

Daily Summary Report

Site: ORNL Sodar

12/10/2017

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 | .8 | 286.2 | .6 | 252.8 | 2.4 | 287.6 | 3.2 | 288.5 |
| 00:15 | 100 | .7 | 292.6 | .6 | 273.8 | 1.9 | 299.8 | 2.5 | 294.7 |
| 00:30 | 100 | .7 | 291.5 | .6 | 296.5 | 1.2 | 298.4 | 1.9 | 287.8 |
| 00:45 | 100 | .6 | 285.9 | .6 | 282.6 | 1.0 | 299.2 | 1.6 | 285.8 |
| 01:00 | 100 | .4 | 285.2 | .4 | 266.1 | 1.1 | 312.7 | 1.3 | 293.5 |
| 01:15 | 100 | .4 | 303.1 | .3 | 255.4 | 1.2 | 315.4 | 1.6 | 301.0 |
| 01:30 | 100 | .6 | 327.7 | .4 | 288.4 | 1.4 | 309.8 | 2.0 | 300.1 |
| 01:45 | 100 | .4 | 336.8 | .6 | 288.5 | 1.4 | 305.1 | 1.7 | 301.1 |
| 02:00 | 100 | .4 | 331.9 | .5 | 290.5 | 1.8 | 302.1 | 2.0 | 298.3 |
| 02:15 | 100 | .6 | 301.4 | .4 | 312.6 | 1.8 | 310.0 | 2.4 | 294.2 |
| 02:30 | 100 | .5 | 303.5 | .8 | 306.3 | 2.1 | 312.9 | 2.7 | 296.1 |
| 02:45 | 100 | .4 | 330.0 | .9 | 301.5 | 2.1 | 305.5 | 2.4 | 296.4 |
| 03:00 | 100 | .5 | 312.1 | .8 | 300.0 | 1.4 | 314.4 | 1.4 | 298.4 |
| 03:15 | 100 | .6 | 303.5 | .7 | 305.5 | 1.7 | 316.9 | 1.9 | 303.9 |
| 03:30 | 100 | .3 | 314.7 | .3 | 299.9 | 1.6 | 311.2 | 2.2 | 303.5 |
| 03:45 | 100 | .1 | 95.1 | .4 | 294.8 | 1.3 | 302.7 | 1.6 | 296.1 |
| 04:00 | 100 | .3 | 207.2 | .8 | 310.2 | 1.2 | 302.5 | 1.0 | 294.9 |
| 04:15 | 100 | .4 | 213.8 | 1.0 | 303.2 | 1.0 | 310.0 | .6 | 305.1 |
| 04:30 | 100 | .5 | 205.4 | .8 | 301.7 | .9 | 313.5 | .5 | 311.9 |
| 04:45 | 100 | .6 | 210.6 | .5 | 303.8 | .9 | 308.3 | .5 | 309.9 |
| 05:00 | 100 | .6 | 201.4 | .4 | 292.2 | .8 | 306.2 | .7 | 305.6 |
| 05:15 | 100 | .5 | 237.4 | .5 | 312.4 | .6 | 321.5 | .6 | 313.7 |
| 05:30 | 100 | .8 | 265.9 | .7 | 322.1 | 1.0 | 317.2 | .6 | 308.6 |
| 05:45 | 100 | .9 | 269.6 | .6 | 309.1 | 1.1 | 311.3 | .8 | 310.4 |
