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*From the office of Miles F. Schumacher*

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March 3, 2021

Ms. Patricia Van Gerpen, Executive Director  
South Dakota Public Utilities Commission  
Capital Building, 1<sup>st</sup> Floor  
500 East Capital Avenue  
Pierre, SD 57501-5070

Re: Docket #EL19-003; Application to the SD PUC for a Facility Permit to Construct  
A 300 megawatt Wind Facility

Dear Ms. Van Gerpen:

Crowned Ridge Wind, LLC ("Crowned Ridge") submits this letter in response to the Staff's February 16, 2021 Letter and David Hessler's Sound Study Report ("Report"). Mr. Hessler's Report concludes that the Crowned Ridge "project has been appropriately designed and is meeting, in good faith, the intent of the permit noise limits." Hessler Report at 3. The Report also indicates that:

. . . . the wind gradient and general atmospheric conditions appear to have been highly conducive to the propagation of project sound during the 17 hour period from about 1 p.m. on 10/22/20 until about 6 a.m. on 10/23/20 and it can be concluded with considerable certainty from the behavior of the measured sound levels through the shutdowns that occurred during this period, and from a review of audio files before, during and after these shutdowns, that the Leq(10 min) sound levels measured 1 to 5 dBA above the permitted limits where driven by the project rather than background sound. . . During the remainder of the survey at those test locations and throughout the entire survey at Positions 4 through 6 there is no evidence of non-compliance and, in fact, every reason to believe the project's sound emissions are below the applicable maxima. Because the overages occurred only once at only three of the six test positions during this unusually long three week survey period and because wind turbine noise is unavoidably variable with changing atmospheric conditions, we would conclude that the project has been appropriately designed and is meeting, in good faith, the intent of the permit noise limits. In essence, our analysis indicates that the project sound level was compliant with the stipulated noise limits at Positions 1-3 for 96% of survey period and for 100% at the remaining positions.

### Sound Report at 33.

In order to place the 17-hour period mentioned in Hessler's Report into additional context, attached are three graphs produced by Epsilon Associates, Inc. ("Epsilon"). Epsilon's graphs are similar to three of the figures included in Mr. Hessler's Report: Figure 2.1.3 (Position 1) (Attachment 1); Figure 2.2.2 (Position 2) (Attachment 2); and Figure 2.3.2 (Position 3) (Attachment 3). Epsilon's Attachments include the following information: (1) sound level metrics and hub height wind speed; (2) ground level meteorological data including wind speeds (average and gust) and temperature; (3) electrical output; and (4) precipitation observations in gray and peach shading, which were obtained from the National Weather Service ("NWS") station in Watertown, South Dakota. Attachment 4 includes a spreadsheet of the NWS data used in the graphs. In Attachments 1-3, Epsilon also highlighted the periods of precipitation. According to the applicable ANSI measurement criteria (ANSI S12.18), periods of precipitation are not to be used to determine compliance with sound thresholds, and, further Condition No. 26(e)(iii) of the Facility Permit requires that sound measurement data should "[d]iscard those samples measured period with precipitation."

Based on its review, Epsilon does not view Mr. Hessler's observations as indicating a systemic issue with Crowned Ridge's compliance with the Commission's sound thresholds. As Mr. Hessler's Report found, Crowned Ridge met the sound level limits for Positions 1-3 during the remainder of the October 2020 sound compliance measurement program. This is consistent with the first sound study report submitted on May 15, 2020, which found Crowned Ridge was in compliance with the Commission's sound thresholds. Therefore, taking together the May 2020 and recent sound study reports of Epsilon and Mr. Hessler, the Crowned Ridge wind facility is appropriately designed, and there are no systemic issues associated with compliance of the Commission-approved sound thresholds.

Notwithstanding that there is no information or data to indicate a systemic issue with compliance with the Commission-approved sound thresholds, if the Commission so desires, Crowned Ridge can have Epsilon conduct a follow-up sound study designed to focus on Positions 1-3 to confirm compliance. Crowned Ridge proposes that any study use the same sound study protocols approved by the Commission on October 2, 2020, with the following changes: (1) require that an acoustical consultant from Epsilon remain in Watertown, South Dakota for the duration of the sound level measurement to allow for frequent personal observations during the performance of the sound study; (2) perform the study only for Positions 1-3; (3) require that the study and report focus on time periods adjacent to turbine shutdowns; (4) modify the wind turbine shutdown procedure to perform four shutdowns daily at 1:00 a.m., 7:00 a.m., 1:00 p.m., and 7:00 p.m. for wind turbines within 1.75 miles of a measurement location shutdown, which is sufficient to conduct sound measurements at Positions 1-3, and, which, also, can be modified, as requested, by the Epsilon acoustical consultant; and (5) perform the study in March or April of 2021, so it can be conducted during similar weather patterns and wind turbine output ranges that were present in October of 2020.

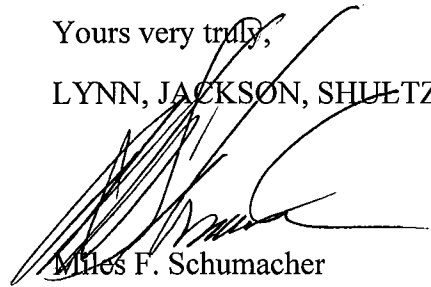
To assist the Commission's understanding of the Attachments and consideration of possible next steps, Crowned Ridge, including, Richard Lampeter of Epsilon, will make themselves available at the upcoming Commission March 5, 2021 meeting.

Ms. Patricia Van Gerpen, Executive Director  
March 3, 2021  
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If there are any questions, please contact me.

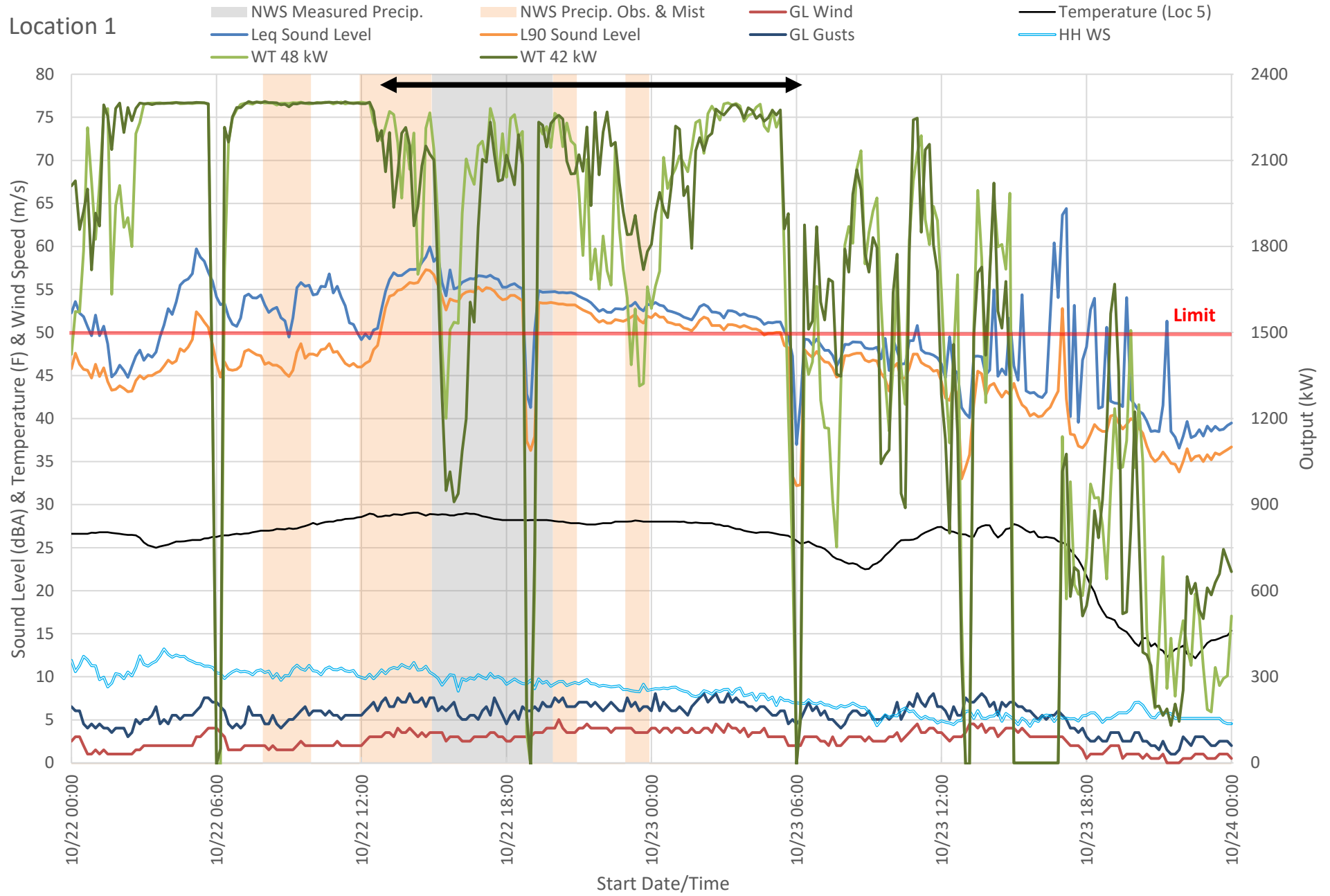
Yours very truly,

LYNN, JACKSON, SHULTZ & LEBRUN, P.C.

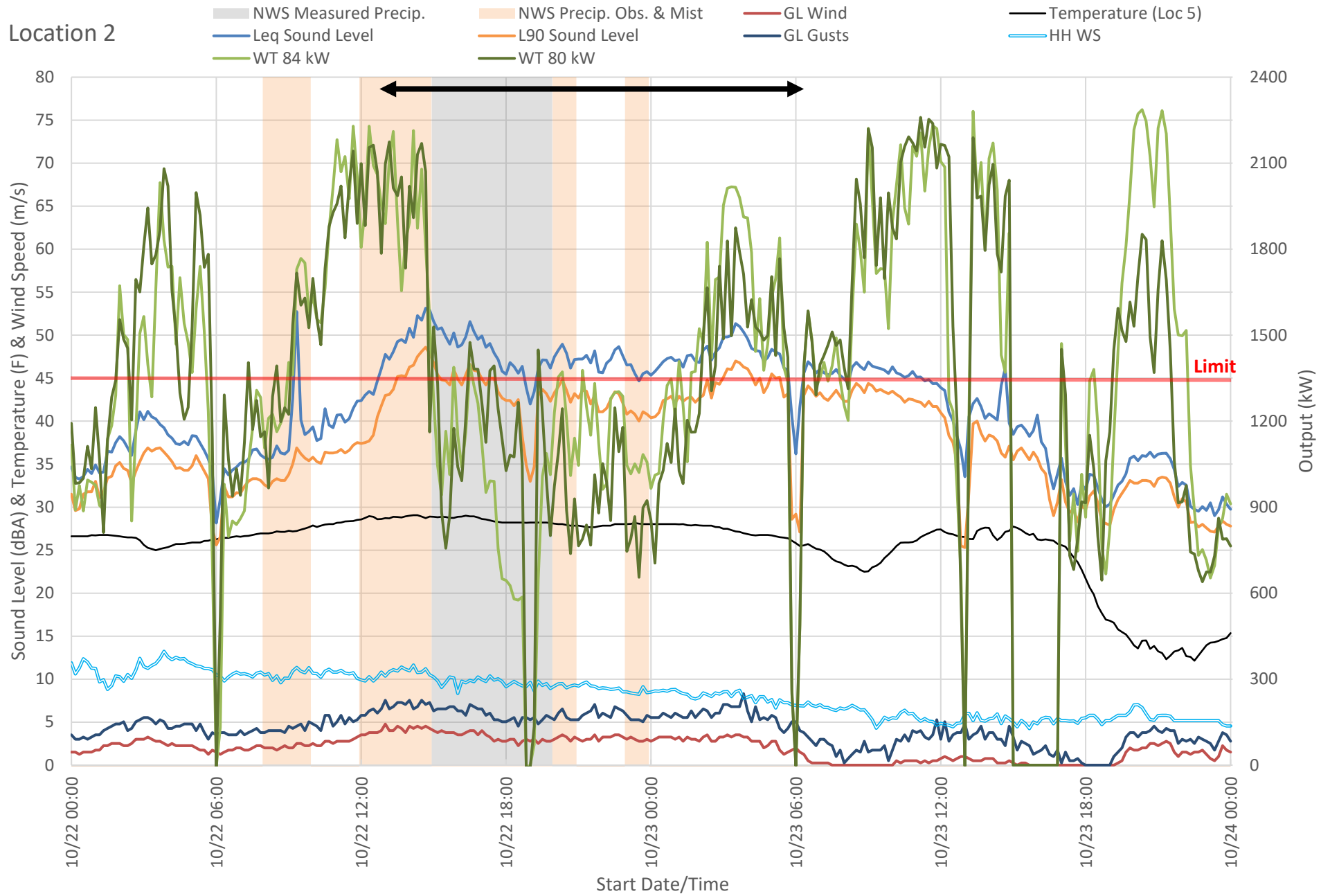
A handwritten signature in black ink, appearing to read 'Miles F. Schumacher', is written over the printed name. The signature is stylized with a large, sweeping initial 'M' and a long, horizontal flourish extending to the right.

Miles F. Schumacher

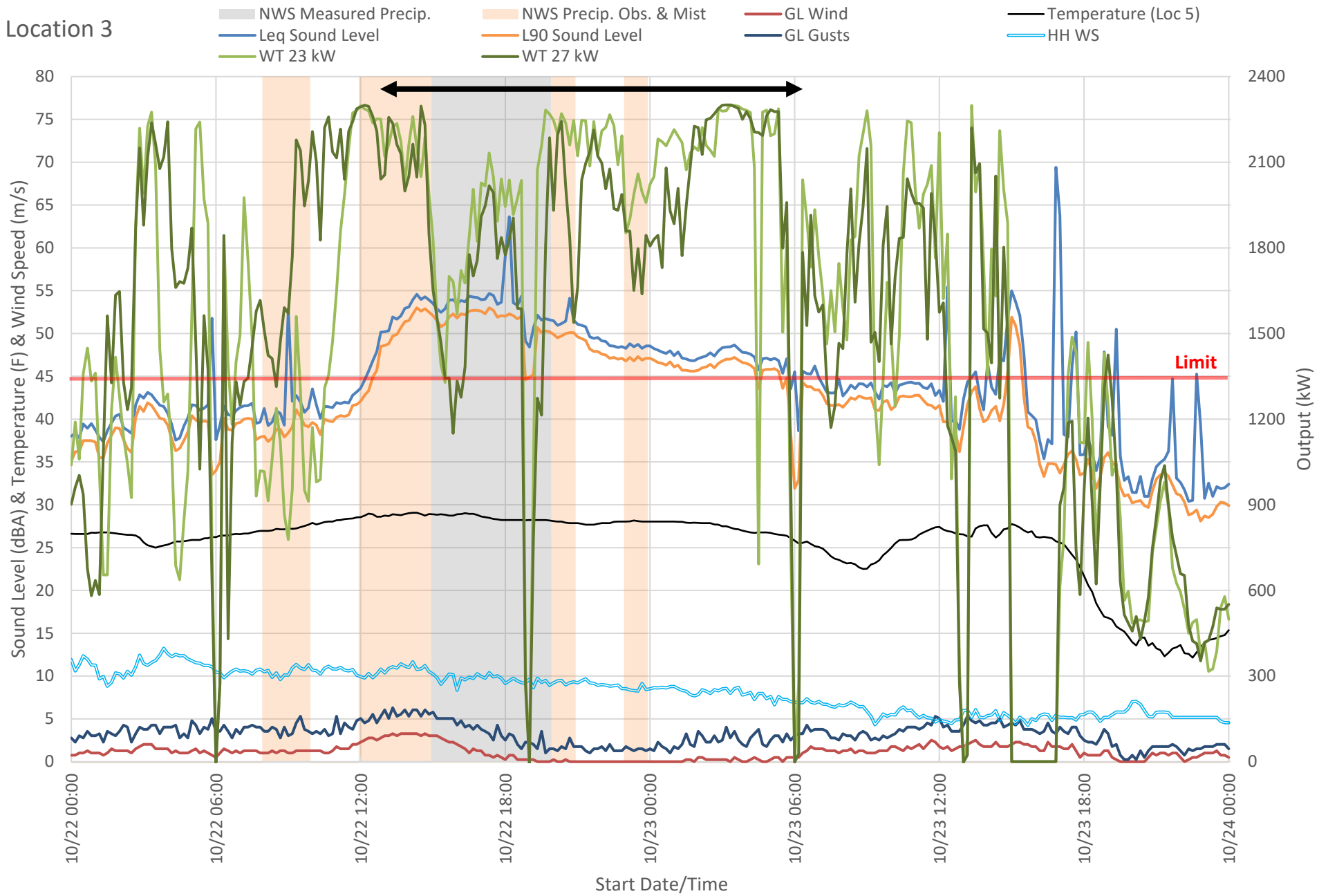
## Location 1



## Location 2



## Location 3



U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

# Local Climatological Data Hourly Observations October 2020

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Current Location: Elev: 1748 ft. Lat: 44.9047° N Lon: -97.1494° W

Generated on 11/20/2020

Station: **WATERTOWN REGIONAL AIRPORT, SD US WBAN: 72654614946 (KATY)**

| Date | Time (LST) | Station Type | Sky Conditions        | Visi-<br>bility | Weather Type (see documentation) | Dry Bulb Temp |     | Wet Bulb Temp |      | Dew Point Temp |      | Rel Hum % | Wind Speed (MPH) | Wind Dir (Deg) | Wind Gusts (MPH) | Station Press (inHg) | Press. Tend | Net 3-Hr Change (inHg) | Sea Level Press. (inHg) | Report Type | Precip Total (in) | Alti-meter Setting (inHg) |
|------|------------|--------------|-----------------------|-----------------|----------------------------------|---------------|-----|---------------|------|----------------|------|-----------|------------------|----------------|------------------|----------------------|-------------|------------------------|-------------------------|-------------|-------------------|---------------------------|
|      |            |              |                       |                 | AU   AW   MW                     | (F)           | (C) | (F)           | (C)  | (F)            | (C)  |           |                  |                |                  |                      |             |                        |                         |             |                   |                           |
| 1    | 2          | 3            | 4                     | 5               | 6                                | 7             | 8   | 9             | 10   | 11             | 12   | 13        | 14               | 15             | 16               | 17                   | 18          | 19                     | 20                      | 21          | 22                | 23                        |
| 20   | 0026       | 7            | BKN:07 6<br>OVC:08 13 | 6.00            | BR:1                             | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 8                | 150            |                  | 28.29                |             |                        |                         | FM-16       |                   | 30.13                     |
| 20   | 0041       | 7            | FEW:02 8<br>OVC:08 13 | 10.00           |                                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 8                | 150            |                  | 28.30                |             |                        |                         | FM-16       |                   | 30.14                     |
| 20   | 0053       | 7            | FEW:02 7<br>OVC:08 13 | 10.00           |                                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 11               | 150            |                  | 28.29                |             |                        | 30.19                   | FM-15       | 0.00              | 30.13                     |
| 20   | 0121       | 7            | OVC:08 8              | 10.00           |                                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 10               | 150            |                  | 28.27                |             |                        |                         | FM-16       |                   | 30.11                     |
| 20   | 0153       | 7            | OVC:08 8              | 10.00           |                                  | 32            | 0.0 | 31            | -0.6 | 30             | -1.1 | 92        | 11               | 140            | 18               | 28.26                |             |                        | 30.16                   | FM-15       | 0.00              | 30.10                     |
| 20   | 0253       | 7            | OVC:08 6              | 8.00            |                                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 9                | 130            |                  | 28.25                | 8           | +0.04                  | 30.15                   | FM-15       | 0.00              | 30.09                     |
| 20   | 0340       | 7            | OVC:08 6              | 2.00            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 13               | 140            | 18               | 28.24                |             |                        |                         | FM-16       | T                 | 30.08                     |
| 20   | 0351       | 6            | OVC:08 6              | 1.50            | -SN:03 BR:1  SN                  | 32            | 0.0 | 31            | -0.6 | 30             | -1.1 | 93        | 13               | 140            | 21               | 28.23                |             |                        |                         | FM-16       |                   | 30.07                     |
| 20   | 0353       | 7            | OVC:08 6              | 1.50            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 10               | 140            | 21               | 28.23                |             |                        | 30.13                   | FM-15       | T                 | 30.07                     |
| 20   | 0403       | 7            | OVC:08 6              | 1.25            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 10               | 130            |                  | 28.23                |             |                        |                         | FM-16       | T                 | 30.07                     |
| 20   | 0411       | 7            | OVC:08 6              | 1.75            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 7                | 130            | 18               | 28.23                |             |                        |                         | FM-16       | T                 | 30.07                     |
| 20   | 0423       | 7            | OVC:08 5              | 2.00            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 10               | 130            |                  | 28.23                |             |                        |                         | FM-16       | T                 | 30.07                     |
| 20   | 0439       | 7            | OVC:08 5              | 1.50            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 7                | 130            |                  | 28.23                |             |                        |                         | FM-16       | T                 | 30.07                     |
| 20   | 0453       | 7            | OVC:08 5              | 1.50            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 10               | 130            |                  | 28.23                |             |                        | 30.13                   | FM-15       | 0.01              | 30.07                     |
| 20   | 0522       | 7            | OVC:08 5              | 1.25            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 8                | 130            |                  | 28.22                |             |                        |                         | FM-16       | T                 | 30.06                     |
| 20   | 0536       | 7            | OVC:08 5              | 0.75            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 9                | 120            |                  | 28.21                |             |                        |                         | FM-16       | 0.01              | 30.05                     |
| 20   | 0551       | 6            | OVC:08 5              | 1.00            | -SN:03 BR:1  SN                  | 32            | 0.0 | 31            | -0.6 | 30             | -1.1 | 93        | 10               | 140            |                  | 28.21                |             |                        |                         | FM-16       |                   | 30.05                     |
| 20   | 0553       | 7            | OVC:08 5              | 1.00            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 11               | 130            |                  | 28.20                | 8           | +0.03                  | 30.10                   | FM-15       | 0.02              | 30.04                     |
| 20   | 0627       | 7            | OVC:08 4              | 1.00            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 14               | 140            | 23               | 28.18                |             |                        |                         | FM-16       | T                 | 30.02                     |
| 20   | 0638       | 7            | OVC:08 5              | 1.25            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 11               | 130            | 24               | 28.17                |             |                        |                         | FM-16       | T                 | 30.01                     |
| 20   | 0653       | 7            | BKN:07 5<br>OVC:08 19 | 1.00            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 13               | 130            |                  | 28.17                |             |                        | 30.06                   | FM-15       | 0.01              | 30.01                     |
| 20   | 0726       | 7            | BKN:07 7<br>OVC:08 18 | 0.50            | SN:03 FG:2  FG SN                | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 14               | 130            | 23               | 28.18                |             |                        |                         | FM-16       | 0.01              | 30.02                     |
| 20   | 0753       | 7            | BKN:07 5<br>OVC:08 11 | 0.50            | SN:03 FG:2  FG SN                | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 7                | 120            |                  | 28.19                |             |                        | 30.09                   | FM-15       | 0.03              | 30.03                     |
| 20   | 0810       | 7            | BKN:07 6<br>OVC:08 10 | 0.25            | SN:03 FG:2  FG SN                | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 9                | 140            |                  | 28.20                |             |                        |                         | FM-16       | 0.02              | 30.04                     |
| 20   | 0836       | 7            | VV:09 4               | 0.25            | +SN:03 FG:2  FG SN               | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 13               | 130            |                  | 28.17                |             |                        |                         | FM-16       | 0.06              | 30.01                     |
| 20   | 0853       | 7            | OVC:08 4              | 0.25            | +SN:03 FG:2  FG SN               | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 10               | 130            | 21               | 28.17                | 6           | +0.03                  | 30.07                   | FM-15       | 0.10              | 30.01                     |
| 20   | 0953       | 7            | BKN:07 4<br>OVC:08 8  | 0.25            | VCTS:7 SN:03 FG:2  FG SN         | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 13               | 130            |                  | 28.17                |             |                        | 30.06                   | FM-15       | 0.06              | 30.01                     |
| 20   | 1034       | 7            | BKN:07 5<br>OVC:08 9  | 0.25            | VCTS:7 SN:03 FG:2  FG SN         | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 14               | 130            | 23               | 28.15                |             |                        |                         | FM-16       | 0.05              | 29.99                     |
| 20   | 1049       | 7            | BKN:07 5<br>OVC:08 9  | 0.25            | +SN:03 FG:2  FG SN               | 32            | 0.0 | 31            | -0.6 | 30             | -1.1 | 93        | 11               | 130            |                  | 28.14                |             |                        |                         | FM-16       | 0.06              | 29.98                     |
| 20   | 1053       | 7            | BKN:07 5<br>OVC:08 9  | 0.25            | +SN:03 FG:2  FG SN               | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 11               | 130            |                  | 28.13                |             |                        | 30.03                   | FM-15       | 0.06              | 29.97                     |
| 20   | 1104       | 7            | OVC:08 4              | 0.25            | +SN:03 FG:2  FG SN               | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 15               | 130            | 22               | 28.12                |             |                        |                         | FM-16       | 0.01              | 29.96                     |
| 20   | 1116       | 7            | BKN:07 5<br>OVC:08 10 | 0.50            | -SN:03 FG:2  FG SN               | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 13               | 120            | 23               | 28.12                |             |                        |                         | FM-16       | 0.01              | 29.95                     |
| 20   | 1123       | 7            | BKN:07 4<br>OVC:08 12 | 1.00            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 11               | 130            | 20               | 28.12                |             |                        |                         | FM-16       | 0.01              | 29.95                     |
| 20   | 1134       | 7            | BKN:07 6<br>OVC:08 20 | 1.50            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 13               | 130            | 24               | 28.10                |             |                        |                         | FM-16       | 0.02              | 29.94                     |
| 20   | 1153       | 7            | OVC:08 6              | 1.25            | -SN:03 BR:1  SN                  | 32            | 0.0 | 32            | 0.0  | 31             | -0.6 | 96        | 13               | 120            | 25               | 28.09                | 8           | +0.08                  | 29.98                   | FM-15       | 0.02              | 29.92                     |

