

## Daily Summary Report

Site: ORNL Sodar

12/1/2018

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	2.5	175.0	1.2	199.0	2.1	197.3	3.3	194.5	5.2
00:15	1.9	165.3	1.1	173.2	2.1	179.8	3.5	182.3	5.8
00:30	.7	122.4	1.1	173.3	2.7	175.8	3.8	178.7	5.3
00:45	.5	142.2	.9	176.8	2.6	175.5	3.2	176.6	2.9
01:00	.2	171.0	.7	187.2	1.7	180.8	2.3	178.8	2.3
01:15	.3	181.3	.6	206.1	1.7	191.0	2.7	192.9	4.0
01:30	.2	184.3	.3	215.5	1.7	200.5	3.0	203.5	4.2
01:45	.2	212.7	.7	215.3	1.9	201.7	3.4	198.7	4.8
02:00	.4	160.1	.9	206.8	2.0	201.6	3.6	198.7	6.0
02:15	.8	162.6	1.1	190.5	2.2	193.2	3.8	195.3	6.0
02:30	.6	124.3	.9	165.2	2.2	181.1	3.7	183.8	5.5
02:45	.7	94.3	.8	134.0	1.4	166.1	2.3	175.7	3.9
03:00	.3	105.8	.7	118.7	1.4	145.0	1.9	154.5	2.9
03:15	.2	124.3	.6	90.1	1.1	133.6	1.6	138.5	2.6
03:30	.3	103.9	.7	82.4	.4	101.0	.7	115.9	2.0
03:45	.3	87.6	.6	87.9	.4	81.4	.4	86.0	1.4
04:00	.3	90.9	1.0	87.5	.7	84.0	.5	89.5	.9
04:15	.3	68.6	.9	84.0	.8	83.8	.8	95.1	.6
04:30	.5	70.3	.8	82.5	1.0	88.9	1.4	92.3	1.6
04:45	.5	60.7	1.3	90.5	1.4	89.8	1.3	90.0	3.5
05:00	.5	41.0	1.0	81.6	1.2	81.7	1.0	79.5	3.0
05:15	.5	49.9	.8	75.4	.8	75.7	.9	73.6	1.4
05:30	.5	54.7	.5	94.6	.5	83.7	.4	101.1	.9
05:45	.6	59.9	.1	255.3	.4	94.8	1.0	126.5	2.5
06:00	.3	60.3	.2	287.7	.4	101.5	1.1	127.4	3.1
06:15	.3	39.5	.3	213.9	.4	146.3	1.2	162.3	3.4
06:30	.5	25.5	.5	192.6	.8	177.1	1.9	182.4	4.2
06:45	.5	8.6	.4	226.6	1.3	220.3	2.5	208.3	4.5
07:00	.7	250.4	1.7	234.6	3.1	229.0	4.2	219.8	6.3
07:15	1.6	210.6	3.1	217.7	5.0	215.1	6.4	209.3	9.0
07:30	2.2	188.6	5.3	198.9	7.9	198.9	9.9	195.1	11.6
07:45	3.8	185.3	5.5	198.3	8.1	196.6	9.6	194.1	11.6
08:00	3.7	190.9	4.3	204.6	6.8	201.2	8.3	197.6	10.7
08:15	2.2	193.0	3.3	201.6	5.6	198.1	7.2	194.6	9.0
08:30	1.0	178.2	1.6	156.4	2.9	171.6	3.7	173.8	6.0
08:45	.3	141.6	1.8	109.0	2.0	137.1	2.5	148.1	4.5
09:00	.2	139.2	1.3	109.3	1.5	135.9	2.2	154.2	4.1
09:15	.4	170.0	.7	126.0	.8	151.1	1.4	165.1	3.2
09:30	.3	103.0	.5	128.3	.5	179.8	1.0	192.4	2.4
09:45	.4	200.9	.4	136.5	.4	216.0	.9	216.0	1.9
10:00	.4	238.7	.4	150.4	.5	223.8	.7	226.9	1.1
10:15	.3	225.7	.3	127.8	.2	240.3	.4	240.2	.8
10:30	.2	284.6	.3	129.6	.2	184.4	.4	224.2	.7
10:45	.4	353.0	.4	138.4	.6	183.7	1.0	195.1	1.6
11:00	.7	3.7	.5	161.4	.9	189.6	1.4	196.1	2.3
11:15	.3	2.3	.5	191.2	1.2	206.3	1.9	206.3	2.9
11:30	.2	11.0	.8	202.4	1.4	219.3	2.4	217.1	3.8
11:45	1.0	200.0	1.6	210.3	2.3	213.0	3.3	209.7	4.6
12:00	.7	223.2	1.6	192.5	2.6	201.8	3.8	197.5	5.3
12:15	.6	339.7	1.0	163.1	1.6	187.1	2.7	184.9	4.8
12:30	.6	331.9	.4	128.3	.8	185.2	1.6	179.7	2.7



