

Daily Summary Report

Site: Lidar "Q" (PAM35)

10/28/2021

Interval: 005m

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 00:00 | 6.7 | 982.00 | 94.0 | .8 | 215.6 | -.03 | .5 | 210.4 | -.05 |
| 00:05 | 6.7 | 982.00 | 94.0 | 1.0 | 210.6 | .00 | 1.0 | 220.8 | .21 |
| 00:10 | 6.7 | 982.00 | 94.0 | .8 | 210.9 | .17 | .7 | 217.8 | .08 |
| 00:15 | 6.7 | 982.00 | 94.0 | .7 | 201.1 | .06 | .6 | 231.2 | -.04 |
| 00:20 | 6.6 | 982.00 | 94.0 | .2 | 90.8 | .03 | .4 | 10.7 | -.05 |
| 00:25 | 6.6 | 982.00 | 94.0 | .8 | 34.6 | .07 | .9 | 32.1 | .02 |
| 00:30 | 6.7 | 981.00 | 95.0 | 1.2 | 11.4 | .02 | 1.2 | 23.1 | -.03 |
| 00:35 | 6.7 | 981.00 | 95.0 | .9 | 22.0 | -.02 | 1.1 | 23.1 | .01 |
| 00:40 | 6.8 | 981.00 | 95.0 | 1.0 | 20.2 | .07 | 1.2 | 30.6 | .09 |
| 00:45 | 6.8 | 981.00 | 95.0 | .4 | 344.9 | .01 | .6 | 28.6 | .01 |
| 00:50 | 6.8 | 981.00 | 95.0 | .4 | 37.2 | -.01 | .8 | 47.4 | -.05 |
| 00:55 | 6.8 | 981.00 | 95.0 | .7 | 39.6 | .08 | 1.2 | 43.0 | .05 |
| 01:00 | 7.0 | 981.00 | 95.0 | .6 | 26.7 | -.01 | .8 | 36.2 | .00 |
| 01:05 | 7.0 | 981.00 | 95.0 | 1.0 | 18.0 | -.04 | 1.2 | 26.6 | .00 |
| 01:10 | 7.2 | 981.00 | 95.0 | .8 | 19.3 | -.07 | 1.0 | 9.5 | -.01 |
| 01:15 | 7.2 | 981.00 | 95.0 | .3 | 326.8 | -.13 | .8 | 345.6 | -.23 |
| 01:20 | 7.3 | 981.00 | 95.0 | .3 | 234.5 | .00 | .4 | 14.3 | .04 |
| 01:25 | 7.3 | 981.00 | 95.0 | .4 | 209.1 | .01 | .2 | 327.7 | .03 |
| 01:30 | 7.4 | 981.00 | 95.0 | .4 | 156.0 | -.02 | .6 | 71.6 | .03 |
| 01:35 | 7.4 | 981.00 | 95.0 | .6 | 138.9 | .06 | .7 | 77.2 | .08 |
| 01:40 | 7.5 | 981.00 | 94.0 | .8 | 59.0 | .02 | 1.1 | 48.9 | .05 |
| 01:45 | 7.5 | 981.00 | 94.0 | .9 | 25.9 | .05 | 1.1 | 39.6 | .09 |
| 01:50 | 7.5 | 981.00 | 94.0 | 1.2 | 38.7 | -.03 | 1.5 | 57.5 | .01 |
| 01:55 | 7.5 | 981.00 | 94.0 | .8 | 31.8 | -.04 | 1.0 | 48.3 | -.02 |
| 02:00 | 7.6 | 981.00 | 94.0 | .9 | 24.9 | -.13 | 1.1 | 25.6 | -.05 |
| 02:05 | 7.6 | 981.00 | 94.0 | .4 | 28.8 | -.14 | .5 | 45.6 | -.14 |
| 02:10 | 7.6 | 981.00 | 93.0 | .3 | 35.5 | .05 | .7 | 43.6 | .08 |
| 02:15 | 7.6 | 981.00 | 93.0 | .2 | 359.3 | .01 | .6 | 33.9 | .01 |
| 02:20 | 7.5 | 981.00 | 93.0 | .4 | 65.8 | -.04 | 1.0 | 42.7 | -.04 |
| 02:25 | 7.5 | 981.00 | 93.0 | .5 | 189.0 | .01 | .4 | 74.6 | .04 |
| 02:30 | 7.3 | 981.00 | 93.0 | 1.1 | 199.7 | -.02 | .7 | 198.5 | .00 |
| 02:35 | 7.3 | 981.00 | 93.0 | 1.1 | 213.0 | -.01 | 1.1 | 203.5 | -.02 |
| 02:40 | 7.2 | 981.00 | 93.0 | .6 | 226.7 | -.02 | .8 | 215.4 | .02 |
| 02:45 | 7.2 | 981.00 | 93.0 | .6 | 206.6 | .04 | .8 | 205.0 | .03 |
| 02:50 | 7.1 | 981.00 | 94.0 | .3 | 215.1 | .05 | .5 | 195.1 | .05 |
| 02:55 | 7.1 | 981.00 | 94.0 | .3 | 12.0 | .00 | .2 | 32.6 | -.02 |
| 03:00 | 7.1 | 981.00 | 94.0 | .6 | 258.5 | -.02 | .6 | 242.7 | -.02 |
| 03:05 | 7.1 | 981.00 | 94.0 | .5 | 356.4 | -.06 | .5 | 357.1 | .00 |
| 03:10 | 6.9 | 981.00 | 94.0 | 1.0 | 58.7 | .02 | .8 | 62.1 | .05 |
| 03:15 | 6.9 | 981.00 | 94.0 | 1.4 | 21.4 | -.03 | 1.4 | 39.0 | .02 |
| 03:20 | 6.9 | 981.00 | 94.0 | 1.9 | 117.9 | -.05 | 2.0 | 124.2 | -.03 |
| 03:25 | 6.9 | 981.00 | 94.0 | 1.4 | 180.5 | .01 | 1.0 | 117.3 | .06 |
| 03:30 | 6.9 | 981.00 | 95.0 | 1.5 | 199.7 | .17 | 1.1 | 197.4 | .14 |
| 03:35 | 6.9 | 981.00 | 95.0 | 2.7 | 188.6 | .06 | 4.0 | 185.8 | .01 |
| 03:40 | 7.1 | 981.00 | 95.0 | 4.5 | 193.3 | .03 | 6.0 | 189.9 | .06 |
| 03:45 | 7.1 | 981.00 | 95.0 | 3.7 | 194.9 | -.05 | 2.4 | 197.5 | .04 |
| 03:50 | 7.3 | 981.00 | 95.0 | 1.8 | 186.1 | .03 | .4 | 64.3 | -.02 |
| 03:55 | 7.3 | 981.00 | 95.0 | .7 | 194.6 | .05 | .6 | 54.2 | .09 |
| 04:00 | 7.4 | 981.00 | 95.0 | .4 | 264.8 | -.03 | .2 | 282.8 | .01 |
| 04:05 | 7.4 | 981.00 | 95.0 | .2 | 213.9 | -.18 | .4 | 191.8 | -.03 |
| 04:10 | 7.4 | 980.00 | 95.0 | .2 | 224.2 | -.06 | .3 | 207.2 | .01 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 04:15 | 7.4 | 980.00 | 95.0 | .3 | 110.7 | .06 | .4 | 90.7 | .13 |
| 04:20 | 7.5 | 980.00 | 95.0 | .2 | 112.3 | .03 | .4 | 35.8 | .01 |
| 04:25 | 7.5 | 980.00 | 95.0 | .2 | 265.1 | -.05 | .4 | 4.8 | .00 |
| 04:30 | 7.5 | 980.00 | 94.0 | .3 | 304.8 | -.01 | .4 | 18.4 | .02 |
| 04:35 | 7.5 | 980.00 | 94.0 | .5 | 26.0 | .00 | .6 | 42.3 | .02 |
| 04:40 | 7.5 | 979.00 | 94.0 | 1.4 | 33.5 | -.03 | 1.5 | 32.6 | .00 |
| 04:45 | 7.5 | 979.00 | 94.0 | 2.3 | 46.7 | -.09 | 2.5 | 60.0 | -.08 |
| 04:50 | 7.5 | 979.00 | 94.0 | 2.1 | 46.2 | .01 | 2.8 | 82.3 | -.01 |
| 04:55 | 7.5 | 979.00 | 94.0 | 2.1 | 25.2 | -.11 | 2.4 | 34.2 | -.11 |
| 05:00 | 7.6 | 979.00 | 93.0 | 1.4 | 9.5 | -.05 | 1.7 | 18.0 | -.03 |
| 05:05 | 7.6 | 979.00 | 93.0 | .8 | 278.2 | -.01 | .6 | 314.3 | -.03 |
| 05:10 | 7.7 | 979.00 | 93.0 | 1.6 | 246.7 | .18 | 1.1 | 255.7 | .16 |
| 05:15 | 7.7 | 979.00 | 93.0 | 1.2 | 244.3 | .12 | 1.3 | 235.1 | .10 |
| 05:20 | 7.8 | 979.00 | 93.0 | 1.1 | 249.6 | .11 | 1.2 | 239.2 | .10 |
| 05:25 | 7.8 | 979.00 | 93.0 | .8 | 243.8 | .06 | .9 | 238.1 | .04 |
| 05:30 | 7.8 | 979.00 | 93.0 | 1.2 | 207.0 | .00 | 1.3 | 203.2 | .04 |
| 05:35 | 7.8 | 979.00 | 93.0 | .9 | 197.3 | .04 | 1.0 | 188.5 | .05 |
| 05:40 | 7.9 | 979.00 | 94.0 | .5 | 160.5 | -.04 | .6 | 168.7 | -.01 |
| 05:45 | 7.9 | 979.00 | 94.0 | .7 | 26.2 | .08 | .5 | 49.7 | .10 |
| 05:50 | 8.0 | 979.00 | 93.0 | .6 | 10.6 | .09 | .5 | 43.8 | .12 |
| 05:55 | 8.0 | 979.00 | 93.0 | 1.2 | 43.7 | -.03 | 1.3 | 51.0 | .03 |
| 06:00 | 8.2 | 979.00 | 93.0 | 1.1 | 8.6 | .37 | 1.2 | 9.5 | .36 |
| 06:05 | 8.2 | 979.00 | 93.0 | 1.1 | 336.8 | -.29 | 1.1 | 340.7 | -.29 |
| 06:10 | 8.3 | 979.00 | 93.0 | 1.3 | 357.2 | -.12 | 1.2 | 20.1 | -.01 |
| 06:15 | 8.3 | 979.00 | 93.0 | 1.2 | 38.0 | -.22 | 1.2 | 39.7 | -.16 |
| 06:20 | 8.3 | 978.00 | 92.0 | 1.2 | 39.0 | .05 | 1.3 | 35.9 | .08 |
| 06:25 | 8.3 | 978.00 | 92.0 | 1.4 | 31.7 | -.06 | 1.6 | 37.4 | -.02 |
| 06:30 | 8.3 | 978.00 | 92.0 | 1.5 | 44.2 | -.04 | 2.0 | 49.3 | -.05 |
| 06:35 | 8.3 | 978.00 | 92.0 | 1.2 | 61.3 | -.07 | 1.8 | 56.2 | -.11 |
| 06:40 | 8.3 | 978.00 | 91.0 | 1.7 | 53.0 | .00 | 1.8 | 54.6 | -.11 |
| 06:45 | 8.3 | 978.00 | 91.0 | 1.2 | 17.5 | -.04 | .9 | 43.5 | -.02 |
| 06:50 | 8.4 | 978.00 | 91.0 | 1.7 | 39.7 | -.16 | 1.7 | 45.0 | -.09 |
| 06:55 | 8.4 | 978.00 | 91.0 | 2.2 | 59.7 | -.13 | 2.2 | 66.1 | -.13 |
| 07:00 | 8.5 | 977.00 | 91.0 | 2.8 | 54.7 | -.08 | 2.9 | 58.7 | -.14 |
| 07:05 | 8.5 | 977.00 | 91.0 | 1.6 | 68.4 | -.17 | 2.7 | 73.6 | -.21 |
| 07:10 | 8.5 | 977.00 | 91.0 | 1.5 | 69.2 | -.15 | 2.6 | 79.7 | -.20 |
| 07:15 | 8.5 | 977.00 | 91.0 | 2.2 | 82.6 | -.15 | 3.2 | 76.8 | -.19 |
| 07:20 | 8.6 | 977.00 | 91.0 | 1.3 | 354.8 | -.08 | 2.1 | 117.6 | -.12 |
| 07:25 | 8.6 | 977.00 | 91.0 | 1.5 | 16.8 | .03 | 1.8 | 29.0 | .07 |
| 07:30 | 8.7 | 977.00 | 92.0 | 1.6 | 40.8 | .05 | 2.2 | 48.5 | .06 |
| 07:35 | 8.7 | 977.00 | 92.0 | 1.9 | 41.4 | -.06 | 2.5 | 52.0 | -.01 |
| 07:40 | 8.9 | 976.00 | 91.0 | 2.5 | 57.2 | -.13 | 3.2 | 62.5 | -.13 |
| 07:45 | 8.9 | 976.00 | 91.0 | 1.7 | 48.1 | -.11 | 2.5 | 68.2 | -.20 |
| 07:50 | 8.9 | 976.00 | 90.0 | .7 | 359.2 | -.01 | 1.1 | 31.8 | -.03 |
| 07:55 | 8.9 | 976.00 | 90.0 | .8 | 52.1 | .06 | 1.2 | 68.5 | .01 |
| 08:00 | 8.9 | 976.00 | 91.0 | .8 | 141.6 | -.03 | 1.4 | 82.2 | -.05 |
| 08:05 | 8.9 | 976.00 | 91.0 | .5 | 204.6 | .01 | .8 | 86.9 | -.05 |
| 08:10 | 8.9 | 976.00 | 92.0 | 1.5 | 97.2 | .05 | 2.1 | 89.6 | .04 |
| 08:15 | 8.9 | 976.00 | 92.0 | 1.3 | 93.9 | .07 | 1.8 | 80.4 | .00 |
| 08:20 | 9.0 | 976.00 | 92.0 | .8 | 94.6 | .00 | 1.4 | 70.6 | -.06 |
| 08:25 | 9.0 | 976.00 | 92.0 | 1.3 | 49.3 | -.06 | 1.9 | 61.2 | -.07 |
| 08:30 | 9.2 | 976.00 | 91.0 | 1.9 | 58.6 | -.11 | 2.5 | 70.7 | -.16 |
| 08:35 | 9.2 | 976.00 | 91.0 | 1.6 | 48.0 | .01 | 1.9 | 65.3 | -.09 |
| 08:40 | 9.4 | 976.00 | 90.0 | .7 | 52.7 | -.07 | 1.1 | 70.2 | -.10 |
| 08:45 | 9.4 | 976.00 | 90.0 | 1.4 | 11.8 | -.23 | 1.6 | 23.4 | -.25 |
| 08:50 | 9.5 | 975.00 | 90.0 | 2.1 | 46.1 | -.16 | 2.4 | 53.4 | -.15 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 08:55 | 9.5 | 975.00 | 90.0 | 2.7 | 49.3 | .02 | 3.1 | 59.2 | .06 |
| 09:00 | 9.8 | 975.00 | 87.0 | 1.5 | 53.3 | -10 | 2.0 | 69.4 | -10 |
| 09:05 | 9.8 | 975.00 | 87.0 | 1.4 | 89.3 | -17 | 2.0 | 86.2 | -16 |
| 09:10 | 10.0 | 976.00 | 86.0 | 2.1 | 63.4 | -03 | 2.9 | 70.1 | -06 |
| 09:15 | 10.0 | 976.00 | 86.0 | 1.0 | 103.3 | -35 | 1.5 | 98.0 | -42 |
| 09:20 | 10.5 | 976.00 | 84.0 | 2.1 | 75.4 | -04 | 3.1 | 81.6 | -04 |
| 09:25 | 10.5 | 976.00 | 84.0 | 2.1 | 79.2 | .04 | 2.8 | 77.7 | -04 |
| 09:30 | 11.0 | 976.00 | 82.0 | 2.5 | 56.3 | -08 | 2.9 | 60.9 | -08 |
| 09:35 | 11.0 | 976.00 | 82.0 | 1.8 | 52.9 | -05 | 2.3 | 64.5 | .00 |
| 09:40 | 11.3 | 975.00 | 80.0 | 1.2 | 47.8 | -04 | 1.7 | 54.4 | -03 |
| 09:45 | 11.3 | 975.00 | 80.0 | 1.4 | 34.2 | -07 | 1.5 | 43.9 | -07 |
| 09:50 | 11.5 | 975.00 | 81.0 | 1.2 | 22.7 | -04 | 1.4 | 38.0 | -01 |
| 09:55 | 11.5 | 975.00 | 81.0 | .6 | 83.9 | -12 | 1.1 | 66.3 | -01 |
| 10:00 | 11.8 | 975.00 | 82.0 | .9 | 15.2 | -18 | 1.1 | 32.8 | -15 |
| 10:05 | 11.8 | 975.00 | 82.0 | 1.4 | 349.1 | -17 | 1.3 | 7.8 | -19 |
| 10:10 | 12.2 | 975.00 | 80.0 | 1.2 | 347.4 | -11 | 1.2 | 1.1 | -10 |
| 10:15 | 12.2 | 975.00 | 80.0 | 1.5 | 31.2 | .07 | 1.5 | 39.9 | .09 |
| 10:20 | 12.7 | 975.00 | 77.0 | 1.2 | 27.4 | -10 | 1.4 | 48.1 | .00 |
| 10:25 | 12.7 | 975.00 | 77.0 | 1.9 | 33.1 | -06 | 1.9 | 43.5 | -07 |
| 10:30 | 13.2 | 975.00 | 76.0 | 2.0 | 28.0 | -12 | 2.2 | 35.8 | -16 |
| 10:35 | 13.2 | 975.00 | 76.0 | 1.8 | 33.1 | .01 | 2.0 | 41.7 | .05 |
| 10:40 | 13.4 | 975.00 | 75.0 | .8 | 18.6 | -30 | 1.0 | 55.3 | -35 |
| 10:45 | 13.4 | 975.00 | 75.0 | .8 | 31.3 | -16 | 1.0 | 36.9 | -16 |
| 10:50 | 13.9 | 975.00 | 73.0 | 1.3 | 23.7 | .04 | 1.3 | 25.8 | .02 |
| 10:55 | 13.9 | 975.00 | 73.0 | 1.2 | 24.0 | -14 | 1.6 | 25.5 | -05 |
| 11:00 | 14.2 | 974.00 | 72.0 | 1.9 | 36.0 | -04 | 2.0 | 49.2 | -05 |
| 11:05 | 14.2 | 974.00 | 72.0 | 2.5 | 34.0 | -01 | 2.6 | 45.9 | .03 |
| 11:10 | 14.8 | 974.00 | 71.0 | 2.3 | 23.3 | -09 | 2.4 | 30.4 | -08 |
| 11:15 | 14.8 | 974.00 | 71.0 | 2.3 | 25.7 | -05 | 2.5 | 26.4 | -01 |
| 11:20 | 15.3 | 974.00 | 69.0 | 2.6 | 35.1 | -17 | 2.7 | 38.9 | -18 |
| 11:25 | 15.3 | 974.00 | 69.0 | 2.7 | 32.6 | -32 | 2.8 | 38.9 | -26 |
