

Daily Summary Report

Site: ORNL Sodar

12/7/2017

Interval: 015m

| | 03_Ht | 04_WS060m | 05_WDir060m | 06_WS100m | 07_WDir100m | 08_WS140m | 09_WDir140m | 10_WS180m | 11_WDir180m |
|-------|--------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | METERS | M/SEC | DEG | M/SEC | DEG | KPH | DEG | M/SEC | DEG |
| 00:00 | 100 | .6 | 171.5 | .4 | 295.9 | .9 | 276.3 | 1.1 | 271.7 |
| 00:15 | 100 | .4 | 153.7 | .3 | 291.1 | .8 | 276.5 | 1.1 | 269.5 |
| 00:30 | 100 | .2 | 191.9 | .7 | 303.4 | .9 | 276.2 | 1.4 | 270.4 |
| 00:45 | 100 | .3 | 238.2 | 1.0 | 306.3 | 1.3 | 282.5 | 2.1 | 273.2 |
| 01:00 | 100 | .2 | 248.1 | 1.2 | 299.3 | 1.9 | 285.9 | 2.1 | 274.9 |
| 01:15 | 100 | .1 | 168.6 | 1.3 | 298.6 | 2.5 | 287.3 | 2.0 | 280.7 |
| 01:30 | 100 | .3 | 141.9 | 1.6 | 295.2 | 2.6 | 288.3 | 2.1 | 286.2 |
| 01:45 | 100 | .2 | 88.0 | 1.8 | 292.5 | 2.4 | 288.2 | 2.3 | 291.3 |
| 02:00 | 100 | .4 | 47.8 | 1.5 | 294.9 | 2.7 | 291.5 | 2.8 | 294.0 |
| 02:15 | 100 | .3 | 83.5 | 1.3 | 286.2 | 2.5 | 294.7 | 2.9 | 298.6 |
| 02:30 | 100 | .3 | 104.9 | 1.0 | 270.1 | 2.0 | 294.5 | 2.6 | 301.5 |
| 02:45 | 100 | .6 | 97.0 | .9 | 264.7 | 1.8 | 289.0 | 2.2 | 300.2 |
| 03:00 | 100 | .3 | 269.9 | 1.1 | 267.7 | 1.7 | 284.0 | 2.0 | 297.0 |
| 03:15 | 100 | .5 | 81.6 | .9 | 264.5 | 1.3 | 282.7 | 1.8 | 295.4 |
| 03:30 | 100 | .3 | 263.0 | .6 | 263.2 | 1.0 | 288.2 | 1.4 | 303.4 |
| 03:45 | 100 | .1 | 268.3 | .4 | 260.1 | .8 | 293.7 | .9 | 311.4 |
| 04:00 | 100 | .2 | 82.5 | .3 | 254.7 | .7 | 295.0 | .5 | 297.1 |
| 04:15 | 100 | .3 | 83.6 | .3 | 275.3 | .8 | 301.0 | .7 | 318.4 |
| 04:30 | 100 | .3 | 80.8 | .3 | 268.3 | .8 | 311.4 | .7 | 348.7 |
| 04:45 | 100 | .3 | 90.8 | .3 | 259.8 | .6 | 312.4 | .4 | 15.2 |
| 05:00 | 100 | .3 | 77.1 | .3 | 257.9 | .6 | 297.4 | .3 | 3.5 |
| 05:15 | 100 | .3 | 52.4 | .1 | 268.1 | .5 | 300.4 | .4 | 5.3 |
| 05:30 | 100 | .3 | 54.0 | .2 | 299.8 | .5 | 316.7 | .5 | .8 |