## Daily Summary Report

Site: ORNL Sodar

12/1/2018

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	186.5	8.2	184.4	10.6	187.6	10.4	190.0		
00:15	181.5	8.7	182.5	10.7	185.7	10.4	190.0		
00:30	181.6	8.9	181.6	11.0	185.0	10.4	189.0		
00:45	180.3	1.4	184.4	11.0	185.0	10.4	189.0		
01:00	189.5	1.2	195.8	11.5	184.0	10.4	188.0		
01:15	199.8	3.8	190.7	11.5	184.0	10.4	188.0		
01:30	204.8	6.4	188.6	12.0	184.0	10.4	187.0		
01:45	195.9	7.9	186.9	12.1	183.2	10.4	187.0		
02:00	192.4	9.0	187.2	11.6	185.1	10.4	187.0		
02:15	189.2	9.2	184.4	11.3	181.0	10.4	187.0		
02:30	180.9	8.5	177.7	10.4	177.6	10.4	186.0		
02:45	173.6	6.5	172.9	9.7	180.2	10.4	186.0		
03:00	163.7	5.0	174.1	8.8	180.4	11.9	184.6		
03:15	153.4	3.0	167.5	8.0	179.8	11.5	180.0		
03:30	133.7	2.0	139.2	5.0	170.5	11.0	176.0		
03:45	116.9	1.6	128.7	2.9	152.0	10.5	173.0		
04:00	115.5	1.2	136.3	4.7	147.4	10.0	170.0		
04:15	119.5	1.5	131.6	6.0	151.9	9.5	167.7	9.9	174.5
04:30	100.8	3.5	122.2	6.6	151.5	9.9	164.3	10.8	175.0
04:45	101.1	4.3	124.2	7.4	152.3	10.3	156.8	11.5	176.0
05:00	102.1	3.5	123.3	7.6	154.2	9.8	157.5	12.0	177.0
05:15	95.8	3.4	122.9	6.5	152.1	9.4	160.0	13.0	178.0
05:30	114.8	4.0	126.8	6.0	154.1	9.0	164.0	13.5	179.0
05:45	131.4	4.6	139.2	7.0	158.0	8.8	168.4	14.0	180.0
06:00	141.2	5.3	162.5	8.7	174.2	11.6	175.3	15.0	182.0
06:15	168.0	5.8	179.6	9.3	182.0	11.6	180.2	15.5	183.2
06:30	190.6	6.2	191.8	9.3	186.2	10.9	185.2	13.6	184.8
06:45	207.8	6.6	204.8	8.9	201.9	9.4	196.3	12.3	189.8
07:00	211.1	8.4	208.2	12.7	201.9	11.6	218.9	11.7	197.4
07:15	203.7	11.0	204.3	14.9	204.0	12.5	221.5	12.5	193.0
07:30	192.9	13.5	190.0	12.3	194.0	12.5	205.0	13.0	185.0
07:45	192.3	12.8	186.6	10.3	182.1	12.5	195.0	13.5	178.0
08:00	196.4	11.8	195.8	11.5	202.6	12.6	185.0	14.0	172.0
08:15	193.2	11.5	193.3	11.6	196.9	12.6	175.0	14.5	164.0
08:30	177.1	7.8	178.8	10.1	172.4	12.6	164.6	15.0	158.0
08:45	163.3	6.4	164.8	10.1	165.9	12.6	160.3	15.6	152.4
09:00	168.5	6.6	166.9	10.3	168.0	12.9	158.3	13.8	156.4
09:15	173.6	5.6	168.0	9.3	170.1	10.7	154.5	10.6	152.4
09:30	178.6	4.5	167.7	7.8	167.7	10.4	155.6	11.4	157.0
09:45	187.1	3.6	175.2	7.3	168.4	10.0	159.5	11.2	164.4
10:00	194.3	3.1	182.2	6.9	174.9	9.3	168.7	10.4	180.3
10:15	204.1	2.1	184.4	7.0	182.3	9.1	180.1	10.5	196.8
10:30	211.3	2.8	188.5	6.6	191.3	9.6	195.8	11.4	204.0
10:45	191.9	4.6	188.8	7.2	200.9	10.9	205.5	13.2	218.9
11:00	196.8	5.2	198.7	8.2	209.7	11.2	212.0	12.9	218.9
11:15	208.1	6.0	207.2	9.0	210.5	11.3	214.4	12.2	214.3
11:30	213.0	6.0	208.8	9.5	209.5	11.7	210.1	14.0	204.7
11:45	205.3	6.5	203.0	10.0	203.8	11.9	199.3	13.9	191.0
12:00	192.4	7.0	193.4	10.3	191.1	12.2	185.7	13.9	182.1
12:15	183.1	6.5	184.5	10.2	182.5	12.4	180.3	14.3	179.2
12:30	178.1	5.2	178.9	8.9	179.7	11.4	179.8	11.9	174.8



