

Daily Summary Report

Site: ORNL Sodar

10/22/2019

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 | .5 | 225.0 | 1.0 | 194.0 | 2.0 | 208.0 | 3.2 | 210.0 | 5.3 |
| 00:15 | .3 | 286.3 | .4 | 190.5 | 1.4 | 213.7 | 2.5 | 215.4 | 4.4 |
| 00:30 | .3 | 241.7 | .3 | 147.5 | .9 | 212.5 | 2.0 | 213.5 | 3.8 |
| 00:45 | .2 | 219.3 | .2 | 93.4 | .7 | 216.6 | 1.9 | 211.9 | 3.7 |
| 01:00 | .1 | 202.7 | .1 | 312.7 | 1.0 | 232.4 | 2.3 | 222.4 | 4.1 |
| 01:15 | .3 | 244.6 | .8 | 261.5 | 1.6 | 238.1 | 2.8 | 228.5 | 4.7 |
| 01:30 | .6 | 217.7 | .9 | 234.5 | 1.7 | 221.3 | 2.9 | 213.8 | 5.2 |
| 01:45 | 1.3 | 186.7 | 1.0 | 198.4 | 1.9 | 200.2 | 3.2 | 199.7 | 5.6 |
| 02:00 | .8 | 182.0 | .9 | 198.9 | 1.8 | 203.2 | 3.2 | 202.7 | 5.4 |
| 02:15 | .2 | 197.8 | .7 | 237.1 | 1.7 | 227.9 | 3.0 | 217.9 | 5.1 |
| 02:30 | .4 | 227.9 | .8 | 282.7 | 1.8 | 245.5 | 3.2 | 239.1 | 4.8 |
| 02:45 | .5 | 264.9 | .8 | 315.3 | 1.9 | 271.4 | 3.4 | 266.8 | 3.7 |
| 03:00 | 2.6 | 273.7 | 2.7 | 280.7 | 5.7 | 277.0 | 6.0 | 275.0 | 6.5 |
| 03:15 | 3.4 | 266.5 | 4.9 | 274.9 | 7.9 | 274.7 | 8.0 | 277.0 | 8.5 |
| 03:30 | .7 | 243.3 | .3 | 228.2 | 7.7 | 278.0 | 8.1 | 280.0 | 8.5 |
| 03:45 | .4 | 241.0 | .4 | 131.5 | 7.5 | 282.0 | 8.2 | 283.0 | 9.0 |
| 04:00 | 2.1 | 266.1 | 2.8 | 282.5 | 7.3 | 285.0 | 8.3 | 287.0 | 10.0 |
| 04:15 | 3.9 | 267.6 | 5.2 | 281.0 | 7.0 | 289.6 | 8.3 | 290.8 | 11.5 |
| 04:30 | 4.6 | 267.6 | 4.8 | 279.7 | 7.6 | 286.2 | 9.0 | 288.9 | 10.5 |
| 04:45 | | | 4.6 | 276.8 | 7.4 | 284.9 | 9.0 | 286.2 | 10.5 |
| 05:00 | | | 4.8 | 273.3 | 7.1 | 281.3 | 8.5 | 281.9 | 10.0 |
| 05:15 | | | 5.1 | 273.0 | 7.2 | 278.4 | 8.1 | 280.0 | 8.6 |
| 05:30 | | | 4.5 | 276.1 | 6.6 | 283.6 | 7.2 | 285.5 | 8.1 |
| 05:45 | | | 4.1 | 279.4 | 5.8 | 288.9 | 6.7 | 290.5 | 7.9 |
| 06:00 | | | 3.1 | 285.1 | 4.9 | 292.3 | 6.2 | 294.5 | 7.9 |
