

Daily Summary Report

Site: ORNL Sodar

7/2/2018

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 | 198.9 | .1 | 279.7 | .4 | 154.2 | .6 | 150.2 | 1.7 |
| 00:15 | .9 | 186.0 | .2 | 246.0 | .5 | 157.8 | .8 | 159.3 | 2.5 |
| 00:30 | .9 | 185.2 | .3 | 238.6 | .6 | 194.0 | 1.3 | 187.7 | 2.8 |
| 00:45 | .7 | 221.6 | .9 | 273.8 | .7 | 225.8 | .9 | 204.0 | 2.3 |
| 01:00 | .4 | 257.0 | 1.3 | 286.3 | .5 | 245.3 | .4 | 193.0 | 1.9 |
| 01:15 | .3 | 250.3 | 1.8 | 297.9 | 1.1 | 269.3 | .7 | 227.4 | 1.6 |
| 01:30 | .6 | 264.6 | 2.0 | 295.1 | 1.2 | 269.3 | 1.0 | 247.7 | 2.0 |
| 01:45 | .6 | 261.6 | 1.5 | 288.2 | .7 | 264.9 | 1.0 | 239.9 | 2.3 |
| 02:00 | .4 | 222.8 | 1.2 | 292.0 | .5 | 278.6 | .8 | 238.6 | 1.8 |
| 02:15 | .5 | 229.4 | 1.0 | 284.0 | .3 | 272.2 | .6 | 225.2 | 1.6 |
| 02:30 | .5 | 213.3 | .4 | 280.5 | .2 | 271.1 | .4 | 204.2 | 1.6 |
| 02:45 | .5 | 179.7 | .1 | 232.1 | .2 | 226.3 | .7 | 188.9 | 1.4 |
| 03:00 | .7 | 169.9 | .2 | 198.1 | .4 | 167.3 | 1.1 | 185.9 | 1.5 |
| 03:15 | .7 | 180.6 | .5 | 156.8 | .9 | 159.7 | 1.5 | 175.1 | 1.8 |
| 03:30 | .4 | 192.7 | .5 | 140.5 | 1.2 | 155.6 | 1.7 | 170.0 | 1.2 |
| 03:45 | .4 | 183.1 | .4 | 90.2 | 1.0 | 143.2 | 1.2 | 162.7 | .9 |
| 04:00 | .2 | 138.6 | .8 | 99.7 | .8 | 142.9 | .8 | 167.2 | 1.1 |
| 04:15 | .2 | 170.7 | .7 | 119.5 | .7 | 159.0 | .5 | 188.3 | 1.0 |
| 04:30 | .3 | 231.0 | .5 | 132.6 | 1.1 | 158.7 | .6 | 169.1 | .7 |
| 04:45 | .2 | 240.0 | .6 | 143.7 | 1.5 | 158.8 | 1.2 | 167.0 | .5 |
| 05:00 | .4 | 217.9 | .3 | 150.5 | 1.4 | 162.8 | 1.9 | 173.0 | .8 |
| 05:15 | .5 | 214.2 | .3 | 146.9 | 1.2 | 167.0 | 1.8 | 174.2 | .9 |
| 05:30 | .4 | 250.1 | .5 | 166.7 | 1.0 | 169.3 | .6 | 165.2 | .4 |
| 05:45 | .2 | 277.7 | .4 | 164.3 | .6 | 167.9 | .2 | 68.4 | .2 |
| 06:00 | .2 | 289.3 | .5 | 201.4 | .4 | 173.1 | .5 | 100.3 | .8 |
| 06:15 | .3 | 284.3 | .4 | 251.9 | .3 | 156.6 | .4 | 84.8 | .5 |
| 06:30 | .2 | 266.5 | .3 | 327.4 | .2 | 155.8 | .2 | 336.9 | .2 |
| 06:45 | .2 | 243.9 | .3 | 34.2 | .2 | 137.2 | .2 | 89.2 | 1.0 |
| 07:00 | .1 | 236.8 | .7 | 69.7 | .6 | 110.3 | .5 | 105.9 | 1.5 |
| 07:15 | .1 | 88.7 | 1.0 | 78.4 | .7 | 107.0 | .3 | 128.7 | .9 |
| 07:30 | .1 | 87.9 | .8 | 68.4 | .6 | 123.8 | .6 | 156.1 | .3 |
| 07:45 | .2 | 107.7 | .9 | 69.8 | .6 | 142.9 | 1.0 | 160.5 | .2 |
| 08:00 | .4 | 140.6 | 1.1 | 84.9 | 1.1 | 139.4 | 1.4 | 159.7 | 1.0 |
| 08:15 | .5 | 128.4 | 1.1 | 92.6 | 1.5 | 133.7 | 1.5 | 152.6 | 2.2 |
| 08:30 | .3 | 115.9 | .6 | 65.7 | 1.0 | 117.7 | .9 | 131.2 | 2.0 |
| 08:45 | .5 | 93.1 | .5 | 54.2 | .6 | 86.5 | .6 | 96.5 | 1.1 |
| 09:00 | .6 | 69.8 | .6 | 84.0 | .3 | 100.1 | .2 | 194.6 | .6 |
| 09:15 | .4 | 63.6 | .5 | 84.7 | .2 | 110.6 | .3 | 216.7 | .4 |
| 09:30 | .3 | 95.3 | .6 | 116.7 | .4 | 151.0 | .4 | 174.1 | .5 |
| 09:45 | .2 | 111.6 | .5 | 165.7 | .7 | 190.3 | .9 | 183.0 | .6 |
| 10:00 | .2 | 134.8 | .6 | 166.0 | .5 | 195.4 | .7 | 185.9 | .4 |
| 10:15 | .5 | 149.4 | .8 | 193.3 | .7 | 217.2 | .6 | 221.6 | .2 |
| 10:30 | .3 | 184.9 | .7 | 232.8 | .9 | 238.9 | .9 | 252.5 | .8 |
| 10:45 | .3 | 119.1 | .7 | 132.3 | .6 | 186.4 | .6 | 220.2 | 1.3 |
| 11:00 | .8 | 92.6 | 1.0 | 125.5 | .8 | 138.7 | .9 | 117.6 | 1.0 |
| 11:15 | .5 | 120.2 | .6 | 161.6 | .5 | 158.4 | .9 | 118.9 | .8 |
| 11:30 | 1.1 | 179.3 | 1.8 | 1873.0 | 2.6 | 182.3 | 3.0 | 181.5 | 2.3 |
| 11:45 | 1.0 | 193.2 | 1.9 | 206.1 | 2.6 | 178.7 | 3.2 | 182.7 | 2.3 |
| 12:00 | .7 | 226.9 | 1.2 | 213.5 | 1.3 | 189.3 | 1.1 | 190.9 | .9 |
| 12:15 | .7 | 238.6 | 1.1 | 222.1 | 1.1 | 193.8 | 1.0 | 197.5 | .8 |