| 11:30 | 15.6 | 974.00 | 68.0 | 2.6 | 26.7 | -19 | 2.8 | 35.2 | -12 |
| 11:35 | 15.6 | 974.00 | 68.0 | 2.9 | 35.2 | -12 | 3.0 | 42.7 | -07 |
| 11:40 | 16.1 | 974.00 | 67.0 | 2.7 | 46.3 | -04 | 3.1 | 51.7 | .01 |
| 11:45 | 16.1 | 974.00 | 67.0 | 2.3 | 24.4 | -13 | 2.5 | 37.3 | -13 |
| 11:50 | 16.2 | 973.00 | 66.0 | 3.1 | 36.8 | 2.24 | 3.2 | 46.0 | 2.26 |
| 11:55 | 16.2 | 973.00 | 66.0 | 2.2 | 23.3 | .30 | 2.3 | 31.4 | .35 |
| 12:00 | 15.9 | 973.00 | 75.0 | 2.1 | 35.0 | -22 | 2.3 | 42.1 | -20 |
| 12:05 | 15.9 | 973.00 | 75.0 | 1.3 | 15.2 | -15 | 1.7 | 36.4 | -15 |
| 12:10 | 16.4 | 973.00 | 72.0 | 1.3 | 331.3 | .07 | 1.4 | 343.0 | .06 |
| 12:15 | 16.4 | 973.00 | 72.0 | .7 | 265.8 | -19 | .8 | 276.5 | -35 |
| 12:20 | 17.3 | 973.00 | 68.0 | 1.2 | 332.9 | -40 | 1.3 | 321.7 | -43 |
| 12:25 | 17.3 | 973.00 | 68.0 | 1.0 | 272.6 | -17 | 1.2 | 261.1 | -21 |
| 12:30 | 17.5 | 973.00 | 66.0 | 1.2 | 281.5 | -24 | 1.4 | 266.5 | -28 |
| 12:35 | 17.5 | 973.00 | 66.0 | .9 | 265.5 | .22 | 1.1 | 259.6 | .32 |
| 12:40 | 17.1 | 973.00 | 65.0 | .7 | 325.2 | -09 | .7 | 330.3 | -15 |
| 12:45 | 17.1 | 973.00 | 65.0 | 1.7 | 273.1 | -20 | 1.8 | 279.5 | -17 |
| 12:50 | 17.2 | 973.00 | 65.0 | 1.4 | 261.0 | .02 | 1.6 | 263.2 | -01 |
| 12:55 | 17.2 | 973.00 | 65.0 | .8 | 251.7 | -01 | .9 | 254.0 | .01 |
| 13:00 | 17.1 | 973.00 | 66.0 | .6 | 270.6 | -04 | .5 | 274.4 | -11 |
| 13:05 | 17.1 | 973.00 | 66.0 | .7 | 308.1 | -13 | .7 | 305.0 | -18 |
| 13:10 | 16.9 | 973.00 | 69.0 | 1.4 | 262.4 | .05 | 1.2 | 273.2 | -04 |
| 13:15 | 16.9 | 973.00 | 69.0 | 1.9 | 246.2 | 1.13 | 1.9 | 252.6 | 1.09 |
| 13:20 | 16.5 | 973.00 | 70.0 | 2.3 | 228.1 | 2.49 | 2.6 | 235.7 | 2.53 |
| 13:25 | 16.5 | 973.00 | 70.0 | 3.6 | 248.1 | 3.48 | 4.2 | 247.8 | 3.50 |
| 13:30 | 15.6 | 973.00 | 81.0 | 3.3 | 239.0 | 1.65 | 4.3 | 241.5 | 1.68 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 13:35 | 15.6 | 973.00 | 81.0 | 3.1 | 230.7 | .84 | 4.3 | 235.4 | .86 |
| 13:40 | 14.8 | 973.00 | 87.0 | 2.7 | 251.3 | 2.56 | 4.2 | 251.5 | 2.67 |
| 13:45 | 14.8 | 973.00 | 87.0 | .9 | 311.7 | .39 | 1.0 | 288.5 | .39 |
| 13:50 | 14.2 | 973.00 | 87.0 | 1.0 | 351.8 | .07 | 1.0 | 315.3 | .04 |
| 13:55 | 14.2 | 973.00 | 87.0 | 1.0 | 25.9 | -.04 | 1.1 | 9.7 | -.10 |
| 14:00 | 13.9 | 973.00 | 91.0 | 1.7 | 287.5 | .35 | 1.9 | 277.6 | .43 |
| 14:05 | 13.9 | 973.00 | 91.0 | 1.6 | 252.6 | .41 | 1.8 | 254.5 | .49 |
| 14:10 | 13.8 | 973.00 | 89.0 | 1.4 | 307.4 | .06 | 1.7 | 318.5 | .00 |
| 14:15 | 13.8 | 973.00 | 89.0 | 1.6 | 345.0 | -.05 | 1.9 | 332.7 | -.07 |
| 14:20 | 13.8 | 973.00 | 91.0 | 1.4 | 1.8 | -.01 | 1.5 | 328.1 | .02 |
| 14:25 | 13.8 | 973.00 | 91.0 | 2.2 | 354.9 | .16 | 2.1 | 335.7 | .10 |
| 14:30 | 13.7 | 973.00 | 91.0 | 1.6 | 354.1 | .26 | 1.5 | 327.8 | .26 |
| 14:35 | 13.7 | 973.00 | 91.0 | 1.3 | 6.9 | .09 | 1.2 | 338.4 | .04 |
| 14:40 | 13.6 | 972.00 | 91.0 | 1.2 | 39.7 | -.12 | .7 | 19.8 | -.08 |
| 14:45 | 13.6 | 972.00 | 91.0 | 1.1 | 17.0 | .05 | .9 | 348.1 | .05 |
| 14:50 | 13.7 | 972.00 | 92.0 | .9 | 1.6 | .05 | .9 | 311.6 | .05 |
| 14:55 | 13.7 | 972.00 | 92.0 | 1.2 | 322.5 | .16 | 1.5 | 295.8 | .17 |
| 15:00 | 13.7 | 972.00 | 93.0 | 1.4 | 282.4 | 1.11 | 1.5 | 278.4 | 1.18 |
| 15:05 | 13.7 | 972.00 | 93.0 | .9 | 287.5 | .60 | 1.5 | 278.4 | .64 |
| 15:10 | 13.6 | 973.00 | 89.0 | .9 | 282.5 | .27 | 1.1 | 269.0 | .22 |
| 15:15 | 13.6 | 973.00 | 89.0 | 1.4 | 270.5 | .05 | 1.8 | 271.8 | .00 |
| 15:20 | 13.6 | 973.00 | 90.0 | 1.7 | 269.9 | .00 | 2.0 | 270.0 | -.01 |
| 15:25 | 13.6 | 973.00 | 90.0 | 1.6 | 264.2 | .45 | 2.1 | 266.3 | .50 |
| 15:30 | 13.6 | 973.00 | 91.0 | 1.4 | 254.1 | .40 | 1.9 | 259.6 | .37 |
| 15:35 | 13.6 | 973.00 | 91.0 | 2.3 | 245.4 | .59 | 3.4 | 254.4 | .55 |
| 15:40 | 13.5 | 973.00 | 91.0 | 2.8 | 256.1 | 2.19 | 4.2 | 259.6 | 2.29 |
| 15:45 | 13.5 | 973.00 | 91.0 | 2.2 | 261.5 | .98 | 3.1 | 262.1 | .96 |
| 15:50 | 13.3 | 973.00 | 91.0 | 2.5 | 266.9 | .93 | 3.3 | 267.8 | .89 |
| 15:55 | 13.3 | 973.00 | 91.0 | 2.7 | 269.6 | .93 | 3.8 | 271.3 | .89 |
| 16:00 | 13.2 | 973.00 | 91.0 | 1.8 | 274.4 | 1.18 | 2.7 | 272.3 | 1.19 |
| 16:05 | 13.2 | 973.00 | 91.0 | 1.7 | 261.4 | 1.13 | 2.4 | 263.6 | 1.14 |
| 16:10 | 13.0 | 973.00 | 91.0 | .6 | 291.2 | .88 | 1.2 | 279.6 | .79 |
| 16:15 | 13.0 | 973.00 | 91.0 | 1.0 | 344.1 | .94 | 1.0 | 319.4 | .98 |
| 16:20 | 13.0 | 973.00 | 92.0 | .9 | 355.0 | .82 | .9 | 337.5 | .80 |
| 16:25 | 13.0 | 973.00 | 92.0 | 1.5 | 352.8 | .79 | 1.5 | 332.6 | .84 |
| 16:30 | 12.9 | 973.00 | 93.0 | 1.3 | 335.3 | 1.60 | 1.6 | 317.8 | 1.65 |
| 16:35 | 12.9 | 973.00 | 93.0 | 1.0 | 340.4 | 1.80 | 1.1 | 322.3 | 1.83 |
| 16:40 | 13.0 | 973.00 | 94.0 | 1.3 | 12.0 | 1.31 | 1.3 | 349.0 | 1.32 |
| 16:45 | 13.0 | 973.00 | 94.0 | 1.7 | 10.8 | 1.15 | 1.5 | 1.0 | 1.18 |
| 16:50 | 12.9 | 973.00 | 94.0 | 1.6 | 3.5 | 1.25 | 1.5 | 354.4 | 1.24 |
| 16:55 | 12.9 | 973.00 | 94.0 | 1.3 | 352.4 | .98 | 1.4 | 336.4 | .96 |
| 17:00 | 12.8 | 973.00 | 94.0 | .9 | 16.7 | .84 | 1.0 | 348.7 | .85 |
| 17:05 | 12.8 | 973.00 | 94.0 | 1.2 | 4.8 | 1.02 | 1.3 | 335.3 | .89 |
| 17:10 | 12.8 | 973.00 | 94.0 | .8 | 356.1 | .89 | 1.1 | 324.6 | .91 |
| 17:15 | 12.8 | 973.00 | 94.0 | 1.5 | 33.5 | 1.19 | 1.3 | 1.4 | 1.28 |
| 17:20 | 12.8 | 973.00 | 94.0 | 1.8 | 32.3 | 1.39 | 1.5 | 14.9 | 1.47 |
| 17:25 | 12.8 | 973.00 | 94.0 | 1.5 | 19.5 | 1.00 | 1.4 | 10.2 | 1.00 |
| 17:30 | 12.8 | 973.00 | 94.0 | 1.7 | 49.7 | 1.61 | 1.6 | 43.8 | 1.74 |
| 17:35 | 12.8 | 973.00 | 94.0 | 1.5 | 24.3 | 1.22 | 1.4 | 353.4 | 1.20 |
| 17:40 | 12.8 | 973.00 | 95.0 | 1.6 | 50.1 | .87 | 1.3 | 40.4 | .84 |
| 17:45 | 12.8 | 973.00 | 95.0 | 1.1 | 4.5 | .16 | 1.0 | 349.2 | .20 |
| 17:50 | 12.8 | 973.00 | 95.0 | 1.1 | 323.3 | .82 | 1.3 | 292.4 | .90 |
| 17:55 | 12.8 | 973.00 | 95.0 | 1.0 | 39.5 | 1.42 | .7 | 355.1 | 1.45 |
| 18:00 | 12.8 | 973.00 | 95.0 | 2.2 | 39.0 | .51 | 1.7 | 33.3 | .64 |
| 18:05 | 12.8 | 973.00 | 95.0 | 1.7 | 49.2 | .08 | 1.5 | 42.8 | .11 |
| 18:10 | 12.8 | 973.00 | 95.0 | 2.3 | 52.5 | -.12 | 2.2 | 50.6 | -.15 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 18:15 | 12.8 | 973.00 | 95.0 | 2.5 | 43.3 | -.11 | 2.6 | 40.8 | -.13 |
| 18:20 | 12.9 | 973.00 | 95.0 | 2.2 | 37.1 | -.17 | 2.5 | 39.3 | -.11 |
| 18:25 | 12.9 | 973.00 | 95.0 | 2.5 | 40.1 | -.07 | 2.8 | 43.5 | -.06 |
| 18:30 | 13.0 | 973.00 | 95.0 | 2.2 | 33.8 | -.24 | 2.8 | 43.6 | -.21 |
| 18:35 | 13.0 | 973.00 | 95.0 | 1.5 | 359.0 | -.15 | 1.7 | 6.8 | -.16 |
| 18:40 | 13.0 | 973.00 | 94.0 | 1.5 | 27.7 | -.08 | 1.7 | 35.7 | .01 |
| 18:45 | 13.0 | 973.00 | 94.0 | 1.4 | 36.5 | -.03 | 1.8 | 40.1 | .07 |
| 18:50 | 12.8 | 973.00 | 94.0 | 1.4 | 25.4 | -.24 | 1.5 | 27.6 | -.33 |
| 18:55 | 12.8 | 973.00 | 94.0 | .8 | 345.5 | -.33 | 1.2 | 13.6 | -.28 |
| 19:00 | 12.6 | 973.00 | 94.0 | 1.0 | .4 | -.22 | 1.2 | 15.4 | -.09 |
| 19:05 | 12.6 | 973.00 | 94.0 | 1.3 | 355.5 | -.19 | 1.6 | 4.3 | -.13 |
| 19:10 | 12.4 | 973.00 | 94.0 | 1.2 | 18.5 | -.16 | 1.7 | 15.4 | -.15 |
| 19:15 | 12.4 | 973.00 | 94.0 | 1.9 | 28.0 | -.22 | 2.3 | 28.9 | -.08 |
| 19:20 | 12.2 | 973.00 | 94.0 | 2.4 | 43.1 | -.15 | 2.4 | 33.8 | -.17 |
| 19:25 | 12.2 | 973.00 | 94.0 | 1.9 | 40.6 | -.16 | 2.1 | 40.4 | -.22 |
| 19:30 | 12.0 | 973.00 | 95.0 | 1.3 | 36.6 | -.14 | 1.5 | 41.9 | .05 |
| 19:35 | 12.0 | 973.00 | 95.0 | 1.1 | 43.1 | -.05 | 1.3 | 29.6 | -.01 |
| 19:40 | 11.9 | 973.00 | 95.0 | 1.7 | 48.8 | -.16 | 1.9 | 42.8 | -.11 |
| 19:45 | 11.9 | 973.00 | 95.0 | 2.0 | 47.2 | -.27 | 2.3 | 45.9 | -.16 |
| 19:50 | 11.8 | 973.00 | 95.0 | 1.9 | 50.8 | -.21 | 2.5 | 45.0 | -.20 |
| 19:55 | 11.8 | 973.00 | 95.0 | 2.4 | 52.0 | -.12 | 3.0 | 52.6 | -.12 |
| 20:00 | 11.9 | 973.00 | 96.0 | 2.6 | 54.0 | -.11 | 3.6 | 57.3 | -.15 |
| 20:05 | 11.9 | 973.00 | 96.0 | 1.7 | 24.4 | -.15 | 2.5 | 41.6 | -.23 |
| 20:10 | 11.9 | 973.00 | 96.0 | 1.7 | .6 | -.11 | 2.0 | 19.4 | -.07 |
| 20:15 | 11.9 | 973.00 | 96.0 | 1.8 | 13.2 | -.11 | 2.0 | 25.2 | -.06 |
| 20:20 | 11.8 | 973.00 | 96.0 | 1.1 | 40.3 | -.01 | 1.5 | 46.7 | .03 |
| 20:25 | 11.8 | 973.00 | 96.0 | 1.1 | 72.1 | -.10 | 1.0 | 38.2 | .18 |
| 20:30 | 11.8 | 973.00 | 96.0 | .7 | 66.3 | .06 | .8 | 26.0 | .20 |
| 20:35 | 11.8 | 973.00 | 96.0 | .3 | 56.9 | -.01 | 1.0 | 58.6 | .05 |
| 20:40 | 11.8 | 973.00 | 96.0 | .4 | 121.7 | .38 | .9 | 68.6 | .51 |
| 20:45 | 11.8 | 973.00 | 96.0 | .5 | 147.5 | .25 | .9 | 85.8 | .30 |
| 20:50 | 11.9 | 973.00 | 96.0 | .8 | 96.7 | .81 | 1.5 | 74.2 | .93 |
| 20:55 | 11.9 | 973.00 | 96.0 | .6 | 110.6 | .96 | 1.1 | 80.0 | .95 |
| 21:00 | 11.9 | 973.00 | 96.0 | 1.3 | 60.3 | .31 | 1.9 | 51.7 | .37 |
| 21:05 | 11.9 | 973.00 | 96.0 | 1.4 | 44.5 | -.02 | 2.1 | 49.2 | -.07 |
| 21:10 | 11.9 | 973.00 | 96.0 | 1.3 | 44.5 | -.13 | 1.8 | 48.4 | -.20 |
| 21:15 | 11.9 | 973.00 | 96.0 | 1.0 | 3.0 | .26 | 1.5 | 42.5 | .48 |
| 21:20 | 11.9 | 973.00 | 96.0 | 2.0 | 254.8 | .17 | 2.0 | 261.2 | .23 |
| 21:25 | 11.9 | 973.00 | 96.0 | 2.4 | 264.3 | -.11 | 2.6 | 266.5 | -.01 |
| 21:30 | 12.0 | 973.00 | 96.0 | .9 | 260.8 | -.14 | .9 | 275.7 | -.08 |
| 21:35 | 12.0 | 973.00 | 96.0 | 1.2 | 58.7 | .49 | 1.1 | 68.7 | .78 |
| 21:40 | 12.0 | 973.00 | 96.0 | 1.0 | 69.1 | .49 | 1.1 | 67.8 | .57 |
| 21:45 | 12.0 | 973.00 | 96.0 | 1.2 | 67.7 | .10 | 1.6 | 63.6 | .06 |
| 21:50 | 11.9 | 973.00 | 96.0 | .7 | 52.5 | -.09 | 1.4 | 72.9 | -.16 |
| 21:55 | 11.9 | 973.00 | 96.0 | 1.0 | 269.2 | .11 | .6 | 235.6 | .15 |
| 22:00 | 11.9 | 973.00 | 96.0 | .9 | 263.3 | .27 | .5 | 313.7 | .09 |
| 22:05 | 11.9 | 973.00 | 96.0 | .7 | 23.0 | -.02 | .9 | 23.8 | .15 |
| 22:10 | 11.9 | 973.00 | 96.0 | 1.3 | 18.6 | -.51 | 1.2 | 31.5 | .04 |
| 22:15 | 11.9 | 973.00 | 96.0 | 1.2 | 347.9 | -.87 | .9 | 29.8 | -.77 |
| 22:20 | 11.9 | 973.00 | 96.0 | .8 | 16.6 | -.34 | .9 | 26.7 | -.05 |
| 22:25 | 11.9 | 973.00 | 96.0 | 1.7 | 25.4 | -.18 | 1.7 | 33.3 | .16 |
| 22:30 | 11.8 | 973.00 | 96.0 | 1.6 | 28.0 | -.07 | 1.8 | 37.2 | .00 |
| 22:35 | 11.8 | 973.00 | 96.0 | 1.3 | 31.0 | -.28 | 1.5 | 32.8 | .07 |
| 22:40 | 11.7 | 973.00 | 96.0 | 1.1 | 46.7 | -.06 | 1.1 | 36.0 | .24 |
| 22:45 | 11.7 | 973.00 | 96.0 | 1.2 | 21.5 | -.35 | 1.3 | 30.2 | .29 |
| 22:50 | 11.7 | 973.00 | 96.0 | 1.3 | 56.0 | -.03 | 1.4 | 46.2 | .08 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

