

Daily Summary Report

Site: ORNL Sodar

12/27/2019

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 | .6 | 125.0 | .9 | 269.0 | 1.1 | 255.0 | 1.8 | 248.0 | .4 |
| 00:15 | .1 | 149.2 | 1.2 | 274.3 | 1.2 | 266.0 | 2.2 | 262.3 | .5 |
| 00:30 | .4 | 261.8 | 1.9 | 270.0 | 1.9 | 265.9 | 2.5 | 260.4 | .5 |
| 00:45 | .8 | 257.2 | 2.6 | 270.3 | 2.4 | 269.3 | 1.7 | 268.6 | .3 |
| 01:00 | 1.4 | 261.0 | 2.5 | 274.3 | 3.0 | 272.4 | 2.7 | 272.6 | 1.5 |
| 01:15 | 1.3 | 261.0 | 2.3 | 280.0 | 3.2 | 276.6 | 3.0 | 273.6 | 2.6 |
| 01:30 | 1.4 | 257.8 | 1.8 | 274.2 | 3.0 | 279.1 | 3.1 | 275.0 | 3.9 |
| 01:45 | 1.9 | 264.5 | 1.3 | 253.1 | 2.6 | 274.6 | 3.6 | 269.7 | 5.3 |
| 02:00 | 1.9 | 262.3 | 1.5 | 245.6 | 2.7 | 263.4 | 4.4 | 258.0 | 6.0 |
| 02:15 | 2.9 | 265.4 | 3.2 | 255.9 | 3.2 | 256.4 | 5.2 | 251.9 | 7.0 |
| 02:30 | 2.9 | 263.9 | 2.3 | 250.0 | 3.4 | 255.2 | 5.5 | 253.0 | 7.4 |
| 02:45 | 1.8 | 262.5 | 1.3 | 245.4 | 2.9 | 257.8 | 5.3 | 254.7 | 7.2 |
| 03:00 | .7 | 278.1 | .2 | 203.3 | 2.2 | 257.3 | 4.2 | 253.0 | 6.3 |
| 03:15 | .2 | 283.1 | .9 | 131.5 | 1.5 | 240.1 | 3.0 | 245.6 | 5.1 |
| 03:30 | .1 | 335.2 | 1.0 | 175.3 | 1.3 | 218.5 | 2.1 | 245.1 | 3.8 |
| 03:45 | .2 | 289.4 | 1.3 | 181.8 | 1.4 | 217.2 | 1.8 | 254.3 | 3.0 |
| 04:00 | .1 | 206.1 | 1.9 | 183.9 | 1.3 | 215.7 | 1.6 | 244.5 | 3.1 |
| 04:15 | .3 | 102.9 | 1.8 | 184.2 | 1.1 | 206.4 | 1.6 | 227.7 | 3.6 |
| 04:30 | .8 | 105.7 | 1.2 | 188.1 | 1.0 | 208.7 | 2.2 | 226.2 | 4.4 |
| 04:45 | .9 | 94.3 | .9 | 183.8 | 1.2 | 220.9 | 2.8 | 227.2 | 4.7 |
| 05:00 | .8 | 72.9 | .8 | 184.9 | 1.2 | 229.6 | 2.6 | 228.3 | 3.9 |
| 05:15 | 1.0 | 68.0 | .7 | 186.1 | .9 | 230.9 | 1.8 | 231.2 | 3.1 |
| 05:30 | 1.1 | 69.6 | .5 | 193.3 | .4 | 246.2 | 1.1 | 227.5 | 2.3 |
| 05:45 | 1.1 | 87.0 | .2 | 248.6 | .5 | 270.6 | .7 | 238.3 | 1.4 |