| 06:00 | 100 | .5 | 273.8 | .4 | 317.0 | .7 | 319.0 | .7 | 319.1 |
| 06:15 | 100 | .3 | 315.7 | .5 | 289.3 | .3 | 339.6 | .4 | 313.9 |
| 06:30 | 100 | .3 | 330.9 | .5 | 283.8 | .3 | 335.6 | .3 | 312.5 |
| 06:45 | 100 | .3 | 288.5 | .3 | 309.2 | .4 | 312.1 | .2 | 306.5 |
| 07:00 | 100 | .4 | 299.4 | .5 | 285.0 | .5 | 298.0 | .3 | 326.5 |
| 07:15 | 100 | .4 | 318.8 | 1.0 | 284.0 | .7 | 299.8 | .3 | 339.2 |
| 07:30 | 100 | .4 | 271.0 | 1.3 | 286.5 | 1.0 | 287.4 | .4 | 323.7 |
| 07:45 | 100 | .4 | 243.1 | 1.2 | 290.1 | 1.3 | 280.3 | .5 | 304.2 |
| 08:00 | 100 | .2 | 249.2 | .7 | 273.9 | 1.1 | 278.7 | .5 | 289.5 |
| 08:15 | 100 | .2 | 279.6 | .3 | 250.2 | 1.1 | 274.7 | .4 | 290.3 |
| 08:30 | 100 | .3 | 263.2 | .4 | 280.4 | 1.2 | 276.4 | .3 | 285.9 |
| 08:45 | 100 | .4 | 258.5 | .9 | 274.4 | 1.2 | 280.1 | .4 | 272.2 |
| 09:00 | 100 | .5 | 270.8 | 1.0 | 262.4 | 1.7 | 272.5 | 1.4 | 271.8 |
| 09:15 | 100 | .4 | 265.9 | 1.2 | 254.2 | 1.8 | 261.7 | 2.1 | 263.7 |
| 09:30 | 100 | .2 | 227.2 | 1.1 | 241.7 | 1.3 | 253.5 | 1.6 | 254.5 |
| 09:45 | 100 | .2 | 220.8 | .7 | 220.3 | .8 | 251.6 | 1.2 | 250.3 |
| 10:00 | 100 | .5 | 229.9 | 1.1 | 222.4 | 1.1 | 241.4 | 1.5 | 243.3 |
| 10:15 | 100 | 1.0 | 229.8 | 1.6 | 214.7 | 1.6 | 221.5 | 1.9 | 223.3 |
| 10:30 | 100 | 1.2 | 226.7 | 2.3 | 220.6 | 2.0 | 213.8 | 2.1 | 208.7 |
| 10:45 | 100 | 1.5 | 212.8 | 2.8 | 216.7 | 2.5 | 211.0 | 2.4 | 216.0 |
| 11:00 | 100 | 1.7 | 214.3 | 2.9 | 203.3 | 3.1 | 215.3 | 3.1 | 208.7 |
| 11:15 | 100 | 1.8 | 218.5 | 3.0 | 207.6 | 3.4 | 227.6 | 3.5 | 214.7 |
| 11:30 | 100 | 2.3 | 222.7 | 3.3 | 220.5 | 3.9 | 225.1 | 3.6 | 222.4 |
| 11:45 | 100 | 2.4 | 235.4 | 3.8 | 221.9 | 4.5 | 218.5 | 4.0 | 217.3 |
| 12:00 | 100 | 2.8 | 239.3 | 3.6 | 227.8 | 4.9 | 229.6 | 4.5 | 229.5 |
| 12:15 | 100 | 2.8 | 241.4 | 3.2 | 233.2 | 4.1 | 236.1 | 3.9 | 234.4 |