10/28/2021

Interval: 005m

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_WS120m | 18_WD120m | 19_WS140m | 20_WD140m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | M/SEC | DEGC | M/SEC | DEGC |
| 00:00 | .4 | 206.7 | -.07 | .8 | 98.4 | 1.9 | 78.7 | 2.8 | 68.0 |
| 00:05 | .7 | 210.5 | .07 | .5 | 127.4 | 1.5 | 82.9 | 2.7 | 70.2 |
| 00:10 | .4 | 224.9 | -.03 | .3 | 139.0 | 1.4 | 82.8 | 2.6 | 69.4 |
| 00:15 | .7 | 210.8 | -.05 | .7 | 136.4 | 1.5 | 84.9 | 2.7 | 70.8 |
| 00:20 | .3 | 98.4 | -.01 | 1.0 | 88.8 | 2.0 | 73.0 | 3.1 | 66.5 |
| 00:25 | .8 | 55.9 | -.01 | 1.5 | 75.5 | 2.6 | 69.4 | 3.7 | 67.2 |
| 00:30 | 1.0 | 38.3 | .00 | 1.5 | 68.2 | 2.5 | 69.5 | 3.7 | 67.7 |
| 00:35 | .9 | 34.5 | -.05 | 1.4 | 62.5 | 2.4 | 68.0 | 3.7 | 66.8 |
| 00:40 | .8 | 42.4 | .04 | 1.5 | 65.1 | 2.7 | 69.7 | 3.8 | 68.5 |
| 00:45 | .3 | 22.4 | .01 | .6 | 74.2 | 1.7 | 75.0 | 3.0 | 71.7 |
| 00:50 | .6 | 37.3 | -.07 | .9 | 66.6 | 2.0 | 68.2 | 3.3 | 68.2 |
| 00:55 | 1.1 | 48.3 | -.02 | 1.5 | 58.3 | 2.4 | 64.5 | 3.7 | 67.3 |
| 01:00 | .9 | 46.1 | .02 | 1.4 | 65.2 | 2.2 | 69.1 | 3.3 | 66.5 |
| 01:05 | 1.1 | 42.9 | .00 | 1.6 | 64.3 | 2.5 | 65.7 | 3.8 | 66.8 |
| 01:10 | 1.2 | 27.5 | .01 | 1.7 | 63.3 | 2.7 | 63.5 | 3.7 | 63.2 |
| 01:15 | .8 | 22.8 | .09 | 1.6 | 58.9 | 2.5 | 59.6 | 3.6 | 61.8 |
| 01:20 | .9 | 53.5 | .02 | 1.5 | 66.2 | 2.2 | 66.8 | 3.4 | 65.7 |
| 01:25 | .8 | 58.1 | -.03 | 1.7 | 66.9 | 2.5 | 66.4 | 3.4 | 66.5 |
| 01:30 | 1.5 | 60.8 | -.04 | 1.9 | 64.1 | 2.8 | 60.0 | 3.5 | 66.3 |
| 01:35 | 1.3 | 68.3 | .07 | 1.8 | 68.2 | 2.7 | 67.2 | 3.5 | 72.8 |
| 01:40 | 1.8 | 66.8 | -.03 | 2.0 | 73.3 | 3.1 | 67.8 | 3.9 | 72.3 |
| 01:45 | 1.7 | 67.2 | .04 | 2.1 | 74.2 | 3.0 | 64.7 | 3.8 | 69.7 |
| 01:50 | 1.9 | 69.5 | .00 | 2.5 | 66.2 | 3.4 | 65.3 | 4.2 | 71.2 |
| 01:55 | 1.0 | 72.4 | -.05 | 2.2 | 62.8 | 3.4 | 65.9 | 3.8 | 73.4 |
| 02:00 | 1.4 | 52.1 | .03 | 2.6 | 59.9 | 3.7 | 64.4 | 4.0 | 72.3 |
| 02:05 | .9 | 47.8 | -.02 | 2.1 | 64.7 | 3.3 | 64.7 | 4.0 | 70.5 |
| 02:10 | 1.4 | 49.3 | .13 | 2.2 | 68.2 | 3.3 | 63.8 | 4.0 | 67.8 |
| 02:15 | 1.4 | 49.4 | -.02 | 2.0 | 72.5 | 3.2 | 64.9 | 4.0 | 68.7 |
| 02:20 | 1.5 | 60.7 | -.08 | 2.3 | 74.5 | 3.1 | 66.4 | 4.1 | 70.8 |
| 02:25 | 1.1 | 80.7 | .04 | 2.1 | 86.9 | 2.8 | 72.7 | 3.7 | 74.1 |
| 02:30 | .7 | 109.9 | -.09 | 2.0 | 90.2 | 2.6 | 76.1 | 3.6 | 78.2 |
| 02:35 | .7 | 180.7 | .04 | 1.5 | 93.9 | 2.7 | 80.2 | 3.9 | 84.1 |
| 02:40 | .7 | 202.8 | .04 | 1.4 | 94.1 | 2.4 | 80.7 | 3.6 | 81.2 |
| 02:45 | .8 | 210.0 | -.01 | 1.0 | 96.2 | 2.2 | 88.6 | 3.4 | 82.6 |
| 02:50 | .6 | 188.2 | .00 | 1.0 | 92.5 | 2.4 | 85.7 | 3.5 | 84.3 |
| 02:55 | .3 | 262.2 | -.05 | .7 | 74.4 | 2.1 | 78.8 | 3.6 | 78.1 |
| 03:00 | .8 | 237.8 | .01 | .4 | 202.6 | 1.3 | 87.9 | 2.9 | 83.7 |
| 03:05 | .4 | 357.1 | .02 | 1.0 | 64.4 | 2.3 | 74.7 | 3.6 | 75.6 |
| 03:10 | .8 | 58.9 | .00 | 1.8 | 72.5 | 3.1 | 75.7 | 3.7 | 78.7 |
| 03:15 | 2.0 | 45.7 | -.01 | 2.9 | 64.8 | 3.9 | 62.7 | 4.6 | 71.2 |
| 03:20 | 2.2 | 95.4 | -.06 | 3.2 | 77.7 | 4.1 | 71.4 | 4.2 | 80.4 |
| 03:25 | 1.7 | 136.5 | -.12 | 2.4 | 118.3 | 3.1 | 105.6 | 3.3 | 116.3 |
| 03:30 | 1.4 | 152.3 | .02 | 1.6 | 126.4 | 2.4 | 117.6 | 2.9 | 115.1 |
| 03:35 | 3.7 | 179.0 | -.05 | 2.5 | 168.0 | 2.6 | 140.1 | 3.8 | 129.9 |
| 03:40 | 4.5 | 183.3 | .03 | 3.1 | 167.2 | 3.1 | 129.0 | 3.6 | 125.6 |
| 03:45 | 1.6 | 175.6 | .01 | 1.5 | 109.4 | 2.7 | 87.9 | 2.9 | 105.9 |
| 03:50 | 1.0 | 61.4 | .02 | 1.4 | 66.1 | 2.0 | 71.9 | 2.9 | 92.7 |
| 03:55 | 1.2 | 63.3 | .08 | 1.5 | 73.5 | 2.0 | 83.3 | 3.1 | 91.4 |
| 04:00 | .5 | 77.3 | -.01 | 1.2 | 84.9 | 1.9 | 91.9 | 2.9 | 93.6 |
| 04:05 | .5 | 149.2 | .09 | 1.4 | 92.2 | 2.2 | 91.6 | 2.8 | 98.8 |
| 04:10 | .5 | 106.8 | .00 | 1.4 | 89.4 | 2.2 | 88.3 | 2.6 | 99.7 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_WS120m | 18_WD120m | 19_WS140m | 20_WD140m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | M/SEC | DEGC | M/SEC | DEGC |
| 04:15 | 1.0 | 77.5 | .09 | 2.2 | 89.0 | 2.3 | 90.3 | 3.0 | 101.7 |
| 04:20 | .9 | 67.1 | -.03 | 1.8 | 79.2 | 2.2 | 85.9 | 2.7 | 98.3 |
| 04:25 | .7 | 67.2 | -.03 | 1.4 | 84.4 | 2.0 | 97.1 | 2.5 | 112.8 |
| 04:30 | .5 | 81.4 | -.03 | 1.2 | 95.4 | 2.0 | 100.0 | 2.3 | 122.2 |
| 04:35 | .8 | 73.3 | -.06 | 1.7 | 87.7 | 2.2 | 99.3 | 2.4 | 131.7 |
| 04:40 | 1.8 | 55.6 | -.02 | 2.6 | 73.5 | 2.8 | 90.5 | 2.6 | 116.5 |
| 04:45 | 2.6 | 63.5 | -.07 | 3.1 | 64.4 | 3.7 | 74.1 | 3.4 | 86.1 |
| 04:50 | 3.1 | 122.3 | -.01 | 3.5 | 119.3 | 4.5 | 124.7 | 4.9 | 137.9 |
| 04:55 | 2.7 | 43.9 | -.07 | 3.0 | 59.4 | 3.8 | 78.9 | 3.5 | 96.5 |
| 05:00 | 2.4 | 36.1 | .03 | 2.6 | 50.0 | 3.0 | 70.4 | 2.7 | 97.5 |
| 05:05 | .8 | 25.3 | -.10 | 1.4 | 50.5 | 1.6 | 76.3 | 2.2 | 100.2 |
| 05:10 | .5 | 295.6 | .08 | .6 | 58.5 | .8 | 139.4 | 1.3 | 126.4 |
| 05:15 | .5 | 231.1 | .04 | .5 | 90.1 | .8 | 145.0 | 1.5 | 112.5 |
| 05:20 | .9 | 220.5 | .03 | .5 | 157.8 | 1.1 | 131.9 | 1.7 | 115.9 |
| 05:25 | .5 | 214.7 | -.02 | .5 | 128.8 | 1.1 | 115.1 | 1.6 | 112.2 |
| 05:30 | 1.2 | 197.0 | .08 | 1.3 | 163.9 | 1.6 | 131.9 | 1.9 | 131.5 |
| 05:35 | 1.1 | 179.5 | .12 | 1.5 | 139.0 | 1.7 | 134.7 | 2.5 | 115.1 |
| 05:40 | .8 | 160.0 | .07 | 1.2 | 132.5 | 1.6 | 118.3 | 2.5 | 102.8 |
| 05:45 | .7 | 100.1 | .01 | 1.4 | 84.1 | 1.6 | 79.3 | 2.8 | 85.0 |
| 05:50 | 1.1 | 73.5 | .03 | 1.6 | 64.4 | 1.9 | 65.6 | 2.5 | 78.0 |
| 05:55 | 1.9 | 59.7 | .02 | 2.6 | 66.0 | 3.2 | 77.3 | 3.9 | 87.1 |
| 06:00 | 1.6 | 29.7 | .45 | 2.4 | 46.4 | 2.5 | 57.0 | 3.4 | 79.1 |
| 06:05 | 1.1 | 1.4 | -.18 | 1.8 | 37.2 | 2.5 | 54.1 | 3.3 | 70.6 |
| 06:10 | 1.4 | 39.6 | .17 | 2.5 | 47.3 | 2.8 | 58.6 | 3.6 | 76.6 |
| 06:15 | 1.3 | 40.5 | -.03 | 2.0 | 50.3 | 2.3 | 59.4 | 2.7 | 66.4 |
| 06:20 | 1.8 | 51.5 | .03 | 2.1 | 68.5 | 2.4 | 76.7 | 2.9 | 71.4 |
| 06:25 | 2.3 | 52.5 | .00 | 2.5 | 69.3 | 2.6 | 69.4 | 3.3 | 66.6 |
| 06:30 | 2.9 | 52.3 | -.09 | 3.0 | 57.7 | 2.8 | 61.5 | 3.0 | 65.3 |
| 06:35 | 2.2 | 62.5 | -.18 | 2.5 | 70.4 | 2.7 | 80.9 | 3.6 | 156.9 |
| 06:40 | 1.4 | 63.3 | -.13 | 1.0 | 20.1 | 1.1 | 110.0 | 5.5 | 169.5 |
| 06:45 | 1.4 | 63.3 | -.05 | 1.9 | 60.3 | 2.2 | 63.8 | 2.4 | 81.3 |
| 06:50 | 2.3 | 57.1 | -.06 | 2.9 | 64.7 | 3.4 | 67.2 | 3.5 | 76.9 |
| 06:55 | 2.3 | 68.0 | -.17 | 2.9 | 66.3 | 3.7 | 66.2 | 4.1 | 75.7 |
| 07:00 | 3.6 | 68.8 | -.20 | 4.3 | 70.1 | 5.0 | 75.0 | 5.3 | 91.5 |
| 07:05 | 3.8 | 79.0 | -.27 | 5.0 | 79.6 | 5.7 | 80.8 | 5.7 | 80.4 |
| 07:10 | 3.9 | 78.2 | -.25 | 5.2 | 76.6 | 6.3 | 75.2 | 6.7 | 76.4 |
| 07:15 | 4.3 | 75.3 | -.27 | 5.3 | 75.6 | 6.5 | 73.8 | 7.9 | 73.9 |
| 07:20 | 3.1 | 108.8 | -.16 | 3.6 | 97.8 | 4.3 | 92.6 | 5.2 | 89.6 |
| 07:25 | 1.8 | 41.8 | .10 | 2.5 | 60.8 | 3.6 | 67.6 | 4.5 | 70.7 |
| 07:30 | 2.9 | 62.7 | .09 | 3.8 | 69.8 | 4.5 | 72.3 | 5.4 | 73.5 |
| 07:35 | 3.2 | 63.3 | -.02 | 4.1 | 67.5 | 5.1 | 70.8 | 6.2 | 73.0 |
| 07:40 | 3.8 | 70.3 | -.19 | 4.6 | 74.0 | 5.6 | 75.1 | 6.8 | 74.4 |
| 07:45 | 3.5 | 75.0 | -.26 | 4.4 | 73.2 | 5.2 | 72.8 | 6.2 | 73.2 |
| 07:50 | 2.0 | 58.2 | -.06 | 3.1 | 70.6 | 4.0 | 72.5 | 4.7 | 73.0 |
| 07:55 | 2.0 | 79.1 | .00 | 3.1 | 80.1 | 4.0 | 79.0 | 4.7 | 78.4 |
| 08:00 | 2.3 | 86.7 | -.10 | 2.9 | 83.5 | 3.5 | 79.9 | 4.3 | 77.4 |
| 08:05 | 1.5 | 83.3 | -.03 | 2.3 | 81.7 | 2.9 | 81.2 | 3.5 | 81.7 |
| 08:10 | 2.8 | 87.0 | .03 | 3.3 | 84.1 | 4.1 | 84.0 | 5.1 | 83.7 |
| 08:15 | 2.4 | 80.5 | -.01 | 3.1 | 82.5 | 3.9 | 84.6 | 4.9 | 82.6 |
| 08:20 | 1.7 | 76.7 | -.05 | 2.3 | 86.0 | 3.2 | 84.0 | 4.4 | 83.7 |
| 08:25 | 2.5 | 76.6 | -.12 | 3.3 | 82.7 | 4.0 | 83.7 | 5.3 | 82.2 |
| 08:30 | 3.0 | 78.5 | -.29 | 3.9 | 81.8 | 5.1 | 79.3 | 6.4 | 76.4 |
| 08:35 | 2.5 | 77.4 | -.27 | 3.2 | 80.0 | 4.5 | 79.5 | 6.0 | 78.9 |
| 08:40 | 1.9 | 84.7 | -.27 | 3.0 | 87.1 | 3.8 | 82.5 | 5.0 | 79.0 |
| 08:45 | 1.8 | 36.3 | -.21 | 2.0 | 51.2 | 2.9 | 70.0 | 4.0 | 71.9 |
| 08:50 | 2.7 | 61.8 | -.15 | 3.2 | 68.9 | 3.7 | 72.3 | 4.5 | 74.2 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_WS120m | 18_WD120m | 19_WS140m | 20_WD140m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | M/SEC | DEGC | M/SEC | DEGC |
| 08:55 | 3.3 | 66.2 | .05 | 3.9 | 68.0 | 4.4 | 68.7 | 5.2 | 69.1 |
| 09:00 | 2.8 | 74.1 | -.07 | 3.7 | 76.5 | 4.6 | 76.5 | 5.4 | 76.9 |
| 09:05 | 2.4 | 87.1 | -.23 | 2.9 | 86.9 | 3.8 | 85.9 | 4.6 | 83.9 |
| 09:10 | 3.7 | 69.7 | -.13 | 4.5 | 71.6 | 5.3 | 73.2 | 6.0 | 73.2 |
| 09:15 | 2.1 | 94.4 | -.37 | 2.9 | 90.9 | 3.8 | 90.7 | 4.8 | 90.2 |
| 09:20 | 4.3 | 82.7 | -.03 | 5.6 | 83.4 | 6.6 | 83.8 | 7.6 | 85.8 |
| 09:25 | 3.7 | 78.1 | .09 | 4.8 | 79.4 | 5.9 | 79.9 | 6.9 | 82.4 |
| 09:30 | 3.6 | 66.1 | -.06 | 4.2 | 70.1 | 5.0 | 75.1 | 6.1 | 78.4 |
| 09:35 | 2.7 | 69.1 | -.04 | 3.3 | 68.9 | 4.1 | 70.2 | 5.0 | 74.5 |
| 09:40 | 2.1 | 60.2 | -.05 | 2.4 | 64.9 | 3.0 | 66.8 | 3.8 | 70.2 |
| 09:45 | 1.8 | 53.6 | -.14 | 2.4 | 60.6 | 3.1 | 66.4 | 3.8 | 69.8 |
| 09:50 | 1.6 | 52.2 | -.02 | 2.3 | 59.7 | 3.1 | 66.0 | 3.8 | 69.9 |
| 09:55 | 1.7 | 62.9 | -.01 | 2.4 | 72.6 | 2.8 | 77.1 | 3.3 | 79.4 |
| 10:00 | 1.4 | 45.1 | -.15 | 1.8 | 57.8 | 2.2 | 65.9 | 2.7 | 67.5 |
| 10:05 | 1.3 | 35.9 | -.13 | 1.6 | 47.8 | 2.1 | 58.2 | 3.0 | 63.7 |
| 10:10 | 1.3 | 18.5 | -.02 | 1.3 | 35.4 | 1.7 | 50.8 | 2.3 | 61.9 |
| 10:15 | 1.9 | 55.5 | .12 | 2.6 | 58.3 | 3.1 | 62.0 | 3.6 | 65.4 |
| 10:20 | 1.9 | 54.2 | .09 | 2.3 | 64.2 | 2.9 | 65.4 | 3.5 | 70.7 |
| 10:25 | 2.0 | 51.0 | -.08 | 2.5 | 54.7 | 2.8 | 61.1 | 3.3 | 67.1 |
| 10:30 | 2.4 | 44.0 | -.03 | 2.5 | 54.1 | 2.6 | 58.7 | 2.9 | 64.2 |
| 10:35 | 2.3 | 45.4 | .04 | 2.2 | 48.3 | 2.4 | 52.1 | 2.7 | 57.4 |
| 10:40 | 1.2 | 59.3 | -.46 | 1.3 | 57.4 | 1.7 | 54.1 | 2.0 | 61.6 |
| 10:45 | 1.3 | 40.7 | -.01 | 1.6 | 46.4 | 1.8 | 60.0 | 2.1 | 71.6 |
| 10:50 | 1.2 | 33.1 | -.02 | 1.3 | 42.6 | 1.5 | 57.6 | 1.9 | 71.4 |
| 10:55 | 1.6 | 29.1 | .02 | 1.5 | 41.7 | 1.7 | 63.5 | 2.2 | 75.2 |
| 11:00 | 2.1 | 56.3 | -.07 | 2.3 | 61.6 | 2.6 | 67.4 | 2.9 | 73.6 |
| 11:05 | 2.7 | 53.4 | .06 | 2.8 | 57.5 | 2.9 | 64.0 | 3.1 | 68.7 |
| 11:10 | 2.3 | 35.2 | -.11 | 2.2 | 40.8 | 2.3 | 50.8 | 2.4 | 63.3 |
| 11:15 | 2.6 | 28.5 | .04 | 2.5 | 30.4 | 2.3 | 36.7 | 2.2 | 46.9 |
| 11:20 | 2.8 | 40.6 | -.11 | 2.9 | 48.4 | 2.9 | 53.2 | 2.9 | 58.6 |
| 11:25 | 2.7 | 47.7 | -.20 | 2.9 | 52.5 | 3.2 | 58.8 | 3.4 | 65.9 |
