

Daily Summary Report

Site: Lidar "Q" (PAM35)

6/16/2022

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 | 25.7 | 991.00 | 91.0 | .4 | 119.1 | -.07 | .3 | 210.6 | -.07 |
| 00:05 | 25.7 | 991.00 | 91.0 | .5 | 29.4 | -.03 | .3 | 353.6 | -.05 |
| 00:10 | 25.7 | 991.00 | 91.0 | .8 | 5.4 | -.08 | .6 | 334.7 | -.14 |
| 00:15 | 25.7 | 991.00 | 91.0 | 1.1 | 15.8 | .05 | .9 | 357.6 | -.02 |
| 00:20 | 25.7 | 991.00 | 92.0 | 1.2 | 32.8 | .01 | 1.0 | 13.7 | -.04 |
| 00:25 | 25.7 | 991.00 | 92.0 | 1.4 | 29.3 | .11 | 1.3 | 22.2 | .09 |
| 00:30 | 25.7 | 991.00 | 92.0 | 1.3 | 32.3 | .02 | 1.3 | 31.8 | .03 |
| 00:35 | 25.7 | 991.00 | 92.0 | 1.2 | 35.0 | -.07 | 1.4 | 28.7 | -.08 |
| 00:40 | 25.6 | 991.00 | 92.0 | .6 | 38.9 | -.08 | 1.2 | 27.8 | -.10 |
| 00:45 | 25.6 | 991.00 | 92.0 | .3 | 353.7 | -.02 | .8 | 18.0 | -.02 |
| 00:50 | 25.4 | 991.00 | 93.0 | .3 | 342.8 | .02 | .7 | 13.6 | .00 |
| 00:55 | 25.4 | 991.00 | 93.0 | .2 | 282.2 | .05 | .5 | 340.1 | .07 |
| 01:00 | 25.2 | 991.00 | 93.0 | .4 | 256.9 | -.04 | .7 | 291.9 | -.04 |
| 01:05 | 25.2 | 991.00 | 93.0 | .7 | 240.2 | -.01 | .6 | 299.4 | -.04 |
| 01:10 | 25.1 | 991.00 | 94.0 | .3 | 289.7 | .02 | .6 | 344.5 | .02 |
| 01:15 | 25.1 | 991.00 | 94.0 | .4 | 175.6 | .00 | .4 | 344.8 | .00 |
| 01:20 | 25.1 | 991.00 | 94.0 | .5 | 158.4 | -.03 | .3 | 71.7 | -.07 |
| 01:25 | 25.1 | 991.00 | 94.0 | 1.0 | 166.8 | .04 | .6 | 146.3 | .01 |
| 01:30 | 25.0 | 991.00 | 94.0 | 3.3 | 149.2 | -.03 | 3.1 | 145.5 | -.07 |
| 01:35 | 25.0 | 991.00 | 94.0 | 3.2 | 146.8 | -.11 | 3.9 | 145.5 | -.13 |
| 01:40 | 24.9 | 991.00 | 94.0 | 3.1 | 145.9 | -.13 | 3.8 | 147.7 | -.12 |
| 01:45 | 24.9 | 991.00 | 94.0 | 2.7 | 150.0 | -.08 | 3.4 | 153.8 | -.09 |
| 01:50 | 25.0 | 991.00 | 94.0 | 1.9 | 150.7 | -.09 | 3.1 | 148.8 | -.13 |
| 01:55 | 25.0 | 991.00 | 94.0 | 2.2 | 150.5 | -.12 | 3.4 | 146.7 | -.17 |
| 02:00 | 25.0 | 991.00 | 93.0 | 1.7 | 151.3 | -.09 | 2.7 | 152.6 | -.09 |
| 02:05 | 25.0 | 991.00 | 93.0 | 1.2 | 154.0 | -.07 | 2.4 | 149.0 | -.08 |
| 02:10 | 24.9 | 991.00 | 93.0 | .7 | 138.4 | .04 | 1.3 | 159.3 | .08 |
| 02:15 | 24.9 | 991.00 | 93.0 | .2 | 115.3 | -.06 | .7 | 206.5 | -.08 |
| 02:20 | 24.8 | 991.00 | 94.0 | .4 | 135.1 | -.01 | .7 | 181.2 | .00 |
| 02:25 | 24.8 | 991.00 | 94.0 | .4 | 136.7 | .01 | .6 | 190.8 | .00 |
| 02:30 | 24.7 | 991.00 | 94.0 | .8 | 156.2 | .01 | 1.0 | 181.6 | .00 |
| 02:35 | 24.7 | 991.00 | 94.0 | 1.5 | 173.7 | .03 | 1.6 | 178.0 | .01 |
| 02:40 | 24.7 | 991.00 | 94.0 | 1.6 | 203.4 | .01 | 1.9 | 205.0 | -.03 |
| 02:45 | 24.7 | 991.00 | 94.0 | .3 | 174.8 | .08 | .6 | 228.6 | .07 |
| 02:50 | 24.6 | 992.00 | 94.0 | .4 | 70.5 | .01 | .2 | 279.2 | .03 |
| 02:55 | 24.6 | 992.00 | 94.0 | .8 | 78.8 | -.02 | .3 | 107.4 | .01 |
| 03:00 | 24.5 | 991.00 | 94.0 | .9 | 91.3 | -.02 | .7 | 110.2 | .03 |
| 03:05 | 24.5 | 991.00 | 94.0 | 1.5 | 145.5 | -.02 | 1.4 | 155.1 | -.02 |
| 03:10 | 24.5 | 991.00 | 94.0 | 1.3 | 163.4 | -.07 | 1.6 | 176.2 | -.04 |
| 03:15 | 24.5 | 991.00 | 94.0 | .6 | 221.2 | .02 | 1.5 | 211.9 | .03 |
| 03:20 | 24.5 | 991.00 | 94.0 | .7 | 311.1 | -.07 | .8 | 275.1 | -.08 |
| 03:25 | 24.5 | 991.00 | 94.0 | .4 | 281.6 | -.10 | .5 | 304.6 | -.08 |
| 03:30 | 24.4 | 992.00 | 94.0 | .6 | 147.6 | .01 | .2 | 254.1 | -.02 |
| 03:35 | 24.4 | 992.00 | 94.0 | .4 | 244.0 | .10 | .6 | 313.2 | .07 |
| 03:40 | 24.3 | 992.00 | 94.0 | .5 | 253.9 | .01 | .5 | 301.9 | .04 |
| 03:45 | 24.3 | 992.00 | 94.0 | .8 | 197.6 | .04 | 1.6 | 224.6 | .09 |
| 03:50 | 24.2 | 992.00 | 94.0 | 1.5 | 203.5 | .03 | 2.4 | 219.4 | .09 |
| 03:55 | 24.2 | 992.00 | 94.0 | 1.1 | 204.3 | .00 | 2.3 | 226.0 | .01 |
| 04:00 | 24.2 | 992.00 | 95.0 | 1.2 | 257.0 | .08 | 2.2 | 252.7 | .10 |
| 04:05 | 24.2 | 992.00 | 95.0 | 1.3 | 257.4 | .07 | 2.4 | 254.8 | .10 |
| 04:10 | 24.2 | 992.00 | 95.0 | .7 | 261.7 | -.06 | 2.0 | 253.6 | -.04 |

| | 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 | 24.2 | 992.00 | 95.0 | .7 | 217.9 | .03 | 1.2 | 237.4 | .06 |
| 04:20 | 24.2 | 992.00 | 94.0 | 1.6 | 193.2 | .04 | 1.9 | 206.6 | .07 |
| 04:25 | 24.2 | 992.00 | 94.0 | 2.1 | 184.2 | .02 | 2.4 | 198.9 | .04 |
| 04:30 | 24.1 | 992.00 | 94.0 | 1.6 | 168.4 | -.07 | 1.9 | 195.5 | -.06 |
| 04:35 | 24.1 | 992.00 | 94.0 | 1.5 | 170.7 | -.01 | 2.0 | 197.4 | -.01 |
| 04:40 | 24.1 | 992.00 | 94.0 | 2.0 | 177.6 | .05 | 2.3 | 202.9 | .06 |
| 04:45 | 24.1 | 992.00 | 94.0 | 2.1 | 191.6 | .00 | 2.5 | 209.4 | .03 |
| 04:50 | 24.0 | 992.00 | 94.0 | 2.1 | 192.8 | -.08 | 2.7 | 213.8 | -.08 |
| 04:55 | 24.0 | 992.00 | 94.0 | 2.2 | 172.8 | -.04 | 2.5 | 200.9 | .00 |
| 05:00 | 24.0 | 992.00 | 94.0 | 1.5 | 162.1 | -.09 | 1.7 | 201.7 | -.06 |
| 05:05 | 24.0 | 992.00 | 94.0 | 1.2 | 167.5 | .09 | 1.5 | 207.8 | .09 |
| 05:10 | 23.8 | 992.00 | 94.0 | 1.6 | 166.0 | .06 | 1.7 | 200.4 | .07 |
| 05:15 | 23.8 | 992.00 | 94.0 | 1.1 | 159.0 | -.02 | 1.1 | 207.9 | .01 |
| 05:20 | 23.8 | 992.00 | 94.0 | .4 | 183.1 | -.04 | .9 | 259.7 | -.02 |
| 05:25 | 23.8 | 992.00 | 94.0 | .4 | 324.7 | .00 | 1.1 | 283.3 | .01 |
| 05:30 | 23.8 | 992.00 | 94.0 | .7 | 318.5 | -.02 | 1.4 | 282.6 | -.02 |
| 05:35 | 23.8 | 992.00 | 94.0 | 1.0 | 349.0 | -.11 | 1.4 | 298.8 | -.10 |
| 05:40 | 23.7 | 993.00 | 94.0 | .5 | 176.9 | .01 | 1.0 | 227.9 | .01 |
| 05:45 | 23.7 | 993.00 | 94.0 | .9 | 172.9 | .02 | 1.3 | 225.6 | .08 |
| 05:50 | 23.6 | 993.00 | 95.0 | 1.1 | 174.0 | .04 | 1.3 | 223.2 | .09 |
| 05:55 | 23.6 | 993.00 | 95.0 | .6 | 202.2 | .04 | 1.3 | 248.6 | .06 |
| 06:00 | 23.5 | 993.00 | 94.0 | .6 | 227.2 | -.02 | 1.5 | 252.9 | -.02 |
| 06:05 | 23.5 | 993.00 | 94.0 | 1.7 | 170.2 | .05 | 1.8 | 202.0 | .06 |
| 06:10 | 23.4 | 993.00 | 94.0 | 2.1 | 155.9 | .22 | 2.0 | 182.7 | .14 |
| 06:15 | 23.4 | 993.00 | 94.0 | 1.5 | 170.6 | .12 | 1.6 | 198.2 | .14 |
| 06:20 | 23.4 | 993.00 | 94.0 | 1.7 | 172.2 | .05 | 1.9 | 199.8 | .09 |
| 06:25 | 23.4 | 993.00 | 94.0 | 2.0 | 157.4 | .08 | 2.0 | 186.1 | .11 |
| 06:30 | 23.5 | 993.00 | 94.0 | 2.4 | 155.0 | .08 | 2.2 | 171.1 | .11 |
| 06:35 | 23.5 | 993.00 | 94.0 | 2.2 | 156.0 | .07 | 2.3 | 174.7 | .08 |
| 06:40 | 23.4 | 993.00 | 94.0 | 2.6 | 164.6 | .05 | 2.9 | 173.3 | .06 |
| 06:45 | 23.4 | 993.00 | 94.0 | 2.4 | 161.6 | .01 | 2.8 | 175.5 | .02 |
| 06:50 | 23.4 | 993.00 | 94.0 | 2.5 | 159.4 | -.07 | 2.6 | 178.3 | -.02 |
| 06:55 | 23.4 | 993.00 | 94.0 | 2.2 | 157.5 | .00 | 2.3 | 176.0 | .02 |
| 07:00 | 23.4 | 993.00 | 93.0 | 1.8 | 166.3 | -.02 | 2.2 | 185.9 | .01 |
| 07:05 | 23.4 | 993.00 | 93.0 | 1.8 | 165.5 | .03 | 1.9 | 188.0 | .06 |
| 07:10 | 23.5 | 993.00 | 92.0 | 1.7 | 169.8 | .05 | 1.5 | 197.5 | .03 |
| 07:15 | 23.5 | 993.00 | 92.0 | 1.2 | 189.3 | .03 | 1.3 | 223.0 | .06 |
| 07:20 | 23.7 | 993.00 | 91.0 | 1.1 | 207.1 | .06 | 1.7 | 226.4 | .09 |
| 07:25 | 23.7 | 993.00 | 91.0 | 1.0 | 245.7 | .04 | 1.9 | 241.9 | .02 |
| 07:30 | 23.8 | 994.00 | 92.0 | 1.0 | 247.7 | -.01 | 2.0 | 242.0 | .06 |
| 07:35 | 23.8 | 994.00 | 92.0 | 1.0 | 239.2 | -.05 | 1.8 | 244.6 | -.05 |
| 07:40 | 24.0 | 994.00 | 91.0 | 1.0 | 216.1 | .02 | 1.8 | 233.2 | .01 |
| 07:45 | 24.0 | 994.00 | 91.0 | .9 | 195.2 | -.05 | 1.6 | 226.2 | .00 |
| 07:50 | 24.2 | 994.00 | 91.0 | 1.5 | 202.6 | .00 | 2.1 | 220.1 | .01 |
| 07:55 | 24.2 | 994.00 | 91.0 | 1.8 | 189.6 | -.01 | 2.2 | 203.8 | -.02 |
| 08:00 | 24.4 | 994.00 | 90.0 | 2.0 | 185.7 | -.01 | 2.5 | 203.7 | -.02 |
| 08:05 | 24.4 | 994.00 | 90.0 | 2.4 | 207.7 | -.03 | 3.0 | 217.4 | .04 |
| 08:10 | 24.6 | 994.00 | 89.0 | 1.5 | 209.5 | -.04 | 2.4 | 220.1 | .06 |
| 08:15 | 24.6 | 994.00 | 89.0 | 1.8 | 213.6 | -.03 | 2.6 | 223.2 | .00 |
| 08:20 | 24.8 | 994.00 | 89.0 | 1.8 | 222.1 | .01 | 2.6 | 228.6 | .00 |
| 08:25 | 24.8 | 994.00 | 89.0 | 2.1 | 228.4 | -.02 | 3.0 | 233.1 | .01 |
| 08:30 | 25.2 | 994.00 | 86.0 | 2.5 | 220.3 | -.01 | 3.2 | 228.3 | .00 |
| 08:35 | 25.2 | 994.00 | 86.0 | 2.3 | 216.0 | .05 | 2.9 | 219.8 | .02 |
| 08:40 | 25.5 | 994.00 | 84.0 | 1.6 | 213.8 | -.01 | 2.0 | 218.5 | -.01 |
| 08:45 | 25.5 | 994.00 | 84.0 | 1.2 | 199.3 | .03 | 1.5 | 207.7 | -.01 |
| 08:50 | 25.8 | 995.00 | 81.0 | 1.3 | 192.8 | .16 | 1.5 | 202.3 | .12 |

| | 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 | 25.8 | 995.00 | 81.0 | 1.1 | 209.3 | -.06 | 1.3 | 217.2 | -.06 |
| 09:00 | 26.2 | 995.00 | 80.0 | .9 | 188.1 | -.18 | 1.1 | 206.7 | -.05 |
| 09:05 | 26.2 | 995.00 | 80.0 | 1.0 | 210.3 | .09 | 1.3 | 221.9 | .02 |
| 09:10 | 26.7 | 995.00 | 77.0 | 1.4 | 228.4 | .13 | 1.7 | 238.2 | .21 |
| 09:15 | 26.7 | 995.00 | 77.0 | 1.2 | 205.4 | .07 | 1.4 | 211.7 | .15 |
| 09:20 | 27.4 | 995.00 | 75.0 | 1.6 | 234.3 | .12 | 1.6 | 238.5 | .17 |
| 09:25 | 27.4 | 995.00 | 75.0 | 1.6 | 208.5 | .13 | 1.7 | 221.7 | .08 |
| 09:30 | 28.0 | 995.00 | 72.0 | 1.5 | 198.7 | -.19 | 1.6 | 217.4 | -.20 |
| 09:35 | 28.0 | 995.00 | 72.0 | 1.6 | 164.1 | .02 | 1.6 | 172.5 | -.15 |
| 09:40 | 28.2 | 995.00 | 72.0 | 1.5 | 168.8 | -.17 | 1.5 | 161.6 | -.21 |
| 09:45 | 28.2 | 995.00 | 72.0 | 1.4 | 171.9 | -.06 | 1.5 | 171.0 | -.08 |
| 09:50 | 28.9 | 995.00 | 70.0 | 1.8 | 164.9 | -.15 | 2.0 | 156.9 | -.10 |
| 09:55 | 28.9 | 995.00 | 70.0 | 1.5 | 147.9 | -.42 | 1.7 | 143.4 | -.36 |
| 10:00 | 29.4 | 994.00 | 69.0 | 1.2 | 107.1 | -.28 | 1.5 | 97.1 | -.38 |
| 10:05 | 29.4 | 994.00 | 69.0 | 1.4 | 92.8 | -.08 | 1.8 | 81.8 | -.16 |
| 10:10 | 30.0 | 994.00 | 67.0 | 1.7 | 69.2 | -.40 | 1.9 | 74.1 | -.48 |
| 10:15 | 30.0 | 994.00 | 67.0 | 1.1 | 47.0 | -.47 | 1.2 | 70.1 | -.53 |
| 10:20 | 29.9 | 994.00 | 66.0 | 1.4 | 345.1 | .07 | 1.5 | 330.8 | .11 |
| 10:25 | 29.9 | 994.00 | 66.0 | 1.1 | 351.2 | -.09 | 1.1 | 338.9 | .06 |
| 10:30 | 30.4 | 994.00 | 65.0 | .6 | 212.8 | -.25 | .7 | 171.2 | -.21 |
| 10:35 | 30.4 | 994.00 | 65.0 | 1.5 | 180.6 | .03 | 1.8 | 183.5 | -.04 |
| 10:40 | 30.6 | 994.00 | 63.0 | 1.2 | 193.2 | .35 | 1.0 | 195.8 | .39 |
| 10:45 | 30.6 | 994.00 | 63.0 | 1.5 | 210.5 | .21 | 1.4 | 219.2 | .30 |
| 10:50 | 30.9 | 994.00 | 61.0 | 1.2 | 178.3 | -.23 | 1.5 | 196.8 | -.38 |
| 10:55 | 30.9 | 994.00 | 61.0 | 1.6 | 141.7 | -.08 | 1.7 | 139.7 | -.13 |
| 11:00 | 31.5 | 994.00 | 58.0 | 1.3 | 108.0 | .50 | 1.4 | 107.0 | .51 |
| 11:05 | 31.5 | 994.00 | 58.0 | 2.1 | 144.3 | -.02 | 2.4 | 141.0 | .09 |
| 11:10 | 31.5 | 994.00 | 58.0 | 1.9 | 162.4 | .20 | 1.9 | 159.3 | .31 |
| 11:15 | 31.5 | 994.00 | 58.0 | 1.7 | 164.2 | -.26 | 1.6 | 165.1 | -.50 |
| 11:20 | 31.9 | 994.00 | 56.0 | 1.3 | 161.8 | .18 | 1.5 | 170.5 | .22 |
| 11:25 | 31.9 | 994.00 | 56.0 | 1.2 | 147.9 | .07 | 1.4 | 141.0 | .12 |
| 11:30 | 31.6 | 993.00 | 57.0 | 1.9 | 170.1 | -.19 | 1.8 | 166.9 | -.20 |
| 11:35 | 31.6 | 993.00 | 57.0 | 1.4 | 204.3 | .14 | 1.5 | 205.1 | .16 |
| 11:40 | 32.0 | 994.00 | 55.0 | 1.5 | 196.9 | .08 | 1.6 | 203.1 | .02 |
| 11:45 | 32.0 | 994.00 | 55.0 | 1.2 | 258.3 | -.59 | 1.3 | 225.9 | -.76 |
| 11:50 | 32.6 | 994.00 | 51.0 | 1.3 | 256.4 | .11 | 1.5 | 260.2 | .17 |
| 11:55 | 32.6 | 994.00 | 51.0 | 1.6 | 107.8 | -.52 | 1.7 | 104.5 | -.54 |
| 12:00 | 32.9 | 994.00 | 49.0 | 1.0 | 85.8 | -.51 | 1.0 | 45.1 | -.58 |
| 12:05 | 32.9 | 994.00 | 49.0 | 1.6 | 165.8 | -.04 | 1.9 | 150.8 | -.08 |
| 12:10 | 33.1 | 994.00 | 50.0 | 2.5 | 208.8 | .36 | 2.4 | 212.6 | .39 |
| 12:15 | 33.1 | 994.00 | 50.0 | 2.1 | 195.0 | .21 | 2.2 | 193.2 | .29 |
| 12:20 | 33.3 | 994.00 | 49.0 | 1.5 | 213.1 | -.06 | 1.7 | 217.5 | -.13 |
| 12:25 | 33.3 | 994.00 | 49.0 | 2.1 | 218.1 | .34 | 2.2 | 229.5 | .44 |
| 12:30 | 33.3 | 994.00 | 48.0 | 1.0 | 155.1 | .07 | 1.1 | 170.0 | .15 |
| 12:35 | 33.3 | 994.00 | 48.0 | 1.8 | 164.2 | .72 | 1.8 | 168.0 | .81 |
| 12:40 | 33.1 | 993.00 | 48.0 | 1.7 | 178.6 | .01 | 1.7 | 178.8 | .06 |
| 12:45 | 33.1 | 993.00 | 48.0 | 1.5 | 177.9 | -.33 | 1.7 | 174.4 | -.36 |
| 12:50 | 33.4 | 993.00 | 48.0 | 1.6 | 234.7 | -.22 | 1.7 | 235.2 | -.40 |
| 12:55 | 33.4 | 993.00 | 48.0 | 1.6 | 228.9 | -.42 | 1.9 | 239.4 | -.59 |
| 13:00 | 34.0 | 994.00 | 45.0 | 2.3 | 171.3 | .01 | 2.3 | 175.8 | -.13 |
| 13:05 | 34.0 | 994.00 | 45.0 | 2.4 | 129.9 | -.34 | 2.5 | 126.6 | -.48 |
| 13:10 | 34.1 | 993.00 | 47.0 | 1.7 | 145.9 | -.10 | 2.0 | 135.5 | -.08 |
| 13:15 | 34.1 | 993.00 | 47.0 | 2.7 | 120.7 | -.06 | 3.1 | 128.4 | .01 |
| 13:20 | 33.8 | 993.00 | 48.0 | 2.1 | 198.7 | -.07 | 2.2 | 206.2 | -.10 |
| 13:25 | 33.8 | 993.00 | 48.0 | 2.2 | 153.4 | -.09 | 2.7 | 161.9 | -.07 |
| 13:30 | 34.5 | 993.00 | 46.0 | 2.4 | 130.0 | -.27 | 2.7 | 131.1 | -.22 |

