

Daily Summary Report

Site: ORNL Sodar

5/5/2018

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 | 1.2 | 266.9 | 1.4 | 269.3 | 3.0 | 263.8 | 4.4 | 250.4 | 5.0 |
| 00:15 | | | | | | | | | |
| 00:30 | | | | | | | | | |
| 00:45 | | | | | | | | | |
| 01:00 | .1 | 238.6 | 1.2 | 265.7 | 2.8 | 286.3 | 3.6 | 290.9 | .2 |
| 01:15 | .1 | 201.7 | 1.0 | 246.5 | 2.3 | 278.4 | 2.8 | 287.4 | .5 |
| 01:30 | .1 | 235.7 | 1.6 | 251.8 | 2.2 | 269.2 | 1.8 | 276.2 | 1.5 |
| 01:45 | .2 | 239.1 | 1.9 | 250.7 | 2.3 | 266.5 | 1.7 | 271.4 | 1.8 |
| 02:00 | .2 | 241.5 | 1.5 | 246.1 | 2.3 | 269.8 | 1.9 | 275.0 | 1.7 |
| 02:15 | .4 | 259.1 | 1.1 | 234.7 | 2.2 | 263.6 | 1.8 | 269.4 | 1.9 |
| 02:30 | .5 | 247.6 | 1.3 | 220.4 | 2.0 | 249.1 | 1.8 | 258.8 | 1.9 |
| 02:45 | .7 | 225.5 | 1.6 | 231.5 | 1.9 | 247.4 | 1.7 | 249.9 | 1.8 |
| 03:00 | .9 | 222.7 | 2.0 | 241.4 | 1.2 | 253.1 | .9 | 254.8 | 1.3 |
| 03:15 | .7 | 222.3 | 1.8 | 244.8 | .7 | 263.8 | .5 | 291.7 | .2 |
| 03:30 | .6 | 239.9 | .8 | 232.2 | .7 | 271.0 | .4 | 287.2 | .2 |
| 03:45 | .6 | 235.6 | .4 | 206.1 | .5 | 266.5 | .2 | 307.3 | .1 |
| 04:00 | .4 | 215.4 | .7 | 256.4 | .6 | 256.2 | .3 | 253.7 | .3 |
| 04:15 | .1 | 55.5 | .7 | 278.1 | .6 | 270.2 | .5 | 276.5 | .1 |
| 04:30 | .2 | 11.6 | .3 | 276.2 | .2 | 251.7 | .3 | 291.1 | .3 |
| 04:45 | .0 | 31.2 | .3 | 186.8 | .4 | 203.6 | .3 | 236.8 | .3 |
| 05:00 | .3 | 97.5 | .7 | 166.8 | .6 | 208.9 | .7 | 227.2 | .2 |
| 05:15 | .5 | 77.0 | .8 | 158.1 | .6 | 214.0 | .7 | 226.8 | .3 |
| 05:30 | .3 | 48.2 | .4 | 186.0 | .5 | 224.9 | .6 | 256.0 | .2 |
| 05:45 | .1 | 62.8 | .6 | 191.4 | .7 | 209.7 | 1.1 | 257.5 | .6 |
| 06:00 | .0 | 75.6 | 1.1 | 184.1 | 1.0 | 215.7 | 1.2 | 256.6 | .6 |
