

Daily Summary Report

Site: ORNL Sodar

6/16/2017

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 | .8 | 234.4 | 1.8 | 230.6 | 3.7 | 215.9 | 4.7 | 220.5 | 4.5 |
| 00:15 | 1.1 | 241.1 | 2.0 | 225.8 | 4.0 | 218.9 | 4.8 | 226.2 | 4.5 |
| 00:30 | 1.3 | 264.8 | 1.9 | 223.0 | 4.0 | 226.5 | 4.6 | 238.3 | 4.7 |
| 00:45 | 1.7 | 268.2 | 2.3 | 244.0 | 4.0 | 239.1 | 4.9 | 251.9 | 5.4 |
| 01:00 | 1.5 | 264.8 | 3.0 | 245.1 | 3.7 | 241.1 | 4.9 | 252.1 | 5.2 |
| 01:15 | 1.4 | 262.5 | 2.7 | 233.1 | 3.3 | 227.6 | 4.5 | 237.3 | 4.5 |
| 01:30 | 1.4 | 259.4 | 2.3 | 233.4 | 3.3 | 225.7 | 3.9 | 232.3 | 4.9 |
| 01:45 | .4 | 248.6 | 1.6 | 238.5 | 2.3 | 230.2 | 3.0 | 243.0 | 4.7 |
| 02:00 | .1 | 27.0 | .9 | 228.6 | 1.3 | 222.8 | 2.3 | 239.8 | 3.7 |
| 02:15 | .3 | 50.0 | .6 | 218.5 | 1.1 | 215.8 | 1.7 | 223.3 | 2.8 |
| 02:30 | .3 | 52.3 | .4 | 205.9 | 1.0 | 208.5 | 1.2 | 209.0 | 2.1 |
| 02:45 | .2 | 60.7 | .3 | 201.8 | .8 | 199.1 | .6 | 207.4 | 2.1 |
| 03:00 | .1 | 125.1 | .1 | 252.6 | .7 | 215.3 | .5 | 238.5 | 2.0 |
| 03:15 | .2 | 187.4 | .2 | 272.7 | .7 | 234.2 | .6 | 256.4 | 1.5 |
| 03:30 | .3 | 138.9 | .2 | 315.5 | .5 | 238.6 | .4 | 247.1 | 1.6 |
| 03:45 | .4 | 112.1 | .2 | 314.1 | 1.0 | 248.1 | .9 | 254.9 | 1.6 |
| 04:00 | .3 | 114.0 | .6 | 245.2 | 1.8 | 255.0 | 1.9 | 265.6 | 1.9 |
| 04:15 | .2 | 142.0 | 1.1 | 238.7 | 2.3 | 255.0 | 2.5 | 264.6 | 2.1 |
| 04:30 | .6 | 260.5 | .9 | 257.0 | 2.5 | 254.1 | 3.0 | 263.2 | 2.7 |
| 04:45 | .6 | 266.8 | .5 | 247.0 | 2.3 | 246.2 | 2.8 | 259.7 | 3.3 |
| 05:00 | .2 | 123.4 | .6 | 245.3 | 2.2 | 241.2 | 2.6 | 257.1 | 3.9 |
| 05:15 | .3 | 122.4 | .7 | 243.1 | 2.1 | 236.6 | 2.5 | 252.9 | 4.0 |
| 05:30 | .4 | 241.6 | 1.4 | 231.0 | 2.4 | 240.5 | 2.9 | 251.9 | 4.2 |
| 05:45 | 1.0 | 254.8 | 2.0 | 236.1 | 3.1 | 247.4 | 3.6 | 253.3 | 4.8 |
| 06:00 | 1.5 | 258.8 | 2.3 | 251.4 | 3.0 | 252.4 | 3.8 | 256.0 | 5.0 |
| 06:15 | 1.4 | 260.1 | 2.3 | 260.9 | 2.8 | 257.7 | 3.8 | 264.0 | 5.0 |
| 06:30 | 1.0 | 257.1 | 1.9 | 260.4 | 3.3 | 264.6 | 4.2 | 273.2 | 5.6 |
| 06:45 | .7 | 260.7 | 1.1 | 249.3 | 2.5 | 265.2 | 3.6 | 275.6 | 5.2 |
| 07:00 | .3 | 260.0 | .9 | 227.3 | 1.6 | 250.5 | 2.4 | 269.9 | 4.2 |
| 07:15 | .6 | 245.6 | 1.3 | 237.9 | 2.1 | 244.5 | 2.9 | 262.5 | 4.5 |
| 07:30 | .4 | 233.0 | 1.2 | 232.2 | 2.3 | 238.5 | 3.4 | 257.0 | 4.7 |
| 07:45 | .5 | 253.7 | 1.5 | 235.2 | 2.6 | 247.9 | 3.7 | 262.6 | 4.6 |
| 08:00 | .5 | 244.4 | 1.6 | 241.8 | 2.8 | 257.3 | 3.9 | 270.1 | 2.0 |
| 08:15 | .3 | 171.1 | .7 | 223.8 | 2.0 | 247.7 | 2.8 | 266.3 | 1.1 |
| 08:30 | .3 | 202.5 | .5 | 192.9 | 1.2 | 222.0 | 1.6 | 246.2 | 1.4 |
| 08:45 | .2 | 260.9 | .7 | 242.0 | .8 | 240.5 | 1.1 | 240.7 | 1.3 |
| 09:00 | .3 | 278.0 | .7 | 245.3 | .9 | 237.3 | 1.1 | 227.3 | .8 |
| 09:15 | .4 | 232.4 | .3 | 239.8 | .7 | 230.1 | .6 | 231.0 | .2 |
| 09:30 | .3 | 233.7 | .1 | 288.6 | .2 | 293.3 | .3 | 318.0 | .1 |
| 09:45 | .2 | 239.3 | .3 | 312.5 | .4 | .6 | .5 | 352.6 | .4 |
| 10:00 | .4 | 232.3 | .5 | 75.1 | .6 | 50.9 | .8 | 40.0 | .8 |
| 10:15 | .3 | 274.9 | .7 | 72.7 | .6 | 46.3 | .7 | 38.2 | .8 |
| 10:30 | .3 | 11.9 | .7 | 12.3 | .9 | 354.5 | .9 | 338.9 | .9 |
| 10:45 | .6 | 38.5 | 1.0 | 51.4 | 1.0 | 46.3 | .9 | 40.7 | .8 |
| 11:00 | .7 | 44.6 | .8 | 57.3 | 1.5 | 72.3 | 1.7 | 74.9 | .7 |
| 11:15 | .6 | 79.4 | .7 | 80.7 | 1.4 | 88.9 | 1.9 | 91.0 | 1.2 |
| 11:30 | 1.1 | 99.3 | 1.7 | 108.1 | 2.1 | 102.7 | 2.5 | 96.4 | 2.1 |
| 11:45 | 1.1 | 109.8 | 1.6 | 122.7 | 1.7 | 117.7 | 2.0 | 108.2 | 1.8 |
| 12:00 | .4 | 129.8 | .7 | 91.1 | .7 | 114.9 | 1.0 | 112.0 | .9 |
| 12:15 | .4 | 94.5 | 1.2 | 76.9 | 1.6 | 79.5 | 1.7 | 78.0 | 1.2 |