| 06:00 | 1.4 | 93.2 | .3 | 233.3 | .5 | 265.9 | .2 | 241.6 | 1.6 |
| 06:15 | 1.6 | 90.2 | .4 | 217.1 | .3 | 259.6 | .2 | 199.3 | 1.9 |
| 06:30 | .9 | 90.8 | .4 | 227.5 | .4 | 251.9 | .6 | 262.1 | 2.3 |
| 06:45 | .3 | 107.1 | .4 | 216.3 | .8 | 255.6 | 1.6 | 264.9 | 3.5 |
| 07:00 | .2 | 202.2 | .7 | 204.2 | 1.0 | 253.0 | 2.0 | 261.0 | 4.0 |
| 07:15 | .2 | 196.4 | .8 | 206.5 | .9 | 254.8 | 1.7 | 261.1 | 3.5 |
| 07:30 | .4 | 201.0 | .6 | 206.5 | .8 | 258.2 | 1.5 | 262.0 | 3.0 |
| 07:45 | .6 | 220.7 | .8 | 212.2 | .8 | 250.8 | 1.5 | 252.8 | 3.0 |
| 08:00 | .5 | 227.5 | 1.2 | 210.3 | 1.0 | 248.6 | 1.6 | 249.9 | 3.3 |
| 08:15 | .3 | 196.2 | 1.3 | 202.8 | 1.1 | 252.5 | 1.6 | 254.9 | 2.1 |
| 08:30 | .1 | 31.6 | 1.4 | 190.7 | .8 | 252.0 | 1.4 | 253.3 | 1.1 |
| 08:45 | .5 | 39.6 | 1.5 | 189.4 | .6 | 249.9 | 1.1 | 256.7 | 1.0 |
| 09:00 | .8 | 67.6 | 1.4 | 199.1 | .6 | 247.9 | .8 | 254.2 | .2 |
| 09:15 | .4 | 82.2 | 1.2 | 205.3 | .5 | 244.7 | .8 | 248.8 | .1 |
| 09:30 | .1 | 258.7 | 1.5 | 200.6 | .7 | 242.3 | .8 | 255.1 | .4 |
| 09:45 | .1 | 241.0 | 1.5 | 195.5 | .8 | 235.5 | .7 | 264.6 | .8 |
| 10:00 | .1 | 59.0 | 1.1 | 187.8 | .5 | 220.5 | .7 | 277.2 | 1.3 |
| 10:15 | .1 | 96.4 | 1.2 | 179.6 | .8 | 196.7 | .7 | 241.3 | 1.1 |
| 10:30 | .3 | 131.1 | 1.4 | 176.2 | 1.2 | 191.1 | .9 | 222.4 | .8 |
| 10:45 | .3 | 100.9 | 1.3 | 174.5 | 1.2 | 195.2 | 1.0 | 229.7 | 1.3 |
| 11:00 | .4 | 94.2 | 1.1 | 176.7 | 1.2 | 195.8 | 1.2 | 227.4 | 1.5 |
| 11:15 | .3 | 139.1 | 1.0 | 179.7 | 1.5 | 188.1 | 1.4 | 211.6 | 1.3 |
| 11:30 | .2 | 132.9 | .8 | 180.6 | 1.3 | 183.5 | 1.2 | 199.6 | 1.3 |
| 11:45 | .2 | 306.3 | .5 | 175.9 | .7 | 180.4 | .7 | 197.9 | 1.1 |
| 12:00 | .0 | 258.1 | .3 | 169.9 | .5 | 172.2 | .5 | 205.3 | 1.1 |
| 12:15 | .3 | 127.1 | .5 | 199.6 | .8 | 184.4 | .8 | 196.1 | 1.3 |
| 12:30 | .4 | 155.6 | .8 | 174.5 | .9 | 193.8 | 1.0 | 206.6 | 1.4 |

