

## Daily Summary Report

Site: ORNL Sodar

5/4/2017

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	3.3	70.7	4.5	71.4	5.9	78.4	7.4	86.2	9.5
00:15	3.1	72.6	4.4	72.4	6.0	80.0	7.6	88.2	9.4
00:30	3.1	70.2	4.1	72.2	6.0	79.8	7.4	88.4	9.2
00:45	2.9	70.5	4.0	75.1	5.6	81.3	6.8	89.4	9.0
01:00	2.7	83.4	3.9	75.2	5.2	83.3	6.5	91.3	8.8
01:15	2.6	84.2	3.6	73.5	4.9	82.0	6.2	89.9	8.3
01:30	2.5	77.9	3.3	72.2	4.7	79.5	5.9	86.7	7.5
01:45	2.2	75.4	3.0	69.4	4.3	76.5	5.4	85.1	6.7
02:00	2.1	68.6	3.2	64.6	4.3	74.5	5.3	86.8	6.5
02:15	2.4	68.7	3.5	63.5	4.6	73.4	5.5	85.3	6.5
02:30	2.8	72.1	3.9	63.5	5.0	72.0	5.6	82.9	6.3
02:45	2.8	72.8	4.5	61.8	5.1	71.0	6.0	82.8	6.6
03:00	2.6	71.4	5.0	60.6	5.5	72.3	6.2	87.0	7.1
03:15	2.7	74.8	5.3	61.4	5.7	72.4	6.3	87.0	7.3
03:30	2.3	69.0	5.4	64.9	5.6	77.5	6.2	94.7	7.6
03:45	2.6	79.2	4.8	70.7	5.4	88.7	6.4	106.5	8.5
04:00	2.6	80.1	4.0	70.0	5.4	98.6	6.8	110.8	9.8
04:15	2.0	90.0	3.4	110.8	5.2	114.9	6.9	122.8	10.4
04:30	2.0	115.0	3.2	120.0	4.5	125.5	6.5	135.6	9.7
04:45	2.0	141.3	3.0	129.6	4.4	134.5	6.2	141.9	9.3
05:00	1.7	162.0	3.0	152.7	4.2	154.9	6.2	161.0	9.4
05:15	2.0	215.2	2.8	199.0	4.0	199.5	5.9	198.5	8.6
05:30	2.3	227.1	2.6	234.5	4.2	227.1	6.0	225.0	8.6
05:45	1.8	210.2	2.9	225.8	4.4	224.6	6.2	221.2	8.7
06:00	2.0	204.3	3.5	220.8	5.0	218.8	6.6	214.9	8.6
06:15	1.9	193.0	3.4	216.2	5.0	207.2	6.4	202.3	8.0
06:30	1.6	185.0	2.9	201.5	4.7	197.6	6.2	194.1	7.7
06:45	1.3	158.5	2.0	171.4	3.6	183.5	5.0	183.4	6.7
07:00	1.0	113.3	1.9	130.8	2.9	156.9	4.0	158.6	5.6
07:15	1.1	55.1	2.0	125.5	2.9	145.4	3.9	149.2	6.1
07:30	1.7	126.7	2.7	125.9	3.8	138.5	5.1	144.0	7.8
07:45	2.0	132.2	3.9	130.3	5.0	141.6	6.4	145.9	9.0
08:00	2.0	125.7	3.7	136.0	4.5	146.4	5.9	151.5	8.1
08:15	1.3	119.6	2.0	143.2	2.7	151.9	3.8	158.4	5.9
08:30	.5	191.6	1.0	182.8	1.8	179.0	2.6	181.7	4.5
08:45	1.5	195.3	1.8	222.0	2.8	205.3	4.2	199.2	5.8
09:00	2.7	193.8	4.2	209.7	6.1	199.3	7.8	195.5	9.4
09:15	2.9	194.9	5.1	201.2	6.9	199.6	8.5	198.3	10.6
09:30	2.3	195.8	4.4	206.6	6.1	211.4	7.7	210.0	9.7
09:45	2.9	187.6	4.7	209.1	6.2	212.8	7.5	213.8	9.5
10:00	2.2	187.0	4.5	209.3	5.4	201.2	7.1	202.1	9.1
10:15	1.8	178.8	3.3	208.6	5.0	197.5	6.7	196.9	8.5
10:30	1.8	167.1	2.9	198.6	5.1	199.6	6.5	202.9	8.3
10:45	1.6	175.0	2.8	189.9	4.6	201.9	6.3	206.0	7.7
11:00	.3	154.1	2.3	192.3	4.6	204.8	6.4	209.2	7.3
11:15	.4	284.5	1.9	225.3	4.3	226.1	6.1	220.1	7.1
11:30	.6	272.3	2.0	260.1	4.3	250.1	5.5	238.6	6.3
11:45	.9	267.6	2.1	265.9	4.6	254.3	6.0	246.2	6.8
12:00	1.4	265.8	3.0	262.1	5.5	254.3	7.1	248.0	8.3
12:15	1.6	260.9	3.7	251.9	6.1	248.6	7.4	242.5	9.1



