62.3	1.6	157.4	3.0	171.6	4.1	176.4	6.0
01:15	1.8	66.0	1.3	128.6	2.0	162.9	3.0	171.5	4.5
01:30	1.6	67.8	1.1	105.2	1.3	151.9	2.4	170.7	4.3
01:45	1.1	70.1	1.4	111.5	1.3	145.6	2.2	167.2	3.7
02:00	1.1	70.2	1.5	128.2	1.4	145.2	2.1	162.6	3.5
02:15	1.0	68.4	1.1	128.2	1.1	141.0	1.7	153.8	2.9
02:30	1.3	72.4	.9	106.6	1.0	107.0	1.2	132.8	1.6
02:45	1.3	72.7	.9	95.9	1.4	87.6	1.5	96.3	1.3
03:00	1.1	73.7	1.0	77.7	1.6	79.7	2.2	88.0	1.6
03:15	1.4	82.5	1.2	70.3	1.6	76.0	2.5	87.6	2.0
03:30	2.4	85.6	1.6	84.4	2.3	81.7	3.5	88.2	3.2
03:45	2.5	82.1	2.0	77.4	3.4	81.8	4.1	92.2	4.0
04:00	1.8	79.2	1.7	73.7	3.1	78.6	3.7	93.2	3.6
04:15	1.7	80.9	1.4	81.6	2.5	80.0	3.8	89.9	3.7
04:30	2.3	82.3	2.0	75.1	3.0	79.7	4.3	86.4	4.5
04:45	2.6	82.4	2.5	77.4	3.8	76.0	5.1	83.1	5.1
05:00	2.4	80.8	2.7	69.4	4.5	73.5	5.8	80.6	6.5
05:15	2.4	74.8	3.5	64.4	5.5	71.0	6.4	79.2	6.6
05:30	2.7	69.5	3.9	61.4	5.8	69.5	7.0	77.2	5.9
05:45	3.0	68.5	4.4	66.2	5.6	68.6	7.2	75.1	6.6
06:00	3.6	70.2	4.7	67.8	5.8	66.0	7.4	72.7	7.0
06:15	3.9	75.4	5.2	63.5	5.9	65.7	7.4	71.3	7.5
06:30	3.5	78.9	4.9	60.6	5.6	66.9	6.9	71.8	7.9
06:45	3.0	74.0	4.3	60.3	5.2	66.1	6.3	72.2	7.5
07:00	2.4	72.2	3.8	64.3	4.6	58.3	6.0	70.6	7.0
07:15	1.8	70.2	3.1	57.9	4.2	53.8	5.4	66.2	6.5
07:30	1.7	80.9	2.8	51.5	3.8	56.0	4.9	64.6	5.9
07:45	1.8	87.8	2.7	58.9	3.9	57.8	5.2	69.2	6.1
08:00	2.0	78.5	2.8	64.6	4.6	63.6	5.8	74.7	6.7
08:15	2.1	74.9	2.9	63.4	4.7	63.9	5.8	75.7	6.8
08:30	1.8	76.9	3.0	63.1	4.3	61.3	5.3	71.5	6.2
08:45	2.5	87.2	3.0	68.2	4.2	63.9	5.2	72.8	5.8
09:00	2.7	90.2	3.3	69.1	4.4	69.4	5.5	79.9	5.3
09:15	2.3	90.4	2.9	65.9	4.2	66.2	5.5	77.8	4.6
09:30	2.6	84.9	1.9	63.8	3.6	58.2	5.0	71.8	4.3
09:45	2.7	79.6	2.0	62.7	3.0	52.1	4.3	69.3	4.6
10:00	2.0	78.0	2.0	63.3	2.8	50.3	4.2	69.9	5.3
10:15	1.5	77.8	2.4	59.8	3.2	57.0	5.1	73.0	5.7
10:30	1.7	81.4	2.9	63.6	4.1	66.1	5.9	75.7	5.7
10:45	2.0	82.7	2.7	73.6	4.4	70.0	6.0	75.9	5.8
11:00	1.5	90.6	2.4	75.1	3.5	63.4	5.0	70.0	5.8
11:15	1.1	101.4	1.9	78.7	2.6	55.8	3.7	69.0	5.5
11:30	1.0	101.2	1.9	85.0	1.9	62.9	3.0	78.3	4.9
11:45	.6	106.7	1.3	90.6	1.4	72.2	2.5	82.6	4.1
12:00	.4	115.7	.7	99.5	1.2	74.6	2.4	79.4	4.0
12:15	.5	117.5	.5	97.6	1.6	76.5	2.9	82.1	4.6
12:30	.6	105.7	.6	99.1	1.8	76.5	3.0	95.6	4.9



