

Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

4/20/2020

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 | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC |
| 00:00 | .7 | 32.0 | .7 | 50.0 | .8 | | | | |
| 00:15 | .5 | 38.4 | .9 | 86.8 | .7 | 95.9 | .3 | 132.8 | .8 |
| 00:30 | 1.0 | 67.2 | 2.6 | 69.8 | 3.1 | 65.8 | 2.8 | 61.0 | 2.2 |
| 00:45 | 1.6 | 72.1 | 3.0 | 61.0 | 3.5 | 58.6 | 3.5 | 54.0 | 2.7 |
| 01:00 | 1.3 | 66.9 | 2.5 | 58.6 | 3.1 | 54.9 | 3.9 | 50.1 | 4.3 |
| 01:15 | 1.5 | 88.0 | 2.0 | 60.7 | 3.2 | 58.4 | 4.7 | 52.4 | 5.9 |
| 01:30 | 1.4 | 77.4 | 2.2 | 47.2 | 3.7 | 54.5 | 5.3 | 49.4 | 7.0 |
| 01:45 | 1.0 | 40.1 | 2.1 | 55.5 | 4.2 | 56.6 | 5.5 | 49.9 | 7.5 |
| 02:00 | .6 | 52.5 | 2.9 | 83.8 | 5.0 | 65.7 | 6.0 | 56.9 | 7.8 |
| 02:15 | .6 | 83.5 | 5.2 | 90.5 | 6.3 | 69.2 | 6.8 | 63.0 | 7.7 |
| 02:30 | 1.0 | 86.6 | 3.3 | 92.0 | 7.4 | 75.6 | 8.1 | 66.8 | 8.5 |
| 02:45 | 2.5 | 64.7 | 3.3 | 70.9 | 6.1 | 60.7 | 7.8 | 53.1 | 9.5 |
| 03:00 | 1.5 | 54.4 | 4.0 | 60.7 | 5.8 | 46.5 | 7.4 | 45.8 | 9.3 |
| 03:15 | 1.1 | 30.1 | 3.5 | 54.4 | 5.9 | 50.3 | 7.7 | 50.6 | 9.2 |
| 03:30 | 1.1 | 59.7 | 3.3 | 61.9 | 5.9 | 61.6 | 7.0 | 55.2 | 8.9 |
| 03:45 | 1.1 | 57.0 | 2.7 | 59.0 | 5.2 | 60.5 | 6.3 | 54.8 | 8.2 |
| 04:00 | 1.1 | 54.7 | 2.9 | 55.0 | 5.0 | 53.9 | 6.6 | 50.4 | 8.2 |
| 04:15 | 1.1 | 37.8 | 3.2 | 52.1 | 5.1 | 42.1 | 6.9 | 41.2 | 9.2 |
| 04:30 | 1.9 | 13.6 | 2.8 | 40.2 | 4.8 | 30.8 | 6.6 | 32.1 | 9.1 |
| 04:45 | 2.0 | 18.0 | 2.9 | 37.1 | 4.9 | 29.8 | 7.1 | 29.8 | 9.3 |
| 05:00 | 2.1 | 24.0 | 3.4 | 34.4 | 5.8 | 28.3 | 7.8 | 28.8 | 9.7 |
| 05:15 | 2.0 | 29.8 | 3.7 | 33.2 | 5.8 | 29.6 | 7.1 | 29.6 | 9.1 |
| 05:30 | 2.2 | 53.1 | 3.9 | 45.8 | 5.7 | 40.7 | 6.9 | 37.1 | 9.3 |
| 05:45 | 4.3 | 50.5 | 4.9 | 44.0 | 6.3 | 44.2 | 7.9 | 40.3 | 9.9 |