| 06:15 | .5 | 260.7 | 1.4 | 281.9 | 3.1 | 290.8 | 4.2 | 291.7 | 5.7 |
| 06:30 | .4 | 146.9 | .7 | 220.8 | 1.8 | 265.4 | 2.7 | 277.0 | 3.9 |
| 06:45 | .5 | 147.8 | 1.3 | 210.9 | 2.0 | 233.4 | 2.4 | 255.2 | 3.0 |
| 07:00 | .6 | 154.1 | 2.3 | 219.2 | 3.0 | 227.3 | 3.1 | 238.0 | 2.8 |
| 07:15 | .5 | 147.0 | 2.5 | 215.9 | 3.4 | 228.8 | 3.5 | 240.6 | 2.8 |
| 07:30 | .2 | 188.0 | 1.9 | 227.8 | 2.9 | 237.3 | 3.5 | 254.6 | 4.0 |
| 07:45 | .3 | 223.1 | 1.8 | 236.5 | 2.9 | 232.1 | 3.5 | 247.5 | 4.1 |
| 08:00 | .3 | 188.2 | 1.9 | 208.0 | 2.9 | 211.0 | 2.6 | 221.4 | 2.8 |
| 08:15 | 1.1 | 180.7 | 2.0 | 191.4 | 2.7 | 198.8 | 2.7 | 207.9 | 3.2 |
| 08:30 | 2.5 | 179.9 | 2.1 | 191.9 | 2.9 | 195.6 | 3.6 | 201.7 | 4.5 |
| 08:45 | 1.2 | 179.9 | 2.1 | 195.1 | 2.7 | 198.8 | 3.4 | 208.0 | 4.7 |
| 09:00 | .2 | 160.2 | 1.6 | 214.3 | 2.5 | 213.6 | 3.2 | 219.7 | 4.6 |
| 09:15 | .3 | 147.8 | .9 | 234.4 | 1.8 | 221.3 | 2.9 | 215.7 | 4.3 |
| 09:30 | .5 | 146.4 | .6 | 244.2 | 1.5 | 226.5 | 2.7 | 217.1 | 4.5 |
| 09:45 | .7 | 174.0 | .5 | 232.5 | 1.8 | 226.5 | 2.9 | 220.6 | 4.3 |
| 10:00 | .8 | 188.6 | .7 | 255.0 | 1.5 | 233.6 | 2.5 | 226.3 | 3.4 |
| 10:15 | .6 | 190.7 | 1.3 | 263.1 | 2.0 | 235.7 | 2.7 | 239.7 | 3.2 |
| 10:30 | .6 | 182.9 | 1.0 | 246.9 | 2.0 | 225.8 | 2.3 | 242.7 | 3.1 |
| 10:45 | .8 | 205.6 | 1.4 | 258.4 | 2.1 | 241.3 | 2.5 | 241.7 | 3.4 |
| 11:00 | 1.2 | 198.3 | 2.0 | 229.3 | 3.1 | 234.8 | 3.4 | 233.7 | 4.1 |
| 11:15 | 1.9 | 195.6 | 3.2 | 211.1 | 3.8 | 213.6 | 3.6 | 215.0 | 4.0 |
| 11:30 | 1.9 | 214.4 | 3.5 | 222.7 | 3.6 | 220.1 | 3.8 | 217.9 | 3.8 |
| 11:45 | 1.8 | 230.9 | 4.0 | 235.0 | 4.5 | 232.4 | 4.8 | 226.1 | 4.8 |
| 12:00 | 2.1 | 228.5 | 4.8 | 238.4 | 5.4 | 228.7 | 5.7 | 223.0 | 5.6 |
| 12:15 | 3.0 | 222.0 | 5.3 | 233.0 | 5.8 | 226.0 | 5.9 | 224.0 | 5.8 |
| 12:30 | 3.8 | 217.0 | 5.9 | 228.4 | 6.1 | 224.1 | 6.1 | 224.6 | 6.0 |