| 06:15 | .2 | 62.9 | .9 | 192.4 | .9 | 253.7 | 1.1 | 284.3 | .7 |
| 06:30 | .3 | 71.0 | .5 | 199.1 | 1.3 | 291.3 | 1.6 | 301.6 | .6 |
| 06:45 | .2 | 68.0 | .5 | 214.3 | 1.6 | 290.6 | 2.0 | 296.0 | .3 |
| 07:00 | .1 | 225.2 | .5 | 229.2 | 1.5 | 281.7 | 2.1 | 290.0 | .4 |
| 07:15 | .2 | 83.1 | .3 | 6.7 | .6 | 290.2 | 1.2 | 287.5 | .7 |
| 07:30 | .5 | 83.7 | .7 | 43.9 | .2 | 119.8 | .2 | 227.3 | .6 |
| 07:45 | .5 | 83.8 | .6 | 68.1 | .5 | 148.1 | .4 | 166.8 | .4 |
| 08:00 | .6 | 76.8 | .7 | 67.4 | .4 | 133.4 | .4 | 158.6 | .2 |
| 08:15 | .6 | 66.0 | 1.1 | 63.6 | .5 | 97.6 | .4 | 145.6 | .2 |
| 08:30 | .5 | 25.5 | 1.4 | 62.1 | .6 | 77.3 | .4 | 145.9 | .3 |
| 08:45 | .7 | 359.1 | 1.3 | 65.9 | .6 | 63.8 | .3 | 140.2 | .1 |
| 09:00 | .6 | 352.7 | 1.2 | 52.1 | 1.1 | 51.1 | .5 | 52.9 | .2 |
| 09:15 | .3 | 349.7 | 1.3 | 48.1 | 1.5 | 47.4 | 1.2 | 48.4 | .7 |
| 09:30 | .1 | 62.9 | .8 | 42.4 | 1.6 | 52.4 | 1.8 | 60.1 | 1.5 |
| 09:45 | .1 | 129.0 | .7 | 55.0 | 1.8 | 64.5 | 2.6 | 70.6 | 2.4 |
| 10:00 | .4 | 113.9 | 1.4 | 80.9 | 2.2 | 78.1 | 3.0 | 79.4 | 3.3 |
| 10:15 | .5 | 116.0 | 1.4 | 81.4 | 2.0 | 80.8 | 2.6 | 79.8 | 3.7 |
| 10:30 | .5 | 90.9 | .8 | 62.3 | 1.5 | 73.0 | 2.1 | 75.0 | 3.6 |
| 10:45 | .6 | 75.2 | .9 | 42.1 | 1.5 | 64.0 | 2.0 | 66.6 | 3.1 |
| 11:00 | .6 | 91.8 | 1.2 | 62.4 | 1.3 | 68.4 | 1.5 | 67.8 | 2.3 |
| 11:15 | .7 | 85.6 | 1.5 | 80.8 | 1.5 | 77.0 | 1.8 | 72.7 | 2.5 |
| 11:30 | .9 | 66.2 | 1.0 | 70.7 | 1.5 | 59.1 | 2.3 | 43.6 | 3.0 |
| 11:45 | .3 | 38.8 | .7 | 9.1 | 1.6 | 15.4 | 2.9 | 12.6 | 3.0 |
| 12:00 | .5 | 347.1 | 1.5 | 358.9 | 2.1 | 3.2 | 2.9 | 8.3 | 3.3 |
| 12:15 | .7 | 6.9 | 1.5 | 14.3 | 1.7 | 15.9 | 2.2 | 15.4 | 2.8 |