## Attachment 1

|    |      |   |                                    |       |            |    |      |    |      |    |      |     |    |     |    |       |   |       |       |       |      |       |
|----|------|---|------------------------------------|-------|------------|----|------|----|------|----|------|-----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 20 | 1202 | 7 | BKN:07 6<br>OVC:08 38              | 1.75  | UP:09 BR:1 | 32 | 0.0  | 32 | 0.0  | 31 | -0.6 | 96  | 13 | 120 | 26 | 28.09 |   |       |       | FM-16 | T    | 29.92 |
| 20 | 1209 | 7 | BKN:07 6<br>BKN:07 12<br>OVC:08 36 | 3.00  | UP:09 BR:1 | 32 | 0.0  | 32 | 0.0  | 31 | -0.6 | 96  | 11 | 120 | 21 | 28.10 |   |       |       | FM-16 | T    | 29.94 |
| 20 | 1253 | 7 | BKN:07 8<br>OVC:08 11              | 5.00  | BR:1       | 32 | 0.0  | 32 | 0.0  | 31 | -0.6 | 96  | 15 | 140 |    | 28.09 |   |       | 29.99 | FM-15 | T    | 29.93 |
| 20 | 1305 | 7 | BKN:07 8<br>OVC:08 12              | 2.50  | BR:1       | 32 | 0.0  | 32 | 0.0  | 31 | -0.6 | 96  | 14 | 140 |    | 28.09 |   |       |       | FM-16 |      | 29.93 |
| 20 | 1312 | 7 | OVC:08 8                           | 3.00  | BR:1       | 32 | 0.0  | 32 | 0.0  | 31 | -0.6 | 96  | 11 | 140 |    | 28.09 |   |       |       | FM-16 |      | 29.93 |
| 20 | 1320 | 7 | OVC:08 8                           | 2.00  | BR:1       | 32 | 0.0  | 32 | 0.0  | 31 | -0.6 | 96  | 10 | 140 |    | 28.09 |   |       |       | FM-16 |      | 29.92 |
| 20 | 1348 | 7 | OVC:08 7                           | 1.50  | BR:1       | 32 | 0.0  | 32 | 0.0  | 32 | 0.0  | 100 | 10 | 150 |    | 28.08 |   |       |       | FM-16 |      | 29.91 |
| 20 | 1353 | 7 | OVC:08 7                           | 1.75  | BR:1       | 32 | 0.0  | 32 | 0.0  | 32 | 0.0  | 100 | 13 | 150 |    | 28.08 |   |       | 29.96 | FM-15 | 0.00 | 29.91 |
| 20 | 1408 | 7 | OVC:08 6                           | 2.00  | BR:1       | 32 | 0.0  | 32 | 0.0  | 32 | 0.0  | 100 | 11 | 150 |    | 28.08 |   |       |       | FM-16 |      | 29.91 |
| 20 | 1433 | 7 | OVC:08 5                           | 1.50  | BR:1       | 33 | 0.6  | 33 | 0.6  | 32 | 0.0  | 96  | 11 | 150 |    | 28.08 |   |       |       | FM-16 |      | 29.91 |
| 20 | 1444 | 7 | OVC:08 5                           | 1.25  | BR:1       | 33 | 0.6  | 33 | 0.6  | 32 | 0.0  | 96  | 13 | 160 |    | 28.08 |   |       |       | FM-16 |      | 29.91 |
| 20 | 1451 | 6 | OVC:08 5                           | 1.50  | BR:1       | 34 | 1.1  | 33 | 0.6  | 32 | 0.0  | 93  | 11 | 160 |    | 28.08 |   |       |       | FM-16 |      | 29.91 |
| 20 | 1453 | 7 | OVC:08 5                           | 1.50  | BR:1       | 33 | 0.6  | 33 | 0.6  | 32 | 0.0  | 96  | 11 | 150 |    | 28.08 | 5 | +0.01 | 29.97 | FM-15 | 0.00 | 29.91 |
| 20 | 1500 | 7 | OVC:08 4                           | 2.00  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 10 | 170 |    | 28.09 |   |       |       | FM-16 |      | 29.92 |
| 20 | 1516 | 7 | OVC:08 4                           | 3.00  | BR:1       | 33 | 0.6  | 33 | 0.6  | 32 | 0.0  | 96  | 9  | 160 |    | 28.08 |   |       |       | FM-16 |      | 29.91 |
| 20 | 1535 | 7 | OVC:08 4                           | 2.50  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 9  | 150 |    | 28.07 |   |       |       | FM-16 |      | 29.90 |
| 20 | 1546 | 7 | OVC:08 4                           | 4.00  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 9  | 150 |    | 28.07 |   |       |       | FM-16 |      | 29.90 |
| 20 | 1553 | 7 | OVC:08 4                           | 4.00  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 9  | 170 |    | 28.08 |   |       | 29.96 | FM-15 | 0.00 | 29.91 |
| 20 | 1653 | 7 | OVC:08 3                           | 3.00  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 8  | 190 |    | 28.09 |   |       | 29.97 | FM-15 | 0.00 | 29.92 |
| 20 | 1701 | 7 | OVC:08 3                           | 2.00  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 10 | 200 |    | 28.09 |   |       |       | FM-16 |      | 29.92 |
| 20 | 1708 | 7 | OVC:08 3                           | 1.25  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 9  | 200 |    | 28.09 |   |       |       | FM-16 |      | 29.92 |
| 20 | 1724 | 7 | OVC:08 2                           | 0.50  | FG:2  FG   | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 10 | 210 |    | 28.09 |   |       |       | FM-16 |      | 29.92 |
| 20 | 1753 | 7 | OVC:08 2                           | 0.75  | BR:1       | 33 | 0.6  | 33 | 0.6  | 33 | 0.6  | 100 | 9  | 210 |    | 28.09 | 3 | -0.01 | 29.98 | FM-15 | 0.00 | 29.93 |
| 20 | 1803 | 7 | OVC:08 2                           | 1.25  | BR:1       | 34 | 1.1  | 34 | 1.1  | 34 | 1.1  | 100 | 10 | 220 |    | 28.09 |   |       |       | FM-16 |      | 29.93 |
| 20 | 1810 | 7 | OVC:08 2                           | 1.75  | BR:1       | 34 | 1.1  | 34 | 1.1  | 34 | 1.1  | 100 | 9  | 220 |    | 28.09 |   |       |       | FM-16 |      | 29.93 |
| 20 | 1822 | 7 | OVC:08 3                           | 2.00  | BR:1       | 34 | 1.1  | 34 | 1.1  | 34 | 1.1  | 100 | 8  | 210 |    | 28.09 |   |       |       | FM-16 |      | 29.93 |
| 20 | 1850 | 7 | OVC:08 3                           | 4.00  | BR:1       | 36 | 2.2  | 36 | 2.2  | 36 | 2.2  | 100 | 13 | 250 |    | 28.10 |   |       |       | FM-16 |      | 29.94 |
| 20 | 1853 | 7 | OVC:08 3                           | 4.00  | BR:1       | 35 | 1.7  | 35 | 1.7  | 35 | 1.7  | 100 | 13 | 250 |    | 28.10 |   |       | 29.99 | FM-15 | 0.00 | 29.94 |
| 20 | 1925 | 7 | OVC:08 6                           | 7.00  |            | 36 | 2.2  | 36 | 2.2  | 35 | 1.7  | 97  | 14 | 280 | 23 | 28.12 |   |       |       | FM-16 |      | 29.96 |
| 20 | 1953 | 7 | OVC:08 7                           | 10.00 |            | 36 | 2.2  | 36 | 2.2  | 35 | 1.7  | 97  | 16 | 290 | 25 | 28.12 |   |       | 30.01 | FM-15 | 0.00 | 29.96 |
| 20 | 2016 | 7 | OVC:08 10                          | 10.00 |            | 36 | 2.2  | 35 | 1.7  | 34 | 1.1  | 93  | 21 | 300 | 29 | 28.12 |   |       |       | FM-16 |      | 29.96 |
| 20 | 2053 | 7 | OVC:08 10                          | 10.00 |            | 35 | 1.7  | 34 | 1.1  | 33 | 0.6  | 93  | 15 | 310 | 24 | 28.14 | 3 | -0.03 | 30.03 | FM-15 | 0.00 | 29.98 |
| 20 | 2143 | 7 | OVC:08 15                          | 10.00 |            | 35 | 1.7  | 33 | 0.6  | 31 | -0.6 | 85  | 17 | 320 | 29 | 28.15 |   |       |       | FM-16 |      | 29.99 |
| 20 | 2153 | 7 | OVC:08 15                          | 10.00 |            | 35 | 1.7  | 33 | 0.6  | 31 | -0.6 | 85  | 20 | 310 |    | 28.15 |   |       | 30.04 | FM-15 | 0.00 | 29.99 |
| 20 | 2253 | 7 | OVC:08 14                          | 10.00 |            | 34 | 1.1  | 32 | 0.0  | 30 | -1.1 | 85  | 21 | 310 | 30 | 28.18 |   |       | 30.07 | FM-15 | 0.00 | 30.02 |
| 20 | 2319 | 7 | OVC:08 15                          | 10.00 |            | 34 | 1.1  | 32 | 0.0  | 30 | -1.1 | 85  | 15 | 320 | 24 | 28.18 |   |       |       | FM-16 |      | 30.02 |
| 20 | 2353 | 7 | OVC:08 16                          | 10.00 |            | 34 | 1.1  | 32 | 0.0  | 30 | -1.1 | 85  | 13 | 310 | 25 | 28.19 | 1 | -0.05 | 30.08 | FM-15 | 0.00 | 30.03 |
| 21 | 0053 | 7 | OVC:08 17                          | 10.00 |            | 34 | 1.1  | 32 | 0.0  | 29 | -1.7 | 82  | 15 | 300 | 24 | 28.21 |   |       | 30.10 | FM-15 | 0.00 | 30.05 |
| 21 | 0151 | 6 | SCT:04 23                          | 10.00 |            | 34 | 1.1  | 31 | -0.6 | 27 | -2.8 | 75  | 11 | 280 |    | 28.23 |   |       |       | FM-16 |      | 30.07 |
| 21 | 0153 | 7 | SCT:04 23                          | 10.00 |            | 33 | 0.6  | 31 | -0.6 | 27 | -2.8 | 78  | 13 | 280 |    | 28.23 |   |       | 30.13 | FM-15 | 0.00 | 30.07 |
| 21 | 0204 | 7 | BKN:07 25                          | 10.00 |            | 33 | 0.6  | 31 | -0.6 | 28 | -2.2 | 82  | 9  | 270 |    | 28.24 |   |       |       | FM-16 |      | 30.08 |
| 21 | 0239 | 7 | SCT:04 26                          | 10.00 |            | 32 | 0.0  | 30 | -1.1 | 27 | -2.8 | 82  | 10 | 290 |    | 28.24 |   |       |       | FM-16 |      | 30.08 |
| 21 | 0251 | 6 | BKN:07 24                          | 10.00 |            | 32 | 0.0  | 30 | -1.1 | 27 | -2.8 | 80  | 11 | 290 |    | 28.24 |   |       |       | FM-16 |      | 30.08 |
| 21 | 0253 | 7 | BKN:07 24                          | 10.00 |            | 32 | 0.0  | 30 | -1.1 | 27 | -2.8 | 82  | 9  | 290 |    | 28.24 | 1 | -0.05 | 30.13 | FM-15 | 0.00 | 30.08 |
| 21 | 0351 | 6 | FEW:02 14<br>SCT:04 22             | 10.00 |            | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 86  | 10 | 270 |    | 28.26 |   |       |       | FM-16 |      | 30.10 |
| 21 | 0353 | 7 | FEW:02 14<br>SCT:04 22             | 10.00 |            | 31 | -0.6 | 29 | -1.7 | 27 | -2.8 | 85  | 11 | 280 |    | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.11 |
| 21 | 0453 | 7 | CLR:00                             | 10.00 |            | 29 | -1.7 | 28 | -2.2 | 25 | -3.9 | 85  | 9  | 270 |    | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.11 |
| 21 | 0553 | 7 | CLR:00                             | 10.00 |            | 29 | -1.7 | 28 | -2.2 | 25 | -3.9 | 85  | 7  | 290 |    | 28.27 | 0 | -0.03 | 30.16 | FM-15 | 0.00 | 30.11 |
| 21 | 0653 | 7 | CLR:00                             | 10.00 |            | 29 | -1.7 | 27 | -2.8 | 24 | -4.4 | 82  | 8  | 270 |    | 28.27 |   |       | 30.18 | FM-15 | 0.00 | 30.12 |
| 21 | 0753 | 7 | OVC:08 100                         | 10.00 |            | 29 | -1.7 | 28 | -2.2 | 25 | -3.9 | 85  | 5  | 250 |    | 28.27 |   |       | 30.18 | FM-15 | 0.00 | 30.12 |



## Attachment 1

|    |      |   |                                     |       |                 |    |      |    |      |    |      |    |    |     |  |       |   |       |       |       |      |       |
|----|------|---|-------------------------------------|-------|-----------------|----|------|----|------|----|------|----|----|-----|--|-------|---|-------|-------|-------|------|-------|
| 21 | 0853 | 7 | BKN:07 95<br>OVC:08 110             | 10.00 |                 | 31 | -0.6 | 28 | -2.2 | 24 | -4.4 | 76 | 5  | 300 |  | 28.29 | 1 | -0.02 | 30.18 | FM-15 | 0.00 | 30.13 |
| 21 | 0953 | 7 | OVC:08 80                           | 10.00 |                 | 32 | 0.0  | 29 | -1.7 | 23 | -5.0 | 69 | 6  | 340 |  | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.11 |
| 21 | 1053 | 7 | OVC:08 60                           | 10.00 |                 | 31 | -0.6 | 28 | -2.2 | 23 | -5.0 | 72 | 0  | 000 |  | 28.29 |   |       | 30.19 | FM-15 | 0.00 | 30.13 |
| 21 | 1153 | 7 | OVC:08 55                           | 10.00 |                 | 31 | -0.6 | 29 | -1.7 | 25 | -3.9 | 79 | 8  | 230 |  | 28.31 | 3 | -0.03 | 30.22 | FM-15 | 0.00 | 30.16 |
| 21 | 1253 | 7 | SCT:04 36<br>BKN:07 43<br>OVC:08 50 | 4.00  | -SN:03  SN      | 31 | -0.6 | 29 | -1.7 | 26 | -3.3 | 82 | 9  | 220 |  | 28.31 |   |       | 30.21 | FM-15 | T    | 30.16 |
| 21 | 1301 | 7 | OVC:08 36                           | 1.75  | -SN:03 BR:1  SN | 31 | -0.6 | 29 | -1.7 | 27 | -2.8 | 85 | 6  | 220 |  | 28.30 |   |       |       | FM-16 | T    | 30.15 |
| 21 | 1319 | 7 | BKN:07 29<br>OVC:08 36              | 1.25  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 6  | 210 |  | 28.30 |   |       |       | FM-16 | T    | 30.14 |
| 21 | 1330 | 7 | BKN:07 31<br>BKN:07 39<br>OVC:08 50 | 0.75  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 5  | 230 |  | 28.29 |   |       |       | FM-16 | T    | 30.13 |
| 21 | 1336 | 7 | FEW:02 28<br>BKN:07 33<br>OVC:08 47 | 1.50  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 3  | 220 |  | 28.29 |   |       |       | FM-16 | T    | 30.13 |
| 21 | 1348 | 7 | BKN:07 33<br>BKN:07 40<br>OVC:08 50 | 1.00  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 93 | 0  | 000 |  | 28.29 |   |       |       | FM-16 | T    | 30.13 |
| 21 | 1353 | 7 | BKN:07 37<br>OVC:08 50              | 1.00  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 0  | 000 |  | 28.27 |   |       | 30.19 | FM-15 | T    | 30.12 |
| 21 | 1403 | 7 | BKN:07 41<br>OVC:08 55              | 1.50  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 0  | 000 |  | 28.27 |   |       |       | FM-16 | 0.01 | 30.12 |
| 21 | 1413 | 7 | BKN:07 41<br>OVC:08 55              | 2.50  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 0  | 000 |  | 28.27 |   |       |       | FM-16 | 0.01 | 30.12 |
| 21 | 1424 | 7 | BKN:07 48<br>OVC:08 60              | 1.50  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88 | 7  | 010 |  | 28.27 |   |       |       | FM-16 | 0.01 | 30.11 |
| 21 | 1451 | 6 | BKN:07 36<br>BKN:07 44<br>OVC:08 65 | 2.50  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 93 | 3  | 070 |  | 28.26 |   |       |       | FM-16 |      | 30.10 |
| 21 | 1453 | 7 | BKN:07 39<br>OVC:08 65              | 3.00  | -SN:03 BR:1  SN | 31 | -0.6 | 30 | -1.1 | 28 | -2.2 | 89 | 0  | 000 |  | 28.26 | 6 | +0.05 | 30.16 | FM-15 | 0.01 | 30.10 |
| 21 | 1553 | 7 | OVC:08 44                           | 8.00  |                 | 31 | -0.6 | 29 | -1.7 | 27 | -2.8 | 85 | 3  | 110 |  | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.11 |
| 21 | 1610 | 7 | OVC:08 44                           | 1.75  | -SN:03 BR:1  SN | 31 | -0.6 | 29 | -1.7 | 27 | -2.8 | 85 | 5  | 130 |  | 28.27 |   |       |       | FM-16 | T    | 30.12 |
| 21 | 1620 | 7 | BKN:07 44<br>OVC:08 55              | 3.00  | -SN:03 BR:1  SN | 31 | -0.6 | 30 | -1.1 | 28 | -2.2 | 89 | 5  | 130 |  | 28.27 |   |       |       | FM-16 | T    | 30.11 |
| 21 | 1653 | 7 | OVC:08 50                           | 3.00  | -SN:03 BR:1  SN | 31 | -0.6 | 30 | -1.1 | 28 | -2.2 | 89 | 5  | 090 |  | 28.27 |   |       | 30.17 | FM-15 | T    | 30.11 |
| 21 | 1753 | 7 | BKN:07 40<br>OVC:08 50              | 8.00  |                 | 31 | -0.6 | 30 | -1.1 | 28 | -2.2 | 89 | 5  | 060 |  | 28.29 | 3 | -0.03 | 30.20 | FM-15 | T    | 30.13 |
| 21 | 1853 | 7 | OVC:08 55                           | 9.00  |                 | 31 | -0.6 | 29 | -1.7 | 27 | -2.8 | 85 | 9  | 060 |  | 28.27 |   |       | 30.19 | FM-15 | 0.00 | 30.12 |
| 21 | 1953 | 7 | OVC:08 55                           | 8.00  |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88 | 8  | 070 |  | 28.30 |   |       | 30.20 | FM-15 | 0.00 | 30.14 |
| 21 | 2053 | 7 | FEW:02 37<br>OVC:08 65              | 7.00  |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88 | 8  | 080 |  | 28.27 | 8 | +0.01 | 30.18 | FM-15 | 0.00 | 30.12 |
| 21 | 2151 | 6 | BKN:07 10<br>OVC:08 65              | 7.00  |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 86 | 11 | 070 |  | 28.29 |   |       |       | FM-16 |      | 30.13 |
| 21 | 2153 | 7 | BKN:07 10<br>OVC:08 65              | 7.00  |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88 | 10 | 080 |  | 28.27 |   |       | 30.19 | FM-15 | 0.00 | 30.12 |
| 21 | 2201 | 7 | BKN:07 9<br>OVC:08 65               | 7.00  |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88 | 9  | 070 |  | 28.27 |   |       |       | FM-16 |      | 30.12 |
| 21 | 2253 | 7 | OVC:08 7                            | 6.00  | BR:1            | 29 | -1.7 | 28 | -2.2 | 27 | -2.8 | 92 | 9  | 080 |  | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.11 |
| 21 | 2353 | 7 | BKN:07 8<br>BKN:07 37<br>OVC:08 70  | 7.00  |                 | 29 | -1.7 | 28 | -2.2 | 27 | -2.8 | 92 | 9  | 070 |  | 28.27 | 5 | 0.00  | 30.18 | FM-15 | 0.00 | 30.12 |
| 22 | 0049 | 7 | SCT:04 9<br>OVC:08 70               | 7.00  |                 | 28 | -2.2 | 27 | -2.8 | 25 | -3.9 | 86 | 13 | 050 |  | 28.27 |   |       |       | FM-16 |      | 30.11 |
| 22 | 0053 | 7 | FEW:02 9<br>OVC:08 70               | 6.00  | BR:1            | 28 | -2.2 | 27 | -2.8 | 25 | -3.9 | 88 | 11 | 050 |  | 28.26 |   |       | 30.16 | FM-15 | 0.00 | 30.10 |
| 22 | 0153 | 7 | FEW:02 46<br>OVC:08 70              | 9.00  |                 | 29 | -1.7 | 27 | -2.8 | 24 | -4.4 | 82 | 10 | 050 |  | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.11 |
| 22 | 0253 | 7 | FEW:02 32<br>BKN:07 50<br>OVC:08 70 | 9.00  |                 | 27 | -2.8 | 26 | -3.3 | 24 | -4.4 | 89 | 17 | 050 |  | 28.25 | 8 | +0.02 | 30.16 | FM-15 | 0.00 | 30.09 |

## Attachment 1

|    |      |   |                                    |      |                 |    |      |    |      |    |      |    |    |     |    |       |   |       |       |       |      |       |
|----|------|---|------------------------------------|------|-----------------|----|------|----|------|----|------|----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 22 | 0349 | 7 | FEW:02 9<br>OVC:08 50              | 8.00 |                 | 28 | -2.2 | 27 | -2.8 | 25 | -3.9 | 86 | 16 | 060 | 25 | 28.26 |   |       |       | FM-16 |      | 30.10 |
| 22 | 0353 | 7 | FEW:02 9<br>OVC:08 50              | 7.00 |                 | 28 | -2.2 | 27 | -2.8 | 25 | -3.9 | 88 | 15 | 060 | 25 | 28.26 |   |       | 30.16 | FM-15 | 0.00 | 30.10 |
| 22 | 0416 | 7 | BKN:07 8<br>OVC:08 50              | 7.00 |                 | 28 | -2.2 | 27 | -2.8 | 25 | -3.9 | 88 | 13 | 070 | 24 | 28.25 |   |       |       | FM-16 |      | 30.09 |
| 22 | 0453 | 7 | BKN:07 8<br>BKN:07 31<br>OVC:08 44 | 7.00 |                 | 28 | -2.2 | 27 | -2.8 | 26 | -3.3 | 92 | 8  | 090 | 21 | 28.26 |   |       | 30.16 | FM-15 | 0.00 | 30.10 |
| 22 | 0512 | 7 | SCT:04 8<br>SCT:04 45<br>OVC:08 55 | 7.00 |                 | 28 | -2.2 | 27 | -2.8 | 26 | -3.3 | 92 | 13 | 080 | 23 | 28.25 |   |       |       | FM-16 |      | 30.09 |
| 22 | 0553 | 7 | OVC:08 32                          | 7.00 |                 | 29 | -1.7 | 28 | -2.2 | 26 | -3.3 | 89 | 17 | 070 | 26 | 28.24 | 8 | +0.01 | 30.14 | FM-15 | 0.00 | 30.08 |
| 22 | 0653 | 7 | OVC:08 44                          | 8.00 |                 | 29 | -1.7 | 28 | -2.2 | 26 | -3.3 | 89 | 14 | 080 | 26 | 28.22 |   |       | 30.12 | FM-15 | 0.00 | 30.06 |
| 22 | 0725 | 7 | FEW:02 9<br>OVC:08 46              | 6.00 | BR:1            | 29 | -1.7 | 28 | -2.2 | 27 | -2.8 | 92 | 17 | 070 | 24 | 28.23 |   |       |       | FM-16 |      | 30.07 |
| 22 | 0753 | 7 | SCT:04 8<br>OVC:08 43              | 5.00 | BR:1            | 29 | -1.7 | 28 | -2.2 | 27 | -2.8 | 92 | 14 | 060 | 24 | 28.24 |   |       | 30.14 | FM-15 | 0.00 | 30.08 |
| 22 | 0757 | 7 | BKN:07 8<br>BKN:07 21<br>OVC:08 43 | 5.00 | BR:1            | 29 | -1.7 | 28 | -2.2 | 27 | -2.8 | 92 | 14 | 060 |    | 28.24 |   |       |       | FM-16 |      | 30.08 |
| 22 | 0808 | 7 | SCT:04 8<br>SCT:04 19<br>OVC:08 43 | 5.00 | BR:1            | 29 | -1.7 | 28 | -2.2 | 27 | -2.8 | 92 | 14 | 060 |    | 28.23 |   |       |       | FM-16 |      | 30.07 |
| 22 | 0851 | 7 | BKN:07 8<br>OVC:08 44              | 7.00 |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 86 | 16 | 070 | 24 | 28.24 |   |       |       | FM-16 |      | 30.08 |
| 22 | 0853 | 7 | BKN:07 8<br>OVC:08 44              | 7.00 |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88 | 18 | 060 | 24 | 28.23 | 0 | -0.01 | 30.14 | FM-15 | 0.00 | 30.07 |
| 22 | 0953 | 7 | BKN:07 9<br>OVC:08 44              | 8.00 |                 | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88 | 14 | 060 | 25 | 28.23 |   |       | 30.13 | FM-15 | 0.00 | 30.07 |
| 22 | 1053 | 7 | BKN:07 9<br>OVC:08 44              | 8.00 |                 | 31 | -0.6 | 30 | -1.1 | 28 | -2.2 | 89 | 15 | 060 | 22 | 28.25 |   |       | 30.15 | FM-15 | 0.00 | 30.09 |
| 22 | 1153 | 7 | OVC:08 8                           | 5.00 | BR:1            | 31 | -0.6 | 30 | -1.1 | 29 | -1.7 | 92 | 17 | 040 |    | 28.25 | 3 | -0.02 | 30.15 | FM-15 | 0.00 | 30.09 |
| 22 | 1216 | 7 | OVC:08 5                           | 2.50 | BR:1            | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 20 | 040 |    | 28.25 |   |       |       | FM-16 |      | 30.09 |
| 22 | 1230 | 7 | OVC:08 4                           | 3.00 | BR:1            | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 16 | 030 | 25 | 28.25 |   |       |       | FM-16 |      | 30.09 |
| 22 | 1253 | 7 | OVC:08 4                           | 4.00 | BR:1            | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 17 | 040 | 28 | 28.25 |   |       | 30.16 | FM-15 | 0.00 | 30.09 |
| 22 | 1302 | 7 | OVC:08 5                           | 4.00 | BR:1            | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 20 | 030 | 29 | 28.25 |   |       |       | FM-16 |      | 30.09 |
| 22 | 1353 | 7 | OVC:08 6                           | 6.00 | BR:1            | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 18 | 040 | 28 | 28.25 |   |       | 30.15 | FM-15 | 0.00 | 30.09 |
| 22 | 1437 | 7 | OVC:08 7                           | 1.75 | -SN:03 BR:1  SN | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 18 | 030 | 29 | 28.26 |   |       |       | FM-16 | T    | 30.10 |
| 22 | 1449 | 7 | OVC:08 6                           | 1.25 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 93 | 18 | 030 |    | 28.27 |   |       |       | FM-16 | T    | 30.11 |
| 22 | 1451 | 6 | OVC:08 6                           | 1.50 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 93 | 16 | 030 |    | 28.27 |   |       |       | FM-16 |      | 30.12 |
| 22 | 1453 | 7 | OVC:08 6                           | 1.50 | -SN:03 BR:1  SN | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 17 | 030 | 25 | 28.27 | 3 | -0.03 | 30.18 | FM-15 | T    | 30.12 |
| 22 | 1500 | 7 | OVC:08 6                           | 1.25 | -SN:03 BR:1  SN | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 16 | 030 |    | 28.27 |   |       |       | FM-16 | T    | 30.12 |
| 22 | 1529 | 7 | BKN:07 8<br>OVC:08 14              | 0.75 | -SN:03 BR:1  SN | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 17 | 020 | 26 | 28.27 |   |       |       | FM-16 | T    | 30.12 |
| 22 | 1540 | 7 | BKN:07 8<br>OVC:08 17              | 1.25 | -SN:03 BR:1  SN | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96 | 17 | 020 |    | 28.27 |   |       |       | FM-16 | T    | 30.12 |
| 22 | 1546 | 7 | FEW:02 8<br>BKN:07 11<br>OVC:08 17 | 1.50 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 16 | 020 |    | 28.29 |   |       |       | FM-16 | T    | 30.13 |
| 22 | 1551 | 6 | BKN:07 9<br>OVC:08 13              | 1.75 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 93 | 17 | 030 |    | 28.29 |   |       |       | FM-16 |      | 30.13 |
| 22 | 1553 | 7 | BKN:07 9<br>OVC:08 15              | 1.75 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 16 | 020 |    | 28.29 |   |       | 30.20 | FM-15 | T    | 30.13 |
| 22 | 1600 | 7 | BKN:07 9<br>OVC:08 15              | 2.50 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 20 | 020 |    | 28.30 |   |       |       | FM-16 | T    | 30.14 |
| 22 | 1606 | 7 | BKN:07 11<br>OVC:08 14             | 3.00 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 17 | 020 |    | 28.30 |   |       |       | FM-16 | T    | 30.14 |
| 22 | 1614 | 7 | BKN:07 11<br>OVC:08 14             | 2.50 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 18 | 020 |    | 28.29 |   |       |       | FM-16 | T    | 30.13 |
| 22 | 1626 | 7 | OVC:08 11                          | 3.00 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 20 | 020 | 28 | 28.30 |   |       |       | FM-16 | T    | 30.14 |
| 22 | 1653 | 7 | OVC:08 10                          | 3.00 | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92 | 18 | 020 |    | 28.31 |   |       | 30.23 | FM-15 | T    | 30.16 |

