

Daily Summary Report

Site: ORNL Sodar

11/2/2017

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 | .6 | 275.5 | 2.0 | 278.4 | 1.9 | 253.1 | 2.7 | 234.3 | 3.9 |
| 00:15 | .9 | 262.8 | 2.3 | 285.7 | 2.1 | 266.1 | 2.7 | 250.1 | 3.8 |
| 00:30 | .6 | 246.3 | 1.8 | 271.7 | 2.5 | 256.9 | 3.4 | 241.3 | 5.0 |
| 00:45 | .3 | 160.5 | 1.2 | 229.3 | 2.4 | 240.0 | 3.6 | 226.3 | 5.4 |
| 01:00 | .1 | 189.5 | .8 | 223.3 | 2.0 | 238.1 | 3.4 | 226.6 | 5.3 |
| 01:15 | .0 | 333.0 | .7 | 207.5 | 2.0 | 230.6 | 3.6 | 221.8 | 6.0 |
| 01:30 | .2 | 316.1 | .6 | 203.8 | 2.2 | 221.2 | 3.8 | 213.9 | 6.5 |
| 01:45 | .3 | 311.9 | .8 | 206.9 | 2.2 | 218.1 | 3.9 | 210.7 | 6.8 |
| 02:00 | .2 | 289.4 | .5 | 225.2 | 2.4 | 212.3 | 3.9 | 208.2 | 6.9 |
| 02:15 | .1 | 319.2 | .2 | 324.7 | 1.9 | 205.3 | 3.2 | 202.6 | 6.2 |
| 02:30 | .3 | 64.1 | .3 | 129.2 | 1.3 | 196.6 | 2.6 | 197.5 | 5.6 |
| 02:45 | .3 | 66.8 | .6 | 77.9 | 1.0 | 186.4 | 2.4 | 195.3 | 5.4 |
| 03:00 | .4 | 39.2 | .6 | 87.1 | .9 | 183.6 | 2.1 | 193.1 | 5.3 |
| 03:15 | .4 | 6.2 | .1 | 54.4 | 1.2 | 215.4 | 2.5 | 206.5 | 5.4 |
| 03:30 | .1 | 352.3 | .5 | 246.0 | 1.7 | 228.9 | 2.9 | 220.4 | 5.3 |
| 03:45 | .4 | 176.6 | 1.4 | 221.4 | 2.5 | 223.6 | 3.7 | 220.8 | 5.2 |
| 04:00 | .9 | 154.2 | 1.9 | 210.7 | 3.0 | 220.3 | 4.1 | 215.6 | 5.9 |
| 04:15 | .5 | 179.0 | 1.6 | 220.0 | 2.6 | 230.4 | 3.8 | 226.2 | 6.6 |
| 04:30 | 1.4 | 258.4 | 1.7 | 249.0 | 2.8 | 258.0 | 4.4 | 251.2 | 6.2 |
| 04:45 | 1.2 | 278.0 | 2.0 | 272.6 | 2.8 | 262.5 | 4.0 | 249.4 | 5.3 |
| 05:00 | .4 | 342.2 | .8 | 279.4 | 2.0 | 239.9 | 3.3 | 222.5 | 5.6 |
| 05:15 | .8 | 43.1 | .8 | 145.0 | 1.5 | 207.9 | 3.1 | 206.6 | 5.9 |
| 05:30 | .8 | 37.1 | .7 | 118.7 | 1.5 | 200.8 | 3.4 | 203.4 | 6.0 |
| 05:45 | .4 | 40.2 | .5 | 126.6 | 1.4 | 210.1 | 3.1 | 207.8 | 5.2 |
| 06:00 | .4 | 1.1 | .1 | 246.3 | 1.3 | 231.3 | 2.7 | 228.7 | 4.0 |
| 06:15 | .3 | 343.0 | .2 | 272.2 | 1.6 | 250.6 | 2.7 | 239.1 | 4.1 |
| 06:30 | .3 | 301.9 | .2 | 262.9 | 1.7 | 255.6 | 2.8 | 238.4 | 4.5 |
| 06:45 | .3 | 307.1 | .3 | 299.6 | 1.4 | 258.8 | 2.6 | 241.1 | 4.5 |
| 07:00 | .2 | 339.4 | .3 | 286.4 | 1.1 | 239.0 | 2.5 | 229.8 | 4.7 |
| 07:15 | .2 | 353.8 | .5 | 267.6 | 1.4 | 234.4 | 2.8 | 229.2 | 5.1 |
| 07:30 | .3 | 329.2 | .5 | 273.4 | 1.3 | 252.4 | 2.9 | 243.7 | 4.7 |
| 07:45 | .3 | 316.1 | .6 | 271.4 | 1.3 | 256.3 | 2.9 | 247.2 | 4.7 |
| 08:00 | .2 | 329.2 | .8 | 271.1 | 1.8 | 246.6 | 3.4 | 239.4 | 5.3 |
| 08:15 | 1.0 | 278.5 | 1.2 | 252.6 | 2.9 | 243.6 | 4.4 | 237.3 | 6.0 |
| 08:30 | 1.1 | 278.0 | 1.0 | 236.4 | 2.6 | 246.0 | 4.0 | 236.1 | 5.6 |
| 08:45 | .3 | 348.9 | .1 | 212.6 | 1.3 | 248.2 | 2.9 | 236.1 | 5.0 |
| 09:00 | .4 | 348.7 | .2 | 57.9 | 1.3 | 239.5 | 3.0 | 235.0 | 5.2 |
| 09:15 | .4 | 335.3 | .3 | 99.9 | 1.4 | 232.6 | 3.1 | 231.9 | 5.2 |
| 09:30 | .3 | 17.5 | .4 | 75.1 | 1.2 | 242.4 | 2.8 | 237.2 | 4.9 |
| 09:45 | .5 | 73.0 | .2 | 113.2 | 1.3 | 238.4 | 2.9 | 229.0 | 5.2 |
| 10:00 | .5 | 91.5 | .4 | 208.3 | 1.5 | 229.4 | 3.0 | 220.7 | 5.5 |
| 10:15 | .2 | 106.2 | .4 | 249.7 | 1.2 | 234.1 | 2.7 | 225.4 | 5.2 |
| 10:30 | .1 | 342.4 | .1 | 273.0 | .9 | 228.5 | 2.2 | 221.0 | 4.7 |
| 10:45 | .1 | 275.2 | .3 | 302.2 | 1.0 | 249.5 | 2.1 | 226.8 | 4.3 |
| 11:00 | .4 | 260.5 | .4 | 296.6 | 1.1 | 263.2 | 2.1 | 234.0 | 4.2 |
| 11:15 | .4 | 246.1 | .1 | 13.1 | .9 | 267.8 | 1.9 | 236.1 | 4.0 |
| 11:30 | .3 | 186.4 | .1 | 331.0 | .8 | 267.7 | 1.6 | 236.6 | 3.5 |
| 11:45 | .3 | 233.1 | .1 | 178.2 | .7 | 225.9 | 1.5 | 213.4 | 3.7 |
| 12:00 | .8 | 259.1 | .2 | 178.8 | 1.0 | 213.5 | 2.0 | 204.6 | 4.4 |
| 12:15 | .5 | 255.3 | .3 | 230.7 | .7 | 230.3 | 1.5 | 211.7 | 3.5 |