Daily Summary Report

Site: ORNL Sodar

7/2/2018

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 | 169.8 | 3.3 | 173.3 | 6.3 | 175.0 | 10.0 | 231.5 | | |
| 00:15 | 171.7 | 4.0 | 170.5 | 7.6 | 169.5 | 10.3 | 231.2 | | |
| 00:30 | 175.9 | 3.8 | 173.1 | 7.9 | 173.3 | 10.6 | 230.9 | | |
| 00:45 | 190.1 | 3.8 | 182.0 | 8.0 | 181.6 | 10.9 | 230.6 | | |
| 01:00 | 200.4 | 4.0 | 189.0 | 8.3 | 181.9 | 11.2 | 230.3 | | |
| 01:15 | 211.5 | 3.4 | 198.3 | 7.8 | 200.0 | 11.5 | 230.0 | | |
| 01:30 | 218.8 | 3.4 | 199.9 | 7.2 | 215.2 | 13.2 | 227.8 | 12.4 | 226.6 |
| 01:45 | 209.5 | 3.5 | 208.8 | 8.2 | 226.2 | 13.2 | 227.0 | 13.0 | 226.0 |
| 02:00 | 210.4 | 2.6 | 226.9 | 7.0 | 226.0 | 13.2 | 226.0 | 13.0 | 225.0 |
| 02:15 | 217.1 | 1.7 | 228.0 | 6.0 | 226.0 | 13.2 | 225.0 | 13.0 | 225.0 |
| 02:30 | 223.8 | 1.0 | 244.8 | 5.0 | 227.0 | 13.2 | 224.0 | 13.0 | 225.0 |
| 02:45 | 223.6 | 1.4 | 237.9 | 4.6 | 227.5 | 13.2 | 223.0 | 13.0 | 225.0 |
| 03:00 | 218.1 | 2.7 | 216.1 | 8.4 | 211.8 | 13.2 | 222.0 | 13.0 | 225.0 |
| 03:15 | 203.3 | 3.1 | 207.7 | 7.8 | 201.2 | 13.3 | 220.7 | 13.3 | 224.6 |
| 03:30 | 203.3 | 1.9 | 213.1 | 6.4 | 205.0 | 12.0 | 222.0 | 13.4 | 221.4 |
| 03:45 | 220.9 | 1.8 | 219.8 | 5.9 | 208.8 | 13.7 | 228.6 | 14.3 | 221.4 |
| 04:00 | 202.0 | 2.4 | 201.6 | 6.5 | 196.0 | 14.4 | 229.5 | 14.4 | 222.2 |
| 04:15 | 202.4 | 2.1 | 200.1 | 6.6 | 190.8 | 13.0 | 230.0 | 13.8 | 228.0 |
| 04:30 | 211.8 | 1.7 | 205.5 | 5.8 | 193.6 | 14.0 | 230.4 | 13.9 | 234.0 |
| 04:45 | 205.3 | 1.2 | 207.1 | 5.3 | 192.8 | 8.5 | 212.0 | 11.0 | 227.0 |
| 05:00 | 190.0 | .8 | 221.1 | 4.0 | 194.9 | | | | |
| 05:15 | 191.9 | 1.0 | 202.0 | 5.5 | 193.8 | | | | |
| 05:30 | 174.6 | 1.5 | 191.0 | 6.8 | 190.1 | | | | |
| 05:45 | 128.1 | 1.9 | 196.7 | 6.4 | 190.0 | | | | |
| 06:00 | 242.8 | 3.2 | 197.2 | 6.0 | 190.0 | | | | |
| 06:15 | 222.9 | 3.2 | 200.0 | 5.5 | 189.0 | | | | |
| 06:30 | 183.0 | 1.8 | 210.0 | 5.3 | 189.0 | | | | |
| 06:45 | 249.2 | .9 | 191.2 | 5.0 | 189.0 | | | | |
| 07:00 | 265.1 | 1.0 | 180.0 | 4.8 | 188.0 | | | | |
| 07:15 | 262.7 | 1.2 | 175.0 | 4.5 | 188.0 | | | | |
| 07:30 | 259.8 | 1.3 | 170.0 | 4.0 | 188.0 | | | | |
| 07:45 | 200.4 | 1.4 | 165.0 | 3.8 | 188.0 | | | | |