Daily Summary Report

Site: ORNL Sodar

10/22/2019

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 | 206.0 | 8.0 | 203.0 | 11.0 | 198.0 | 11.8 | 195.0 | 12.5 | 192.0 |
| 00:15 | 207.6 | 6.4 | 201.4 | 10.3 | 199.5 | 12.2 | 193.1 | 12.9 | 189.2 |
| 00:30 | 206.7 | 5.7 | 200.9 | 9.9 | 198.8 | 12.2 | 190.0 | 12.3 | 184.8 |
| 00:45 | 205.0 | 5.9 | 199.8 | 10.1 | 196.0 | 12.3 | 185.9 | 13.5 | 180.0 |
| 01:00 | 208.0 | 6.1 | 202.2 | 10.5 | 194.3 | 12.9 | 184.8 | 14.8 | 176.1 |
| 01:15 | 211.2 | 6.5 | 207.0 | 10.6 | 193.6 | 13.9 | 183.4 | 15.1 | 176.7 |
| 01:30 | 203.1 | 7.4 | 198.2 | 11.4 | 187.2 | 14.4 | 180.6 | 16.3 | 175.6 |
| 01:45 | 195.0 | 8.0 | 189.7 | 12.2 | 180.8 | 15.5 | 177.6 | 15.7 | 174.0 |
| 02:00 | 193.7 | 8.1 | 188.6 | 12.7 | 179.6 | 17.0 | 178.6 | | |
| 02:15 | 205.0 | 7.6 | 195.4 | 11.9 | 182.6 | 13.9 | 182.8 | | |
| 02:30 | 216.8 | 6.8 | 207.1 | 9.6 | 191.4 | 11.3 | 191.0 | | |
| 02:45 | 219.9 | 6.4 | 209.0 | 8.4 | 209.3 | 10.4 | 197.0 | | |
| 03:00 | 277.0 | 7.1 | 233.4 | 8.3 | 216.3 | 10.7 | 220.0 | | |
| 03:15 | 280.0 | 8.0 | 275.0 | 8.5 | 270.0 | | | | |
| 03:30 | 283.0 | 9.0 | 280.0 | 10.0 | 280.0 | | | | |
| 03:45 | 287.0 | 10.0 | 290.0 | 11.0 | 290.0 | | | | |
| 04:00 | 290.0 | 11.0 | 300.0 | 12.5 | 298.0 | | | | |
| 04:15 | 294.5 | 12.6 | 307.7 | 14.9 | 309.9 | 16.6 | 300.3 | | |
| 04:30 | 292.2 | 11.8 | 299.8 | 15.4 | 302.5 | 16.2 | 296.7 | 17.6 | 296.6 |
| 04:45 | 289.0 | 12.0 | 293.9 | 14.4 | 297.1 | 16.1 | 297.4 | 17.2 | 296.9 |
| 05:00 | 287.1 | 11.2 | 294.1 | 12.6 | 296.3 | 15.3 | 298.6 | 16.3 | 298.0 |
| 05:15 | 286.0 | 9.8 | 294.7 | 11.4 | 298.8 | 13.8 | 302.2 | 15.4 | 300.2 |
| 05:30 | 289.5 | 9.6 | 294.8 | 10.8 | 300.0 | 13.0 | 304.5 | 15.0 | 302.0 |
| 05:45 | 293.1 | 9.7 | 300.5 | 11.0 | 303.4 | 13.7 | 304.1 | 14.9 | 304.9 |
| 06:00 | 297.4 | 9.7 | 306.4 | 12.5 | 306.4 | 15.1 | 305.6 | 15.4 | 303.5 |
| 06:15 | 295.7 | 7.7 | 303.1 | 11.6 | 307.2 | 13.9 | 307.8 | 13.5 | 298.0 |
| 06:30 | 283.6 | 5.8 | 289.7 | 9.2 | 308.5 | 10.8 | 308.9 | 11.5 | 293.4 |
| 06:45 | 267.9 | 4.2 | 275.4 | 7.1 | 306.3 | 8.7 | 307.0 | | |
| 07:00 | 249.9 | 3.8 | 265.9 | 5.4 | 276.3 | 8.3 | 290.0 | | |
| 07:15 | 247.1 | 4.0 | 259.3 | 5.3 | 265.7 | 7.9 | 268.8 | | |
| 07:30 | 258.0 | 4.7 | 262.1 | 6.1 | 265.0 | 6.6 | 262.4 | | |
| 07:45 | 250.9 | 5.0 | 252.8 | 5.2 | 242.7 | 5.9 | 236.4 | | |
| 08:00 | 227.1 | 3.8 | 224.5 | 4.8 | 230.0 | 5.7 | 233.1 | | |
| 08:15 | 211.3 | 3.8 | 214.1 | 5.1 | 228.0 | 6.2 | 238.0 | | |
| 08:30 | 201.6 | 4.9 | 200.2 | 5.5 | 226.0 | 6.6 | 242.0 | | |
| 08:45 | 208.5 | 5.3 | 216.5 | 5.8 | 224.3 | 7.0 | 245.2 | | |
| 09:00 | 218.9 | 5.5 | 232.0 | 6.2 | 233.5 | 6.8 | 240.0 | | |
| 09:15 | 219.2 | 5.1 | 233.8 | 5.8 | 247.8 | 6.6 | 236.0 | | |
| 09:30 | 217.5 | 5.5 | 230.4 | 6.0 | 247.0 | 7.0 | 233.0 | | |
| 09:45 | 221.4 | 5.6 | 229.7 | 6.2 | 247.0 | 8.0 | 230.0 | | |
| 10:00 | 225.7 | 4.9 | 230.9 | 6.5 | 247.0 | 8.8 | 225.0 | | |
| 10:15 | 236.8 | 4.3 | 244.7 | 6.7 | 246.7 | 9.5 | 222.0 | | |
| 10:30 | 240.7 | 4.1 | 237.9 | 7.4 | 224.2 | 10.5 | 219.0 | | |
| 10:45 | 239.0 | 4.7 | 220.4 | 10.1 | 206.4 | 11.3 | 216.3 | 11.8 | 218.7 |
| 11:00 | 231.1 | 4.9 | 222.9 | 10.2 | 205.7 | 11.8 | 225.2 | 13.0 | 223.0 |
| 11:15 | 213.2 | 5.0 | 208.9 | 7.3 | 209.7 | 11.4 | 230.6 | 13.2 | 226.4 |
| 11:30 | 219.9 | 4.7 | 207.9 | 7.6 | 206.2 | 8.7 | 214.1 | 11.0 | 221.6 |
| 11:45 | 229.7 | 5.0 | 218.9 | 7.5 | 210.5 | 9.7 | 225.6 | 11.5 | 222.0 |
| 12:00 | 228.6 | 5.6 | 221.0 | 7.7 | 218.4 | 11.4 | 225.1 | 12.0 | 223.0 |
| 12:15 | 227.0 | 6.2 | 222.0 | 8.7 | 221.0 | 11.7 | 225.0 | 12.5 | 224.0 |
| 12:30 | 226.0 | 6.9 | 222.9 | 9.7 | 224.6 | 12.0 | 225.0 | 12.8 | 224.0 |