| | 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 | 34.5 | 993.00 | 46.0 | 2.6 | 141.7 | -.32 | 3.3 | 142.8 | -.45 |
| 13:40 | 34.4 | 993.00 | 45.0 | 2.5 | 185.6 | -.09 | 2.8 | 191.1 | -.15 |
| 13:45 | 34.4 | 993.00 | 45.0 | 3.1 | 187.7 | .17 | 3.3 | 188.9 | .20 |
| 13:50 | 34.8 | 993.00 | 44.0 | 2.7 | 191.2 | -.17 | 3.3 | 190.5 | -.23 |
| 13:55 | 34.8 | 993.00 | 44.0 | 3.4 | 204.4 | .17 | 3.7 | 203.9 | .13 |
| 14:00 | 35.0 | 993.00 | 42.0 | 3.8 | 241.1 | .07 | 4.3 | 240.8 | -.01 |
| 14:05 | 35.0 | 993.00 | 42.0 | 3.7 | 231.4 | .31 | 3.9 | 232.7 | .37 |
| 14:10 | 35.4 | 993.00 | 39.0 | 3.1 | 255.6 | .00 | 3.8 | 255.3 | .07 |
| 14:15 | 35.4 | 993.00 | 39.0 | 2.6 | 252.8 | -.08 | 3.2 | 250.9 | -.09 |
| 14:20 | 35.5 | 993.00 | 41.0 | 3.2 | 223.9 | -.24 | 3.7 | 225.6 | -.27 |
| 14:25 | 35.5 | 993.00 | 41.0 | 3.7 | 208.1 | -.06 | 4.2 | 205.6 | -.04 |
| 14:30 | 35.4 | 992.00 | 40.0 | 2.5 | 209.3 | -.07 | 2.7 | 208.9 | -.07 |
| 14:35 | 35.4 | 992.00 | 40.0 | 3.8 | 191.5 | .16 | 3.9 | 195.6 | .20 |
| 14:40 | 35.0 | 991.00 | 42.0 | 3.5 | 198.0 | .24 | 4.0 | 198.4 | .37 |
| 14:45 | 35.0 | 991.00 | 42.0 | 3.0 | 208.7 | -.32 | 3.6 | 209.0 | -.50 |
| 14:50 | 35.7 | 993.00 | 41.0 | 4.7 | 215.2 | .18 | 5.3 | 220.4 | .25 |
| 14:55 | 35.7 | 993.00 | 41.0 | 3.1 | 229.5 | .27 | 3.5 | 227.4 | .29 |
| 15:00 | 35.5 | 992.00 | 40.0 | 1.9 | 268.6 | -.12 | 2.5 | 268.1 | -.14 |
| 15:05 | 35.5 | 992.00 | 40.0 | 2.8 | 269.1 | .21 | 3.4 | 265.3 | .13 |
| 15:10 | 35.5 | 992.00 | 40.0 | 3.1 | 222.3 | -.15 | 3.8 | 227.3 | -.18 |
| 15:15 | 35.5 | 992.00 | 40.0 | 1.6 | 233.7 | .00 | 2.2 | 235.5 | .10 |
| 15:20 | 35.8 | 992.00 | 39.0 | 2.0 | 225.1 | .03 | 2.6 | 219.0 | -.05 |
| 15:25 | 35.8 | 992.00 | 39.0 | 3.3 | 268.5 | .31 | 3.5 | 267.8 | .35 |
| 15:30 | 35.2 | 991.00 | 41.0 | 2.9 | 274.3 | -.14 | 3.0 | 268.9 | -.22 |
| 15:35 | 35.2 | 991.00 | 41.0 | 2.3 | 251.7 | .22 | 2.5 | 251.8 | .33 |
| 15:40 | 35.6 | 991.00 | 40.0 | 1.9 | 249.1 | -.22 | 1.9 | 248.8 | -.20 |
| 15:45 | 35.6 | 991.00 | 40.0 | 2.7 | 266.9 | -.34 | 3.3 | 260.1 | -.28 |
| 15:50 | 36.0 | 992.00 | 39.0 | 2.3 | 222.9 | -.10 | 2.9 | 231.8 | -.18 |
| 15:55 | 36.0 | 992.00 | 39.0 | 2.4 | 215.2 | -.24 | 2.6 | 218.6 | -.30 |
| 16:00 | 36.3 | 993.00 | 36.0 | 2.5 | 190.2 | .10 | 2.5 | 191.5 | -.01 |
| 16:05 | 36.3 | 993.00 | 36.0 | 2.6 | 213.7 | -.34 | 3.1 | 222.9 | -.58 |
| 16:10 | 36.3 | 993.00 | 36.0 | 3.8 | 229.4 | .09 | 4.3 | 232.8 | .13 |
| 16:15 | 36.3 | 993.00 | 36.0 | 3.7 | 229.2 | .12 | 4.1 | 231.0 | .20 |
| 16:20 | 36.7 | 993.00 | 34.0 | 2.8 | 234.5 | -.02 | 3.3 | 236.7 | -.01 |
| 16:25 | 36.7 | 993.00 | 34.0 | 2.7 | 222.8 | -.06 | 3.2 | 227.7 | -.05 |
| 16:30 | 36.4 | 992.00 | 34.0 | 3.2 | 212.3 | -.14 | 3.7 | 217.3 | -.18 |
| 16:35 | 36.4 | 992.00 | 34.0 | 1.7 | 241.1 | .05 | 2.0 | 246.3 | -.01 |
| 16:40 | 36.9 | 993.00 | 35.0 | 2.5 | 212.8 | -.21 | 3.1 | 216.4 | -.24 |
| 16:45 | 36.9 | 993.00 | 35.0 | 2.6 | 233.3 | -.17 | 3.1 | 231.3 | -.09 |
| 16:50 | 37.0 | 993.00 | 36.0 | 4.1 | 235.0 | .02 | 4.6 | 233.0 | .09 |
| 16:55 | 37.0 | 993.00 | 36.0 | 3.6 | 225.0 | .38 | 3.6 | 228.4 | .39 |
| 17:00 | 36.6 | 993.00 | 37.0 | 2.9 | 213.7 | .28 | 3.1 | 215.0 | .33 |
| 17:05 | 36.6 | 993.00 | 37.0 | 2.9 | 220.0 | .12 | 3.3 | 216.8 | .13 |
| 17:10 | 36.2 | 991.00 | 37.0 | 3.6 | 214.9 | .15 | 4.0 | 214.2 | .14 |
| 17:15 | 36.2 | 991.00 | 37.0 | 2.2 | 226.0 | .08 | 2.5 | 228.4 | -.05 |
| 17:20 | 35.8 | 991.00 | 37.0 | 2.9 | 208.6 | -.21 | 3.3 | 213.3 | -.29 |
| 17:25 | 35.8 | 991.00 | 37.0 | 3.5 | 257.0 | -.10 | 4.3 | 257.1 | -.07 |
| 17:30 | 36.3 | 991.00 | 36.0 | 2.9 | 229.8 | .01 | 3.6 | 227.4 | .00 |
| 17:35 | 36.3 | 991.00 | 36.0 | 3.2 | 228.2 | -.20 | 3.7 | 227.9 | -.21 |
| 17:40 | 36.9 | 991.00 | 36.0 | 3.8 | 242.9 | -.05 | 4.6 | 244.1 | .10 |
| 17:45 | 36.9 | 991.00 | 36.0 | 3.8 | 238.2 | .37 | 4.1 | 242.0 | .47 |
| 17:50 | 36.2 | 991.00 | 37.0 | 2.2 | 252.4 | .10 | 2.5 | 257.7 | .18 |
| 17:55 | 36.2 | 991.00 | 37.0 | 1.7 | 309.6 | .04 | 1.7 | 295.3 | .07 |
| 18:00 | 36.1 | 991.00 | 38.0 | 1.5 | 231.1 | -.09 | 1.5 | 218.6 | -.24 |
| 18:05 | 36.1 | 991.00 | 38.0 | 3.0 | 249.0 | -.05 | 3.7 | 246.4 | -.10 |
| 18:10 | 36.3 | 990.00 | 39.0 | 2.7 | 220.8 | -.14 | 3.1 | 225.9 | -.28 |

| | 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 | 36.3 | 990.00 | 39.0 | 2.1 | 198.1 | -.05 | 2.6 | 205.7 | -.10 |
| 18:20 | 35.6 | 990.00 | 41.0 | 2.8 | 204.0 | -.08 | 3.0 | 210.1 | -.15 |
| 18:25 | 35.6 | 990.00 | 41.0 | 3.7 | 220.3 | .07 | 4.2 | 225.9 | .13 |
| 18:30 | 35.5 | 990.00 | 42.0 | 3.1 | 216.3 | -.15 | 3.7 | 216.7 | -.13 |
| 18:35 | 35.5 | 990.00 | 42.0 | 3.0 | 239.2 | -.41 | 3.7 | 241.6 | -.61 |
| 18:40 | 35.9 | 990.00 | 43.0 | 3.4 | 228.1 | -.17 | 3.8 | 229.9 | -.31 |
| 18:45 | 35.9 | 990.00 | 43.0 | 3.1 | 224.3 | -.17 | 3.7 | 229.5 | -.24 |
| 18:50 | 35.3 | 990.00 | 43.0 | 3.3 | 225.0 | -.20 | 3.9 | 228.6 | -.22 |
| 18:55 | 35.3 | 990.00 | 43.0 | 3.3 | 241.5 | -.02 | 4.2 | 247.1 | .02 |
| 19:00 | 35.0 | 990.00 | 43.0 | 3.2 | 239.8 | -.15 | 4.4 | 239.9 | -.14 |
| 19:05 | 35.0 | 990.00 | 43.0 | 2.7 | 236.5 | -.32 | 3.4 | 239.1 | -.39 |
| 19:10 | 35.1 | 990.00 | 42.0 | 4.4 | 242.0 | .06 | 5.1 | 242.8 | .02 |
| 19:15 | 35.1 | 990.00 | 42.0 | 3.9 | 231.4 | .02 | 4.5 | 234.5 | .02 |
| 19:20 | 34.5 | 990.00 | 43.0 | 3.0 | 218.9 | .03 | 3.6 | 220.2 | .03 |
| 19:25 | 34.5 | 990.00 | 43.0 | 2.6 | 209.9 | -.14 | 3.1 | 211.2 | -.22 |
| 19:30 | 34.4 | 990.00 | 44.0 | 3.1 | 206.9 | -.05 | 3.5 | 212.4 | -.13 |
| 19:35 | 34.4 | 990.00 | 44.0 | 3.6 | 214.3 | .03 | 4.2 | 221.7 | .05 |
| 19:40 | 33.8 | 990.00 | 46.0 | 2.9 | 212.3 | -.08 | 3.6 | 216.5 | -.12 |
| 19:45 | 33.8 | 990.00 | 46.0 | 2.6 | 215.7 | -.14 | 3.3 | 218.7 | -.16 |
| 19:50 | 33.7 | 990.00 | 47.0 | 2.3 | 216.4 | -.14 | 2.9 | 220.0 | -.14 |
| 19:55 | 33.7 | 990.00 | 47.0 | 2.1 | 197.6 | -.08 | 2.5 | 200.9 | -.14 |
| 20:00 | 33.3 | 990.00 | 48.0 | 3.0 | 189.7 | -.10 | 3.4 | 197.1 | -.12 |
| 20:05 | 33.3 | 990.00 | 48.0 | 2.8 | 190.2 | -.18 | 3.4 | 198.7 | -.18 |
| 20:10 | 32.9 | 990.00 | 51.0 | 2.3 | 192.5 | -.18 | 3.0 | 197.4 | -.18 |
| 20:15 | 32.9 | 990.00 | 51.0 | 2.5 | 194.0 | -.14 | 3.1 | 200.3 | -.19 |
| 20:20 | 32.6 | 990.00 | 54.0 | 2.2 | 192.5 | -.18 | 2.8 | 202.7 | -.17 |
| 20:25 | 32.6 | 990.00 | 54.0 | 2.2 | 192.0 | -.12 | 2.7 | 198.7 | -.13 |
| 20:30 | 31.3 | 990.00 | 61.0 | 2.6 | 196.8 | -.14 | 3.2 | 204.2 | -.13 |
| 20:35 | 31.3 | 990.00 | 61.0 | 2.8 | 203.8 | -.19 | 3.6 | 210.0 | -.18 |
| 20:40 | 30.8 | 990.00 | 64.0 | 2.6 | 205.5 | -.14 | 3.3 | 208.7 | -.13 |
| 20:45 | 30.8 | 990.00 | 64.0 | 2.5 | 203.5 | -.16 | 3.4 | 207.3 | -.18 |
| 20:50 | 30.3 | 990.00 | 65.0 | 2.4 | 202.8 | -.19 | 3.3 | 207.4 | -.21 |
| 20:55 | 30.3 | 990.00 | 65.0 | 2.0 | 198.5 | -.21 | 3.1 | 205.7 | -.22 |
| 21:00 | 29.8 | 990.00 | 67.0 | 1.2 | 189.8 | -.16 | 2.7 | 201.6 | -.23 |
| 21:05 | 29.8 | 990.00 | 67.0 | .5 | 174.7 | -.10 | 1.9 | 200.2 | -.16 |
| 21:10 | 29.1 | 990.00 | 70.0 | .4 | 216.0 | -.01 | 1.6 | 202.4 | -.08 |
| 21:15 | 29.1 | 990.00 | 70.0 | .8 | 229.7 | .04 | 1.3 | 228.9 | -.02 |
| 21:20 | 28.7 | 990.00 | 71.0 | .9 | 243.4 | -.03 | 1.6 | 248.3 | -.05 |
| 21:25 | 28.7 | 990.00 | 71.0 | .7 | 269.5 | -.07 | 1.7 | 258.8 | -.06 |
| 21:30 | 28.2 | 990.00 | 74.0 | .5 | 287.0 | -.05 | 1.5 | 257.4 | -.06 |
| 21:35 | 28.2 | 990.00 | 74.0 | .7 | 331.9 | -.08 | 1.1 | 279.4 | -.06 |
| 21:40 | 27.8 | 990.00 | 75.0 | .8 | 331.7 | -.09 | 1.3 | 278.4 | -.05 |
| 21:45 | 27.8 | 990.00 | 75.0 | .5 | 319.4 | -.07 | 1.2 | 265.4 | -.03 |
| 21:50 | 27.5 | 990.00 | 76.0 | .5 | 345.7 | -.06 | 1.1 | 274.2 | -.03 |
| 21:55 | 27.5 | 990.00 | 76.0 | .7 | 346.6 | -.01 | 1.2 | 283.6 | -.03 |
| 22:00 | 27.2 | 990.00 | 78.0 | .9 | 357.2 | -.09 | 1.2 | 292.1 | -.08 |
| 22:05 | 27.2 | 990.00 | 78.0 | 1.0 | 11.4 | -.04 | .9 | 297.8 | -.05 |
| 22:10 | 26.8 | 990.00 | 79.0 | .7 | 12.6 | -.04 | .7 | 291.2 | -.06 |
| 22:15 | 26.8 | 990.00 | 79.0 | .3 | 87.0 | -.02 | .4 | 274.3 | -.06 |
| 22:20 | 26.4 | 991.00 | 84.0 | 1.0 | 164.1 | -.06 | .5 | 184.6 | -.07 |
| 22:25 | 26.4 | 991.00 | 84.0 | .8 | 164.5 | .00 | .5 | 195.1 | .02 |
| 22:30 | 26.2 | 991.00 | 82.0 | .8 | 154.1 | -.06 | .7 | 198.7 | -.05 |
| 22:35 | 26.2 | 991.00 | 82.0 | .9 | 159.8 | -.09 | .9 | 185.4 | -.06 |
| 22:40 | 26.0 | 991.00 | 81.0 | 1.2 | 153.5 | -.03 | 1.1 | 180.5 | -.03 |
| 22:45 | 26.0 | 991.00 | 81.0 | 1.2 | 143.9 | -.07 | 1.2 | 169.7 | -.07 |
| 22:50 | 25.8 | 991.00 | 81.0 | .6 | 82.5 | -.06 | .9 | 152.5 | -.04 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

