

Daily Summary Report

Site: ORNL Sodar

12/25/2019

Interval: 015m

| | 03_WS060m | 04_WD060m | 05_WS100m | 06_WD100m | 07_WS140m | 08_WD140m | 09_WS180m | 10_WD180m | 11_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | KPH | DEG | M/SEC | DEG | M/SEC |
| 00:00 | .2 | 45.0 | .5 | 55.0 | .6 | 83.0 | 1.2 | 99.0 | .9 |
| 00:15 | .1 | 355.1 | .4 | 69.1 | .4 | 85.3 | .9 | 95.7 | 1.1 |
| 00:30 | .2 | 16.8 | .3 | 87.9 | .4 | 87.9 | .9 | 101.8 | .9 |
| 00:45 | .2 | 323.8 | .2 | 105.6 | .3 | 88.6 | .7 | 100.9 | .9 |
| 01:00 | .4 | 283.9 | .1 | 126.7 | .1 | 76.8 | .3 | 101.6 | .8 |
| 01:15 | .5 | 283.0 | .1 | 235.9 | .0 | 307.6 | .2 | 147.0 | .6 |
| 01:30 | .5 | 275.5 | .1 | 253.3 | .1 | 149.5 | .6 | 146.0 | .5 |
| 01:45 | .5 | 269.2 | .2 | 102.2 | .3 | 106.4 | .7 | 129.9 | .5 |
| 02:00 | .3 | 265.9 | .5 | 116.0 | .6 | 108.6 | .8 | 107.9 | .7 |
| 02:15 | .5 | 267.7 | .8 | 116.3 | .9 | 118.1 | .9 | 110.3 | .6 |
| 02:30 | .5 | 275.5 | .9 | 113.0 | .8 | 119.3 | .7 | 119.4 | .6 |
| 02:45 | .0 | 260.9 | .5 | 108.6 | .6 | 123.1 | .6 | 129.0 | .5 |
| 03:00 | .2 | 102.2 | .2 | 72.1 | .3 | 123.4 | .3 | 121.0 | .4 |
| 03:15 | .2 | 109.5 | .2 | 34.8 | .1 | 94.5 | .1 | 72.9 | .5 |
| 03:30 | .3 | 98.3 | .1 | 61.2 | .1 | 64.3 | .1 | 71.2 | .7 |
| 03:45 | .3 | 95.5 | .1 | 129.8 | .1 | 225.5 | .1 | 316.4 | .9 |
| 04:00 | .3 | 119.2 | .1 | 91.1 | .1 | 268.1 | .2 | 313.6 | .8 |
| 04:15 | .3 | 112.8 | .2 | 82.5 | .1 | 7.1 | .3 | 348.6 | .3 |
| 04:30 | .2 | 113.3 | .4 | 58.5 | .1 | 22.2 | .2 | .2 | .6 |
| 04:45 | .3 | 114.6 | .4 | 72.4 | .1 | 122.0 | .2 | 30.3 | .8 |
| 05:00 | .3 | 88.8 | .4 | 103.0 | .2 | 122.6 | .1 | 71.1 | .9 |
| 05:15 | .2 | 71.7 | .6 | 94.9 | .2 | 119.9 | .1 | 77.8 | .7 |
| 05:30 | .3 | 85.0 | .8 | 92.2 | .2 | 107.2 | .1 | 125.7 | .5 |
| 05:45 | .3 | 94.1 | .9 | 93.9 | .4 | 116.2 | .1 | 202.2 | .8 |
| 06:00 | .4 | 70.2 | 1.1 | 89.5 | .7 | 116.3 | .2 | 123.1 | .9 |
| 06:15 | .6 | 62.6 | 1.3 | 83.0 | 1.0 | 123.5 | .6 | 136.3 | .6 |
| 06:30 | .8 | 61.9 | 1.4 | 73.9 | 1.2 | 140.7 | 1.2 | 156.0 | .2 |
| 06:45 | .7 | 66.2 | 1.3 | 72.3 | 1.4 | 148.1 | 2.1 | 159.5 | .4 |
| 07:00 | .6 | 77.3 | 1.2 | 93.5 | 1.9 | 154.1 | 3.0 | 163.8 | 1.2 |
| 07:15 | .5 | 59.3 | 1.3 | 102.4 | 2.3 | 155.8 | 3.4 | 166.3 | 1.6 |
| 07:30 | .5 | 12.8 | 1.5 | 70.1 | 1.6 | 140.9 | 2.9 | 165.9 | 1.2 |
| 07:45 | .6 | 28.8 | 1.7 | 48.1 | 1.2 | 101.0 | 2.2 | 160.9 | .9 |
| 08:00 | .8 | 59.0 | 1.5 | 48.4 | 1.3 | 95.4 | 1.8 | 155.8 | .8 |
| 08:15 | 1.0 | 66.9 | 1.5 | 41.4 | 1.2 | 77.1 | 1.2 | 147.7 | .8 |
| 08:30 | 1.1 | 66.4 | 1.5 | 39.7 | 1.1 | 57.4 | .8 | 128.9 | 1.3 |
| 08:45 | .9 | 57.6 | 1.3 | 48.9 | .7 | 54.6 | .3 | 115.2 | 1.2 |
| 09:00 | .6 | 54.8 | .8 | 38.1 | .7 | 27.3 | .5 | 8.1 | 1.2 |
| 09:15 | .6 | 60.3 | .7 | 32.0 | 1.0 | 21.4 | .9 | 5.1 | 1.4 |
| 09:30 | .6 | 62.8 | .7 | 48.8 | 1.1 | 60.0 | .3 | 130.3 | 1.4 |
| 09:45 | .5 | 59.8 | .8 | 62.2 | 1.8 | 68.4 | 1.0 | 125.5 | 1.5 |
| 10:00 | .2 | 25.0 | 1.1 | 69.4 | 2.3 | 63.3 | 1.6 | 78.2 | 1.4 |
| 10:15 | .3 | 290.2 | 1.6 | 64.4 | 2.6 | 64.6 | 2.2 | 72.8 | 1.8 |
| 10:30 | .7 | 267.6 | 1.3 | 65.4 | 2.3 | 68.0 | 2.2 | 78.1 | 2.1 |
| 10:45 | .6 | 259.2 | 1.2 | 83.8 | 1.6 | 80.9 | 1.8 | 95.7 | 2.3 |
| 11:00 | .2 | 230.5 | 1.3 | 88.4 | 1.5 | 83.1 | 1.7 | 108.7 | 2.7 |
| 11:15 | .6 | 261.7 | .9 | 83.9 | 1.1 | 84.3 | 1.4 | 114.9 | 2.9 |
| 11:30 | .5 | 255.7 | .4 | 69.6 | .8 | 82.5 | 1.2 | 119.6 | 3.2 |
| 11:45 | .2 | 232.5 | .6 | 83.1 | .9 | 81.3 | 1.2 | 116.0 | 3.1 |
| 12:00 | .5 | 289.1 | .6 | 94.1 | .8 | 91.8 | .9 | 125.9 | 2.7 |
| 12:15 | .6 | 325.9 | .1 | 121.5 | .3 | 96.4 | .6 | 148.6 | 2.4 |
| 12:30 | .6 | 287.9 | .2 | 249.3 | .1 | 250.2 | .4 | 180.4 | 1.7 |