Daily Summary Report

Site: ORNL Sodar

10/22/2019

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 | | | | |
| 02:15 | | | | |
| 02:30 | | | | |
| 02:45 | | | | |
| 03:00 | | | | |
| 03:15 | | | | |
| 03:30 | | | | |
| 03:45 | | | | |
| 04:00 | | | | |
| 04:15 | | | | |
| 04:30 | 16.7 | 298.6 | | |
| 04:45 | 17.2 | 294.4 | 15.9 | 296.5 |
| 05:00 | 18.2 | 294.9 | 16.2 | 303.0 |
| 05:15 | 17.8 | 295.8 | 16.2 | 298.0 |
| 05:30 | 16.1 | 296.8 | 16.2 | 295.5 |
| 05:45 | 15.9 | 297.3 | | |
| 06:00 | 15.0 | 298.0 | | |
| 06:15 | 14.0 | 298.0 | | |
| 06:30 | 13.3 | 299.9 | | |
| 06:45 | | | | |
| 07:00 | | | | |
| 07:15 | | | | |
| 07:30 | | | | |
| 07:45 | | | | |
| 08:00 | | | | |
| 08:15 | | | | |
| 08:30 | | | | |
| 08:45 | | | | |
| 09:00 | | | | |
| 09:15 | | | | |
| 09:30 | | | | |
| 09:45 | | | | |
| 10:00 | | | | |
| 10:15 | | | | |
| 10:30 | | | | |
| 10:45 | 12.3 | 216.8 | 11.9 | 226.2 |
| 11:00 | 11.7 | 222.0 | 12.9 | 224.3 |
| 11:15 | 12.0 | 221.3 | 12.3 | 220.4 |
| 11:30 | | | | |
| 11:45 | | | | |
| 12:00 | | | | |
| 12:15 | | | | |
| 12:30 | | | | |

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 12:45 | | | | |
| 13:00 | | | | |
| 13:15 | | | | |
| 13:30 | | | | |
| 13:45 | | | | |
| 14:00 | | | | |
| 14:15 | | | | |
| 14:30 | | | | |
| 14:45 | | | | |
| 15:00 | | | | |
| 15:15 | | | | |
| 15:30 | | | | |
| 15:45 | | | | |
| 16:00 | | | | |
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| 20:00 | | | | |
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| 20:45 | | | | |
| 21:00 | | | | |
| 21:15 | | | | |
| 21:30 | | | | |
| 21:45 | | | | |
| 22:00 | | | | |
| 22:15 | | | | |
| 22:30 | | | | |
| 22:45 | | | | |
| 23:00 | | | | |
| 23:15 | | | | |
| 23:30 | | | | |
| 23:45 | | | | |
| Avg | 15.0 | 280.0 | 14.5 | 267.0 |
| Max | 18.2 | 299.9 | 16.2 | 303.0 |
| Max Time | 05:00 | 06:30 | 05:30 | 05:00 |
| Min | 11.7 | 216.8 | 11.9 | 220.4 |
| Count | 12 | 12 | 7 | 7 |
| Total | | | | |