| 08:00 | 165.8 | 1.6 | 158.7 | 3.5 | 187.0 | | | | |
| 08:15 | 164.5 | 2.8 | 183.3 | 3.3 | 187.0 | | | | |
| 08:30 | 157.3 | 3.2 | 169.6 | 3.0 | 187.0 | | | | |
| 08:45 | 150.1 | 3.1 | 169.2 | 2.8 | 187.0 | | | | |
| 09:00 | 141.1 | 2.5 | 170.4 | 2.5 | 187.0 | | | | |
| 09:15 | 123.4 | 2.2 | 172.9 | 2.0 | 187.0 | | | | |
| 09:30 | 172.0 | 1.7 | 175.5 | 1.7 | 186.8 | | | | |
| 09:45 | 203.5 | 1.1 | 205.5 | 2.1 | 189.2 | | | | |
| 10:00 | 175.0 | 1.0 | 207.1 | 1.0 | 176.5 | | | | |
| 10:15 | 159.4 | .4 | 178.2 | 1.0 | 94.7 | | | | |
| 10:30 | 229.6 | .8 | 196.8 | .4 | 320.4 | | | | |
| 10:45 | 206.1 | 1.2 | 193.1 | .2 | 204.2 | | | | |
| 11:00 | 150.2 | 1.1 | 180.8 | 1.1 | 124.4 | | | | |
| 11:15 | 118.7 | 1.0 | 160.8 | .6 | 126.5 | | | | |
| 11:30 | 186.6 | 2.9 | 180.2 | 2.6 | 177.2 | | | | |
| 11:45 | 196.0 | 3.8 | 184.8 | 2.0 | 170.0 | | | | |
| 12:00 | 190.3 | .9 | 147.3 | 1.5 | 165.0 | | | | |
| 12:15 | 191.5 | .3 | 133.7 | 1.0 | 158.0 | | | | |

Daily Summary Report

Site: ORNL Sodar

7/2/2018

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 | 13.2 | 227.5 | | | | |
| 01:45 | 13.0 | 225.0 | | | | |
| 02:00 | 13.0 | 225.0 | | | | |
| 02:15 | 13.0 | 225.0 | | | | |
| 02:30 | 13.0 | 225.0 | | | | |
| 02:45 | 13.0 | 225.0 | | | | |
| 03:00 | 13.0 | 225.0 | | | | |
| 03:15 | 13.0 | 225.0 | | | | |
| 03:30 | 13.0 | 225.0 | | | | |
| 03:45 | 13.1 | 223.3 | 14.2 | 223.3 | 12.1 | 224.2 |
| 04:00 | 14.6 | 223.0 | 14.9 | 228.4 | | |
| 04:15 | 14.0 | 228.0 | | | | |
| 04:30 | 13.3 | 231.4 | | | | |
| 04:45 | 12.7 | 230.5 | | | | |
| 05:00 | | | | | | |
| 05:15 | | | | | | |
| 05:30 | | | | | | |
| 05:45 | | | | | | |
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| 12:15 | | | | | | |

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | | | | | | |
| 12:45 | | | | | | |
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| 23:15 | | | | | | |
| 23:30 | | | | | | |
| 23:45 | | | | | | |
| Avg | 13.2 | 226.0 | 14.6 | 225.9 | 12.1 | 224.2 |
| Max | 14.6 | 231.4 | 14.9 | 228.4 | 12.1 | 224.2 |
| Hr. of Max | 16 | 18 | 16 | 16 | 15 | 15 |
| Min | 12.7 | 223.0 | 14.2 | 223.3 | 12.1 | 224.2 |
| Count | 14 | 14 | 2 | 2 | 1 | 1 |
| Total | | | | | | |