

Daily Summary Report

Site: ORNL Sodar

2/17/2019

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	.6	44.8	.6	58.8	1.6	58.9	3.4	62.0	5.3
00:15	1.2	70.0	.8	67.8	2.1	65.5	3.9	63.5	5.3
00:30	2.2	72.6	.8	66.6	2.4	66.5	3.8	62.1	5.1
00:45	2.0	65.1	.9	68.8	2.3	67.0	4.0	62.1	4.9
01:00	1.8	63.9	1.2	74.3	2.2	64.7	4.1	62.8	4.8
01:15	1.4	63.9	1.0	67.7	2.1	60.4	4.0	61.7	4.4
01:30	.9	54.4	.6	47.6	1.7	59.6	3.5	59.8	3.4
01:45	.9	53.9	.4	39.2	1.2	52.1	2.8	52.2	2.5
02:00	.8	61.0	.2	27.2	1.2	50.2	2.6	51.0	2.0
02:15	.6	66.8	.4	75.6	1.5	62.1	3.0	62.3	2.5
02:30	1.5	81.0	.8	88.6	2.2	74.0	4.5	70.7	3.3
02:45	1.6	86.7	.6	94.0	2.3	69.5	4.6	68.2	3.4
03:00	1.0	94.2	1.0	77.8	2.6	55.7	4.1	60.4	2.9
03:15	1.1	92.7	1.4	80.1	3.0	63.0	4.3	63.2	2.5
03:30	1.5	97.1	1.4	77.4	2.9	71.1	4.3	68.6	2.8
03:45	1.2	102.0	.9	76.3	2.2	71.0	3.5	69.7	2.4
04:00	.5	100.7	.5	83.1	1.3	71.7	2.6	71.4	2.0
04:15	.5	98.1	.8	88.7	1.5	74.5	2.8	77.6	2.3
04:30	.5	97.2	.7	108.1	1.7	80.3	3.1	83.6	2.7
04:45	.5	90.7	.2	155.5	1.4	79.1	2.4	85.2	2.3
05:00	.5	87.0	.2	111.6	.6	85.8	1.1	87.4	1.6
05:15	.5	88.4	.4	90.2	.4	113.9	1.1	91.7	1.9
05:30	.6	73.5	.2	67.1	1.0	76.0	1.9	91.7	2.5
05:45	.7	38.9	.6	13.5	.9	58.4	1.8	91.3	1.9
06:00	.5	11.7	.2	1.1	.4	85.7	1.4	126.7	2.3
06:15	.3	37.0	.4	230.9	2.5	95.2	2.8	118.9	3.0
06:30	.2	77.7	.6	46.1	2.2	95.1	2.8	118.3	3.0
06:45	.1	179.4	.4	328.9	1.1	88.5	1.8	125.1	1.9
07:00	.2	202.8	.5	268.3	.3	108.3	1.1	162.0	2.0
07:15	.1	171.9	.5	242.0	.3	125.9	1.1	159.1	2.6
07:30	.1	74.6	.2	222.2	.4	28.0	.9	91.0	1.8
07:45	.5	280.9	.1	258.2	.6	14.9	1.0	82.8	1.9
08:00	.6	276.2	.6	248.3	1.2	61.1	1.0	115.0	1.8
08:15	.1	263.5	.2	32.6	1.3	67.9	.9	39.2	.6
08:30	.1	114.5	.5	68.3	1.6	70.5	1.8	69.7	.1
08:45	.1	34.3	.5	54.3	2.0	75.5	2.4	80.8	1.0
09:00	.2	58.6	.4	5.1	1.4	68.4	2.0	75.1	.7
09:15	.2	62.1	.2	324.3	.9	56.0	1.9	64.9	.9
09:30	.1	336.7	.6	26.3	1.3	52.2	2.3	56.6	.7
09:45	.1	93.7	.6	28.2	1.1	49.9	2.0	56.3	.8
10:00	.1	102.8	.0	63.3	.6	57.9	1.9	71.8	1.5
10:15	.2	266.8	.2	111.3	.9	65.1	2.4	73.0	1.6
10:30	.1	244.4	.5	75.1	2.2	71.4	3.0	74.1	1.3
10:45	.1	218.3	.7	69.7	2.2	70.9	3.0	73.8	1.5
11:00	.3	117.2	.6	73.9	1.2	67.0	2.5	70.2	1.6
11:15	1.2	96.5	.2	109.4	.7	54.8	2.0	66.1	1.6
11:30	1.2	104.2	.1	12.3	.6	48.6	1.8	82.7	2.0
11:45	.6	119.1	.2	24.5	.9	61.1	2.0	87.0	1.8
12:00	.3	118.7	.1	355.2	1.0	80.7	1.7	91.3	1.4
12:15	.3	122.4	.1	55.6	1.0	87.1	1.9	101.9	1.5
12:30	.3	118.6	.1	21.5	.7	84.1	1.6	104.3	1.4

