

## Daily Summary Report

Site: ORNL Sodar

1/29/2019

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	.4	250.6	2.4	234.9	3.4	261.3	4.3	265.3	4.9
00:15	.3	203.2	2.0	248.9	3.3	258.7	3.8	268.0	5.0
00:30	.2	185.4	2.0	252.4	3.3	257.3	5.0	250.0	
00:45	1.1	209.5	2.2	229.0	3.0	239.6	7.0	235.0	
01:00	2.0	184.8	2.4	235.3	3.4	233.9	8.5	215.0	12.3
01:15	.2	168.5	2.4	257.8	3.4	246.2	8.0	220.0	
01:30	.3	113.5	2.3	257.5	3.0	247.3	7.0	225.0	
01:45	.3	118.1	2.0	252.8	2.8	242.0	6.0	230.0	
02:00	.2	203.1	1.6	251.9	2.7	235.1	5.0	235.0	
02:15	.3	204.8	1.4	250.6	2.9	249.5	3.5	241.9	
02:30	.6	257.0	2.4	268.9	3.8	263.0	4.0	250.0	
02:45	.9	268.8	3.2	281.3	4.8	284.6	5.0	265.0	
03:00	.5	269.5	1.6	290.9	3.4	281.4	5.1	279.5	4.0
03:15	.3	304.8	.6	304.8	1.4	279.2	1.7	291.0	1.3
03:30	.6	317.6	.4	288.4	1.1	282.0	1.0	297.3	1.0
03:45	.4	294.9	.3	269.3	1.0	281.8	1.0	299.7	1.1
04:00	.2	285.8	.4	282.9	1.1	302.0	1.6	300.4	1.4
04:15	1.7	273.3	1.0	303.5	3.8	287.2	4.8	286.0	5.1
04:30	3.6	272.9	5.0	278.9	6.8	282.9	8.2	286.8	9.9
04:45	5.2	276.1	6.8	279.9	8.5	282.9	9.3	288.5	10.2
05:00	5.4	284.5	7.0	283.0	7.6	286.9	8.8	290.1	9.4
05:15	3.4	288.1	4.7	284.6	5.3	293.0	7.2	291.7	8.7
05:30	4.4	277.8	4.0	273.8	5.1	285.6	6.9	288.7	8.1
05:45	2.3	300.0	4.3	276.3	6.1	283.2	7.7	287.9	8.4
06:00	.5	326.7	2.8	287.1	5.0	287.1	7.1	291.7	8.2
06:15	.4	49.0	2.5	280.5	3.9	286.6	6.3	290.2	7.9
06:30	2.1	277.9	3.8	274.2	5.4	285.5	6.9	288.2	8.3
06:45	4.1	274.3	5.4	282.6	6.4	290.0	7.6	288.7	8.4
07:00	1.4	277.0	4.4	288.6	6.2	286.6	8.5	284.6	8.9
07:15	12.0	283.0	3.5	278.0	5.9	276.8	8.8	278.8	9.7
07:30	1.0	288.0	3.5	274.0	6.4	276.9	8.5	279.2	9.5
07:45	.8	294.7	3.4	274.0	7.1	276.9	8.5	279.5	10.1
08:00	1.2	288.0	4.5	273.0	7.0	275.5	8.7	278.0	10.5
08:15	2.0	280.0	4.6	273.5	6.6	277.7	8.8	279.6	9.9
08:30	2.7	272.3	5.0	275.5	7.1	277.6	8.8	278.5	10.3
08:45	3.8	267.9	5.5	276.0	7.6	277.1	9.1	276.7	10.5
09:00	3.0	277.0	4.4	274.7	8.2	277.9	9.5	278.0	10.1
09:15	2.0	288.1	5.0	271.9	7.1	279.0	8.6	279.7	10.3
09:30	2.3	285.4	4.7	273.1	6.2	278.6	7.9	280.9	10.0
09:45	2.0	286.3	3.1	276.0	5.5	278.2	7.3	280.2	9.1
10:00	1.4	302.2	3.5	276.3	4.9	281.8	6.7	281.2	6.9
10:15	2.0	297.7	4.1	277.4	6.0	284.9	7.2	282.7	7.4
10:30	3.4	286.9	6.1	276.5	6.5	285.5	7.2	283.6	8.2
10:45	2.9	281.4	7.4	274.3	6.4	284.4	7.0	283.2	7.8
11:00	2.4	275.5	5.8	275.8	6.7	283.9	7.0	286.3	7.4
11:15	3.5	276.0	5.5	279.7	6.8	287.8	6.8	289.1	7.1
11:30	4.5	276.5	6.6	283.1	6.8	288.7	7.2	283.4	7.6
11:45	4.9	273.7	6.8	279.4	6.3	283.3	7.1	281.3	7.8
12:00	5.7	275.0	6.1	275.3	6.8	277.1	6.9	278.3	7.1
12:15	5.4	275.6	5.5	276.1	6.5	276.5	6.6	279.4	6.1
12:30	3.6	274.6	5.5	275.6	6.4	274.2	6.6	278.4	6.3