Daily Summary Report

Site: ORNL Sodar

12/27/2019

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 | 282.0 | .2 | 250.0 | .4 | 210.0 | .8 | 310.0 | 1.4 | 300.0 |
| 00:15 | 278.6 | .1 | 269.6 | .2 | 203.9 | 1.2 | 280.0 | 1.3 | 328.0 |
| 00:30 | 268.2 | .4 | 240.7 | .5 | 207.9 | 1.6 | 258.1 | 2.0 | 315.0 |
| 00:45 | 296.5 | .6 | 231.5 | 1.0 | 219.9 | 3.0 | 260.0 | 2.5 | 300.0 |
| 01:00 | 276.1 | .8 | 255.3 | 2.0 | 259.0 | 4.8 | 263.4 | 3.1 | 279.9 |
| 01:15 | 267.8 | .9 | 265.1 | 1.5 | 268.0 | 2.5 | 271.7 | 3.4 | 265.0 |
| 01:30 | 262.9 | 5.6 | 261.2 | 6.0 | 263.0 | 6.1 | 268.5 | 3.7 | 252.6 |
| 01:45 | 261.1 | 7.4 | 257.5 | 8.5 | 259.3 | 7.7 | 262.9 | 5.0 | 264.9 |
| 02:00 | 253.7 | 7.8 | 250.3 | 11.0 | 234.6 | 7.6 | 247.3 | 7.0 | 274.8 |
| 02:15 | 248.0 | 8.4 | 243.9 | 12.4 | 228.3 | 8.2 | 235.0 | 8.6 | 272.3 |
| 02:30 | 247.3 | 8.9 | 242.2 | 13.8 | 226.1 | 10.5 | 219.2 | 8.4 | 272.0 |
| 02:45 | 248.3 | 9.0 | 242.4 | 12.9 | 229.6 | 13.0 | 230.0 | 8.2 | 272.0 |
| 03:00 | 251.0 | 8.0 | 247.5 | 10.5 | 235.1 | 12.0 | 240.0 | 8.0 | 272.0 |
| 03:15 | 249.4 | 6.8 | 252.2 | 8.0 | 239.9 | 9.0 | 250.0 | 8.0 | 272.0 |
| 03:30 | 249.6 | 5.8 | 249.7 | 7.3 | 241.0 | 8.0 | 260.0 | 7.9 | 273.0 |
| 03:45 | 255.7 | 5.0 | 249.6 | 7.9 | 244.7 | 6.3 | 269.8 | 7.8 | 272.0 |
| 04:00 | 250.0 | 4.9 | 244.3 | 7.9 | 242.7 | 7.2 | 264.9 | 7.6 | 272.2 |
| 04:15 | 239.9 | 5.1 | 238.0 | 6.7 | 232.3 | 5.6 | 249.1 | 5.9 | 268.2 |
| 04:30 | 235.4 | 5.2 | 233.1 | 5.5 | 210.4 | 6.1 | 208.4 | 4.5 | 261.0 |
| 04:45 | 232.1 | 5.3 | 225.5 | 5.8 | 202.6 | 5.5 | 209.4 | | |
| 05:00 | 232.6 | 4.9 | 224.9 | 6.1 | 196.0 | 5.3 | 205.7 | | |
| 05:15 | 239.3 | 3.8 | 230.8 | 5.5 | 193.1 | 5.1 | 198.3 | | |
| 05:30 | 245.8 | 3.3 | 241.2 | 4.7 | 193.7 | 5.8 | 190.8 | | |
| 05:45 | 251.3 | 3.6 | 240.2 | 4.8 | 196.2 | 6.3 | 189.3 | | |
| 06:00 | 261.7 | 3.5 | 236.9 | 5.0 | 201.5 | 6.7 | 197.0 | | |
| 06:15 | 264.5 | 3.1 | 245.8 | 4.6 | 202.2 | 6.3 | 202.7 | | |
| 06:30 | 261.2 | 3.4 | 254.3 | 4.3 | 211.3 | 3.5 | 226.2 | | |
| 06:45 | 255.2 | 4.8 | 253.4 | 5.2 | 221.1 | 7.3 | 215.1 | | |
| 07:00 | 251.2 | 4.5 | 252.1 | 5.2 | 220.4 | 7.2 | 213.0 | | |
| 07:15 | 248.4 | 3.3 | 249.5 | 4.9 | 219.9 | 6.6 | 214.4 | | |
| 07:30 | 244.9 | 2.8 | 243.4 | 4.6 | 221.6 | 5.9 | 221.3 | | |
| 07:45 | 245.8 | 2.3 | 253.6 | 4.3 | 221.0 | 5.7 | 220.6 | | |
| 08:00 | 250.2 | 1.3 | 270.1 | 3.5 | 227.2 | 5.8 | 217.8 | | |
| 08:15 | 254.5 | .6 | 258.7 | 3.7 | 226.5 | 5.9 | 208.5 | | |
| 08:30 | 253.4 | .8 | 245.7 | 4.4 | 213.1 | 6.3 | 205.3 | | |
| 08:45 | 264.3 | .4 | 242.6 | 4.1 | 208.9 | 6.5 | 213.0 | | |
| 09:00 | 277.1 | .3 | 245.1 | 3.2 | 215.9 | 6.2 | 204.5 | | |
| 09:15 | 206.4 | .7 | 239.5 | 3.4 | 219.9 | 6.7 | 198.6 | | |
| 09:30 | 263.6 | 1.8 | 248.8 | 4.4 | 216.1 | 8.0 | 202.8 | 14.2 | 211.6 |
| 09:45 | 266.2 | 2.5 | 261.1 | 4.4 | 217.0 | 8.7 | 201.7 | 13.7 | 217.1 |
| 10:00 | 264.1 | 1.8 | 263.8 | 3.8 | 218.5 | 10.0 | 197.0 | 12.2 | 213.6 |
| 10:15 | 270.7 | 1.2 | 263.0 | 3.8 | 216.5 | 11.3 | 195.3 | 13.0 | 209.4 |
| 10:30 | 277.3 | 1.5 | 262.6 | 4.3 | 214.6 | 9.2 | 198.1 | 12.1 | 208.7 |
| 10:45 | 270.5 | 2.2 | 261.9 | 4.6 | 213.5 | 7.4 | 208.4 | 11.0 | 211.8 |
| 11:00 | 265.7 | 2.1 | 267.8 | 4.0 | 219.1 | 6.7 | 214.8 | 10.0 | 218.0 |
| 11:15 | 244.6 | 2.1 | 245.2 | 4.1 | 218.5 | 7.1 | 211.6 | 9.0 | 225.9 |
| 11:30 | 238.8 | 2.0 | 242.8 | 3.8 | 216.8 | 7.5 | 207.1 | 8.7 | 222.3 |
| 11:45 | 261.4 | 2.0 | 263.2 | 3.5 | 219.8 | 7.1 | 207.5 | 9.0 | 220.9 |
| 12:00 | 263.5 | 2.1 | 256.7 | 4.0 | 216.2 | 7.2 | 209.3 | 9.0 | 223.0 |
| 12:15 | 245.3 | 2.3 | 247.3 | 4.6 | 212.0 | 7.4 | 209.3 | 9.5 | 222.7 |
| 12:30 | 245.0 | 2.1 | 244.7 | 4.3 | 207.5 | 7.4 | 206.2 | 9.8 | 221.4 |