| 05:45 | 100 | .4 | 86.4 | .2 | 274.6 | .3 | 322.6 | .4 | 27.4 |
| 06:00 | 100 | .3 | 96.7 | .2 | 249.0 | .1 | 201.0 | .2 | 93.0 |
| 06:15 | 100 | .1 | 115.7 | .2 | 272.4 | .2 | 184.4 | .1 | 280.2 |
| 06:30 | 100 | .3 | 90.0 | .3 | 260.5 | .0 | 142.8 | .3 | 31.0 |
| 06:45 | 100 | .3 | 65.8 | .4 | 231.4 | .1 | 224.3 | .2 | 11.0 |
| 07:00 | 100 | .6 | 41.3 | .5 | 199.6 | .2 | 236.9 | .3 | 243.3 |
| 07:15 | 100 | .7 | 64.0 | .5 | 196.9 | .2 | 241.6 | .3 | 238.3 |
| 07:30 | 100 | .3 | 68.5 | .4 | 221.1 | .1 | 188.8 | .2 | 297.4 |
| 07:45 | 100 | .2 | 58.0 | .3 | 250.6 | .1 | 15.0 | .1 | 296.6 |
| 08:00 | 100 | .8 | 103.2 | .3 | 258.6 | .2 | 342.8 | .0 | 298.5 |
| 08:15 | 100 | .1 | 327.3 | .3 | 225.0 | .1 | 340.1 | .2 | 272.6 |
| 08:30 | 100 | .1 | 298.2 | .3 | 189.3 | .1 | 257.0 | .3 | 276.4 |
| 08:45 | 100 | .2 | 16.1 | .2 | 202.1 | .2 | 316.8 | .3 | 306.6 |
| 09:00 | 100 | 1.5 | 74.1 | .5 | 266.9 | .3 | 316.9 | .4 | 291.3 |
| 09:15 | 100 | .8 | 89.5 | .8 | 270.0 | .2 | 295.8 | .5 | 267.8 |
| 09:30 | 100 | 1.1 | 94.1 | .7 | 261.1 | .2 | 277.4 | .5 | 273.3 |
| 09:45 | 100 | 1.4 | 86.0 | .6 | 275.6 | .3 | 298.2 | .5 | 282.2 |
| 10:00 | 100 | 1.2 | 90.1 | .8 | 284.6 | .9 | 288.5 | .6 | 274.4 |
| 10:15 | 100 | .7 | 257.8 | 1.0 | 281.3 | 1.5 | 280.8 | 1.6 | 269.6 |
| 10:30 | 100 | .5 | 254.8 | 1.0 | 281.3 | 1.3 | 275.6 | 1.7 | 270.5 |
| 10:45 | 100 | .4 | 222.6 | .9 | 270.5 | .9 | 260.9 | 1.1 | 271.1 |
| 11:00 | 100 | .8 | 223.7 | 1.0 | 243.1 | .8 | 224.0 | .7 | 238.9 |
| 11:15 | 100 | .8 | 230.5 | 1.1 | 240.0 | .9 | 227.5 | .8 | 232.4 |
| 11:30 | 100 | .8 | 244.5 | 1.6 | 254.8 | 1.5 | 249.8 | 1.4 | 260.1 |
| 11:45 | 100 | .9 | 242.1 | 1.9 | 239.5 | 2.1 | 241.9 | 2.0 | 247.1 |
| 12:00 | 100 | .8 | 235.7 | 2.0 | 206.8 | 2.4 | 225.6 | 2.4 | 228.4 |
| 12:15 | 100 | .9 | 238.8 | 1.8 | 204.9 | 2.2 | 213.9 | 2.0 | 218.9 |