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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	286.5								
00:15	283.3								
00:30									
00:45									
01:00	203.4	10.8	213.0	12.9	218.2	14.9	220.8	17.9	222.8
01:15				12.2	225.0	14.0	225.0	16.0	228.0
01:30				11.5	232.0	13.5	230.0	15.0	234.0
01:45				11.0	240.0	13.0	235.0	14.0	240.0
02:00				10.5	248.0	12.5	245.0	13.5	244.0
02:15				10.0	256.0	12.0	255.0	13.0	248.0
02:30				9.5	264.0	11.5	263.0	12.5	252.0
02:45				9.5	270.0	11.0	270.0	12.0	260.0
03:00	277.1	4.4	285.0	9.1	278.4	10.5	276.0	11.5	270.0
03:15	275.9	1.5	313.7	7.5	285.0	9.5	282.0	11.0	280.0
03:30	308.0	2.3	327.0	6.1	293.0	8.8	288.3	10.9	288.1
03:45	328.5	3.1	318.9	6.7	293.7	8.5	296.3	10.4	290.8
04:00	339.0	3.3	321.6	6.8	298.3	8.2	299.7	9.8	291.9
04:15	294.9	7.3	303.3	8.8	305.4	9.2	302.0	10.6	297.5
04:30	289.3	10.9	300.3	12.2	307.0	12.6	303.3	11.8	301.1
04:45	292.8	11.4	303.4	12.9	309.5	13.3	307.7	11.7	303.7
05:00	296.7	10.6	305.4	12.2	313.0	13.4	311.0	11.6	309.7
05:15	295.0	9.6	302.1	10.7	312.5	12.1	312.7	11.5	306.6
05:30	291.6	9.5	300.1	10.8	310.5	11.1	313.9	11.6	305.9
05:45	292.7	9.9	300.8	11.5	309.1	11.9	314.0	12.1	311.2
06:00	294.6	9.4	300.5	10.6	310.4	11.3	314.2	12.3	314.0
06:15	293.4	9.0	300.6	9.6	309.7	11.1	314.7	12.4	309.7
06:30	293.0	8.5	301.1	9.6	311.1	11.9	315.1	12.8	309.0
06:45	293.9	9.2	300.1	10.3	312.9	12.5	314.9	13.6	312.2
07:00	290.8	10.7	299.9	11.5	310.1	12.5	315.8	14.2	315.7
07:15	278.5	10.6	292.5	11.6	299.6	12.1	310.5	13.3	310.2
07:30	279.9	10.9	287.1	11.5	300.4	13.2	307.5	13.6	312.0
07:45	283.3	11.2	289.8	12.2	302.1	12.9	310.3	13.6	315.1
08:00	281.9	10.8	294.3	12.3	302.3	12.1	313.2	12.2	314.3
08:15	285.4	10.4	296.8	12.3	303.5	11.5	312.3	11.7	317.1
08:30	280.3	9.6	291.1	12.4	305.0	10.2	308.5	12.0	317.0
08:45	281.2	10.2	296.3	11.4	306.8	10.4	310.6	12.0	318.0
09:00	285.7	10.9	297.0	10.8	303.3	10.8	313.8	12.3	318.0
09:15	283.9	9.9	293.3	10.7	299.6	10.2	309.9	12.3	311.2
09:30	283.9	10.3	290.6	10.7	302.4	9.7	307.3	11.2	310.2
09:45	283.8	10.3	287.5	10.1	306.7	9.3	312.4	9.4	318.8
10:00	288.7	10.0	291.4	9.2	305.2	9.2	312.5	8.7	317.1
10:15	287.3	9.7	293.3	9.8	299.7	9.6	307.1	9.3	304.3
10:30	283.6	8.6	293.4	10.5	298.9	9.7	300.2	9.3	308.2
10:45	282.5	8.9	290.2	11.1	299.3	9.2	293.1	8.6	309.8
11:00	280.3	9.1	289.6	11.2	301.6	9.0	293.8	8.5	306.0
11:15	283.8	8.1	291.2	10.6	304.8	9.8	297.9	9.4	312.1
11:30	282.4	8.5	284.5	9.2	298.6	10.5	293.3	8.8	312.7
11:45	278.0	8.4	283.4	7.3	294.9	7.6	293.0	7.0	305.1
12:00	276.8	7.0	285.6	7.2	293.1	7.4	290.8	7.2	291.5
12:15	277.5	7.0	284.0	8.5	297.8	9.2	298.8	10.1	301.5
12:30	274.8	6.5	283.3	8.3	297.7	10.1	300.2	11.7	310.9