## Daily Summary Report

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5/4/2017

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	93.3	9.8	99.1	7.3	129.7	9.3	139.1	11.5	140.0
00:15	94.8	9.0	102.6	7.7	131.0	10.8	138.2	10.7	143.0
00:30	95.7	8.4	107.4	8.1	130.0	11.1	144.0	11.3	146.0
00:45	97.7	8.6	111.8	8.9	133.7	11.1	146.9	13.2	141.2
01:00	99.8	8.1	114.0	9.2	138.9	11.2	153.1	13.7	141.3
01:15	99.9	7.9	117.7	9.5	142.8	11.1	156.0	12.7	145.0
01:30	100.1	8.3	119.9	9.8	145.3	11.1	151.9	12.7	145.0
01:45	104.7	8.2	124.6	9.8	148.6	11.0	153.9	12.8	146.0
02:00	111.2	8.2	130.3	10.1	154.0	11.1	160.5	12.9	146.0
02:15	111.6	8.1	131.9	10.1	154.9	11.5	157.3	13.0	147.0
02:30	110.4	7.9	133.0	10.4	154.6	12.4	157.8	13.1	147.2
02:45	110.2	7.8	133.8	11.2	153.2	12.4	155.8	13.2	147.8
03:00	109.3	8.2	132.2	11.6	147.7	12.3	149.0	14.1	143.3
03:15	109.0	9.0	130.2	12.7	143.4	13.5	147.4	13.5	141.8
03:30	114.1	10.0	131.1	13.8	142.0	14.5	144.9	13.1	137.0
03:45	121.8	11.3	134.4	14.6	142.0	15.0	143.0	14.3	135.3
04:00	127.7	12.7	138.0	15.1	143.1	14.9	143.5	14.5	140.7
04:15	135.0	13.1	142.4	14.7	147.0	15.2	146.9	14.9	138.6
04:30	145.0	12.2	152.2	14.4	158.1	14.4	153.1	16.5	135.0
04:45	154.9	12.0	162.8	13.9	164.4	13.2	153.7	15.0	160.0
05:00	168.7	11.8	174.5	12.6	179.2	13.9	191.5	14.0	185.0
05:15	200.6	10.3	201.4	12.1	200.7	13.7	206.6	13.8	213.2
05:30	221.6	10.3	217.8	13.3	217.4	13.3	218.0	14.4	217.9
05:45	215.4	10.1	212.3	13.4	214.1	13.3	223.0	14.4	215.0
06:00	207.0	8.8	200.6	10.5	195.0	12.0	210.0	14.4	213.0
06:15	197.8	8.5	191.7	10.1	182.6	11.0	198.0	14.4	211.0
06:30	188.5	8.7	185.5	9.9	181.1	10.0	185.0	14.5	209.0
06:45	181.4	8.1	180.3	9.2	180.6	10.5	176.5	14.5	207.0
07:00	164.3	7.2	162.2	9.7	164.9	8.9	165.4	14.5	206.0
07:15	153.6	7.8	154.3	11.4	157.8	10.0	160.0	14.8	204.0
07:30	150.7	9.7	153.8	12.5	157.1	11.0	153.0	14.8	203.0
07:45	151.6	10.7	153.8	12.7	151.3	13.0	147.3	15.0	201.0
08:00	155.6	9.5	160.3	10.5	154.3	11.5	160.0	15.3	200.0
08:15	165.0	7.5	167.2	9.1	167.0	10.7	171.7	15.5	199.0
08:30	182.4	5.9	181.2	9.1	187.4	9.3	182.8	15.5	198.0
08:45	196.2	7.2	197.3	11.1	198.1	11.3	204.6	15.8	196.0
09:00	194.6	10.4	197.1	12.7	198.2	13.3	204.1	16.0	195.0
09:15	196.3	11.1	200.2	13.5	201.9	13.7	202.9	16.2	193.8
09:30	205.4	10.9	206.8	13.5	205.9	14.8	203.2	17.9	194.7
09:45	208.7	11.3	206.3	12.8	201.7	15.1	200.0	17.4	197.1
10:00	202.7	10.9	197.5	13.2	194.6	15.3	189.4	17.4	198.0
10:15	200.9	10.2	196.8	13.1	194.8	14.9	184.2	17.6	198.0
10:30	203.3	9.7	202.2	12.3	198.4	13.7	195.1	17.7	198.0
10:45	203.3	9.4	204.3	12.3	203.7	13.4	202.4	17.9	198.6
11:00	210.4	8.7	207.2	11.3	208.6	13.0	210.5	17.0	206.8
11:15	222.4	8.1	214.1	9.9	210.1	11.9	213.3	13.5	212.5
11:30	234.9	7.3	226.9	8.8	219.3	9.6	212.1	10.3	215.0
11:45	243.5	7.8	235.6	9.2	224.3	10.2	213.2	11.0	211.8
12:00	243.1	9.6	233.4	10.9	220.3	12.3	212.1	13.1	205.1
12:15	235.5	10.7	227.7	11.9	215.8	12.5	210.1	13.6	205.7