Daily Summary Report

Site: ORNL Sodar

11/2/2017

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 | 209.4 | 6.3 | 198.6 | 8.8 | 194.3 | 9.6 | 195.0 | 11.3 | 211.6 |
| 00:15 | 226.7 | 6.3 | 204.7 | 9.0 | 194.5 | 10.5 | 191.1 | 10.4 | 200.1 |
| 00:30 | 219.4 | 7.4 | 201.4 | 9.5 | 190.8 | 10.6 | 186.0 | 9.4 | 183.9 |
| 00:45 | 208.1 | 7.7 | 198.9 | 10.2 | 190.8 | 9.6 | 185.3 | 10.3 | 185.4 |
| 01:00 | 209.3 | 7.5 | 202.6 | 11.0 | 195.9 | 10.0 | 190.5 | 12.1 | 210.4 |
| 01:15 | 205.5 | 7.9 | 199.3 | 10.4 | 191.7 | 10.3 | 189.3 | 10.3 | 205.0 |
| 01:30 | 198.9 | 9.1 | 193.4 | 10.2 | 183.8 | 9.9 | 182.9 | 9.7 | 183.2 |
| 01:45 | 194.0 | 9.4 | 189.5 | 10.5 | 182.6 | 10.4 | 181.0 | 10.7 | 186.1 |
| 02:00 | 193.6 | 9.5 | 189.3 | 10.9 | 182.3 | 12.0 | 179.8 | 10.3 | 184.7 |
| 02:15 | 197.1 | 9.3 | 189.7 | 11.4 | 181.3 | 12.0 | 179.7 | 10.1 | 178.9 |
| 02:30 | 197.0 | 8.6 | 188.2 | 10.9 | 181.1 | 12.0 | 179.2 | 10.2 | 181.0 |
| 02:45 | 195.2 | 8.4 | 188.0 | 10.2 | 180.3 | 11.6 | 180.2 | 10.3 | 183.0 |
| 03:00 | 195.4 | 8.5 | 187.2 | 9.9 | 180.1 | 11.1 | 181.1 | 10.4 | 185.0 |
| 03:15 | 200.3 | 8.4 | 190.9 | 10.7 | 182.5 | 10.4 | 181.4 | 10.5 | 186.4 |
| 03:30 | 209.1 | 7.7 | 196.4 | 10.9 | 186.7 | 9.6 | 184.9 | 11.0 | 194.1 |
| 03:45 | 212.9 | 7.6 | 201.6 | 11.1 | 196.0 | 8.8 | 199.2 | 10.5 | 193.0 |
| 04:00 | 210.8 | 8.6 | 203.2 | 11.8 | 197.0 | 11.5 | 193.0 | 10.2 | 192.0 |
| 04:15 | 215.2 | 9.2 | 206.6 | 11.9 | 196.3 | 11.6 | 197.7 | 9.9 | 191.2 |
| 04:30 | 230.1 | 8.5 | 213.5 | 11.8 | 202.1 | 13.2 | 199.9 | 13.6 | 211.2 |
| 04:45 | 223.8 | 7.4 | 208.0 | 11.1 | 198.0 | 13.4 | 196.6 | 11.3 | 207.0 |
| 05:00 | 203.3 | 7.8 | 196.0 | 11.5 | 189.0 | 12.5 | 187.9 | 9.5 | 203.2 |
| 05:15 | 196.8 | 8.7 | 190.7 | 11.9 | 186.8 | 11.0 | 184.9 | 9.6 | 204.0 |
| 05:30 | 197.0 | 8.9 | 191.3 | 12.0 | 184.1 | 11.0 | 186.0 | 9.7 | 204.0 |
| 05:45 | 201.1 | 8.1 | 195.7 | 11.5 | 190.9 | 11.0 | 189.0 | 9.8 | 205.0 |