## Attachment 1

|    |      |   |                                     |       |                 |    |      |    |      |    |       |    |    |     |    |       |   |       |       |       |      |       |
|----|------|---|-------------------------------------|-------|-----------------|----|------|----|------|----|-------|----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 22 | 1657 | 7 | OVC:08 10                           | 1.75  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 18 | 020 |    | 28.32 |   |       |       | FM-16 | T    | 30.17 |
| 22 | 1705 | 7 | OVC:08 10                           | 0.75  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 16 | 020 |    | 28.31 |   |       |       | FM-16 | T    | 30.16 |
| 22 | 1710 | 7 | OVC:08 9                            | 1.00  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 16 | 020 |    | 28.31 |   |       |       | FM-16 | T    | 30.16 |
| 22 | 1724 | 7 | OVC:08 9                            | 1.50  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 16 | 020 |    | 28.32 |   |       |       | FM-16 | T    | 30.17 |
| 22 | 1734 | 7 | OVC:08 9                            | 1.25  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 15 | 020 |    | 28.33 |   |       |       | FM-16 | T    | 30.18 |
| 22 | 1741 | 7 | OVC:08 9                            | 2.00  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 15 | 010 |    | 28.34 |   |       |       | FM-16 | T    | 30.19 |
| 22 | 1751 | 7 | OVC:08 9                            | 3.00  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 93 | 16 | 010 |    | 28.34 |   |       |       | FM-16 | T    | 30.19 |
| 22 | 1753 | 7 | OVC:08 9                            | 3.00  | -SN:03 BR:1  SN | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 16 | 010 |    | 28.34 | 1 | -0.05 | 30.25 | FM-15 | T    | 30.19 |
| 22 | 1853 | 7 | OVC:08 9                            | 7.00  |                 | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 18 | 010 |    | 28.35 |   |       | 30.27 | FM-15 | T    | 30.20 |
| 22 | 1953 | 7 | OVC:08 7                            | 6.00  | BR:1            | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 15 | 010 |    | 28.37 |   |       | 30.29 | FM-15 | 0.00 | 30.22 |
| 22 | 2053 | 7 | OVC:08 8                            | 9.00  |                 | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 22 | 010 |    | 28.38 | 1 | -0.04 | 30.29 | FM-15 | 0.00 | 30.23 |
| 22 | 2153 | 7 | OVC:08 6                            | 8.00  |                 | 30 | -1.1 | 30 | -1.1 | 29 | -1.7  | 96 | 18 | 010 |    | 28.39 |   |       | 30.30 | FM-15 | 0.00 | 30.24 |
| 22 | 2222 | 7 | OVC:08 4                            | 6.00  | BR:1            | 30 | -1.1 | 30 | -1.1 | 29 | -1.7  | 96 | 17 | 010 |    | 28.39 |   |       |       | FM-16 |      | 30.24 |
| 22 | 2253 | 7 | OVC:08 4                            | 6.00  | BR:1            | 30 | -1.1 | 30 | -1.1 | 29 | -1.7  | 96 | 18 | 360 |    | 28.40 |   |       | 30.31 | FM-15 | 0.00 | 30.25 |
| 22 | 2351 | 6 | OVC:08 5                            | 8.00  |                 | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 93 | 17 | 360 |    | 28.41 |   |       |       | FM-16 |      | 30.26 |
| 22 | 2353 | 7 | OVC:08 5                            | 8.00  |                 | 30 | -1.1 | 30 | -1.1 | 29 | -1.7  | 96 | 17 | 360 |    | 28.41 | 3 | -0.03 | 30.32 | FM-15 | 0.00 | 30.26 |
| 23 | 0053 | 7 | OVC:08 7                            | 8.00  |                 | 30 | -1.1 | 29 | -1.7 | 28 | -2.2  | 92 | 20 | 350 |    | 28.43 |   |       | 30.35 | FM-15 | 0.00 | 30.28 |
| 23 | 0153 | 7 | OVC:08 5                            | 7.00  |                 | 29 | -1.7 | 29 | -1.7 | 28 | -2.2  | 96 | 18 | 350 |    | 28.44 |   |       | 30.36 | FM-15 | 0.00 | 30.29 |
| 23 | 0253 | 7 | OVC:08 7                            | 7.00  |                 | 29 | -1.7 | 29 | -1.7 | 28 | -2.2  | 96 | 21 | 350 |    | 28.45 | 1 | -0.03 | 30.36 | FM-15 | 0.00 | 30.30 |
| 23 | 0338 | 7 | SCT:04 9<br>SCT:04 24<br>OVC:08 32  | 9.00  |                 | 29 | -1.7 | 28 | -2.2 | 27 | -2.8  | 92 | 16 | 350 |    | 28.46 |   |       |       | FM-16 |      | 30.31 |
| 23 | 0351 | 7 | BKN:07 9<br>BKN:07 24<br>OVC:08 33  | 9.00  |                 | 28 | -2.2 | 28 | -2.2 | 27 | -2.8  | 93 | 17 | 340 |    | 28.47 |   |       |       | FM-16 |      | 30.32 |
| 23 | 0353 | 7 | BKN:07 10<br>BKN:07 24<br>OVC:08 33 | 9.00  |                 | 29 | -1.7 | 28 | -2.2 | 27 | -2.8  | 92 | 17 | 340 |    | 28.47 |   |       | 30.39 | FM-15 | 0.00 | 30.32 |
| 23 | 0411 | 7 | BKN:07 9<br>OVC:08 20               | 8.00  |                 | 29 | -1.7 | 28 | -2.2 | 27 | -2.8  | 92 | 20 | 350 |    | 28.47 |   |       |       | FM-16 |      | 30.32 |
| 23 | 0450 | 7 | SCT:04 9<br>OVC:08 26               | 7.00  |                 | 28 | -2.2 | 28 | -2.2 | 27 | -2.8  | 93 | 18 | 350 |    | 28.48 |   |       |       | FM-16 |      | 30.34 |
| 23 | 0453 | 7 | FEW:02 9<br>OVC:08 26               | 7.00  |                 | 28 | -2.2 | 27 | -2.8 | 26 | -3.3  | 92 | 17 | 350 |    | 28.48 |   |       | 30.41 | FM-15 | 0.00 | 30.34 |
| 23 | 0553 | 7 | SCT:04 14<br>OVC:08 25              | 10.00 |                 | 28 | -2.2 | 27 | -2.8 | 25 | -3.9  | 88 | 18 | 350 |    | 28.49 | 1 | -0.03 | 30.42 | FM-15 | 0.00 | 30.35 |
| 23 | 0640 | 7 | SCT:04 20<br>SCT:04 37              | 10.00 |                 | 26 | -3.3 | 25 | -3.9 | 23 | -5.0  | 88 | 14 | 350 |    | 28.51 |   |       |       | FM-16 |      | 30.36 |
| 23 | 0653 | 7 | FEW:02 37                           | 10.00 |                 | 26 | -3.3 | 25 | -3.9 | 23 | -5.0  | 88 | 15 | 340 |    | 28.51 |   |       | 30.43 | FM-15 | 0.00 | 30.36 |
| 23 | 0753 | 7 | CLR:00                              | 10.00 |                 | 26 | -3.3 | 25 | -3.9 | 22 | -5.6  | 84 | 13 | 330 |    | 28.52 |   |       | 30.45 | FM-15 | 0.00 | 30.38 |
| 23 | 0827 | 7 | BKN:07 15                           | 10.00 |                 | 27 | -2.8 | 26 | -3.3 | 23 | -5.0  | 85 | 14 | 330 |    | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 23 | 0853 | 7 | OVC:08 15                           | 10.00 |                 | 27 | -2.8 | 26 | -3.3 | 24 | -4.4  | 89 | 17 | 330 |    | 28.53 | 1 | -0.04 | 30.46 | FM-15 | 0.00 | 30.39 |
| 23 | 0918 | 7 | OVC:08 13                           | 10.00 |                 | 27 | -2.8 | 26 | -3.3 | 24 | -4.4  | 89 | 20 | 320 | 24 | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 23 | 0953 | 7 | OVC:08 12                           | 10.00 |                 | 27 | -2.8 | 26 | -3.3 | 23 | -5.0  | 85 | 16 | 320 |    | 28.54 |   |       | 30.47 | FM-15 | 0.00 | 30.40 |
| 23 | 1017 | 7 | OVC:08 16                           | 10.00 |                 | 28 | -2.2 | 26 | -3.3 | 22 | -5.6  | 78 | 22 | 330 |    | 28.54 |   |       |       | FM-16 |      | 30.40 |
| 23 | 1053 | 7 | OVC:08 20                           | 10.00 |                 | 28 | -2.2 | 26 | -3.3 | 21 | -6.1  | 75 | 16 | 340 |    | 28.54 |   |       | 30.47 | FM-15 | 0.00 | 30.40 |
| 23 | 1153 | 7 | OVC:08 16                           | 10.00 |                 | 27 | -2.8 | 25 | -3.9 | 22 | -5.6  | 81 | 16 | 320 |    | 28.54 | 0 | -0.01 | 30.47 | FM-15 | 0.00 | 30.40 |
| 23 | 1215 | 7 | OVC:08 14                           | 10.00 |                 | 26 | -3.3 | 24 | -4.4 | 21 | -6.1  | 81 | 16 | 330 |    | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 23 | 1234 | 7 | SCT:04 15<br>BKN:07 20              | 10.00 |                 | 27 | -2.8 | 24 | -4.4 | 19 | -7.2  | 72 | 21 | 350 | 28 | 28.52 |   |       |       | FM-16 |      | 30.38 |
| 23 | 1241 | 7 | SCT:04 17<br>SCT:04 23              | 10.00 |                 | 26 | -3.3 | 24 | -4.4 | 19 | -7.2  | 75 | 17 | 340 |    | 28.52 |   |       |       | FM-16 |      | 30.38 |
| 23 | 1253 | 7 | FEW:02 22                           | 10.00 |                 | 27 | -2.8 | 24 | -4.4 | 19 | -7.2  | 72 | 18 | 320 | 26 | 28.52 |   |       | 30.45 | FM-15 | 0.00 | 30.38 |
| 23 | 1353 | 7 | CLR:00                              | 10.00 |                 | 27 | -2.8 | 23 | -5.0 | 16 | -8.9  | 63 | 15 | 320 |    | 28.53 |   |       | 30.46 | FM-15 | 0.00 | 30.39 |
| 23 | 1453 | 7 | CLR:00                              | 10.00 |                 | 27 | -2.8 | 23 | -5.0 | 15 | -9.4  | 61 | 15 | 330 |    | 28.52 | 6 | +0.01 | 30.45 | FM-15 | 0.00 | 30.38 |
| 23 | 1553 | 7 | CLR:00                              | 10.00 |                 | 26 | -3.3 | 22 | -5.6 | 13 | -10.6 | 57 | 15 | 320 |    | 28.53 |   |       | 30.46 | FM-15 | 0.00 | 30.39 |
| 23 | 1653 | 7 | CLR:00                              | 10.00 |                 | 25 | -3.9 | 22 | -5.6 | 14 | -10.0 | 63 | 10 | 320 |    | 28.53 |   |       | 30.47 | FM-15 | 0.00 | 30.39 |
| 23 | 1753 | 7 | CLR:00                              | 10.00 |                 | 23 | -5.0 | 21 | -6.1 | 15 | -9.4  | 72 | 9  | 300 |    | 28.53 | 1 | -0.01 | 30.47 | FM-15 | 0.00 | 30.39 |
| 23 | 1853 | 7 | CLR:00                              | 10.00 |                 | 22 | -5.6 | 20 | -6.7 | 16 | -8.9  | 78 | 7  | 280 |    | 28.53 |   |       | 30.47 | FM-15 | 0.00 | 30.39 |
| 23 | 1953 | 7 | CLR:00                              | 10.00 |                 | 18 | -7.8 | 17 | -8.3 | 15 | -9.4  | 88 | 7  | 280 |    | 28.51 |   |       | 30.45 | FM-15 | 0.00 | 30.37 |

## Attachment 1

|    |      |   |                                     |       |                 |    |      |    |      |    |       |    |    |     |  |       |   |       |       |       |      |       |
|----|------|---|-------------------------------------|-------|-----------------|----|------|----|------|----|-------|----|----|-----|--|-------|---|-------|-------|-------|------|-------|
| 23 | 2053 | 7 | CLR:00                              | 10.00 |                 | 19 | -7.2 | 18 | -7.8 | 16 | -8.9  | 88 | 5  | 280 |  | 28.51 | 8 | +0.03 | 30.44 | FM-15 | 0.00 | 30.36 |
| 23 | 2153 | 7 | CLR:00                              | 9.00  |                 | 19 | -7.2 | 18 | -7.8 | 16 | -8.9  | 88 | 6  | 310 |  | 28.49 |   |       | 30.43 | FM-15 | 0.00 | 30.35 |
| 23 | 2253 | 7 | CLR:00                              | 7.00  |                 | 15 | -9.4 | 15 | -9.4 | 14 | -10.0 | 95 | 0  | 000 |  | 28.49 |   |       | 30.44 | FM-15 | 0.00 | 30.35 |
| 23 | 2353 | 7 | CLR:00                              | 8.00  |                 | 17 | -8.3 | 16 | -8.9 | 15 | -9.4  | 92 | 3  | 360 |  | 28.49 | 6 | +0.01 | 30.43 | FM-15 | 0.00 | 30.35 |
| 24 | 0053 | 7 | FEW:02 120                          | 7.00  |                 | 17 | -8.3 | 16 | -8.9 | 15 | -9.4  | 92 | 0  | 000 |  | 28.48 |   |       | 30.42 | FM-15 | 0.00 | 30.33 |
| 24 | 0153 | 7 | SCT:04 120                          | 9.00  |                 | 18 | -7.8 | 17 | -8.3 | 15 | -9.4  | 88 | 5  | 040 |  | 28.46 |   |       | 30.40 | FM-15 | 0.00 | 30.31 |
| 24 | 0253 | 7 | OVC:08 100                          | 10.00 |                 | 19 | -7.2 | 18 | -7.8 | 17 | -8.3  | 92 | 0  | 000 |  | 28.46 | 6 | +0.04 | 30.39 | FM-15 | 0.00 | 30.31 |
| 24 | 0353 | 7 | OVC:08 90                           | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 16 | -8.9  | 85 | 0  | 000 |  | 28.43 |   |       | 30.37 | FM-15 | 0.00 | 30.28 |
| 24 | 0453 | 7 | BKN:07 85<br>OVC:08 100             | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 17 | -8.3  | 89 | 0  | 000 |  | 28.45 |   |       | 30.38 | FM-15 | 0.00 | 30.30 |
| 24 | 0553 | 7 | FEW:02 120                          | 9.00  |                 | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88 | 0  | 000 |  | 28.45 | 5 | +0.01 | 30.39 | FM-15 | 0.00 | 30.30 |
| 24 | 0653 | 7 | OVC:08 100                          | 9.00  |                 | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88 | 3  | 120 |  | 28.44 |   |       | 30.38 | FM-15 | 0.00 | 30.29 |
| 24 | 0753 | 7 | OVC:08 90                           | 8.00  |                 | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88 | 3  | 140 |  | 28.45 |   |       | 30.38 | FM-15 | 0.00 | 30.30 |
| 24 | 0853 | 7 | OVC:08 65                           | 10.00 |                 | 22 | -5.6 | 20 | -6.7 | 17 | -8.3  | 82 | 3  | 110 |  | 28.46 | 3 | 0.00  | 30.40 | FM-15 | 0.00 | 30.31 |
| 24 | 0953 | 7 | OVC:08 55                           | 10.00 |                 | 24 | -4.4 | 22 | -5.6 | 16 | -8.9  | 71 | 6  | 080 |  | 28.45 |   |       | 30.39 | FM-15 | 0.00 | 30.30 |
| 24 | 1053 | 7 | OVC:08 55                           | 10.00 |                 | 25 | -3.9 | 22 | -5.6 | 15 | -9.4  | 66 | 8  | 080 |  | 28.45 |   |       | 30.39 | FM-15 | 0.00 | 30.30 |
| 24 | 1153 | 7 | BKN:07 33<br>OVC:08 44              | 4.00  | HZ:7  FU  HZ    | 24 | -4.4 | 22 | -5.6 | 16 | -8.9  | 71 | 9  | 070 |  | 28.43 | 8 | +0.02 | 30.37 | FM-15 | 0.00 | 30.28 |
| 24 | 1217 | 7 | BKN:07 30<br>OVC:08 38              | 1.75  | -SN:03  SN      | 24 | -4.4 | 22 | -5.6 | 18 | -7.8  | 77 | 8  | 060 |  | 28.43 |   |       |       | FM-16 | T    | 30.28 |
| 24 | 1229 | 7 | BKN:07 28<br>OVC:08 36              | 1.50  | -SN:03  SN      | 23 | -5.0 | 21 | -6.1 | 18 | -7.8  | 81 | 7  | 080 |  | 28.42 |   |       |       | FM-16 | T    | 30.27 |
| 24 | 1241 | 7 | FEW:02 14<br>BKN:07 32<br>OVC:08 48 | 2.00  | -SN:03  SN      | 23 | -5.0 | 21 | -6.1 | 18 | -7.8  | 81 | 8  | 060 |  | 28.43 |   |       |       | FM-16 | T    | 30.28 |
| 24 | 1251 | 6 | SCT:04 14<br>BKN:07 36<br>OVC:08 48 | 3.00  | -SN:03  SN      | 25 | -3.9 | 23 | -5.0 | 19 | -7.2  | 80 | 8  | 070 |  | 28.42 |   |       |       | FM-16 |      | 30.27 |
| 24 | 1253 | 7 | SCT:04 14<br>BKN:07 36<br>OVC:08 48 | 3.00  | BR:1            | 23 | -5.0 | 22 | -5.6 | 19 | -7.2  | 85 | 7  | 080 |  | 28.42 |   |       | 30.36 | FM-15 | T    | 30.27 |
| 24 | 1302 | 7 | BKN:07 14<br>BKN:07 34<br>OVC:08 41 | 3.00  | BR:1            | 23 | -5.0 | 22 | -5.6 | 19 | -7.2  | 85 | 8  | 070 |  | 28.42 |   |       |       | FM-16 |      | 30.27 |
| 24 | 1310 | 7 | BKN:07 14<br>OVC:08 39              | 1.75  | -SN:03 BR:1  SN | 23 | -5.0 | 22 | -5.6 | 19 | -7.2  | 85 | 8  | 060 |  | 28.41 |   |       |       | FM-16 | T    | 30.26 |
| 24 | 1320 | 7 | BKN:07 13<br>OVC:08 22              | 1.00  | -SN:03 BR:1  SN | 23 | -5.0 | 22 | -5.6 | 19 | -7.2  | 85 | 9  | 070 |  | 28.41 |   |       |       | FM-16 | T    | 30.26 |
| 24 | 1327 | 7 | SCT:04 13<br>BKN:07 20<br>OVC:08 31 | 0.75  | -SN:03 BR:1  SN | 23 | -5.0 | 22 | -5.6 | 19 | -7.2  | 85 | 10 | 060 |  | 28.41 |   |       |       | FM-16 | T    | 30.26 |
| 24 | 1341 | 7 | FEW:02 13<br>BKN:07 22<br>OVC:08 29 | 1.00  | -SN:03 BR:1  SN | 23 | -5.0 | 22 | -5.6 | 20 | -6.7  | 88 | 8  | 070 |  | 28.40 |   |       |       | FM-16 | T    | 30.25 |
| 24 | 1353 | 7 | SCT:04 11<br>BKN:07 22<br>OVC:08 29 | 1.25  | -SN:03 BR:1  SN | 24 | -4.4 | 23 | -5.0 | 20 | -6.7  | 84 | 10 | 060 |  | 28.39 |   |       | 30.33 | FM-15 | T    | 30.24 |
| 24 | 1400 | 7 | SCT:04 11<br>BKN:07 14<br>OVC:08 29 | 1.25  | -SN:03 BR:1  SN | 24 | -4.4 | 23 | -5.0 | 20 | -6.7  | 84 | 11 | 060 |  | 28.40 |   |       |       | FM-16 | T    | 30.25 |
| 24 | 1412 | 7 | FEW:02 10<br>BKN:07 14<br>OVC:08 39 | 1.75  | -SN:03  SN      | 24 | -4.4 | 22 | -5.6 | 19 | -7.2  | 81 | 13 | 070 |  | 28.40 |   |       |       | FM-16 | T    | 30.25 |
| 24 | 1419 | 7 | BKN:07 14<br>BKN:07 31<br>OVC:08 40 | 2.50  | -SN:03 BR:1  SN | 23 | -5.0 | 22 | -5.6 | 19 | -7.2  | 85 | 9  | 070 |  | 28.39 |   |       |       | FM-16 | T    | 30.24 |
| 24 | 1432 | 7 | BKN:07 13<br>OVC:08 37              | 3.00  | -SN:03 BR:1  SN | 24 | -4.4 | 23 | -5.0 | 20 | -6.7  | 84 | 8  | 060 |  | 28.39 |   |       |       | FM-16 | T    | 30.24 |
| 24 | 1453 | 7 | BKN:07 13<br>OVC:08 37              | 2.50  | HZ:7  FU  HZ    | 24 | -4.4 | 22 | -5.6 | 19 | -7.2  | 81 | 13 | 070 |  | 28.39 | 6 | +0.04 | 30.32 | FM-15 | T    | 30.24 |
| 24 | 1510 | 7 | BKN:07 14<br>OVC:08 35              | 3.00  | HZ:7  FU  HZ    | 24 | -4.4 | 22 | -5.6 | 19 | -7.2  | 81 | 11 | 080 |  | 28.39 |   |       |       | FM-16 |      | 30.24 |