| 11:30 | 2.8 | 42.7 | -.06 | 2.8 | 51.7 | 2.9 | 57.9 | 3.1 | 64.1 |
| 11:35 | 3.0 | 47.5 | .00 | 3.0 | 52.8 | 3.1 | 57.6 | 3.2 | 60.4 |
| 11:40 | 3.2 | 53.6 | .04 | 3.5 | 52.3 | 3.5 | 55.9 | 3.6 | 58.6 |
| 11:45 | 2.6 | 42.3 | -.08 | 2.8 | 46.8 | 3.1 | 54.9 | 3.3 | 60.2 |
| 11:50 | 3.3 | 52.1 | 2.27 | 3.3 | 55.1 | 3.5 | 58.3 | 3.8 | 64.4 |
| 11:55 | 2.3 | 36.2 | .35 | 2.3 | 40.9 | 2.4 | 46.5 | 2.4 | 50.6 |
| 12:00 | 2.6 | 44.0 | -.18 | 2.9 | 51.5 | 3.1 | 55.0 | 3.1 | 58.2 |
| 12:05 | 2.4 | 39.5 | -.17 | 2.9 | 40.7 | 2.9 | 44.5 | 2.8 | 49.4 |
| 12:10 | 1.6 | 358.8 | .00 | 1.6 | 11.8 | 1.6 | 26.1 | 1.4 | 46.3 |
| 12:15 | .9 | 293.9 | -.58 | .9 | 291.7 | .8 | 311.7 | .5 | 326.5 |
| 12:20 | 1.5 | 310.0 | -.27 | 1.4 | 313.6 | 1.2 | 325.8 | .9 | 57.2 |
| 12:25 | 1.4 | 261.7 | -.31 | 1.2 | 254.2 | 1.3 | 207.8 | 1.8 | 184.7 |
| 12:30 | 1.7 | 262.3 | -.17 | 1.7 | 265.3 | 1.8 | 270.6 | 1.7 | 268.6 |
| 12:35 | 1.1 | 274.6 | .38 | 1.2 | 294.3 | 1.1 | 301.6 | .9 | 322.5 |
| 12:40 | .7 | 332.5 | -.25 | .7 | 317.5 | .8 | 299.3 | .9 | 311.7 |
| 12:45 | 2.0 | 284.4 | -.18 | 2.1 | 282.7 | 1.9 | 279.3 | 1.8 | 279.4 |
| 12:50 | 1.6 | 264.4 | -.02 | 1.5 | 266.1 | 1.5 | 262.6 | 1.4 | 252.2 |
| 12:55 | .8 | 267.4 | -.04 | .8 | 267.8 | .7 | 239.4 | .8 | 213.4 |
| 13:00 | .5 | 270.3 | -.16 | .6 | 273.4 | .7 | 273.9 | .6 | 283.9 |
| 13:05 | .8 | 311.7 | -.21 | .9 | 314.0 | .9 | 322.0 | .9 | 332.6 |
| 13:10 | 1.1 | 282.0 | -.09 | 1.0 | 293.7 | 1.0 | 293.9 | .9 | 296.7 |
| 13:15 | 1.8 | 259.7 | 1.07 | 1.6 | 265.8 | 1.4 | 265.5 | 1.3 | 268.7 |
| 13:20 | 2.4 | 241.7 | 2.53 | 2.1 | 248.3 | 1.8 | 249.7 | 1.6 | 244.0 |
| 13:25 | 4.3 | 253.0 | 3.49 | 4.1 | 256.5 | 3.8 | 258.9 | 3.6 | 258.1 |
| 13:30 | 4.2 | 244.9 | 1.72 | 3.9 | 244.4 | 4.0 | 239.9 | 4.1 | 233.6 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_WS120m | 18_WD120m | 19_WS140m | 20_WD140m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | M/SEC | DEGC | M/SEC | DEGC |
| 13:35 | 4.6 | 238.8 | .87 | 4.6 | 238.1 | 4.6 | 234.7 | 4.9 | 229.2 |
| 13:40 | 4.7 | 250.5 | 2.76 | 4.9 | 247.0 | 5.2 | 239.4 | 5.7 | 230.1 |
| 13:45 | 1.3 | 270.4 | .23 | 1.9 | 255.3 | 2.4 | 248.2 | 3.1 | 244.3 |
| 13:50 | 1.3 | 300.3 | -.08 | 1.6 | 291.0 | 2.1 | 275.7 | 2.5 | 262.3 |
| 13:55 | 1.1 | 17.2 | -.08 | 1.0 | 6.8 | 1.0 | 318.9 | 1.5 | 278.7 |
| 14:00 | 2.2 | 275.0 | .55 | 2.4 | 270.5 | 2.7 | 266.0 | 3.0 | 259.3 |
| 14:05 | 2.0 | 261.5 | .57 | 2.0 | 268.6 | 2.2 | 269.3 | 2.8 | 270.3 |
| 14:10 | 2.1 | 317.3 | .04 | 2.5 | 308.6 | 2.6 | 297.8 | 3.1 | 284.8 |
| 14:15 | 2.0 | 321.1 | -.04 | 2.1 | 304.3 | 2.1 | 287.4 | 2.2 | 272.0 |
| 14:20 | 1.5 | 305.9 | -.03 | 1.8 | 284.9 | 2.2 | 269.0 | 2.6 | 258.2 |
| 14:25 | 1.8 | 313.8 | .16 | 1.5 | 292.2 | 1.7 | 268.7 | 2.3 | 252.2 |
| 14:30 | 1.9 | 301.0 | .37 | 2.1 | 282.0 | 2.1 | 265.2 | 2.6 | 248.8 |
| 14:35 | 1.1 | 288.8 | .06 | 1.8 | 256.3 | 2.6 | 244.6 | 3.1 | 241.1 |
| 14:40 | .6 | 304.8 | -.05 | 1.1 | 250.1 | 1.5 | 239.0 | 2.1 | 237.3 |
| 14:45 | .9 | 312.3 | .05 | 1.2 | 278.3 | 1.7 | 261.4 | 2.2 | 254.5 |
| 14:50 | 1.2 | 277.5 | .03 | 1.7 | 263.4 | 2.2 | 257.7 | 2.5 | 254.3 |
| 14:55 | 1.7 | 286.7 | .09 | 1.7 | 280.3 | 1.7 | 269.9 | 2.1 | 267.5 |
| 15:00 | 1.8 | 275.0 | 1.16 | 2.3 | 275.1 | 2.8 | 272.2 | 3.0 | 270.8 |
| 15:05 | 2.0 | 268.7 | .77 | 2.5 | 263.4 | 2.9 | 263.9 | 3.2 | 264.6 |
| 15:10 | 1.5 | 262.0 | .11 | 1.9 | 261.8 | 2.2 | 266.3 | 2.2 | 268.0 |
| 15:15 | 2.0 | 273.3 | -.07 | 2.2 | 275.7 | 2.4 | 275.7 | 2.8 | 273.0 |
| 15:20 | 2.1 | 272.0 | -.03 | 2.1 | 272.3 | 2.2 | 269.2 | 2.6 | 265.8 |
| 15:25 | 2.1 | 266.3 | .45 | 2.0 | 263.0 | 2.0 | 258.4 | 2.1 | 253.9 |
| 15:30 | 2.2 | 262.9 | .31 | 2.4 | 264.0 | 2.8 | 262.5 | 3.1 | 261.6 |
| 15:35 | 4.1 | 257.4 | .60 | 4.5 | 258.6 | 4.8 | 260.3 | 5.3 | 261.8 |
| 15:40 | 4.8 | 261.4 | 2.31 | 5.4 | 262.0 | 6.0 | 262.7 | 6.4 | 262.8 |
| 15:45 | 3.5 | 262.4 | .94 | 4.0 | 262.0 | 4.4 | 263.0 | 4.8 | 262.4 |
| 15:50 | 4.0 | 266.5 | .92 | 4.6 | 267.6 | 5.0 | 267.6 | 5.5 | 265.2 |
| 15:55 | 4.4 | 271.0 | .94 | 4.8 | 270.1 | 5.0 | 267.7 | 5.3 | 265.3 |
| 16:00 | 3.4 | 271.0 | 1.21 | 4.0 | 269.4 | 4.5 | 267.9 | 5.0 | 265.3 |
| 16:05 | 2.8 | 265.7 | 1.13 | 3.4 | 267.9 | 3.8 | 267.5 | 4.2 | 265.7 |
| 16:10 | 1.8 | 274.8 | .76 | 2.4 | 272.2 | 3.0 | 270.1 | 3.6 | 267.7 |
| 16:15 | 1.6 | 297.7 | .92 | 2.2 | 285.7 | 2.9 | 281.2 | 3.3 | 277.7 |
| 16:20 | 1.1 | 308.7 | .73 | 1.7 | 290.9 | 2.4 | 286.3 | 3.0 | 281.9 |
| 16:25 | 1.7 | 316.7 | .88 | 2.1 | 308.8 | 2.4 | 297.2 | 2.7 | 288.8 |
| 16:30 | 2.0 | 305.0 | 1.76 | 2.4 | 294.6 | 2.9 | 286.7 | 3.1 | 282.8 |
| 16:35 | 1.4 | 318.7 | 1.69 | 1.4 | 307.8 | 1.8 | 289.8 | 2.0 | 278.9 |
| 16:40 | 1.5 | 324.4 | 1.38 | 1.8 | 312.7 | 1.7 | 301.1 | 1.8 | 288.7 |
| 16:45 | 1.5 | 344.9 | 1.22 | 1.5 | 326.4 | 1.6 | 310.9 | 1.6 | 297.6 |
| 16:50 | 1.4 | 340.6 | 1.25 | 1.6 | 327.7 | 1.6 | 308.3 | 1.8 | 289.2 |
| 16:55 | 1.5 | 322.3 | .94 | 1.6 | 307.6 | 1.7 | 292.3 | 2.0 | 278.2 |
| 17:00 | 1.2 | 322.3 | .88 | 1.3 | 302.7 | 1.5 | 291.4 | 1.5 | 281.2 |
| 17:05 | 1.9 | 308.6 | .92 | 2.2 | 298.7 | 2.1 | 294.9 | 2.0 | 286.1 |
| 17:10 | 1.7 | 308.5 | .92 | 2.1 | 293.1 | 2.5 | 283.8 | 2.4 | 277.2 |
| 17:15 | 1.7 | 329.0 | 1.18 | 2.0 | 312.5 | 2.2 | 297.6 | 2.2 | 289.1 |
| 17:20 | 1.6 | 342.5 | 1.59 | 1.7 | 319.1 | 1.6 | 304.9 | 1.2 | 294.8 |
| 17:25 | 1.4 | 355.0 | .95 | 1.4 | 333.3 | 1.2 | 304.7 | 1.0 | 283.0 |
| 17:30 | 1.3 | 32.5 | 1.85 | .6 | 356.7 | .5 | 258.4 | .8 | 196.9 |
| 17:35 | 1.1 | 320.4 | 1.30 | 1.0 | 290.2 | .8 | 263.2 | 1.1 | 249.6 |
| 17:40 | .9 | 14.8 | .91 | .7 | 315.5 | 1.0 | 244.0 | 1.6 | 224.5 |
| 17:45 | .8 | 295.3 | .20 | .8 | 259.6 | 1.2 | 223.4 | 1.8 | 216.3 |
| 17:50 | 1.7 | 265.6 | .87 | 2.1 | 250.9 | 2.4 | 238.6 | 2.7 | 233.5 |
| 17:55 | .8 | 283.6 | 1.39 | .9 | 267.4 | 1.0 | 245.0 | 1.4 | 224.5 |
| 18:00 | 1.0 | 19.5 | .80 | .7 | 349.6 | .7 | 271.4 | .9 | 195.3 |
| 18:05 | .7 | 51.5 | .03 | .7 | 154.7 | 1.5 | 175.3 | 2.2 | 172.0 |
| 18:10 | 1.8 | 59.9 | -.16 | 1.2 | 75.5 | 1.1 | 114.8 | 1.5 | 139.2 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_WS120m | 18_WD120m | 19_WS140m | 20_WD140m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | M/SEC | DEGC | M/SEC | DEGC |
| 18:15 | 2.2 | 44.0 | -.19 | 1.7 | 59.5 | 1.2 | 83.9 | 1.2 | 107.7 |
| 18:20 | 2.6 | 38.3 | -.06 | 2.3 | 44.0 | 1.8 | 55.7 | 1.7 | 86.7 |
| 18:25 | 3.0 | 44.4 | -.03 | 2.7 | 48.2 | 2.3 | 62.0 | 2.1 | 85.4 |
| 18:30 | 2.9 | 48.8 | -.20 | 2.5 | 55.4 | 2.0 | 70.1 | 1.9 | 90.9 |
| 18:35 | 1.8 | 14.0 | -.10 | 1.9 | 24.8 | 1.7 | 33.4 | 1.0 | 52.5 |
| 18:40 | 2.0 | 42.0 | .17 | 1.9 | 50.3 | 1.1 | 71.9 | 1.0 | 124.9 |
| 18:45 | 2.0 | 47.6 | .13 | 1.3 | 60.6 | .9 | 104.3 | 1.1 | 130.0 |
| 18:50 | 1.7 | 33.9 | -.07 | 1.4 | 47.6 | .8 | 81.8 | .8 | 115.4 |
| 18:55 | 1.1 | 25.0 | .11 | 1.4 | 28.4 | .8 | 46.6 | .6 | 133.8 |
| 19:00 | 1.3 | 22.3 | .01 | 1.2 | 24.6 | .6 | 34.2 | .4 | 119.5 |
| 19:05 | 1.5 | 10.9 | -.08 | 1.3 | 17.6 | 1.2 | 23.1 | .6 | 14.5 |
| 19:10 | 1.5 | 28.8 | -.04 | 1.3 | 30.5 | 1.3 | 32.9 | .8 | 24.6 |
| 19:15 | 1.9 | 33.2 | .01 | 1.6 | 40.9 | 1.8 | 39.1 | 1.6 | 43.0 |
| 19:20 | 2.4 | 37.9 | -.12 | 2.3 | 35.8 | 2.3 | 35.5 | 2.2 | 49.9 |
| 19:25 | 2.2 | 37.4 | -.07 | 2.1 | 31.9 | 2.4 | 44.0 | 2.2 | 47.5 |
| 19:30 | 1.8 | 32.9 | -.14 | 1.4 | 29.3 | 1.8 | 36.3 | 2.2 | 42.6 |
| 19:35 | 1.6 | 33.2 | -.35 | 2.1 | 16.3 | 1.4 | 22.7 | 1.7 | 30.9 |
| 19:40 | 1.9 | 33.5 | -.06 | 1.9 | 38.5 | 2.6 | 42.5 | 2.8 | 42.4 |
| 19:45 | 2.3 | 40.3 | -.25 | 2.4 | 42.4 | 3.0 | 42.2 | 3.5 | 42.2 |
| 19:50 | 2.8 | 42.9 | -.22 | 3.1 | 42.1 | 3.3 | 42.0 | 3.6 | 43.4 |
| 19:55 | 3.4 | 51.6 | -.12 | 3.5 | 48.0 | 3.8 | 48.1 | 4.0 | 48.7 |
| 20:00 | 4.1 | 52.6 | -.10 | 4.4 | 48.8 | 4.6 | 49.3 | 4.3 | 50.7 |
| 20:05 | 3.3 | 49.8 | -.15 | 3.9 | 47.1 | 4.5 | 46.7 | 4.4 | 48.0 |
| 20:10 | 2.4 | 24.8 | -.22 | 2.7 | 39.0 | 3.3 | 47.1 | 3.8 | 49.3 |
| 20:15 | 2.1 | 26.6 | -.07 | 2.3 | 28.7 | 2.7 | 35.4 | 3.2 | 40.2 |
| 20:20 | 2.3 | 39.5 | -.03 | 3.0 | 37.3 | 3.5 | 38.8 | 3.7 | 41.2 |
| 20:25 | 1.6 | 37.8 | -.10 | 2.5 | 40.5 | 3.4 | 42.0 | 3.5 | 44.6 |
| 20:30 | 1.5 | 41.8 | .01 | 2.2 | 47.7 | 2.5 | 40.7 | 3.2 | 43.8 |
| 20:35 | 1.8 | 53.0 | .06 | 1.9 | 46.4 | 2.2 | 40.2 | 2.7 | 40.2 |
| 20:40 | 1.6 | 55.0 | .73 | 2.0 | 46.5 | 2.0 | 43.0 | 2.8 | 41.7 |
| 20:45 | 1.7 | 65.5 | .46 | 1.9 | 49.6 | 2.4 | 44.4 | 2.9 | 42.0 |
| 20:50 | 1.9 | 58.8 | 1.29 | 2.3 | 49.6 | 2.8 | 41.7 | 3.0 | 39.9 |
| 20:55 | 1.5 | 55.7 | 1.11 | 1.9 | 46.4 | 2.3 | 29.6 | 2.5 | 24.3 |
| 21:00 | 2.5 | 48.0 | .39 | 2.6 | 45.8 | 2.9 | 37.0 | 3.0 | 37.5 |
| 21:05 | 2.7 | 42.4 | -.02 | 3.0 | 40.8 | 2.9 | 38.5 | 2.8 | 38.8 |
| 21:10 | 2.2 | 41.4 | -.13 | 2.5 | 41.5 | 2.7 | 46.8 | 2.7 | 48.0 |
| 21:15 | 1.8 | 38.9 | .86 | 2.1 | 33.7 | 2.3 | 46.0 | 2.5 | 46.3 |
| 21:20 | 1.6 | 263.5 | .45 | 1.3 | 288.6 | .9 | 356.0 | 1.5 | 354.5 |
| 21:25 | 2.4 | 271.2 | .02 | 2.1 | 280.4 | 1.9 | 304.5 | 2.8 | 352.5 |
| 21:30 | 1.1 | 272.3 | .03 | .9 | 222.5 | .6 | 281.8 | .8 | 65.8 |
| 21:35 | 1.0 | 24.2 | 1.08 | 1.1 | 26.9 | 1.4 | 40.7 | 2.2 | 46.7 |
| 21:40 | 1.4 | 64.0 | .56 | 1.9 | 65.7 | 2.6 | 62.6 | 3.3 | 61.9 |
| 21:45 | 2.0 | 62.7 | .02 | 2.5 | 63.7 | 3.0 | 62.3 | 3.4 | 60.9 |
| 21:50 | 2.2 | 71.5 | -.26 | 2.8 | 66.1 | 3.4 | 63.3 | 3.8 | 65.1 |
| 21:55 | .5 | 101.7 | .03 | 1.2 | 68.6 | 1.9 | 62.3 | 2.4 | 60.7 |
| 22:00 | .8 | 39.3 | -.02 | 1.1 | 52.2 | 1.7 | 55.8 | 2.3 | 55.6 |
| 22:05 | 1.2 | 31.0 | .03 | 1.5 | 45.6 | 2.1 | 52.6 | 2.9 | 58.8 |
| 22:10 | 1.3 | 15.2 | .15 | 1.8 | 33.9 | 2.3 | 46.9 | 3.1 | 53.5 |
| 22:15 | 1.3 | 36.0 | -.11 | 1.5 | 33.0 | 2.2 | 43.3 | 2.8 | 49.3 |
| 22:20 | 1.3 | 41.0 | .24 | 1.7 | 42.9 | 2.2 | 56.2 | 2.8 | 58.4 |
| 22:25 | 2.2 | 39.8 | .13 | 2.8 | 48.3 | 3.4 | 51.3 | 3.9 | 50.0 |
| 22:30 | 2.4 | 45.5 | .00 | 3.0 | 53.0 | 3.4 | 51.1 | 3.8 | 52.7 |
| 22:35 | 1.9 | 43.3 | -.05 | 2.6 | 51.4 | 3.0 | 48.2 | 3.5 | 53.3 |
| 22:40 | 1.6 | 46.6 | -.03 | 2.3 | 53.4 | 2.8 | 51.9 | 3.3 | 54.7 |
| 22:45 | 1.5 | 32.6 | .18 | 2.4 | 48.2 | 2.8 | 49.0 | 3.4 | 50.6 |
| 22:50 | 2.0 | 53.4 | -.03 | 2.5 | 55.3 | 2.8 | 54.7 | 3.5 | 57.1 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