| 06:00 | 218.2 | 6.6 | 201.5 | 10.3 | 201.4 | 11.3 | 192.0 | 9.9 | 205.0 |
| 06:15 | 220.5 | 6.4 | 202.1 | 11.0 | 196.6 | 11.5 | 195.0 | 9.9 | 205.0 |
| 06:30 | 212.9 | 7.0 | 202.9 | 10.9 | 194.7 | 11.5 | 198.0 | 10.0 | 206.0 |
| 06:45 | 217.0 | 7.3 | 202.6 | 10.4 | 196.6 | 11.8 | 200.0 | 10.0 | 206.0 |
| 07:00 | 213.2 | 7.7 | 197.4 | 11.5 | 195.6 | 12.0 | 202.0 | 10.1 | 206.0 |
| 07:15 | 208.6 | 8.0 | 197.4 | 12.4 | 196.8 | 12.3 | 204.0 | 10.2 | 206.0 |
| 07:30 | 216.5 | 7.3 | 205.0 | 12.6 | 197.5 | 12.5 | 206.0 | 10.3 | 207.0 |
| 07:45 | 224.8 | 7.2 | 206.9 | 11.9 | 199.0 | 12.8 | 208.0 | 10.3 | 207.0 |
| 08:00 | 221.5 | 7.7 | 202.2 | 12.1 | 200.5 | 12.8 | 209.3 | 10.4 | 207.0 |
| 08:15 | 216.6 | 7.9 | 203.0 | 12.2 | 204.8 | 11.8 | 210.7 | 10.4 | 208.0 |
| 08:30 | 213.7 | 7.5 | 202.8 | 12.6 | 201.0 | 10.6 | 210.5 | 10.5 | 208.0 |
| 08:45 | 213.9 | 7.4 | 202.9 | 12.8 | 199.5 | 11.0 | 207.0 | 10.6 | 208.0 |
| 09:00 | 213.5 | 7.7 | 201.7 | 12.1 | 198.8 | 11.3 | 205.0 | 10.6 | 208.0 |
| 09:15 | 214.7 | 7.4 | 200.2 | 11.8 | 196.1 | 11.5 | 203.0 | 10.7 | 209.0 |
| 09:30 | 218.4 | 7.3 | 200.8 | 12.2 | 196.9 | 12.0 | 201.0 | 10.7 | 209.0 |
| 09:45 | 209.7 | 7.7 | 197.7 | 11.9 | 192.2 | 12.4 | 198.7 | 10.8 | 209.0 |
| 10:00 | 203.8 | 7.8 | 195.9 | 11.6 | 190.3 | 11.8 | 192.6 | 10.8 | 209.0 |
| 10:15 | 207.2 | 7.4 | 196.7 | 12.2 | 192.0 | 11.5 | 193.0 | 10.9 | 209.0 |
| 10:30 | 203.9 | 7.4 | 193.8 | 12.2 | 190.1 | 11.3 | 193.0 | 10.9 | 210.0 |
| 10:45 | 202.3 | 7.2 | 192.8 | 11.2 | 189.3 | 11.0 | 194.0 | 11.0 | 210.0 |
| 11:00 | 203.5 | 7.2 | 192.2 | 10.2 | 188.6 | 10.8 | 194.0 | 11.0 | 210.0 |
| 11:15 | 201.7 | 7.1 | 189.3 | 9.9 | 186.3 | 10.5 | 194.0 | 11.1 | 210.0 |
| 11:30 | 202.2 | 6.5 | 189.0 | 10.7 | 190.9 | 10.3 | 194.0 | 11.1 | 210.0 |
| 11:45 | 196.1 | 6.6 | 188.4 | 9.7 | 190.4 | 10.1 | 194.7 | 11.1 | 210.5 |
| 12:00 | 192.1 | 7.4 | 187.6 | 9.7 | 188.8 | 10.9 | 208.6 | 11.9 | 214.7 |
| 12:15 | 191.4 | 6.1 | 189.0 | 9.8 | 186.3 | 10.6 | 203.0 | 13.3 | 215.4 |