## Attachment 1

|    |      |   |                                     |       |                 |    |      |    |      |    |      |     |    |     |  |       |   |       |       |       |      |       |
|----|------|---|-------------------------------------|-------|-----------------|----|------|----|------|----|------|-----|----|-----|--|-------|---|-------|-------|-------|------|-------|
| 24 | 1553 | 7 | BKN:07 14<br>BKN:07 29<br>OVC:08 95 | 7.00  |                 | 23 | -5.0 | 21 | -6.1 | 18 | -7.8 | 81  | 9  | 070 |  | 28.40 |   |       | 30.33 | FM-15 | 0.00 | 30.25 |
| 24 | 1559 | 7 | SCT:04 15<br>BKN:07 31<br>OVC:08 90 | 8.00  |                 | 24 | -4.4 | 22 | -5.6 | 18 | -7.8 | 77  | 10 | 070 |  | 28.40 |   |       |       | FM-16 |      | 30.25 |
| 24 | 1628 | 7 | BKN:07 16<br>BKN:07 60<br>OVC:08 75 | 10.00 |                 | 23 | -5.0 | 21 | -6.1 | 17 | -8.3 | 78  | 11 | 070 |  | 28.41 |   |       |       | FM-16 |      | 30.26 |
| 24 | 1640 | 7 | SCT:04 16<br>BKN:07 42<br>OVC:08 60 | 6.00  | -SN:03  SN      | 23 | -5.0 | 21 | -6.1 | 17 | -8.3 | 78  | 11 | 060 |  | 28.41 |   |       |       | FM-16 | T    | 30.26 |
| 24 | 1653 | 7 | FEW:02 16<br>OVC:08 44              | 2.50  | -SN:03  SN      | 23 | -5.0 | 21 | -6.1 | 18 | -7.8 | 81  | 11 | 070 |  | 28.40 |   |       | 30.34 | FM-15 | T    | 30.25 |
| 24 | 1713 | 7 | BKN:07 30<br>OVC:08 45              | 1.50  | -SN:03  SN      | 23 | -5.0 | 21 | -6.1 | 18 | -7.8 | 81  | 8  | 070 |  | 28.41 |   |       |       | FM-16 | T    | 30.26 |
| 24 | 1720 | 7 | OVC:08 26                           | 1.00  | -SN:03 BR:1  SN | 23 | -5.0 | 22 | -5.6 | 19 | -7.2 | 85  | 7  | 080 |  | 28.40 |   |       |       | FM-16 | T    | 30.25 |
| 24 | 1742 | 7 | SCT:04 14<br>OVC:08 27              | 2.00  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92  | 6  | 070 |  | 28.41 |   |       |       | FM-16 | T    | 30.26 |
| 24 | 1745 | 7 | BKN:07 14<br>OVC:08 30              | 3.00  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92  | 5  | 070 |  | 28.41 |   |       |       | FM-16 | T    | 30.26 |
| 24 | 1753 | 7 | FEW:02 10<br>BKN:07 14<br>OVC:08 36 | 3.00  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92  | 5  | 060 |  | 28.41 | 3 | -0.02 | 30.35 | FM-15 | T    | 30.26 |
| 24 | 1807 | 7 | FEW:02 10<br>FEW:02 14<br>OVC:08 36 | 3.00  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92  | 7  | 040 |  | 28.42 |   |       |       | FM-16 | T    | 30.27 |
| 24 | 1818 | 7 | FEW:02 10<br>OVC:08 34              | 2.50  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92  | 7  | 040 |  | 28.42 |   |       |       | FM-16 | T    | 30.27 |
| 24 | 1831 | 7 | OVC:08 36                           | 3.00  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92  | 7  | 030 |  | 28.43 |   |       |       | FM-16 | T    | 30.28 |
| 24 | 1853 | 7 | OVC:08 38                           | 4.00  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92  | 6  | 020 |  | 28.42 |   |       | 30.36 | FM-15 | T    | 30.27 |
| 24 | 1953 | 7 | BKN:07 55<br>OVC:08 70              | 10.00 |                 | 22 | -5.6 | 21 | -6.1 | 19 | -7.2 | 89  | 8  | 020 |  | 28.45 |   |       | 30.38 | FM-15 | T    | 30.30 |
| 24 | 2053 | 7 | OVC:08 38                           | 5.00  | -SN:03  SN      | 22 | -5.6 | 20 | -6.7 | 17 | -8.3 | 82  | 8  | 030 |  | 28.46 | 1 | -0.04 | 30.40 | FM-15 | T    | 30.31 |
| 24 | 2114 | 7 | OVC:08 32                           | 2.00  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 18 | -7.8 | 85  | 7  | 030 |  | 28.46 |   |       |       | FM-16 | T    | 30.31 |
| 24 | 2122 | 7 | OVC:08 34                           | 1.75  | -SN:03 BR:1  SN | 22 | -5.6 | 21 | -6.1 | 19 | -7.2 | 89  | 7  | 020 |  | 28.46 |   |       |       | FM-16 | T    | 30.31 |
| 24 | 2136 | 7 | OVC:08 38                           | 2.00  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 18 | -7.8 | 88  | 11 | 040 |  | 28.46 |   |       |       | FM-16 | T    | 30.31 |
| 24 | 2153 | 7 | FEW:02 11<br>OVC:08 42              | 2.50  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 18 | -7.8 | 88  | 11 | 020 |  | 28.47 |   |       | 30.40 | FM-15 | T    | 30.32 |
| 24 | 2207 | 7 | OVC:08 44                           | 3.00  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 18 | -7.8 | 88  | 9  | 020 |  | 28.47 |   |       |       | FM-16 | T    | 30.32 |
| 24 | 2243 | 7 | OVC:08 32                           | 2.00  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 18 | -7.8 | 88  | 9  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 24 | 2251 | 7 | OVC:08 28                           | 1.75  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 18 | -7.8 | 86  | 9  | 020 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 24 | 2253 | 7 | OVC:08 26                           | 1.75  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 18 | -7.8 | 88  | 9  | 020 |  | 28.48 |   |       | 30.43 | FM-15 | T    | 30.34 |
| 24 | 2307 | 7 | OVC:08 22                           | 1.25  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 18 | -7.8 | 88  | 9  | 020 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 24 | 2348 | 7 | VV:09 14                            | 0.75  | -SN:03 BR:1  SN | 19 | -7.2 | 19 | -7.2 | 19 | -7.2 | 100 | 9  | 020 |  | 28.47 |   |       |       | FM-16 | T    | 30.32 |
| 24 | 2353 | 7 | VV:09 15                            | 0.75  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 9  | 010 |  | 28.48 | 0 | -0.02 | 30.42 | FM-15 | T    | 30.33 |
| 25 | 0004 | 7 | VV:09 17                            | 1.00  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |
| 25 | 0029 | 7 | OVC:08 26                           | 1.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 9  | 360 |  | 28.49 |   |       |       | FM-16 | T    | 30.35 |
| 25 | 0053 | 7 | OVC:08 29                           | 1.75  | -SN:03 BR:1  SN | 20 | -6.7 | 19 | -7.2 | 18 | -7.8 | 92  | 10 | 360 |  | 28.49 |   |       | 30.44 | FM-15 | T    | 30.35 |
| 25 | 0104 | 7 | OVC:08 27                           | 2.00  | -SN:03 BR:1  SN | 20 | -6.7 | 19 | -7.2 | 18 | -7.8 | 92  | 8  | 360 |  | 28.49 |   |       |       | FM-16 | T    | 30.35 |
| 25 | 0116 | 7 | OVC:08 23                           | 1.50  | -SN:03 BR:1  SN | 20 | -6.7 | 19 | -7.2 | 18 | -7.8 | 92  | 8  | 360 |  | 28.51 |   |       |       | FM-16 | T    | 30.36 |
| 25 | 0150 | 7 | VV:09 18                            | 1.00  | -SN:03 BR:1  SN | 19 | -7.2 | 19 | -7.2 | 19 | -7.2 | 100 | 9  | 360 |  | 28.51 |   |       |       | FM-16 | T    | 30.36 |
| 25 | 0153 | 7 | VV:09 17                            | 1.00  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 360 |  | 28.49 |   |       | 30.44 | FM-15 | T    | 30.35 |
| 25 | 0213 | 7 | OVC:08 19                           | 1.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 010 |  | 28.49 |   |       |       | FM-16 | T    | 30.35 |
| 25 | 0225 | 7 | VV:09 19                            | 1.00  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 25 | 0251 | 6 | OVC:08 21                           | 1.50  | -SN:03 BR:1  SN | 19 | -7.2 | 19 | -7.2 | 19 | -7.2 | 100 | 8  | 010 |  | 28.48 |   |       |       | FM-16 |      | 30.34 |
| 25 | 0253 | 7 | OVC:08 23                           | 1.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 010 |  | 28.48 | 8 | +0.01 | 30.42 | FM-15 | T    | 30.34 |
| 25 | 0309 | 7 | OVC:08 33                           | 2.00  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 7  | 360 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 25 | 0321 | 7 | OVC:08 43                           | 1.75  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 25 | 0329 | 7 | OVC:08 45                           | 2.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |
| 25 | 0338 | 7 | OVC:08 41                           | 3.00  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |

## Attachment 1

|    |      |   |                                     |       |                 |    |      |    |      |    |       |     |    |     |  |       |   |       |       |       |      |       |
|----|------|---|-------------------------------------|-------|-----------------|----|------|----|------|----|-------|-----|----|-----|--|-------|---|-------|-------|-------|------|-------|
| 25 | 0348 | 7 | OVC:08 33                           | 1.75  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 19 | -7.2  | 93  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |
| 25 | 0349 | 7 | OVC:08 31                           | 1.50  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 19 | -7.2  | 92  | 8  | 010 |  | 28.48 |   |       | 30.42 | FM-15 | T    | 30.33 |
| 25 | 0352 | 7 | OVC:08 29                           | 1.25  | -SN:03 BR:1  SN | 21 | -6.1 | 20 | -6.7 | 19 | -7.2  | 92  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |
| 25 | 0416 | 7 | OVC:08 30                           | 1.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2  | 96  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |
| 25 | 0425 | 7 | OVC:08 44                           | 2.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2  | 96  | 9  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |
| 25 | 0432 | 7 | OVC:08 48                           | 3.00  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2  | 96  | 9  | 360 |  | 28.48 |   |       |       | FM-16 | T    | 30.33 |
| 25 | 0443 | 7 | OVC:08 44                           | 2.00  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2  | 96  | 10 | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 25 | 0451 | 6 | OVC:08 36                           | 1.50  | -SN:03 BR:1  SN | 19 | -7.2 | 19 | -7.2 | 19 | -7.2  | 100 | 8  | 360 |  | 28.48 |   |       |       | FM-16 |      | 30.34 |
| 25 | 0453 | 7 | OVC:08 34                           | 1.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2  | 96  | 8  | 360 |  | 28.48 |   |       | 30.43 | FM-15 | T    | 30.34 |
| 25 | 0523 | 7 | OVC:08 33                           | 2.50  | -SN:03 BR:1  SN | 20 | -6.7 | 20 | -6.7 | 19 | -7.2  | 96  | 8  | 010 |  | 28.48 |   |       |       | FM-16 | T    | 30.34 |
| 25 | 0553 | 7 | OVC:08 49                           | 3.00  | -SN:03 BR:1  SN | 20 | -6.7 | 19 | -7.2 | 18 | -7.8  | 92  | 9  | 360 |  | 28.49 | 3 | -0.01 | 30.44 | FM-15 | T    | 30.35 |
| 25 | 0638 | 7 | SCT:04 9<br>OVC:08 80               | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 18 | -7.8  | 92  | 8  | 360 |  | 28.49 |   |       |       | FM-16 | T    | 30.35 |
| 25 | 0646 | 7 | BKN:07 9<br>OVC:08 80               | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 18 | -7.8  | 92  | 9  | 010 |  | 28.49 |   |       |       | FM-16 | T    | 30.35 |
| 25 | 0653 | 7 | BKN:07 9<br>OVC:08 80               | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 18 | -7.8  | 92  | 9  | 010 |  | 28.49 |   |       | 30.44 | FM-15 | T    | 30.35 |
| 25 | 0702 | 7 | OVC:08 10                           | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 18 | -7.8  | 92  | 8  | 360 |  | 28.49 |   |       |       | FM-16 |      | 30.35 |
| 25 | 0722 | 7 | SCT:04 11<br>OVC:08 100             | 10.00 |                 | 19 | -7.2 | 18 | -7.8 | 17 | -8.3  | 92  | 8  | 360 |  | 28.51 |   |       |       | FM-16 |      | 30.36 |
| 25 | 0753 | 7 | OVC:08 90                           | 10.00 |                 | 19 | -7.2 | 18 | -7.8 | 17 | -8.3  | 92  | 8  | 360 |  | 28.51 |   |       | 30.45 | FM-15 | 0.00 | 30.36 |
| 25 | 0851 | 7 | BKN:07 37<br>OVC:08 47              | 2.50  | BR:1            | 19 | -7.2 | 19 | -7.2 | 18 | -7.8  | 93  | 10 | 360 |  | 28.52 |   |       |       | FM-16 |      | 30.38 |
| 25 | 0853 | 7 | BKN:07 37<br>OVC:08 47              | 2.50  | BR:1            | 20 | -6.7 | 19 | -7.2 | 18 | -7.8  | 92  | 10 | 360 |  | 28.52 | 0 | -0.03 | 30.47 | FM-15 | 0.00 | 30.38 |
| 25 | 0911 | 7 | BKN:07 31<br>OVC:08 39              | 1.50  | BR:1            | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88  | 9  | 010 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 25 | 0918 | 7 | BKN:07 27<br>OVC:08 39              | 1.50  | BR:1            | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88  | 9  | 010 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 25 | 0933 | 7 | BKN:07 26<br>OVC:08 32              | 2.50  | BR:1            | 21 | -6.1 | 20 | -6.7 | 19 | -7.2  | 92  | 11 | 350 |  | 28.54 |   |       |       | FM-16 |      | 30.40 |
| 25 | 0946 | 7 | OVC:08 25                           | 3.00  | BR:1            | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88  | 13 | 360 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 25 | 0953 | 7 | OVC:08 25                           | 3.00  | BR:1            | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88  | 14 | 350 |  | 28.54 |   |       | 30.49 | FM-15 | 0.00 | 30.40 |
| 25 | 1016 | 7 | BKN:07 38<br>BKN:07 65              | 9.00  |                 | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 88  | 13 | 360 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 25 | 1051 | 6 | BKN:07 17<br>BKN:07 47<br>OVC:08 55 | 10.00 |                 | 21 | -6.1 | 20 | -6.7 | 18 | -7.8  | 86  | 11 | 350 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 25 | 1053 | 7 | BKN:07 17<br>BKN:07 47<br>OVC:08 55 | 10.00 |                 | 22 | -5.6 | 20 | -6.7 | 17 | -8.3  | 82  | 11 | 360 |  | 28.53 |   |       | 30.47 | FM-15 | 0.00 | 30.39 |
| 25 | 1132 | 7 | SCT:04 21<br>BKN:07 47<br>BKN:07 55 | 10.00 |                 | 23 | -5.0 | 21 | -6.1 | 17 | -8.3  | 78  | 13 | 360 |  | 28.54 |   |       |       | FM-16 |      | 30.40 |
| 25 | 1153 | 7 | SCT:04 21                           | 10.00 |                 | 23 | -5.0 | 21 | -6.1 | 17 | -8.3  | 78  | 11 | 350 |  | 28.53 | 1 | -0.01 | 30.48 | FM-15 | 0.00 | 30.39 |
| 25 | 1201 | 7 | BKN:07 15<br>BKN:07 22              | 10.00 |                 | 23 | -5.0 | 21 | -6.1 | 18 | -7.8  | 81  | 13 | 330 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 25 | 1253 | 7 | BKN:07 22                           | 10.00 |                 | 23 | -5.0 | 21 | -6.1 | 17 | -8.3  | 78  | 15 | 330 |  | 28.51 |   |       | 30.46 | FM-15 | 0.00 | 30.37 |
| 25 | 1302 | 7 | SCT:04 22                           | 10.00 |                 | 23 | -5.0 | 21 | -6.1 | 15 | -9.4  | 72  | 18 | 330 |  | 28.51 |   |       |       | FM-16 |      | 30.37 |
| 25 | 1353 | 7 | FEW:02 24<br>BKN:07 120             | 10.00 |                 | 23 | -5.0 | 20 | -6.7 | 12 | -11.1 | 63  | 14 | 340 |  | 28.51 |   |       | 30.45 | FM-15 | 0.00 | 30.36 |
| 25 | 1453 | 7 | CLR:00                              | 10.00 |                 | 22 | -5.6 | 19 | -7.2 | 12 | -11.1 | 66  | 16 | 340 |  | 28.49 | 6 | +0.04 | 30.43 | FM-15 | 0.00 | 30.35 |
| 25 | 1553 | 7 | BKN:07 43                           | 10.00 |                 | 22 | -5.6 | 19 | -7.2 | 13 | -10.6 | 68  | 11 | 320 |  | 28.49 |   |       | 30.43 | FM-15 | 0.00 | 30.35 |
| 25 | 1653 | 7 | OVC:08 36                           | 10.00 |                 | 22 | -5.6 | 20 | -6.7 | 14 | -10.0 | 71  | 13 | 330 |  | 28.48 |   |       | 30.42 | FM-15 | T    | 30.34 |
| 25 | 1753 | 7 | FEW:02 41                           | 10.00 |                 | 21 | -6.1 | 19 | -7.2 | 14 | -10.0 | 74  | 14 | 330 |  | 28.49 | 3 | -0.01 | 30.44 | FM-15 | 0.00 | 30.35 |
| 25 | 1853 | 7 | CLR:00                              | 10.00 |                 | 21 | -6.1 | 19 | -7.2 | 15 | -9.4  | 78  | 11 | 310 |  | 28.51 |   |       | 30.46 | FM-15 | 0.00 | 30.37 |
| 25 | 1953 | 7 | FEW:02 50                           | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 15 | -9.4  | 81  | 10 | 310 |  | 28.51 |   |       | 30.46 | FM-15 | 0.00 | 30.37 |
| 25 | 2053 | 7 | FEW:02 49                           | 10.00 |                 | 20 | -6.7 | 19 | -7.2 | 15 | -9.4  | 81  | 13 | 310 |  | 28.53 | 1 | -0.04 | 30.48 | FM-15 | 0.00 | 30.39 |
| 25 | 2153 | 7 | CLR:00                              | 10.00 |                 | 19 | -7.2 | 18 | -7.8 | 14 | -10.0 | 81  | 10 | 300 |  | 28.53 |   |       | 30.47 | FM-15 | 0.00 | 30.39 |
| 25 | 2253 | 7 | SCT:04 50                           | 10.00 |                 | 19 | -7.2 | 18 | -7.8 | 14 | -10.0 | 81  | 11 | 300 |  | 28.54 |   |       | 30.49 | FM-15 | 0.00 | 30.40 |
| 25 | 2353 | 7 | OVC:08 50                           | 10.00 |                 | 18 | -7.8 | 17 | -8.3 | 14 | -10.0 | 84  | 8  | 300 |  | 28.53 | 0 | 0.00  | 30.48 | FM-15 | 0.00 | 30.39 |