6/16/2022

Interval: 005m

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 00:00 | .8 | 235.0 | -.03 | 1.3 | 203.6 | -.03 | 2.1 | 190.1 | -.04 |
| 00:05 | .7 | 273.5 | .00 | .9 | 208.1 | -.02 | 1.7 | 187.5 | .00 |
| 00:10 | 1.0 | 291.4 | -.14 | .8 | 247.4 | -.07 | 1.3 | 203.1 | -.02 |
| 00:15 | .8 | 302.1 | -.03 | .7 | 230.7 | .03 | 1.3 | 201.2 | .08 |
| 00:20 | .7 | 311.4 | -.05 | .5 | 232.2 | .02 | 1.2 | 200.8 | .04 |
| 00:25 | .6 | 319.9 | .03 | .5 | 257.1 | .03 | .9 | 215.0 | .02 |
| 00:30 | .4 | 309.2 | -.03 | .8 | 231.5 | .00 | 1.2 | 212.2 | .03 |
| 00:35 | .4 | 344.8 | -.05 | .6 | 225.2 | -.02 | 1.3 | 213.5 | -.01 |
| 00:40 | .7 | 8.4 | -.10 | .5 | 253.7 | -.04 | 1.1 | 220.8 | -.03 |
| 00:45 | 1.1 | 13.5 | -.04 | .5 | 326.2 | -.01 | .8 | 263.2 | .02 |
| 00:50 | .9 | 349.7 | -.01 | .9 | 302.4 | .03 | 1.4 | 278.9 | .02 |
| 00:55 | .9 | 290.9 | .10 | 1.6 | 273.0 | .12 | 1.8 | 263.2 | .15 |
| 01:00 | 1.6 | 266.9 | -.02 | 2.0 | 259.6 | .00 | 2.3 | 260.6 | .03 |
| 01:05 | 1.4 | 272.3 | -.03 | 2.1 | 271.7 | -.02 | 2.4 | 267.9 | .01 |
| 01:10 | .9 | 293.3 | .02 | 1.7 | 271.3 | .03 | 2.0 | 263.9 | .05 |
| 01:15 | .7 | 289.7 | .03 | 1.3 | 261.9 | .05 | 1.8 | 259.3 | .05 |
| 01:20 | .5 | 278.3 | -.05 | 1.1 | 252.5 | -.04 | 1.5 | 255.0 | -.02 |
| 01:25 | .3 | 183.7 | .01 | 1.0 | 233.1 | .03 | 1.5 | 238.3 | .04 |
| 01:30 | 2.2 | 147.4 | -.06 | 1.7 | 162.4 | -.03 | 1.7 | 186.0 | .01 |
| 01:35 | 3.6 | 144.7 | -.10 | 2.8 | 158.0 | -.04 | 2.3 | 173.9 | .01 |
| 01:40 | 3.5 | 156.9 | -.03 | 3.4 | 166.5 | .02 | 3.4 | 171.5 | .03 |
| 01:45 | 3.3 | 164.4 | -.03 | 3.5 | 172.8 | .01 | 3.5 | 175.0 | .01 |
| 01:50 | 3.3 | 155.8 | -.11 | 3.5 | 165.3 | -.09 | 3.4 | 175.7 | -.08 |
| 01:55 | 3.8 | 157.8 | -.15 | 4.1 | 165.3 | -.12 | 4.0 | 172.3 | -.10 |
| 02:00 | 3.0 | 169.1 | -.04 | 3.5 | 176.3 | -.04 | 3.6 | 183.6 | -.03 |
| 02:05 | 2.4 | 164.7 | -.01 | 2.7 | 181.4 | .01 | 3.4 | 187.3 | -.01 |
| 02:10 | 1.6 | 190.5 | .11 | 2.3 | 200.0 | .15 | 2.8 | 207.9 | .16 |
| 02:15 | 1.3 | 220.0 | -.05 | 2.2 | 217.1 | -.03 | 2.8 | 226.8 | -.01 |
| 02:20 | 1.0 | 226.6 | .04 | 1.8 | 215.2 | .07 | 2.7 | 213.8 | .09 |
| 02:25 | 1.1 | 212.1 | .03 | 1.9 | 210.1 | .01 | 2.7 | 218.9 | -.01 |
| 02:30 | 1.3 | 201.2 | .03 | 2.3 | 206.6 | .04 | 3.1 | 215.5 | .04 |
| 02:35 | 1.7 | 195.4 | .04 | 2.4 | 198.5 | .04 | 3.3 | 208.9 | .05 |
| 02:40 | 2.1 | 215.3 | -.05 | 2.6 | 212.3 | -.04 | 3.4 | 209.6 | -.07 |
| 02:45 | 1.1 | 230.5 | .09 | 1.6 | 220.6 | .09 | 2.7 | 221.6 | .07 |
| 02:50 | .7 | 237.2 | .08 | 1.5 | 220.4 | .08 | 2.6 | 221.3 | .09 |
| 02:55 | .8 | 189.1 | .06 | 1.9 | 210.6 | .09 | 3.1 | 220.3 | .09 |
| 03:00 | 1.1 | 180.8 | .04 | 2.2 | 206.7 | .06 | 3.5 | 216.0 | .10 |
| 03:05 | 2.0 | 183.9 | .03 | 3.0 | 202.5 | .07 | 4.2 | 210.9 | .11 |
| 03:10 | 2.6 | 199.9 | .00 | 3.6 | 208.4 | .04 | 4.8 | 213.9 | .03 |
| 03:15 | 2.3 | 221.2 | .08 | 3.4 | 224.4 | .04 | 4.3 | 224.1 | .02 |
| 03:20 | 1.0 | 248.9 | -.11 | 1.8 | 246.2 | -.08 | 2.8 | 238.8 | -.06 |
| 03:25 | .5 | 257.4 | -.02 | .9 | 241.3 | .02 | 2.0 | 239.4 | .04 |
| 03:30 | .3 | 236.6 | -.01 | 1.2 | 229.7 | -.04 | 2.3 | 235.5 | -.02 |
| 03:35 | .4 | 314.4 | .06 | .6 | 226.9 | .00 | 1.7 | 235.2 | -.02 |
| 03:40 | .7 | 243.5 | .07 | 1.8 | 240.7 | -.01 | 3.2 | 239.0 | -.04 |
| 03:45 | 2.9 | 233.9 | .04 | 4.0 | 233.9 | .04 | 5.0 | 233.6 | .12 |
| 03:50 | 3.2 | 222.9 | .13 | 4.3 | 222.6 | .08 | 5.1 | 225.3 | .10 |
| 03:55 | 3.6 | 231.6 | .04 | 4.5 | 231.2 | .07 | 5.2 | 230.1 | .07 |
| 04:00 | 3.2 | 246.2 | .09 | 3.9 | 240.9 | .05 | 4.6 | 240.1 | .01 |
| 04:05 | 3.3 | 247.7 | .12 | 4.1 | 243.1 | .09 | 4.8 | 240.1 | .11 |
| 04:10 | 2.9 | 245.2 | .02 | 3.5 | 243.0 | .04 | 4.1 | 241.6 | .05 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 04:15 | 1.6 | 236.8 | .07 | 2.2 | 236.3 | .06 | 2.7 | 238.0 | .09 |
| 04:20 | 2.3 | 217.7 | .11 | 2.9 | 224.2 | .14 | 3.6 | 225.7 | .15 |
| 04:25 | 2.6 | 207.9 | .05 | 2.9 | 214.9 | .10 | 3.6 | 219.8 | .12 |
| 04:30 | 2.4 | 206.9 | -.05 | 2.8 | 213.4 | -.01 | 3.2 | 220.6 | .02 |
| 04:35 | 2.4 | 212.6 | -.02 | 2.8 | 217.8 | .01 | 3.4 | 224.2 | .01 |
| 04:40 | 2.7 | 212.4 | .07 | 3.2 | 218.2 | .09 | 3.6 | 223.6 | .10 |
| 04:45 | 2.8 | 213.1 | .10 | 3.3 | 218.5 | .15 | 3.6 | 222.5 | .18 |
| 04:50 | 3.3 | 218.4 | -.03 | 3.7 | 222.9 | .04 | 4.0 | 226.3 | .03 |
| 04:55 | 3.2 | 214.6 | .01 | 3.9 | 221.1 | .01 | 4.5 | 224.7 | -.01 |
| 05:00 | 2.4 | 224.9 | -.05 | 3.3 | 229.2 | -.01 | 4.1 | 231.3 | .03 |
| 05:05 | 2.3 | 229.5 | .06 | 3.2 | 231.0 | .05 | 3.9 | 231.1 | .04 |
| 05:10 | 2.3 | 220.9 | .06 | 3.1 | 224.2 | .10 | 3.8 | 226.1 | .13 |
| 05:15 | 1.9 | 232.0 | .04 | 2.8 | 231.0 | .03 | 3.6 | 229.6 | .07 |
| 05:20 | 1.7 | 255.4 | .03 | 2.6 | 245.8 | .04 | 3.3 | 242.9 | .07 |
| 05:25 | 1.7 | 268.7 | .02 | 2.4 | 252.6 | .05 | 3.2 | 248.4 | .09 |
| 05:30 | 2.1 | 271.8 | -.01 | 2.8 | 260.9 | .00 | 3.5 | 253.3 | .00 |
| 05:35 | 2.0 | 278.5 | -.07 | 2.8 | 268.1 | -.05 | 3.3 | 259.6 | -.03 |
| 05:40 | 1.8 | 247.1 | .05 | 2.6 | 248.5 | .05 | 3.3 | 243.1 | .06 |
| 05:45 | 2.3 | 239.6 | .13 | 3.2 | 238.9 | .18 | 3.9 | 236.4 | .22 |
| 05:50 | 2.3 | 239.1 | .12 | 3.1 | 241.2 | .18 | 3.6 | 239.9 | .22 |
| 05:55 | 2.3 | 248.6 | .08 | 2.9 | 244.6 | .09 | 3.1 | 247.5 | .11 |
| 06:00 | 2.3 | 251.0 | .00 | 2.8 | 248.2 | .03 | 2.6 | 252.4 | .04 |
| 06:05 | 2.3 | 222.2 | .10 | 2.9 | 227.7 | .11 | 2.9 | 230.4 | .11 |
| 06:10 | 2.2 | 210.6 | .12 | 2.7 | 218.9 | .12 | 2.8 | 222.1 | .15 |
| 06:15 | 1.9 | 219.4 | .16 | 2.3 | 226.1 | .18 | 2.3 | 233.6 | .18 |
| 06:20 | 2.1 | 212.3 | .12 | 2.3 | 221.1 | .15 | 1.9 | 227.0 | .13 |
| 06:25 | 2.1 | 209.2 | .15 | 2.3 | 221.7 | .16 | 1.9 | 227.4 | .13 |
| 06:30 | 2.2 | 197.1 | .12 | 2.3 | 209.9 | .15 | 2.1 | 216.2 | .15 |
| 06:35 | 2.4 | 199.1 | .07 | 2.4 | 212.1 | .07 | 2.2 | 216.1 | .07 |
| 06:40 | 3.0 | 191.9 | .09 | 3.2 | 203.9 | .09 | 3.0 | 212.4 | .09 |
| 06:45 | 3.1 | 191.2 | .04 | 3.7 | 197.9 | .05 | 3.3 | 204.1 | .10 |
| 06:50 | 3.2 | 189.4 | .05 | 3.6 | 196.4 | .08 | 3.1 | 204.1 | .10 |
| 06:55 | 2.7 | 187.1 | .08 | 3.2 | 196.1 | .10 | 2.9 | 205.9 | .09 |
| 07:00 | 2.7 | 191.7 | .02 | 3.1 | 199.1 | .06 | 3.2 | 208.2 | .07 |
| 07:05 | 2.4 | 191.3 | .05 | 3.0 | 197.5 | .09 | 2.9 | 204.3 | .11 |
| 07:10 | 1.9 | 202.0 | .02 | 2.6 | 199.6 | .08 | 3.0 | 204.3 | .11 |
| 07:15 | 1.8 | 218.6 | .10 | 2.4 | 209.7 | .12 | 3.1 | 210.7 | .15 |
| 07:20 | 2.4 | 219.2 | .07 | 2.9 | 212.6 | .07 | 3.5 | 213.7 | .07 |
| 07:25 | 2.4 | 230.5 | .03 | 3.0 | 224.7 | .06 | 3.8 | 224.2 | .05 |
| 07:30 | 2.7 | 233.6 | .04 | 3.2 | 230.4 | .05 | 3.7 | 227.9 | .04 |
| 07:35 | 2.4 | 238.9 | -.04 | 3.0 | 233.3 | -.03 | 3.6 | 234.0 | -.05 |
| 07:40 | 2.7 | 230.8 | .00 | 3.3 | 229.8 | .00 | 3.7 | 234.4 | .01 |
| 07:45 | 2.6 | 225.7 | -.01 | 3.3 | 228.8 | -.03 | 3.5 | 233.7 | -.02 |
| 07:50 | 2.7 | 218.8 | .03 | 3.3 | 221.3 | .03 | 3.8 | 228.7 | .01 |
| 07:55 | 2.4 | 204.4 | -.02 | 2.8 | 208.5 | -.03 | 3.5 | 217.3 | .00 |
| 08:00 | 3.2 | 211.8 | .03 | 3.8 | 215.9 | .04 | 4.2 | 221.5 | .07 |
| 08:05 | 3.5 | 220.1 | .11 | 4.1 | 221.3 | .13 | 4.5 | 225.4 | .13 |
| 08:10 | 3.3 | 224.3 | .11 | 3.8 | 225.8 | .14 | 4.4 | 228.5 | .15 |
| 08:15 | 3.3 | 223.3 | .01 | 3.8 | 223.6 | .05 | 4.3 | 227.7 | .10 |
| 08:20 | 3.1 | 230.0 | .01 | 3.7 | 231.0 | .03 | 4.5 | 233.2 | .08 |
| 08:25 | 3.5 | 233.4 | .02 | 4.2 | 234.0 | .04 | 4.9 | 235.4 | .07 |
| 08:30 | 3.6 | 228.0 | .00 | 4.1 | 228.3 | .07 | 4.9 | 228.3 | .11 |
| 08:35 | 3.3 | 218.2 | -.01 | 3.8 | 218.6 | .02 | 4.3 | 222.3 | .05 |
| 08:40 | 2.4 | 222.1 | .03 | 2.8 | 224.2 | .08 | 3.5 | 226.7 | .06 |
| 08:45 | 1.9 | 217.0 | -.05 | 2.4 | 223.1 | -.02 | 3.1 | 226.6 | .02 |
| 08:50 | 1.6 | 215.7 | .08 | 2.0 | 227.1 | .02 | 2.4 | 228.4 | -.05 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 08:55 | 1.6 | 225.6 | -.03 | 2.0 | 232.1 | -.04 | 2.5 | 236.5 | -.02 |
| 09:00 | 1.3 | 225.7 | .04 | 1.6 | 237.3 | .02 | 2.0 | 242.4 | -.02 |
| 09:05 | 1.4 | 239.5 | .10 | 1.8 | 247.1 | .11 | 2.1 | 245.4 | .04 |
| 09:10 | 1.7 | 240.8 | .30 | 1.9 | 246.8 | .30 | 2.0 | 249.9 | .27 |
| 09:15 | 1.4 | 217.0 | .22 | 1.3 | 226.4 | .32 | 1.3 | 238.3 | .43 |
| 09:20 | 1.7 | 244.4 | .19 | 1.7 | 249.1 | .24 | 1.8 | 251.2 | .26 |
| 09:25 | 1.8 | 230.5 | .06 | 2.0 | 227.1 | .05 | 2.2 | 224.3 | .06 |
| 09:30 | 1.5 | 215.6 | -.21 | 1.5 | 210.6 | -.20 | 1.5 | 202.8 | -.12 |
| 09:35 | 1.6 | 167.6 | -.22 | 1.6 | 164.0 | -.16 | 1.6 | 163.6 | -.11 |
| 09:40 | 1.6 | 160.6 | -.30 | 1.6 | 165.8 | -.30 | 1.8 | 174.1 | -.21 |
| 09:45 | 1.8 | 176.4 | -.08 | 2.0 | 181.8 | -.05 | 2.1 | 183.2 | -.01 |
| 09:50 | 2.0 | 159.8 | .04 | 1.9 | 166.8 | .11 | 1.8 | 174.1 | .11 |
| 09:55 | 1.8 | 146.3 | -.11 | 1.9 | 150.6 | -.04 | 1.7 | 151.1 | .00 |
| 10:00 | 1.7 | 103.6 | -.36 | 1.5 | 112.8 | -.28 | 1.2 | 110.9 | -.09 |
| 10:05 | 2.2 | 78.4 | -.25 | 2.2 | 76.8 | -.34 | 2.1 | 85.2 | -.37 |
| 10:10 | 2.1 | 80.0 | -.43 | 2.2 | 74.6 | -.31 | 2.3 | 75.5 | -.21 |
| 10:15 | 1.4 | 82.6 | -.41 | 1.7 | 79.1 | -.27 | 1.9 | 77.7 | -.10 |
| 10:20 | 1.4 | 318.1 | .07 | 1.3 | 303.0 | .04 | 1.0 | 306.8 | .13 |
| 10:25 | 1.0 | 357.1 | .24 | .8 | 51.4 | .22 | .9 | 76.7 | .18 |
| 10:30 | .8 | 105.2 | -.23 | .9 | 57.4 | -.20 | 1.2 | 35.8 | -.25 |
| 10:35 | 2.0 | 186.0 | .03 | 1.9 | 187.3 | .05 | 1.9 | 195.5 | .05 |
| 10:40 | 1.2 | 203.7 | .45 | 1.1 | 209.9 | .51 | 1.1 | 216.9 | .63 |
| 10:45 | 1.2 | 217.1 | .38 | 1.1 | 219.9 | .51 | 1.1 | 221.2 | .59 |
| 10:50 | 1.6 | 189.6 | -.28 | 1.5 | 179.1 | -.03 | 1.2 | 178.6 | -.01 |
| 10:55 | 1.7 | 138.5 | -.11 | 1.7 | 153.5 | -.01 | 1.6 | 166.6 | .07 |
| 11:00 | 1.4 | 108.9 | .49 | 1.6 | 109.4 | .49 | 1.7 | 114.5 | .44 |
| 11:05 | 2.5 | 137.4 | .15 | 2.1 | 133.7 | .22 | 2.0 | 137.0 | .24 |
| 11:10 | 1.8 | 154.5 | .44 | 1.7 | 160.0 | .60 | 1.8 | 165.7 | .70 |
| 11:15 | 1.6 | 165.3 | -.71 | 1.7 | 169.5 | -.66 | 1.9 | 181.4 | -.49 |
| 11:20 | 1.6 | 171.3 | .31 | 1.7 | 168.3 | .31 | 1.9 | 167.8 | .38 |
| 11:25 | 1.6 | 143.7 | .31 | 1.8 | 143.4 | .43 | 1.9 | 152.1 | .39 |