Daily Summary Report

Site: ORNL Sodar

12/25/2019

Interval: 015m

| | 12_WD240m | 13_WS300m | 14_WD300m | 15_WS400m | 16_WD400m | 17_WS500m | 18_WD500m | 19_WS600m | 20_WD600m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | 95.0 | .6 | .0 | 1.8 | 50.0 | 3.0 | 98.0 | 3.5 | 105.0 |
| 00:15 | 86.0 | .6 | 53.5 | 3.3 | 88.9 | 3.9 | 101.7 | 3.6 | 129.5 |
| 00:30 | 91.9 | .3 | 53.2 | 1.1 | 89.1 | 2.8 | 126.6 | 4.2 | 164.2 |
| 00:45 | 103.2 | .2 | 109.2 | .5 | 96.0 | 3.0 | 151.9 | 3.7 | 173.6 |
| 01:00 | 113.8 | .2 | 60.1 | .7 | 118.5 | 3.4 | 168.3 | 2.9 | 189.7 |
| 01:15 | 126.8 | .5 | 76.7 | .9 | 143.7 | 2.9 | 172.6 | 2.9 | 197.0 |
| 01:30 | 127.2 | .6 | 96.8 | 2.1 | 157.6 | 3.4 | 182.9 | 2.4 | 220.9 |
| 01:45 | 99.1 | .9 | 115.5 | 3.0 | 163.3 | 4.5 | 190.5 | 2.0 | 235.0 |
| 02:00 | 93.0 | .9 | 128.0 | 3.4 | 172.6 | 4.4 | 192.2 | 1.6 | 245.0 |
| 02:15 | 104.4 | 1.0 | 161.6 | 4.1 | 178.8 | 2.4 | 184.1 | 1.2 | 258.0 |
| 02:30 | 127.2 | 1.5 | 163.0 | 4.8 | 183.1 | 1.2 | 168.9 | .8 | 271.6 |
| 02:45 | 141.2 | 1.6 | 172.8 | 4.9 | 184.8 | 3.2 | 216.1 | 4.0 | 255.0 |
| 03:00 | 144.2 | 2.1 | 183.5 | 4.8 | 192.3 | 6.5 | 220.7 | 10.5 | 239.5 |
| 03:15 | 168.6 | 2.6 | 188.7 | 4.7 | 203.2 | 8.0 | 221.0 | 10.1 | 245.0 |
| 03:30 | 196.8 | 2.9 | 197.0 | 4.7 | 205.6 | 7.7 | 219.9 | 9.8 | 250.0 |
| 03:45 | 218.7 | 3.1 | 203.2 | 5.1 | 204.2 | 6.7 | 221.6 | 9.4 | 258.0 |
| 04:00 | 225.7 | 2.8 | 212.8 | 5.2 | 215.2 | 7.3 | 250.6 | 9.0 | 266.9 |
| 04:15 | 262.4 | 2.5 | 235.4 | 6.3 | 231.3 | 8.7 | 268.5 | 10.8 | 271.4 |
| 04:30 | 298.0 | 2.7 | 252.1 | 7.0 | 235.4 | 7.7 | 263.4 | 10.9 | 22.0 |
| 04:45 | 283.9 | 2.8 | 257.2 | 7.1 | 245.3 | 8.3 | 253.8 | 11.0 | 272.4 |
| 05:00 | 286.8 | 3.1 | 261.3 | 7.6 | 245.4 | 9.8 | 237.9 | | |
| 05:15 | 300.0 | 2.9 | 263.3 | 7.4 | 244.2 | 10.6 | 230.2 | | |
| 05:30 | 293.7 | 2.8 | 261.0 | 7.0 | 244.5 | 9.7 | 226.7 | | |
| 05:45 | 280.3 | 3.1 | 257.0 | 6.9 | 240.2 | 9.3 | 225.0 | | |