Daily Summary Report

Site: ORNL Sodar

12/7/2017

Interval: 015m

| | 12_WS240m | 13_WDir240m | 14_WS300m | 15_WDir300m | 16_WS400m | 17_WDir400m | 18_WS500m | 19_WDir500m | 20_WS600m |
|-------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC |
| 00:00 | .3 | 291.1 | .2 | 284.8 | .1 | 325.7 | .9 | 121.7 | .4 |
| 00:15 | .2 | 284.4 | .3 | 252.6 | .3 | 319.0 | .4 | 168.0 | 1.0 |
| 00:30 | .3 | 276.7 | .3 | 219.2 | .3 | 252.1 | .8 | 270.4 | .6 |
| 00:45 | .5 | 277.8 | .3 | 205.3 | .3 | 237.2 | 1.4 | 279.6 | .3 |
| 01:00 | .3 | 288.1 | .1 | 294.9 | .2 | 305.5 | .4 | 52.6 | .7 |
| 01:15 | .2 | 305.7 | .3 | 305.6 | .3 | 298.0 | .2 | 255.6 | 1.0 |
| 01:30 | .3 | 307.4 | .4 | 283.3 | .3 | 284.8 | 1.4 | 264.6 | .7 |
| 01:45 | .2 | 318.2 | .3 | 282.1 | .5 | 253.8 | 1.0 | 254.2 | .8 |
| 02:00 | .8 | 288.8 | .7 | 284.4 | .5 | 220.6 | .4 | 261.7 | .1 |
| 02:15 | 1.7 | 296.2 | 1.4 | 294.9 | .4 | 290.5 | .8 | 301.5 | .4 |
| 02:30 | 1.6 | 307.1 | 1.3 | 304.6 | .7 | 332.6 | .7 | 289.7 | .3 |
| 02:45 | 1.0 | 303.1 | .9 | 304.5 | .3 | 339.1 | .3 | 273.9 | .1 |
| 03:00 | 1.2 | 312.3 | .5 | 323.6 | .3 | 332.7 | .7 | 314.3 | .3 |
| 03:15 | 1.2 | 321.3 | .4 | 345.1 | .7 | 4.5 | .4 | 312.4 | .5 |
| 03:30 | .7 | 328.5 | .5 | 353.7 | .6 | 6.6 | .5 | 58.9 | .8 |
| 03:45 | .6 | 341.1 | .5 | 3.1 | .2 | 17.0 | 1.0 | 24.2 | 1.2 |
| 04:00 | .5 | 335.2 | .3 | 355.9 | .5 | 186.6 | .4 | 14.1 | .8 |
| 04:15 | .5 | 356.1 | .2 | 337.4 | .7 | 205.8 | .2 | 208.5 | .8 |
| 04:30 | .5 | 10.3 | .2 | 22.5 | .2 | 133.1 | .4 | 252.8 | .4 |
| 04:45 | .4 | 54.8 | .4 | 51.6 | .4 | 74.5 | .8 | 259.3 | .7 |
| 05:00 | .8 | 76.0 | .4 | 53.2 | .2 | 123.9 | .8 | 252.0 | .4 |
| 05:15 | .9 | 84.9 | .3 | 62.6 | .3 | 109.4 | .3 | 235.8 | .8 |
| 05:30 | 1.0 | 92.3 | .2 | 91.2 | .3 | 320.3 | | | |
| 05:45 | .9 | 92.7 | .1 | 166.2 | .9 | 298.6 | | | |
| 06:00 | .6 | 83.8 | .2 | 280.8 | | | | | |
| 06:15 | .4 | 95.3 | .2 | 72.0 | | | | | |
| 06:30 | .5 | 118.4 | .2 | 28.0 | | | | | |
| 06:45 | .3 | 134.9 | .3 | 257.6 | | | | | |
| 07:00 | .1 | 280.2 | .7 | 138.8 | | | | | |
| 07:15 | .1 | 65.0 | .5 | 107.4 | | | | | |
| 07:30 | .4 | 116.2 | .2 | 274.5 | .7 | 125.7 | | | |
| 07:45 | .4 | 149.3 | .5 | 237.4 | .3 | 25.0 | | | |
| 08:00 | .3 | 175.4 | .4 | 173.0 | | | | | |
| 08:15 | .2 | 192.4 | .4 | 136.7 | | | | | |
| 08:30 | .3 | 250.5 | .4 | 195.1 | | | | | |
| 08:45 | .2 | 276.0 | .4 | 215.0 | | | | | |
| 09:00 | .2 | 149.2 | .8 | 222.3 | | | | | |
| 09:15 | .2 | 218.9 | .8 | 219.6 | | | | | |
| 09:30 | .2 | 272.3 | .6 | 199.9 | | | | | |
| 09:45 | .4 | 267.5 | .6 | 210.4 | | | | | |
| 10:00 | .5 | 255.7 | 1.1 | 217.9 | | | | | |
| 10:15 | 1.0 | 250.7 | 1.9 | 215.8 | 6.4 | 190.8 | | | |
| 10:30 | 1.5 | 262.6 | 1.9 | 232.6 | 5.6 | 190.7 | | | |
| 10:45 | 1.6 | 267.6 | 1.9 | 245.7 | 5.2 | 194.4 | | | |
| 11:00 | 1.3 | 234.5 | 2.0 | 233.0 | 4.8 | 201.1 | | | |
| 11:15 | 1.3 | 230.2 | 2.0 | 227.4 | 3.9 | 211.8 | | | |
| 11:30 | 1.8 | 255.2 | 2.2 | 244.8 | 3.3 | 225.9 | 4.5 | 209.6 | |
| 11:45 | 2.0 | 236.6 | 2.7 | 238.5 | 3.7 | 230.9 | 4.4 | 216.2 | |
| 12:00 | 2.4 | 206.7 | 2.4 | 217.2 | 4.0 | 222.3 | 5.0 | 218.0 | 6.2 |
| 12:15 | 1.8 | 196.8 | 2.1 | 201.1 | 3.7 | 209.5 | 4.4 | 201.4 | |