Daily Summary Report

Site: ORNL Sodar

12/10/2017

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 | 1.9 | 289.9 | 3.3 | 293.2 | 7.1 | 279.5 | 7.7 | 279.3 | |
| 00:15 | 2.1 | 294.2 | 2.4 | 306.1 | 3.6 | 284.9 | 6.1 | 280.0 | |
| 00:30 | 1.3 | 288.6 | 1.5 | 320.3 | 3.0 | 286.0 | | | |
| 00:45 | .6 | 281.6 | 1.0 | 311.4 | 2.0 | 288.0 | | | |
| 01:00 | .9 | 285.0 | 1.2 | 318.5 | .2 | 290.0 | | | |
| 01:15 | 1.1 | 282.9 | 1.1 | 316.5 | 1.2 | 293.1 | | | |
| 01:30 | 1.1 | 292.9 | .8 | 318.8 | .8 | 301.2 | | | |
| 01:45 | .9 | 291.9 | .9 | 326.5 | .3 | 260.9 | | | |
| 02:00 | 1.4 | 289.4 | 1.4 | 323.8 | .2 | 17.0 | | | |
| 02:15 | 1.6 | 296.8 | 1.7 | 321.2 | 1.1 | 292.0 | | | |
| 02:30 | 1.7 | 309.5 | 1.3 | 323.4 | 1.1 | 282.7 | | | |
| 02:45 | 1.5 | 314.5 | 1.0 | 327.2 | 1.0 | 268.4 | | | |
| 03:00 | 1.1 | 306.1 | 1.1 | 318.8 | 1.1 | 278.0 | | | |
| 03:15 | 1.2 | 306.8 | 1.2 | 313.2 | 1.1 | 276.2 | | | |
| 03:30 | 1.5 | 311.6 | .9 | 316.9 | .5 | 288.3 | | | |
| 03:45 | 1.1 | 308.3 | .6 | 317.5 | .4 | 279.3 | | | |
| 04:00 | .4 | 297.0 | .2 | 251.7 | .4 | 216.9 | .7 | 64.4 | |
| 04:15 | .3 | 305.1 | .2 | 192.9 | .5 | 191.8 | .4 | 121.5 | |
| 04:30 | .3 | 303.9 | .1 | 198.7 | .3 | 166.7 | .8 | 150.0 | 1.7 |
| 04:45 | .2 | 301.2 | .2 | 260.4 | .2 | 179.1 | 1.4 | 98.3 | 1.0 |
| 05:00 | .3 | 328.4 | .5 | 327.4 | .4 | 338.2 | 2.3 | 77.2 | 3.0 |
| 05:15 | .3 | 355.9 | .6 | 340.3 | .5 | 27.0 | 2.9 | 84.6 | 5.5 |
| 05:30 | .4 | 14.0 | .5 | 358.4 | .4 | 77.0 | 1.2 | 40.0 | 5.0 |
| 05:45 | .5 | 2.1 | .1 | 120.5 | .3 | 292.2 | 1.2 | 55.0 | 4.0 |
| 06:00 | .4 | 348.0 | .2 | 229.8 | .6 | 14.3 | 1.2 | 70.0 | 2.0 |
| 06:15 | .4 | 333.2 | .3 | 320.8 | .3 | 50.4 | 1.2 | 90.8 | 3.2 |
| 06:30 | .4 | 334.4 | .2 | 290.6 | .8 | 279.3 | 1.3 | 98.4 | |
| 06:45 | .4 | 345.0 | .2 | 263.7 | .6 | 295.0 | 1.5 | 79.0 | |
| 07:00 | .3 | 347.3 | .2 | 268.0 | .5 | 315.0 | | | |
| 07:15 | .1 | 23.4 | .4 | 314.9 | .4 | 331.6 | | | |
| 07:30 | .1 | 340.7 | .3 | 3.9 | .2 | 186.9 | | | |
| 07:45 | .4 | 288.5 | .1 | 107.2 | .4 | 182.2 | | | |
| 08:00 | .3 | 280.2 | .2 | 144.8 | .5 | 40.0 | | | |
| 08:15 | .2 | 267.2 | .1 | 203.9 | .4 | 59.4 | .8 | 358.7 | |
| 08:30 | .1 | 267.9 | .1 | 243.6 | .3 | 98.0 | 2.4 | 94.1 | |
| 08:45 | .1 | 109.4 | .1 | 278.9 | .2 | 61.6 | 1.2 | 117.0 | |
| 09:00 | .2 | 51.9 | .1 | 353.4 | .8 | 340.8 | | | |
| 09:15 | .1 | 308.4 | .1 | 95.3 | | | | | |
| 09:30 | .8 | 258.4 | .5 | 274.9 | | | | | |
| 09:45 | .9 | 258.6 | 1.0 | 290.0 | | | | | |
| 10:00 | .7 | 243.8 | 1.0 | 293.0 | | | | | |
| 10:15 | 1.1 | 215.7 | .9 | 218.3 | 2.8 | 244.7 | | | |
| 10:30 | 1.7 | 202.2 | 2.1 | 200.5 | 2.7 | 256.0 | | | |
| 10:45 | 2.3 | 214.9 | 3.0 | 208.5 | 4.0 | 230.0 | | | |
| 11:00 | 3.9 | 212.6 | 4.9 | 206.9 | 6.1 | 210.5 | | | |
| 11:15 | 4.2 | 217.3 | 5.0 | 209.4 | 6.5 | 212.4 | 8.5 | 215.5 | |
| 11:30 | 3.6 | 219.0 | 5.0 | 204.7 | 8.3 | 199.6 | 9.6 | 208.6 | |
| 11:45 | 4.5 | 209.3 | 5.9 | 200.3 | 7.4 | 205.4 | 10.0 | 210.4 | |
| 12:00 | 4.6 | 221.2 | 5.0 | 211.4 | 8.5 | 211.9 | 9.7 | 212.3 | 12.1 |
| 12:15 | 3.8 | 225.5 | 4.5 | 220.1 | 7.7 | 210.3 | 8.7 | 216.0 | 11.5 |