## Daily Summary Report

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12/1/2018

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						
04:00						
04:15						
04:30						
04:45						
05:00						
05:15						
05:30						
05:45						
06:00						
06:15						
06:30						
06:45						
07:00						
07:15						
07:30						
07:45						
08:00						
08:15						
08:30						
08:45	17.0	146.7				
09:00	13.9	157.0	18.5	159.2		
09:15	12.3	156.9	15.5	156.0		
09:30	12.4	158.6	14.3	157.0		
09:45	12.2	162.3	13.6	157.1		
10:00	12.8	170.0	14.0	170.0		
10:15	13.5	180.0	14.0	185.0		
10:30	14.0	195.0	14.0	198.0		
10:45	14.2	215.3	14.0	210.0		
11:00	13.9	212.0	14.4	223.9		
11:15	12.8	212.3	12.6	219.3		
11:30	13.7	209.9	13.0	211.0		
11:45	13.3	202.0	13.0	202.0		
12:00	13.0	195.0	13.0	194.0		
12:15	12.5	190.0	12.5	186.0		
12:30	12.0	184.0	12.5	178.0		

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:45	11.4	177.7	12.0	170.0		
13:00	12.1	181.2	11.4	163.8		
13:15	11.5	174.7	11.7	155.0		
13:30	11.0	172.0	12.0	146.9		
13:45	9.8	191.1	12.0	149.0		
14:00	9.9	192.1	11.8	152.0		
14:15	10.0	190.0	11.6	155.0		
14:30	11.0	188.0	11.4	158.0		
14:45	12.0	186.0	11.2	160.0		
15:00	12.8	183.7	11.2	164.0		
15:15	12.1	183.8	11.0	168.9		
15:30	10.0	175.3	11.2	167.0		
15:45	9.8	169.0	11.2	165.0		
16:00	11.2	156.0	11.3	163.0		
16:15	10.7	163.0	11.4	161.0		
16:30	10.7	180.7	11.4	159.0		
16:45	11.3	162.3	11.5	156.0		
17:00	10.5	166.8	11.6	153.0		
17:15	10.3	170.9	11.7	150.9		
17:30	10.4	168.0	11.8	151.0		
17:45	10.5	165.0	12.0	151.0		
18:00	10.7	163.9	12.3	152.1		
18:15	10.6	170.7	10.8	162.1		
18:30	10.6	175.8	11.4	174.4		
18:45	10.2	182.1	11.7	173.0		
19:00	10.7	180.5	11.7	172.0		
19:15	10.6	175.2	11.7	170.0		
19:30	10.6	168.2	11.7	168.0		
19:45	11.7	171.7	11.7	167.0		
20:00	12.8	175.5	11.7	165.0		
20:15	13.3	177.4	11.7	164.0		
20:30	13.0	175.0	11.7	162.0		
20:45	13.0	172.0	11.7	160.0		
21:00	12.8	169.0	11.7	158.0		
21:15	12.5	166.0	11.7	157.0		
21:30	12.3	163.0	11.7	155.0		
21:45	12.0	160.0	11.7	154.0		
22:00	11.8	157.0	11.7	152.0		
22:15	11.5	154.0	11.7	150.0		
22:30	11.3	151.0	11.7	147.0		
22:45	11.0	147.5	11.9	144.6		
23:00	11.3	160.0	12.0	160.0		
23:15	11.3	175.0	12.5	175.0		
23:30	11.5	190.0	12.5	190.0		
23:45	11.5	203.0	13.0	210.0		
Avg	11.8	175.9	12.2	167.8		
Max	17.0	215.3	18.5	223.9		
Hr. of Max	35	43	36	44		
Min	9.8	146.7	10.8	144.6		
Count	61	61	60	60	0	0
Total						