## Daily Summary Report

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1/29/2019

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	18.6	224.3	17.6	224.7		
01:15	18.0	230.0				
01:30	17.0	235.0				
01:45	16.0	240.0				
02:00	15.0	245.0				
02:15	14.0	250.0				
02:30	13.0	255.0				
02:45	13.0	260.0				
03:00	12.0	265.0				
03:15	11.0	272.0				
03:30	10.9	279.5	14.6	276.4		
03:45	10.3	285.1	14.0	280.0		
04:00	10.5	290.0	13.0	283.0		
04:15	10.5	295.0	12.0	287.0		
04:30	10.5	300.0	11.0	291.0		
04:45	10.8	306.0	10.5	296.8		
05:00	10.7	308.4	10.1	299.7		
05:15	10.0	307.7	9.0	303.6		
05:30	11.6	309.0	10.0	306.0		
05:45	12.4	309.0	11.0	308.0		
06:00	12.0	310.2	12.0	312.0		
06:15	12.2	308.3	12.7	315.0		
06:30	12.7	308.7	11.7	308.5	13.1	314.8
06:45	13.4	313.3	11.8	310.0	13.5	319.5
07:00	13.4	311.5	12.3	310.4	14.0	319.0
07:15	13.1	304.9	13.0	308.7	15.0	319.0
07:30	14.2	308.1	16.1	309.5	16.0	319.0
07:45	14.6	310.8	15.6	310.5	16.1	318.5
08:00	13.2	319.3	13.7	315.7	12.5	318.2
08:15	12.3	324.8	14.8	319.6		
08:30	12.0	322.0				
08:45	12.0	320.0				
09:00	11.5	318.0				
09:15	11.0	316.0				
09:30	10.5	314.0				
09:45	10.0	313.0				
10:00	9.5	311.0				
10:15	9.0	310.0				
10:30	8.6	309.0				
10:45	9.9	304.9				
11:00	8.3	315.9				
11:15	8.2	319.1				
11:30	8.7	314.1				
11:45	6.8	297.4				
12:00	8.0	298.0				
12:15	9.0	299.0				
12:30	9.5	300.0				

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:45	10.0	301.0				
13:00	10.5	301.0				
13:15	11.0	303.0				
13:30	11.5	303.0				
13:45	12.0	304.0				
14:00	12.5	305.0				
14:15	12.9	306.6				
14:30						
14:45						
15:00						
15:15						
15:30						
15:45						
16:00						
16:15						
16:30						
16:45						
17:00						
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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	11.7	296.1	12.7	298.9	14.3	318.3
Max	18.6	324.8	17.6	319.6	16.1	319.5
Hr. of Max	04	33	04	33	31	27
Min	6.8	224.3	9.0	224.7	12.5	314.8
Count	54	54	21	21	7	7
Total						