| 06:00 | 276.9 | 3.0 | 255.1 | 6.9 | 236.6 | 9.3 | 223.8 | | |
| 06:15 | 272.9 | 2.9 | 254.7 | 6.6 | 237.3 | 8.4 | 224.8 | | |
| 06:30 | 245.6 | 2.7 | 256.0 | 6.0 | 240.5 | 8.2 | 222.1 | | |
| 06:45 | 157.7 | 1.9 | 250.8 | 5.7 | 238.2 | 8.5 | 225.6 | | |
| 07:00 | 161.2 | 1.5 | 229.5 | 5.4 | 234.4 | 8.1 | 229.0 | | |
| 07:15 | 159.1 | 1.7 | 216.8 | 5.5 | 234.2 | 8.2 | 231.3 | | |
| 07:30 | 158.3 | 1.7 | 222.7 | 5.8 | 234.3 | 8.0 | 230.6 | | |
| 07:45 | 160.2 | 1.5 | 225.7 | 5.5 | 231.4 | 6.6 | 219.5 | | |
| 08:00 | 147.8 | 1.5 | 213.7 | 5.3 | 229.4 | 6.4 | 221.6 | 4.4 | 226.5 |
| 08:15 | 161.0 | 1.5 | 205.3 | 4.8 | 232.4 | 6.3 | 223.5 | 5.1 | 231.6 |
| 08:30 | 178.7 | 1.3 | 204.6 | 4.0 | 236.5 | 6.0 | 226.3 | 4.3 | 246.6 |
| 08:45 | 186.6 | .8 | 216.3 | 3.5 | 243.1 | 5.5 | 234.6 | 4.1 | 225.4 |
| 09:00 | 217.5 | .7 | 241.0 | 3.6 | 251.5 | 5.9 | 247.2 | 4.6 | 230.4 |
| 09:15 | 225.8 | 1.1 | 252.9 | 3.6 | 263.9 | 6.0 | 256.4 | 5.8 | 252.7 |
| 09:30 | 212.8 | 1.5 | 265.0 | 4.1 | 263.9 | 6.0 | 253.2 | 6.9 | 240.0 |
| 09:45 | 193.3 | 1.5 | 262.8 | 4.2 | 256.0 | 6.5 | 239.7 | 7.5 | 225.0 |
| 10:00 | 162.2 | 1.4 | 234.5 | 3.9 | 248.6 | 6.3 | 235.9 | 8.2 | 210.0 |
| 10:15 | 148.4 | 1.5 | 210.3 | 3.8 | 241.1 | 6.1 | 233.1 | 8.1 | 210.0 |
| 10:30 | 154.1 | 1.6 | 199.5 | 3.7 | 237.2 | 5.6 | 231.8 | 7.6 | 211.1 |
| 10:45 | 157.0 | 1.7 | 196.9 | 3.4 | 237.0 | 5.5 | 232.0 | 6.5 | 192.5 |
| 11:00 | 155.4 | 1.8 | 188.5 | 3.4 | 230.5 | 6.6 | 223.1 | 6.3 | 192.9 |
| 11:15 | 152.7 | 1.8 | 178.8 | 3.7 | 220.2 | 5.0 | 211.2 | 5.6 | 190.8 |
| 11:30 | 156.4 | 2.1 | 172.3 | 3.6 | 212.7 | 4.0 | 212.6 | 5.3 | 182.2 |
| 11:45 | 161.0 | 2.8 | 174.8 | 3.2 | 208.8 | 4.5 | 207.5 | 5.4 | 178.3 |
| 12:00 | 164.0 | 3.2 | 177.5 | 3.1 | 213.8 | 5.3 | 204.5 | 5.2 | 175.2 |
| 12:15 | 173.2 | 2.9 | 183.0 | 3.2 | 220.1 | 5.2 | 214.7 | 4.8 | 180.9 |
| 12:30 | 178.2 | 2.0 | 187.6 | 3.2 | 225.2 | 4.7 | 221.6 | 5.0 | 180.2 |