| 11:30 | 1.7 | 166.1 | -.20 | 1.7 | 171.5 | -.06 | 1.7 | 176.3 | .17 |
| 11:35 | 1.7 | 207.0 | .18 | 1.6 | 208.4 | .14 | 1.5 | 204.7 | .01 |
| 11:40 | 1.6 | 200.8 | -.14 | 1.7 | 212.7 | -.27 | 1.7 | 220.4 | -.30 |
| 11:45 | 1.4 | 224.6 | -.85 | 1.3 | 176.4 | -.97 | 1.3 | 168.9 | -1.11 |
| 11:50 | 1.8 | 278.5 | .08 | 2.0 | 295.4 | .07 | 2.3 | 300.7 | .04 |
| 11:55 | 1.8 | 95.3 | -.25 | 1.6 | 110.2 | -.20 | 1.3 | 135.1 | -.27 |
| 12:00 | 1.0 | 43.7 | -.62 | .8 | 55.6 | -.42 | .8 | 38.8 | -.47 |
| 12:05 | 2.2 | 144.6 | -.23 | 2.2 | 143.1 | -.31 | 2.1 | 137.9 | -.26 |
| 12:10 | 2.3 | 210.2 | .41 | 2.4 | 203.5 | .42 | 2.5 | 198.0 | .35 |
| 12:15 | 2.4 | 186.0 | .36 | 2.5 | 178.5 | .39 | 2.5 | 175.7 | .38 |
| 12:20 | 1.8 | 217.9 | -.08 | 1.9 | 218.1 | -.06 | 2.0 | 214.9 | -.12 |
| 12:25 | 2.0 | 233.1 | .52 | 1.8 | 236.4 | .60 | 1.6 | 238.8 | .66 |
| 12:30 | 1.3 | 190.5 | .16 | 1.3 | 197.3 | .12 | 1.4 | 198.2 | .35 |
| 12:35 | 1.7 | 171.4 | .84 | 1.7 | 172.1 | .92 | 1.6 | 171.2 | .90 |
| 12:40 | 1.6 | 188.0 | .14 | 1.4 | 193.3 | .34 | 1.1 | 193.9 | .37 |
| 12:45 | 1.7 | 175.7 | -.33 | 1.8 | 179.6 | -.29 | 1.8 | 180.7 | -.27 |
| 12:50 | 1.6 | 236.7 | -.48 | 1.8 | 245.9 | -.46 | 2.0 | 246.2 | -.38 |
| 12:55 | 2.1 | 252.3 | -.81 | 2.2 | 256.5 | -.93 | 2.1 | 258.9 | -1.13 |
| 13:00 | 2.3 | 179.1 | -.27 | 2.4 | 179.9 | -.24 | 2.5 | 182.1 | -.22 |
| 13:05 | 2.7 | 127.0 | -.51 | 2.7 | 131.6 | -.34 | 2.7 | 131.9 | -.08 |
| 13:10 | 1.9 | 134.8 | .11 | 1.8 | 139.3 | .46 | 1.6 | 145.2 | .73 |
| 13:15 | 3.1 | 127.4 | .00 | 3.4 | 126.1 | -.04 | 3.4 | 126.6 | -.08 |
| 13:20 | 1.9 | 206.0 | -.12 | 1.8 | 202.9 | -.14 | 1.8 | 196.3 | -.20 |
| 13:25 | 2.7 | 163.3 | .03 | 2.7 | 158.8 | .09 | 2.9 | 154.6 | .14 |
| 13:30 | 2.7 | 132.2 | -.13 | 2.5 | 136.3 | -.06 | 2.3 | 140.7 | -.11 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 13:35 | 3.4 | 142.9 | -.42 | 3.4 | 143.6 | -.37 | 3.5 | 144.5 | -.26 |
| 13:40 | 3.1 | 189.9 | -.12 | 3.3 | 190.3 | .01 | 3.4 | 188.8 | -.03 |
| 13:45 | 3.1 | 192.5 | .27 | 3.0 | 194.0 | .47 | 3.1 | 192.6 | .61 |
| 13:50 | 3.4 | 188.9 | -.15 | 3.4 | 194.0 | -.14 | 3.4 | 200.0 | -.17 |
| 13:55 | 3.8 | 200.3 | -.03 | 3.8 | 200.1 | -.07 | 3.7 | 198.4 | -.07 |
| 14:00 | 4.3 | 241.1 | -.13 | 4.5 | 241.2 | -.23 | 4.5 | 241.0 | -.34 |
| 14:05 | 3.8 | 237.1 | .39 | 3.8 | 238.8 | .45 | 3.6 | 238.3 | .45 |
| 14:10 | 4.0 | 257.2 | .15 | 3.9 | 257.4 | .18 | 3.7 | 257.2 | .11 |
| 14:15 | 3.5 | 251.6 | -.03 | 3.5 | 251.4 | .07 | 3.6 | 249.3 | .18 |
| 14:20 | 3.8 | 225.5 | -.24 | 4.0 | 226.5 | -.18 | 4.2 | 224.4 | -.21 |
| 14:25 | 4.5 | 203.0 | -.08 | 4.6 | 203.5 | -.12 | 4.6 | 204.2 | -.09 |
| 14:30 | 2.8 | 211.3 | .02 | 2.9 | 212.6 | .02 | 2.8 | 216.6 | -.03 |
| 14:35 | 3.7 | 197.1 | .27 | 3.8 | 200.9 | .22 | 4.0 | 203.3 | .22 |
| 14:40 | 4.2 | 197.1 | .47 | 4.4 | 194.8 | .53 | 4.6 | 194.7 | .60 |
| 14:45 | 3.9 | 206.8 | -.50 | 4.0 | 209.5 | -.40 | 4.2 | 211.0 | -.20 |
| 14:50 | 5.4 | 223.7 | .27 | 5.5 | 225.0 | .26 | 5.5 | 225.8 | .21 |
| 14:55 | 3.5 | 228.1 | .35 | 3.5 | 232.1 | .49 | 3.5 | 234.8 | .58 |
| 15:00 | 3.0 | 263.2 | -.11 | 3.2 | 258.6 | -.12 | 3.5 | 255.6 | -.11 |
| 15:05 | 3.6 | 263.8 | .18 | 3.8 | 262.0 | .25 | 3.8 | 260.1 | .26 |
| 15:10 | 3.9 | 227.3 | -.05 | 4.0 | 227.5 | .07 | 3.9 | 230.2 | .12 |
| 15:15 | 2.6 | 238.3 | .17 | 2.7 | 239.1 | .28 | 2.7 | 238.0 | .20 |
| 15:20 | 2.9 | 220.4 | -.14 | 3.2 | 219.9 | -.08 | 3.0 | 221.6 | -.14 |
| 15:25 | 3.4 | 266.7 | .37 | 3.4 | 263.5 | .50 | 3.5 | 261.1 | .57 |
| 15:30 | 3.1 | 270.2 | -.25 | 3.4 | 268.7 | -.19 | 3.6 | 269.1 | -.03 |
| 15:35 | 2.6 | 254.8 | .43 | 2.6 | 255.0 | .57 | 2.6 | 252.9 | .73 |
| 15:40 | 2.0 | 247.5 | -.35 | 2.2 | 251.7 | -.51 | 2.4 | 255.9 | -.58 |
| 15:45 | 3.6 | 258.9 | -.23 | 3.7 | 257.7 | -.13 | 3.8 | 255.7 | -.05 |
| 15:50 | 3.1 | 232.8 | -.24 | 3.2 | 232.6 | -.16 | 3.5 | 230.3 | -.14 |
| 15:55 | 2.6 | 222.2 | -.26 | 2.7 | 218.2 | -.19 | 3.0 | 216.8 | -.07 |
| 16:00 | 2.1 | 189.9 | -.16 | 1.7 | 191.5 | -.20 | 1.6 | 205.2 | -.13 |
| 16:05 | 3.4 | 229.3 | -.66 | 3.4 | 233.8 | -.68 | 3.6 | 231.8 | -.67 |
| 16:10 | 4.5 | 233.4 | .19 | 4.6 | 235.3 | .28 | 4.6 | 236.0 | .33 |
| 16:15 | 4.1 | 231.5 | .25 | 4.2 | 231.8 | .35 | 4.3 | 232.5 | .42 |
| 16:20 | 3.5 | 240.4 | .04 | 3.7 | 241.1 | .10 | 3.9 | 242.6 | .17 |
| 16:25 | 3.6 | 226.9 | .02 | 3.8 | 225.0 | .04 | 3.9 | 225.2 | .06 |
| 16:30 | 3.9 | 220.3 | -.24 | 3.9 | 222.3 | -.16 | 3.9 | 223.1 | -.09 |
| 16:35 | 2.3 | 255.3 | .01 | 2.3 | 252.2 | .18 | 2.2 | 245.6 | .24 |
| 16:40 | 3.4 | 216.8 | -.21 | 3.6 | 217.8 | -.12 | 3.5 | 219.0 | -.04 |
| 16:45 | 3.2 | 231.6 | .02 | 3.2 | 233.0 | .20 | 3.2 | 234.2 | .29 |
| 16:50 | 4.6 | 233.0 | .20 | 4.4 | 233.7 | .30 | 4.4 | 233.9 | .35 |
| 16:55 | 3.5 | 226.5 | .39 | 3.5 | 224.0 | .42 | 3.6 | 222.0 | .50 |
| 17:00 | 3.0 | 219.9 | .35 | 3.0 | 222.7 | .35 | 3.0 | 222.7 | .34 |
| 17:05 | 3.4 | 216.8 | .15 | 3.7 | 217.1 | .15 | 4.0 | 216.6 | .17 |
| 17:10 | 3.8 | 217.7 | .14 | 3.8 | 223.1 | .21 | 3.9 | 228.5 | .32 |
| 17:15 | 2.8 | 225.9 | -.09 | 3.1 | 223.6 | -.16 | 3.0 | 220.7 | -.14 |
| 17:20 | 3.7 | 218.2 | -.32 | 3.9 | 221.9 | -.32 | 4.0 | 222.9 | -.27 |
| 17:25 | 4.5 | 255.7 | .00 | 4.6 | 255.9 | .10 | 4.7 | 258.4 | .21 |
| 17:30 | 3.8 | 227.4 | .13 | 3.9 | 228.6 | .18 | 4.0 | 230.1 | .18 |
| 17:35 | 3.9 | 229.8 | -.16 | 4.2 | 229.3 | -.15 | 4.3 | 227.5 | -.15 |
| 17:40 | 4.8 | 243.0 | .29 | 5.0 | 243.0 | .33 | 5.0 | 243.3 | .42 |
| 17:45 | 4.1 | 244.4 | .67 | 4.1 | 245.6 | .84 | 4.1 | 246.0 | .90 |
| 17:50 | 2.7 | 264.9 | .31 | 2.7 | 263.9 | .44 | 2.6 | 259.6 | .47 |
| 17:55 | 1.7 | 288.5 | .11 | 1.5 | 294.9 | .15 | 1.5 | 300.5 | .19 |
| 18:00 | 1.8 | 227.6 | -.33 | 2.0 | 237.5 | -.45 | 2.2 | 242.7 | -.45 |
| 18:05 | 3.9 | 253.8 | -.28 | 4.2 | 257.7 | -.49 | 4.3 | 259.7 | -.62 |
| 18:10 | 3.4 | 227.4 | -.42 | 3.6 | 228.3 | -.42 | 3.7 | 228.6 | -.38 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 18:15 | 3.0 | 211.4 | -.07 | 3.2 | 213.8 | .02 | 3.6 | 216.3 | .15 |
| 18:20 | 3.3 | 216.4 | -.26 | 3.4 | 222.7 | -.26 | 3.4 | 225.8 | -.26 |
| 18:25 | 4.4 | 228.9 | .21 | 4.5 | 226.3 | .26 | 4.6 | 224.6 | .32 |
| 18:30 | 3.8 | 216.2 | -.08 | 4.1 | 217.7 | -.02 | 4.3 | 221.2 | -.03 |
| 18:35 | 3.8 | 238.8 | -.70 | 3.9 | 237.7 | -.66 | 3.9 | 236.6 | -.59 |
| 18:40 | 4.0 | 230.2 | -.35 | 4.2 | 230.7 | -.25 | 4.3 | 232.1 | -.14 |
| 18:45 | 3.7 | 232.8 | -.23 | 3.9 | 234.4 | -.29 | 3.9 | 236.9 | -.36 |
| 18:50 | 4.1 | 231.5 | -.17 | 4.3 | 231.9 | -.15 | 4.4 | 232.4 | -.21 |
| 18:55 | 4.4 | 248.9 | .06 | 4.5 | 250.5 | .17 | 4.5 | 251.0 | .32 |
| 19:00 | 4.7 | 239.5 | -.07 | 4.7 | 239.4 | -.01 | 4.8 | 240.6 | .03 |
| 19:05 | 3.6 | 242.9 | -.41 | 3.5 | 245.2 | -.47 | 3.7 | 247.0 | -.60 |
| 19:10 | 5.3 | 243.6 | .03 | 5.5 | 243.1 | .03 | 5.7 | 241.6 | .09 |
| 19:15 | 4.8 | 237.3 | .02 | 5.0 | 236.5 | -.01 | 5.2 | 235.8 | .01 |
| 19:20 | 3.8 | 224.6 | -.01 | 4.0 | 225.9 | .00 | 4.1 | 224.9 | -.01 |
| 19:25 | 3.5 | 211.9 | -.18 | 3.7 | 213.9 | -.11 | 3.9 | 215.2 | -.08 |
| 19:30 | 3.9 | 217.5 | -.15 | 4.1 | 219.6 | -.02 | 4.2 | 220.4 | .04 |
| 19:35 | 4.6 | 224.8 | .04 | 4.9 | 225.2 | .05 | 5.0 | 225.6 | .06 |
| 19:40 | 4.0 | 218.5 | -.10 | 4.4 | 219.8 | -.01 | 4.5 | 221.9 | .03 |
| 19:45 | 3.7 | 223.2 | -.14 | 4.0 | 224.7 | -.13 | 4.1 | 225.7 | -.14 |
| 19:50 | 3.3 | 219.8 | -.11 | 3.5 | 221.0 | -.11 | 3.8 | 220.5 | -.07 |
| 19:55 | 2.7 | 203.2 | -.22 | 2.8 | 206.4 | -.26 | 3.0 | 208.6 | -.27 |
| 20:00 | 3.7 | 201.3 | -.11 | 3.9 | 204.4 | -.09 | 4.1 | 206.8 | -.07 |
| 20:05 | 3.8 | 200.5 | -.12 | 4.0 | 201.1 | -.05 | 4.2 | 202.7 | -.03 |
| 20:10 | 3.5 | 199.2 | -.16 | 3.9 | 200.5 | -.11 | 4.2 | 202.3 | -.08 |
| 20:15 | 3.6 | 204.7 | -.21 | 4.0 | 207.4 | -.12 | 4.4 | 208.8 | -.08 |
| 20:20 | 3.3 | 207.4 | -.16 | 3.6 | 209.9 | -.10 | 4.0 | 212.5 | -.07 |
| 20:25 | 3.2 | 202.9 | -.13 | 3.5 | 206.3 | -.07 | 3.9 | 208.4 | -.07 |
| 20:30 | 3.7 | 207.6 | -.09 | 4.1 | 209.1 | -.06 | 4.5 | 209.3 | -.05 |
| 20:35 | 4.2 | 211.7 | -.11 | 4.8 | 211.4 | -.07 | 5.2 | 211.1 | -.05 |
| 20:40 | 4.0 | 211.6 | -.12 | 4.6 | 210.5 | -.11 | 5.2 | 209.7 | -.08 |
| 20:45 | 4.0 | 208.0 | -.18 | 4.7 | 207.7 | -.16 | 5.2 | 207.5 | -.17 |
| 20:50 | 4.1 | 207.4 | -.19 | 4.8 | 206.0 | -.19 | 5.3 | 205.8 | -.18 |
| 20:55 | 3.9 | 206.3 | -.22 | 4.6 | 205.3 | -.24 | 5.1 | 204.4 | -.23 |
| 21:00 | 3.4 | 204.1 | -.23 | 3.9 | 204.4 | -.25 | 4.6 | 202.8 | -.29 |
| 21:05 | 2.9 | 204.3 | -.16 | 3.4 | 204.2 | -.18 | 4.1 | 203.1 | -.22 |
| 21:10 | 2.6 | 205.6 | -.11 | 3.2 | 205.2 | -.13 | 3.9 | 205.5 | -.18 |
| 21:15 | 1.9 | 224.0 | -.12 | 2.7 | 213.3 | -.15 | 3.7 | 210.7 | -.17 |
| 21:20 | 1.8 | 238.8 | -.03 | 2.4 | 222.7 | -.02 | 3.5 | 215.0 | -.04 |
| 21:25 | 2.0 | 244.5 | -.03 | 2.4 | 231.1 | .03 | 3.1 | 221.6 | .02 |
| 21:30 | 2.1 | 242.3 | .00 | 2.5 | 231.3 | .06 | 3.3 | 222.1 | .07 |
| 21:35 | 1.5 | 255.5 | -.04 | 2.1 | 236.0 | .00 | 2.7 | 225.7 | .01 |
| 21:40 | 1.4 | 263.0 | -.01 | 1.7 | 248.7 | .02 | 2.1 | 233.9 | .03 |
| 21:45 | 1.9 | 257.0 | -.01 | 2.0 | 247.8 | .00 | 2.1 | 237.1 | .01 |
| 21:50 | 1.8 | 262.7 | .00 | 2.3 | 251.8 | .01 | 2.4 | 242.5 | .03 |
| 21:55 | 2.0 | 270.9 | -.02 | 2.4 | 263.0 | .00 | 2.7 | 251.3 | .02 |
| 22:00 | 2.3 | 273.4 | -.06 | 2.6 | 268.2 | -.01 | 2.7 | 260.2 | .01 |
| 22:05 | 2.0 | 273.4 | -.03 | 2.6 | 267.5 | .00 | 2.9 | 265.3 | .03 |
| 22:10 | 1.5 | 276.4 | -.04 | 2.3 | 272.1 | -.04 | 2.7 | 267.4 | -.03 |
| 22:15 | 1.2 | 267.6 | -.05 | 2.2 | 266.5 | -.01 | 2.8 | 262.7 | .02 |
| 22:20 | 1.1 | 237.8 | -.05 | 2.1 | 256.0 | -.01 | 2.8 | 256.0 | .00 |
| 22:25 | 1.1 | 249.8 | .04 | 1.9 | 262.1 | .06 | 2.4 | 263.9 | .08 |
| 22:30 | 1.2 | 251.9 | -.03 | 1.9 | 262.5 | .01 | 2.6 | 260.9 | .05 |
| 22:35 | 1.1 | 231.1 | -.01 | 1.6 | 254.8 | .01 | 2.4 | 256.8 | .02 |
| 22:40 | 1.2 | 219.3 | -.01 | 1.7 | 248.6 | .01 | 2.5 | 254.1 | .02 |
| 22:45 | 1.1 | 215.4 | -.03 | 1.7 | 250.3 | -.01 | 2.5 | 254.2 | .01 |
| 22:50 | .8 | 202.2 | -.01 | 1.3 | 255.5 | .00 | 2.1 | 259.7 | .01 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