Daily Summary Report

Site: ORNL Sodar

6/16/2017

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 | 241.6 | 4.5 | 272.4 | 6.2 | 291.3 | 9.0 | 306.0 | 9.8 | 307.0 |
| 00:15 | 250.1 | 4.9 | 276.9 | 6.5 | 287.1 | 8.5 | 307.0 | 10.0 | 307.0 |
| 00:30 | 266.6 | 4.9 | 283.3 | 6.5 | 304.5 | 8.1 | 307.2 | 10.3 | 308.0 |
| 00:45 | 278.1 | 5.9 | 289.5 | 7.5 | 299.4 | 8.1 | 300.7 | 10.4 | 308.5 |
| 01:00 | 278.2 | 5.6 | 292.1 | 10.7 | 297.9 | 9.3 | 299.6 | 10.2 | 314.8 |
| 01:15 | 260.8 | 4.5 | 280.5 | 7.0 | 295.8 | 10.3 | 300.6 | 8.8 | 306.1 |
| 01:30 | 247.4 | 4.3 | 268.4 | 5.2 | 290.6 | 8.0 | 310.8 | 8.9 | 302.7 |
| 01:45 | 252.4 | 4.0 | 269.7 | 4.5 | 283.5 | 6.9 | 305.3 | 9.4 | 307.6 |
| 02:00 | 251.7 | 3.5 | 257.8 | 3.8 | 272.1 | 7.1 | 312.7 | 9.3 | 309.4 |
| 02:15 | 236.3 | 3.4 | 244.4 | 3.2 | 264.7 | 6.6 | 311.4 | 8.5 | 309.0 |
| 02:30 | 228.2 | 3.4 | 243.1 | 3.5 | 266.0 | 6.2 | 298.3 | | |
| 02:45 | 246.4 | 3.6 | 251.1 | 4.7 | 291.9 | | | | |
| 03:00 | 258.6 | 3.3 | 257.6 | 5.0 | 285.0 | | | | |
| 03:15 | 267.2 | 2.8 | 264.1 | 5.0 | 286.0 | | | | |
| 03:30 | 266.0 | 2.3 | 269.7 | 5.3 | 288.0 | | | | |
| 03:45 | 270.5 | 2.7 | 280.1 | 5.5 | 290.0 | | | | |
| 04:00 | 273.4 | 3.3 | 284.2 | 5.8 | 291.0 | | | | |
| 04:15 | 274.3 | 3.4 | 284.4 | 6.0 | 293.0 | | | | |
| 04:30 | 280.7 | 4.1 | 283.3 | 6.2 | 294.1 | | | | |
| 04:45 | 277.4 | 4.3 | 285.7 | 7.0 | 292.0 | | | | |
| 05:00 | 276.0 | 4.7 | 290.4 | 7.6 | 289.1 | | | | |
| 05:15 | 273.1 | 5.3 | 289.0 | 8.5 | 287.0 | | | | |
| 05:30 | 270.6 | 5.4 | 286.3 | 8.5 | 289.0 | | | | |
| 05:45 | 268.8 | 5.9 | 281.6 | 8.5 | 291.0 | | | | |
| 06:00 | 266.4 | 6.3 | 279.5 | 8.6 | 293.0 | | | | |
| 06:15 | 275.4 | 6.7 | 285.6 | 8.7 | 295.7 | | | | |
| 06:30 | 284.0 | 7.2 | 286.1 | 12.0 | 282.1 | | | | |
| 06:45 | 284.0 | 6.9 | 284.3 | 11.0 | 283.0 | | | | |
| 07:00 | 285.6 | 6.3 | 291.9 | 10.0 | 283.0 | | | | |
| 07:15 | 279.5 | 6.7 | 281.8 | 9.0 | 284.0 | | | | |
| 07:30 | 273.5 | 6.7 | 273.5 | 8.0 | 285.0 | | | | |
| 07:45 | 275.5 | 6.2 | 276.0 | 7.0 | 285.0 | | | | |
| 08:00 | 277.2 | 3.5 | 276.0 | 6.0 | 286.0 | | | | |
| 08:15 | 266.0 | 1.4 | 276.8 | 5.0 | 286.0 | | | | |
| 08:30 | 260.9 | 1.4 | 267.4 | 4.0 | 287.0 | | | | |
| 08:45 | 264.8 | 1.2 | 278.7 | 3.0 | 287.0 | | | | |
| 09:00 | 261.9 | .2 | 125.7 | 2.3 | 287.7 | | | | |
| 09:15 | 246.4 | .2 | 183.6 | 1.0 | 270.1 | | | | |