## Daily Summary Report

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5/4/2017

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	15.7	138.4	13.8	143.8		
03:15	13.8	147.0	12.4	148.1	13.4	140.7
03:30	14.4	138.8	14.5	136.3	15.1	135.2
03:45	15.7	129.5	16.1	126.6	15.5	130.8
04:00	14.3	138.5	15.8	135.4	15.6	135.2
04:15	16.0	135.7	14.9	138.4		
04:30	17.5	132.9	15.0	138.0		
04:45	16.0	160.0				
05:00	15.0	190.0				
05:15	14.3	217.6				
05:30	13.8	220.6				
05:45	13.6	220.0				
06:00	13.6	220.0				
06:15	13.6	220.0				
06:30	13.6	219.0				
06:45	13.6	219.0				
07:00	13.6	219.0				
07:15	13.6	218.0				
07:30	13.6	218.0				
07:45	13.6	218.0				
08:00	13.6	217.0				
08:15	13.6	217.0				
08:30	13.6	217.0				
08:45	13.6	216.0				
09:00	13.6	216.0				
09:15	13.6	216.0				
09:30	13.6	215.0				
09:45	13.6	215.0				
10:00	13.6	214.0				
10:15	13.6	214.0				
10:30	13.6	214.0				
10:45	13.6	213.0				
11:00	13.6	213.0				
11:15	13.6	213.0				
11:30	13.5	213.0				
11:45	13.0	208.9				
12:00	13.0	205.0	14.2	201.3	16.1	203.7
12:15	12.9	209.5			16.0	204.1

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:30					15.9	204.5
12:45					15.8	205.2
13:00					15.7	206.0
13:15					15.6	206.7
13:30					15.5	207.5
13:45					15.4	208.2
14:00					15.3	208.9
14:15					15.2	209.7
14:30					15.0	210.4
14:45					14.8	211.2
15:00					14.7	211.9
15:15					14.6	212.6
15:30					14.5	213.4
15:45					14.4	214.1
16:00					14.3	214.9
16:15					14.2	215.6
16:30					14.0	216.3
16:45					13.9	217.1
17:00					13.7	217.8
17:15	14.9	148.7	12.3	136.7	13.6	218.6
17:30	12.8	144.2	13.5	142.5	13.4	219.3
17:45	12.0	143.0	12.0	141.0	13.2	220.0
18:00	10.7	141.6	11.4	140.6	13.0	220.8
18:15			11.4	147.0	12.8	221.5
18:30			11.4	155.0	12.6	222.3
18:45			11.4	162.0	12.4	222.7
19:00			11.4	170.0	12.2	223.1
19:15			11.4	178.0	12.0	223.5
19:30			11.4	185.0	11.8	223.9
19:45			11.4	192.0	11.6	224.3
20:00			11.3	202.0	11.4	224.7
20:15	10.8	215.9	11.3	213.6	11.2	225.4
20:30	10.7	215.0	11.4	214.0	12.0	222.0
20:45	10.6	215.0	11.5	214.0	13.0	218.0
21:00	10.5	214.9	11.6	214.2	13.4	216.6
21:15	9.9	207.9	10.3	207.7	11.7	214.8
21:30	9.9	214.8	8.9	215.4	11.2	214.7
21:45	11.9	218.6	11.6	225.0	11.2	220.2
22:00	11.0	221.0	11.3	225.0	11.0	221.0
22:15	10.5	224.0	11.0	225.0	10.8	221.0
22:30	9.5	227.0	10.8	225.0	10.5	221.0
22:45	9.0	230.0	10.5	225.0	10.3	221.0
23:00	8.5	232.0	10.3	225.0	10.3	222.0
23:15	8.0	235.0	10.0	224.0	10.0	222.0
23:30	7.5	237.0	9.8	224.0	9.8	222.0
23:45	7.0	240.0	9.5	224.0	9.5	222.0
Avg	12.8	201.6	11.9	183.4	13.3	210.2
Max	17.5	240.0	16.1	225.0	16.1	225.4
Hr. of Max	18	95	15	92	48	81
Min	7.0	129.5	8.9	126.6	9.5	130.8
Count	57	57	35	35	52	52
Total						