## Attachment 1

|    |      |   |           |       |               |    |       |    |       |    |       |     |    |     |  |       |   |       |       |       |      |       |
|----|------|---|-----------|-------|---------------|----|-------|----|-------|----|-------|-----|----|-----|--|-------|---|-------|-------|-------|------|-------|
| 26 | 0053 | 7 | OVC:08 50 | 10.00 |               | 19 | -7.2  | 18 | -7.8  | 15 | -9.4  | 84  | 10 | 320 |  | 28.52 |   |       | 30.47 | FM-15 | 0.00 | 30.38 |
| 26 | 0153 | 7 | OVC:08 49 | 10.00 |               | 20 | -6.7  | 18 | -7.8  | 14 | -10.0 | 78  | 10 | 310 |  | 28.52 |   |       | 30.47 | FM-15 | 0.00 | 30.38 |
| 26 | 0253 | 7 | OVC:08 49 | 10.00 |               | 19 | -7.2  | 18 | -7.8  | 14 | -10.0 | 81  | 8  | 310 |  | 28.51 | 6 | +0.01 | 30.46 | FM-15 | 0.00 | 30.37 |
| 26 | 0353 | 7 | OVC:08 50 | 10.00 |               | 19 | -7.2  | 18 | -7.8  | 15 | -9.4  | 84  | 9  | 310 |  | 28.51 |   |       | 30.45 | FM-15 | 0.00 | 30.36 |
| 26 | 0453 | 7 | OVC:08 49 | 10.00 |               | 17 | -8.3  | 16 | -8.9  | 14 | -10.0 | 88  | 5  | 290 |  | 28.52 |   |       | 30.47 | FM-15 | 0.00 | 30.38 |
| 26 | 0529 | 7 | SCT:04 7  | 10.00 |               | 15 | -9.4  | 14 | -10.0 | 13 | -10.6 | 91  | 6  | 300 |  | 28.51 |   |       |       | FM-16 |      | 30.37 |
| 26 | 0538 | 7 | BKN:07 7  | 10.00 |               | 16 | -8.9  | 15 | -9.4  | 14 | -10.0 | 92  | 6  | 290 |  | 28.52 |   |       |       | FM-16 |      | 30.38 |
| 26 | 0553 | 7 | OVC:08 7  | 10.00 |               | 13 | -10.6 | 13 | -10.6 | 12 | -11.1 | 96  | 6  | 260 |  | 28.53 | 3 | -0.02 | 30.49 | FM-15 | 0.00 | 30.39 |
| 26 | 0651 | 6 | OVC:08 4  | 10.00 |               | 10 | -12.2 | 10 | -12.2 | 10 | -12.2 | 100 | 6  | 240 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 26 | 0653 | 7 | OVC:08 4  | 10.00 |               | 12 | -11.1 | 11 | -11.7 | 10 | -12.2 | 92  | 6  | 250 |  | 28.53 |   |       | 30.49 | FM-15 | 0.00 | 30.39 |
| 26 | 0753 | 7 | OVC:08 3  | 10.00 |               | 11 | -11.7 | 11 | -11.7 | 10 | -12.2 | 96  | 5  | 250 |  | 28.53 |   |       | 30.50 | FM-15 | 0.00 | 30.39 |
| 26 | 0832 | 7 | OVC:08 3  | 1.75  | BR:1          | 15 | -9.4  | 15 | -9.4  | 14 | -10.0 | 95  | 7  | 340 |  | 28.54 |   |       |       | FM-16 |      | 30.40 |
| 26 | 0835 | 7 | OVC:08 2  | 0.75  | BR:1          | 15 | -9.4  | 15 | -9.4  | 14 | -10.0 | 95  | 7  | 350 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 26 | 0853 | 7 | OVC:08 2  | 0.25  | FZ:8 FG:2  FG | 15 | -9.4  | 15 | -9.4  | 14 | -10.0 | 95  | 6  | 340 |  | 28.53 | 8 | +0.01 | 30.48 | FM-15 | 0.00 | 30.39 |
| 26 | 0903 | 7 | OVC:08 2  | 0.50  | FZ:8 FG:2  FG | 15 | -9.4  | 15 | -9.4  | 14 | -10.0 | 95  | 7  | 360 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 26 | 0914 | 7 | OVC:08 2  | 0.25  | FZ:8 FG:2  FG | 15 | -9.4  | 15 | -9.4  | 15 | -9.4  | 100 | 7  | 330 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 26 | 0953 | 7 | OVC:08 2  | 0.25  | FZ:8 FG:2  FG | 16 | -8.9  | 16 | -8.9  | 15 | -9.4  | 96  | 6  | 310 |  | 28.53 |   |       | 30.49 | FM-15 | 0.00 | 30.39 |
| 26 | 1018 | 7 | OVC:08 2  | 1.00  | BR:1          | 17 | -8.3  | 17 | -8.3  | 16 | -8.9  | 95  | 3  | 310 |  | 28.54 |   |       |       | FM-16 |      | 30.40 |
| 26 | 1024 | 7 | OVC:08 2  | 2.00  | BR:1          | 16 | -8.9  | 16 | -8.9  | 15 | -9.4  | 96  | 3  | 320 |  | 28.54 |   |       |       | FM-16 |      | 30.40 |
| 26 | 1036 | 7 | BKN:07 3  | 5.00  | BR:1          | 17 | -8.3  | 17 | -8.3  | 16 | -8.9  | 95  | 0  | 000 |  | 28.54 |   |       |       | FM-16 |      | 30.40 |
| 26 | 1051 | 6 | SCT:04 3  | 5.00  | BR:1          | 18 | -7.8  | 17 | -8.3  | 16 | -8.9  | 93  | 3  | 010 |  | 28.53 |   |       |       | FM-16 |      | 30.39 |
| 26 | 1053 | 7 | FEW:02 3  | 5.00  | BR:1          | 18 | -7.8  | 17 | -8.3  | 16 | -8.9  | 92  | 3  | 020 |  | 28.53 |   |       | 30.48 | FM-15 | 0.00 | 30.39 |
| 26 | 1153 | 7 | CLR:00    | 10.00 |               | 20 | -6.7  | 19 | -7.2  | 17 | -8.3  | 89  | 0  | 000 |  | 28.51 | 8 | +0.02 | 30.46 | FM-15 | 0.00 | 30.37 |
| 26 | 1253 | 7 | SCT:04 20 | 10.00 |               | 22 | -5.6  | 20 | -6.7  | 14 | -10.0 | 71  | 6  | 270 |  | 28.49 |   |       | 30.44 | FM-15 | 0.00 | 30.35 |
| 26 | 1302 | 7 | BKN:07 22 | 10.00 |               | 22 | -5.6  | 20 | -6.7  | 14 | -10.0 | 71  | 5  | 230 |  | 28.49 |   |       |       | FM-16 |      | 30.35 |
| 26 | 1353 | 7 | BKN:07 26 | 10.00 |               | 23 | -5.0  | 20 | -6.7  | 14 | -10.0 | 68  | 8  | 240 |  | 28.48 |   |       | 30.42 | FM-15 | 0.00 | 30.33 |
| 26 | 1433 | 7 | SCT:04 27 | 10.00 |               | 22 | -5.6  | 19 | -7.2  | 13 | -10.6 | 68  | 7  | 250 |  | 28.47 |   |       |       | FM-16 |      | 30.32 |
| 26 | 1446 | 7 | BKN:07 27 | 10.00 |               | 24 | -4.4  | 21 | -6.1  | 13 | -10.6 | 62  | 9  | 260 |  | 28.47 |   |       |       | FM-16 |      | 30.32 |
| 26 | 1453 | 7 | BKN:07 27 | 10.00 |               | 23 | -5.0  | 20 | -6.7  | 13 | -10.6 | 65  | 9  | 240 |  | 28.47 | 6 | +0.04 | 30.41 | FM-15 | 0.00 | 30.32 |
| 26 | 1500 | 7 | SCT:04 27 | 10.00 |               | 23 | -5.0  | 20 | -6.7  | 13 | -10.6 | 65  | 10 | 240 |  | 28.47 |   |       |       | FM-16 |      | 30.32 |
| 26 | 1553 | 7 | FEW:02 25 | 10.00 |               | 21 | -6.1  | 19 | -7.2  | 13 | -10.6 | 71  | 10 | 250 |  | 28.47 |   |       | 30.41 | FM-15 | 0.00 | 30.32 |
| 26 | 1653 | 7 | CLR:00    | 10.00 |               | 18 | -7.8  | 16 | -8.9  | 12 | -11.1 | 77  | 9  | 250 |  | 28.46 |   |       | 30.41 | FM-15 | 0.00 | 30.31 |
| 26 | 1753 | 7 | CLR:00    | 10.00 |               | 16 | -8.9  | 15 | -9.4  | 12 | -11.1 | 84  | 9  | 230 |  | 28.46 | 8 | +0.01 | 30.42 | FM-15 | 0.00 | 30.31 |
| 26 | 1853 | 7 | CLR:00    | 10.00 |               | 13 | -10.6 | 12 | -11.1 | 10 | -12.2 | 88  | 6  | 220 |  | 28.46 |   |       | 30.42 | FM-15 | 0.00 | 30.31 |
| 26 | 1953 | 7 | CLR:00    | 10.00 |               | 11 | -11.7 | 11 | -11.7 | 9  | -12.8 | 92  | 9  | 210 |  | 28.45 |   |       | 30.41 | FM-15 | 0.00 | 30.30 |
| 26 | 2053 | 7 | CLR:00    | 10.00 |               | 12 | -11.1 | 11 | -11.7 | 10 | -12.2 | 92  | 10 | 200 |  | 28.42 | 8 | +0.04 | 30.38 | FM-15 | 0.00 | 30.27 |
| 26 | 2153 | 7 | CLR:00    | 10.00 |               | 12 | -11.1 | 11 | -11.7 | 10 | -12.2 | 92  | 11 | 200 |  | 28.43 |   |       | 30.39 | FM-15 | 0.00 | 30.28 |
| 26 | 2253 | 7 | CLR:00    | 10.00 |               | 11 | -11.7 | 10 | -12.2 | 8  | -13.3 | 88  | 11 | 200 |  | 28.41 |   |       | 30.37 | FM-15 | 0.00 | 30.26 |
| 26 | 2353 | 7 | CLR:00    | 10.00 |               | 12 | -11.1 | 11 | -11.7 | 7  | -13.9 | 80  | 15 | 200 |  | 28.39 | 8 | +0.03 | 30.34 | FM-15 | 0.00 | 30.24 |
| 27 | 0053 | 7 | CLR:00    | 10.00 |               | 12 | -11.1 | 11 | -11.7 | 7  | -13.9 | 80  | 15 | 200 |  | 28.36 |   |       | 30.30 | FM-15 | 0.00 | 30.21 |
| 27 | 0153 | 7 | CLR:00    | 10.00 |               | 10 | -12.2 | 10 | -12.2 | 8  | -13.3 | 92  | 10 | 200 |  | 28.37 |   |       | 30.32 | FM-15 | 0.00 | 30.22 |
| 27 | 0253 | 7 | CLR:00    | 10.00 |               | 11 | -11.7 | 10 | -12.2 | 7  | -13.9 | 84  | 10 | 190 |  | 28.35 | 6 | +0.04 | 30.29 | FM-15 | 0.00 | 30.20 |
| 27 | 0353 | 7 | CLR:00    | 10.00 |               | 10 | -12.2 | 9  | -12.8 | 7  | -13.9 | 87  | 7  | 180 |  | 28.32 |   |       | 30.27 | FM-15 | 0.00 | 30.17 |
| 27 | 0453 | 7 | CLR:00    | 10.00 |               | 9  | -12.8 | 8  | -13.3 | 6  | -14.4 | 88  | 10 | 190 |  | 28.31 |   |       | 30.26 | FM-15 | 0.00 | 30.16 |
| 27 | 0553 | 7 | CLR:00    | 10.00 |               | 9  | -12.8 | 8  | -13.3 | 6  | -14.4 | 88  | 11 | 190 |  | 28.30 | 6 | +0.04 | 30.26 | FM-15 | 0.00 | 30.15 |
| 27 | 0653 | 7 | CLR:00    | 10.00 |               | 9  | -12.8 | 8  | -13.3 | 6  | -14.4 | 88  | 15 | 190 |  | 28.27 |   |       | 30.22 | FM-15 | 0.00 | 30.11 |
| 27 | 0753 | 7 | CLR:00    | 10.00 |               | 10 | -12.2 | 9  | -12.8 | 6  | -14.4 | 84  | 14 | 200 |  | 28.27 |   |       | 30.22 | FM-15 | 0.00 | 30.11 |
| 27 | 0853 | 7 | CLR:00    | 10.00 |               | 12 | -11.1 | 11 | -11.7 | 8  | -13.3 | 84  | 16 | 210 |  | 28.26 | 6 | +0.05 | 30.21 | FM-15 | 0.00 | 30.10 |
| 27 | 0953 | 7 | CLR:00    | 10.00 |               | 17 | -8.3  | 15 | -9.4  | 11 | -11.7 | 77  | 14 | 200 |  | 28.24 |   |       | 30.18 | FM-15 | 0.00 | 30.08 |
| 27 | 1053 | 7 | CLR:00    | 10.00 |               | 20 | -6.7  | 18 | -7.8  | 13 | -10.6 | 74  | 14 | 190 |  | 28.21 |   |       | 30.15 | FM-15 | 0.00 | 30.05 |
| 27 | 1153 | 7 | CLR:00    | 10.00 |               | 23 | -5.0  | 20 | -6.7  | 13 | -10.6 | 65  | 16 | 190 |  | 28.21 | 5 | +0.04 | 30.14 | FM-15 | 0.00 | 30.05 |
| 27 | 1253 | 7 | CLR:00    | 10.00 |               | 25 | -3.9  | 22 | -5.6  | 14 | -10.0 | 63  | 15 | 210 |  | 28.19 |   |       | 30.12 | FM-15 | 0.00 | 30.03 |
| 27 | 1353 | 7 | CLR:00    | 10.00 |               | 27 | -2.8  | 23 | -5.0  | 16 | -8.9  | 63  | 20 | 200 |  | 28.15 |   |       | 30.08 | FM-15 | 0.00 | 29.99 |
| 27 | 1453 | 7 | CLR:00    | 10.00 |               | 27 | -2.8  | 24 | -4.4  | 17 | -8.3  | 66  | 15 | 190 |  | 28.12 | 8 | +0.09 | 30.05 | FM-15 | 0.00 | 29.96 |
| 27 | 1553 | 7 | CLR:00    | 10.00 |               | 26 | -3.3  | 23 | -5.0  | 18 | -7.8  | 71  | 17 | 190 |  | 28.10 |   |       | 30.02 | FM-15 | 0.00 | 29.94 |
| 27 | 1653 | 7 | OVC:08 90 | 10.00 |               | 26 | -3.3  | 24 | -4.4  | 19 | -7.2  | 75  | 18 | 200 |  | 28.08 |   |       | 30.00 | FM-15 | 0.00 | 29.91 |
| 27 | 1753 | 7 | BKN:07 80 | 10.00 |               | 26 | -3.3  | 23 | -5.0  | 18 | -7.8  | 71  | 16 | 190 |  | 28.06 | 6 | +0.06 | 29.98 | FM-15 | 0.00 | 29.89 |

## Attachment 1

|    |      |   |                                     |       |      |    |      |    |      |    |      |     |    |     |  |       |   |       |       |       |      |       |
|----|------|---|-------------------------------------|-------|------|----|------|----|------|----|------|-----|----|-----|--|-------|---|-------|-------|-------|------|-------|
| 27 | 1853 | 7 | OVC:08 70                           | 10.00 |      | 28 | -2.2 | 26 | -3.3 | 21 | -6.1 | 75  | 17 | 210 |  | 28.06 |   |       | 29.98 | FM-15 | 0.00 | 29.89 |
| 27 | 1953 | 7 | CLR:00                              | 10.00 |      | 28 | -2.2 | 25 | -3.9 | 20 | -6.7 | 72  | 17 | 210 |  | 28.04 |   |       | 29.95 | FM-15 | 0.00 | 29.87 |
| 27 | 2053 | 7 | CLR:00                              | 10.00 |      | 29 | -1.7 | 26 | -3.3 | 21 | -6.1 | 72  | 20 | 210 |  | 28.03 | 8 | +0.04 | 29.94 | FM-15 | 0.00 | 29.86 |
| 27 | 2153 | 7 | CLR:00                              | 10.00 |      | 30 | -1.1 | 27 | -2.8 | 23 | -5.0 | 75  | 11 | 220 |  | 28.03 |   |       | 29.94 | FM-15 | 0.00 | 29.86 |
| 27 | 2253 | 7 | CLR:00                              | 10.00 |      | 29 | -1.7 | 27 | -2.8 | 23 | -5.0 | 78  | 7  | 210 |  | 28.04 |   |       | 29.94 | FM-15 | 0.00 | 29.87 |
| 27 | 2353 | 7 | CLR:00                              | 10.00 |      | 31 | -0.6 | 28 | -2.2 | 24 | -4.4 | 76  | 11 | 230 |  | 28.03 | 0 | -0.01 | 29.93 | FM-15 | 0.00 | 29.86 |
| 28 | 0053 | 7 | CLR:00                              | 10.00 |      | 28 | -2.2 | 26 | -3.3 | 23 | -5.0 | 81  | 3  | 150 |  | 28.05 |   |       | 29.95 | FM-15 | 0.00 | 29.88 |
| 28 | 0153 | 7 | CLR:00                              | 10.00 |      | 27 | -2.8 | 26 | -3.3 | 23 | -5.0 | 85  | 7  | 210 |  | 28.05 |   |       | 29.95 | FM-15 | 0.00 | 29.88 |
| 28 | 0253 | 7 | OVC:08 100                          | 10.00 |      | 29 | -1.7 | 27 | -2.8 | 24 | -4.4 | 82  | 7  | 210 |  | 28.04 | 0 | -0.01 | 29.93 | FM-15 | 0.00 | 29.87 |
| 28 | 0353 | 7 | OVC:08 100                          | 10.00 |      | 32 | 0.0  | 30 | -1.1 | 27 | -2.8 | 82  | 6  | 160 |  | 28.00 |   |       | 29.89 | FM-15 | 0.00 | 29.83 |
| 28 | 0453 | 7 | OVC:08 95                           | 10.00 |      | 31 | -0.6 | 29 | -1.7 | 27 | -2.8 | 85  | 5  | 170 |  | 28.00 |   |       | 29.89 | FM-15 | 0.00 | 29.83 |
| 28 | 0553 | 7 | OVC:08 95                           | 10.00 |      | 32 | 0.0  | 30 | -1.1 | 28 | -2.2 | 85  | 7  | 170 |  | 27.99 | 6 | +0.04 | 29.88 | FM-15 | 0.00 | 29.82 |
| 28 | 0653 | 7 | CLR:00                              | 10.00 |      | 28 | -2.2 | 27 | -2.8 | 25 | -3.9 | 88  | 8  | 170 |  | 28.01 |   |       | 29.90 | FM-15 | 0.00 | 29.84 |
| 28 | 0753 | 7 | CLR:00                              | 10.00 |      | 29 | -1.7 | 28 | -2.2 | 25 | -3.9 | 85  | 10 | 200 |  | 28.03 |   |       | 29.92 | FM-15 | 0.00 | 29.86 |
| 28 | 0853 | 7 | CLR:00                              | 10.00 |      | 33 | 0.6  | 31 | -0.6 | 27 | -2.8 | 78  | 8  | 240 |  | 28.08 | 3 | -0.08 | 29.96 | FM-15 | 0.00 | 29.91 |
| 28 | 0953 | 7 | CLR:00                              | 10.00 |      | 36 | 2.2  | 34 | 1.1  | 30 | -1.1 | 79  | 9  | 250 |  | 28.07 |   |       | 29.96 | FM-15 | 0.00 | 29.90 |
| 28 | 1053 | 7 | CLR:00                              | 10.00 |      | 38 | 3.3  | 35 | 1.7  | 31 | -0.6 | 76  | 10 | 250 |  | 28.09 |   |       | 29.98 | FM-15 | 0.00 | 29.92 |
| 28 | 1153 | 7 | CLR:00                              | 10.00 |      | 41 | 5.0  | 37 | 2.8  | 31 | -0.6 | 67  | 13 | 280 |  | 28.10 | 3 | -0.04 | 29.99 | FM-15 | 0.00 | 29.94 |
| 28 | 1253 | 7 | CLR:00                              | 10.00 |      | 41 | 5.0  | 37 | 2.8  | 32 | 0.0  | 70  | 11 | 300 |  | 28.10 |   |       | 29.99 | FM-15 | 0.00 | 29.94 |
| 28 | 1353 | 7 | CLR:00                              | 10.00 |      | 42 | 5.6  | 39 | 3.9  | 34 | 1.1  | 73  | 15 | 330 |  | 28.12 |   |       | 30.01 | FM-15 | 0.00 | 29.96 |
| 28 | 1453 | 7 | CLR:00                              | 10.00 |      | 42 | 5.6  | 39 | 3.9  | 34 | 1.1  | 73  | 13 | 320 |  | 28.14 | 3 | -0.04 | 30.03 | FM-15 | 0.00 | 29.98 |
| 28 | 1553 | 7 | CLR:00                              | 10.00 |      | 41 | 5.0  | 38 | 3.3  | 35 | 1.7  | 79  | 10 | 320 |  | 28.18 |   |       | 30.06 | FM-15 | 0.00 | 30.02 |
| 28 | 1635 | 7 | BKN:07 28                           | 10.00 |      | 40 | 4.4  | 37 | 2.8  | 34 | 1.1  | 79  | 8  | 340 |  | 28.20 |   |       |       | FM-16 |      | 30.04 |
| 28 | 1653 | 7 | OVC:08 28                           | 10.00 |      | 39 | 3.9  | 37 | 2.8  | 34 | 1.1  | 82  | 9  | 340 |  | 28.22 |   |       | 30.11 | FM-15 | 0.00 | 30.06 |
| 28 | 1722 | 7 | OVC:08 31                           | 10.00 |      | 38 | 3.3  | 36 | 2.2  | 33 | 0.6  | 83  | 9  | 340 |  | 28.23 |   |       |       | FM-16 |      | 30.07 |
| 28 | 1734 | 7 | OVC:08 29                           | 10.00 |      | 37 | 2.8  | 35 | 1.7  | 33 | 0.6  | 86  | 8  | 350 |  | 28.23 |   |       |       | FM-16 |      | 30.07 |
| 28 | 1748 | 7 | OVC:08 31                           | 10.00 |      | 37 | 2.8  | 36 | 2.2  | 34 | 1.1  | 87  | 9  | 350 |  | 28.24 |   |       |       | FM-16 |      | 30.08 |
| 28 | 1753 | 7 | OVC:08 31                           | 10.00 |      | 37 | 2.8  | 35 | 1.7  | 33 | 0.6  | 86  | 9  | 350 |  | 28.24 | 0 | -0.06 | 30.13 | FM-15 | 0.00 | 30.08 |
| 28 | 1853 | 7 | FEW:02 23<br>OVC:08 32              | 10.00 |      | 37 | 2.8  | 35 | 1.7  | 33 | 0.6  | 86  | 8  | 340 |  | 28.26 |   |       | 30.16 | FM-15 | 0.00 | 30.10 |
| 28 | 1906 | 7 | BKN:07 25<br>OVC:08 32              | 10.00 |      | 36 | 2.2  | 35 | 1.7  | 33 | 0.6  | 89  | 9  | 330 |  | 28.26 |   |       |       | FM-16 |      | 30.10 |
| 28 | 1934 | 7 | SCT:04 23<br>BKN:07 30<br>OVC:08 39 | 10.00 |      | 36 | 2.2  | 34 | 1.1  | 32 | 0.0  | 86  | 10 | 340 |  | 28.27 |   |       |       | FM-16 |      | 30.11 |
| 28 | 1953 | 7 | FEW:02 20<br>BKN:07 37              | 10.00 |      | 35 | 1.7  | 33 | 0.6  | 31 | -0.6 | 85  | 15 | 350 |  | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.11 |
| 28 | 2053 | 7 | CLR:00                              | 10.00 |      | 32 | 0.0  | 31 | -0.6 | 30 | -1.1 | 92  | 10 | 360 |  | 28.27 | 1 | -0.04 | 30.18 | FM-15 | 0.00 | 30.12 |
| 28 | 2153 | 7 | CLR:00                              | 10.00 |      | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92  | 8  | 360 |  | 28.30 |   |       | 30.21 | FM-15 | 0.00 | 30.15 |
| 28 | 2253 | 7 | FEW:02 35                           | 10.00 |      | 26 | -3.3 | 26 | -3.3 | 25 | -3.9 | 96  | 7  | 350 |  | 28.30 |   |       | 30.21 | FM-15 | 0.00 | 30.15 |
| 28 | 2353 | 7 | CLR:00                              | 10.00 |      | 27 | -2.8 | 26 | -3.3 | 25 | -3.9 | 92  | 6  | 310 |  | 28.30 | 0 | -0.02 | 30.20 | FM-15 | 0.00 | 30.14 |
| 29 | 0053 | 7 | CLR:00                              | 10.00 |      | 24 | -4.4 | 24 | -4.4 | 23 | -5.0 | 96  | 7  | 340 |  | 28.31 |   |       | 30.22 | FM-15 | 0.00 | 30.16 |
| 29 | 0153 | 7 | CLR:00                              | 10.00 |      | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 6  | 010 |  | 28.31 |   |       | 30.22 | FM-15 | 0.00 | 30.16 |
| 29 | 0253 | 7 | CLR:00                              | 8.00  |      | 23 | -5.0 | 23 | -5.0 | 22 | -5.6 | 96  | 5  | 340 |  | 28.30 | 0 | -0.01 | 30.21 | FM-15 | 0.00 | 30.15 |
| 29 | 0353 | 7 | CLR:00                              | 8.00  |      | 18 | -7.8 | 18 | -7.8 | 18 | -7.8 | 100 | 6  | 350 |  | 28.30 |   |       | 30.22 | FM-15 | 0.00 | 30.15 |
| 29 | 0453 | 7 | CLR:00                              | 4.00  | BR:1 | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 5  | 350 |  | 28.31 |   |       | 30.22 | FM-15 | 0.00 | 30.16 |
| 29 | 0502 | 7 | CLR:00                              | 1.75  | BR:1 | 18 | -7.8 | 18 | -7.8 | 18 | -7.8 | 100 | 3  | 040 |  | 28.31 |   |       |       | FM-16 |      | 30.16 |
| 29 | 0511 | 7 | CLR:00                              | 1.25V | BR:1 | 20 | -6.7 | 20 | -6.7 | 19 | -7.2 | 96  | 5  | 040 |  | 28.30 |   |       |       | FM-16 |      | 30.15 |
| 29 | 0517 | 7 | CLR:00                              | 2.00  | BR:1 | 19 | -7.2 | 19 | -7.2 | 18 | -7.8 | 96  | 5  | 050 |  | 28.30 |   |       |       | FM-16 |      | 30.15 |
| 29 | 0527 | 7 | CLR:00                              | 3.00  | BR:1 | 19 | -7.2 | 19 | -7.2 | 18 | -7.8 | 96  | 0  | 000 |  | 28.30 |   |       |       | FM-16 |      | 30.15 |
| 29 | 0553 | 7 | CLR:00                              | 5.00  | BR:1 | 19 | -7.2 | 19 | -7.2 | 18 | -7.8 | 96  | 5  | 350 |  | 28.30 | 0 | 0.00  | 30.22 | FM-15 | 0.00 | 30.15 |
| 29 | 0653 | 7 | CLR:00                              | 6.00  | BR:1 | 19 | -7.2 | 19 | -7.2 | 18 | -7.8 | 96  | 5  | 340 |  | 28.32 |   |       | 30.23 | FM-15 | 0.00 | 30.17 |
| 29 | 0753 | 7 | CLR:00                              | 4.00  | BR:1 | 19 | -7.2 | 19 | -7.2 | 18 | -7.8 | 96  | 3  | 040 |  | 28.32 |   |       | 30.24 | FM-15 | 0.00 | 30.17 |
| 29 | 0853 | 7 | CLR:00                              | 10.00 |      | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 85  | 6  | 030 |  | 28.32 | 0 | -0.01 | 30.23 | FM-15 | 0.00 | 30.17 |
| 29 | 0953 | 7 | CLR:00                              | 10.00 |      | 30 | -1.1 | 27 | -2.8 | 23 | -5.0 | 75  | 5  | 070 |  | 28.30 |   |       | 30.21 | FM-15 | 0.00 | 30.14 |
| 29 | 1053 | 7 | CLR:00                              | 10.00 |      | 33 | 0.6  | 30 | -1.1 | 24 | -4.4 | 70  | 6  | 140 |  | 28.29 |   |       | 30.19 | FM-15 | 0.00 | 30.13 |
| 29 | 1153 | 7 | CLR:00                              | 10.00 |      | 36 | 2.2  | 32 | 0.0  | 26 | -3.3 | 67  | 5  | 130 |  | 28.27 | 6 | +0.05 | 30.17 | FM-15 | 0.00 | 30.11 |
| 29 | 1253 | 7 | CLR:00                              | 10.00 |      | 36 | 2.2  | 32 | 0.0  | 27 | -2.8 | 70  | 8  | 120 |  | 28.25 |   |       | 30.15 | FM-15 | 0.00 | 30.09 |