Daily Summary Report

Site: ORNL Sodar

12/25/2019

Interval: 015m

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 00:00 | | | | |
| 00:15 | | | | |
| 00:30 | | | | |
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| 09:00 | | | | |
| 09:15 | | | | |
| 09:30 | | | | |
| 09:45 | | | | |
| 10:00 | 14.4 | 207.8 | | |
| 10:15 | 14.0 | 207.0 | | |
| 10:30 | 13.0 | 206.0 | | |
| 10:45 | 12.0 | 205.0 | | |
| 11:00 | 11.7 | 204.1 | | |
| 11:15 | 11.4 | 199.1 | | |
| 11:30 | 9.3 | 187.5 | | |
| 11:45 | 8.7 | 185.5 | | |
| 12:00 | 8.5 | 187.2 | | |
| 12:15 | 8.1 | 188.5 | | |
| 12:30 | 8.0 | 191.7 | | |

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 12:45 | 7.9 | 196.2 | | |
| 13:00 | 8.1 | 195.6 | | |
| 13:15 | 9.3 | 192.2 | | |
| 13:30 | 9.5 | 195.0 | | |
| 13:45 | 10.0 | 199.9 | | |
| 14:00 | 9.7 | 199.0 | | |
| 14:15 | 10.2 | 198.2 | | |
| 14:30 | 10.5 | 208.0 | | |
| 14:45 | 10.9 | 215.4 | 10.1 | 215.0 |
| 15:00 | 11.3 | 218.3 | 11.5 | 215.5 |
| 15:15 | 11.6 | 218.7 | 12.9 | 220.6 |
| 15:30 | 11.3 | 221.8 | 13.6 | 225.1 |
| 15:45 | 12.1 | 224.4 | 14.1 | 224.9 |
| 16:00 | 11.0 | 230.0 | | |
| 16:15 | 11.0 | 238.0 | | |
| 16:30 | 11.5 | 244.0 | | |
| 16:45 | 11.2 | 238.0 | | |
| 17:00 | 9.5 | 248.0 | | |
| 17:15 | 7.7 | 258.0 | | |
| 17:30 | 6.7 | 257.2 | | |
| 17:45 | 6.2 | 245.1 | | |
| 18:00 | 6.3 | 242.8 | | |
| 18:15 | 6.3 | 238.0 | | |
| 18:30 | 6.3 | 234.0 | | |
| 18:45 | 6.2 | 229.9 | | |
| 19:00 | 5.3 | 224.1 | | |
| 19:15 | 5.5 | 221.4 | | |
| 19:30 | 5.4 | 220.4 | | |
| 19:45 | 5.4 | 226.3 | | |
| 20:00 | 6.9 | 222.0 | | |
| 20:15 | 6.9 | 218.2 | | |
| 20:30 | 7.7 | 222.9 | | |
| 20:45 | 8.0 | 230.0 | | |
| 21:00 | 8.5 | 245.0 | | |
| 21:15 | 9.0 | 260.0 | | |
| 21:30 | 9.7 | 274.3 | | |
| 21:45 | 10.2 | 274.3 | | |
| 22:00 | | | | |
| 22:15 | | | | |
| 22:30 | | | | |
| 22:45 | | | | |
| 23:00 | | | | |
| 23:15 | | | | |
| 23:30 | | | | |
| 23:45 | | | | |
| Avg | 9.2 | 220.0 | 12.4 | 220.0 |
| Max | 14.4 | 274.3 | 14.1 | 225.1 |
| Max Time | 10:00 | 21:45 | 15:45 | 15:30 |
| Min | 5.3 | 185.5 | 10.1 | 215.0 |
| Count | 48 | 48 | 5 | 5 |
| Total | | | | |