| 09:30 | 343.0 | .2 | 205.5 | .4 | 145.6 | | | | |
| 09:45 | 10.4 | .3 | 341.6 | 1.1 | 23.0 | | | | |
| 10:00 | 36.7 | .6 | 349.8 | 1.5 | 35.0 | | | | |
| 10:15 | 35.9 | .6 | 344.1 | 2.0 | 48.0 | | | | |
| 10:30 | 12.3 | .7 | 351.4 | 2.3 | 60.0 | | | | |
| 10:45 | 27.7 | .7 | 34.5 | 2.5 | 73.0 | | | | |
| 11:00 | 53.8 | 1.2 | 59.6 | 2.7 | 86.3 | | | | |
| 11:15 | 80.9 | 3.2 | 82.0 | 3.0 | 90.0 | | | | |
| 11:30 | 90.6 | 3.4 | 93.8 | 3.5 | 95.0 | | | | |
| 11:45 | 105.0 | 1.9 | 103.3 | 4.0 | 100.0 | | | | |
| 12:00 | 112.0 | 1.1 | 153.8 | 4.5 | 105.0 | | | | |
| 12:15 | 94.8 | 1.3 | 135.1 | 5.0 | 110.0 | | | | |

Daily Summary Report

Site: ORNL Sodar

6/16/2017

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 | 8.3 | 302.6 | | | | |
| 01:30 | 7.9 | 302.3 | | | | |
| 01:45 | 8.3 | 306.0 | | | | |
| 02:00 | 8.5 | 311.0 | | | | |
| 02:15 | 9.0 | 316.0 | | | | |
| 02:30 | | | | | | |
| 02:45 | | | | | | |
| 03:00 | | | | | | |
| 03:15 | | | | | | |
| 03:30 | | | | | | |
| 03:45 | | | | | | |
| 04:00 | | | | | | |
| 04:15 | | | | | | |
| 04:30 | | | | | | |
| 04:45 | | | | | | |
| 05:00 | | | | | | |
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| 06:45 | | | | | | |
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| 07:30 | | | | | | |
| 07:45 | | | | | | |
| 08:00 | | | | | | |
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| 12:00 | | | | | | |
| 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 | | | | | | |
| 13:00 | | | | | | |
| 13:15 | | | | | | |
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| 13:45 | | | | | | |
| 14:00 | | | | | | |
| 14:15 | | | | | | |
| 14:30 | | | | | | |
| 14:45 | | | | | | |
| 15:00 | | | | | | |
| 15:15 | | | | | | |
| 15:30 | | | | | | |
| 15:45 | | | | | | |
| 16:00 | | | | | | |
| 16:15 | | | | | | |
| 16:30 | | | | | | |
| 16:45 | | | | | | |
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| 18:15 | | | | | | |
| 18:30 | | | | | | |
| 18:45 | | | | | | |
| 19:00 | | | | | | |
| 19:15 | | | | | | |
| 19:30 | | | | | | |
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| 20:15 | | | | | | |
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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 | 8.4 | 307.6 | | | | |
| Max | 9.0 | 316.0 | | | | |
| Hr. of Max | 09 | 09 | | | | |
| Min | 7.9 | 302.3 | | | | |
| Count | 5 | 5 | 0 | 0 | 0 | 0 |
| Total | | | | | | |