## Daily Summary Report

Site: ORNL Sodar

12/27/2018

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	168.6	9.9	175.2	11.0	170.9	11.0	170.0		
00:15	174.0	9.8	176.7	11.5	170.6	12.6	166.9		
00:30	175.8	9.2	175.5	10.8	172.2	10.9	162.6		
00:45	175.0	8.9	173.0	10.4	172.3	10.7	162.8		
01:00	172.6	8.3	172.7	10.2	171.9	11.3	158.6		
01:15	171.6	6.2	173.9	9.9	171.0	10.9	159.0		
01:30	173.1	6.3	173.1	9.7	165.7	11.1	158.0		
01:45	172.4	6.2	174.1	9.5	166.9	11.4	155.1		
02:00	173.8	5.3	174.6	8.7	172.4	10.1	156.4		
02:15	171.7	3.7	169.3	7.6	170.5	9.9	153.4	11.9	149.4
02:30	166.8	3.3	170.8	7.0	166.0	9.9	152.6	11.7	151.4
02:45	143.6	2.7	163.9	6.2	160.4	9.8	155.0	11.9	149.8
03:00	112.0	2.5	142.0	5.9	153.4	9.8	150.6	11.5	149.0
03:15	105.4	3.0	134.2	6.3	148.7	10.1	148.9	11.1	148.7
03:30	106.2	4.2	133.4	8.0	147.0	10.8	145.1	12.1	139.9
03:45	114.2	5.2	135.8	9.6	148.4	12.0	143.1	13.0	137.8
04:00	115.2	4.6	137.1	8.4	151.9	12.6	142.3	13.0	142.0
04:15	106.8	4.2	130.0	7.4	151.1	11.7	146.0	13.4	144.8
04:30	97.1	4.1	117.6	7.0	147.3	11.2	148.5	14.2	138.7
04:45	88.9	4.0	105.4	6.4	138.5	10.8	144.2	13.6	143.5
05:00	89.5	4.8	98.5	6.5	128.6	10.2	142.0	11.9	147.7
05:15	88.8	5.4	100.7	6.5	128.1	9.8	144.8	10.6	148.5
05:30	86.5	5.1	103.5	7.0	129.4	9.9	143.0	10.6	150.5
05:45	86.8	5.5	103.5	7.7	127.2	10.6	140.1	11.0	144.0
06:00	83.5	6.3	99.8	8.4	126.8	11.6	138.2	13.1	130.0
06:15	81.7	6.7	93.8	9.1	127.4	10.1	133.7	13.3	133.0
06:30	83.6	6.8	95.2	8.7	130.7	9.2	135.8	12.0	143.0
06:45	84.1	6.9	100.2	8.9	127.7	10.1	139.1	12.7	141.6
07:00	83.2	7.1	100.0	8.3	122.4	11.5	131.0	12.0	144.0
07:15	82.6	6.6	100.7	6.8	130.5	11.0	135.0	11.5	148.0
07:30	86.1	5.9	106.2	6.7	133.4	11.2	136.8	11.0	152.0
07:45	87.5	5.5	110.2	6.8	135.7	10.7	149.6	10.0	155.0
08:00	87.4	5.7	110.9	7.8	137.8	9.6	146.4	9.5	158.0
08:15	87.0	6.0	109.3	7.3	138.9	10.4	142.1	9.0	160.3
08:30	86.5	5.3	109.0	6.6	140.1	9.5	141.9	10.3	160.0
08:45	89.4	4.9	111.9	7.0	143.9	8.5	156.0	9.2	175.0
09:00	97.2	4.9	129.6	7.8	153.3	8.0	172.0	8.5	178.6
09:15	100.8	4.8	141.0	8.0	158.6	8.8	181.6	10.0	176.0
09:30	93.0	4.5	134.3	7.1	162.0	8.5	168.4	11.2	174.7
09:45	92.3	4.3	127.6	6.5	160.3	8.7	165.7	11.4	172.9
10:00	89.8	4.1	119.9	6.5	154.0	9.4	161.1	10.7	169.4
10:15	90.1	4.4	120.5	7.4	146.8	9.4	153.4	11.1	166.1
10:30	94.9	4.9	123.9	8.7	145.9	10.2	153.7	13.3	164.1
10:45	96.2	6.0	121.8	9.7	145.2	11.5	156.7	13.7	162.8
11:00	94.0	6.5	121.8	10.1	145.6	11.0	152.6	14.8	161.0
11:15	94.8	6.3	123.2	9.6	146.0	13.0	147.0	17.6	150.4
11:30	101.7	6.4	126.3	9.7	146.4	12.7	148.0	15.0	148.0
11:45	101.9	6.0	126.6	10.1	148.5	12.4	149.3	12.3	146.9
12:00	104.5	5.9	126.2	9.8	147.2	13.3	149.9	11.5	150.1
12:15	113.3	6.5	131.1	10.4	147.4	13.3	149.8	13.0	145.0
12:30	117.3	6.7	133.9	11.0	149.2	13.4	143.1	15.1	141.8