Daily Summary Report

Site: ORNL Sodar

2/17/2019

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	76.0	4.0	90.2	3.3	95.0	2.9	109.6	3.0	147.4
00:15	76.4	4.0	89.8	4.0	100.6	2.7	101.9	3.6	153.9
00:30	72.6	4.5	85.2	3.5	90.7	4.0	115.0	4.5	154.3
00:45	68.3	4.4	83.2	3.4	75.5	2.3	118.2	4.1	164.9
01:00	66.8	3.9	90.4	2.5	93.5	2.7	129.8	3.7	172.7
01:15	66.0	3.5	89.9	1.8	102.6	2.4	142.5	3.9	177.8
01:30	68.9	2.6	85.5	.7	101.4	1.4	121.7	2.9	178.7
01:45	67.3	1.5	83.0	.6	57.7	.7	105.2	2.2	186.8
02:00	63.7	.8	80.9	1.0	96.6	.8	164.7	4.0	188.1
02:15	71.5	.9	95.5	1.2	108.0	1.5	158.2	5.8	182.2
02:30	76.8	2.2	93.7	.7	131.5	2.4	150.0	7.0	180.4
02:45	75.6	2.5	89.6	1.8	104.4	2.7	155.1	7.1	180.2
03:00	78.1	2.1	87.1	2.3	88.7	3.0	166.4	6.9	180.2
03:15	75.1	2.1	95.9	1.5	110.8	4.2	179.4	7.9	186.6
03:30	76.3	1.9	105.6	2.1	141.8	4.4	185.1	9.2	193.0
03:45	86.8	1.3	102.8	2.7	146.1	4.4	182.2	9.3	192.7
04:00	84.2	.7	100.0	2.2	154.9	4.8	182.1	9.8	193.0
04:15	90.9	1.1	89.3	2.5	159.4	5.8	185.2	10.1	193.6
04:30	98.3	1.7	99.6	3.0	166.4	6.1	192.3	10.6	195.2
04:45	100.1	1.9	114.8	2.9	173.3	5.7	202.1	10.3	197.1
05:00	104.0	1.8	123.2	3.4	184.7	5.9	205.7	9.6	198.7
05:15	102.7	2.1	133.0	3.6	189.3	6.8	203.7	11.8	194.6
05:30	104.0	2.8	130.1	4.1	186.0	8.8	195.4	13.8	188.7
05:45	111.1	2.7	136.3	4.7	188.9	9.0	191.3	12.5	191.8
06:00	152.1	3.6	195.7	8.4	197.3	10.5	188.0	12.0	195.2
06:15	160.4	5.0	192.1	10.1	187.6	14.9	176.1	11.5	196.0
06:30	171.9	5.5	190.0	10.8	187.7	14.0	179.8	11.5	198.0
06:45	177.4	4.3	196.6	9.4	193.6	12.3	188.8	11.5	200.0
07:00	195.7	4.9	207.5	10.9	195.5	16.1	192.0	11.5	200.0
07:15	187.6	5.8	201.5	11.8	191.3	16.4	188.6	11.0	201.0
07:30	171.4	4.1	193.8	8.6	191.8	14.1	188.2	11.0	202.0
07:45	180.9	4.2	196.1	7.7	195.8	12.9	189.3	11.0	203.0
08:00	182.2	4.0	196.5	6.0	205.0	8.0	195.0	11.0	203.0
08:15	337.6	1.5	238.9	4.0	216.3	5.9	201.7	10.0	203.4
08:30	290.1	1.8	237.4	3.8	215.9	7.1	201.0	9.8	198.9
08:45	145.3	2.2	212.6	4.0	208.2	8.1	196.6	11.6	193.9
09:00	111.5	1.7	220.7	4.0	223.4	7.0	204.3	11.1	198.3
09:15	77.4	1.1	230.2	4.1	234.1	7.5	212.6	11.0	201.4
09:30	59.4	1.1	223.3	4.0	231.1	8.2	208.9	11.8	199.4
09:45	54.6	.7	206.6	3.6	227.9	7.3	211.4	12.0	200.1
10:00	75.3	.6	151.6	2.9	220.3	5.9	219.4	11.0	198.0
10:15	57.7	.3	80.4	1.9	236.4	5.4	219.8	10.0	195.3
10:30	55.5	.5	67.3	2.5	226.7	6.6	207.8	11.0	195.5
10:45	63.3	.5	71.0	2.9	220.6	6.8	205.5	11.5	194.1
11:00	56.0	.3	358.3	2.7	234.1	6.1	210.5	10.6	198.1
11:15	58.1	.3	330.0	2.8	241.3	5.5	212.0	10.9	201.5
11:30	83.5	.3	145.4	3.6	213.3	8.7	212.6	12.7	203.7
11:45	96.4	1.1	167.7	4.0	210.0	9.9	225.5	13.0	206.0
12:00	107.3	1.3	180.9	4.6	220.5	7.0	212.7	13.0	210.0
12:15	118.2	1.4	193.2	5.2	221.7	8.1	209.9	13.0	213.0
12:30	126.0	1.3	194.9	4.7	221.7	9.0	208.0	13.0	215.0