10/28/2021

Interval: 005m

| | 21_WS160m | 22_WD160m | 23_WS180m | 24_WD180m | 25_WS200m | 26_WD200m | 27_WS220m | 28_WD220m | 29_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC |
| 00:00 | 3.8 | 71.0 | 4.2 | 77.7 | 4.3 | 85.6 | | | |
| 00:05 | 3.6 | 73.4 | 4.1 | 81.0 | 4.8 | 88.7 | | | |
| 00:10 | 3.5 | 72.1 | 4.1 | 81.7 | 4.4 | 91.0 | 5.7 | 99.2 | |
| 00:15 | 3.6 | 74.0 | 4.0 | 83.1 | 4.2 | 91.6 | 5.4 | 95.9 | |
| 00:20 | 3.8 | 71.3 | 4.2 | 81.6 | 4.6 | 90.3 | | | |
| 00:25 | 4.2 | 73.7 | 4.3 | 82.7 | 4.7 | 91.2 | | | |
| 00:30 | 4.3 | 74.0 | 4.7 | 82.4 | 4.7 | 91.3 | | | |
| 00:35 | 4.2 | 72.5 | 4.3 | 81.8 | 4.5 | 91.4 | | | |
| 00:40 | 4.4 | 74.8 | 4.7 | 84.2 | 4.9 | 94.9 | 6.6 | 102.1 | |
| 00:45 | 3.8 | 76.9 | 4.0 | 86.3 | 4.6 | 97.6 | 6.5 | 106.1 | |
| 00:50 | 3.8 | 76.6 | 4.1 | 85.3 | 4.5 | 95.5 | 5.8 | 103.8 | 6.4 |
| 00:55 | 4.1 | 76.9 | 4.4 | 85.6 | 4.9 | 97.4 | 5.8 | 105.7 | 6.9 |
| 01:00 | 4.0 | 75.2 | 4.1 | 83.2 | 4.7 | 95.7 | 5.3 | 106.8 | |
| 01:05 | 4.2 | 73.7 | 4.3 | 80.8 | 4.3 | 92.1 | 4.8 | 103.0 | |
| 01:10 | 4.1 | 68.9 | 4.2 | 75.0 | 4.4 | 85.1 | 4.7 | 99.8 | |
| 01:15 | 4.0 | 67.4 | 4.0 | 75.6 | 4.3 | 88.7 | | | |
| 01:20 | 3.9 | 71.8 | 4.0 | 80.0 | 4.2 | 89.2 | 4.3 | 101.8 | 4.4 |
| 01:25 | 3.8 | 73.6 | 4.0 | 83.9 | 4.1 | 95.4 | 4.1 | 104.0 | |
| 01:30 | 3.8 | 74.7 | 4.1 | 85.5 | 4.1 | 95.3 | 4.5 | 100.9 | |
| 01:35 | 3.7 | 81.2 | 3.9 | 91.7 | 4.0 | 101.5 | 4.2 | 107.8 | |
| 01:40 | 4.0 | 79.7 | 4.2 | 89.1 | 4.3 | 99.8 | | | |
| 01:45 | 4.1 | 77.3 | 4.4 | 85.5 | 4.3 | 96.3 | 5.0 | 101.6 | |
| 01:50 | 4.3 | 77.7 | 4.5 | 86.1 | 4.5 | 94.6 | 4.6 | 100.4 | |
| 01:55 | 4.1 | 80.7 | 4.4 | 89.5 | 4.4 | 98.8 | 4.8 | 105.2 | |
| 02:00 | 4.2 | 80.5 | 4.5 | 90.8 | 4.3 | 101.7 | | | |
| 02:05 | 4.2 | 78.1 | 4.4 | 87.3 | 4.2 | 101.0 | | | |
| 02:10 | 4.3 | 77.1 | 4.6 | 87.3 | 4.5 | 99.0 | | | |
| 02:15 | 4.5 | 76.7 | 4.8 | 84.0 | 5.1 | 91.9 | | | |
| 02:20 | 4.7 | 76.3 | 4.9 | 80.9 | 5.3 | 91.1 | 4.1 | 106.3 | |
| 02:25 | 4.5 | 80.5 | 4.7 | 87.8 | 5.0 | 101.2 | | | |
| 02:30 | 4.3 | 85.5 | 4.3 | 99.5 | 4.2 | 116.3 | | | |
| 02:35 | 4.2 | 91.0 | 4.2 | 110.4 | 3.8 | 130.3 | | | |
| 02:40 | 4.1 | 88.2 | 3.8 | 106.8 | 3.7 | 127.0 | | | |
| 02:45 | 3.9 | 92.4 | 3.8 | 114.5 | 3.5 | 137.3 | | | |
| 02:50 | 3.8 | 96.6 | 3.3 | 121.1 | | | | | |
| 02:55 | 4.0 | 88.4 | 3.6 | 108.9 | 3.3 | 128.0 | | | |
| 03:00 | 3.6 | 89.5 | 3.1 | 111.7 | 3.4 | 131.6 | | | |
| 03:05 | 3.3 | 95.3 | 2.9 | 122.0 | 3.1 | 145.5 | | | |
| 03:10 | 3.5 | 97.3 | 3.1 | 120.0 | 3.0 | 140.8 | | | |
| 03:15 | 3.8 | 85.6 | 3.2 | 106.3 | 3.3 | 120.1 | | | |
| 03:20 | 3.3 | 102.3 | 3.0 | 128.1 | 2.3 | 155.1 | | | |
| 03:25 | 3.8 | 139.4 | 4.2 | 154.8 | 5.4 | 173.7 | 4.9 | 183.9 | |
| 03:30 | 3.5 | 138.7 | 4.2 | 160.6 | 6.3 | 176.8 | 9.3 | 182.7 | 9.9 |
| 03:35 | 4.4 | 144.2 | 5.0 | 159.4 | 6.2 | 168.6 | 5.3 | 188.2 | |
| 03:40 | 3.6 | 138.3 | 3.4 | 150.9 | 3.8 | 170.9 | | | |
| 03:45 | 2.9 | 132.4 | 3.1 | 153.9 | 3.2 | 173.0 | | | |
| 03:50 | 2.9 | 118.2 | 3.0 | 142.6 | 2.4 | 164.9 | | | |
| 03:55 | 3.2 | 107.9 | 2.9 | 132.2 | 2.9 | 161.9 | 3.7 | 170.3 | |
| 04:00 | 2.8 | 115.8 | 2.6 | 140.3 | 3.2 | 158.3 | 3.8 | 164.7 | |
| 04:05 | 2.7 | 122.3 | 2.7 | 149.2 | 2.9 | 161.7 | | | |
| 04:10 | 2.5 | 124.5 | 2.6 | 145.7 | 3.2 | 171.3 | | | |