Daily Summary Report

Site: ORNL Sodar

12/7/2017

Interval: 015m

| | 21_WDir600m | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|-------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | 9.6 | | | | | | |
| 00:15 | 233.2 | | | | | | |
| 00:30 | 203.0 | | | | | | |
| 00:45 | 183.7 | | | | | | |
| 01:00 | 12.0 | | | | | | |
| 01:15 | 343.9 | | | | | | |
| 01:30 | 316.4 | | | | | | |
| 01:45 | 276.7 | | | | | | |
| 02:00 | 296.2 | | | | | | |
| 02:15 | 254.0 | | | | | | |
| 02:30 | 271.1 | | | | | | |
| 02:45 | 355.2 | | | | | | |
| 03:00 | 287.6 | 2.3 | 274.7 | | | | |
| 03:15 | 336.2 | | | | | | |
| 03:30 | 35.2 | | | | | | |
| 03:45 | 63.6 | | | | | | |
| 04:00 | 73.1 | | | | | | |
| 04:15 | 262.3 | | | | | | |
| 04:30 | 50.6 | | | | | | |
| 04:45 | 45.2 | | | | | | |
| 05:00 | 63.6 | | | | | | |
| 05:15 | 65.6 | | | | | | |
| 05:30 | | | | | | | |
| 05:45 | | | | | | | |
| 06:00 | | | | | | | |
| 06:15 | | | | | | | |
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| 11:00 | | | | | | | |
| 11:15 | | | | | | | |
| 11:30 | | | | | | | |
| 11:45 | | | | | | | |
| 12:00 | 241.6 | | | | | | |
| 12:15 | | | | | | | |

| | 21_WDir600m | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | | | | | | | |
| 12:45 | | | | | | | |
| 13:00 | | | | | | | |
| 13:15 | | | | | | | |
| 13:30 | | | | | | | |
| 13:45 | | | | | | | |
| 14:00 | | | | | | | |
| 14:15 | | | | | | | |
| 14:30 | | | | | | | |
| 14:45 | | | | | | | |
| 15:00 | | | | | | | |
| 15:15 | | | | | | | |
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| 15:45 | | | | | | | |
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| 18:45 | | | | | | | |
| 19:00 | | | | | | | |
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| 19:45 | | | | | | | |
| 20:00 | | | | | | | |
| 20:15 | | | | | | | |
| 20:30 | | | | | | | |
| 20:45 | | | | | | | |
| 21:00 | | | | | | | |
| 21:15 | | | | | | | |
| 21:30 | | | | | | | |
| 21:45 | 335.3 | | | | | | |
| 22:00 | 334.3 | | | | | | |
| 22:15 | | | | | | | |
| 22:30 | | | | | | | |
| 22:45 | | | | | | | |
| 23:00 | | | | | | | |
| 23:15 | | | | | | | |
| 23:30 | | | | | | | |
| 23:45 | | | | | | | |
| Avg | 198.0 | 2.3 | 274.7 | | | | |
| Max | 355.2 | 2.3 | 274.7 | | | | |
| Hr. of Max | 11 | 12 | 12 | | | | |
| Min | 9.6 | 2.3 | 274.7 | | | | |
| Count | 25 | 1 | 1 | 0 | 0 | 0 | 0 |
| Total | | | | | | | |