## Attachment 1

|    |      |   |                                       |       |                 |    |      |    |      |    |      |    |    |     |    |       |   |       |       |       |      |       |
|----|------|---|---------------------------------------|-------|-----------------|----|------|----|------|----|------|----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 29 | 1353 | 7 | BKN:07 120                            | 10.00 |                 | 38 | 3.3  | 34 | 1.1  | 29 | -1.7 | 70 | 8  | 150 |    | 28.23 |   |       | 30.13 | FM-15 | 0.00 | 30.07 |
| 29 | 1453 | 7 | FEW:02 70<br>BKN:07 100<br>BKN:07 120 | 10.00 |                 | 36 | 2.2  | 33 | 0.6  | 29 | -1.7 | 76 | 10 | 170 |    | 28.22 | 6 | +0.06 | 30.12 | FM-15 | 0.00 | 30.06 |
| 29 | 1553 | 7 | OVC:08 70                             | 10.00 |                 | 35 | 1.7  | 33 | 0.6  | 29 | -1.7 | 78 | 10 | 200 |    | 28.24 |   |       | 30.14 | FM-15 | 0.00 | 30.08 |
| 29 | 1653 | 7 | BKN:07 60<br>OVC:08 75                | 10.00 |                 | 34 | 1.1  | 32 | 0.0  | 28 | -2.2 | 79 | 7  | 170 |    | 28.22 |   |       | 30.14 | FM-15 | T    | 30.06 |
| 29 | 1753 | 7 | BKN:07 44<br>OVC:08 55                | 10.00 |                 | 34 | 1.1  | 32 | 0.0  | 29 | -1.7 | 82 | 9  | 160 |    | 28.22 | 0 | 0.00  | 30.13 | FM-15 | T    | 30.06 |
| 29 | 1853 | 7 | BKN:07 38<br>BKN:07 50<br>OVC:08 65   | 5.00  | -SN:03 BR:1  SN | 33 | 0.6  | 31 | -0.6 | 29 | -1.7 | 85 | 10 | 160 |    | 28.21 |   |       | 30.13 | FM-15 | T    | 30.05 |
| 29 | 1953 | 7 | FEW:02 60<br>SCT:04 70<br>OVC:08 85   | 10.00 |                 | 33 | 0.6  | 31 | -0.6 | 29 | -1.7 | 85 | 9  | 150 |    | 28.21 |   |       | 30.13 | FM-15 | T    | 30.05 |
| 29 | 2053 | 7 | FEW:02 41<br>BKN:07 70<br>OVC:08 90   | 10.00 |                 | 33 | 0.6  | 31 | -0.6 | 27 | -2.8 | 78 | 7  | 130 |    | 28.23 | 3 | -0.01 | 30.13 | FM-15 | 0.00 | 30.07 |
| 29 | 2153 | 7 | FEW:02 43<br>OVC:08 55                | 10.00 |                 | 33 | 0.6  | 31 | -0.6 | 27 | -2.8 | 78 | 9  | 140 |    | 28.22 |   |       | 30.12 | FM-15 | 0.00 | 30.06 |
| 29 | 2253 | 7 | BKN:07 55                             | 10.00 |                 | 33 | 0.6  | 31 | -0.6 | 28 | -2.2 | 82 | 11 | 140 |    | 28.21 |   |       | 30.11 | FM-15 | 0.00 | 30.05 |
| 29 | 2353 | 7 | CLR:00                                | 10.00 |                 | 32 | 0.0  | 30 | -1.1 | 27 | -2.8 | 82 | 9  | 150 |    | 28.22 | 5 | +0.01 | 30.11 | FM-15 | 0.00 | 30.06 |
| 30 | 0053 | 7 | CLR:00                                | 10.00 |                 | 32 | 0.0  | 30 | -1.1 | 27 | -2.8 | 82 | 9  | 150 |    | 28.22 |   |       | 30.12 | FM-15 | 0.00 | 30.06 |
| 30 | 0153 | 7 | CLR:00                                | 10.00 |                 | 32 | 0.0  | 30 | -1.1 | 26 | -3.3 | 79 | 14 | 150 |    | 28.23 |   |       | 30.12 | FM-15 | 0.00 | 30.07 |
| 30 | 0253 | 7 | CLR:00                                | 10.00 |                 | 31 | -0.6 | 29 | -1.7 | 26 | -3.3 | 82 | 9  | 140 |    | 28.24 | 1 | -0.02 | 30.13 | FM-15 | 0.00 | 30.08 |
| 30 | 0353 | 7 | CLR:00                                | 10.00 |                 | 31 | -0.6 | 29 | -1.7 | 25 | -3.9 | 79 | 8  | 150 |    | 28.24 |   |       | 30.14 | FM-15 | 0.00 | 30.08 |
| 30 | 0453 | 7 | CLR:00                                | 10.00 |                 | 30 | -1.1 | 28 | -2.2 | 24 | -4.4 | 79 | 9  | 150 |    | 28.25 |   |       | 30.15 | FM-15 | 0.00 | 30.09 |
| 30 | 0553 | 7 | CLR:00                                | 10.00 |                 | 28 | -2.2 | 27 | -2.8 | 24 | -4.4 | 85 | 8  | 160 |    | 28.27 | 3 | -0.03 | 30.17 | FM-15 | 0.00 | 30.11 |
| 30 | 0653 | 7 | CLR:00                                | 10.00 |                 | 28 | -2.2 | 27 | -2.8 | 24 | -4.4 | 85 | 7  | 150 |    | 28.29 |   |       | 30.19 | FM-15 | 0.00 | 30.13 |
| 30 | 0753 | 7 | CLR:00                                | 10.00 |                 | 30 | -1.1 | 28 | -2.2 | 24 | -4.4 | 79 | 8  | 140 |    | 28.30 |   |       | 30.20 | FM-15 | 0.00 | 30.14 |
| 30 | 0853 | 7 | CLR:00                                | 10.00 |                 | 32 | 0.0  | 30 | -1.1 | 26 | -3.3 | 79 | 11 | 150 |    | 28.31 | 3 | -0.05 | 30.22 | FM-15 | 0.00 | 30.16 |
| 30 | 0953 | 7 | CLR:00                                | 10.00 |                 | 34 | 1.1  | 32 | 0.0  | 28 | -2.2 | 79 | 10 | 160 |    | 28.31 |   |       | 30.22 | FM-15 | 0.00 | 30.16 |
| 30 | 1053 | 7 | CLR:00                                | 10.00 |                 | 36 | 2.2  | 33 | 0.6  | 29 | -1.7 | 76 | 11 | 160 |    | 28.31 |   |       | 30.21 | FM-15 | 0.00 | 30.16 |
| 30 | 1153 | 7 | CLR:00                                | 10.00 |                 | 39 | 3.9  | 36 | 2.2  | 31 | -0.6 | 73 | 14 | 150 | 22 | 28.30 | 8 | +0.02 | 30.19 | FM-15 | 0.00 | 30.14 |
| 30 | 1253 | 7 | CLR:00                                | 10.00 |                 | 40 | 4.4  | 36 | 2.2  | 31 | -0.6 | 70 | 16 | 160 | 24 | 28.27 |   |       | 30.17 | FM-15 | 0.00 | 30.12 |
| 30 | 1353 | 7 | CLR:00                                | 10.00 |                 | 42 | 5.6  | 38 | 3.3  | 32 | 0.0  | 68 | 13 | 150 |    | 28.24 |   |       | 30.13 | FM-15 | 0.00 | 30.08 |
| 30 | 1453 | 7 | CLR:00                                | 10.00 |                 | 42 | 5.6  | 38 | 3.3  | 33 | 0.6  | 71 | 13 | 170 |    | 28.21 | 8 | +0.08 | 30.10 | FM-15 | 0.00 | 30.05 |
| 30 | 1553 | 7 | CLR:00                                | 10.00 |                 | 42 | 5.6  | 38 | 3.3  | 33 | 0.6  | 71 | 14 | 150 |    | 28.19 |   |       | 30.08 | FM-15 | 0.00 | 30.03 |
| 30 | 1653 | 7 | CLR:00                                | 10.00 |                 | 40 | 4.4  | 37 | 2.8  | 34 | 1.1  | 79 | 10 | 150 |    | 28.17 |   |       | 30.06 | FM-15 | 0.00 | 30.01 |
| 30 | 1753 | 7 | CLR:00                                | 10.00 |                 | 38 | 3.3  | 36 | 2.2  | 33 | 0.6  | 83 | 14 | 150 |    | 28.14 | 8 | +0.07 | 30.03 | FM-15 | 0.00 | 29.98 |
| 30 | 1853 | 7 | CLR:00                                | 10.00 |                 | 38 | 3.3  | 36 | 2.2  | 33 | 0.6  | 83 | 15 | 150 |    | 28.12 |   |       | 30.01 | FM-15 | 0.00 | 29.95 |
| 30 | 1953 | 7 | CLR:00                                | 10.00 |                 | 38 | 3.3  | 36 | 2.2  | 33 | 0.6  | 83 | 17 | 150 |    | 28.09 |   |       | 29.97 | FM-15 | 0.00 | 29.92 |
| 30 | 2053 | 7 | CLR:00                                | 10.00 |                 | 38 | 3.3  | 36 | 2.2  | 33 | 0.6  | 83 | 18 | 160 | 29 | 28.06 | 8 | +0.09 | 29.94 | FM-15 | 0.00 | 29.89 |
| 30 | 2153 | 7 | CLR:00                                | 10.00 |                 | 39 | 3.9  | 36 | 2.2  | 33 | 0.6  | 79 | 18 | 160 | 31 | 28.03 |   |       | 29.90 | FM-15 | 0.00 | 29.86 |
| 30 | 2253 | 7 | CLR:00                                | 10.00 |                 | 39 | 3.9  | 36 | 2.2  | 33 | 0.6  | 79 | 18 | 160 | 31 | 27.99 |   |       | 29.86 | FM-15 | 0.00 | 29.82 |
| 30 | 2353 | 7 | CLR:00                                | 10.00 |                 | 39 | 3.9  | 36 | 2.2  | 33 | 0.6  | 79 | 21 | 160 | 32 | 27.95 | 8 | +0.10 | 29.82 | FM-15 | 0.00 | 29.78 |
| 31 | 0053 | 7 | CLR:00                                | 10.00 |                 | 40 | 4.4  | 37 | 2.8  | 34 | 1.1  | 79 | 21 | 160 | 31 | 27.92 |   |       | 29.78 | FM-15 | 0.00 | 29.75 |
| 31 | 0153 | 7 | CLR:00                                | 10.00 |                 | 39 | 3.9  | 37 | 2.8  | 34 | 1.1  | 82 | 21 | 170 |    | 27.90 |   |       | 29.75 | FM-15 | 0.00 | 29.72 |
| 31 | 0253 | 7 | CLR:00                                | 10.00 |                 | 40 | 4.4  | 38 | 3.3  | 35 | 1.7  | 83 | 20 | 160 | 34 | 27.84 | 8 | +0.12 | 29.69 | FM-15 | 0.00 | 29.66 |
| 31 | 0353 | 7 | CLR:00                                | 10.00 |                 | 40 | 4.4  | 38 | 3.3  | 35 | 1.7  | 83 | 17 | 170 | 30 | 27.82 |   |       | 29.67 | FM-15 | 0.00 | 29.64 |
| 31 | 0453 | 7 | CLR:00                                | 10.00 |                 | 39 | 3.9  | 38 | 3.3  | 36 | 2.2  | 89 | 14 | 170 |    | 27.83 |   |       | 29.69 | FM-15 | 0.00 | 29.65 |
| 31 | 0553 | 7 | CLR:00                                | 10.00 |                 | 38 | 3.3  | 37 | 2.8  | 36 | 2.2  | 93 | 6  | 190 |    | 27.85 | 3 | -0.01 | 29.71 | FM-15 | 0.00 | 29.67 |
| 31 | 0653 | 7 | CLR:00                                | 10.00 |                 | 34 | 1.1  | 34 | 1.1  | 33 | 0.6  | 97 | 5  | 210 |    | 27.87 |   |       | 29.73 | FM-15 | 0.00 | 29.69 |
| 31 | 0753 | 7 | CLR:00                                | 10.00 |                 | 39 | 3.9  | 38 | 3.3  | 36 | 2.2  | 89 | 8  | 280 |    | 27.90 |   |       | 29.76 | FM-15 | 0.00 | 29.72 |
| 31 | 0853 | 7 | CLR:00                                | 10.00 |                 | 45 | 7.2  | 42 | 5.6  | 38 | 3.3  | 77 | 13 | 310 |    | 27.94 | 3 | -0.08 | 29.78 | FM-15 | 0.00 | 29.76 |
| 31 | 0953 | 7 | CLR:00                                | 10.00 |                 | 46 | 7.8  | 42 | 5.6  | 37 | 2.8  | 71 | 10 | 300 |    | 27.96 |   |       | 29.82 | FM-15 | 0.00 | 29.79 |
| 31 | 1053 | 7 | CLR:00                                | 10.00 |                 | 49 | 9.4  | 44 | 6.7  | 38 | 3.3  | 66 | 17 | 300 | 28 | 28.00 |   |       | 29.85 | FM-15 | 0.00 | 29.83 |
| 31 | 1153 | 7 | CLR:00                                | 10.00 |                 | 50 | 10.0 | 44 | 6.7  | 38 | 3.3  | 63 | 18 | 300 | 31 | 28.00 | 1 | -0.07 | 29.86 | FM-15 | 0.00 | 29.83 |
| 31 | 1253 | 7 | CLR:00                                | 10.00 |                 | 51 | 10.6 | 44 | 6.7  | 37 | 2.8  | 59 | 25 | 300 | 34 | 28.04 |   |       | 29.89 | FM-15 | 0.00 | 29.87 |

## Attachment 1

|    |      |   |                        |       |  |    |      |    |      |    |      |    |    |     |    |       |   |       |       |       |      |       |
|----|------|---|------------------------|-------|--|----|------|----|------|----|------|----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 31 | 1353 | 7 | FEW:02 35              | 10.00 |  | 50 | 10.0 | 43 | 6.1  | 35 | 1.7  | 57 | 25 | 300 | 39 | 28.06 |   |       | 29.91 | FM-15 | 0.00 | 29.89 |
| 31 | 1453 | 7 | SCT:04 40<br>BKN:07 47 | 10.00 |  | 49 | 9.4  | 42 | 5.6  | 34 | 1.1  | 56 | 25 | 300 | 40 | 28.09 | 2 | -0.08 | 29.95 | FM-15 | 0.00 | 29.92 |
| 31 | 1553 | 7 | FEW:02 44              | 10.00 |  | 46 | 7.8  | 39 | 3.9  | 29 | -1.7 | 51 | 23 | 290 | 37 | 28.12 |   |       | 29.99 | FM-15 | 0.00 | 29.96 |
| 31 | 1653 | 7 | CLR:00                 | 10.00 |  | 43 | 6.1  | 37 | 2.8  | 28 | -2.2 | 56 | 20 | 290 | 39 | 28.14 |   |       | 30.01 | FM-15 | 0.00 | 29.98 |
| 31 | 1753 | 7 | FEW:02 55<br>FEW:02 65 | 10.00 |  | 40 | 4.4  | 33 | 0.6  | 23 | -5.0 | 51 | 30 | 300 | 48 | 28.20 | 3 | -0.11 | 30.08 | FM-15 | 0.00 | 30.04 |
| 31 | 1853 | 7 | CLR:00                 | 10.00 |  | 37 | 2.8  | 32 | 0.0  | 24 | -4.4 | 59 | 20 | 310 | 34 | 28.24 |   |       | 30.12 | FM-15 | 0.00 | 30.08 |
| 31 | 1953 | 7 | CLR:00                 | 10.00 |  | 35 | 1.7  | 30 | -1.1 | 22 | -5.6 | 59 | 26 | 320 | 44 | 28.27 |   |       | 30.16 | FM-15 | 0.00 | 30.11 |
| 31 | 2053 | 7 | CLR:00                 | 10.00 |  | 33 | 0.6  | 29 | -1.7 | 21 | -6.1 | 61 | 24 | 320 | 38 | 28.30 | 3 | -0.11 | 30.20 | FM-15 | 0.00 | 30.15 |
| 31 | 2153 | 7 | CLR:00                 | 10.00 |  | 32 | 0.0  | 28 | -2.2 | 21 | -6.1 | 64 | 23 | 320 | 44 | 28.35 |   |       | 30.24 | FM-15 | 0.00 | 30.20 |
| 31 | 2253 | 7 | CLR:00                 | 10.00 |  | 31 | -0.6 | 27 | -2.8 | 21 | -6.1 | 67 | 24 | 330 | 38 | 28.37 |   |       | 30.26 | FM-15 | 0.00 | 30.22 |
| 31 | 2353 | 7 | CLR:00                 | 10.00 |  | 30 | -1.1 | 27 | -2.8 | 20 | -6.7 | 66 | 23 | 330 | 31 | 28.39 | 1 | -0.08 | 30.28 | FM-15 | 0.00 | 30.24 |



U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

# Local Climatological Data Hourly Observations November 2020

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Current Location: Elev: 1748 ft. Lat: 44.9047° N Lon: -97.1494° W

Generated on 11/20/2020

Station: **WATERTOWN REGIONAL AIRPORT, SD US WBAN: 72654614946 (KATY)**

| Date | Time (LST) | Station Type | Sky Conditions | Visibility | Weather Type (see documentation) | Dry Bulb Temp |      | Wet Bulb Temp |      | Dew Point Temp |      | Rel Hum % | Wind Speed (MPH) | Wind Dir (Deg) | Wind Gusts (MPH) | Station Press (inHg) | Press. Tend | Net 3-Hr Change (inHg) | Sea Level Press. (inHg) | Report Type | Precip Total (in) | Altimeter Setting (inHg) |
|------|------------|--------------|----------------|------------|----------------------------------|---------------|------|---------------|------|----------------|------|-----------|------------------|----------------|------------------|----------------------|-------------|------------------------|-------------------------|-------------|-------------------|--------------------------|
|      |            |              |                |            | AU   AW   MW                     | (F)           | (C)  | (F)           | (C)  | (F)            | (C)  |           |                  |                |                  |                      |             |                        |                         |             |                   |                          |
| 1    | 2          | 3            | 4              | 5          | 6                                | 7             | 8    | 9             | 10   | 11             | 12   | 13        | 14               | 15             | 16               | 17                   | 18          | 19                     | 20                      | 21          | 22                | 23                       |
| 01   | 0053       | 7            | OVC:08 31      | 10.00      |                                  | 30            | -1.1 | 27            | -2.8 | 20             | -6.7 | 66        | 23               | 330            | 33               | 28.41                |             |                        | 30.30                   | FM-15       | 0.00              | 30.26                    |
| 01   | 0144       | 7            | BKN:07 29      | 10.00      |                                  | 28            | -2.2 | 25            | -3.9 | 20             | -6.7 | 72        | 20               | 330            | 29               | 28.42                |             |                        |                         | FM-16       |                   | 30.27                    |
| 01   | 0153       | 7            | BKN:07 29      | 10.00      |                                  | 28            | -2.2 | 25            | -3.9 | 20             | -6.7 | 72        | 17               | 320            | 26               | 28.43                |             |                        | 30.32                   | FM-15       | 0.00              | 30.28                    |
| 01   | 0201       | 7            | SCT:04 29      | 10.00      |                                  | 28            | -2.2 | 25            | -3.9 | 20             | -6.7 | 72        | 14               | 320            |                  | 28.43                |             |                        |                         | FM-16       |                   | 30.28                    |
| 01   | 0253       | 7            | FEW:02 27      | 10.00      |                                  | 27            | -2.8 | 25            | -3.9 | 20             | -6.7 | 75        | 17               | 330            | 25               | 28.45                | 3           | -0.06                  | 30.35                   | FM-15       | 0.00              | 30.30                    |
| 01   | 0353       | 7            | CLR:00         | 10.00      |                                  | 26            | -3.3 | 24            | -4.4 | 19             | -7.2 | 75        | 15               | 320            |                  | 28.46                |             |                        | 30.36                   | FM-15       | 0.00              | 30.31                    |
| 01   | 0453       | 7            | FEW:02 19      | 10.00      |                                  | 25            | -3.9 | 23            | -5.0 | 19             | -7.2 | 78        | 16               | 330            |                  | 28.48                |             |                        | 30.40                   | FM-15       | 0.00              | 30.34                    |
| 01   | 0510       | 7            | BKN:07 19      | 10.00      |                                  | 25            | -3.9 | 23            | -5.0 | 20             | -6.7 | 81        | 16               | 320            |                  | 28.49                |             |                        |                         | FM-16       |                   | 30.35                    |
| 01   | 0553       | 7            | BKN:07 17      | 10.00      |                                  | 24            | -4.4 | 23            | -5.0 | 20             | -6.7 | 84        | 13               | 340            |                  | 28.52                | 3           | -0.08                  | 30.44                   | FM-15       | 0.00              | 30.38                    |
| 01   | 0605       | 7            | FEW:02 17      | 10.00      |                                  | 23            | -5.0 | 22            | -5.6 | 19             | -7.2 | 85        | 13               | 330            |                  | 28.52                |             |                        |                         | FM-16       |                   | 30.38                    |
| 01   | 0653       | 7            | CLR:00         | 10.00      |                                  | 22            | -5.6 | 21            | -6.1 | 18             | -7.8 | 85        | 11               | 320            |                  | 28.54                |             |                        | 30.46                   | FM-15       | 0.00              | 30.40                    |
| 01   | 0753       | 7            | CLR:00         | 10.00      |                                  | 23            | -5.0 | 22            | -5.6 | 19             | -7.2 | 85        | 13               | 320            |                  | 28.56                |             |                        | 30.49                   | FM-15       | 0.00              | 30.42                    |
| 01   | 0853       | 7            | CLR:00         | 10.00      |                                  | 24            | -4.4 | 22            | -5.6 | 19             | -7.2 | 81        | 10               | 310            |                  | 28.59                | 3           | -0.07                  | 30.52                   | FM-15       | 0.00              | 30.45                    |
| 01   | 0953       | 7            | CLR:00         | 10.00      |                                  | 27            | -2.8 | 24            | -4.4 | 19             | -7.2 | 72        | 8                | 320            |                  | 28.60                |             |                        | 30.53                   | FM-15       | 0.00              | 30.46                    |
| 01   | 1053       | 7            | CLR:00         | 10.00      |                                  | 30            | -1.1 | 27            | -2.8 | 20             | -6.7 | 66        | 7                | 280            |                  | 28.61                |             |                        | 30.54                   | FM-15       | 0.00              | 30.47                    |
| 01   | 1153       | 7            | CLR:00         | 10.00      |                                  | 33            | 0.6  | 28            | -2.2 | 20             | -6.7 | 58        | 8                | 320            |                  | 28.61                | 0           | -0.01                  | 30.53                   | FM-15       | 0.00              | 30.47                    |
| 01   | 1253       | 7            | CLR:00         | 10.00      |                                  | 35            | 1.7  | 29            | -1.7 | 19             | -7.2 | 52        | 6                | 230            |                  | 28.59                |             |                        | 30.52                   | FM-15       | 0.00              | 30.45                    |
| 01   | 1353       | 7            | CLR:00         | 10.00      |                                  | 37            | 2.8  | 31            | -0.6 | 21             | -6.1 | 52        | 7                | 200            |                  | 28.57                |             |                        | 30.49                   | FM-15       | 0.00              | 30.43                    |
| 01   | 1453       | 7            | CLR:00         | 10.00      |                                  | 39            | 3.9  | 31            | -0.6 | 18             | -7.8 | 43        | 8                | 230            |                  | 28.55                | 8           | +0.06                  | 30.47                   | FM-15       | 0.00              | 30.41                    |
| 01   | 1553       | 7            | CLR:00         | 10.00      |                                  | 39            | 3.9  | 32            | 0.0  | 20             | -6.7 | 46        | 9                | 230            |                  | 28.54                |             |                        | 30.46                   | FM-15       | 0.00              | 30.40                    |
| 01   | 1653       | 7            | CLR:00         | 10.00      |                                  | 35            | 1.7  | 30            | -1.1 | 22             | -5.6 | 59        | 8                | 210            |                  | 28.52                |             |                        | 30.45                   | FM-15       | 0.00              | 30.38                    |
| 01   | 1753       | 7            | CLR:00         | 10.00      |                                  | 30            | -1.1 | 27            | -2.8 | 22             | -5.6 | 72        | 8                | 190            |                  | 28.51                | 8           | +0.03                  | 30.45                   | FM-15       | 0.00              | 30.37                    |
| 01   | 1853       | 7            | CLR:00         | 10.00      |                                  | 29            | -1.7 | 27            | -2.8 | 22             | -5.6 | 75        | 6                | 180            |                  | 28.51                |             |                        | 30.44                   | FM-15       | 0.00              | 30.36                    |
| 01   | 1953       | 7            | CLR:00         | 10.00      |                                  | 30            | -1.1 | 27            | -2.8 | 22             | -5.6 | 72        | 9                | 170            |                  | 28.48                |             |                        | 30.41                   | FM-15       | 0.00              | 30.33                    |
| 01   | 2053       | 7            | CLR:00         | 10.00      |                                  | 31            | -0.6 | 28            | -2.2 | 22             | -5.6 | 69        | 10               | 180            |                  | 28.47                | 8           | +0.05                  | 30.39                   | FM-15       | 0.00              | 30.32                    |
| 01   | 2153       | 7            | CLR:00         | 10.00      |                                  | 31            | -0.6 | 28            | -2.2 | 23             | -5.0 | 72        | 11               | 180            |                  | 28.44                |             |                        | 30.36                   | FM-15       | 0.00              | 30.29                    |
| 01   | 2253       | 7            | CLR:00         | 10.00      |                                  | 31            | -0.6 | 28            | -2.2 | 23             | -5.0 | 72        | 11               | 180            |                  | 28.41                |             |                        | 30.32                   | FM-15       | 0.00              | 30.26                    |
| 01   | 2353       | 7            | CLR:00         | 10.00      |                                  | 31            | -0.6 | 28            | -2.2 | 22             | -5.6 | 69        | 9                | 160            |                  | 28.39                | 6           | +0.07                  | 30.30                   | FM-15       | 0.00              | 30.24                    |
| 02   | 0053       | 7            | CLR:00         | 10.00      |                                  | 29            | -1.7 | 27            | -2.8 | 22             | -5.6 | 75        | 9                | 160            |                  | 28.36                |             |                        | 30.28                   | FM-15       | 0.00              | 30.21                    |
| 02   | 0153       | 7            | CLR:00         | 10.00      |                                  | 29            | -1.7 | 27            | -2.8 | 22             | -5.6 | 75        | 7                | 150            |                  | 28.35                |             |                        | 30.26                   | FM-15       | 0.00              | 30.20                    |
| 02   | 0253       | 7            | CLR:00         | 10.00      |                                  | 27            | -2.8 | 25            | -3.9 | 22             | -5.6 | 81        | 6                | 160            |                  | 28.33                | 6           | +0.06                  | 30.24                   | FM-15       | 0.00              | 30.18                    |
| 02   | 0353       | 7            | CLR:00         | 10.00      |                                  | 26            | -3.3 | 24            | -4.4 | 21             | -6.1 | 81        | 0                | 000            |                  | 28.33                |             |                        | 30.24                   | FM-15       | 0.00              | 30.18                    |
| 02   | 0453       | 7            | CLR:00         | 10.00      |                                  | 25            | -3.9 | 24            | -4.4 | 21             | -6.1 | 85        | 0                | 000            |                  | 28.33                |             |                        | 30.24                   | FM-15       | 0.00              | 30.18                    |
| 02   | 0553       | 7            | CLR:00         | 10.00      |                                  | 26            | -3.3 | 25            | -3.9 | 22             | -5.6 | 84        | 3                | 160            |                  | 28.33                | 6           | +0.01                  | 30.25                   | FM-15       | 0.00              | 30.18                    |
| 02   | 0653       | 7            | CLR:00         | 10.00      |                                  | 27            | -2.8 | 26            | -3.3 | 23             | -5.0 | 85        | 0                | 000            |                  | 28.32                |             |                        | 30.24                   | FM-15       | 0.00              | 30.17                    |
| 02   | 0753       | 7            | CLR:00         | 10.00      |                                  | 27            | -2.8 | 26            | -3.3 | 24             | -4.4 | 89        | 0                | 000            |                  | 28.32                |             |                        | 30.24                   | FM-15       | 0.00              | 30.17                    |
| 02   | 0853       | 7            | CLR:00         | 10.00      |                                  | 37            | 2.8  | 34            | 1.1  | 30             | -1.1 | 76        | 5                | 180            |                  | 28.31                | 7           | +0.02                  | 30.22                   | FM-15       | 0.00              | 30.16                    |
| 02   | 0953       | 7            | CLR:00         | 10.00      |                                  | 46            | 7.8  | 40            | 4.4  | 31             | -0.6 | 56        | 6                | 230            |                  | 28.31                |             |                        | 30.20                   | FM-15       | 0.00              | 30.16                    |
| 02   | 1053       | 7            | CLR:00         | 10.00      |                                  | 52            | 11.1 | 42            | 5.6  | 29             | -1.7 | 41        | 8                | 260            |                  | 28.31                |             |                        | 30.19                   | FM-15       | 0.00              | 30.16                    |
| 02   | 1153       | 7            | CLR:00         | 10.00      |                                  | 58            | 14.4 | 45            | 7.2  | 29             | -1.7 | 33        | 9                | 280            |                  | 28.30                | 8           | +0.02                  | 30.16                   | FM-15       | 0.00              | 30.14                    |
| 02   | 1253       | 7            | CLR:00         | 10.00      |                                  | 63            | 17.2 | 47            | 8.3  | 28             | -2.2 | 27        | 13               | 270            |                  | 28.27                |             |                        | 30.14                   | FM-15       | 0.00              | 30.11                    |
| 02   | 1353       | 7            | CLR:00         | 10.00      |                                  | 64            | 17.8 | 47            | 8.3  | 28             | -2.2 | 26        | 14               | 270            |                  | 28.25                |             |                        | 30.11                   | FM-15       | 0.00              | 30.09                    |
| 02   | 1453       | 7            | CLR:00         | 10.00      |                                  | 64            | 17.8 | 47            | 8.3  | 28             | -2.2 | 26        | 15               | 270            |                  | 28.25                | 5           | +0.04                  | 30.12                   | FM-15       | 0.00              | 30.09                    |
| 02   | 1553       | 7            | CLR:00         | 10.00      |                                  | 62            | 16.7 | 48            | 8.9  | 32             | 0.0  | 32        | 9                | 270            |                  | 28.24                |             |                        | 30.11                   | FM-15       | 0.00              | 30.08                    |
| 02   | 1653       | 7            | CLR:00         | 10.00      |                                  | 54            | 12.2 | 45            | 7.2  | 35             | 1.7  | 49        | 6                | 240            |                  | 28.23                |             |                        | 30.11                   | FM-15       | 0.00              | 30.07                    |
| 02   | 1753       | 7            | CLR:00         | 10.00      |                                  | 45            | 7.2  | 40            | 4.4  | 33             | 0.6  | 63        | 7                | 210            |                  | 28.22                | 8           | +0.03                  | 30.11                   | FM-15       | 0.00              | 30.06                    |
| 02   | 1853       | 7            | CLR:00         | 10.00      |                                  | 45            | 7.2  | 40            | 4.4  | 34             | 1.1  | 66        | 8                | 240            |                  | 28.21                |             |                        | 30.10                   | FM-15       | 0.00              | 30.05                    |