Daily Summary Report

Site: ORNL Sodar

12/10/2017

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 | | | | | | | |
| 00:15 | | | | | | | |
| 00:30 | | | | | | | |
| 00:45 | | | | | | | |
| 01:00 | | | | | | | |
| 01:15 | | | | | | | |
| 01:30 | | | | | | | |
| 01:45 | | | | | | | |
| 02:00 | | | | | | | |
| 02:15 | | | | | | | |
| 02:30 | | | | | | | |
| 02:45 | | | | | | | |
| 03:00 | | | | | | | |
| 03:15 | | | | | | | |
| 03:30 | | | | | | | |
| 03:45 | | | | | | | |
| 04:00 | | | | | | | |
| 04:15 | | | | | | | |
| 04:30 | 82.6 | | | | | | |
| 04:45 | 58.1 | | | | | | |
| 05:00 | 64.0 | | | | | | |
| 05:15 | 69.4 | | | | | | |
| 05:30 | 70.0 | | | | | | |
| 05:45 | 71.0 | | | | | | |
| 06:00 | 71.4 | | | | | | |
| 06:15 | 93.7 | | | | | | |
| 06:30 | | | | | | | |
| 06:45 | | | | | | | |
| 07:00 | | | | | | | |
| 07:15 | | | | | | | |
| 07:30 | | | | | | | |
| 07:45 | | | | | | | |
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| 11:00 | | | | | | | |
| 11:15 | | | | | | | |
| 11:30 | | | | | | | |
| 11:45 | | | | | | | |
| 12:00 | 212.4 | 11.8 | 211.6 | 12.3 | 217.9 | 13.6 | 229.3 |
| 12:15 | 221.0 | 12.4 | 220.5 | 10.8 | 215.6 | | |

| | 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 | 221.8 | | | | | | |
| 12:45 | 222.0 | | | | | | |
| 13:00 | 222.0 | | | | | | |
| 13:15 | 222.0 | | | | | | |
| 13:30 | 22.0 | | | | | | |
| 13:45 | 222.3 | | | | | | |
| 14:00 | 225.0 | | | | | | |
| 14:15 | | | | | | | |
| 14:30 | | | | | | | |
| 14:45 | | | | | | | |
| 15:00 | | | | | | | |
| 15:15 | | | | | | | |
| 15:30 | | | | | | | |
| 15:45 | | | | | | | |
| 16:00 | | | | | | | |
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| 16:45 | | | | | | | |
| 17:00 | | | | | | | |
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| 17:45 | | | | | | | |
| 18:00 | | | | | | | |
| 18:15 | | | | | | | |
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| 18:45 | | | | | | | |
| 19:00 | | | | | | | |
| 19:15 | | | | | | | |
| 19:30 | | | | | | | |
| 19:45 | | | | | | | |
| 20:00 | | | | | | | |
| 20:15 | | | | | | | |
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| 20:45 | | | | | | | |
| 21:00 | | | | | | | |
| 21:15 | | | | | | | |
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| 21:45 | | | | | | | |
| 22:00 | | | | | | | |
| 22:15 | | | | | | | |
| 22:30 | | | | | | | |
| 22:45 | | | | | | | |
| 23:00 | | | | | | | |
| 23:15 | | | | | | | |
| 23:30 | | | | | | | |
| 23:45 | | | | | | | |
| Avg | 139.5 | 12.1 | 216.1 | 11.6 | 216.8 | 13.6 | 229.3 |
| Max | 225.0 | 12.4 | 220.5 | 12.3 | 217.9 | 13.6 | 229.3 |
| Hr. of Max | 56 | 49 | 49 | 48 | 48 | 48 | 48 |
| Min | 22.0 | 11.8 | 211.6 | 10.8 | 215.6 | 13.6 | 229.3 |
| Count | 17 | 2 | 2 | 2 | 2 | 1 | 1 |
| Total | | | | | | | |