Daily Summary Report

Site: ORNL Sodar

12/27/2019

Interval: 015m

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 00:00 | | | | |
| 00:15 | | | | |
| 00:30 | | | | |
| 00:45 | | | | |
| 01:00 | | | | |
| 01:15 | | | | |
| 01:30 | | | | |
| 01:45 | | | | |
| 02:00 | 6.1 | 282.4 | | |
| 02:15 | 7.3 | 279.2 | | |
| 02:30 | 7.4 | 279.0 | | |
| 02:45 | 7.5 | 279.0 | | |
| 03:00 | 7.5 | 279.0 | | |
| 03:15 | 7.6 | 279.0 | | |
| 03:30 | 7.7 | 280.0 | | |
| 03:45 | 7.7 | 280.0 | | |
| 04:00 | 7.8 | 280.0 | | |
| 04:15 | 7.8 | 280.0 | | |
| 04:30 | 7.8 | 280.1 | | |
| 04:45 | | | | |
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| 08:30 | | | | |
| 08:45 | | | | |
| 09:00 | | | | |
| 09:15 | | | | |
| 09:30 | 14.5 | 217.1 | 13.2 | 217.6 |
| 09:45 | 16.6 | 221.4 | 15.0 | 221.0 |
| 10:00 | 16.9 | 213.2 | 17.8 | 225.1 |
| 10:15 | 16.3 | 214.2 | 17.2 | 220.1 |
| 10:30 | 15.0 | 215.0 | 16.2 | 215.1 |
| 10:45 | 13.5 | 216.0 | 17.1 | 220.0 |
| 11:00 | 15.2 | 218.0 | | |
| 11:15 | 15.0 | 219.0 | | |
| 11:30 | 14.8 | 220.0 | | |
| 11:45 | 14.4 | 221.0 | | |
| 12:00 | 14.0 | 222.0 | | |
| 12:15 | 13.7 | 223.8 | | |
| 12:30 | 13.6 | 222.0 | | |

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 12:45 | 13.5 | 221.0 | | |
| 13:00 | 13.5 | 220.2 | | |
| 13:15 | 12.0 | 221.9 | | |
| 13:30 | 12.4 | 218.5 | | |
| 13:45 | 12.8 | 219.0 | | |
| 14:00 | 13.1 | 219.0 | | |
| 14:15 | 13.4 | 219.1 | | |
| 14:30 | 14.4 | 225.3 | | |
| 14:45 | | | | |
| 15:00 | | | | |
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| 22:45 | | | | |
| 23:00 | | | | |
| 23:15 | | | | |
| 23:30 | | | | |
| 23:45 | | | | |
| Avg | 11.9 | 239.0 | 16.1 | 220.0 |
| Max | 16.9 | 282.4 | 17.8 | 225.1 |
| Max Time | 10:00 | 02:00 | 10:00 | 10:00 |
| Min | 6.1 | 213.2 | 13.2 | 215.1 |
| Count | 32 | 32 | 6 | 6 |
| Total | | | | |