6/16/2022

Interval: 005m

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 00:00 | 2.8 | 184.0 | -.03 | 3.5 | 179.7 | .00 | 4.4 | 178.9 | -.02 |
| 00:05 | 2.4 | 181.7 | .01 | 3.0 | 180.6 | .00 | 3.8 | 182.3 | -.01 |
| 00:10 | 1.9 | 192.6 | .02 | 2.7 | 189.1 | .04 | 3.7 | 188.4 | .05 |
| 00:15 | 2.2 | 196.0 | .08 | 2.9 | 194.8 | .07 | 3.7 | 194.4 | .06 |
| 00:20 | 2.0 | 197.0 | .05 | 2.9 | 193.4 | .06 | 3.8 | 192.1 | .07 |
| 00:25 | 1.6 | 202.9 | .05 | 2.4 | 197.7 | .09 | 3.4 | 196.2 | .11 |
| 00:30 | 1.7 | 204.3 | .04 | 2.5 | 203.1 | .05 | 3.5 | 202.3 | .05 |
| 00:35 | 2.0 | 206.7 | .01 | 2.8 | 201.7 | -.01 | 3.6 | 202.2 | -.02 |
| 00:40 | 1.9 | 212.7 | -.05 | 2.6 | 206.9 | -.05 | 3.3 | 203.5 | -.06 |
| 00:45 | 1.3 | 234.2 | .02 | 2.0 | 220.4 | .00 | 2.7 | 209.3 | .00 |
| 00:50 | 1.5 | 259.6 | .00 | 1.8 | 244.1 | .03 | 2.2 | 230.1 | .05 |
| 00:55 | 1.9 | 253.8 | .17 | 2.2 | 247.2 | .14 | 2.5 | 243.2 | .16 |
| 01:00 | 2.6 | 261.4 | .04 | 2.8 | 259.0 | .06 | 3.0 | 253.5 | .04 |
| 01:05 | 2.6 | 264.0 | .01 | 2.9 | 263.6 | .01 | 2.7 | 265.9 | .05 |
| 01:10 | 2.4 | 260.8 | .07 | 2.6 | 257.7 | .07 | 2.8 | 253.8 | .07 |
| 01:15 | 2.1 | 256.7 | .06 | 2.4 | 250.6 | .06 | 2.7 | 248.4 | .04 |
| 01:20 | 1.9 | 253.3 | .01 | 2.1 | 247.7 | .01 | 2.4 | 248.3 | .02 |
| 01:25 | 1.8 | 242.9 | .06 | 2.0 | 242.7 | .05 | 2.6 | 245.7 | .05 |
| 01:30 | 1.8 | 207.6 | .01 | 2.0 | 211.2 | .00 | 2.5 | 225.5 | -.02 |
| 01:35 | 2.3 | 181.6 | .04 | 2.2 | 190.1 | .07 | 2.2 | 203.4 | .09 |
| 01:40 | 3.4 | 174.4 | .01 | 2.8 | 186.1 | .01 | 2.7 | 189.9 | .03 |
| 01:45 | 3.4 | 178.8 | .02 | 3.3 | 189.9 | .02 | 3.2 | 206.5 | .06 |
| 01:50 | 3.3 | 183.7 | -.07 | 3.1 | 192.0 | -.09 | 3.1 | 203.6 | -.07 |
| 01:55 | 3.6 | 179.7 | -.06 | 3.5 | 186.3 | -.05 | 3.3 | 197.4 | -.04 |
| 02:00 | 3.3 | 191.5 | -.03 | 3.1 | 201.1 | -.03 | 2.9 | 211.1 | -.02 |
| 02:05 | 3.4 | 197.2 | .00 | 3.4 | 205.1 | .00 | 3.5 | 212.2 | -.01 |
| 02:10 | 3.1 | 215.0 | .18 | 3.2 | 220.5 | .21 | 3.0 | 226.6 | .21 |
| 02:15 | 3.0 | 237.0 | .00 | 3.2 | 239.1 | .02 | 3.6 | 240.4 | .05 |
| 02:20 | 2.9 | 224.3 | .09 | 3.0 | 231.4 | .09 | 3.4 | 234.9 | .11 |
| 02:25 | 2.8 | 229.7 | -.02 | 3.1 | 230.7 | .04 | 3.3 | 229.1 | -.01 |
| 02:30 | 3.4 | 223.5 | .05 | 3.6 | 221.8 | .02 | 3.9 | 222.9 | .00 |
| 02:35 | 4.0 | 215.9 | .05 | 4.4 | 218.5 | .04 | 4.8 | 219.5 | -.02 |
| 02:40 | 4.3 | 217.2 | -.06 | 4.9 | 219.7 | -.05 | | | -.05 |
| 02:45 | 3.8 | 223.3 | .05 | 4.5 | 223.9 | .06 | 5.3 | 228.9 | .02 |
| 02:50 | 3.5 | 221.1 | .10 | 4.3 | 224.3 | .12 | 5.0 | 223.4 | .10 |
| 02:55 | 4.1 | 222.4 | .09 | 4.4 | 222.8 | .06 | 5.1 | 225.0 | .10 |
| 03:00 | 4.4 | 217.7 | .13 | 4.7 | 219.4 | .14 | 5.3 | 222.1 | .15 |
| 03:05 | 5.0 | 210.2 | .11 | 5.5 | 210.9 | .12 | 6.3 | 213.8 | .13 |
| 03:10 | | | .05 | | | .08 | | | .08 |
| 03:15 | 5.1 | 225.3 | .02 | 5.7 | 227.4 | .00 | 6.2 | 226.1 | .01 |
| 03:20 | 3.9 | 232.0 | -.09 | 4.7 | 229.9 | -.09 | 5.7 | 232.5 | -.09 |
| 03:25 | 2.4 | 233.7 | .00 | | | -.02 | | | -.02 |
| 03:30 | 3.4 | 233.2 | -.04 | 4.3 | 233.4 | -.05 | 5.0 | 231.0 | -.03 |
| 03:35 | 2.9 | 234.8 | -.01 | 4.0 | 233.2 | -.05 | | | -.02 |
| 03:40 | 3.8 | 235.0 | -.08 | | | -.08 | 5.1 | 222.4 | -.06 |
| 03:45 | 5.6 | 230.0 | .18 | 6.4 | 227.4 | .18 | 6.7 | 224.3 | .21 |
| 03:50 | 5.6 | 223.3 | .09 | 6.0 | 222.3 | .13 | 6.5 | 220.8 | .15 |
| 03:55 | 5.7 | 229.3 | .05 | 6.0 | 227.8 | .00 | 6.4 | 224.0 | .01 |
| 04:00 | 5.0 | 237.7 | .01 | 5.6 | 235.6 | .03 | 5.9 | 232.8 | .10 |
| 04:05 | 5.3 | 238.7 | .14 | 5.6 | 237.2 | .17 | 6.3 | 235.1 | .16 |
| 04:10 | 4.5 | 240.4 | .06 | 4.9 | 239.4 | .07 | 5.2 | 238.7 | .09 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 04:15 | 3.2 | 237.5 | .10 | 3.8 | 237.9 | .07 | 4.5 | 239.3 | .07 |
| 04:20 | 4.1 | 229.6 | .15 | 4.5 | 232.2 | .18 | 5.0 | 233.7 | .20 |
| 04:25 | 4.3 | 224.9 | .13 | 4.6 | 229.7 | .13 | 5.0 | 234.1 | .13 |
| 04:30 | 3.7 | 227.0 | .02 | 4.2 | 234.5 | .06 | 4.7 | 237.7 | .09 |
| 04:35 | 4.0 | 232.2 | .02 | 4.2 | 238.4 | .04 | 4.4 | 242.9 | .05 |
| 04:40 | 4.0 | 231.1 | .10 | 4.1 | 235.7 | .08 | 4.3 | 238.7 | .05 |
| 04:45 | 3.8 | 228.2 | .19 | 4.0 | 232.9 | .19 | 4.4 | 234.2 | .21 |
| 04:50 | 4.3 | 229.7 | .02 | 4.8 | 231.3 | .00 | 5.2 | 231.8 | .01 |
| 04:55 | 5.1 | 227.2 | -.02 | 5.7 | 228.3 | .01 | 6.2 | 230.2 | -.01 |
| 05:00 | 4.8 | 234.2 | .02 | 5.4 | 234.2 | .03 | 6.1 | 234.5 | .02 |
| 05:05 | 4.6 | 232.1 | .06 | 5.1 | 232.2 | .03 | 5.6 | 233.9 | .06 |
| 05:10 | 4.6 | 228.5 | .12 | 5.2 | 230.0 | .10 | 5.9 | 231.9 | .10 |
| 05:15 | 4.2 | 230.9 | .06 | 4.7 | 232.1 | .08 | 5.3 | 232.4 | .12 |
| 05:20 | 4.0 | 241.7 | .08 | 4.6 | 242.2 | .10 | 5.1 | 240.6 | .14 |
| 05:25 | 3.7 | 244.9 | .11 | 4.3 | 242.8 | .14 | 4.7 | 243.4 | .15 |
| 05:30 | 4.1 | 249.6 | .00 | 4.5 | 247.1 | .00 | 4.9 | 246.3 | .02 |
| 05:35 | 3.8 | 254.0 | -.02 | 4.3 | 250.4 | -.02 | 4.5 | 254.6 | -.04 |
| 05:40 | 4.0 | 240.9 | .08 | 4.3 | 242.2 | .09 | 4.0 | 247.9 | .07 |
| 05:45 | 4.2 | 239.0 | .25 | 4.0 | 244.0 | .26 | 3.4 | 253.0 | .26 |
| 05:50 | 3.7 | 243.9 | .24 | 3.2 | 251.6 | .19 | 2.9 | 261.4 | .15 |
| 05:55 | 2.8 | 255.2 | .12 | 2.6 | 272.0 | .11 | 2.5 | 284.6 | .11 |
| 06:00 | 2.5 | 265.8 | .06 | 2.5 | 282.0 | .07 | 2.8 | 292.7 | .08 |
| 06:05 | 2.7 | 238.6 | .09 | 2.3 | 255.8 | .06 | 2.2 | 271.5 | .03 |
| 06:10 | 2.4 | 228.4 | .17 | 2.1 | 242.5 | .19 | 2.2 | 260.1 | .20 |
| 06:15 | 1.9 | 249.5 | .12 | 2.1 | 270.0 | .10 | 2.6 | 275.3 | .09 |
| 06:20 | 1.6 | 249.1 | .08 | 1.9 | 266.5 | .08 | 2.4 | 269.9 | .06 |
| 06:25 | 1.6 | 246.4 | .08 | 2.0 | 259.9 | .08 | 2.3 | 264.7 | .08 |
| 06:30 | 1.6 | 222.6 | .11 | 1.6 | 244.2 | .08 | 2.2 | 257.5 | .10 |
| 06:35 | 1.7 | 221.1 | .06 | 1.8 | 239.6 | .08 | 2.4 | 254.3 | .10 |
| 06:40 | 2.6 | 215.7 | .08 | 2.2 | 221.1 | .07 | 2.4 | 238.6 | .09 |
| 06:45 | 2.6 | 207.6 | .12 | 2.3 | 214.4 | .14 | 2.1 | 226.5 | .15 |
| 06:50 | 2.5 | 206.6 | .09 | 2.1 | 209.8 | .10 | 2.0 | 226.1 | .12 |
| 06:55 | 2.2 | 209.0 | .07 | 2.1 | 220.4 | .06 | 1.8 | 230.4 | .07 |
| 07:00 | 2.6 | 215.0 | .08 | 2.2 | 215.5 | .09 | 2.0 | 221.9 | .05 |
| 07:05 | 2.5 | 205.4 | .12 | 2.1 | 207.3 | .10 | 1.9 | 215.1 | .11 |
| 07:10 | 2.3 | 209.6 | .09 | 1.9 | 215.4 | .06 | 1.7 | 223.5 | .03 |
| 07:15 | 2.9 | 220.0 | .13 | 2.5 | 225.9 | .10 | 2.1 | 229.3 | .08 |
| 07:20 | 3.5 | 222.7 | .08 | 2.9 | 227.1 | .09 | 2.6 | 227.7 | .08 |
| 07:25 | 3.6 | 229.5 | .05 | 3.3 | 234.9 | .05 | 2.9 | 235.1 | .06 |
| 07:30 | 3.7 | 232.4 | .05 | 3.3 | 235.7 | .03 | 3.0 | 236.1 | .04 |
| 07:35 | 3.5 | 238.0 | -.05 | 3.3 | 239.6 | -.02 | 2.9 | 242.9 | -.01 |
| 07:40 | 3.6 | 237.3 | .02 | 3.3 | 237.8 | .04 | 2.6 | 242.0 | .03 |
| 07:45 | 3.2 | 234.8 | .01 | 2.5 | 236.4 | .04 | 2.2 | 245.6 | .05 |
| 07:50 | 3.5 | 232.0 | -.01 | 3.0 | 234.9 | -.01 | 2.7 | 239.5 | -.02 |
| 07:55 | 4.0 | 223.8 | .03 | 3.7 | 228.7 | .05 | 3.0 | 229.0 | .06 |
| 08:00 | 4.3 | 224.4 | .10 | 3.8 | 224.8 | .11 | 3.3 | 224.0 | .11 |
| 08:05 | 4.6 | 227.9 | .11 | 4.3 | 227.3 | .10 | 3.8 | 227.1 | .10 |
| 08:10 | 4.8 | 229.9 | .17 | 4.6 | 231.1 | .16 | 4.1 | 230.8 | .16 |
| 08:15 | 4.9 | 231.7 | .15 | 4.8 | 233.0 | .14 | 4.3 | 231.1 | .12 |
| 08:20 | 5.3 | 236.6 | .09 | 5.2 | 236.7 | .09 | 4.7 | 234.2 | .10 |
| 08:25 | 5.6 | 237.4 | .07 | 5.5 | 238.1 | .06 | 4.7 | 237.3 | .07 |
| 08:30 | 5.4 | 230.1 | .07 | 5.0 | 229.7 | .08 | 4.5 | 230.8 | .11 |
| 08:35 | 5.0 | 227.0 | .10 | 5.0 | 227.5 | .12 | 4.4 | 227.1 | .13 |
| 08:40 | 4.2 | 231.1 | .13 | 4.4 | 232.7 | .16 | 4.0 | 232.4 | .18 |
| 08:45 | 3.6 | 229.5 | .02 | 3.5 | 230.4 | .05 | 3.2 | 233.0 | .09 |
| 08:50 | 3.1 | 226.5 | -.08 | 3.2 | 229.9 | -.06 | 3.0 | 235.3 | -.03 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 08:55 | 3.0 | 237.1 | -.01 | 3.5 | 239.1 | -.04 | 3.3 | 242.5 | -.03 |
| 09:00 | 2.5 | 241.6 | -.06 | 2.8 | 244.7 | -.09 | 2.6 | 251.5 | -.07 |
| 09:05 | 2.3 | 244.1 | -.03 | 2.4 | 245.0 | -.07 | 2.6 | 249.6 | -.10 |
| 09:10 | 2.3 | 252.4 | .21 | 2.5 | 253.6 | .18 | 2.8 | 253.4 | .16 |
| 09:15 | 1.6 | 243.4 | .49 | 1.9 | 245.6 | .48 | 2.2 | 242.2 | .38 |
| 09:20 | 2.1 | 248.3 | .28 | 2.5 | 245.5 | .27 | 2.6 | 246.4 | .26 |
| 09:25 | 2.4 | 227.6 | .05 | 2.4 | 230.0 | .05 | 2.3 | 233.0 | .09 |
| 09:30 | 1.7 | 201.1 | -.05 | 2.1 | 207.6 | -.05 | 2.1 | 215.8 | -.09 |
| 09:35 | 1.7 | 168.0 | -.03 | 1.9 | 179.0 | -.02 | 1.9 | 193.6 | .00 |
| 09:40 | 1.9 | 180.7 | -.14 | 1.9 | 181.1 | -.13 | 2.0 | 185.7 | -.10 |
| 09:45 | 2.0 | 182.8 | .00 | 2.0 | 183.7 | -.01 | 2.0 | 184.4 | -.03 |
| 09:50 | 1.8 | 179.9 | .12 | 1.9 | 181.7 | .10 | 1.9 | 182.9 | .10 |
| 09:55 | 1.6 | 150.7 | .07 | 1.5 | 151.7 | .16 | 1.3 | 154.3 | .23 |
| 10:00 | 1.1 | 94.0 | .03 | .8 | 73.1 | .15 | .7 | 34.0 | .24 |
| 10:05 | 2.0 | 87.5 | -.34 | 1.7 | 87.2 | -.27 | 1.1 | 80.2 | -.13 |
| 10:10 | 2.4 | 70.6 | -.04 | 2.4 | 72.5 | -.06 | 2.4 | 78.5 | -.10 |
| 10:15 | 2.1 | 74.0 | .04 | 2.4 | 74.8 | .06 | 2.4 | 72.2 | .15 |
| 10:20 | .8 | 23.4 | .16 | .8 | 74.0 | .01 | 1.0 | 82.6 | -.11 |
| 10:25 | .9 | 101.8 | .23 | 1.0 | 110.0 | .28 | 1.2 | 107.4 | .25 |
| 10:30 | 1.2 | 29.1 | -.34 | 1.1 | 15.7 | -.41 | .9 | 1.1 | -.51 |
| 10:35 | 1.9 | 201.4 | .06 | 1.8 | 202.8 | .11 | 1.6 | 202.4 | .06 |
| 10:40 | 1.1 | 221.2 | .63 | 1.1 | 208.9 | .64 | 1.3 | 199.8 | .55 |
| 10:45 | 1.1 | 217.2 | .52 | 1.2 | 208.9 | .49 | 1.2 | 201.1 | .51 |
| 10:50 | 1.1 | 179.9 | .02 | 1.2 | 182.9 | .07 | 1.2 | 191.0 | .12 |
| 10:55 | 1.6 | 174.1 | .13 | 1.6 | 178.6 | .16 | 1.6 | 181.8 | .15 |
| 11:00 | 1.4 | 119.9 | .35 | 1.2 | 118.3 | .30 | 1.2 | 127.3 | .21 |
| 11:05 | 2.1 | 139.1 | .22 | 2.2 | 142.1 | .24 | 2.0 | 151.1 | .25 |
| 11:10 | 1.9 | 166.3 | .75 | 1.9 | 168.9 | .75 | 1.9 | 169.3 | .74 |
| 11:15 | 2.1 | 184.5 | -.23 | 2.2 | 187.6 | .02 | 2.4 | 191.3 | .12 |
| 11:20 | 2.0 | 167.5 | .44 | 2.1 | 169.2 | .45 | 2.1 | 171.8 | .37 |
| 11:25 | 1.7 | 155.2 | .29 | 1.6 | 161.4 | .25 | 1.6 | 172.2 | .26 |
| 11:30 | 1.6 | 176.5 | .31 | 1.6 | 181.5 | .35 | 1.7 | 184.3 | .39 |
| 11:35 | 1.6 | 208.1 | -.14 | 1.8 | 213.3 | -.19 | 1.9 | 216.6 | -.22 |
| 11:40 | 1.7 | 219.6 | -.39 | 1.6 | 218.3 | -.49 | 1.8 | 226.4 | -.61 |
| 11:45 | 1.5 | 185.6 | -1.22 | 1.5 | 182.8 | -1.30 | 1.5 | 186.7 | -1.28 |
| 11:50 | 2.4 | 304.2 | -.05 | 2.3 | 305.6 | -.11 | 2.4 | 305.8 | -.01 |
| 11:55 | 1.3 | 221.4 | -.49 | 1.6 | 285.6 | -.63 | 1.7 | 291.6 | -.42 |
| 12:00 | .9 | 44.1 | -.71 | .8 | 52.9 | -.81 | .8 | 281.8 | -.70 |
| 12:05 | 2.0 | 136.3 | -.04 | 1.9 | 133.0 | .02 | 1.9 | 141.3 | -.05 |
| 12:10 | 2.5 | 196.7 | .27 | 2.6 | 200.5 | .24 | 2.7 | 206.5 | .29 |
| 12:15 | 2.4 | 175.3 | .41 | 2.3 | 178.3 | .52 | 2.3 | 182.6 | .52 |
| 12:20 | 2.2 | 209.8 | -.24 | 2.3 | 203.8 | -.27 | 2.3 | 198.6 | -.14 |
| 12:25 | 1.4 | 244.1 | .72 | 1.2 | 242.2 | .78 | 1.0 | 233.2 | .81 |
| 12:30 | 1.3 | 194.0 | .49 | 1.2 | 193.1 | .50 | 1.1 | 197.6 | .52 |
| 12:35 | 1.6 | 162.3 | .84 | 1.4 | 156.7 | .73 | 1.3 | 153.8 | .68 |
| 12:40 | 1.1 | 187.9 | .47 | 1.1 | 184.7 | .59 | 1.2 | 175.7 | .62 |
| 12:45 | 1.8 | 180.4 | -.30 | 1.6 | 182.8 | -.27 | 1.4 | 189.1 | -.45 |
| 12:50 | 2.2 | 241.4 | -.37 | 2.2 | 236.6 | -.30 | 2.3 | 235.8 | -.32 |
| 12:55 | 2.1 | 264.0 | -1.24 | 2.3 | 265.9 | -1.20 | 2.6 | 264.2 | -1.19 |
| 13:00 | 2.4 | 184.2 | -.18 | 2.4 | 187.1 | -.17 | 2.4 | 186.8 | -.33 |
| 13:05 | 2.6 | 130.5 | .15 | 2.3 | 134.0 | .22 | 1.8 | 145.6 | .17 |
| 13:10 | 1.4 | 145.7 | .69 | 1.4 | 148.6 | .65 | 1.3 | 153.3 | .58 |
| 13:15 | 3.3 | 127.1 | -.10 | 3.0 | 129.3 | -.15 | 2.6 | 135.5 | -.35 |
| 13:20 | 1.6 | 191.7 | -.18 | 1.5 | 191.7 | -.15 | 1.7 | 195.7 | -.11 |
| 13:25 | 3.0 | 153.2 | .15 | 2.9 | 153.6 | .12 | 2.8 | 153.8 | .09 |
| 13:30 | 2.4 | 141.4 | -.33 | 2.6 | 146.8 | -.41 | 2.8 | 149.9 | -.41 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 13:35 | 3.7 | 146.3 | -.27 | 3.8 | 149.2 | -.31 | 3.8 | 152.2 | -.37 |
| 13:40 | 3.5 | 187.9 | -.17 | 3.5 | 187.8 | -.29 | 3.4 | 187.3 | -.36 |
| 13:45 | 3.1 | 192.2 | .67 | 3.2 | 192.1 | .76 | 3.3 | 190.7 | .78 |
| 13:50 | 3.5 | 203.1 | -.19 | 3.5 | 204.9 | -.11 | 3.5 | 207.6 | -.07 |
| 13:55 | 3.7 | 197.8 | -.04 | 4.0 | 199.6 | -.17 | 4.1 | 200.3 | -.24 |
| 14:00 | 4.4 | 243.5 | -.42 | 4.5 | 246.3 | -.47 | 4.5 | 248.5 | -.58 |
| 14:05 | 3.6 | 239.0 | .47 | 3.6 | 239.2 | .47 | 3.6 | 238.0 | .48 |
| 14:10 | 3.7 | 255.8 | .03 | 3.9 | 257.3 | .04 | 4.1 | 258.3 | -.04 |
| 14:15 | 3.8 | 248.6 | .28 | 3.8 | 248.5 | .37 | 4.0 | 248.4 | .48 |
| 14:20 | 4.2 | 224.9 | -.39 | 4.2 | 225.1 | -.46 | 4.2 | 226.9 | -.60 |
| 14:25 | 4.4 | 206.7 | -.08 | 4.3 | 209.1 | .01 | 4.3 | 209.5 | .00 |
| 14:30 | 2.8 | 218.9 | -.07 | 2.8 | 218.3 | -.07 | 2.9 | 212.3 | -.13 |
| 14:35 | 4.3 | 203.9 | .22 | 4.4 | 204.0 | .18 | 4.5 | 206.6 | .26 |
| 14:40 | 4.6 | 193.6 | .56 | 4.7 | 192.7 | .57 | 4.6 | 193.4 | .55 |
| 14:45 | 4.3 | 211.8 | -.10 | 4.3 | 214.2 | -.11 | 4.4 | 214.4 | -.10 |
| 14:50 | 5.5 | 224.7 | .21 | 5.7 | 221.4 | .33 | 5.8 | 219.7 | .40 |
| 14:55 | 3.7 | 237.8 | .67 | 3.8 | 238.7 | .73 | 3.8 | 240.2 | .76 |
| 15:00 | 3.7 | 255.9 | .04 | 4.1 | 260.6 | .10 | 4.3 | 263.1 | .20 |
| 15:05 | 3.7 | 256.5 | .36 | 3.6 | 253.1 | .44 | 3.6 | 252.5 | .43 |
| 15:10 | 3.6 | 229.3 | .11 | 3.7 | 227.6 | .17 | 3.6 | 227.4 | .35 |
| 15:15 | 2.8 | 238.7 | .07 | 2.8 | 240.5 | .01 | 2.9 | 239.8 | .12 |
| 15:20 | 3.1 | 225.6 | -.24 | 3.3 | 229.2 | -.28 | 3.5 | 232.2 | -.21 |
| 15:25 | 3.4 | 258.3 | .72 | 3.5 | 257.7 | .87 | 3.5 | 257.6 | .90 |
| 15:30 | 3.8 | 268.0 | .07 | 3.8 | 267.1 | .09 | 3.8 | 266.9 | .15 |
| 15:35 | 2.6 | 254.1 | .73 | 2.9 | 253.2 | .81 | 3.0 | 251.6 | .76 |
| 15:40 | 2.6 | 259.4 | -.60 | 2.9 | 266.5 | -.68 | 3.3 | 268.5 | -.75 |
| 15:45 | 3.8 | 252.1 | -.03 | 3.8 | 250.1 | .07 | 3.9 | 249.4 | .09 |
| 15:50 | 3.6 | 228.4 | -.25 | 3.6 | 224.3 | -.24 | 3.5 | 217.6 | -.30 |
| 15:55 | 3.4 | 219.0 | .12 | 3.8 | 214.8 | .29 | 4.0 | 213.1 | .35 |
| 16:00 | 1.9 | 204.5 | .05 | 1.7 | 202.9 | .28 | 1.6 | 204.4 | .50 |
| 16:05 | 3.7 | 225.9 | -.78 | 3.6 | 226.2 | -.88 | 3.7 | 226.8 | -.90 |
| 16:10 | 4.7 | 236.9 | .32 | 4.7 | 237.8 | .31 | 4.7 | 237.9 | .39 |
| 16:15 | 4.2 | 232.0 | .49 | 4.2 | 231.8 | .61 | 4.1 | 230.7 | .62 |
| 16:20 | 3.8 | 243.7 | .22 | 3.8 | 243.0 | .24 | 3.8 | 242.5 | .22 |
| 16:25 | 4.0 | 225.3 | .14 | 4.2 | 224.1 | .14 | 4.2 | 223.3 | .17 |
| 16:30 | 4.0 | 224.2 | -.04 | 4.1 | 224.6 | .09 | 4.1 | 224.5 | .18 |
| 16:35 | 2.2 | 236.6 | .23 | 2.3 | 237.2 | .21 | 2.4 | 236.9 | .25 |
| 16:40 | 3.5 | 220.1 | -.09 | 3.2 | 222.1 | -.08 | 3.1 | 221.3 | -.03 |
| 16:45 | 3.2 | 237.1 | .42 | 3.1 | 234.8 | .55 | 3.2 | 231.9 | .67 |
| 16:50 | 4.3 | 232.8 | .40 | 4.3 | 234.2 | .40 | 4.2 | 232.7 | .44 |
| 16:55 | 3.6 | 219.9 | .58 | 3.6 | 219.1 | .62 | 3.6 | 219.5 | .66 |
| 17:00 | 3.0 | 221.9 | .34 | 3.0 | 219.9 | .34 | 3.0 | 219.7 | .38 |
| 17:05 | 4.0 | 219.3 | .19 | 4.0 | 221.6 | .20 | 4.1 | 222.9 | .19 |
| 17:10 | 4.2 | 231.1 | .39 | 4.3 | 232.0 | .31 | 4.3 | 231.8 | .28 |
| 17:15 | 2.9 | 220.7 | -.16 | 3.2 | 220.2 | -.15 | 3.4 | 221.6 | -.14 |
| 17:20 | 4.1 | 226.5 | -.21 | 4.2 | 227.7 | -.17 | 4.2 | 228.9 | -.16 |
| 17:25 | 4.6 | 261.2 | .22 | 4.8 | 262.4 | .18 | 4.8 | 263.5 | .14 |
| 17:30 | 4.0 | 232.2 | .26 | 4.0 | 232.6 | .31 | 4.1 | 234.0 | .27 |
| 17:35 | 4.3 | 227.2 | -.18 | 4.2 | 228.3 | -.21 | 4.3 | 231.1 | -.32 |
| 17:40 | 4.9 | 243.9 | .46 | 4.8 | 244.3 | .47 | 4.9 | 245.2 | .41 |
| 17:45 | 4.3 | 245.1 | .90 | 4.2 | 243.8 | .90 | 4.2 | 243.2 | .88 |
| 17:50 | 2.4 | 257.2 | .46 | 2.3 | 251.7 | .49 | 2.1 | 247.3 | .66 |
| 17:55 | 1.8 | 303.3 | .14 | 1.9 | 304.8 | .14 | 2.2 | 314.3 | .22 |
| 18:00 | 2.4 | 247.6 | -.36 | 2.6 | 248.7 | -.40 | 2.7 | 248.5 | -.53 |
| 18:05 | 4.5 | 262.1 | -.70 | 4.6 | 263.8 | -.84 | 4.7 | 263.7 | -.92 |
| 18:10 | 3.7 | 229.6 | -.36 | 3.8 | 230.7 | -.38 | 3.8 | 231.4 | -.41 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 18:15 | 3.7 | 217.7 | .28 | 3.8 | 216.7 | .37 | 3.7 | 217.9 | .41 |
| 18:20 | 3.5 | 225.1 | -.30 | 3.8 | 224.4 | -.37 | 3.8 | 222.8 | -.39 |
| 18:25 | 4.6 | 224.0 | .37 | 4.7 | 223.9 | .36 | 4.7 | 223.6 | .36 |
| 18:30 | 4.5 | 224.9 | -.03 | 4.7 | 227.1 | -.05 | 4.7 | 229.1 | -.10 |
| 18:35 | 4.2 | 236.6 | -.47 | 4.3 | 237.1 | -.34 | 4.6 | 236.1 | -.25 |
| 18:40 | 4.5 | 231.7 | -.11 | 4.7 | 230.7 | -.08 | 4.9 | 231.1 | -.12 |
| 18:45 | 4.1 | 239.8 | -.36 | 4.2 | 240.6 | -.43 | 4.3 | 240.5 | -.46 |
| 18:50 | 4.5 | 231.8 | -.31 | 4.7 | 231.9 | -.31 | 4.8 | 232.1 | -.31 |
| 18:55 | 4.5 | 249.6 | .34 | 4.6 | 247.1 | .38 | 4.7 | 243.9 | .34 |
| 19:00 | 4.9 | 241.0 | .02 | 5.1 | 243.9 | .07 | 5.0 | 245.5 | .07 |
| 19:05 | 4.0 | 244.9 | -.66 | 4.2 | 244.5 | -.63 | 4.3 | 245.0 | -.76 |
| 19:10 | 5.9 | 241.1 | .12 | 6.1 | 240.9 | .11 | 6.1 | 240.1 | .12 |
| 19:15 | 5.3 | 235.1 | .01 | 5.4 | 234.6 | .04 | 5.6 | 235.1 | .06 |
| 19:20 | 4.2 | 225.6 | -.11 | 4.2 | 225.0 | -.18 | 4.3 | 225.6 | -.22 |
| 19:25 | 4.2 | 214.9 | -.18 | 4.2 | 215.7 | -.26 | 4.2 | 216.1 | -.36 |
| 19:30 | 4.2 | 220.6 | .08 | 4.2 | 220.5 | .09 | 4.2 | 219.8 | .05 |
| 19:35 | 5.0 | 226.4 | .09 | 5.0 | 227.0 | .14 | 5.1 | 226.2 | .21 |
| 19:40 | 4.7 | 222.1 | .03 | 4.8 | 222.1 | .01 | 4.9 | 222.1 | .01 |
| 19:45 | 4.2 | 226.6 | -.12 | 4.3 | 226.7 | -.12 | 4.3 | 226.2 | -.13 |
| 19:50 | 4.0 | 220.2 | -.04 | 4.3 | 221.7 | -.01 | 4.4 | 223.2 | .02 |
| 19:55 | 3.3 | 210.1 | -.28 | 3.5 | 210.5 | -.25 | 3.7 | 211.3 | -.26 |
| 20:00 | 4.3 | 207.8 | -.03 | 4.4 | 209.3 | -.05 | 4.5 | 210.6 | -.07 |
| 20:05 | 4.4 | 203.9 | -.03 | 4.5 | 204.7 | -.03 | 4.6 | 205.7 | .00 |
| 20:10 | 4.5 | 204.3 | -.09 | 4.7 | 206.4 | -.10 | 5.0 | 208.2 | -.07 |
| 20:15 | 4.7 | 212.0 | -.12 | 5.0 | 213.7 | -.10 | 5.2 | 215.5 | -.09 |
| 20:20 | 4.4 | 213.1 | -.09 | 4.7 | 212.5 | -.10 | 4.9 | 212.5 | -.08 |
| 20:25 | 4.2 | 208.6 | -.08 | 4.6 | 209.4 | -.07 | 4.9 | 211.3 | -.09 |
| 20:30 | 4.8 | 210.0 | -.02 | 5.2 | 209.9 | .00 | 5.4 | 209.1 | -.03 |
| 20:35 | 5.6 | 211.1 | -.07 | 5.9 | 210.7 | -.06 | 6.2 | 210.9 | -.09 |
| 20:40 | 5.6 | 209.4 | -.10 | 6.0 | 209.0 | -.13 | 6.3 | 209.6 | -.15 |
| 20:45 | 5.7 | 207.5 | -.17 | 6.0 | 208.9 | -.19 | 6.3 | 210.0 | -.19 |
| 20:50 | 5.7 | 206.8 | -.19 | 6.0 | 208.0 | -.20 | 6.2 | 208.9 | -.21 |
| 20:55 | 5.6 | 204.3 | -.27 | 6.0 | 205.6 | -.27 | 6.2 | 206.4 | -.28 |
| 21:00 | 5.2 | 202.9 | -.32 | 5.8 | 205.3 | -.32 | 6.1 | 207.2 | -.32 |
| 21:05 | 4.8 | 204.1 | -.24 | 5.4 | 206.6 | -.28 | 6.0 | 209.6 | -.27 |
| 21:10 | 4.7 | 206.1 | -.23 | 5.4 | 207.2 | -.26 | 5.8 | 210.1 | -.27 |
| 21:15 | 4.6 | 209.4 | -.21 | 5.4 | 208.9 | -.21 | 5.9 | 209.5 | -.22 |
| 21:20 | 4.5 | 212.9 | -.07 | 5.3 | 210.9 | -.08 | 5.7 | 210.2 | -.11 |
| 21:25 | 4.1 | 216.3 | .00 | 5.0 | 213.5 | -.01 | 5.7 | 213.0 | .01 |
| 21:30 | 4.2 | 217.4 | .07 | 5.1 | 215.3 | .09 | 5.9 | 214.7 | .09 |
| 21:35 | 3.6 | 221.0 | .00 | 4.6 | 217.4 | .00 | 5.5 | 217.2 | .00 |
| 21:40 | 2.8 | 226.6 | .02 | 3.6 | 223.5 | .01 | 4.4 | 219.8 | .03 |
| 21:45 | 2.7 | 229.3 | .00 | 3.4 | 225.4 | .00 | 4.2 | 222.5 | .04 |
| 21:50 | 2.8 | 234.2 | .01 | 3.5 | 228.8 | .03 | 4.4 | 225.0 | .03 |
| 21:55 | 3.2 | 239.9 | .01 | 3.8 | 233.4 | .00 | 4.6 | 229.5 | -.02 |
| 22:00 | 3.0 | 249.3 | .01 | 3.5 | 241.9 | .01 | 4.1 | 236.6 | .01 |
| 22:05 | 2.9 | 260.7 | .03 | 3.1 | 252.0 | .01 | 3.7 | 241.6 | .02 |
| 22:10 | 3.0 | 263.7 | -.02 | 3.1 | 256.3 | -.01 | 3.6 | 244.5 | -.02 |
| 22:15 | 3.1 | 259.7 | .02 | 3.3 | 256.6 | .02 | 3.6 | 249.0 | .02 |
| 22:20 | 3.2 | 256.7 | -.03 | 3.4 | 255.2 | -.03 | 3.8 | 251.7 | -.01 |
| 22:25 | 2.9 | 261.0 | .08 | 3.2 | 256.2 | .08 | 3.5 | 250.0 | .08 |
| 22:30 | 3.0 | 257.5 | .07 | 3.2 | 253.2 | .06 | 3.4 | 248.8 | .05 |
| 22:35 | 3.0 | 254.4 | .02 | 3.3 | 250.6 | .01 | 3.5 | 247.3 | -.01 |
| 22:40 | 3.1 | 251.1 | .03 | 3.4 | 247.7 | .05 | 3.6 | 244.6 | .05 |
| 22:45 | 3.1 | 249.7 | .03 | 3.4 | 246.8 | .06 | 3.6 | 245.5 | .07 |
| 22:50 | 2.5 | 256.3 | .03 | 2.9 | 251.9 | .03 | 3.2 | 246.7 | .04 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