## Daily Summary Report

Site: ORNL Sodar

12/27/2018

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						
00:15						
00:30						
00:45						
01:00						
01:15						
01:30						
01:45						
02:00						
02:15						
02:30						
02:45						
03:00						
03:15						
03:30						
03:45	15.7	138.3	15.2	138.3		
04:00	13.7	139.7	14.7	141.0		
04:15	13.0	140.0	14.4	144.0		
04:30	13.0	141.0	14.0	147.0		
04:45	12.5	142.7	13.6	150.8	14.6	150.4
05:00	12.6	145.5	14.7	151.0	15.0	147.0
05:15	13.8	145.4	14.7	145.6	15.0	147.0
05:30	13.1	153.5	15.0	147.0	15.3	147.0
05:45	11.0	151.0	15.3	149.0	15.3	147.0
06:00	11.3	153.0	15.5	151.0	15.5	147.0
06:15	11.5	154.0	15.8	153.0	15.5	147.0
06:30	11.8	156.0	16.0	155.0	15.8	147.0
06:45	12.0	158.0	16.3	157.0	15.8	147.0
07:00	12.3	160.0	16.5	159.0	16.0	147.0
07:15	12.5	161.0	16.8	161.0	16.0	147.0
07:30	12.8	162.0	17.0	162.0	16.3	147.0
07:45	13.0	164.0	17.3	163.0	16.3	147.0
08:00	13.3	166.0	17.5	164.0	16.5	147.0
08:15	13.5	167.9	17.8	165.0	16.5	147.0
08:30	13.5	172.0	18.0	166.0	16.8	147.0
08:45	13.6	176.0	18.5	167.0	16.8	147.0
09:00	13.7	181.7	19.0	168.0	16.7	147.0
09:15	14.0	178.0	19.5	169.0	16.8	147.0
09:30	14.5	176.0	19.8	170.0	17.0	147.0
09:45	15.0	174.0	20.0	170.0	17.0	147.0
10:00	15.9	172.7	20.5	171.0	17.0	147.0
10:15	16.3	174.3	20.9	171.6	17.0	147.0
10:30	18.1	167.7	21.5	168.1	17.0	147.0
10:45	18.1	164.2	21.2	170.4	17.0	147.0
11:00	16.5	166.0	19.9	174.9	17.0	147.0
11:15	18.0	160.0	16.0	170.0	17.0	147.0
11:30	16.0	153.0	13.0	163.0	17.1	147.0
11:45	13.3	146.3	12.1	153.5	17.1	147.0
12:00	12.5	155.2	13.7	153.8	17.1	147.0
12:15	14.2	145.2	15.6	143.2	17.2	144.2
12:30	15.9	143.8	15.8	140.5	17.1	139.6

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:45	15.3	143.6	15.3	139.0		
13:00	13.9	134.9	14.8	137.8		
13:15	13.0	132.0	14.0	139.7		
13:30						
13:45						
14:00						
14:15						
14:30						
14:45						
15:00						
15:15						
15:30						
15:45						
16:00						
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21:30						
21:45						
22:00						
22:15						
22:30						
22:45						
23:00						
23:15						
23:30						
23:45						
Avg	13.9	156.8	16.6	156.7	16.4	146.8
Max	18.1	181.7	21.5	174.9	17.2	150.4
Hr. of Max	43	36	42	44	49	19
Min	11.0	132.0	12.1	137.8	14.6	139.6
Count	39	39	39	39	32	32
Total						