## Attachment 1

|    |      |   |        |       |  |     |      |    |      |    |      |    |    |     |  |       |   |       |       |       |      |       |
|----|------|---|--------|-------|--|-----|------|----|------|----|------|----|----|-----|--|-------|---|-------|-------|-------|------|-------|
| 02 | 1953 | 7 | CLR:00 | 10.00 |  | 44  | 6.7  | 39 | 3.9  | 33 | 0.6  | 65 | 3  | 160 |  | 28.20 |   |       | 30.09 | FM-15 | 0.00 | 30.04 |
| 02 | 2053 | 7 | CLR:00 | 10.00 |  | 40  | 4.4  | 37 | 2.8  | 32 | 0.0  | 73 | 6  | 170 |  | 28.18 | 8 | +0.04 | 30.06 | FM-15 | 0.00 | 30.02 |
| 02 | 2153 | 7 | CLR:00 | 10.00 |  | 36  | 2.2  | 34 | 1.1  | 30 | -1.1 | 79 | 6  | 160 |  | 28.17 |   |       | 30.05 | FM-15 | 0.00 | 30.01 |
| 02 | 2253 | 7 | CLR:00 | 10.00 |  | 38  | 3.3  | 35 | 1.7  | 31 | -0.6 | 76 | 5  | 140 |  | 28.16 |   |       | 30.03 | FM-15 | 0.00 | 30.00 |
| 02 | 2353 | 7 | CLR:00 | 10.00 |  | 37  | 2.8  | 34 | 1.1  | 30 | -1.1 | 76 | 6  | 160 |  | 28.14 | 8 | +0.04 | 30.00 | FM-15 | 0.00 | 29.98 |
| 03 | 0053 | 7 | CLR:00 | 10.00 |  | 36  | 2.2  | 34 | 1.1  | 30 | -1.1 | 79 | 6  | 160 |  | 28.12 |   |       | 29.98 | FM-15 | 0.00 | 29.96 |
| 03 | 0153 | 7 | CLR:00 | 10.00 |  | 36  | 2.2  | 33 | 0.6  | 29 | -1.7 | 76 | 6  | 180 |  | 28.10 |   |       | 29.96 | FM-15 | 0.00 | 29.94 |
| 03 | 0253 | 7 | CLR:00 | 10.00 |  | 42  | 5.6  | 37 | 2.8  | 31 | -0.6 | 65 | 9  | 190 |  | 28.09 | 8 | +0.06 | 29.93 | FM-15 | 0.00 | 29.92 |
| 03 | 0353 | 7 | CLR:00 | 10.00 |  | 40  | 4.4  | 36 | 2.2  | 31 | -0.6 | 70 | 8  | 150 |  | 28.07 |   |       | 29.92 | FM-15 | 0.00 | 29.90 |
| 03 | 0453 | 7 | CLR:00 | 10.00 |  | 38  | 3.3  | 35 | 1.7  | 31 | -0.6 | 76 | 7  | 150 |  | 28.06 |   |       | 29.92 | FM-15 | 0.00 | 29.89 |
| 03 | 0553 | 7 | CLR:00 | 10.00 |  | 38  | 3.3  | 35 | 1.7  | 31 | -0.6 | 76 | 7  | 150 |  | 28.05 | 6 | +0.04 | 29.91 | FM-15 | 0.00 | 29.88 |
| 03 | 0653 | 7 | CLR:00 | 10.00 |  | 36  | 2.2  | 34 | 1.1  | 30 | -1.1 | 79 | 8  | 160 |  | 28.03 |   |       | 29.90 | FM-15 | 0.00 | 29.86 |
| 03 | 0753 | 7 | CLR:00 | 10.00 |  | 38  | 3.3  | 35 | 1.7  | 32 | 0.0  | 79 | 8  | 160 |  | 28.03 |   |       | 29.89 | FM-15 | 0.00 | 29.86 |
| 03 | 0853 | 7 | CLR:00 | 10.00 |  | 43  | 6.1  | 39 | 3.9  | 34 | 1.1  | 71 | 8  | 170 |  | 28.03 | 5 | +0.02 | 29.89 | FM-15 | 0.00 | 29.86 |
| 03 | 0953 | 7 | CLR:00 | 10.00 |  | 52  | 11.1 | 45 | 7.2  | 37 | 2.8  | 57 | 7  | 190 |  | 28.03 |   |       | 29.89 | FM-15 | 0.00 | 29.86 |
| 03 | 1053 | 7 | CLR:00 | 10.00 |  | 60  | 15.6 | 49 | 9.4  | 37 | 2.8  | 42 | 8  | 210 |  | 28.02 |   |       | 29.87 | FM-15 | 0.00 | 29.85 |
| 03 | 1153 | 7 | CLR:00 | 10.00 |  | 65  | 18.3 | 51 | 10.6 | 37 | 2.8  | 36 | 13 | 230 |  | 28.01 | 8 | +0.02 | 29.85 | FM-15 | 0.00 | 29.84 |
| 03 | 1253 | 7 | CLR:00 | 10.00 |  | 68  | 20.0 | 53 | 11.7 | 38 | 3.3  | 33 | 9  | 210 |  | 27.99 |   |       | 29.83 | FM-15 | 0.00 | 29.82 |
| 03 | 1353 | 7 | CLR:00 | 10.00 |  | 71  | 21.7 | 53 | 11.7 | 36 | 2.2  | 28 | 11 | 250 |  | 27.98 |   |       | 29.82 | FM-15 | 0.00 | 29.81 |
| 03 | 1453 | 7 | CLR:00 | 10.00 |  | 71  | 21.7 | 52 | 11.1 | 34 | 1.1  | 26 | 11 | 260 |  | 27.97 | 6 | +0.04 | 29.80 | FM-15 | 0.00 | 29.80 |
| 03 | 1553 | 7 | CLR:00 | 10.00 |  | 69  | 20.6 | 52 | 11.1 | 35 | 1.7  | 29 | 9  | 250 |  | 27.98 |   |       | 29.81 | FM-15 | 0.00 | 29.81 |
| 03 | 1653 | 7 | CLR:00 | 10.00 |  | 59  | 15.0 | 48 | 8.9  | 37 | 2.8  | 44 | 7  | 220 |  | 27.98 |   |       | 29.83 | FM-15 | 0.00 | 29.81 |
| 03 | 1753 | 7 | CLR:00 | 10.00 |  | 50  | 10.0 | 43 | 6.1  | 36 | 2.2  | 59 | 7  | 200 |  | 27.98 | 1 | -0.01 | 29.84 | FM-15 | 0.00 | 29.81 |
| 03 | 1853 | 7 | CLR:00 | 10.00 |  | 48  | 8.9  | 43 | 6.1  | 37 | 2.8  | 66 | 7  | 200 |  | 28.00 |   |       | 29.86 | FM-15 | 0.00 | 29.83 |
| 03 | 1953 | 7 | CLR:00 | 10.00 |  | 45  | 7.2  | 41 | 5.0  | 36 | 2.2  | 71 | 5  | 240 |  | 28.01 |   |       | 29.87 | FM-15 | 0.00 | 29.84 |
| 03 | 2053 | 7 | CLR:00 | 10.00 |  | 43  | 6.1  | 39 | 3.9  | 35 | 1.7  | 74 | 6  | 220 |  | 28.01 | 0 | -0.02 | 29.87 | FM-15 | 0.00 | 29.84 |
| 03 | 2153 | 7 | CLR:00 | 10.00 |  | 42  | 5.6  | 39 | 3.9  | 35 | 1.7  | 76 | 5  | 170 |  | 28.02 |   |       | 29.87 | FM-15 | 0.00 | 29.85 |
| 03 | 2253 | 7 | CLR:00 | 10.00 |  | 38  | 3.3  | 36 | 2.2  | 33 | 0.6  | 83 | 6  | 200 |  | 28.02 |   |       | 29.87 | FM-15 | 0.00 | 29.85 |
| 03 | 2353 | 7 | CLR:00 | 10.00 |  | 37  | 2.8  | 35 | 1.7  | 32 | 0.0  | 82 | 0  | 000 |  | 28.03 | 1 | -0.01 | 29.87 | FM-15 | 0.00 | 29.86 |
| 04 | 0053 | 7 | CLR:00 | 10.00 |  | 37  | 2.8  | 35 | 1.7  | 32 | 0.0  | 82 | 0  | 000 |  | 28.03 |   |       | 29.86 | FM-15 | 0.00 | 29.86 |
| 04 | 0153 | 7 | CLR:00 | 10.00 |  | 36  | 2.2  | 34 | 1.1  | 31 | -0.6 | 82 | 3  | 170 |  | 28.03 |   |       | 29.87 | FM-15 | 0.00 | 29.86 |
| 04 | 0253 | 7 | CLR:00 | 10.00 |  | 35  | 1.7  | 33 | 0.6  | 31 | -0.6 | 85 | 0  | 000 |  | 28.03 | 1 | 0.00  | 29.87 | FM-15 | 0.00 | 29.86 |
| 04 | 0353 | 7 | CLR:00 | 10.00 |  | 35  | 1.7  | 33 | 0.6  | 30 | -1.1 | 82 | 5  | 150 |  | 28.03 |   |       | 29.87 | FM-15 | 0.00 | 29.86 |
| 04 | 0453 | 7 | CLR:00 | 10.00 |  | 34  | 1.1  | 32 | 0.0  | 30 | -1.1 | 85 | 0  | 000 |  | 28.04 |   |       | 29.89 | FM-15 | 0.00 | 29.87 |
| 04 | 0553 | 7 | CLR:00 | 10.00 |  | 31  | -0.6 | 30 | -1.1 | 28 | -2.2 | 89 | 0  | 000 |  | 28.04 | 3 | -0.01 | 29.91 | FM-15 | 0.00 | 29.87 |
| 04 | 0653 | 7 | CLR:00 | 10.00 |  | 34  | 1.1  | 32 | 0.0  | 30 | -1.1 | 85 | 5  | 150 |  | 28.06 |   |       | 29.92 | FM-15 | 0.00 | 29.89 |
| 04 | 0753 | 7 | CLR:00 | 10.00 |  | 34  | 1.1  | 32 | 0.0  | 30 | -1.1 | 85 | 5  | 160 |  | 28.07 |   |       | 29.93 | FM-15 | 0.00 | 29.90 |
| 04 | 0853 | 7 | CLR:00 | 10.00 |  | 42  | 5.6  | 39 | 3.9  | 35 | 1.7  | 76 | 6  | 170 |  | 28.08 | 3 | -0.04 | 29.94 | FM-15 | 0.00 | 29.91 |
| 04 | 0953 | 7 | CLR:00 | 10.00 |  | 53  | 11.7 | 46 | 7.8  | 39 | 3.9  | 59 | 5  | 180 |  | 28.08 |   |       | 29.93 | FM-15 | 0.00 | 29.91 |
| 04 | 1053 | 7 | CLR:00 | 10.00 |  | 63  | 17.2 | 50 | 10.0 | 36 | 2.2  | 37 | 8  | 220 |  | 28.08 |   |       | 29.93 | FM-15 | 0.00 | 29.91 |
| 04 | 1153 | 7 | CLR:00 | 10.00 |  | 71  | 21.7 | 53 | 11.7 | 37 | 2.8  | 29 | 10 | 200 |  | 28.08 | 6 | 0.00  | 29.92 | FM-15 | 0.00 | 29.91 |
| 04 | 1253 | 7 | CLR:00 | 10.00 |  | 76  | 24.4 | 53 | 11.7 | 31 | -0.6 | 19 | 11 | 220 |  | 28.07 |   |       | 29.90 | FM-15 | 0.00 | 29.90 |
| 04 | 1353 | 7 | CLR:00 | 10.00 |  | 77s | 77ss | 54 | 12.2 | 32 | 0.0  | 19 | 13 | 220 |  | 28.06 |   |       | 29.89 | FM-15 | 0.00 | 29.89 |
| 04 | 1453 | 7 | CLR:00 | 10.00 |  | 77s | 77ss | 54 | 12.2 | 31 | -0.6 | 18 | 16 | 240 |  | 28.07 | 5 | +0.01 | 29.90 | FM-15 | 0.00 | 29.90 |
| 04 | 1553 | 7 | CLR:00 | 10.00 |  | 71  | 21.7 | 53 | 11.7 | 36 | 2.2  | 28 | 8  | 260 |  | 28.09 |   |       | 29.93 | FM-15 | 0.00 | 29.92 |
| 04 | 1653 | 7 | CLR:00 | 10.00 |  | 61  | 16.1 | 49 | 9.4  | 37 | 2.8  | 41 | 7  | 260 |  | 28.09 |   |       | 29.95 | FM-15 | 0.00 | 29.93 |
| 04 | 1753 | 7 | CLR:00 | 10.00 |  | 62  | 16.7 | 49 | 9.4  | 36 | 2.2  | 38 | 9  | 270 |  | 28.12 | 3 | -0.06 | 29.98 | FM-15 | 0.00 | 29.95 |
| 04 | 1853 | 7 | CLR:00 | 10.00 |  | 61  | 16.1 | 49 | 9.4  | 36 | 2.2  | 39 | 8  | 270 |  | 28.13 |   |       | 29.99 | FM-15 | 0.00 | 29.97 |
| 04 | 1953 | 7 | CLR:00 | 10.00 |  | 51  | 10.6 | 44 | 6.7  | 36 | 2.2  | 56 | 8  | 290 |  | 28.15 |   |       | 30.02 | FM-15 | 0.00 | 29.99 |
| 04 | 2053 | 7 | CLR:00 | 10.00 |  | 59  | 15.0 | 48 | 8.9  | 37 | 2.8  | 44 | 9  | 280 |  | 28.17 | 3 | -0.05 | 30.02 | FM-15 | 0.00 | 30.01 |
| 04 | 2153 | 7 | CLR:00 | 10.00 |  | 51  | 10.6 | 45 | 7.2  | 38 | 3.3  | 61 | 3  | 330 |  | 28.20 |   |       | 30.05 | FM-15 | 0.00 | 30.04 |
| 04 | 2253 | 7 | CLR:00 | 10.00 |  | 50  | 10.0 | 44 | 6.7  | 36 | 2.2  | 59 | 3  | VRB |  | 28.21 |   |       | 30.05 | FM-15 | 0.00 | 30.05 |
| 04 | 2353 | 7 | CLR:00 | 10.00 |  | 46  | 7.8  | 41 | 5.0  | 36 | 2.2  | 68 | 0  | 000 |  | 28.22 | 1 | -0.05 | 30.06 | FM-15 | 0.00 | 30.06 |
| 05 | 0053 | 7 | CLR:00 | 10.00 |  | 43  | 6.1  | 40 | 4.4  | 37 | 2.8  | 80 | 0  | 000 |  | 28.23 |   |       | 30.07 | FM-15 | 0.00 | 30.07 |
| 05 | 0153 | 7 | CLR:00 | 10.00 |  | 43  | 6.1  | 40 | 4.4  | 36 | 2.2  | 76 | 3  | 170 |  | 28.24 |   |       | 30.08 | FM-15 | 0.00 | 30.08 |
| 05 | 0253 | 7 | CLR:00 | 10.00 |  | 42  | 5.6  | 39 | 3.9  | 35 | 1.7  | 76 | 0  | 000 |  | 28.26 | 3 | -0.03 | 30.09 | FM-15 | 0.00 | 30.10 |
| 05 | 0353 | 7 | CLR:00 | 10.00 |  | 40  | 4.4  | 37 | 2.8  | 34 | 1.1  | 79 | 0  | 000 |  | 28.26 |   |       | 30.11 | FM-15 | 0.00 | 30.10 |

## Attachment 1

|    |      |   |        |       |  |    |      |    |      |    |      |    |    |     |    |       |   |       |       |       |      |       |
|----|------|---|--------|-------|--|----|------|----|------|----|------|----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 05 | 0453 | 7 | CLR:00 | 10.00 |  | 38 | 3.3  | 36 | 2.2  | 33 | 0.6  | 83 | 0  | 000 |    | 28.27 |   |       | 30.14 | FM-15 | 0.00 | 30.12 |
| 05 | 0553 | 7 | CLR:00 | 10.00 |  | 34 | 1.1  | 33 | 0.6  | 32 | 0.0  | 92 | 0  | 000 |    | 28.29 | 3 | -0.04 | 30.16 | FM-15 | 0.00 | 30.13 |
| 05 | 0653 | 7 | CLR:00 | 10.00 |  | 35 | 1.7  | 34 | 1.1  | 33 | 0.6  | 93 | 0  | 000 |    | 28.29 |   |       | 30.16 | FM-15 | 0.00 | 30.13 |
| 05 | 0753 | 7 | CLR:00 | 10.00 |  | 34 | 1.1  | 34 | 1.1  | 33 | 0.6  | 97 | 0  | 000 |    | 28.30 |   |       | 30.18 | FM-15 | 0.00 | 30.14 |
| 05 | 0853 | 7 | CLR:00 | 10.00 |  | 42 | 5.6  | 41 | 5.0  | 39 | 3.9  | 89 | 0  | 000 |    | 28.31 | 3 | -0.03 | 30.18 | FM-15 | 0.00 | 30.16 |
| 05 | 0953 | 7 | CLR:00 | 10.00 |  | 50 | 10.0 | 45 | 7.2  | 39 | 3.9  | 66 | 3  | 200 |    | 28.32 |   |       | 30.19 | FM-15 | 0.00 | 30.17 |
| 05 | 1053 | 7 | CLR:00 | 10.00 |  | 56 | 13.3 | 48 | 8.9  | 40 | 4.4  | 55 | 7  | 210 |    | 28.31 |   |       | 30.17 | FM-15 | 0.00 | 30.16 |
| 05 | 1153 | 7 | CLR:00 | 10.00 |  | 63 | 17.2 | 50 | 10.0 | 38 | 3.3  | 40 | 8  | 190 |    | 28.27 | 8 | +0.04 | 30.12 | FM-15 | 0.00 | 30.11 |
| 05 | 1253 | 7 | CLR:00 | 10.00 |  | 67 | 19.4 | 53 | 11.7 | 40 | 4.4  | 37 | 11 | 200 |    | 28.26 |   |       | 30.10 | FM-15 | 0.00 | 30.10 |
| 05 | 1353 | 7 | CLR:00 | 10.00 |  | 68 | 20.0 | 53 | 11.7 | 39 | 3.9  | 35 | 13 | 220 |    | 28.23 |   |       | 30.08 | FM-15 | 0.00 | 30.07 |
| 05 | 1453 | 6 | CLR:00 | 10.00 |  | 67 | 19.4 | 53 | 11.7 | 41 | 5.0  | 39 | 10 | 200 |    | 28.22 | 6 | +0.06 | 30.06 | FM-15 | 0.00 | 30.06 |
| 05 | 1553 | 7 | CLR:00 | 10.00 |  | 66 | 18.9 | 53 | 11.7 | 41 | 5.0  | 40 | 10 | 200 |    | 28.20 |   |       | 30.06 | FM-15 | 0.00 | 30.04 |
| 05 | 1653 | 7 | CLR:00 | 10.00 |  | 58 | 14.4 | 50 | 10.0 | 42 | 5.6  | 56 | 10 | 170 |    | 28.18 |   |       | 30.04 | FM-15 | 0.00 | 30.02 |
| 05 | 1753 | 7 | CLR:00 | 10.00 |  | 56 | 13.3 | 48 | 8.9  | 41 | 5.0  | 57 | 10 | 180 |    | 28.17 | 6 | +0.04 | 30.04 | FM-15 | 0.00 | 30.01 |
| 05 | 1853 | 7 | CLR:00 | 10.00 |  | 54 | 12.2 | 48 | 8.9  | 41 | 5.0  | 62 | 8  | 180 |    | 28.16 |   |       | 30.02 | FM-15 | 0.00 | 30.00 |
| 05 | 1953 | 7 | CLR:00 | 10.00 |  | 55 | 12.8 | 48 | 8.9  | 41 | 5.0  | 59 | 11 | 180 |    | 28.14 |   |       | 30.00 | FM-15 | 0.00 | 29.98 |
| 05 | 2053 | 7 | CLR:00 | 10.00 |  | 55 | 12.8 | 48 | 8.9  | 40 | 4.4  | 57 | 10 | 190 |    | 28.12 | 8 | +0.05 | 29.97 | FM-15 | 0.00 | 29.96 |
| 05 | 2153 | 7 | CLR:00 | 10.00 |  | 56 | 13.3 | 48 | 8.9  | 40 | 4.4  | 55 | 13 | 190 |    | 28.12 |   |       | 29.97 | FM-15 | 0.00 | 29.96 |
| 05 | 2253 | 7 | CLR:00 | 10.00 |  | 52 | 11.1 | 46 | 7.8  | 40 | 4.4  | 64 | 11 | 170 |    | 28.12 |   |       | 29.96 | FM-15 | 0.00 | 29.95 |
| 05 | 2353 | 7 | CLR:00 | 10.00 |  | 53 | 11.7 | 47 | 8.3  | 40 | 4.4  | 61 | 9  | 170 |    | 28.10 | 8 | +0.01 | 29.94 | FM-15 | 0.00 | 29.94 |
| 06 | 0053 | 7 | CLR:00 | 10.00 |  | 54 | 12.2 | 47 | 8.3  | 39 | 3.9  | 57 | 13 | 170 |    | 28.09 |   |       | 29.92 | FM-15 | 0.00 | 29.93 |
| 06 | 0153 | 7 | CLR:00 | 10.00 |  | 54 | 12.2 | 46 | 7.8  | 38 | 3.3  | 55 | 13 | 170 |    | 28.08 |   |       | 29.90 | FM-15 | 0.00 | 29.91 |
| 06 | 0253 | 7 | CLR:00 | 10.00 |  | 53 | 11.7 | 46 | 7.8  | 38 | 3.3  | 57 | 11 | 170 |    | 28.07 | 6 | +0.04 | 29.89 | FM-15 | 0.00 | 29.90 |
| 06 | 0353 | 7 | CLR:00 | 10.00 |  | 50 | 10.0 | 44 | 6.7  | 38 | 3.3  | 63 | 11 | 170 |    | 28.04 |   |       | 29.87 | FM-15 | 0.00 | 29.87 |
| 06 | 0453 | 7 | CLR:00 | 10.00 |  | 49 | 9.4  | 44 | 6.7  | 38 | 3.3  | 66 | 10 | 170 |    | 28.03 |   |       | 29.87 | FM-15 | 0.00 | 29.86 |
| 06 | 0553 | 7 | CLR:00 | 10.00 |  | 48 | 8.9  | 43 | 6.1  | 37 | 2.8  | 66 | 11 | 170 |    | 28.02 | 6 | +0.04 | 29.86 | FM-15 | 0.00 | 29.85 |
| 06 | 0653 | 7 | CLR:00 | 10.00 |  | 48 | 8.9  | 43 | 6.1  | 37 | 2.8  | 66 | 8  | 190 |    | 28.01 |   |       | 29.85 | FM-15 | 0.00 | 29.84 |
| 06 | 0753 | 7 | CLR:00 | 10.00 |  | 50 | 10.0 | 44 | 6.7  | 37 | 2.8  | 61 | 11 | 170 |    | 28.00 |   |       | 29.84 | FM-15 | 0.00 | 29.83 |
| 06 | 0853 | 7 | CLR:00 | 10.00 |  | 54 | 12.2 | 46 | 7.8  | 37 | 2.8  | 53 | 14 | 180 |    | 28.00 | 5 | +0.02 | 29.84 | FM-15 | 0.00 | 29.83 |
| 06 | 0953 | 7 | CLR:00 | 10.00 |  | 60 | 15.6 | 49 | 9.4  | 37 | 2.8  | 42 | 11 | 180 |    | 27.99 |   |       | 29.82 | FM-15 | 0.00 | 29.82 |
| 06 | 1053 | 7 | CLR:00 | 10.00 |  | 65 | 18.3 | 51 | 10.6 | 37 | 2.8  | 36 | 11 | 180 |    | 27.98 |   |       | 29.81 | FM-15 | 0.00 | 29.81 |
| 06 | 1153 | 7 | CLR:00 | 10.00 |  | 70 | 21.1 | 52 | 11.1 | 35 | 1.7  | 28 | 15 | 190 | 26 | 27.95 | 8 | +0.05 | 29.77 | FM-15 | 0.00 | 29.78 |
| 06 | 1253 | 7 | CLR:00 | 10.00 |  | 73 | 22.8 | 53 | 11.7 | 34 | 1.1  | 24 | 18 | 190 | 29 | 27.92 |   |       | 29.74 | FM-15 | 0.00 | 29.75 |
| 06 | 1353 | 7 | CLR:00 | 10.00 |  | 74 | 23.3 | 54 | 12.2 | 34 | 1.1  | 23 | 20 | 190 | 33 | 27.90 |   |       | 29.70 | FM-15 | 0.00 | 29.72 |
| 06 | 1453 | 7 | CLR:00 | 10.00 |  | 73 | 22.8 | 53 | 11.7 | 34 | 1.1  | 24 | 14 | 170 | 25 | 27.88 | 6 | +0.08 | 29.69 | FM-15 | 0.00 | 29.70 |
| 06 | 1553 | 7 | CLR:00 | 10.00 |  | 73 | 22.8 | 53 | 11.7 | 34 | 1.1  | 24 | 11 | 190 |    | 27.89 |   |       | 29.70 | FM-15 | 0.00 | 29.71 |
| 06 | 1653 | 7 | CLR:00 | 10.00 |  | 71 | 21.7 | 51 | 10.6 | 31 | -0.6 | 23 | 13 | 190 |    | 27.88 |   |       | 29.70 | FM-15 | 0.00 | 29.70 |
| 06 | 1753 | 7 | CLR:00 | 10.00 |  | 65 | 18.3 | 49 | 9.4  | 32 | 0.0  | 29 | 9  | 180 |    | 27.89 | 1 | -0.01 | 29.71 | FM-15 | 0.00 | 29.71 |
| 06 | 1853 | 7 | CLR:00 | 10.00 |  | 64 | 17.8 | 49 | 9.4  | 33 | 0.6  | 32 | 14 | 180 |    | 27.89 |   |       | 29.72 | FM-15 | 0.00 | 29.71 |
| 06 | 1953 | 7 | CLR:00 | 10.00 |  | 64 | 17.8 | 49 | 9.4  | 34 | 1.1  | 33 | 15 | 180 |    | 27.89 |   |       | 29.71 | FM-15 | 0.00 | 29.71 |
| 06 | 2053 | 7 | CLR:00 | 10.00 |  | 63 | 17.2 | 50 | 10.0 | 37 | 2.8  | 38 | 16 | 180 | 29 | 27.88 | 8 | +0.01 | 29.70 | FM-15 | 0.00 | 29.70 |
| 06 | 2153 | 7 | CLR:00 | 10.00 |  | 63 | 17.2 | 51 | 10.6 | 39 | 3.9  | 41 | 17 | 190 | 29 | 27.88 |   |       | 29.69 | FM-15 | 0.00 | 29.70 |
| 06 | 2253 | 7 | CLR:00 | 10.00 |  | 61 | 16.1 | 50 | 10.0 | 40 | 4.4  | 46 | 16 | 190 |    | 27.89 |   |       | 29.70 | FM-15 | 0.00 | 29.71 |
| 06 | 2353 | 7 | CLR:00 | 10.00 |  | 61 | 16.1 | 52 | 11.1 | 43 | 6.1  | 52 | 14 | 190 | 24 | 27.88 | 0 | 0.00  | 29.68 | FM-15 | 0.00 | 29.70 |
| 07 | 0053 | 7 | CLR:00 | 10.00 |  | 60 | 15.6 | 52 | 11.1 | 45 | 7.2  | 58 | 14 | 190 |    | 27.89 |   |       | 29.69 | FM-15 | 0.00 | 29.71 |
| 07 | 0153 | 7 | CLR:00 | 10.00 |  | 59 | 15.0 | 52 | 11.1 | 46 | 7.8  | 62 | 11 | 180 |    | 27.89 |   |       | 29.69 | FM-15 | 0.00 | 29.71 |
| 07 | 0253 | 7 | CLR:00 | 10.00 |  | 56 | 13.3 | 52 | 11.1 | 48 | 8.9  | 75 | 13 | 180 |    | 27.90 | 3 | -0.01 | 29.70 | FM-15 | 0.00 | 29.72 |
| 07 | 0353 | 7 | CLR:00 | 10.00 |  | 56 | 13.3 | 52 | 11.1 | 49 | 9.4  | 77 | 13 | 170 |    | 27.89 |   |       | 29.69 | FM-15 | 0.00 | 29.71 |
| 07 | 0453 | 7 | CLR:00 | 10.00 |  | 56 | 13.3 | 53 | 11.7 | 51 | 10.6 | 84 | 13 | 170 |    | 27.89 |   |       | 29.69 | FM-15 | 0.00 | 29.71 |
| 07 | 0553 | 7 | CLR:00 | 10.00 |  | 54 | 12.2 | 52 | 11.1 | 51 | 10.6 | 90 | 13 | 160 |    | 27.89 | 5 | +0.01 | 29.70 | FM-15 | 0.00 | 29.71 |
| 07 | 0653 | 7 | CLR:00 | 10.00 |  | 53 | 11.7 | 52 | 11.1 | 51 | 10.6 | 93 | 11 | 170 |    | 27.89 |   |       | 29.71 | FM-15 | 0.00 | 29.71 |
| 07 | 0753 | 7 | CLR:00 | 8.00  |  | 53 | 11.7 | 52 | 11.1 | 51 | 10.6 | 93 | 11 | 160 |    | 27.89 |   |       | 29.70 | FM-15 | 0.00 | 29.71 |
| 07 | 0853 | 7 | CLR:00 | 10.00 |  | 56 | 13.3 | 54 | 12.2 | 52 | 11.1 | 87 | 10 | 160 |    | 27.89 | 2 | 0.00  | 29.70 | FM-15 | 0.00 | 29.71 |
| 07 | 0953 | 7 | CLR:00 | 10.00 |  | 60 | 15.6 | 56 | 13.3 | 52 | 11.1 | 75 | 18 | 180 | 28 | 27.88 |   |       | 29.69 | FM-15 | 0.00 | 29.70 |
| 07 | 1053 | 7 | CLR:00 | 10.00 |  | 64 | 17.8 | 57 | 13.9 | 52 | 11.1 | 65 | 21 | 180 | 29 | 27.86 |   |       | 29.67 | FM-15 | 0.00 | 29.68 |
| 07 | 1153 | 7 | CLR:00 | 10.00 |  | 63 | 17.2 | 56 | 13.3 | 51 | 10.6 | 65 | 16 | 180 | 26 | 27.84 | 8 | +0.05 | 29.65 | FM-15 | 0.00 | 29.66 |
| 07 | 1253 | 7 | CLR:00 | 10.00 |  | 65 | 18.3 | 57 | 13.9 | 51 | 10.6 | 61 | 16 | 190 | 29 | 27.83 |   |       | 29.63 | FM-15 | 0.00 | 29.65 |