6/16/2022

Interval: 005m

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 00:00 | 5.2 | 180.8 | -.02 | 5.3 | 180.5 | 5.1 | 178.3 | -.03 | 5.1 |
| 00:05 | 4.8 | 185.0 | -.01 | 5.4 | 185.8 | 5.1 | 183.2 | -.03 | 5.0 |
| 00:10 | 4.7 | 189.6 | .05 | 5.3 | 190.1 | 5.0 | 189.4 | .07 | 4.8 |
| 00:15 | 4.6 | 195.0 | .07 | 4.7 | 194.3 | 4.3 | 193.5 | .08 | 4.1 |
| 00:20 | 4.6 | 194.0 | .05 | 4.6 | 194.0 | 4.2 | 192.5 | .08 | 4.0 |
| 00:25 | 4.2 | 197.6 | .11 | 4.2 | 196.7 | 3.9 | 195.2 | -.01 | 3.7 |
| 00:30 | 3.9 | 201.2 | .06 | 3.9 | 199.3 | 3.7 | 197.9 | .08 | 3.4 |
| 00:35 | 3.9 | 200.7 | -.03 | 3.7 | 198.8 | 3.5 | 196.9 | -.06 | 3.4 |
| 00:40 | 3.8 | 203.6 | -.07 | | | 3.9 | 194.0 | -.07 | |
| 00:45 | 3.3 | 210.7 | -.02 | 3.9 | 209.7 | | | -.01 | |
| 00:50 | 2.9 | 222.9 | -.06 | 3.6 | 223.2 | | | -.06 | |
| 00:55 | 2.8 | 237.8 | .13 | 3.3 | 230.6 | 3.4 | 217.0 | .13 | |
| 01:00 | 3.4 | 246.7 | .03 | 3.7 | 240.8 | 3.7 | 228.4 | .05 | |
| 01:05 | 2.9 | 262.4 | .04 | 3.5 | 252.3 | 4.2 | 241.3 | .09 | 5.3 |
| 01:10 | 3.2 | 251.4 | .09 | 3.6 | 248.3 | 4.1 | 247.4 | .07 | 4.0 |
| 01:15 | 3.3 | 249.7 | .03 | 3.8 | 248.3 | 4.0 | 241.5 | .02 | 4.4 |
| 01:20 | 3.1 | 248.2 | .01 | 3.5 | 245.6 | 4.1 | 242.9 | .01 | 4.0 |
| 01:25 | 3.1 | 247.8 | .06 | 3.5 | 244.9 | 3.6 | 240.5 | .09 | |
| 01:30 | 3.0 | 233.1 | -.03 | 2.8 | 230.4 | | | -.04 | |
| 01:35 | 2.6 | 217.4 | .10 | 2.9 | 219.1 | 3.8 | 231.9 | .10 | 3.9 |
| 01:40 | | | .03 | | | | | .04 | |
| 01:45 | 3.1 | 216.9 | .07 | | | | | .10 | |
| 01:50 | 3.2 | 212.9 | -.04 | 3.0 | 222.9 | 3.0 | 226.7 | -.07 | 3.2 |
| 01:55 | 3.5 | 216.0 | -.02 | | | | | .02 | |
| 02:00 | 3.0 | 219.4 | -.03 | 3.2 | 225.6 | 3.4 | 225.7 | -.01 | 3.3 |
| 02:05 | 3.3 | 218.3 | .00 | 3.4 | 223.6 | 3.7 | 225.0 | .02 | 3.6 |
| 02:10 | 3.2 | 229.1 | .23 | 3.4 | 226.7 | 3.4 | 222.7 | .27 | 3.7 |
| 02:15 | 3.7 | 236.6 | .04 | 3.8 | 232.6 | 4.1 | 231.2 | .01 | 4.2 |
| 02:20 | 3.7 | 233.3 | .11 | 4.4 | 236.0 | 3.9 | 227.8 | .09 | |
| 02:25 | 3.4 | 222.3 | .01 | 3.6 | 220.5 | 5.0 | 228.1 | .02 | |
| 02:30 | 4.1 | 220.9 | -.02 | 5.0 | 223.3 | | | -.02 | |
| 02:35 | 5.1 | 221.3 | -.01 | 5.3 | 223.4 | 5.7 | 220.0 | -.01 | 5.9 |
| 02:40 | | | -.07 | | | | | -.09 | |
| 02:45 | 6.1 | 232.1 | -.04 | 6.6 | 232.4 | 6.5 | 226.2 | .01 | 6.7 |
| 02:50 | 5.6 | 222.1 | .12 | | | | | .13 | |
| 02:55 | | | .05 | | | | | .07 | |
| 03:00 | 5.2 | 218.3 | .13 | 6.1 | 220.8 | 6.3 | 219.0 | .09 | |
| 03:05 | 6.7 | 210.1 | .13 | 7.2 | 211.3 | | | .16 | 8.2 |
| 03:10 | | | .10 | | | | | .09 | |
| 03:15 | 7.0 | 223.9 | .01 | 7.7 | 221.6 | 8.3 | 220.3 | .00 | |
| 03:20 | 6.4 | 231.3 | -.08 | 6.8 | 228.5 | 7.4 | 227.3 | -.10 | 8.8 |
| 03:25 | | | -.03 | | | | | -.08 | |
| 03:30 | 5.8 | 230.4 | -.02 | 6.6 | 230.4 | 6.7 | 229.4 | -.03 | 6.5 |
| 03:35 | | | -.01 | | | | | .01 | |
| 03:40 | | | -.01 | | | | | .05 | |
| 03:45 | 7.2 | 223.1 | .18 | 7.3 | 219.9 | 7.7 | 216.1 | .21 | 8.4 |
| 03:50 | 6.9 | 217.6 | .13 | 7.4 | 215.7 | 7.9 | 212.7 | .15 | 8.4 |
| 03:55 | 6.9 | 222.5 | -.01 | 7.4 | 220.6 | 8.0 | 220.0 | -.02 | 8.5 |
| 04:00 | 6.2 | 229.9 | .10 | 6.5 | 228.2 | 7.1 | 226.9 | .13 | 7.3 |
| 04:05 | 6.2 | 235.7 | .15 | 6.6 | 234.4 | 7.1 | 230.1 | .17 | 7.5 |
| 04:10 | 5.7 | 239.7 | .09 | 6.0 | 241.5 | 6.4 | 242.5 | .10 | 6.7 |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 04:15 | 5.0 | 239.4 | .09 | 5.5 | 239.1 | 5.8 | 240.9 | .12 | 6.2 |
| 04:20 | 5.3 | 238.7 | .23 | 5.6 | 240.2 | 5.2 | 243.4 | .19 | 6.1 |
| 04:25 | 5.2 | 236.8 | .15 | 5.8 | 241.8 | 6.0 | 241.7 | .10 | 6.4 |
| 04:30 | 5.2 | 241.3 | .09 | 5.7 | 243.9 | 5.8 | 245.1 | .07 | |
| 04:35 | 4.6 | 245.0 | .03 | 5.3 | 245.3 | 5.5 | 245.2 | .03 | 5.9 |
| 04:40 | 4.8 | 240.0 | .04 | 5.4 | 240.7 | 5.2 | 240.3 | .03 | |
| 04:45 | 4.6 | 234.3 | .20 | 4.8 | 235.2 | 5.1 | 239.4 | .23 | 4.6 |
| 04:50 | 5.6 | 232.9 | -.03 | 5.8 | 234.8 | 5.7 | 237.9 | -.04 | 5.7 |
| 04:55 | 6.3 | 230.2 | .00 | 5.7 | 230.5 | 5.4 | 234.6 | .00 | |
| 05:00 | 6.1 | 235.3 | .02 | 5.7 | 237.2 | 5.5 | 238.7 | .05 | 5.2 |
| 05:05 | 5.6 | 236.3 | .05 | 5.1 | 239.5 | 5.2 | 240.8 | .03 | 5.0 |
| 05:10 | 6.1 | 233.7 | .11 | 5.7 | 237.0 | 5.4 | 240.0 | .08 | 5.1 |
| 05:15 | 5.5 | 235.7 | .13 | 5.2 | 239.9 | 4.9 | 243.9 | .11 | 4.5 |
| 05:20 | 5.2 | 240.9 | .12 | 5.5 | 244.8 | 5.4 | 249.7 | .12 | 4.6 |
| 05:25 | 5.0 | 243.6 | .16 | 5.2 | 251.0 | 4.4 | 255.4 | .12 | 3.9 |
| 05:30 | 4.9 | 250.7 | -.01 | 4.5 | 256.8 | 4.3 | 260.0 | .01 | 3.8 |
| 05:35 | 4.5 | 262.2 | -.02 | 4.2 | 270.4 | 3.8 | 279.6 | -.05 | 4.0 |
| 05:40 | 3.6 | 254.9 | .07 | 3.3 | 263.6 | 3.1 | 277.8 | .11 | 3.2 |
| 05:45 | 3.1 | 264.3 | .27 | 3.2 | 280.4 | 3.3 | 284.0 | .27 | 3.6 |
| 05:50 | 2.8 | 276.9 | .12 | 2.8 | 280.0 | 3.2 | 284.5 | .15 | 3.4 |
| 05:55 | 3.0 | 291.9 | .13 | 3.3 | 294.1 | 3.4 | 292.4 | .12 | 3.8 |
| 06:00 | 3.3 | 294.8 | .07 | 3.6 | 292.1 | 3.8 | 287.9 | .06 | 3.9 |
| 06:05 | 2.5 | 276.4 | .00 | 2.9 | 276.7 | 3.5 | 275.7 | .01 | 3.6 |
| 06:10 | 2.6 | 267.7 | .22 | 3.1 | 269.0 | 3.5 | 268.4 | .24 | 3.8 |
| 06:15 | 3.1 | 276.3 | .09 | 3.6 | 274.0 | | | .07 | |
| 06:20 | 2.9 | 271.9 | .06 | 3.3 | 271.9 | 3.1 | 270.4 | .03 | 3.5 |
| 06:25 | 2.8 | 269.6 | .08 | 3.1 | 269.9 | | | .08 | |
| 06:30 | 2.7 | 263.7 | .09 | 2.9 | 263.7 | 3.1 | 270.5 | .08 | 2.9 |
| 06:35 | 2.6 | 258.9 | .11 | 2.7 | 259.7 | 3.0 | 271.7 | .10 | 2.9 |
| 06:40 | 2.8 | 248.6 | .13 | 3.4 | 251.7 | 3.1 | 259.4 | .17 | |
| 06:45 | 2.4 | 240.4 | .25 | 2.6 | 242.9 | 2.6 | 253.0 | .29 | 2.2 |
| 06:50 | 2.4 | 236.8 | .19 | 2.5 | 240.7 | 2.6 | 252.6 | .21 | 3.0 |
| 06:55 | 2.1 | 239.0 | .15 | 2.8 | 249.1 | | | .18 | |
| 07:00 | 2.0 | 240.5 | .07 | 2.4 | 245.7 | 2.5 | 257.1 | .09 | 2.4 |
| 07:05 | 2.0 | 231.1 | .14 | 2.3 | 241.6 | 2.3 | 254.7 | .15 | 2.0 |
| 07:10 | 1.8 | 231.1 | .02 | 2.0 | 245.9 | 2.2 | 265.0 | .03 | 2.2 |
| 07:15 | 1.9 | 238.1 | .06 | 2.0 | 251.3 | 2.4 | 259.7 | .05 | 2.6 |
| 07:20 | 2.4 | 231.9 | .07 | 2.4 | 242.8 | 2.7 | 252.6 | .09 | 2.8 |
| 07:25 | 2.6 | 237.5 | .05 | 2.5 | 245.9 | 2.8 | 255.6 | .06 | 3.2 |
| 07:30 | 2.7 | 238.1 | .03 | 2.7 | 244.7 | 3.1 | 256.8 | .05 | 3.3 |
| 07:35 | 2.5 | 249.9 | .01 | 2.7 | 258.5 | 3.1 | 265.6 | .03 | 3.3 |
| 07:40 | 2.5 | 253.4 | .04 | 2.8 | 256.3 | 3.1 | 260.5 | .06 | 3.3 |
| 07:45 | 2.4 | 250.5 | .07 | 2.7 | 261.3 | 2.7 | 273.7 | .07 | 2.7 |
| 07:50 | 2.5 | 243.9 | -.02 | 2.8 | 254.0 | 2.7 | 262.9 | -.03 | |
| 07:55 | 2.7 | 228.7 | .04 | 2.4 | 232.8 | 2.7 | 242.4 | .02 | 2.6 |
| 08:00 | 2.9 | 222.5 | .09 | 2.8 | 228.3 | 2.9 | 238.4 | .10 | 2.6 |
| 08:05 | 3.4 | 226.8 | .10 | 3.2 | 228.6 | 3.1 | 233.7 | .08 | 3.4 |
| 08:10 | 3.6 | 229.8 | .16 | 3.2 | 229.3 | 3.1 | 233.9 | .15 | 3.2 |
| 08:15 | 3.8 | 231.2 | .09 | 3.4 | 231.8 | 3.3 | 238.2 | .07 | 3.2 |
| 08:20 | 4.2 | 234.6 | .11 | 3.8 | 236.2 | 3.6 | 243.4 | .11 | 3.5 |
| 08:25 | 4.3 | 239.6 | .08 | 4.1 | 243.4 | 3.9 | 248.5 | .09 | 3.7 |
| 08:30 | 4.2 | 235.5 | .14 | 3.9 | 240.5 | 3.5 | 245.7 | .15 | 3.2 |
| 08:35 | 4.0 | 230.2 | .13 | 3.6 | 233.1 | 3.2 | 238.1 | .12 | 2.8 |
| 08:40 | 3.7 | 234.3 | .18 | 3.4 | 237.3 | 2.8 | 243.6 | .20 | 2.3 |
| 08:45 | 2.9 | 236.4 | .10 | 2.5 | 239.6 | 2.2 | 244.8 | .10 | 1.8 |
| 08:50 | 2.8 | 239.8 | -.02 | 2.3 | 243.7 | 2.0 | 252.0 | -.03 | 1.8 |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 08:55 | 3.0 | 246.6 | -.01 | 2.6 | 249.8 | 2.2 | 254.1 | .02 | 1.9 |
| 09:00 | 2.4 | 256.6 | -.07 | 2.2 | 256.7 | 1.8 | 261.0 | -.09 | 1.7 |
| 09:05 | 2.5 | 256.7 | -.11 | 2.5 | 262.8 | 2.3 | 264.9 | -.11 | 2.0 |
| 09:10 | 2.9 | 256.2 | .14 | 2.8 | 260.5 | 2.8 | 266.4 | .15 | 2.7 |
| 09:15 | 2.5 | 242.8 | .34 | 2.5 | 251.9 | 2.3 | 263.4 | .30 | 2.1 |
| 09:20 | 2.7 | 250.0 | .28 | 2.7 | 254.2 | 2.5 | 259.7 | .24 | 2.2 |
| 09:25 | 2.1 | 237.6 | .10 | 2.0 | 244.6 | 1.8 | 253.9 | .09 | 1.5 |
| 09:30 | 2.0 | 220.7 | -.04 | 1.8 | 223.4 | 1.6 | 228.0 | .01 | 1.1 |
| 09:35 | 1.8 | 206.9 | .06 | 1.6 | 213.0 | 1.3 | 224.2 | .07 | .9 |
| 09:40 | 2.0 | 193.2 | -.05 | 1.7 | 200.9 | 1.3 | 211.1 | .04 | .9 |
| 09:45 | 1.9 | 187.1 | -.01 | 1.5 | 195.1 | 1.1 | 207.4 | .02 | .7 |
| 09:50 | 1.6 | 181.9 | .07 | 1.2 | 180.1 | .7 | 182.2 | .02 | .3 |
| 09:55 | .8 | 155.1 | .23 | .5 | 185.1 | .7 | 323.8 | .27 | 1.0 |
| 10:00 | .7 | 350.7 | .30 | .9 | 322.5 | 1.2 | 324.8 | .24 | 1.4 |
| 10:05 | .9 | 78.6 | -.03 | .7 | 69.1 | .7 | 11.5 | .10 | .9 |
| 10:10 | 2.4 | 81.7 | -.16 | 2.3 | 80.9 | 2.1 | 78.2 | -.18 | 2.0 |
| 10:15 | 2.3 | 71.7 | .24 | 2.1 | 77.3 | 1.6 | 82.9 | .24 | 1.6 |
| 10:20 | 1.1 | 84.8 | -.04 | 1.3 | 75.6 | 1.4 | 61.0 | .16 | 1.5 |
| 10:25 | 1.2 | 112.9 | .21 | 1.2 | 118.2 | 1.3 | 116.7 | .10 | 1.2 |
| 10:30 | .8 | 343.7 | -.67 | .9 | 305.3 | 1.2 | 271.7 | -.87 | 1.3 |
| 10:35 | 1.4 | 207.6 | -.07 | 1.3 | 213.1 | 1.2 | 220.6 | -.15 | 1.0 |
| 10:40 | 1.3 | 195.0 | .55 | 1.3 | 185.1 | 1.2 | 179.2 | .60 | .9 |
| 10:45 | 1.2 | 200.3 | .53 | 1.2 | 195.8 | 1.2 | 197.9 | .50 | 1.2 |
| 10:50 | 1.2 | 197.9 | .12 | 1.3 | 205.5 | 1.3 | 213.8 | .21 | 1.3 |
| 10:55 | 1.5 | 185.3 | .16 | 1.4 | 189.8 | 1.4 | 195.2 | .14 | 1.5 |
| 11:00 | 1.2 | 137.0 | .20 | 1.2 | 145.4 | 1.2 | 157.8 | .14 | 1.2 |
| 11:05 | 1.8 | 154.3 | .16 | 1.6 | 157.5 | 1.6 | 168.9 | -.01 | 1.5 |
| 11:10 | 1.9 | 170.1 | .72 | 1.9 | 170.6 | 1.9 | 172.1 | .64 | 1.8 |
| 11:15 | 2.7 | 192.2 | .10 | 2.8 | 191.2 | 2.7 | 190.0 | .04 | 2.7 |
| 11:20 | 2.2 | 174.7 | .31 | 2.2 | 181.8 | 2.1 | 183.1 | .28 | 2.2 |
| 11:25 | 1.6 | 180.5 | .27 | 1.6 | 189.7 | 1.6 | 192.8 | .33 | 1.4 |
| 11:30 | 1.6 | 190.0 | .40 | 1.7 | 199.1 | 1.7 | 207.6 | .35 | 1.7 |
| 11:35 | 1.9 | 214.7 | -.19 | 2.0 | 209.1 | 2.0 | 208.5 | -.29 | 2.2 |
| 11:40 | 2.0 | 225.3 | -.70 | 2.0 | 220.7 | 1.9 | 219.3 | -.83 | 2.1 |
| 11:45 | 1.6 | 179.2 | -1.30 | 1.7 | 175.3 | 1.8 | 190.9 | -1.46 | 2.0 |
| 11:50 | 2.5 | 306.8 | -.02 | 2.4 | 306.7 | 2.4 | 305.7 | .02 | 2.7 |
| 11:55 | 1.3 | 314.4 | .12 | 1.1 | 321.5 | 1.1 | 341.3 | .29 | 1.2 |
| 12:00 | 1.1 | 267.5 | -.62 | 1.1 | 262.9 | 1.2 | 239.3 | -.56 | 1.3 |
| 12:05 | 2.0 | 142.6 | -.08 | 1.9 | 139.7 | 1.8 | 130.7 | -.09 | 1.8 |
| 12:10 | 2.7 | 209.5 | .27 | 2.8 | 210.9 | 2.6 | 211.9 | .09 | 2.2 |
| 12:15 | 2.3 | 187.9 | .54 | 2.6 | 193.1 | 2.7 | 198.2 | .53 | 2.5 |
| 12:20 | 2.4 | 198.1 | -.17 | 2.3 | 199.8 | 2.3 | 201.5 | -.24 | 2.4 |
| 12:25 | 1.1 | 226.2 | .85 | 1.1 | 223.3 | 1.2 | 232.6 | .84 | 1.4 |
| 12:30 | 1.2 | 201.8 | .46 | 1.3 | 216.2 | 1.3 | 214.8 | .37 | 1.3 |
| 12:35 | 1.1 | 149.5 | .67 | 1.4 | 154.4 | 1.6 | 165.4 | .63 | 1.5 |
| 12:40 | 1.2 | 184.3 | .62 | 1.1 | 177.9 | 1.0 | 159.8 | .55 | 1.0 |
| 12:45 | 1.2 | 207.7 | -.70 | 1.3 | 223.5 | 1.5 | 238.8 | -.85 | 1.6 |
| 12:50 | 2.7 | 234.5 | -.29 | 2.9 | 234.0 | 2.9 | 232.2 | -.24 | 3.2 |
| 12:55 | 2.6 | 253.9 | -1.14 | 2.7 | 248.0 | 2.8 | 241.7 | -1.09 | 2.9 |
| 13:00 | 2.5 | 183.8 | -.35 | 2.4 | 181.3 | 2.5 | 181.3 | -.33 | 2.4 |
| 13:05 | 1.6 | 161.8 | .19 | 1.6 | 176.6 | 1.7 | 177.3 | .21 | 1.9 |
| 13:10 | 1.3 | 154.4 | .51 | 1.2 | 153.6 | 1.1 | 138.9 | .62 | 1.1 |
| 13:15 | 2.6 | 140.8 | -.49 | 2.7 | 143.1 | 2.7 | 142.3 | -.68 | 2.6 |
| 13:20 | 2.0 | 206.3 | -.21 | 1.9 | 210.7 | 2.0 | 212.6 | -.29 | 2.1 |
| 13:25 | 2.7 | 159.1 | .14 | 2.6 | 162.4 | 2.5 | 167.7 | .15 | 2.6 |
| 13:30 | 2.9 | 154.9 | -.48 | 3.0 | 158.1 | 3.3 | 161.1 | -.49 | 3.4 |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 13:35 | 3.7 | 155.5 | -.43 | 3.7 | 162.3 | 3.7 | 164.4 | -.45 | 3.7 |
| 13:40 | 3.5 | 186.1 | -.43 | 3.6 | 182.9 | 3.7 | 184.1 | -.46 | 3.8 |
| 13:45 | 3.4 | 190.6 | .85 | 3.3 | 191.0 | 3.1 | 192.3 | .88 | 3.1 |
| 13:50 | 3.4 | 208.7 | -.05 | 3.3 | 206.9 | 3.2 | 207.7 | .09 | 3.2 |
| 13:55 | 4.0 | 201.6 | -.36 | 3.9 | 204.4 | 3.8 | 205.5 | -.50 | 3.5 |
| 14:00 | 4.5 | 251.8 | -.65 | 4.5 | 253.5 | 4.5 | 254.5 | -.86 | 4.2 |
| 14:05 | 3.7 | 235.2 | .44 | 3.7 | 233.8 | 3.9 | 232.0 | .37 | 3.9 |
| 14:10 | 4.0 | 260.1 | -.16 | 3.6 | 256.2 | 3.5 | 253.9 | -.33 | 3.8 |
| 14:15 | 3.9 | 247.9 | .62 | 3.8 | 247.7 | 3.8 | 246.8 | .65 | 3.7 |
| 14:20 | 4.3 | 226.3 | -.68 | 4.4 | 224.9 | 4.4 | 226.3 | -.74 | 4.4 |
| 14:25 | 4.3 | 208.4 | .06 | 4.5 | 207.1 | 4.5 | 207.8 | .13 | 4.3 |
| 14:30 | 3.1 | 209.1 | -.20 | 3.0 | 210.4 | 3.0 | 206.1 | -.27 | 3.0 |
| 14:35 | 4.7 | 206.7 | .25 | 4.6 | 206.6 | 4.5 | 209.7 | .25 | 4.4 |
| 14:40 | 4.4 | 192.1 | .47 | 4.5 | 192.8 | 4.5 | 192.4 | .45 | 4.5 |
| 14:45 | 4.4 | 213.1 | .02 | 4.4 | 212.4 | 4.4 | 210.4 | .12 | 4.5 |
| 14:50 | 5.9 | 217.5 | .47 | 6.0 | 216.6 | 6.1 | 216.6 | .63 | 6.2 |
| 14:55 | 3.7 | 239.3 | .77 | 3.6 | 239.3 | 3.6 | 240.0 | .87 | 3.6 |
| 15:00 | 4.4 | 262.3 | .35 | 4.3 | 262.7 | 4.4 | 263.7 | .42 | 4.5 |
| 15:05 | 3.6 | 249.3 | .50 | 3.6 | 245.6 | 3.5 | 244.8 | .52 | 3.6 |
| 15:10 | 3.5 | 229.0 | .48 | 3.5 | 230.7 | 3.4 | 231.2 | .44 | 3.5 |
| 15:15 | 2.8 | 239.1 | .24 | 2.8 | 239.1 | 2.8 | 240.6 | .31 | 2.9 |
| 15:20 | 3.5 | 236.8 | -.28 | 3.3 | 236.7 | 3.2 | 235.5 | -.35 | 3.3 |
| 15:25 | 3.4 | 255.1 | .89 | 3.4 | 253.0 | 3.4 | 250.7 | .97 | 3.5 |
| 15:30 | 3.7 | 268.6 | .24 | 3.3 | 268.4 | 3.2 | 265.8 | .31 | 3.3 |
| 15:35 | 3.1 | 247.4 | .71 | 3.2 | 242.5 | 3.0 | 239.6 | .64 | 2.9 |
| 15:40 | 3.7 | 270.7 | -.77 | 3.8 | 272.6 | 4.2 | 274.5 | -.79 | 4.4 |
| 15:45 | 4.1 | 248.0 | .17 | 4.1 | 247.8 | 4.2 | 246.7 | .20 | 4.2 |
| 15:50 | 3.6 | 209.9 | -.34 | 3.9 | 206.1 | 3.9 | 204.6 | -.44 | 3.6 |
| 15:55 | 4.2 | 211.2 | .51 | 4.2 | 213.3 | 4.2 | 213.7 | .68 | 4.2 |
| 16:00 | 1.8 | 208.8 | .49 | 1.8 | 209.2 | 1.7 | 210.5 | .35 | 1.8 |
| 16:05 | 3.7 | 231.8 | -.81 | 3.9 | 234.0 | 4.0 | 237.7 | -.72 | 3.7 |
| 16:10 | 4.8 | 237.9 | .45 | 4.7 | 238.2 | 4.7 | 238.9 | .40 | 4.9 |
| 16:15 | 4.1 | 229.5 | .59 | 3.9 | 229.0 | 3.9 | 230.3 | .66 | 4.0 |
| 16:20 | 3.9 | 240.9 | .25 | 3.9 | 236.0 | 4.0 | 234.7 | .34 | 4.0 |
| 16:25 | 4.1 | 221.8 | .15 | 4.1 | 222.7 | 4.2 | 223.6 | .14 | 4.3 |
| 16:30 | 4.2 | 223.7 | .23 | 4.3 | 221.7 | 4.2 | 220.3 | .28 | 4.0 |
| 16:35 | 2.3 | 235.2 | .26 | 2.5 | 238.8 | 2.6 | 237.6 | .22 | 2.8 |
| 16:40 | 3.3 | 222.3 | -.13 | 3.3 | 221.9 | 3.3 | 225.0 | -.31 | 3.4 |
| 16:45 | 3.2 | 231.4 | .69 | 3.3 | 230.4 | 3.3 | 227.6 | .74 | 3.2 |
| 16:50 | 4.2 | 231.9 | .46 | 4.0 | 229.9 | 3.8 | 227.8 | .56 | 4.0 |
| 16:55 | 3.7 | 217.7 | .79 | 3.7 | 215.8 | 3.6 | 215.1 | .98 | 3.7 |
| 17:00 | 3.1 | 219.7 | .44 | 3.1 | 219.3 | 3.0 | 220.1 | .54 | 3.4 |
| 17:05 | 4.3 | 222.6 | .19 | 4.2 | 220.5 | 4.2 | 221.0 | .30 | 4.2 |
| 17:10 | 4.3 | 230.4 | .33 | 4.4 | 230.7 | 4.4 | 232.0 | .40 | 4.8 |
| 17:15 | 3.6 | 223.2 | -.08 | 3.8 | 221.7 | 3.9 | 220.0 | .00 | 3.5 |
| 17:20 | 4.2 | 228.7 | -.14 | 4.3 | 230.8 | 4.7 | 235.4 | -.14 | 4.7 |
| 17:25 | 4.7 | 264.4 | .14 | 5.0 | 266.3 | 5.2 | 268.0 | .25 | 5.4 |
| 17:30 | 4.0 | 235.4 | .25 | 3.9 | 236.6 | 3.9 | 236.3 | .20 | 3.6 |
| 17:35 | 4.3 | 233.9 | -.52 | 4.5 | 230.6 | 4.5 | 230.2 | -.72 | 4.6 |
| 17:40 | 5.0 | 246.7 | .31 | 5.1 | 248.1 | 5.3 | 251.1 | .27 | 5.6 |
| 17:45 | 4.1 | 243.1 | .79 | 4.1 | 243.4 | 4.0 | 242.0 | .79 | 4.1 |
| 17:50 | 2.2 | 249.2 | .70 | 2.3 | 255.0 | 2.4 | 256.4 | .81 | 2.6 |
| 17:55 | 2.3 | 317.5 | .28 | 2.6 | 318.0 | 2.4 | 321.3 | .32 | 2.4 |
| 18:00 | 2.8 | 248.7 | -.58 | 2.8 | 245.4 | 2.6 | 246.7 | -.52 | 2.7 |
| 18:05 | 4.6 | 264.3 | -.90 | 4.6 | 261.6 | 4.7 | 260.7 | -.96 | 4.7 |
| 18:10 | 3.9 | 229.3 | -.39 | 4.0 | 229.0 | 3.9 | 227.9 | -.38 | 3.8 |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 18:15 | 3.5 | 220.0 | .45 | 3.4 | 222.1 | 3.5 | 225.8 | .43 | 3.5 |
| 18:20 | 3.9 | 221.9 | -.40 | 4.1 | 220.7 | 4.2 | 220.2 | -.38 | 4.3 |
| 18:25 | 4.8 | 222.7 | .33 | 4.8 | 221.2 | 4.8 | 220.9 | .32 | 4.7 |
| 18:30 | 4.8 | 228.8 | -.18 | 4.8 | 228.6 | 4.8 | 228.6 | -.27 | 4.8 |
| 18:35 | 4.8 | 234.1 | -.23 | 5.0 | 232.6 | 5.1 | 232.0 | -.23 | 5.2 |
| 18:40 | 5.1 | 231.3 | -.15 | 5.3 | 232.3 | 5.3 | 232.9 | -.15 | 5.4 |
| 18:45 | 4.3 | 238.7 | -.41 | 4.2 | 236.7 | 4.4 | 234.9 | -.42 | 4.3 |
| 18:50 | 4.9 | 230.9 | -.28 | 5.0 | 230.1 | 5.1 | 229.2 | -.34 | 5.1 |
| 18:55 | 4.8 | 242.5 | .39 | 4.8 | 241.0 | 4.9 | 242.0 | .45 | 5.0 |
| 19:00 | 5.1 | 248.2 | .11 | 5.2 | 250.7 | 5.2 | 250.5 | .09 | 5.2 |
| 19:05 | 4.5 | 246.2 | -.83 | 4.8 | 246.0 | 4.9 | 245.8 | -.82 | 4.9 |
| 19:10 | 6.1 | 240.3 | .15 | 6.1 | 240.0 | 6.1 | 240.1 | .14 | 6.2 |
| 19:15 | 5.7 | 235.5 | .07 | 5.8 | 237.2 | 5.9 | 237.5 | .07 | 6.2 |
| 19:20 | 4.3 | 227.1 | -.25 | 4.3 | 231.2 | 4.3 | 231.9 | -.35 | 4.4 |
| 19:25 | 4.2 | 217.1 | -.38 | 4.1 | 217.6 | 4.2 | 217.4 | -.36 | 4.2 |
| 19:30 | 4.3 | 221.1 | .01 | 4.2 | 222.4 | 4.2 | 223.2 | -.07 | 4.3 |
| 19:35 | 5.1 | 225.4 | .25 | 5.2 | 225.0 | 5.1 | 224.9 | .29 | 5.1 |
| 19:40 | 5.0 | 222.4 | .03 | 5.0 | 220.4 | 5.1 | 219.8 | .02 | 5.2 |
| 19:45 | 4.4 | 225.1 | -.17 | 4.5 | 224.9 | 4.5 | 224.2 | -.17 | 4.6 |
| 19:50 | 4.5 | 224.2 | -.02 | 4.5 | 225.4 | 4.6 | 225.8 | -.03 | 4.4 |
| 19:55 | 3.7 | 212.6 | -.28 | 3.8 | 214.2 | 3.9 | 215.1 | -.27 | 4.0 |
| 20:00 | 4.5 | 212.3 | -.10 | 4.4 | 214.3 | 4.2 | 214.7 | -.10 | 4.1 |
| 20:05 | 4.6 | 206.9 | .05 | 4.8 | 208.0 | 4.9 | 208.7 | .00 | 5.0 |
| 20:10 | 5.2 | 208.8 | -.10 | 5.2 | 209.2 | 5.4 | 211.8 | -.09 | 5.6 |
| 20:15 | 5.2 | 216.0 | -.08 | 5.4 | 217.1 | 5.5 | 218.3 | -.05 | 5.6 |
| 20:20 | 5.1 | 211.8 | -.08 | 5.2 | 212.0 | 5.4 | 211.9 | -.01 | 5.5 |
| 20:25 | 5.1 | 211.8 | -.09 | 5.3 | 211.4 | 5.5 | 211.3 | -.02 | 5.7 |
| 20:30 | 5.8 | 209.0 | -.06 | 6.0 | 209.0 | 6.1 | 209.5 | -.10 | 6.4 |
| 20:35 | 6.5 | 211.2 | -.11 | 6.6 | 211.1 | 6.6 | 211.4 | -.10 | 6.5 |
| 20:40 | 6.4 | 210.3 | -.17 | 6.5 | 210.2 | 6.4 | 210.0 | -.16 | 6.3 |
| 20:45 | 6.5 | 210.0 | -.18 | 6.6 | 210.9 | 6.5 | 210.8 | -.17 | 6.6 |
| 20:50 | 6.3 | 209.2 | -.21 | 6.5 | 210.6 | 6.5 | 211.2 | -.20 | 6.6 |
| 20:55 | 6.3 | 206.6 | -.24 | 6.4 | 207.0 | 6.4 | 207.5 | -.21 | 6.5 |
| 21:00 | 6.3 | 208.8 | -.29 | 6.4 | 208.7 | 6.5 | 209.6 | -.26 | 6.5 |
| 21:05 | 6.3 | 210.5 | -.29 | 6.5 | 210.8 | 6.6 | 211.1 | -.34 | 6.6 |
| 21:10 | 6.1 | 212.4 | -.23 | 6.4 | 212.5 | 6.5 | 212.3 | -.29 | 6.7 |
| 21:15 | 6.1 | 209.7 | -.25 | 6.4 | 210.0 | 6.4 | 210.0 | -.24 | 6.5 |
| 21:20 | 6.2 | 212.2 | -.12 | 6.4 | 214.3 | 6.5 | 214.7 | -.11 | 6.5 |
| 21:25 | 6.1 | 214.5 | .01 | 6.2 | 216.8 | 6.3 | 216.6 | -.01 | 6.3 |
| 21:30 | 6.1 | 215.3 | .08 | 6.3 | 214.3 | 6.4 | 215.9 | .05 | 6.5 |
| 21:35 | 6.0 | 218.0 | -.01 | 6.3 | 216.8 | 6.5 | 217.9 | .00 | 6.6 |
| 21:40 | 5.1 | 218.1 | -.04 | 5.8 | 217.7 | 6.3 | 218.4 | .00 | 6.6 |
| 21:45 | 5.0 | 220.1 | -.02 | 5.9 | 220.3 | 6.6 | 220.5 | .03 | 6.9 |
| 21:50 | 5.2 | 223.1 | .00 | 6.0 | 222.7 | 6.8 | 221.9 | .00 | 7.1 |
| 21:55 | 5.5 | 226.8 | -.02 | 6.3 | 224.5 | 6.8 | 222.8 | .00 | 6.9 |
| 22:00 | 4.9 | 231.7 | .01 | 5.6 | 227.8 | 6.3 | 224.7 | .01 | 6.5 |
| 22:05 | 4.4 | 234.7 | .03 | 5.2 | 228.9 | 5.7 | 225.3 | .03 | 5.9 |
| 22:10 | 4.3 | 234.2 | -.03 | 4.9 | 229.6 | 5.5 | 224.9 | -.04 | 6.0 |
| 22:15 | 3.9 | 240.3 | -.01 | 4.5 | 234.5 | 5.1 | 228.4 | -.03 | 5.6 |
| 22:20 | 4.0 | 247.0 | .03 | 4.4 | 242.5 | 4.9 | 235.3 | .08 | 5.2 |
| 22:25 | 3.8 | 243.0 | .12 | 4.1 | 237.0 | 4.4 | 233.8 | .10 | 4.7 |
| 22:30 | 3.6 | 244.1 | .07 | 4.0 | 240.1 | 4.3 | 236.2 | .05 | 4.7 |
| 22:35 | 3.7 | 243.1 | -.01 | 3.9 | 238.6 | 4.2 | 235.3 | -.01 | 4.6 |
| 22:40 | 3.8 | 241.4 | .07 | 3.9 | 236.7 | 4.3 | 233.2 | .05 | 4.6 |
| 22:45 | 3.7 | 243.3 | .05 | 3.9 | 240.9 | 4.1 | 238.4 | .06 | 4.3 |
| 22:50 | 3.5 | 243.7 | .03 | 3.6 | 241.8 | 3.7 | 240.0 | .04 | 3.7 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