Daily Summary Report

Site: ORNL Sodar

2/17/2019

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	5.6	177.5	10.7	184.7		
00:15	6.4	181.1				
00:30	6.5	183.7				
00:45	6.6	190.0				
01:00	7.0	189.0				
01:15	7.0	188.0				
01:30	7.5	187.0				
01:45	8.0	186.0				
02:00	8.2	185.4				
02:15	11.2	181.8				
02:30	12.5	182.4				
02:45	12.9	182.6				
03:00	12.9	183.3				
03:15	14.7	185.2				
03:30	15.8	188.7				
03:45	15.3	188.8				
04:00	15.1	188.5				
04:15	15.7	187.8				
04:30	16.0	187.1				
04:45	13.7	191.8				
05:00	14.0	192.0				
05:15	14.0	192.0				
05:30	14.5	192.0				
05:45	14.5	192.0				
06:00	15.0	192.0				
06:15	15.0	192.0				
06:30	15.5	192.0				
06:45	15.5	192.0				
07:00	16.0	192.0				
07:15	16.0	192.0				
07:30	16.5	192.0				
07:45	16.5	192.0				
08:00	17.0	192.0				
08:15	17.5	192.0				
08:30	18.1	192.1				
08:45	17.2	189.1				
09:00	16.6	190.6				
09:15	16.4	195.3				
09:30	16.9	194.7				
09:45	16.5	196.1				
10:00	16.4	193.0				
10:15	16.3	190.0				
10:30	16.1	189.6				
10:45	15.5	188.8				
11:00	14.3	192.4				
11:15	14.6	194.1				
11:30	14.6	197.0				
11:45	14.6	200.0				
12:00	14.6	203.0				
12:15	14.6	206.0				
12:30	14.6	209.0				

	22_WS700m	23_WDir700m	24_WS800m	25_WDir800m	26_WS900m	27_WDir900m
Hour	M/SEC	DEG	M/SEC	DEG	M/SEC	DEG
12:45	14.6	212.0				
13:00	14.6	215.0				
13:15	14.6	218.0				
13:30	14.6	221.0				
13:45	14.6	223.3	15.1	221.7	15.7	226.1
14:00	14.4	216.9	16.4	219.5	16.8	221.8
14:15	16.1	216.9	16.8	220.1	16.9	221.8
14:30	16.7	216.9	17.7	219.9	16.5	222.5
14:45	16.1	216.2	17.8	221.3	17.0	225.0
15:00	17.0	214.0	16.1	225.1	17.0	225.0
15:15	15.0	216.0	17.0	225.0	17.0	225.0
15:30	16.3	216.7	17.0	225.0	17.0	225.0
15:45	16.8	218.6	17.0	225.0	17.0	225.0
16:00	17.1	220.2	17.0	225.0	17.0	225.0
16:15	17.5	221.5	17.9	225.3	18.6	225.4
16:30	17.2	220.8	17.2	224.7		
16:45	16.9	223.6	17.8	223.9		
17:00	17.3	223.4	19.5	220.5		
17:15	17.0	224.0	19.0	225.0		
17:30	17.0	225.0	19.0	225.0		
17:45	17.0	225.0	19.0	225.0		
18:00	17.0	226.0	18.0	225.0		
18:15	16.5	226.0	18.0	225.0		
18:30	16.5	227.0	18.0	225.0		
18:45	16.0	227.0	18.0	225.0		
19:00	16.0	228.0	17.0	225.0		
19:15	15.5	229.0	17.0	225.0		
19:30	15.5	230.0	17.0	225.0		
19:45	15.0	232.1	16.7	231.9		
20:00	15.8	230.5	16.4	230.0		
20:15	16.0	229.0	16.0	231.0		
20:30	16.0	226.0	16.0	231.0		
20:45	15.6	223.1	16.0	231.0		
21:00	15.2	226.5	16.0	231.0		
21:15	15.0	223.0	16.0	231.0		
21:30	14.5	229.0	16.0	231.0		
21:45	14.8	233.0	16.0	231.0		
22:00	15.0	232.0	16.0	231.0		
22:15	15.0	231.0	16.0	231.0		
22:30	15.0	230.0	16.0	231.0		
22:45	15.0	229.0	16.0	231.0		
23:00	15.3	228.0	16.0	231.0		
23:15	15.5	227.0	16.0	231.0		
23:30	15.5	226.0	16.0	231.0		
23:45	15.8	225.0	16.0	231.0		
Avg	14.7	206.3	16.8	225.8	17.0	224.3
Max	18.1	233.0	19.5	231.9	18.6	226.1
Hr. of Max	34	87	68	79	65	55
Min	5.6	177.5	10.7	184.7	15.7	221.8
Count	96	96	42	42	11	11
Total						