Daily Summary Report

Site: ORNL Sodar

11/2/2017

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 | | | | | | |
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| 11:15 | | | | | | |
| 11:30 | | | | | | |
| 11:45 | 14.0 | 216.9 | 16.4 | 219.4 | | |
| 12:00 | 12.4 | 216.1 | 15.8 | 221.0 | | |
| 12:15 | 13.3 | 218.1 | 15.1 | 221.0 | 14.8 | 223.5 |

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | 13.5 | 219.0 | | | | |
| 12:45 | 13.9 | 220.2 | | | | |
| 13:00 | 14.0 | 223.2 | | | | |
| 13:15 | | | | | | |
| 13:30 | | | | | | |
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| 23:00 | | | | | | |
| 23:15 | | | | | | |
| 23:30 | | | | | | |
| 23:45 | | | | | | |
| Avg | 13.5 | 218.9 | 15.8 | 220.5 | 14.8 | 223.5 |
| Max | 14.0 | 223.2 | 16.4 | 221.0 | 14.8 | 223.5 |
| Hr. of Max | 52 | 52 | 47 | 49 | 49 | 49 |
| Min | 12.4 | 216.1 | 15.1 | 219.4 | 14.8 | 223.5 |
| Count | 6 | 6 | 3 | 3 | 1 | 1 |
| Total | | | | | | |