6/16/2022

Interval: 005m

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 00:00 | 175.4 | -.06 | 4.8 | 172.6 | -.04 | 4.5 | 170.6 | -.02 | 4.1 |
| 00:05 | 180.9 | -.08 | 4.8 | 178.3 | -.07 | 4.5 | 174.9 | -.06 | 4.2 |
| 00:10 | 187.8 | .07 | 4.6 | 185.0 | .08 | 4.4 | 182.9 | .07 | 4.0 |
| 00:15 | 192.0 | .06 | 3.9 | 189.4 | .07 | 3.6 | 185.8 | .05 | 3.3 |
| 00:20 | 189.9 | .06 | 3.9 | 186.3 | .09 | 3.7 | 183.6 | .07 | 3.4 |
| 00:25 | 191.6 | -.14 | 3.5 | 188.1 | -.04 | 3.3 | 185.3 | -.09 | 3.0 |
| 00:30 | 194.7 | .07 | 3.4 | 195.1 | .06 | 3.1 | 184.6 | .08 | 3.0 |
| 00:35 | 196.0 | -.04 | 3.4 | 196.6 | -.03 | 3.1 | 192.3 | -.03 | 3.0 |
| 00:40 | | -.07 | | | -.05 | | | -.07 | |
| 00:45 | | -.06 | 4.0 | 211.9 | -.06 | | | -.07 | |
| 00:50 | | -.12 | | | -.12 | | | -.14 | |
| 00:55 | | .09 | | | .02 | | | -.03 | |
| 01:00 | | .06 | | | -.03 | | | .00 | |
| 01:05 | 235.2 | .04 | | | -.14 | | | -.10 | |
| 01:10 | 242.7 | -.02 | 4.6 | 231.7 | .05 | | | .01 | |
| 01:15 | 238.1 | .03 | 4.6 | 229.0 | -.01 | | | .01 | |
| 01:20 | 236.9 | .03 | | | .01 | | | -.03 | |
| 01:25 | | .03 | | | .02 | | | .07 | |
| 01:30 | | -.03 | | | -.04 | | | .01 | |
| 01:35 | 232.5 | .10 | 4.1 | 232.2 | .13 | | | .08 | |
| 01:40 | | .02 | | | .03 | | | .03 | |
| 01:45 | | .10 | | | .05 | | | .05 | |
| 01:50 | 228.4 | .01 | 3.8 | 222.1 | -.04 | | | -.06 | |
| 01:55 | | .00 | | | -.03 | | | -.04 | |
| 02:00 | 216.7 | -.12 | 3.6 | 211.2 | -.12 | 3.5 | 202.4 | -.05 | |
| 02:05 | 219.8 | .00 | 3.7 | 217.5 | .01 | 3.8 | 216.8 | .03 | |
| 02:10 | 216.7 | .31 | 4.2 | 211.1 | .33 | 4.6 | 209.9 | .25 | |
| 02:15 | 227.3 | -.03 | | | .01 | | | -.03 | |
| 02:20 | | .05 | | | .04 | | | -.05 | |
| 02:25 | | .01 | | | .00 | | | .06 | |
| 02:30 | | -.03 | | | .05 | | | .07 | |
| 02:35 | 219.8 | .07 | | | .03 | | | .07 | |
| 02:40 | | -.04 | | | -.08 | | | -.18 | |
| 02:45 | 222.7 | -.05 | | | -.03 | | | .02 | |
| 02:50 | | .07 | | | .09 | | | .04 | |
| 02:55 | | .08 | | | .06 | | | .04 | |
| 03:00 | | .14 | | | .16 | | | .10 | |
| 03:05 | 212.8 | .11 | | | .14 | | | .14 | |
| 03:10 | | .05 | | | .01 | | | .04 | |
| 03:15 | | -.03 | 9.8 | 218.5 | -.10 | | | -.14 | 11.5 |
| 03:20 | 224.6 | -.14 | 8.6 | 226.8 | -.20 | 10.1 | 231.8 | -.20 | |
| 03:25 | | .00 | | | -.02 | | | -.11 | |
| 03:30 | 224.6 | -.05 | 7.8 | 228.3 | -.15 | 7.7 | 224.1 | -.09 | |
| 03:35 | | -.03 | | | -.01 | | | -.08 | |
| 03:40 | | .01 | | | .08 | | | .12 | |
| 03:45 | 215.3 | .24 | 9.2 | 215.4 | .31 | 9.1 | 208.1 | .23 | 9.8 |
| 03:50 | 212.9 | .10 | 8.7 | 212.2 | .10 | 9.6 | 213.0 | .10 | 10.5 |
| 03:55 | 219.4 | -.02 | 9.2 | 217.3 | -.02 | 9.6 | 218.2 | -.03 | 10.3 |
| 04:00 | 225.8 | .07 | 8.0 | 227.6 | .03 | 8.1 | 225.6 | .02 | |
| 04:05 | 229.8 | .13 | 8.1 | 230.4 | .15 | | | .11 | |
| 04:10 | 243.0 | .16 | 6.8 | 242.4 | .11 | 7.7 | 245.6 | .14 | 7.7 |

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 04:15 | 242.6 | .03 | 7.1 | 246.6 | .03 | | | -.05 | |
| 04:20 | 244.3 | .25 | 6.0 | 248.1 | .21 | 7.8 | 248.5 | .22 | |
| 04:25 | 240.6 | .14 | 7.0 | 241.3 | .16 | 6.4 | 238.1 | .22 | 7.1 |
| 04:30 | | .10 | | | .08 | | | .06 | |
| 04:35 | 241.8 | .02 | | | .00 | | | .05 | |
| 04:40 | | .01 | 5.4 | 244.0 | .00 | | | .00 | |
| 04:45 | 241.6 | .24 | | | .20 | | | .23 | |
| 04:50 | 240.4 | .02 | 6.1 | 242.2 | -.01 | 6.6 | 244.6 | .02 | 6.4 |
| 04:55 | | -.01 | 6.5 | 240.5 | .01 | | | -.01 | |
| 05:00 | 242.2 | .04 | 4.9 | 246.6 | -.02 | 5.1 | 247.4 | .05 | 5.4 |
| 05:05 | 244.7 | -.01 | | | .01 | | | .01 | |
| 05:10 | 242.1 | .08 | 5.0 | 244.2 | .09 | 4.7 | 247.8 | .08 | 5.0 |
| 05:15 | 248.4 | .08 | 4.4 | 253.6 | .07 | 4.6 | 254.1 | .10 | |
| 05:20 | 254.5 | .09 | 4.4 | 262.6 | .07 | 4.5 | 269.2 | .09 | 4.3 |
| 05:25 | 263.5 | .02 | | | -.02 | | | -.05 | |
| 05:30 | 267.5 | -.01 | | | -.02 | | | -.03 | |
| 05:35 | 288.2 | -.06 | 4.2 | 289.6 | -.08 | 4.9 | 288.9 | -.07 | 4.9 |
| 05:40 | 285.1 | .08 | 3.6 | 287.4 | .10 | 4.0 | 285.3 | .03 | 3.5 |
| 05:45 | 284.8 | .26 | 3.9 | 280.8 | .26 | 4.0 | 276.4 | .28 | 4.2 |
| 05:50 | 278.8 | .14 | 3.6 | 273.0 | .11 | 3.7 | 272.3 | .09 | 3.9 |
| 05:55 | 287.7 | .12 | 3.9 | 283.6 | .11 | 3.8 | 281.5 | .12 | 4.4 |
| 06:00 | 285.5 | .06 | 4.1 | 280.7 | .04 | 4.7 | 278.4 | .01 | 5.1 |
| 06:05 | 273.6 | .01 | 3.8 | 270.3 | .04 | 4.5 | 272.5 | .01 | 4.9 |
| 06:10 | 269.7 | .20 | 4.2 | 273.9 | .19 | 3.7 | 278.7 | .14 | 5.2 |
| 06:15 | | .05 | | | .06 | | | .07 | |
| 06:20 | 280.8 | -.02 | 3.5 | 292.1 | -.03 | 3.4 | 306.1 | .00 | 3.8 |
| 06:25 | | .09 | | | .02 | | | .03 | |
| 06:30 | 284.9 | .01 | 2.6 | 306.8 | -.03 | 3.2 | 319.3 | .03 | 3.9 |
| 06:35 | 285.4 | .07 | 3.1 | 295.7 | .02 | 3.6 | 309.8 | .01 | |
| 06:40 | | .07 | | | .04 | | | .07 | |
| 06:45 | 266.5 | .28 | 1.8 | 288.1 | .19 | 1.9 | 312.6 | .17 | 2.8 |
| 06:50 | 268.2 | .13 | | | .06 | | | .05 | |
| 06:55 | | .07 | | | -.03 | | | -.10 | |
| 07:00 | 272.6 | .04 | 2.4 | 292.7 | .01 | 2.7 | 308.3 | -.05 | 3.1 |
| 07:05 | 275.1 | .09 | 2.3 | 309.9 | .06 | | | .03 | |
| 07:10 | 275.2 | -.04 | 2.5 | 291.5 | -.09 | 2.8 | 313.6 | -.12 | 3.2 |
| 07:15 | 271.4 | .05 | 2.7 | 284.7 | .05 | 2.7 | 293.7 | .04 | 2.7 |
| 07:20 | 265.3 | .10 | 2.7 | 276.5 | .08 | 2.8 | 285.3 | .09 | 2.9 |
| 07:25 | 266.9 | .08 | 3.1 | 274.4 | .03 | 3.0 | 285.2 | .02 | 3.0 |
| 07:30 | 266.0 | .06 | 3.1 | 273.7 | .09 | 2.7 | 288.3 | .06 | 2.7 |
| 07:35 | 275.6 | .03 | 3.5 | 284.7 | .01 | 3.6 | 289.6 | -.03 | |
| 07:40 | 248.7 | .01 | | | .03 | | | .02 | |
| 07:45 | 283.5 | .03 | 2.8 | 296.9 | -.03 | 3.1 | 308.4 | .01 | 3.3 |
| 07:50 | | -.09 | | | -.08 | | | -.18 | |
| 07:55 | 256.3 | .04 | 2.3 | 274.9 | .04 | 3.0 | 288.4 | .01 | |
| 08:00 | 248.1 | .12 | 2.5 | 264.2 | .11 | 2.5 | 281.7 | .10 | 2.8 |
| 08:05 | 245.6 | .13 | 3.5 | 256.3 | .12 | 3.3 | 268.8 | .06 | 2.8 |
| 08:10 | 243.5 | .18 | 3.1 | 255.6 | .24 | 2.7 | 267.5 | .18 | 2.6 |
| 08:15 | 247.8 | .11 | 3.0 | 258.4 | .11 | 2.7 | 268.4 | .08 | 2.9 |
| 08:20 | 251.8 | .13 | 3.2 | 259.8 | .14 | 2.9 | 272.6 | .14 | 2.8 |
| 08:25 | 254.1 | .10 | 3.4 | 260.5 | .11 | 3.0 | 269.4 | .08 | 3.0 |
| 08:30 | 252.3 | .14 | 2.8 | 258.1 | .11 | 2.5 | 267.6 | .12 | 2.5 |
| 08:35 | 243.9 | .12 | 2.5 | 250.5 | .14 | 2.2 | 259.4 | .17 | 2.3 |
| 08:40 | 250.2 | .19 | 2.0 | 259.9 | .19 | 2.0 | 271.6 | .17 | 2.2 |
| 08:45 | 253.2 | .14 | 1.7 | 266.7 | .12 | 1.9 | 281.9 | .10 | 2.2 |
| 08:50 | 262.3 | .03 | 1.7 | 273.5 | .03 | 1.8 | 290.1 | .03 | 2.2 |

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 08:55 | 261.5 | .04 | 1.8 | 273.0 | .04 | 2.0 | 291.0 | .05 | 2.3 |
| 09:00 | 269.9 | -.04 | 1.7 | 282.0 | -.01 | 1.7 | 295.4 | -.03 | 2.0 |
| 09:05 | 266.5 | -.12 | 1.7 | 276.4 | -.12 | 1.7 | 288.8 | -.10 | 1.8 |
| 09:10 | 271.5 | .07 | 2.4 | 274.7 | .06 | 2.1 | 280.5 | .03 | 2.2 |
| 09:15 | 274.5 | .22 | 1.8 | 281.4 | .16 | 1.7 | 285.8 | .09 | 1.8 |
| 09:20 | 269.0 | .21 | 2.0 | 280.6 | .18 | 2.0 | 293.0 | .13 | 2.2 |
| 09:25 | 270.1 | .09 | 1.5 | 291.6 | .05 | 2.0 | 309.1 | .02 | 2.5 |
| 09:30 | 244.0 | .04 | 1.0 | 295.5 | .02 | 1.5 | 317.5 | .03 | 2.0 |
| 09:35 | 253.2 | .08 | 1.0 | 292.9 | .10 | 1.2 | 311.6 | .12 | 1.8 |
| 09:40 | 236.1 | .12 | .8 | 284.3 | .13 | 1.3 | 317.6 | .11 | 1.9 |
| 09:45 | 246.1 | .02 | .9 | 307.2 | .14 | 1.4 | 323.6 | .13 | 2.0 |
| 09:50 | 231.6 | .05 | .8 | 337.1 | .06 | 1.6 | 337.9 | .07 | 1.8 |
| 09:55 | 346.1 | .36 | 1.5 | 341.5 | .37 | 1.8 | 330.7 | .32 | 1.9 |
| 10:00 | 337.7 | -.11 | 1.7 | 336.5 | -.07 | 1.7 | 330.7 | -.03 | 1.8 |
| 10:05 | 356.2 | .03 | 1.0 | 356.4 | -.06 | 1.1 | 335.6 | -.13 | 1.1 |
| 10:10 | 77.9 | -.01 | 1.8 | 74.5 | .05 | 1.4 | 75.7 | .22 | 1.2 |
| 10:15 | 86.2 | .12 | 1.4 | 89.4 | .03 | 1.1 | 103.9 | .05 | .9 |
| 10:20 | 52.3 | .16 | 1.1 | 47.7 | .06 | .6 | 94.6 | .01 | .8 |
| 10:25 | 111.3 | .08 | 1.1 | 109.6 | .05 | 1.1 | 102.5 | -.03 | 1.0 |
| 10:30 | 252.6 | -.79 | 1.2 | 265.5 | -.58 | 1.1 | 273.7 | -.38 | .9 |
| 10:35 | 220.6 | -.25 | .8 | 225.1 | .03 | .7 | 240.6 | .35 | .7 |
| 10:40 | 172.2 | .38 | .9 | 200.3 | .37 | .8 | 215.1 | .46 | .7 |
| 10:45 | 201.7 | .46 | 1.2 | 201.1 | .47 | 1.1 | 204.5 | .45 | 1.2 |
| 10:50 | 223.3 | .29 | 1.4 | 220.4 | .30 | 1.5 | 220.8 | .28 | 1.6 |
| 10:55 | 203.9 | .21 | 1.5 | 204.4 | .28 | 1.6 | 210.3 | .38 | 1.8 |
| 11:00 | 171.9 | -.06 | 1.4 | 185.7 | -.01 | 1.6 | 191.9 | .03 | 1.7 |
| 11:05 | 173.4 | -.02 | 1.5 | 186.5 | .05 | 1.6 | 207.7 | .21 | 1.9 |
| 11:10 | 172.1 | .67 | 1.8 | 174.6 | .66 | 1.8 | 177.5 | .67 | 1.8 |
| 11:15 | 189.6 | -.06 | 2.6 | 190.7 | -.13 | 2.6 | 189.6 | -.14 | 2.4 |
| 11:20 | 188.0 | .21 | 2.3 | 187.9 | .17 | 2.2 | 189.8 | .20 | 2.3 |
| 11:25 | 200.9 | .45 | 1.3 | 201.9 | .38 | 1.2 | 205.9 | .32 | 1.2 |
| 11:30 | 211.2 | .27 | 1.8 | 214.1 | .31 | 1.8 | 214.1 | .42 | 1.9 |
| 11:35 | 208.7 | -.52 | 2.0 | 213.9 | -.46 | 2.1 | 217.5 | -.49 | 2.2 |
| 11:40 | 223.6 | -1.03 | 2.3 | 227.6 | -1.16 | 2.2 | 231.7 | -1.37 | 2.4 |
| 11:45 | 201.7 | -1.62 | 1.8 | 216.5 | -1.69 | 1.7 | 240.3 | -1.70 | 2.0 |
| 11:50 | 304.0 | .03 | 2.7 | 306.5 | .19 | 2.6 | 310.6 | .16 | 2.5 |
| 11:55 | 328.7 | .58 | 1.4 | 323.8 | .68 | 1.7 | 324.4 | .76 | 2.0 |
| 12:00 | 231.6 | -.48 | 1.4 | 215.3 | -.50 | 1.3 | 212.8 | -.54 | 1.0 |
| 12:05 | 118.4 | .02 | 1.9 | 110.3 | .09 | 1.9 | 114.6 | .08 | 1.9 |
| 12:10 | 210.9 | -.16 | 2.1 | 215.4 | -.21 | 2.0 | 217.3 | -.31 | 2.0 |
| 12:15 | 201.5 | .28 | 2.3 | 202.8 | .17 | 2.1 | 205.3 | .07 | 1.9 |
| 12:20 | 202.8 | .10 | 2.5 | 197.6 | .31 | 2.6 | 198.8 | .49 | 2.6 |
| 12:25 | 248.7 | .71 | 1.6 | 258.0 | .64 | 1.7 | 266.1 | .53 | 1.8 |
| 12:30 | 206.0 | .40 | 1.3 | 198.9 | .41 | 1.3 | 194.5 | .44 | 1.6 |
| 12:35 | 176.1 | .57 | 1.5 | 183.6 | .52 | 1.4 | 175.0 | .41 | 1.3 |
| 12:40 | 149.2 | .24 | 1.0 | 154.0 | .19 | 1.2 | 158.8 | .16 | 1.2 |
| 12:45 | 251.7 | -1.06 | 1.7 | 253.8 | -1.04 | 1.7 | 246.9 | -1.04 | 1.6 |
| 12:50 | 230.7 | -.45 | 3.2 | 225.0 | -.51 | 3.1 | 221.0 | -.56 | 3.1 |
| 12:55 | 241.8 | -.81 | 2.8 | 240.8 | -.59 | 2.9 | 234.7 | -.50 | 2.9 |
| 13:00 | 183.4 | -.42 | 2.2 | 182.6 | -.31 | 2.0 | 182.5 | -.21 | 1.8 |
| 13:05 | 181.1 | .09 | 1.7 | 188.1 | .04 | 2.0 | 188.7 | .03 | 2.3 |
| 13:10 | 125.8 | .65 | 1.3 | 135.5 | .67 | 1.4 | 140.1 | .75 | 1.5 |
| 13:15 | 145.3 | -.90 | 2.5 | 151.0 | -.76 | 2.4 | 156.0 | -.66 | 2.3 |
| 13:20 | 198.2 | -.53 | 2.3 | 196.7 | -.60 | 2.4 | 194.7 | -.55 | 2.4 |
| 13:25 | 170.8 | .29 | 2.7 | 169.8 | .34 | 2.8 | 174.3 | .35 | 3.0 |
| 13:30 | 158.5 | -.49 | 3.5 | 161.9 | -.41 | 3.6 | 166.1 | -.31 | 3.9 |

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 13:35 | 165.6 | -.44 | 3.4 | 168.9 | -.46 | 3.4 | 170.9 | -.55 | 3.2 |
| 13:40 | 182.7 | -.57 | 3.7 | 187.8 | -.60 | 3.9 | 194.5 | -.46 | 3.8 |
| 13:45 | 195.5 | .82 | 3.1 | 201.3 | .73 | 3.1 | 205.0 | .75 | 3.6 |
| 13:50 | 207.5 | .23 | 3.2 | 204.9 | .26 | 3.0 | 203.9 | .24 | 3.2 |
| 13:55 | 207.2 | -.63 | 3.5 | 209.7 | -.58 | 3.6 | 208.8 | -.67 | 4.0 |
| 14:00 | 253.4 | -1.15 | 4.4 | 255.0 | -1.45 | 4.9 | 260.8 | -1.58 | |
| 14:05 | 233.4 | .46 | 3.0 | 228.5 | .53 | 3.2 | 231.8 | .39 | |
| 14:10 | 253.6 | -.54 | 4.2 | 251.3 | -.75 | 4.0 | 246.1 | -.87 | 4.6 |
| 14:15 | 246.2 | .70 | 3.8 | 244.8 | .55 | 4.0 | 245.7 | .78 | |
| 14:20 | 223.2 | -.77 | 4.5 | 218.1 | -.71 | 4.1 | 215.9 | -.60 | |
| 14:25 | 204.8 | .30 | 4.5 | 200.8 | .35 | 4.1 | 221.2 | .96 | 3.3 |
| 14:30 | 204.7 | -.15 | 2.9 | 202.2 | -.32 | 2.9 | 214.0 | -.41 | |
| 14:35 | 209.4 | .13 | 4.8 | 210.2 | .04 | 3.6 | 221.1 | -.25 | 3.2 |
| 14:40 | 189.8 | .41 | 4.7 | 188.1 | .38 | 4.3 | 185.5 | .47 | |
| 14:45 | 211.3 | .25 | 4.6 | 213.1 | .33 | 3.8 | 210.1 | .16 | 6.6 |
| 14:50 | 215.4 | .66 | 6.2 | 213.9 | .76 | 5.5 | 213.9 | .83 | 5.6 |
| 14:55 | 241.8 | 1.02 | 3.6 | 242.8 | 1.06 | 5.1 | 241.9 | 1.54 | |
| 15:00 | 266.3 | .44 | 4.6 | 264.4 | .27 | 4.4 | 259.7 | .45 | |
| 15:05 | 245.3 | .64 | 3.6 | 246.2 | .66 | 4.4 | 248.8 | .71 | 4.0 |
| 15:10 | 233.6 | .68 | 3.3 | 234.6 | .79 | 3.3 | 236.9 | .64 | 5.4 |
| 15:15 | 240.1 | .67 | 2.7 | 237.8 | .80 | 3.0 | 239.5 | .80 | 2.3 |
| 15:20 | 238.0 | -.87 | 3.0 | 239.1 | -1.27 | 3.4 | 248.9 | -1.70 | 5.3 |
| 15:25 | 246.5 | .98 | 4.0 | 243.5 | 1.08 | 4.2 | 239.4 | 1.09 | |
| 15:30 | 263.5 | .45 | 3.2 | 264.0 | .34 | 3.0 | 257.5 | .28 | |
| 15:35 | 237.3 | .47 | 2.4 | 231.7 | .48 | 2.5 | 215.7 | .55 | 1.9 |
| 15:40 | 274.9 | -.78 | 4.3 | 275.8 | -.66 | 4.2 | 279.4 | -.68 | |
| 15:45 | 246.6 | .07 | 4.0 | 245.7 | .26 | 4.6 | 252.0 | .50 | 3.9 |
| 15:50 | 199.8 | -.72 | 3.4 | 195.8 | -.70 | | | -.69 | |
| 15:55 | 213.2 | .86 | 4.5 | 218.0 | .84 | 3.4 | 191.4 | .65 | |
| 16:00 | 208.1 | .13 | 1.9 | 204.7 | -.23 | | | -.83 | |
| 16:05 | 238.5 | -.78 | | | -.88 | | | -.95 | |
| 16:10 | 237.6 | .12 | 4.7 | 237.8 | .34 | | | | |
| 16:15 | 232.3 | .42 | 3.4 | 236.6 | .93 | | | | |
| 16:20 | 232.1 | .33 | 4.4 | 234.0 | .26 | | | .24 | |
| 16:25 | 225.8 | .12 | 3.7 | 226.0 | .43 | | | -.50 | |
| 16:30 | 208.9 | .14 | 4.7 | 214.1 | .21 | 4.1 | 207.4 | .05 | |
| 16:35 | 238.1 | .18 | 3.3 | 244.4 | .13 | | | .59 | |
| 16:40 | 226.6 | -.47 | 2.4 | 218.4 | -.61 | | | -1.06 | |
| 16:45 | 224.5 | .85 | 2.8 | 226.5 | .95 | 3.0 | 237.8 | .49 | |
| 16:50 | 229.0 | .44 | 3.9 | 231.7 | .46 | 3.4 | 234.0 | 1.12 | |
| 16:55 | 214.6 | 1.20 | 3.4 | 217.7 | 1.19 | 4.8 | 216.6 | 1.11 | |
| 17:00 | 226.1 | .47 | 3.5 | 221.6 | .32 | 4.4 | 236.3 | .09 | |
| 17:05 | 219.8 | .34 | 4.6 | 226.1 | .59 | 3.4 | 221.6 | .03 | |
| 17:10 | 234.3 | .73 | 4.9 | 231.3 | .50 | 3.3 | 232.4 | 1.10 | |
| 17:15 | 214.1 | .15 | 4.3 | 217.3 | .01 | | | .46 | |
| 17:20 | 238.9 | -.16 | 5.7 | 247.7 | -.12 | 4.3 | 246.3 | | |
| 17:25 | 270.2 | .29 | 5.5 | 273.9 | .45 | 6.3 | 273.6 | .38 | |
| 17:30 | 234.2 | .11 | 4.3 | 248.2 | .48 | | | .22 | |
| 17:35 | 232.9 | -.83 | 4.5 | 233.4 | -.91 | | | -1.01 | |
| 17:40 | 252.8 | .44 | 5.5 | 254.7 | .58 | 5.5 | 250.2 | .49 | 4.1 |
| 17:45 | 243.9 | .83 | 3.9 | 245.3 | .93 | 3.9 | 247.9 | .78 | |
| 17:50 | 259.7 | 1.13 | 2.6 | 263.8 | 1.27 | 2.0 | 263.9 | 1.11 | 3.0 |
| 17:55 | 317.8 | .37 | 2.4 | 308.4 | .41 | 2.9 | 304.4 | .50 | 2.0 |
| 18:00 | 248.6 | -.58 | 3.2 | 251.8 | -.62 | 3.4 | 251.3 | -.21 | |
| 18:05 | 260.7 | -1.31 | 4.5 | 259.2 | -1.51 | 4.4 | 261.1 | -1.77 | 3.6 |
| 18:10 | 224.2 | -.13 | 3.8 | 222.5 | -.06 | 3.4 | 219.5 | -.08 | 3.2 |