| 06:00 | 3.5 | 13.3 | 4.5 | 39.2 | 6.1 | 39.8 | 7.7 | 38.1 | 9.2 |
| 06:15 | 2.2 | 11.0 | 2.8 | 40.9 | 4.9 | 34.6 | 6.5 | 35.3 | 8.2 |
| 06:30 | 1.3 | 357.6 | 2.1 | 19.3 | 4.1 | 21.4 | 5.4 | 24.4 | 7.3 |
| 06:45 | .5 | 319.0 | 1.4 | 356.8 | 2.9 | 18.5 | 4.1 | 20.9 | 5.7 |
| 07:00 | .8 | 335.0 | 1.6 | 7.9 | 2.7 | 27.7 | 4.0 | 29.0 | 5.8 |
| 07:15 | 1.1 | 18.2 | 2.1 | 17.0 | 3.4 | 28.9 | 4.5 | 32.8 | 5.9 |
| 07:30 | .8 | 180.4 | 1.1 | 8.0 | 2.1 | 21.9 | 2.6 | 28.3 | 3.4 |
| 07:45 | .4 | 177.7 | .5 | 296.4 | .7 | 356.1 | .6 | 355.3 | 1.5 |
| 08:00 | .3 | 146.6 | .5 | 259.6 | .4 | 357.4 | .4 | 337.1 | 1.1 |
| 08:15 | .2 | 78.0 | .6 | 260.6 | .7 | 309.4 | 1.2 | 332.5 | 1.9 |
| 08:30 | .2 | 348.5 | 1.0 | 275.7 | 1.4 | 309.6 | 2.1 | 336.7 | 2.8 |
| 08:45 | .1 | 353.2 | .8 | 316.3 | 1.4 | 345.0 | 2.1 | 357.7 | 2.7 |
| 09:00 | .2 | 344.9 | .7 | 23.8 | 1.5 | 22.6 | 2.1 | 12.3 | 2.6 |
| 09:15 | .3 | 336.5 | .3 | 42.7 | 1.3 | 26.9 | 1.9 | 8.5 | 2.4 |
| 09:30 | .2 | 312.1 | .1 | 296.5 | .6 | 7.1 | 1.2 | 5.4 | 2.1 |
| 09:45 | .2 | 313.7 | .2 | 347.8 | .5 | 350.4 | .9 | 5.5 | 1.9 |
| 10:00 | .5 | 357.2 | .5 | 356.9 | .9 | 359.4 | 1.4 | 357.6 | 2.0 |
| 10:15 | .7 | 7.4 | .8 | 349.6 | 1.2 | 358.2 | 1.6 | 350.5 | 1.8 |
| 10:30 | .9 | 8.4 | 1.2 | 25.0 | 1.5 | 27.3 | 1.6 | 16.4 | 1.7 |
| 10:45 | .6 | 9.7 | 1.3 | 48.4 | 1.7 | 47.5 | 1.7 | 40.4 | 1.6 |
| 11:00 | .2 | 63.4 | .8 | 66.7 | 1.7 | 61.3 | 2.1 | 61.0 | 1.6 |
| 11:15 | .3 | 47.2 | .9 | 68.5 | 2.2 | 56.8 | 2.4 | 55.0 | 1.8 |
| 11:30 | .4 | 167.1 | 1.3 | 65.1 | 2.2 | 50.5 | 2.1 | 41.4 | 1.2 |
| 11:45 | .5 | 163.4 | .9 | 65.1 | 1.0 | 44.9 | 1.1 | 26.4 | .9 |
| 12:00 | .3 | 359.6 | 1.0 | 306.9 | 1.4 | 319.4 | 1.9 | 338.2 | 1.6 |
| 12:15 | .6 | 357.4 | 2.1 | 334.6 | 2.8 | 334.8 | 3.0 | 337.2 | 2.5 |
| 12:30 | .9 | 43.8 | 2.4 | 12.0 | 2.9 | 359.8 | 2.5 | 353.9 | 2.5 |

Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

4/20/2020

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 | | 1.0 | 265.0 | | | | | | |
| 00:15 | 175.2 | .6 | 270.5 | | | | | | |
| 00:30 | 79.3 | .8 | 20.7 | .6 | 20.5 | | | | |
| 00:45 | 61.2 | 1.5 | 69.1 | .3 | 344.3 | | | | |
| 01:00 | 50.2 | 3.3 | 54.8 | 1.1 | 30.1 | | | | |
| 01:15 | 46.4 | 4.8 | 46.9 | 3.0 | 48.3 | | | | |
| 01:30 | 42.3 | 5.8 | 46.0 | 4.4 | 50.4 | | | | |
| 01:45 | 42.2 | 6.8 | 43.0 | 5.6 | 41.3 | | | | |
| 02:00 | 44.9 | 7.1 | 44.4 | 6.6 | 46.0 | | | | |
| 02:15 | 52.5 | 7.1 | 49.0 | 8.0 | 53.0 | | | | |
| 02:30 | 55.8 | 8.3 | 51.3 | 9.0 | 59.5 | | | | |
| 02:45 | 49.1 | 9.1 | 47.8 | 8.0 | 54.4 | 7.5 | 56.2 | | |
| 03:00 | 45.0 | 10.5 | 43.3 | 8.9 | 43.5 | 6.3 | 53.2 | | |
| 03:15 | 44.3 | 11.4 | 42.5 | 9.7 | 42.0 | 7.9 | 47.9 | | |
| 03:30 | 46.9 | 11.0 | 46.0 | 9.5 | 42.9 | 8.1 | 46.8 | | |
| 03:45 | 48.2 | 10.7 | 46.9 | 9.9 | 41.1 | 7.8 | 47.2 | 7.6 | 55.7 |
| 04:00 | 43.3 | 11.1 | 43.2 | 11.5 | 40.3 | 9.0 | 45.8 | 7.4 | 50.2 |
| 04:15 | 34.4 | 11.6 | 38.9 | 12.3 | 43.0 | 11.8 | 41.6 | 10.5 | 44.1 |
| 04:30 | 28.9 | 11.4 | 32.3 | 11.7 | 43.5 | 12.4 | 36.5 | 11.5 | 35.0 |
| 04:45 | 27.3 | 11.7 | 27.9 | 10.6 | 40.0 | 12.4 | 33.9 | 12.4 | 27.9 |
| 05:00 | 25.1 | 11.4 | 23.2 | 10.5 | 28.1 | 11.3 | 26.6 | 11.5 | 23.3 |
| 05:15 | 26.4 | 10.4 | 24.3 | 10.3 | 22.9 | 9.3 | 17.6 | 11.2 | 32.0 |
| 05:30 | 33.1 | 10.0 | 31.4 | 9.5 | 30.0 | 9.5 | 27.0 | 11.0 | 40.0 |
| 05:45 | 36.3 | 10.9 | 35.1 | 10.3 | 40.0 | 9.7 | 43.0 | 10.8 | 43.3 |
| 06:00 | 34.1 | 12.3 | 32.6 | 11.6 | 44.3 | 11.1 | 41.4 | 11.1 | 38.8 |
| 06:15 | 29.3 | 11.4 | 28.1 | 13.4 | 36.0 | 13.2 | 39.0 | 13.0 | 42.1 |
| 06:30 | 21.8 | 9.1 | 20.2 | 12.1 | 23.8 | 13.7 | 26.6 | 14.0 | 35.0 |
| 06:45 | 17.2 | 7.2 | 15.9 | 10.2 | 18.0 | 11.6 | 17.4 | 12.5 | 25.0 |
| 07:00 | 23.1 | 7.4 | 23.8 | 10.8 | 24.5 | 10.5 | 23.0 | 11.5 | 21.0 |
| 07:15 | 25.4 | 7.3 | 21.4 | 10.9 | 15.8 | 9.4 | 15.0 | 10.5 | 17.0 |
| 07:30 | 15.8 | 4.7 | 5.7 | 5.8 | 359.6 | 8.2 | 1.8 | 9.5 | 12.0 |
| 07:45 | 347.3 | 2.8 | 351.0 | 5.1 | 358.3 | 6.9 | .4 | 8.6 | 7.4 |
| 08:00 | 334.8 | 2.4 | 350.8 | 5.0 | 358.9 | 6.0 | 1.6 | 8.4 | 10.7 |
| 08:15 | 345.0 | 3.4 | 356.9 | 6.5 | 358.9 | 6.9 | 2.7 | 9.2 | 12.3 |
| 08:30 | 351.5 | 4.2 | 359.4 | 7.5 | 2.4 | 8.1 | 6.0 | 9.8 | 6.9 |
| 08:45 | 4.5 | 4.0 | 8.3 | 7.5 | 8.0 | 8.4 | 12.3 | 12.2 | 17.7 |
| 09:00 | 9.5 | 4.0 | 14.7 | 7.3 | 9.0 | 10.2 | 11.0 | 11.3 | 16.5 |
| 09:15 | 2.2 | 3.7 | 8.8 | 7.2 | 5.0 | 11.6 | 4.9 | 11.7 | 11.8 |
| 09:30 | 1.3 | 3.5 | 6.5 | 6.8 | 4.9 | 10.3 | 3.0 | 11.2 | 8.0 |
| 09:45 | 7.4 | 3.7 | 7.3 | 6.1 | 6.4 | 9.3 | 4.6 | 10.5 | 3.8 |
| 10:00 | 357.1 | 3.5 | .2 | 5.6 | 5.2 | 8.5 | 3.8 | 9.8 | 4.9 |
| 10:15 | 348.5 | 3.1 | 357.2 | 5.9 | 3.2 | 8.9 | 2.3 | 10.0 | 6.2 |
| 10:30 | 5.4 | 2.9 | 3.4 | 6.0 | 4.0 | 9.3 | 2.5 | 10.7 | 6.5 |
| 10:45 | 16.8 | 2.2 | 8.5 | 5.0 | 3.8 | 8.1 | 357.7 | 8.8 | 359.5 |
| 11:00 | 56.9 | 1.8 | 52.5 | 3.9 | 20.4 | 7.1 | .0 | 8.5 | 348.6 |
| 11:15 | 75.8 | 2.0 | 64.8 | 3.6 | 44.2 | 6.5 | 359.0 | 8.3 | 353.0 |
| 11:30 | 48.0 | 1.6 | 25.9 | 3.2 | 18.5 | 4.0 | 358.0 | 8.0 | 358.0 |
| 11:45 | 7.5 | 1.4 | 14.6 | 2.2 | 353.1 | 2.8 | 356.3 | 6.0 | 359.0 |
| 12:00 | 337.3 | 2.0 | 347.0 | 2.6 | 344.9 | 5.0 | 359.0 | 6.5 | 1.0 |
| 12:15 | 354.5 | 2.8 | 356.6 | 4.3 | 2.0 | 7.9 | .5 | 7.0 | 2.8 |
| 12:30 | 5.2 | 1.7 | 8.5 | 2.1 | 338.0 | 3.3 | 323.8 | 7.7 | 345.0 |

Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

4/20/2020

Interval: 015m

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEGC | M/SEC | DEG |
| 00:00 | | | | |
| 00:15 | | | | |
| 00:30 | | | | |
| 00:45 | | | | |
| 01:00 | | | | |
| 01:15 | | | | |
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| 08:30 | | | | |
| 08:45 | | | | |
| 09:00 | | | | |
| 09:15 | | | | |
| 09:30 | 11.1 | 20.7 | 12.7 | 33.4 |
| 09:45 | 12.0 | 27.8 | | |
| 10:00 | 11.3 | 15.0 | | |
| 10:15 | 10.4 | 6.9 | | |
| 10:30 | 10.5 | 6.7 | | |
| 10:45 | 9.6 | 11.9 | | |
| 11:00 | | | | |
| 11:15 | | | | |
| 11:30 | | | | |
| 11:45 | | | | |
| 12:00 | | | | |
| 12:15 | | | | |
| 12:30 | | | | |

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEGC | M/SEC | DEG |
| 12:45 | | | | |
| 13:00 | | | | |
| 13:15 | | | | |
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| 23:00 | | | | |
| 23:15 | | | | |
| 23:30 | | | | |
| 23:45 | | | | |
| Avg | 10.8 | 14.8 | 12.7 | 33.4 |
| Max | 12.0 | 27.8 | 12.7 | 33.4 |
| Max Time | 09:45 | 09:45 | 09:30 | 09:30 |
| Min | 9.6 | 6.7 | 12.7 | 33.4 |
| Count | 6 | 6 | 1 | 1 |
| Total | | | | |