| | 21_WS160m | 22_WD160m | 23_WS180m | 24_WD180m | 25_WS200m | 26_WD200m | 27_WS220m | 28_WD220m | 29_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC |
| 04:15 | 2.8 | 125.1 | 2.8 | 147.6 | 3.4 | 174.2 | | | |
| 04:20 | 2.6 | 124.1 | 2.7 | 147.7 | 3.2 | 171.1 | 3.3 | 180.5 | |
| 04:25 | 2.6 | 139.9 | 2.9 | 159.2 | 3.4 | 174.2 | | | 4.7 |
| 04:30 | 2.5 | 143.7 | 2.9 | 159.8 | 3.4 | 169.0 | 3.7 | 176.4 | |
| 04:35 | 2.7 | 148.2 | 3.1 | 161.9 | 3.7 | 170.2 | 4.2 | 171.6 | |
| 04:40 | 2.7 | 134.6 | 3.0 | 149.3 | 3.2 | 162.9 | 3.8 | 173.0 | |
| 04:45 | 2.7 | 103.2 | 3.0 | 135.0 | 3.3 | 149.3 | | | |
| 04:50 | 4.4 | 140.4 | 3.9 | 148.4 | 4.5 | 166.4 | 5.4 | 175.9 | |
| 04:55 | 3.2 | 112.0 | 3.1 | 123.3 | 3.0 | 130.4 | | | |
| 05:00 | 2.3 | 114.0 | 2.3 | 127.5 | 2.4 | 135.6 | 2.6 | 141.5 | |
| 05:05 | 2.2 | 119.0 | 2.4 | 131.6 | 2.5 | 141.0 | 2.6 | 145.2 | |
| 05:10 | 1.9 | 120.7 | 2.0 | 142.3 | 2.3 | 159.1 | 2.5 | 171.3 | 3.8 |
| 05:15 | 1.9 | 130.6 | 2.1 | 157.6 | 2.4 | 165.2 | 2.9 | 164.7 | |
| 05:20 | 1.9 | 132.5 | 2.1 | 149.4 | 2.2 | 161.2 | | | |
| 05:25 | 1.9 | 123.0 | 2.1 | 137.9 | 2.2 | 153.9 | 2.2 | 162.5 | |
| 05:30 | 2.4 | 131.6 | 2.6 | 146.5 | 2.8 | 159.0 | | | |
| 05:35 | 2.7 | 121.6 | 2.6 | 143.5 | 2.9 | 156.5 | 3.0 | 169.6 | 4.0 |
| 05:40 | 2.4 | 112.8 | 2.1 | 137.0 | 2.4 | 156.4 | 3.7 | 169.6 | |
| 05:45 | 3.2 | 92.4 | 2.5 | 106.1 | 2.2 | 131.5 | 1.8 | 159.3 | |
| 05:50 | 2.9 | 90.9 | 2.4 | 107.5 | 2.1 | 129.9 | 2.2 | 145.8 | 2.8 |
| 05:55 | 3.5 | 90.2 | 2.8 | 101.8 | 2.4 | 117.0 | 3.0 | 134.5 | |
| 06:00 | 3.6 | 85.3 | 3.1 | 90.1 | 2.4 | 99.2 | 2.0 | 108.6 | 1.9 |
| 06:05 | 3.5 | 81.6 | 3.2 | 83.8 | 2.9 | 93.9 | 2.6 | 105.1 | |
| 06:10 | 4.0 | 84.3 | 3.9 | 81.3 | 2.9 | 87.1 | 2.3 | 100.2 | 1.4 |
| 06:15 | 3.2 | 71.1 | 3.2 | 70.5 | 2.7 | 83.0 | 1.9 | 95.3 | |
| 06:20 | 3.5 | 71.3 | 3.3 | 73.6 | 2.7 | 81.5 | 2.4 | 92.6 | 6.7 |
| 06:25 | 4.0 | 71.3 | 3.0 | 71.2 | 2.0 | 71.3 | 2.1 | 156.5 | 8.3 |
| 06:30 | 4.2 | 74.1 | 4.6 | 96.0 | 4.6 | 125.8 | 3.4 | 141.9 | 4.3 |
| 06:35 | 7.2 | 175.0 | 11.8 | 182.4 | 12.4 | 186.8 | 10.7 | 186.7 | 7.2 |
| 06:40 | 9.8 | 165.8 | 12.9 | 169.1 | 12.8 | 175.1 | 9.7 | 180.9 | 7.9 |
| 06:45 | 3.4 | 136.9 | 7.0 | 168.5 | 10.6 | 182.2 | 12.4 | 189.6 | 13.1 |
| 06:50 | 4.1 | 122.3 | 5.7 | 155.5 | 6.7 | 172.5 | 8.3 | 181.3 | 8.6 |
| 06:55 | 5.3 | 127.6 | 8.2 | 158.8 | 8.9 | 170.0 | 8.1 | 172.6 | 7.1 |
| 07:00 | 5.5 | 114.5 | 5.2 | 129.6 | 4.8 | 144.2 | 7.0 | 164.5 | 8.4 |
| 07:05 | 5.3 | 83.1 | 4.8 | 91.4 | 4.4 | 96.7 | 4.0 | 118.2 | |
| 07:10 | 6.2 | 80.6 | 5.7 | 83.2 | 5.4 | 89.5 | 4.8 | 103.5 | |
| 07:15 | 8.1 | 73.8 | 6.4 | 72.8 | 5.1 | 82.6 | | | |
| 07:20 | 6.1 | 89.9 | 5.8 | 93.6 | 5.8 | 94.2 | | | |
| 07:25 | 5.4 | 74.1 | 6.0 | 74.9 | 5.8 | 70.1 | | | |
| 07:30 | 6.4 | 75.4 | 7.4 | 75.3 | 7.5 | 71.3 | | | |
| 07:35 | 7.3 | 73.1 | 7.5 | 69.8 | | | | | |
| 07:40 | 7.9 | 72.1 | 8.2 | 69.9 | 8.1 | 72.0 | | | |
| 07:45 | 7.3 | 72.5 | 8.0 | 69.6 | 7.7 | 66.5 | 5.8 | 64.1 | |
| 07:50 | 5.3 | 72.3 | 6.3 | 72.3 | 7.4 | 70.9 | 7.9 | 67.8 | |
| 07:55 | 5.5 | 78.0 | 6.3 | 77.7 | 7.0 | 75.4 | 8.0 | 72.6 | 8.8 |
| 08:00 | 5.3 | 74.0 | 6.5 | 72.9 | 7.7 | 71.0 | 8.0 | 66.6 | |
| 08:05 | 4.4 | 80.8 | 5.5 | 77.8 | 6.7 | 72.7 | 7.2 | 67.5 | |
| 08:10 | 6.3 | 81.7 | 7.5 | 77.8 | 8.4 | 73.8 | | | |
| 08:15 | 6.1 | 79.2 | 7.4 | 74.1 | 8.3 | 71.8 | 8.2 | 72.1 | |
| 08:20 | 5.7 | 79.5 | 7.2 | 73.7 | 8.0 | 67.2 | | | |
| 08:25 | 6.8 | 80.8 | 8.3 | 74.4 | 9.1 | 70.0 | | | |
| 08:30 | 7.9 | 75.2 | 9.0 | 72.8 | 9.6 | 71.6 | | | |
| 08:35 | 7.3 | 77.1 | 8.1 | 74.1 | 8.2 | 73.5 | 9.4 | 70.1 | |
| 08:40 | 6.4 | 76.3 | 7.9 | 75.2 | 8.7 | 74.3 | 9.5 | 74.7 | |
| 08:45 | 5.2 | 74.6 | 6.8 | 76.5 | 8.0 | 76.2 | 9.1 | 76.3 | |
| 08:50 | 5.4 | 74.2 | 6.5 | 74.5 | 7.8 | 76.8 | 9.0 | 77.4 | |

| | 21_WS160m | 22_WD160m | 23_WS180m | 24_WD180m | 25_WS200m | 26_WD200m | 27_WS220m | 28_WD220m | 29_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC |
| 08:55 | 6.1 | 71.3 | 7.3 | 74.3 | 8.4 | 75.9 | | | |
| 09:00 | 6.3 | 77.2 | 7.2 | 78.6 | 8.0 | 79.0 | 8.0 | 79.2 | |
| 09:05 | 5.2 | 84.2 | 6.0 | 83.7 | 6.7 | 83.5 | 7.4 | 82.8 | |
| 09:10 | 6.8 | 74.8 | 7.7 | 76.0 | 7.6 | 74.8 | | | |
| 09:15 | 5.9 | 90.1 | 6.9 | 89.8 | 7.3 | 87.8 | 7.6 | 91.2 | |
| 09:20 | 8.4 | 86.2 | 9.2 | 86.2 | 9.7 | 87.6 | | | |
| 09:25 | 7.9 | 84.1 | 9.0 | 84.3 | 9.5 | 86.2 | | | |
| 09:30 | 7.1 | 80.6 | 7.9 | 82.5 | 8.2 | 84.7 | 8.7 | 88.5 | |
| 09:35 | 6.0 | 76.8 | 7.0 | 78.5 | 8.0 | 79.9 | 10.1 | 81.4 | |
| 09:40 | 4.7 | 72.7 | 5.6 | 76.3 | 6.7 | 77.8 | 7.7 | 79.2 | 9.5 |
| 09:45 | 4.6 | 70.9 | 5.5 | 73.6 | 6.6 | 75.8 | 7.6 | 77.5 | 9.6 |
| 09:50 | 4.7 | 72.5 | 5.5 | 74.6 | 6.2 | 74.7 | 7.1 | 76.3 | 8.4 |
| 09:55 | 4.0 | 78.0 | 4.6 | 80.3 | 5.3 | 80.4 | 6.4 | 81.2 | 7.2 |
| 10:00 | 3.3 | 70.0 | 4.0 | 72.0 | 4.8 | 75.3 | 5.5 | 75.7 | 5.7 |
| 10:05 | 3.8 | 66.1 | 4.5 | 69.2 | 5.1 | 71.4 | 5.8 | 73.3 | 6.8 |
| 10:10 | 3.1 | 63.0 | 3.9 | 68.0 | 4.6 | 71.0 | 5.3 | 72.5 | 6.1 |
| 10:15 | 4.2 | 68.1 | 4.9 | 69.2 | 5.7 | 71.9 | 6.4 | 73.1 | 6.6 |
| 10:20 | 3.7 | 72.4 | 4.4 | 74.7 | 5.0 | 75.6 | 5.4 | 76.0 | 6.0 |
| 10:25 | 3.8 | 70.5 | 4.2 | 73.2 | 4.6 | 74.2 | 5.1 | 74.7 | 5.4 |
| 10:30 | 3.3 | 70.8 | 3.8 | 73.6 | 4.0 | 75.3 | 4.2 | 75.6 | 4.6 |
| 10:35 | 2.8 | 59.4 | 3.1 | 62.9 | 3.4 | 68.6 | 3.7 | 73.3 | 4.0 |
| 10:40 | 2.1 | 68.9 | 2.5 | 78.1 | 2.9 | 83.1 | 3.3 | 82.7 | 3.7 |
| 10:45 | 2.3 | 74.9 | 2.5 | 78.3 | 3.0 | 80.8 | 3.3 | 83.2 | 3.5 |
| 10:50 | 2.3 | 79.9 | 2.6 | 81.6 | 2.9 | 84.0 | 3.2 | 87.3 | 3.8 |
| 10:55 | 2.4 | 79.9 | 2.6 | 79.6 | 2.9 | 81.9 | 3.3 | 86.0 | 3.8 |
| 11:00 | 3.1 | 80.4 | 3.3 | 85.1 | 3.6 | 89.0 | 4.1 | 92.5 | 4.7 |
| 11:05 | 3.2 | 73.9 | 3.6 | 78.5 | 4.2 | 85.2 | 4.9 | 94.6 | 5.0 |
| 11:10 | 2.6 | 70.3 | 2.9 | 76.4 | 3.1 | 82.0 | 3.6 | 88.4 | 4.3 |
| 11:15 | 2.2 | 59.2 | 2.4 | 69.2 | 2.7 | 81.3 | 3.0 | 87.3 | 3.5 |
| 11:20 | 3.1 | 68.9 | 3.4 | 78.1 | 3.5 | 87.0 | 3.5 | 95.6 | 4.0 |
| 11:25 | 3.6 | 72.0 | 3.7 | 79.8 | 3.9 | 88.7 | 4.3 | 94.4 | 4.9 |
| 11:30 | 3.1 | 70.9 | 3.2 | 78.6 | 3.6 | 84.6 | 4.1 | 90.4 | 4.3 |
| 11:35 | 3.4 | 64.7 | 3.5 | 70.4 | 3.8 | 76.9 | 4.1 | 86.6 | 4.4 |
| 11:40 | 3.6 | 62.6 | 3.8 | 67.1 | 4.0 | 71.8 | 4.0 | 78.5 | 4.3 |
| 11:45 | 3.4 | 61.6 | 3.6 | 64.3 | 3.7 | 65.9 | 3.8 | 71.0 | 3.9 |
| 11:50 | 3.9 | 66.3 | 4.1 | 66.5 | 4.4 | 67.9 | 4.4 | 71.0 | 4.3 |
| 11:55 | 2.5 | 54.2 | 2.8 | 59.0 | 3.0 | 62.0 | 3.1 | 68.0 | 3.2 |
| 12:00 | 3.2 | 60.1 | 3.2 | 63.3 | 3.3 | 67.3 | 3.4 | 73.1 | 3.6 |
| 12:05 | 2.7 | 56.3 | 2.6 | 65.0 | 2.8 | 79.0 | 3.0 | 89.3 | 3.2 |
| 12:10 | 1.4 | 63.3 | 1.8 | 77.3 | 2.2 | 88.4 | 2.7 | 99.1 | 3.1 |
| 12:15 | .7 | 98.6 | 1.1 | 112.9 | 1.7 | 121.0 | 2.1 | 124.9 | 2.5 |
| 12:20 | 1.5 | 105.8 | 2.1 | 108.6 | 2.6 | 111.3 | 3.0 | 110.8 | 3.4 |
| 12:25 | 2.2 | 181.2 | 2.5 | 176.0 | 3.0 | 167.5 | 3.3 | 159.1 | 4.0 |
| 12:30 | 1.5 | 259.1 | 1.5 | 231.5 | 1.6 | 187.2 | 1.9 | 152.2 | 2.4 |
| 12:35 | .7 | 17.5 | .8 | 114.8 | 1.3 | 123.7 | 1.8 | 128.2 | 2.3 |
| 12:40 | .8 | 348.9 | 1.0 | 105.9 | 1.4 | 140.4 | 1.9 | 132.9 | 2.1 |
| 12:45 | 1.8 | 281.1 | 1.5 | 276.7 | 1.4 | 259.1 | 1.4 | 229.2 | 1.8 |
| 12:50 | 1.3 | 234.2 | 1.4 | 213.6 | 1.6 | 198.9 | 1.8 | 182.1 | 2.0 |
| 12:55 | .6 | 200.7 | .9 | 172.1 | 1.5 | 159.4 | 1.8 | 153.5 | 2.2 |
| 13:00 | .3 | 193.6 | .6 | 124.6 | 1.0 | 128.0 | 1.4 | 126.3 | 1.7 |
| 13:05 | .8 | 345.2 | .7 | 31.4 | .9 | 78.6 | 1.4 | 85.2 | 1.5 |
| 13:10 | .8 | 300.0 | .6 | 301.5 | .5 | 35.8 | .8 | 87.6 | 1.2 |
| 13:15 | 1.2 | 263.5 | .8 | 259.8 | .6 | 238.5 | .7 | 188.7 | .9 |
| 13:20 | 1.4 | 234.1 | 1.3 | 219.2 | 1.1 | 200.2 | 1.3 | 178.6 | 1.5 |
| 13:25 | 3.3 | 256.8 | 3.0 | 254.1 | 2.6 | 250.4 | 2.4 | 249.7 | 2.1 |
| 13:30 | 4.2 | 229.1 | 4.4 | 224.9 | 4.5 | 222.2 | 4.7 | 216.6 | 5.0 |