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 18:15 | 226.0 | .30 | 3.7 | 226.6 | .33 | 3.0 | 220.7 | .64 | |
| 18:20 | 220.6 | -.30 | 4.4 | 222.5 | -.26 | 4.5 | 223.9 | -.10 | 5.5 |
| 18:25 | 220.5 | .20 | 4.5 | 219.6 | .11 | 4.0 | 220.2 | .02 | |
| 18:30 | 226.9 | -.38 | 4.8 | 226.3 | -.46 | 4.4 | 221.3 | -.39 | 4.7 |
| 18:35 | 228.0 | -.28 | 5.4 | 225.7 | -.29 | 5.1 | 221.9 | -.49 | 5.5 |
| 18:40 | 231.6 | -.14 | 5.3 | 230.7 | -.06 | 5.6 | 230.6 | -.09 | 5.8 |
| 18:45 | 233.2 | -.51 | 4.4 | 232.7 | -.44 | 4.3 | 232.5 | -.41 | 5.4 |
| 18:50 | 227.3 | -.47 | 4.8 | 222.7 | -.49 | 4.7 | 226.4 | -.71 | 5.1 |
| 18:55 | 241.4 | .59 | 5.1 | 240.9 | .53 | 5.7 | 236.9 | .65 | 4.0 |
| 19:00 | 250.6 | .01 | 5.2 | 249.8 | .04 | 5.4 | 250.4 | .22 | 4.0 |
| 19:05 | 245.0 | -.63 | 4.8 | 243.1 | -.64 | 4.2 | 244.0 | -.57 | |
| 19:10 | 240.8 | .15 | 6.2 | 240.0 | .28 | 6.0 | 238.9 | .39 | |
| 19:15 | 238.6 | .15 | 6.5 | 239.3 | .14 | 5.9 | 236.2 | .11 | 7.0 |
| 19:20 | 232.4 | -.44 | 4.5 | 233.2 | -.51 | 4.4 | 231.8 | -.35 | |
| 19:25 | 215.5 | -.53 | 4.2 | 216.8 | -.44 | 3.6 | 215.4 | -.48 | 4.2 |
| 19:30 | 227.2 | -.18 | 4.4 | 227.6 | -.29 | 4.6 | 224.3 | -.43 | 5.0 |
| 19:35 | 223.7 | .34 | 5.1 | 223.3 | .33 | 5.4 | 224.5 | .28 | |
| 19:40 | 217.9 | .09 | 5.2 | 217.1 | .07 | 5.2 | 214.8 | .08 | 4.2 |
| 19:45 | 224.6 | -.12 | 4.6 | 224.5 | -.25 | 4.9 | 225.9 | -.21 | 4.5 |
| 19:50 | 226.4 | -.08 | 4.4 | 228.4 | -.06 | 4.4 | 227.9 | .03 | 5.6 |
| 19:55 | 216.7 | -.24 | 4.1 | 218.7 | -.26 | 4.4 | 222.0 | -.07 | 3.9 |
| 20:00 | 216.7 | -.03 | 4.1 | 220.3 | -.19 | 4.5 | 221.3 | -.25 | |
| 20:05 | 209.9 | -.04 | 5.1 | 206.7 | .01 | | | -.43 | |
| 20:10 | 213.5 | -.08 | 6.1 | 214.8 | -.12 | | | -.01 | |
| 20:15 | 218.3 | -.03 | 5.2 | 213.1 | -.06 | | | -.12 | |
| 20:20 | 210.7 | .01 | 5.4 | 210.7 | .16 | | | -.03 | |
| 20:25 | 211.4 | .01 | 5.9 | 211.9 | .15 | 6.1 | 210.8 | -.33 | |
| 20:30 | 210.0 | -.12 | 5.9 | 207.0 | -.10 | | | .01 | |
| 20:35 | 212.1 | -.07 | 6.2 | 211.4 | .03 | | | -.21 | |
| 20:40 | 209.8 | -.19 | 6.3 | 210.5 | -.32 | 6.1 | 208.8 | -.08 | |
| 20:45 | 210.0 | -.17 | 6.6 | 209.1 | -.03 | | | -.29 | 6.7 |
| 20:50 | 212.0 | -.13 | 6.6 | 212.9 | -.23 | 7.0 | 212.1 | -.07 | |
| 20:55 | 208.4 | -.27 | 6.7 | 210.5 | -.34 | 6.8 | 207.1 | -.41 | |
| 21:00 | 210.7 | -.25 | 6.7 | 211.4 | -.25 | 6.4 | 209.4 | -.36 | 6.3 |
| 21:05 | 212.4 | -.28 | 6.7 | 211.6 | -.31 | 6.3 | 209.8 | -.32 | 7.2 |
| 21:10 | 213.5 | -.31 | 6.6 | 213.6 | -.35 | | | -.43 | |
| 21:15 | 210.8 | -.23 | 6.4 | 211.8 | -.15 | 6.9 | 212.7 | -.01 | |
| 21:20 | 215.4 | -.15 | 6.4 | 215.4 | -.17 | | | -.07 | |
| 21:25 | 216.3 | .00 | 6.5 | 217.5 | -.03 | 7.0 | 211.7 | .22 | |
| 21:30 | 217.6 | .05 | 6.6 | 216.8 | .14 | 6.9 | 223.9 | .09 | |
| 21:35 | 218.0 | .00 | 6.6 | 217.2 | -.10 | 6.4 | 216.8 | .27 | |
| 21:40 | 220.3 | .08 | 6.6 | 222.7 | -.14 | 7.1 | 221.5 | -.37 | |
| 21:45 | 220.5 | .01 | 7.2 | 221.5 | -.04 | 7.2 | 213.4 | -.10 | |
| 21:50 | 220.8 | .01 | 7.3 | 220.2 | .01 | 7.7 | 221.1 | .05 | |
| 21:55 | 220.7 | .05 | 7.2 | 222.1 | -.02 | 7.0 | 222.8 | .02 | |
| 22:00 | 222.9 | -.02 | 6.6 | 223.3 | -.20 | 6.4 | 222.6 | -.06 | 6.2 |
| 22:05 | 223.1 | .07 | 6.2 | 224.6 | -.03 | 6.7 | 225.9 | -.16 | |
| 22:10 | 225.3 | -.12 | 6.5 | 225.6 | -.12 | 7.1 | 225.6 | -.26 | |
| 22:15 | 225.1 | -.03 | 5.7 | 223.2 | -.03 | 6.3 | 226.6 | .00 | |
| 22:20 | 227.9 | .05 | 5.5 | 224.8 | .01 | 6.9 | 223.6 | .05 | 5.9 |
| 22:25 | 229.5 | .11 | 5.1 | 226.8 | -.02 | 5.6 | 226.2 | -.02 | 5.7 |
| 22:30 | 232.6 | .03 | 4.9 | 229.7 | -.01 | 5.1 | 227.7 | -.03 | |
| 22:35 | 232.8 | .03 | 5.0 | 229.3 | .09 | 4.9 | 229.1 | .14 | 6.2 |
| 22:40 | 231.5 | .08 | 4.9 | 228.4 | .00 | 5.3 | 228.7 | .13 | |
| 22:45 | 236.0 | .02 | 4.7 | 232.2 | .02 | 4.9 | 232.0 | .02 | 4.8 |
| 22:50 | 238.4 | -.01 | 4.0 | 236.1 | .03 | 4.3 | 234.9 | .13 | 6.0 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

6/16/2022

Interval: 005m

| | 49_WD320m | 50_WS340m | 51_WD340m | 52_WS360m | 53_WD360m | 54_WS380m | 55_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | 167.6 | 3.7 | 165.2 | 3.6 | 164.7 | | |
| 00:05 | 172.9 | 3.9 | 171.0 | 3.5 | 169.0 | | |
| 00:10 | 181.0 | 3.8 | 179.0 | 3.4 | 178.2 | | |
| 00:15 | 183.7 | 3.0 | 182.4 | 2.8 | 185.2 | | |
| 00:20 | 181.2 | 3.1 | 179.5 | 2.8 | 183.0 | | |
| 00:25 | 183.9 | 2.7 | 184.7 | 2.7 | 189.2 | | |
| 00:30 | 186.5 | 2.8 | 190.6 | | | | |
| 00:35 | 187.9 | | | | | | |
| 00:40 | | | | | | | |
| 00:45 | | | | | | | |
| 00:50 | | | | | | | |
| 00:55 | | | | | | | |
| 01:00 | | | | | | | |
| 01:05 | | | | | | | |
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| 02:55 | | | | | | | |
| 03:00 | | | | | | | |
| 03:05 | | | | | | | |
| 03:10 | | | | | | | |
| 03:15 | 211.6 | 11.9 | 212.7 | | | | |
| 03:20 | | 11.5 | 217.2 | 11.9 | 210.0 | | |
| 03:25 | | | | | | | |
| 03:30 | | | | | | | |
| 03:35 | | | | | | | |
| 03:40 | | | | | | | |
| 03:45 | 210.2 | | | | | | |
| 03:50 | 215.3 | 11.4 | 218.2 | | | | |
| 03:55 | 221.2 | | | | | | |
| 04:00 | | | | | | | |
| 04:05 | | | | | | | |
| 04:10 | 245.1 | 8.3 | 247.6 | 8.3 | 247.6 | | |

| | 49_WD320m | 50_WS340m | 51_WD340m | 52_WS360m | 53_WD360m | 54_WS380m | 55_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 04:15 | | | | | | | |
| 04:20 | | | | | | | |
| 04:25 | 238.0 | 8.1 | 242.0 | 7.9 | 243.2 | | |
| 04:30 | | | | | | | |
| 04:35 | | | | | | | |
| 04:40 | | | | | | | |
| 04:45 | | | | | | | |
| 04:50 | 243.5 | 7.0 | 243.1 | | | | |
| 04:55 | | | | | | | |
| 05:00 | 249.0 | | | | | | |
| 05:05 | | | | | | | |
| 05:10 | 248.5 | 5.7 | 246.9 | 6.0 | 246.5 | | |
| 05:15 | | 5.0 | 251.7 | 5.9 | 255.6 | | |
| 05:20 | 268.9 | 4.3 | 266.6 | 4.4 | 264.1 | | |
| 05:25 | | | | | | | |
| 05:30 | | | | | | | |
| 05:35 | 288.7 | 4.5 | 288.3 | 6.0 | 284.0 | | |
| 05:40 | 284.0 | 4.0 | 278.6 | 4.3 | 274.9 | | |
| 05:45 | 273.5 | 4.2 | 270.6 | 4.5 | 268.7 | | |
| 05:50 | 266.9 | 4.4 | 266.2 | 5.4 | 270.4 | | |
| 05:55 | 279.4 | 5.3 | 282.6 | 5.9 | 287.9 | | |
| 06:00 | 283.8 | 5.5 | 291.7 | 5.4 | 300.1 | | |
| 06:05 | 282.2 | 4.7 | 291.0 | 5.1 | 299.1 | | |
| 06:10 | 283.1 | 5.4 | 290.5 | 3.4 | 309.1 | | |
| 06:15 | | | | | | | |
| 06:20 | 317.5 | 4.7 | 320.2 | 5.6 | 316.7 | | |
| 06:25 | | | | | | | |
| 06:30 | 323.8 | 4.4 | 327.8 | | | | |
| 06:35 | | | | | | | |
| 06:40 | | | | | | | |
| 06:45 | 312.6 | 3.5 | 317.9 | | | | |
| 06:50 | | | | | | | |
| 06:55 | | | | | | | |
| 07:00 | 317.5 | 3.9 | 320.1 | 3.5 | 321.7 | | |
| 07:05 | | | | | | | |
| 07:10 | 318.8 | 4.1 | 325.2 | 5.1 | 318.3 | | |
| 07:15 | 308.8 | 3.1 | 317.0 | 3.7 | 320.8 | | |
| 07:20 | 303.9 | 3.7 | 306.3 | 4.3 | 305.9 | | |
| 07:25 | 291.7 | 2.9 | 314.9 | 3.8 | 312.1 | | |
| 07:30 | 301.2 | 3.0 | 310.1 | 3.4 | 317.6 | | |
| 07:35 | | | | | | | |
| 07:40 | | | | | | | |
| 07:45 | 316.4 | 4.7 | 313.0 | 4.7 | 316.6 | | |
| 07:50 | | | | | | | |
| 07:55 | | | | | | | |
| 08:00 | 293.1 | 3.1 | 301.5 | 4.1 | 303.5 | | |
| 08:05 | 280.5 | | | | | | |
| 08:10 | 280.1 | 3.2 | 287.9 | 3.6 | 299.1 | | |
| 08:15 | 281.1 | 3.3 | 290.4 | 3.6 | 302.6 | | |
| 08:20 | 281.8 | 3.3 | 290.6 | 3.8 | 300.1 | | |
| 08:25 | 279.6 | 3.3 | 288.1 | 3.8 | 295.4 | | |
| 08:30 | 281.8 | 3.0 | 292.9 | 3.6 | 301.6 | | |
| 08:35 | 276.4 | 2.8 | 293.4 | 3.5 | 304.2 | | |
| 08:40 | 285.0 | 2.7 | 296.5 | 3.4 | 301.6 | | |
| 08:45 | 295.2 | 2.7 | 302.0 | 3.3 | 305.5 | | |
| 08:50 | 303.4 | 2.8 | 311.6 | 3.3 | 315.3 | | |

| | 49_WD320m | 50_WS340m | 51_WD340m | 52_WS360m | 53_WD360m | 54_WS380m | 55_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 08:55 | 304.4 | 2.7 | 316.8 | 3.2 | 322.2 | | |
| 09:00 | 312.9 | 2.4 | 322.5 | 3.0 | 325.0 | | |
| 09:05 | 303.2 | 2.2 | 314.2 | 2.8 | 321.3 | | |
| 09:10 | 291.7 | 2.3 | 303.4 | 2.7 | 314.5 | | |
| 09:15 | 298.4 | 2.3 | 313.3 | 3.0 | 319.5 | | |
| 09:20 | 303.4 | 2.6 | 311.0 | 3.1 | 315.2 | | |
| 09:25 | 321.4 | 3.0 | 325.6 | 3.3 | 323.6 | | |
| 09:30 | 323.9 | 2.5 | 326.5 | 2.7 | 321.0 | | |
| 09:35 | 323.9 | 2.2 | 324.3 | 2.2 | 315.1 | | |
| 09:40 | 327.0 | 2.1 | 320.7 | 2.1 | 310.5 | | |
| 09:45 | 326.5 | 2.1 | 315.3 | 2.0 | 306.3 | | |
| 09:50 | 330.3 | 1.6 | 320.2 | 1.5 | 307.5 | | |
| 09:55 | 322.5 | 1.8 | 309.8 | 1.6 | 295.5 | | |
| 10:00 | 313.8 | 1.8 | 301.1 | 1.5 | 286.7 | | |
| 10:05 | 308.6 | 1.2 | 289.0 | .9 | 268.0 | | |
| 10:10 | 82.4 | .9 | 94.3 | .6 | 109.8 | | |
| 10:15 | 118.4 | .8 | 148.6 | 1.0 | 225.4 | | |
| 10:20 | 162.6 | .9 | 172.4 | .9 | 228.2 | | |
| 10:25 | 101.6 | .8 | 110.7 | .7 | 116.5 | | |
| 10:30 | 263.0 | .6 | 234.7 | .6 | 57.3 | | |
| 10:35 | 282.9 | .8 | 302.1 | .8 | 301.9 | | |
| 10:40 | 203.1 | .6 | 210.4 | .7 | 242.7 | | |
| 10:45 | 207.3 | 1.2 | 208.4 | 1.4 | 219.2 | | |
| 10:50 | 224.4 | 1.6 | 226.3 | 1.8 | 231.3 | | |
| 10:55 | 218.0 | 1.7 | 221.8 | 1.8 | 235.9 | | |
| 11:00 | 199.1 | 1.9 | 214.2 | 2.0 | 221.7 | | |
| 11:05 | 216.9 | 2.3 | 223.1 | 2.6 | 224.4 | | |
| 11:10 | 177.8 | 1.9 | 178.2 | 1.9 | 185.0 | | |
| 11:15 | 189.9 | 2.4 | 194.4 | 2.4 | 194.5 | | |
| 11:20 | 191.8 | 2.2 | 194.0 | 2.1 | 199.2 | | |
| 11:25 | 206.5 | 1.1 | 202.1 | 1.1 | 202.8 | | |
| 11:30 | 218.6 | 1.9 | 221.8 | 1.8 | 219.5 | | |
| 11:35 | 216.2 | 2.1 | 216.4 | 2.0 | 218.3 | | |
| 11:40 | 238.7 | 2.4 | 240.9 | 2.6 | 248.6 | | |
| 11:45 | 252.7 | 2.1 | 257.3 | 1.9 | 260.0 | | |
| 11:50 | 308.1 | 2.6 | 305.7 | 2.8 | 303.6 | | |
| 11:55 | 322.9 | 2.0 | 324.9 | 1.8 | 330.3 | | |
| 12:00 | 224.4 | 1.0 | 219.3 | 1.1 | 247.3 | | |
| 12:05 | 110.9 | 1.6 | 110.5 | 1.7 | 107.2 | | |
| 12:10 | 217.4 | 1.6 | 219.9 | 1.3 | 245.2 | | |
| 12:15 | 203.8 | 1.9 | 205.3 | 1.9 | 210.1 | | |
| 12:20 | 202.4 | 2.5 | 207.4 | 2.4 | 208.8 | | |
| 12:25 | 273.9 | 1.8 | 275.6 | 1.5 | 278.1 | | |
| 12:30 | 192.3 | 2.0 | 190.5 | 2.3 | 184.6 | | |
| 12:35 | 167.5 | 1.5 | 165.5 | 1.8 | 148.9 | | |
| 12:40 | 165.9 | 1.3 | 167.3 | 1.4 | 166.2 | | |
| 12:45 | 251.0 | 1.5 | 255.5 | 1.7 | 260.7 | | |
| 12:50 | 220.6 | 3.3 | 218.1 | 3.2 | 212.9 | | |
| 12:55 | 232.7 | 3.2 | 239.2 | 3.0 | 240.1 | | |
| 13:00 | 167.0 | 1.6 | 173.2 | 1.9 | 167.3 | | |
| 13:05 | 183.7 | 2.6 | 179.1 | 2.0 | 201.0 | | |
| 13:10 | 135.5 | 1.2 | 123.3 | 1.5 | 112.8 | | |
| 13:15 | 157.8 | 2.0 | 163.1 | 1.9 | 158.9 | | |
| 13:20 | 193.5 | 2.5 | 190.3 | 2.7 | 177.8 | | |
| 13:25 | 184.6 | 3.1 | 184.1 | 3.0 | 187.9 | | |
| 13:30 | 168.0 | 3.8 | 170.1 | 3.7 | 152.1 | | |

| | 49_WD320m | 50_WS340m | 51_WD340m | 52_WS360m | 53_WD360m | 54_WS380m | 55_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 13:35 | 174.8 | 3.6 | 186.9 | 3.5 | 187.4 | | |
| 13:40 | 200.2 | 3.9 | 197.2 | | | | |
| 13:45 | 215.9 | 2.6 | 201.1 | 3.2 | 216.1 | | |
| 13:50 | 203.7 | 2.8 | 218.2 | | | | |
| 13:55 | 204.9 | 4.0 | 204.0 | | | | |
| 14:00 | | | | | | | |
| 14:05 | | | | | | | |
| 14:10 | 246.6 | 2.9 | 242.0 | | | | |
| 14:15 | | | | | | | |
| 14:20 | | | | | | | |
| 14:25 | 221.5 | | | | | | |
| 14:30 | | | | | | | |
| 14:35 | 208.3 | | | | | | |
| 14:40 | | | | | | | |
| 14:45 | 221.9 | | | | | | |
| 14:50 | 218.9 | | | | | | |
| 14:55 | | | | | | | |
| 15:00 | | | | | | | |
| 15:05 | 247.5 | | | 1.5 | 256.6 | | |
| 15:10 | 242.6 | | | | | | |
| 15:15 | 237.6 | | | | | | |
| 15:20 | 245.6 | | | | | | |
| 15:25 | | | | | | | |
| 15:30 | | | | | | | |
| 15:35 | 219.1 | 2.3 | 210.2 | | | | |
| 15:40 | | | | | | | |
| 15:45 | 241.6 | | | | | | |
| 15:50 | | | | | | | |
| 15:55 | | | | | | | |
| 16:00 | | | | | | | |
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| 17:35 | | | | | | | |
| 17:40 | 257.4 | | | | | | |
| 17:45 | | | | | | | |
| 17:50 | 269.6 | | | .9 | 232.1 | | |
| 17:55 | 312.0 | | | | | | |
| 18:00 | | | | | | | |
| 18:05 | 250.9 | | | | | | |
| 18:10 | 217.7 | | | | | | |

| | 49_WD320m | 50_WS340m | 51_WD340m | 52_WS360m | 53_WD360m | 54_WS380m | 55_WD380m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 18:15 | | 4.7 | 234.3 | | | | |
| 18:20 | 232.6 | | | | | | |
| 18:25 | | | | | | | |
| 18:30 | 218.3 | | | | | | |
| 18:35 | 223.9 | 5.2 | 221.1 | | | | |
| 18:40 | 229.5 | 5.1 | 219.3 | | | | |
| 18:45 | 236.2 | | | | | | |
| 18:50 | 214.7 | 5.1 | 229.1 | | | | |
| 18:55 | 241.2 | | | | | | |
| 19:00 | 247.3 | | | | | | |
| 19:05 | | | | | | | |
| 19:10 | | | | | | | |
| 19:15 | 241.3 | | | | | | |
| 19:20 | | 6.2 | 222.3 | | | | |
| 19:25 | 224.8 | | | | | | |
| 19:30 | 233.2 | | | | | | |
| 19:35 | | | | | | | |
| 19:40 | 208.0 | | | | | | |
| 19:45 | 225.5 | | | | | | |
| 19:50 | 233.4 | | | | | | |
| 19:55 | 221.3 | | | | | | |
| 20:00 | | | | | | | |
| 20:05 | | | | | | | |
| 20:10 | | | | | | | |
| 20:15 | | | | | | | |
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| 20:25 | | | | | | | |
| 20:30 | | | | | | | |
| 20:35 | | | | | | | |
| 20:40 | | | | | | | |
| 20:45 | 204.7 | | | | | | |
| 20:50 | | | | | | | |
| 20:55 | | | | | | | |
| 21:00 | 211.8 | | | | | | |
| 21:05 | 216.5 | | | | | | |
| 21:10 | | | | | | | |
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| 21:55 | | | | | | | |
| 22:00 | 224.7 | | | | | | |
| 22:05 | | | | | | | |
| 22:10 | | | | | | | |
| 22:15 | | | | | | | |
| 22:20 | 223.0 | | | | | | |
| 22:25 | 229.1 | | | | | | |
| 22:30 | | 5.9 | 215.9 | | | | |
| 22:35 | 224.3 | | | | | | |
| 22:40 | | | | | | | |
| 22:45 | 230.9 | | | | | | |
| 22:50 | 240.7 | | | | | | |

| | 49_WD320m | 50_WS340m | 51_WD340m | 52_WS360m | 53_WD360m | 54_WS380m | 55_WD380m |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 22:55 | 233.3 | | | | | | |
| 23:00 | 238.2 | | | | | | |
| 23:05 | 243.3 | 4.6 | 236.3 | | | | |
| 23:10 | 253.3 | | | | | | |
| 23:15 | 251.7 | | | | | | |
| 23:20 | 255.4 | 3.5 | 252.8 | | | | |
| 23:25 | 246.6 | 4.7 | 254.6 | 4.8 | 261.8 | | |
| 23:30 | 260.9 | 4.2 | 265.3 | | | | |
| 23:35 | 264.9 | 3.5 | 265.8 | | | | |
| 23:40 | 258.4 | | | | | | |
| 23:45 | 255.6 | 4.0 | 260.6 | | | | |
| 23:50 | 257.6 | 3.5 | 261.9 | 3.7 | 264.3 | | |
| 23:55 | 261.0 | 3.6 | 262.4 | 3.5 | 263.0 | | |
| Average | 241.2 | 3.3 | 245.6 | 3.0 | 249.2 | | |
| Max | 330.3 | 11.9 | 327.8 | 11.9 | 330.3 | | |
| Max Hour | 09:50 | 03:15 | 06:30 | 03:20 | 11:55 | | |
| Min | 82.4 | .6 | 94.3 | .6 | 57.3 | | |
| Count | 161 | 121 | 121 | 101 | 101 | 0 | 0 |
| Total | | | | | | | |