Daily Summary Report

Site: ORNL Sodar

5/5/2018

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 | 252.6 | 5.2 | 258.9 | 5.5 | 288.9 | 7.8 | 272.0 | -999.9 | -999.9 |
| 00:15 | | | | | | | | | |
| 00:30 | | | | | | | | | |
| 00:45 | | | | | | | | | |
| 01:00 | 280.5 | .4 | 322.2 | .6 | 222.2 | -999.9 | -999.9 | -999.9 | -999.9 |
| 01:15 | 286.7 | .6 | 299.1 | .6 | 316.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 01:30 | 285.8 | 1.8 | 288.1 | 3.0 | 305.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 01:45 | 284.2 | 3.1 | 287.2 | 6.4 | 291.1 | -999.9 | -999.9 | -999.9 | -999.9 |
| 02:00 | 282.2 | 2.7 | 288.0 | 4.0 | 302.8 | -999.9 | -999.9 | -999.9 | -999.9 |
| 02:15 | 277.7 | 2.8 | 286.9 | 2.8 | 296.0 | 1.1 | 264.4 | -999.9 | -999.9 |
| 02:30 | 269.5 | 3.0 | 282.0 | 2.9 | 291.2 | -999.9 | -999.9 | -999.9 | -999.9 |
| 02:45 | 263.5 | 2.6 | 277.6 | 2.1 | 296.3 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:00 | 265.9 | 1.8 | 271.4 | .8 | 267.4 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:15 | 267.0 | .6 | 252.0 | .5 | 200.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:30 | 299.8 | .3 | 237.8 | .4 | 339.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:45 | 34.2 | .2 | 247.7 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:00 | 106.5 | .2 | 244.1 | .3 | 159.6 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:15 | 136.1 | .3 | 221.3 | .4 | 102.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:30 | 183.9 | .5 | 234.6 | 1.1 | 279.4 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:45 | 158.2 | .1 | 190.6 | .9 | 275.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:00 | 101.1 | .1 | 46.8 | .8 | 226.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:15 | 158.2 | .2 | 236.5 | .8 | 185.2 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:30 | 233.5 | .1 | 67.4 | .3 | 324.6 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:45 | 291.0 | .4 | 359.7 | .5 | 278.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:00 | 286.9 | .3 | 294.0 | .8 | 320.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:15 | 294.1 | .3 | 272.8 | 1.3 | 347.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:30 | 287.5 | .3 | 281.6 | .5 | 338.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:45 | 273.9 | .2 | 263.4 | 1.8 | 311.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:00 | 300.6 | .8 | 317.5 | 2.0 | 320.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:15 | 308.7 | 1.3 | 314.3 | 2.0 | 330.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:30 | 299.6 | .8 | 327.6 | 2.0 | 338.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:45 | 291.5 | .8 | 351.0 | 2.0 | 346.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:00 | 275.5 | .6 | 9.8 | 2.2 | 356.4 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:15 | 67.4 | 1.0 | 37.3 | 1.0 | 16.2 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:30 | 82.3 | 1.1 | 49.3 | 1.9 | 55.1 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:45 | 144.1 | 1.1 | 69.6 | 3.3 | 48.5 | -999.9 | -999.9 | -999.9 | -999.9 |
| 09:00 | 54.3 | 1.6 | 70.8 | 4.3 | 46.4 | 8.0 | 50.7 | -999.9 | -999.9 |
| 09:15 | 64.5 | 1.9 | 60.4 | 4.5 | 48.0 | 6.9 | 48.3 | -999.9 | -999.9 |
| 09:30 | 68.3 | 2.2 | 61.7 | 4.2 | 56.1 | 7.5 | 48.0 | -999.9 | -999.9 |
| 09:45 | 73.7 | 2.6 | 79.1 | 4.5 | 70.7 | 7.5 | 47.0 | -999.9 | -999.9 |
| 10:00 | 77.5 | 3.6 | 82.5 | 5.0 | 65.0 | 8.0 | 46.0 | -999.9 | -999.9 |
| 10:15 | 72.8 | 4.5 | 69.4 | 5.5 | 60.0 | 8.5 | 46.0 | -999.9 | -999.9 |
| 10:30 | 68.6 | 4.7 | 63.3 | 6.0 | 55.0 | 9.0 | 45.0 | -999.9 | -999.9 |
| 10:45 | 63.1 | 4.0 | 55.1 | 6.5 | 50.0 | 9.0 | 45.0 | -999.9 | -999.9 |
| 11:00 | 55.5 | 3.2 | 44.6 | 7.0 | 45.0 | 9.5 | 44.0 | -999.9 | -999.9 |
| 11:15 | 56.4 | 3.1 | 54.1 | 7.5 | 40.0 | 9.5 | 44.0 | -999.9 | -999.9 |
| 11:30 | 43.0 | 4.0 | 45.5 | 8.0 | 35.0 | 10.0 | 43.0 | -999.9 | -999.9 |
| 11:45 | 18.6 | 4.4 | 30.2 | 8.3 | 28.0 | 10.8 | 41.2 | 12.4 | 43.5 |
| 12:00 | 18.5 | 4.0 | 35.4 | 7.0 | 30.8 | 12.0 | 51.0 | 12.5 | 48.0 |
| 12:15 | 17.7 | 3.4 | 34.7 | 5.0 | 40.4 | 8.0 | 55.0 | -999.9 | -999.9 |

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 12:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:00 | 16.6 | 225.4 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| Avg | -989.0 | -986.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| Max | 16.6 | 225.4 | -999.9 | -999.9 | -999.9 | -999.9 |
| Hr. of Max | 84 | 84 | 95 | 95 | 95 | 95 |
| Min | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| Count | 93 | 93 | 93 | 93 | 93 | 93 |
| Total | | | | | | |