| | 21_WS160m | 22_WD160m | 23_WS180m | 24_WD180m | 25_WS200m | 26_WD200m | 27_WS220m | 28_WD220m | 29_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC |
| 13:35 | 5.3 | 225.1 | 5.6 | 221.5 | 6.2 | 217.9 | 6.8 | 214.5 | 7.2 |
| 13:40 | 6.0 | 224.7 | 6.3 | 219.9 | 7.0 | 216.5 | 7.2 | 213.5 | 7.3 |
| 13:45 | 3.6 | 234.5 | 4.2 | 223.2 | 4.6 | 219.6 | 5.0 | 218.0 | 5.6 |
| 13:50 | 3.1 | 253.9 | 3.6 | 241.8 | 4.2 | 231.1 | 4.6 | 222.2 | 5.4 |
| 13:55 | 2.0 | 260.4 | 2.8 | 250.7 | 3.6 | 238.3 | 4.5 | 231.3 | 5.2 |
| 14:00 | 3.7 | 255.1 | 4.2 | 250.3 | 4.8 | 245.1 | 5.5 | 240.4 | 6.0 |
| 14:05 | 3.6 | 267.0 | 4.4 | 258.5 | 4.9 | 249.7 | 5.4 | 243.0 | 6.0 |
| 14:10 | 3.8 | 270.5 | 4.5 | 258.7 | 5.1 | 249.6 | 5.8 | 242.4 | 6.2 |
| 14:15 | 2.9 | 257.8 | 3.6 | 247.6 | 4.2 | 241.8 | 5.0 | 238.7 | 5.6 |
| 14:20 | 2.8 | 247.3 | 3.4 | 237.5 | 4.3 | 230.1 | 5.3 | 228.2 | 6.3 |
| 14:25 | 3.0 | 244.8 | 3.9 | 236.3 | 4.7 | 230.1 | 5.4 | 226.4 | 6.2 |
| 14:30 | 3.5 | 241.1 | 4.4 | 235.0 | 5.2 | 230.6 | 6.1 | 228.5 | 7.1 |
| 14:35 | 3.7 | 237.1 | 4.2 | 233.9 | 4.8 | 231.6 | 5.8 | 230.5 | 6.9 |
| 14:40 | 2.6 | 235.2 | 3.5 | 233.5 | 4.4 | 232.1 | 5.3 | 231.7 | 6.1 |
| 14:45 | 2.7 | 244.9 | 3.4 | 241.5 | 4.1 | 240.6 | 5.1 | 238.0 | 6.2 |
| 14:50 | 2.7 | 249.1 | 3.3 | 246.1 | 3.8 | 244.0 | 4.4 | 243.2 | 5.0 |
| 14:55 | 2.7 | 263.5 | 3.3 | 261.9 | 3.8 | 259.3 | 4.2 | 257.5 | 4.7 |
| 15:00 | 3.0 | 270.3 | 3.2 | 269.3 | 3.2 | 268.2 | 3.5 | 264.4 | 3.8 |
| 15:05 | 3.4 | 264.9 | 3.4 | 264.1 | 3.3 | 260.4 | 3.5 | 256.2 | 4.0 |
| 15:10 | 2.5 | 265.9 | 2.9 | 262.2 | 3.4 | 258.5 | 4.0 | 253.2 | 4.4 |
| 15:15 | 3.3 | 270.6 | 3.8 | 266.0 | 4.3 | 259.3 | 4.7 | 251.8 | 5.3 |
| 15:20 | 3.2 | 262.8 | 3.9 | 260.5 | 4.5 | 255.6 | 5.1 | 250.6 | 5.6 |
| 15:25 | 2.6 | 254.5 | 3.2 | 257.8 | 3.9 | 259.0 | 4.7 | 256.4 | 5.2 |
| 15:30 | 3.5 | 262.7 | 4.2 | 264.2 | 4.8 | 263.1 | 5.4 | 262.0 | 5.9 |
| 15:35 | 5.7 | 262.9 | 6.0 | 263.2 | 6.4 | 263.2 | 6.8 | 261.6 | 7.1 |
| 15:40 | 6.8 | 262.6 | 7.0 | 261.4 | 7.4 | 258.9 | 7.9 | 255.9 | 7.9 |
| 15:45 | 5.4 | 262.7 | 6.1 | 262.2 | 6.3 | 259.3 | 6.4 | 254.9 | 6.3 |
| 15:50 | 5.9 | 262.1 | 6.1 | 257.5 | 6.2 | 253.6 | 6.2 | 250.3 | 6.2 |
| 15:55 | 5.7 | 261.7 | 6.0 | 257.3 | 6.2 | 253.6 | 6.3 | 250.3 | 6.4 |
| 16:00 | 5.5 | 263.3 | 5.9 | 260.7 | 6.1 | 257.2 | 6.3 | 253.9 | 6.4 |
| 16:05 | 4.7 | 262.6 | 5.2 | 259.6 | 5.7 | 257.4 | 6.0 | 254.5 | 5.8 |
| 16:10 | 4.1 | 265.3 | 4.7 | 262.1 | 5.2 | 259.4 | 5.6 | 256.8 | 5.9 |
| 16:15 | 3.5 | 272.8 | 4.1 | 269.8 | 4.7 | 266.2 | 5.3 | 264.8 | 5.6 |
| 16:20 | 3.3 | 280.2 | 3.6 | 276.8 | 4.0 | 272.4 | 4.6 | 267.1 | 5.1 |
| 16:25 | 3.0 | 279.7 | 3.3 | 270.9 | 3.8 | 265.8 | 4.2 | 263.2 | 4.6 |
| 16:30 | 3.4 | 277.3 | 3.7 | 273.1 | 3.9 | 266.3 | 4.3 | 258.9 | 5.0 |
| 16:35 | 2.1 | 267.9 | 2.3 | 261.5 | 2.4 | 252.7 | 2.8 | 240.4 | 3.6 |
| 16:40 | 1.9 | 277.7 | 2.1 | 269.2 | 2.5 | 257.7 | 2.9 | 249.9 | 3.5 |
| 16:45 | 1.9 | 282.4 | 2.4 | 270.8 | 2.8 | 260.8 | 3.5 | 250.2 | 4.1 |
| 16:50 | 1.9 | 276.3 | 2.2 | 262.8 | 2.7 | 252.1 | 3.2 | 244.0 | 3.9 |
| 16:55 | 2.0 | 268.6 | 2.0 | 256.8 | 2.3 | 248.7 | 2.5 | 229.6 | 2.9 |
| 17:00 | 1.6 | 267.9 | 1.8 | 244.6 | 2.2 | 232.9 | 2.9 | 220.9 | 3.7 |
| 17:05 | 2.0 | 273.2 | 2.0 | 258.1 | 2.2 | 245.3 | 2.7 | 233.9 | 3.4 |
| 17:10 | 2.3 | 268.6 | 2.4 | 260.2 | 2.4 | 247.8 | 2.8 | 237.3 | 3.1 |
| 17:15 | 2.1 | 280.8 | 2.1 | 272.2 | 2.2 | 257.0 | 2.4 | 243.4 | 2.7 |
| 17:20 | .9 | 259.8 | 1.4 | 237.5 | 1.5 | 215.7 | 1.9 | 201.1 | |
| 17:25 | 1.1 | 253.2 | 1.3 | 221.5 | 2.0 | 215.5 | 2.4 | 209.4 | 3.0 |
| 17:30 | 1.3 | 190.5 | 1.8 | 187.5 | 2.2 | 183.8 | 2.8 | 185.9 | 3.3 |
| 17:35 | 1.4 | 241.2 | 1.5 | 237.6 | 1.7 | 220.3 | 2.1 | 204.3 | 2.5 |
| 17:40 | 2.0 | 222.6 | 2.1 | 217.6 | | | | | |
| 17:45 | 2.3 | 209.9 | 2.7 | 205.0 | 3.2 | 202.8 | 3.8 | 196.6 | 4.8 |
| 17:50 | 3.0 | 230.4 | 3.5 | 229.0 | 3.9 | 229.8 | 4.5 | 230.4 | 5.0 |
| 17:55 | 1.6 | 212.6 | 2.1 | 204.0 | 2.6 | 199.4 | 3.0 | 194.3 | 3.6 |
| 18:00 | 1.7 | 169.3 | 2.3 | 147.5 | | | | | |
| 18:05 | 2.7 | 170.8 | 3.7 | 172.4 | 3.9 | 170.2 | | | |
| 18:10 | 2.1 | 148.5 | 2.8 | 154.1 | 3.9 | 154.3 | | | |

| | 21_WS160m | 22_WD160m | 23_WS180m | 24_WD180m | 25_WS200m | 26_WD200m | 27_WS220m | 28_WD220m | 29_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC | DEGC | M/SEC |
| 18:15 | 1.5 | 125.5 | 1.7 | 132.7 | 2.2 | 142.7 | | | |
| 18:20 | 1.8 | 112.6 | 2.2 | 125.6 | 2.5 | 137.3 | | | |
| 18:25 | 2.0 | 106.7 | 2.3 | 121.2 | 2.8 | 133.7 | | | |
| 18:30 | 2.1 | 102.5 | 2.5 | 114.8 | 2.9 | 125.8 | | | |
| 18:35 | .9 | 117.3 | 1.5 | 137.7 | 2.0 | 155.0 | | | |
| 18:40 | 1.3 | 143.7 | 1.6 | 152.0 | | | | | |
| 18:45 | 1.4 | 133.1 | 1.7 | 130.6 | | | | | |
| 18:50 | 1.0 | 130.6 | 1.7 | 150.4 | | | | | |
| 18:55 | .8 | 155.2 | 1.2 | 164.1 | 3.1 | 166.3 | | | |
| 19:00 | .5 | 182.6 | .8 | 192.3 | .9 | 174.9 | | | |
| 19:05 | .4 | 289.3 | .5 | 213.3 | .9 | 186.9 | | | |
| 19:10 | .5 | 16.7 | .5 | 204.6 | 1.4 | 196.7 | | | |
| 19:15 | 1.1 | 47.3 | .7 | 77.7 | .8 | 137.3 | | | |
| 19:20 | 1.6 | 59.7 | 1.3 | 82.5 | 1.2 | 111.8 | | | |
| 19:25 | 1.7 | 58.9 | 1.5 | 82.5 | 1.1 | 103.7 | | | |
| 19:30 | 1.7 | 49.1 | 1.1 | 55.2 | 1.5 | 42.7 | | | |
| 19:35 | | | | | | | | | |
| 19:40 | 2.6 | 44.1 | 1.8 | 53.3 | 1.2 | 80.2 | 1.2 | 105.8 | 1.4 |
| 19:45 | 3.0 | 42.7 | 2.1 | 46.8 | 1.3 | 60.8 | .9 | 100.3 | .8 |
| 19:50 | 3.1 | 47.6 | 2.4 | 50.5 | 1.8 | 55.5 | 1.6 | 61.9 | 1.3 |
| 19:55 | 3.5 | 51.9 | 3.0 | 53.0 | 2.5 | 54.2 | 2.1 | 62.0 | 1.5 |
| 20:00 | 3.9 | 53.1 | 3.4 | 54.2 | 3.1 | 54.8 | 2.4 | 56.7 | |
| 20:05 | 4.1 | 49.8 | 3.6 | 50.1 | 3.0 | 52.4 | 2.6 | 54.6 | |
| 20:10 | 4.3 | 47.3 | 4.2 | 47.3 | 3.8 | 47.8 | 3.6 | 48.8 | 3.2 |
| 20:15 | 3.6 | 42.2 | 3.7 | 45.2 | 3.5 | 48.8 | 3.4 | 52.4 | |
| 20:20 | 3.4 | 44.8 | 3.4 | 48.5 | 3.2 | 53.0 | 2.7 | 53.5 | 2.9 |
| 20:25 | 3.5 | 47.6 | 3.7 | 52.0 | 3.8 | 58.9 | 3.2 | 57.7 | |
| 20:30 | 3.6 | 49.6 | 3.5 | 50.4 | | | 4.7 | 63.8 | |
| 20:35 | 3.0 | 43.0 | 3.2 | 40.2 | 3.2 | 35.7 | 3.1 | 35.3 | 3.1 |
| 20:40 | 3.1 | 39.9 | 3.1 | 40.0 | 3.3 | 37.8 | 3.5 | 39.3 | 3.2 |
| 20:45 | 3.2 | 41.2 | 3.3 | 42.7 | 3.3 | 40.2 | 4.5 | 47.6 | |
| 20:50 | 3.2 | 42.3 | 3.1 | 44.1 | 2.9 | 46.3 | 2.6 | 52.2 | 2.5 |
| 20:55 | 2.5 | 26.4 | 2.6 | 32.7 | 2.4 | 36.9 | 2.1 | 43.4 | 2.0 |
| 21:00 | 3.0 | 40.8 | 3.0 | 44.4 | 3.0 | 51.6 | 3.0 | 55.2 | 3.0 |
| 21:05 | 2.9 | 45.2 | 3.2 | 51.3 | 3.1 | 56.3 | | | |
| 21:10 | 2.8 | 49.3 | 2.9 | 55.0 | 3.5 | 63.6 | | | |
| 21:15 | 2.4 | 46.6 | 2.5 | 56.3 | 2.6 | 63.4 | 2.7 | 69.0 | 2.7 |
| 21:20 | 1.7 | 359.0 | | | | | | | |
| 21:25 | | | | | | | | | |
| 21:30 | 2.3 | 53.9 | 2.3 | 40.3 | 2.1 | 43.6 | 1.5 | 48.3 | 1.3 |
| 21:35 | 2.8 | 55.3 | 2.9 | 47.7 | 2.6 | 44.9 | 2.4 | 43.5 | 1.9 |
| 21:40 | 3.6 | 61.6 | 3.3 | 63.6 | 2.7 | 68.0 | 2.3 | 76.7 | 2.2 |
| 21:45 | 3.6 | 62.5 | 3.4 | 66.4 | 3.3 | 72.4 | 2.8 | 90.7 | 3.3 |
| 21:50 | 4.0 | 63.6 | 3.6 | 64.4 | 2.9 | 68.8 | 2.2 | 75.4 | 2.7 |
| 21:55 | 3.1 | 62.0 | 3.6 | 61.9 | 3.2 | 61.1 | 2.9 | 67.4 | 2.3 |
| 22:00 | 3.1 | 58.9 | 3.7 | 61.5 | 3.2 | 62.4 | 3.0 | 63.0 | 2.5 |
| 22:05 | 3.7 | 58.1 | 3.9 | 59.6 | 3.2 | 63.4 | 3.0 | 65.7 | 2.8 |
| 22:10 | 4.1 | 53.7 | | | | | | | |
| 22:15 | | | | | | | | | |
| 22:20 | 3.6 | 55.4 | 3.8 | 61.0 | | | | | |
| 22:25 | 4.1 | 57.3 | 3.8 | 68.5 | 3.6 | 77.4 | 3.4 | 85.5 | |
| 22:30 | 4.0 | 63.9 | 3.5 | 73.1 | 3.2 | 82.6 | 3.5 | 89.5 | |
| 22:35 | 3.9 | 64.0 | 3.8 | 68.5 | 3.5 | 75.2 | | | |
| 22:40 | 3.8 | 62.0 | 4.1 | 71.0 | 3.7 | 78.1 | | | |
| 22:45 | | | | | | | | | |
| 22:50 | 4.5 | 58.5 | 4.5 | 63.5 | 4.1 | 69.6 | 3.9 | 78.5 | 3.6 |

| | 30_WD240m | 31_WS260m | 32_WD260m | 33_WS280m | 34_WD280m | 35_WS300m | 36_WD300m | 37_WS320m | 38_WD320m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 08:55 | | | | | | | | | |
| 09:00 | | | | | | | | | |
| 09:05 | | | | | | | | | |
| 09:10 | | | | | | | | | |
| 09:15 | | | | | | | | | |
| 09:20 | | | | | | | | | |
| 09:25 | | | | | | | | | |
| 09:30 | | | | | | | | | |
| 09:35 | | | | | | | | | |
| 09:40 | 83.3 | | | | | | | | |
| 09:45 | 81.0 | | | | | | | | |
| 09:50 | 79.0 | | | | | | | | |
| 09:55 | 82.9 | | | | | | | | |
| 10:00 | 76.9 | 7.3 | 82.4 | | | | | | |
| 10:05 | 74.0 | 7.1 | 73.3 | | | | | | |
| 10:10 | 73.7 | 7.6 | 78.4 | | | | | | |
| 10:15 | 76.5 | | | | | | | | |
| 10:20 | 79.3 | | | | | | | | |
| 10:25 | 78.4 | 5.4 | 84.6 | | | | | | |
| 10:30 | 76.7 | 5.5 | 78.8 | | | | | | |
| 10:35 | 75.9 | 4.3 | 78.0 | | | | | | |
| 10:40 | 83.3 | 4.3 | 83.4 | | | | | | |
| 10:45 | 85.4 | 3.3 | 87.8 | | | | | | |
| 10:50 | 91.0 | 4.8 | 100.6 | | | | | | |
| 10:55 | 91.0 | 4.6 | 104.5 | | | | | | |
| 11:00 | 101.7 | 4.7 | 118.4 | | | | | | |
| 11:05 | 105.2 | 6.7 | 117.2 | | | | | | |
| 11:10 | 98.7 | 4.3 | 104.9 | | | | | | |
| 11:15 | 94.5 | 4.5 | 100.2 | 3.9 | 105.0 | | | | |
| 11:20 | 101.2 | 4.3 | 108.2 | | | | | | |
| 11:25 | 101.4 | 5.4 | 108.8 | | | | | | |
| 11:30 | 98.9 | 4.5 | 113.6 | | | | | | |
| 11:35 | 98.8 | 4.9 | 106.9 | | | | | | |
| 11:40 | 84.5 | 4.4 | 89.7 | 5.1 | 97.3 | 5.3 | 106.0 | | |
| 11:45 | 73.6 | 4.1 | 78.1 | 4.0 | 88.9 | | | | |
| 11:50 | 76.0 | 4.2 | 73.0 | 5.0 | 75.6 | 5.7 | 79.9 | 6.4 | 99.6 |
| 11:55 | 71.9 | 3.0 | 76.9 | | | | | | |
| 12:00 | 77.2 | 3.6 | 83.2 | 3.7 | 93.1 | | | | |
| 12:05 | 96.6 | 3.9 | 103.0 | 4.2 | 106.0 | | | | |
| 12:10 | 107.5 | 3.8 | 111.5 | 4.1 | 114.7 | | | | |
| 12:15 | 125.1 | 3.3 | 122.0 | | | | | | |
| 12:20 | 106.5 | 3.7 | 112.2 | 4.6 | 116.3 | 6.0 | 114.6 | | |
| 12:25 | 154.8 | 4.8 | 147.9 | 4.6 | 135.0 | | | | |
| 12:30 | 151.0 | 2.9 | 142.7 | 3.5 | 136.2 | | | 4.1 | 144.2 |
| 12:35 | 136.0 | 2.9 | 140.0 | 3.6 | 130.8 | | | | |
| 12:40 | 127.6 | 2.4 | 128.9 | 3.2 | 130.5 | | | | |
| 12:45 | 191.6 | 2.1 | 175.3 | 2.0 | 167.4 | | | | |
| 12:50 | 160.5 | 2.6 | 167.4 | 3.4 | 166.1 | | | | |
| 12:55 | 144.0 | 1.6 | 152.0 | 3.1 | 137.3 | | | | |
| 13:00 | 128.7 | 1.7 | 144.4 | | | | | | |
| 13:05 | 96.2 | 1.9 | 105.7 | | | | | | |
| 13:10 | 101.0 | 1.4 | 117.0 | 1.0 | 139.4 | 1.0 | 144.5 | 1.2 | 131.1 |
| 13:15 | 196.5 | 1.0 | 197.2 | 1.2 | 195.7 | 1.4 | 195.3 | 1.4 | 231.9 |
| 13:20 | 177.6 | 1.6 | 181.1 | 1.8 | 189.8 | 1.9 | 180.8 | 2.0 | 186.6 |
| 13:25 | 244.6 | 2.2 | 242.5 | 2.0 | 248.5 | 1.8 | 231.2 | 1.8 | 219.2 |
| 13:30 | 212.4 | 5.3 | 207.2 | 5.5 | 202.1 | 5.9 | 199.1 | 6.0 | 196.0 |

| | 30_WD240m | 31_WS260m | 32_WD260m | 33_WS280m | 34_WD280m | 35_WS300m | 36_WD300m | 37_WS320m | 38_WD320m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 18:15 | | | | | | | | | |
| 18:20 | | | | | | | | | |
| 18:25 | | | | | | | | | |
| 18:30 | | | | | | | | | |
| 18:35 | | | | | | | | | |
| 18:40 | | | | | | | | | |
| 18:45 | | | | | | | | | |
| 18:50 | | | | | | | | | |
| 18:55 | | | | | | | | | |
| 19:00 | | | | | | | | | |
| 19:05 | | | | | | | | | |
| 19:10 | | | | | | | | | |
| 19:15 | | | | | | | | | |
| 19:20 | | | | | | | | | |
| 19:25 | | | | | | | | | |
| 19:30 | | | | | | | | | |
| 19:35 | | | | | | | | | |
| 19:40 | 128.9 | | | | | | | | |
| 19:45 | 116.8 | | | | | | | | |
| 19:50 | 83.3 | | | | | | | | |
| 19:55 | 62.3 | | | | | | | | |
| 20:00 | | | | | | | | | |
| 20:05 | | | | | | | | | |
| 20:10 | 50.3 | | | | | | | | |
| 20:15 | | | | | | | | | |
| 20:20 | 59.8 | | | | | | | | |
| 20:25 | | | | | | | | | |
| 20:30 | | | | | | | | | |
| 20:35 | 33.9 | 2.3 | 1.3 | | | | | | |
| 20:40 | 39.6 | 3.3 | 46.8 | 3.0 | 53.1 | 3.0 | 65.2 | | |
| 20:45 | | | | | | | | | |
| 20:50 | 57.2 | 2.5 | 64.2 | 2.6 | 71.2 | 2.9 | 74.0 | 3.1 | 83.8 |
| 20:55 | 47.3 | 2.1 | 56.0 | | | | | | |
| 21:00 | 57.7 | 3.0 | 66.3 | 3.4 | 65.6 | | | | |
| 21:05 | | | | | | | | | |
| 21:10 | | | | | | | | | |
| 21:15 | 79.0 | 3.0 | 91.4 | 3.1 | 101.3 | 3.2 | 112.8 | 3.3 | 119.0 |
| 21:20 | | | | | | | | | |
| 21:25 | | | | | | | | | |
| 21:30 | 53.6 | 1.0 | 95.6 | 1.0 | 104.7 | .9 | 121.1 | 1.0 | 135.7 |
| 21:35 | 42.9 | 1.4 | 58.0 | 1.4 | 94.1 | 1.4 | 132.6 | 1.4 | 156.5 |
| 21:40 | 88.6 | 2.1 | 99.5 | 2.4 | 117.7 | 2.9 | 128.9 | 3.5 | 138.7 |
| 21:45 | 106.3 | | | | | | | | |
| 21:50 | 84.2 | 2.4 | 131.2 | | | | | | |
| 21:55 | 74.9 | 2.1 | 90.5 | | | | | | |
| 22:00 | 73.4 | 2.8 | 80.9 | 2.0 | 90.2 | | | | |
| 22:05 | 69.8 | 2.2 | 87.5 | | | | | | |
| 22:10 | | | | | | | | | |
| 22:15 | | | | | | | | | |
| 22:20 | | | | | | | | | |
| 22:25 | | | | | | | | | |
| 22:30 | | | | | | | | | |
| 22:35 | | | | | | | | | |
| 22:40 | | | | | | | | | |
| 22:45 | | | | | | | | | |
| 22:50 | 86.4 | 3.4 | 99.9 | | | | | | |

Daily Summary Report

Site: Lidar "Q" (PAM35)

10/28/2021

Interval: 005m

| | 39_WS340m | 40_WD340m | 41_WS360m | 42_WD360m | 43_WS380m | 44_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | | | | | | |
| 00:05 | | | | | | |
| 00:10 | | | | | | |
| 00:15 | | | | | | |
| 00:20 | | | | | | |
| 00:25 | | | | | | |
| 00:30 | | | | | | |
| 00:35 | | | | | | |
| 00:40 | | | | | | |
| 00:45 | | | | | | |
| 00:50 | | | | | | |
| 00:55 | | | | | | |
| 01:00 | | | | | | |
| 01:05 | | | | | | |
| 01:10 | | | | | | |
| 01:15 | | | | | | |
| 01:20 | | | | | | |
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| 01:40 | | | | | | |
| 01:45 | | | | | | |
| 01:50 | | | | | | |
| 01:55 | | | | | | |
| 02:00 | | | | | | |
| 02:05 | | | | | | |
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| 02:30 | | | | | | |
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| 02:55 | | | | | | |
| 03:00 | | | | | | |
| 03:05 | | | | | | |
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| 03:40 | | | | | | |
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| 03:50 | | | | | | |
| 03:55 | | | | | | |
| 04:00 | | | | | | |
| 04:05 | | | | | | |
| 04:10 | | | | | | |

| | 39_WS340m | 40_WD340m | 41_WS360m | 42_WD360m | 43_WS380m | 44_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 04:15 | | | | | | |
| 04:20 | | | | | | |
| 04:25 | | | | | | |
| 04:30 | | | | | | |
| 04:35 | | | | | | |
| 04:40 | | | | | | |
| 04:45 | | | | | | |
| 04:50 | | | | | | |
| 04:55 | | | | | | |
| 05:00 | | | | | | |
| 05:05 | | | | | | |
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| 05:15 | | | | | | |
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| 05:25 | | | | | | |
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| 05:35 | | | | | | |
| 05:40 | | | | | | |
| 05:45 | | | | | | |
| 05:50 | | | | | | |
| 05:55 | | | | | | |
| 06:00 | | | | | | |
| 06:05 | | | | | | |
| 06:10 | | | | | | |
| 06:15 | | | | | 3.8 | 217.4 |
| 06:20 | | | | | | |
| 06:25 | | | | | | |
| 06:30 | | | | | | |
| 06:35 | | | | | | |
| 06:40 | | | | | | |
| 06:45 | | | | | | |
| 06:50 | | | | | | |
| 06:55 | | | | | | |
| 07:00 | | | | | | |
| 07:05 | | | | | | |
| 07:10 | | | | | | |
| 07:15 | | | | | | |
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| 07:25 | | | | | | |
| 07:30 | | | | | | |
| 07:35 | | | | | | |
| 07:40 | | | | | | |
| 07:45 | | | | | | |
| 07:50 | | | | | | |
| 07:55 | | | | | | |
| 08:00 | | | | | | |
| 08:05 | | | | | | |
| 08:10 | | | | | 2.0 | 155.4 |
| 08:15 | | | | | | |
| 08:20 | | | | | | |
| 08:25 | | | | | | |
| 08:30 | | | | | | |
| 08:35 | | | | | | |
| 08:40 | | | | | | |
| 08:45 | | | | | | |
| 08:50 | | | | | | |

| | 39_WS340m | 40_WD340m | 41_WS360m | 42_WD360m | 43_WS380m | 44_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 08:55 | | | | | | |
| 09:00 | | | | | | |
| 09:05 | | | | | | |
| 09:10 | | | | | | |
| 09:15 | | | | | | |
| 09:20 | | | | | | |
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| 09:35 | | | | | | |
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| 10:40 | | | | | | |
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| 10:50 | | | | | | |
| 10:55 | | | | | | |
| 11:00 | | | | | | |
| 11:05 | | | | | | |
| 11:10 | | | | | 2.0 | 155.9 |
| 11:15 | | | | | | |
| 11:20 | | | | | | |
| 11:25 | | | | | | |
| 11:30 | | | | | | |
| 11:35 | | | | | | |
| 11:40 | | | | | 5.2 | 144.1 |
| 11:45 | | | | | | |
| 11:50 | 7.1 | 108.0 | 7.6 | 115.9 | 6.2 | 140.6 |
| 11:55 | | | | | 1.5 | 149.9 |
| 12:00 | | | | | 2.0 | 103.0 |
| 12:05 | | | | | | |
| 12:10 | | | | | | |
| 12:15 | | | | | 1.3 | 125.8 |
| 12:20 | | | | | 2.2 | 103.2 |
| 12:25 | | | | | 1.1 | 145.1 |
| 12:30 | 5.1 | 142.4 | | | 3.3 | 163.0 |
| 12:35 | | | | | 2.8 | 160.8 |
| 12:40 | | | | | | |
| 12:45 | | | | | | |
| 12:50 | | | | | | |
| 12:55 | | | | | | |
| 13:00 | | | | | | |
| 13:05 | | | | | .8 | 173.1 |
| 13:10 | 2.1 | 128.2 | | | | |
| 13:15 | 1.7 | 189.1 | 2.2 | 194.1 | 1.6 | 191.6 |
| 13:20 | 2.3 | 188.8 | 2.7 | 190.9 | 2.3 | 170.9 |
| 13:25 | 2.4 | 212.1 | | | | |
| 13:30 | 6.2 | 196.6 | 6.3 | 195.6 | 5.0 | 191.2 |

| | 39_WS340m | 40_WD340m | 41_WS360m | 42_WD360m | 43_WS380m | 44_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 13:35 | 7.2 | 206.8 | 7.5 | 209.4 | 5.5 | 193.9 |
| 13:40 | 7.9 | 204.9 | 8.2 | 209.9 | 5.1 | 195.3 |
| 13:45 | | | | | | |
| 13:50 | | | | | | |
| 13:55 | | | | | | |
| 14:00 | | | | | 4.4 | 225.5 |
| 14:05 | | | | | | |
| 14:10 | | | | | | |
| 14:15 | | | | | | |
| 14:20 | | | | | | |
| 14:25 | 9.7 | 220.6 | 10.6 | 219.6 | 7.5 | 216.4 |
| 14:30 | 10.3 | 221.6 | | | 7.9 | 215.4 |
| 14:35 | | | | | | |
| 14:40 | | | | | 4.3 | 216.1 |
| 14:45 | | | | | | |
| 14:50 | | | | | 4.7 | 233.7 |
| 14:55 | 6.8 | 238.2 | 7.6 | 233.8 | 5.7 | 219.4 |
| 15:00 | 6.4 | 236.7 | 6.9 | 230.5 | 5.3 | 215.5 |
| 15:05 | 6.8 | 222.4 | 7.6 | 217.6 | 6.2 | 206.6 |
| 15:10 | | | | | | |
| 15:15 | | | | | 3.9 | 218.2 |
| 15:20 | 7.3 | 222.3 | 8.0 | 218.5 | 4.7 | 217.2 |
| 15:25 | 6.4 | 223.5 | 6.8 | 220.5 | 6.1 | 211.9 |
| 15:30 | | | | | 3.5 | 210.3 |
| 15:35 | 7.3 | 240.4 | 7.3 | 234.2 | 5.0 | 221.9 |
| 15:40 | 8.2 | 234.7 | 8.8 | 230.6 | 6.3 | 206.3 |
| 15:45 | 6.8 | 227.1 | 7.0 | 225.2 | 4.6 | 220.1 |
| 15:50 | 7.2 | 231.1 | 7.5 | 229.0 | 6.0 | 220.0 |
| 15:55 | 7.7 | 229.9 | | | 5.1 | 210.3 |
| 16:00 | 7.5 | 235.0 | 7.9 | 231.5 | 6.4 | 219.4 |
| 16:05 | 6.9 | 238.2 | 7.2 | 236.3 | 5.8 | 215.9 |
| 16:10 | 7.2 | 238.4 | 7.3 | 236.2 | 6.2 | 228.8 |
| 16:15 | | | | | 4.6 | 223.7 |
| 16:20 | 6.2 | 245.1 | 6.6 | 241.9 | 6.0 | 235.5 |
| 16:25 | 6.2 | 234.0 | 6.5 | 229.2 | 5.8 | 217.6 |
| 16:30 | 6.3 | 221.3 | 7.2 | 220.6 | 5.1 | 199.4 |
| 16:35 | 6.2 | 225.6 | 6.4 | 222.5 | 5.7 | 197.3 |
| 16:40 | 5.8 | 218.9 | 6.0 | 216.0 | 5.4 | 200.2 |
| 16:45 | 6.8 | 220.0 | 7.3 | 215.6 | 6.4 | 208.2 |
| 16:50 | 6.9 | 209.8 | 7.0 | 206.7 | 6.1 | 203.4 |
| 16:55 | 7.3 | 205.7 | 8.0 | 201.2 | 7.6 | 195.2 |
| 17:00 | 7.2 | 202.9 | 7.9 | 202.3 | 7.7 | 196.6 |
| 17:05 | 6.7 | 208.7 | 7.1 | 206.3 | 6.1 | 200.0 |
| 17:10 | 6.3 | 213.0 | 6.7 | 211.3 | 5.6 | 202.2 |
| 17:15 | 5.7 | 208.7 | 6.5 | 203.7 | 5.1 | 195.9 |
| 17:20 | | | | | 5.3 | 181.8 |
| 17:25 | 7.0 | 184.6 | 7.4 | 183.8 | 7.1 | 180.9 |
| 17:30 | 7.3 | 176.2 | 7.7 | 176.0 | 7.4 | 176.7 |
| 17:35 | 6.7 | 189.2 | 7.4 | 185.7 | 5.8 | 178.6 |
| 17:40 | | | | | | |
| 17:45 | | | | | | |
| 17:50 | 7.8 | 196.2 | 8.4 | 194.8 | 7.8 | 188.1 |
| 17:55 | 7.4 | 176.6 | 8.1 | 175.3 | 7.6 | 177.8 |
| 18:00 | | | | | | |
| 18:05 | | | | | | |
| 18:10 | | | | | | |

| | 39_WS340m | 40_WD340m | 41_WS360m | 42_WD360m | 43_WS380m | 44_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 18:15 | | | | | | |
| 18:20 | | | | | | |
| 18:25 | | | | | | |
| 18:30 | | | | | | |
| 18:35 | | | | | | |
| 18:40 | | | | | | |
| 18:45 | | | | | | |
| 18:50 | | | | | | |
| 18:55 | | | | | | |
| 19:00 | | | | | | |
| 19:05 | | | | | | |
| 19:10 | | | | | | |
| 19:15 | | | | | | |
| 19:20 | | | | | | |
| 19:25 | | | | | | |
| 19:30 | | | | | | |
| 19:35 | | | | | | |
| 19:40 | | | | | | |
| 19:45 | | | | | | |
| 19:50 | | | | | | |
| 19:55 | | | | | | |
| 20:00 | | | | | | |
| 20:05 | | | | | | |
| 20:10 | | | | | | |
| 20:15 | | | | | | |
| 20:20 | | | | | | |
| 20:25 | | | | | | |
| 20:30 | | | | | | |
| 20:35 | | | | | 2.7 | 74.4 |
| 20:40 | | | | | 2.1 | 101.4 |
| 20:45 | | | | | | |
| 20:50 | 3.0 | 93.8 | 3.1 | 107.3 | 2.1 | 119.4 |
| 20:55 | | | | | | |
| 21:00 | | | | | | |
| 21:05 | | | | | | |
| 21:10 | | | | | | |
| 21:15 | 3.1 | 125.6 | 3.4 | 117.2 | 2.2 | 123.7 |
| 21:20 | | | | | | |
| 21:25 | | | | | | |
| 21:30 | 1.0 | 231.6 | 1.8 | 237.5 | 1.9 | 207.6 |
| 21:35 | 1.6 | 179.0 | 1.8 | 204.1 | 1.9 | 180.4 |
| 21:40 | 3.8 | 145.2 | 4.3 | 147.6 | | |
| 21:45 | | | | | | |
| 21:50 | | | | | | |
| 21:55 | | | | | | |
| 22:00 | | | | | | |
| 22:05 | | | | | | |
| 22:10 | | | | | | |
| 22:15 | | | | | | |
| 22:20 | | | | | | |
| 22:25 | | | | | | |
| 22:30 | | | | | | |
| 22:35 | | | | | | |
| 22:40 | | | | | | |
| 22:45 | | | | | | |
| 22:50 | | | | | | |

| | 39_WS340m | 40_WD340m | 41_WS360m | 42_WD360m | 43_WS380m | 44_WD380m |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 22:55 | | | | | | |
| 23:00 | | | | | | |
| 23:05 | | | | | | |
| 23:10 | | | | | | |
| 23:15 | | | | | | |
| 23:20 | | | | | | |
| 23:25 | | | | | | |
| 23:30 | | | | | | |
| 23:35 | | | | | | |
| 23:40 | | | | | | |
| 23:45 | | | | | | |
| 23:50 | | | | | | |
| 23:55 | | | | | | |
| Avg | 6.1 | 203.2 | 6.6 | 204.5 | 4.7 | 187.2 |
| Max | 10.3 | 245.1 | 10.6 | 241.9 | 7.9 | 235.5 |
| Max Time | 14:30 | 16:20 | 14:25 | 16:20 | 14:30 | 16:20 |
| Min | 1.0 | 93.8 | 1.8 | 107.3 | .8 | 74.4 |
| Count | 46 | 46 | 41 | 41 | 63 | 63 |
| Total | | | | | | |