## Attachment 1

|    |      |   |                                      |       |                     |    |      |    |      |    |      |    |    |     |    |       |   |       |       |       |      |       |
|----|------|---|--------------------------------------|-------|---------------------|----|------|----|------|----|------|----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 07 | 1353 | 7 | CLR:00                               | 10.00 |                     | 70 | 21.1 | 59 | 15.0 | 51 | 10.6 | 51 | 15 | 180 | 29 | 27.81 |   |       | 29.61 | FM-15 | 0.00 | 29.63 |
| 07 | 1453 | 7 | CLR:00                               | 10.00 |                     | 70 | 21.1 | 59 | 15.0 | 51 | 10.6 | 51 | 10 | 180 |    | 27.79 | 8 | +0.05 | 29.59 | FM-15 | 0.00 | 29.61 |
| 07 | 1553 | 7 | CLR:00                               | 10.00 |                     | 69 | 20.6 | 58 | 14.4 | 50 | 10.0 | 51 | 11 | 180 |    | 27.79 |   |       | 29.59 | FM-15 | 0.00 | 29.61 |
| 07 | 1653 | 7 | CLR:00                               | 10.00 |                     | 66 | 18.9 | 57 | 13.9 | 51 | 10.6 | 59 | 16 | 170 | 28 | 27.78 |   |       | 29.59 | FM-15 | 0.00 | 29.60 |
| 07 | 1753 | 7 | CLR:00                               | 10.00 |                     | 65 | 18.3 | 57 | 13.9 | 51 | 10.6 | 61 | 24 | 170 | 31 | 27.78 | 5 | +0.01 | 29.59 | FM-15 | 0.00 | 29.60 |
| 07 | 1853 | 7 | CLR:00                               | 10.00 |                     | 63 | 17.2 | 56 | 13.3 | 51 | 10.6 | 65 | 20 | 170 |    | 27.80 |   |       | 29.61 | FM-15 | 0.00 | 29.62 |
| 07 | 1953 | 7 | CLR:00                               | 10.00 |                     | 63 | 17.2 | 56 | 13.3 | 51 | 10.6 | 65 | 18 | 170 | 31 | 27.80 |   |       | 29.61 | FM-15 | 0.00 | 29.62 |
| 07 | 2053 | 7 | CLR:00                               | 10.00 |                     | 63 | 17.2 | 56 | 13.3 | 50 | 10.0 | 63 | 23 | 170 | 34 | 27.79 | 0 | -0.01 | 29.60 | FM-15 | 0.00 | 29.61 |
| 07 | 2153 | 7 | CLR:00                               | 10.00 |                     | 63 | 17.2 | 56 | 13.3 | 51 | 10.6 | 65 | 22 | 170 | 37 | 27.79 |   |       | 29.59 | FM-15 | 0.00 | 29.61 |
| 07 | 2253 | 7 | CLR:00                               | 10.00 |                     | 62 | 16.7 | 56 | 13.3 | 51 | 10.6 | 67 | 22 | 170 | 32 | 27.78 |   |       | 29.59 | FM-15 | 0.00 | 29.60 |
| 07 | 2353 | 7 | CLR:00                               | 10.00 |                     | 61 | 16.1 | 56 | 13.3 | 52 | 11.1 | 72 | 24 | 160 | 34 | 27.78 | 6 | +0.01 | 29.59 | FM-15 | 0.00 | 29.60 |
| 08 | 0053 | 7 | CLR:00                               | 10.00 |                     | 60 | 15.6 | 56 | 13.3 | 52 | 11.1 | 75 | 25 | 160 | 36 | 27.78 |   |       | 29.58 | FM-15 | 0.00 | 29.60 |
| 08 | 0153 | 7 | CLR:00                               | 10.00 |                     | 58 | 14.4 | 55 | 12.8 | 52 | 11.1 | 81 | 21 | 170 | 31 | 27.77 |   |       | 29.57 | FM-15 | 0.00 | 29.59 |
| 08 | 0253 | 7 | CLR:00                               | 10.00 |                     | 58 | 14.4 | 55 | 12.8 | 52 | 11.1 | 81 | 25 | 170 | 37 | 27.77 | 6 | +0.01 | 29.57 | FM-15 | 0.00 | 29.59 |
| 08 | 0353 | 7 | CLR:00                               | 10.00 |                     | 57 | 13.9 | 54 | 12.2 | 52 | 11.1 | 83 | 21 | 160 | 31 | 27.78 |   |       | 29.59 | FM-15 | 0.00 | 29.60 |
| 08 | 0453 | 7 | CLR:00                               | 10.00 |                     | 56 | 13.3 | 53 | 11.7 | 51 | 10.6 | 84 | 20 | 160 | 33 | 27.79 |   |       | 29.59 | FM-15 | 0.00 | 29.61 |
| 08 | 0553 | 7 | CLR:00                               | 10.00 |                     | 56 | 13.3 | 53 | 11.7 | 50 | 10.0 | 81 | 25 | 160 | 36 | 27.78 | 0 | -0.01 | 29.58 | FM-15 | 0.00 | 29.60 |
| 08 | 0653 | 7 | CLR:00                               | 10.00 |                     | 56 | 13.3 | 52 | 11.1 | 48 | 8.9  | 75 | 30 | 160 | 43 | 27.78 |   |       | 29.59 | FM-15 | 0.00 | 29.60 |
| 08 | 0753 | 7 | CLR:00                               | 10.00 |                     | 56 | 13.3 | 52 | 11.1 | 48 | 8.9  | 75 | 29 | 170 | 43 | 27.80 |   |       | 29.61 | FM-15 | 0.00 | 29.62 |
| 08 | 0853 | 7 | CLR:00                               | 10.00 |                     | 58 | 14.4 | 53 | 11.7 | 48 | 8.9  | 70 | 28 | 170 | 40 | 27.79 | 0 | -0.01 | 29.60 | FM-15 | 0.00 | 29.61 |
| 08 | 0953 | 7 | CLR:00                               | 10.00 |                     | 61 | 16.1 | 55 | 12.8 | 50 | 10.0 | 67 | 31 | 170 | 45 | 27.77 |   |       | 29.58 | FM-15 | 0.00 | 29.59 |
| 08 | 1053 | 7 | CLR:00                               | 10.00 |                     | 64 | 17.8 | 56 | 13.3 | 50 | 10.0 | 60 | 36 | 160 | 52 | 27.75 |   |       | 29.56 | FM-15 | 0.00 | 29.57 |
| 08 | 1153 | 7 | CLR:00                               | 10.00 |                     | 67 | 19.4 | 58 | 14.4 | 51 | 10.6 | 57 | 37 | 170 | 54 | 27.73 | 6 | +0.06 | 29.54 | FM-15 | 0.00 | 29.55 |
| 08 | 1253 | 7 | CLR:00                               | 10.00 |                     | 69 | 20.6 | 59 | 15.0 | 51 | 10.6 | 53 | 30 | 170 | 52 | 27.74 |   |       | 29.54 | FM-15 | 0.00 | 29.56 |
| 08 | 1353 | 7 | OVC:08 42                            | 10.00 |                     | 68 | 20.0 | 59 | 15.0 | 52 | 11.1 | 57 | 28 | 180 | 48 | 27.76 |   |       | 29.57 | FM-15 | 0.00 | 29.58 |
| 08 | 1453 | 7 | OVC:08 46                            | 10.00 |                     | 66 | 18.9 | 58 | 14.4 | 52 | 11.1 | 61 | 31 | 200 | 41 | 27.79 | 3 | -0.05 | 29.60 | FM-15 | 0.00 | 29.61 |
| 08 | 1553 | 7 | BKN:07 55<br>BKN:07 80               | 10.00 |                     | 67 | 19.4 | 58 | 14.4 | 52 | 11.1 | 59 | 24 | 190 | 38 | 27.81 |   |       | 29.62 | FM-15 | 0.00 | 29.63 |
| 08 | 1653 | 7 | BKN:07 65<br>BKN:07 75               | 10.00 |                     | 66 | 18.9 | 58 | 14.4 | 52 | 11.1 | 61 | 17 | 180 | 29 | 27.83 |   |       | 29.64 | FM-15 | 0.00 | 29.65 |
| 08 | 1715 | 7 | FEW:02 39<br>OVC:08 60               | 9.00  | -RA:02  RA  RA      | 59 | 15.0 | 55 | 12.8 | 52 | 11.1 | 78 | 15 | 240 | 24 | 27.85 |   |       |       | FM-16 | 0.02 | 29.67 |
| 08 | 1753 | 7 | BKN:07 45<br>BKN:07 60<br>OVC:08 80  | 10.00 |                     | 56 | 13.3 | 51 | 10.6 | 47 | 8.3  | 72 | 6  | 240 |    | 27.87 | 3 | -0.08 | 29.70 | FM-15 | 0.02 | 29.69 |
| 08 | 1853 | 7 | SCT:04 46<br>BKN:07 80<br>OVC:08 120 | 10.00 |                     | 56 | 13.3 | 51 | 10.6 | 47 | 8.3  | 72 | 3  | 170 |    | 27.88 |   |       | 29.70 | FM-15 | 0.00 | 29.70 |
| 08 | 1950 | 7 | BKN:07 46<br>BKN:07 50<br>OVC:08 70  | 1.75  | +RA:02 BR:1  RA  RA | 52 | 11.1 | 50 | 10.0 | 48 | 8.9  | 88 | 9  | 220 |    | 27.92 |   |       |       | FM-16 | 0.11 | 29.75 |
| 08 | 1953 | 7 | BKN:07 46<br>BKN:07 50<br>OVC:08 65  | 1.50  | +RA:02 BR:1  RA  RA | 52 | 11.1 | 50 | 10.0 | 49 | 9.4  | 89 | 7  | 210 |    | 27.92 |   |       | 29.75 | FM-15 | 0.13 | 29.75 |
| 08 | 1959 | 7 | BKN:07 46<br>OVC:08 70               | 3.00  | -RA:02 BR:1  RA  RA | 52 | 11.1 | 50 | 10.0 | 49 | 9.4  | 89 | 5  | 200 |    | 27.91 |   |       |       | FM-16 | T    | 29.74 |
| 08 | 2053 | 7 | FEW:02 40<br>BKN:07 70<br>OVC:08 85  | 10.00 |                     | 51 | 10.6 | 50 | 10.0 | 49 | 9.4  | 92 | 7  | 220 |    | 27.94 | 3 | -0.06 | 29.76 | FM-15 | 0.04 | 29.76 |
| 08 | 2153 | 7 | SCT:04 50<br>BKN:07 70<br>OVC:08 90  | 10.00 | -RA:02  RA  RA      | 50 | 10.0 | 49 | 9.4  | 48 | 8.9  | 93 | 3  | 030 |    | 27.94 |   |       | 29.76 | FM-15 | T    | 29.76 |
| 08 | 2253 | 7 | OVC:08 80                            | 10.00 |                     | 48 | 8.9  | 46 | 7.8  | 44 | 6.7  | 86 | 13 | 330 |    | 27.97 |   |       | 29.80 | FM-15 | 0.01 | 29.80 |
| 08 | 2353 | 7 | BKN:07 70<br>BKN:07 90<br>OVC:08 110 | 10.00 |                     | 45 | 7.2  | 43 | 6.1  | 41 | 5.0  | 86 | 11 | 340 |    | 27.99 | 3 | -0.06 | 29.83 | FM-15 | 0.01 | 29.82 |
| 09 | 0053 | 7 | OVC:08 60                            | 4.00  | +RA:02 BR:1  RA  RA | 40 | 4.4  | 39 | 3.9  | 38 | 3.3  | 93 | 11 | 340 |    | 28.02 |   |       | 29.86 | FM-15 | 0.21 | 29.85 |
| 09 | 0153 | 7 | BKN:07 75<br>OVC:08 100              | 10.00 | -RA:02  RA  RA      | 39 | 3.9  | 38 | 3.3  | 37 | 2.8  | 93 | 14 | 020 |    | 27.97 |   |       | 29.81 | FM-15 | 0.11 | 29.80 |

## Attachment 1

|    |      |   |                                     |       |                        |    |      |    |      |    |      |     |    |     |    |       |   |       |       |       |      |       |
|----|------|---|-------------------------------------|-------|------------------------|----|------|----|------|----|------|-----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 09 | 0253 | 7 | BKN:07 40<br>BKN:07 65<br>OVC:08 80 | 7.00  | -RA:02  RA  RA         | 39 | 3.9  | 38 | 3.3  | 37 | 2.8  | 93  | 11 | 010 |    | 27.97 | 8 | +0.02 | 29.80 | FM-15 | 0.01 | 29.80 |
| 09 | 0351 | 6 | SCT:04 8<br>BKN:07 21<br>OVC:08 40  | 5.00  | -RA:02 BR:1  RA  RA    | 37 | 2.8  | 37 | 2.8  | 37 | 2.8  | 100 | 16 | 020 | 23 | 27.96 |   |       |       | FM-16 |      | 29.79 |
| 09 | 0353 | 7 | SCT:04 8<br>BKN:07 21<br>OVC:08 75  | 6.00  | -RA:02 BR:1  RA  RA    | 38 | 3.3  | 37 | 2.8  | 36 | 2.2  | 93  | 20 | 030 | 25 | 27.95 |   |       | 29.78 | FM-15 | 0.05 | 29.78 |
| 09 | 0400 | 7 | FEW:02 8<br>BKN:07 38<br>OVC:08 70  | 6.00  | -RA:02 BR:1  RA  RA    | 37 | 2.8  | 36 | 2.2  | 35 | 1.7  | 93  | 17 | 030 |    | 27.94 |   |       |       | FM-16 | 0.01 | 29.77 |
| 09 | 0430 | 7 | BKN:07 19<br>BKN:07 35<br>OVC:08 70 | 4.00  | RA:02 BR:1  RA  RA     | 36 | 2.2  | 35 | 1.7  | 33 | 0.6  | 89  | 10 | 020 |    | 27.99 |   |       |       | FM-16 | 0.08 | 29.82 |
| 09 | 0453 | 7 | OVC:08 21                           | 5.00  | -RA:02 BR:1  RA  RA    | 35 | 1.7  | 34 | 1.1  | 32 | 0.0  | 89  | 15 | 360 |    | 27.96 |   |       | 29.81 | FM-15 | 0.12 | 29.79 |
| 09 | 0511 | 7 | FEW:02 9<br>BKN:07 21<br>OVC:08 36  | 6.00  | -RA:02 BR:1  RA  RA    | 35 | 1.7  | 34 | 1.1  | 33 | 0.6  | 93  | 20 | 330 | 25 | 27.99 |   |       |       | FM-16 | 0.02 | 29.82 |
| 09 | 0530 | 7 | FEW:02 9<br>SCT:04 21<br>OVC:08 40  | 5.00  | -SN:03 BR:1  SN        | 33 | 0.6  | 32 | 0.0  | 31 | -0.6 | 92  | 20 | 010 | 25 | 27.94 |   |       |       | FM-16 | 0.07 | 29.77 |
| 09 | 0553 | 7 | OVC:08 41                           | 10.00 | UP:09                  | 33 | 0.6  | 32 | 0.0  | 31 | -0.6 | 92  | 21 | 360 | 28 | 27.96 | 3 | -0.01 | 29.82 | FM-15 | 0.07 | 29.79 |
| 09 | 0607 | 7 | FEW:02 9<br>BKN:07 21<br>OVC:08 41  | 7.00  | -RA:02  RA  RA         | 33 | 0.6  | 33 | 0.6  | 32 | 0.0  | 96  | 21 | 340 | 24 | 27.98 |   |       |       | FM-16 | 0.01 | 29.81 |
| 09 | 0628 | 7 | FEW:02 8<br>SCT:04 13<br>OVC:08 25  | 4.00  | FZ:8 RA:02 BR:1  FZRA  | 33 | 0.6  | 32 | 0.0  | 31 | -0.6 | 92  | 23 | 310 | 34 | 28.03 |   |       |       | FM-16 | 0.05 | 29.86 |
| 09 | 0651 | 6 | SCT:04 10<br>BKN:07 28<br>OVC:08 41 | 4.00  | -FZ:8 RA:02 BR:1  FZRA | 32 | 0.0  | 30 | -1.1 | 28 | -2.2 | 87  | 22 | 330 | 31 | 28.00 |   |       |       | FM-16 |      | 29.83 |
| 09 | 0653 | 7 | SCT:04 12<br>SCT:04 28<br>OVC:08 43 | 5.00  | -FZ:8 RA:02 BR:1  FZRA | 32 | 0.0  | 31 | -0.6 | 29 | -1.7 | 88  | 22 | 340 | 31 | 27.98 |   |       | 29.84 | FM-15 | 0.10 | 29.81 |
| 09 | 0716 | 7 | OVC:08 55                           | 10.00 |                        | 31 | -0.6 | 30 | -1.1 | 28 | -2.2 | 89  | 20 | 350 | 31 | 27.96 |   |       |       | FM-16 | T    | 29.79 |
| 09 | 0749 | 7 | SCT:04 31<br>OVC:08 46              | 7.00  | FZ:8 RA:02  FZRA       | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 86  | 28 | 330 | 34 | 28.02 |   |       |       | FM-16 | 0.01 | 29.85 |
| 09 | 0753 | 7 | SCT:04 31<br>OVC:08 45              | 5.00  | FZ:8 RA:02 BR:1  FZRA  | 30 | -1.1 | 29 | -1.7 | 27 | -2.8 | 88  | 23 | 330 | 34 | 28.01 |   |       | 29.88 | FM-15 | 0.02 | 29.84 |
| 09 | 0757 | 7 | FEW:02 30<br>BKN:07 39<br>OVC:08 47 | 4.00  | -SN:03 BR:1  SN        | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92  | 24 | 320 | 34 | 28.02 |   |       |       | FM-16 | T    | 29.85 |
| 09 | 0827 | 7 | FEW:02 9<br>OVC:08 47               | 4.00  | -SN:03 BR:1  SN        | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92  | 22 | 340 | 30 | 27.98 |   |       |       | FM-16 | 0.01 | 29.81 |
| 09 | 0853 | 7 | SCT:04 9<br>OVC:08 49               | 10.00 |                        | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96  | 18 | 340 |    | 27.98 | 0 | -0.02 | 29.84 | FM-15 | 0.01 | 29.81 |
| 09 | 0900 | 7 | BKN:07 8<br>OVC:08 49               | 10.00 |                        | 30 | -1.1 | 29 | -1.7 | 28 | -2.2 | 92  | 21 | 340 | 28 | 27.99 |   |       |       | FM-16 |      | 29.82 |
| 09 | 0920 | 7 | OVC:08 8                            | 4.00  | FZ:8 RA:02 BR:1  FZRA  | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96  | 22 | 320 | 36 | 28.01 |   |       |       | FM-16 | 0.02 | 29.84 |
| 09 | 0927 | 7 | OVC:08 8                            | 2.00  | -FZ:8 RA:02 BR:1  FZRA | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96  | 22 | 320 | 36 | 28.02 |   |       |       | FM-16 | 0.03 | 29.85 |
| 09 | 0939 | 7 | OVC:08 8                            | 3.00  | FZ:8 RA:02 BR:1  FZRA  | 30 | -1.1 | 30 | -1.1 | 29 | -1.7 | 96  | 16 | 320 | 33 | 28.01 |   |       |       | FM-16 | 0.05 | 29.84 |
| 09 | 0953 | 7 | OVC:08 9                            | 10.00 |                        | 29 | -1.7 | 29 | -1.7 | 28 | -2.2 | 96  | 17 | 330 | 28 | 28.00 |   |       | 29.87 | FM-15 | 0.05 | 29.83 |
| 09 | 1029 | 7 | BKN:07 10<br>OVC:08 20              | 10.00 |                        | 29 | -1.7 | 28 | -2.2 | 26 | -3.3 | 89  | 18 | 330 |    | 28.02 |   |       |       | FM-16 |      | 29.85 |
| 09 | 1053 | 7 | OVC:08 10                           | 10.00 |                        | 28 | -2.2 | 27 | -2.8 | 26 | -3.3 | 92  | 21 | 320 | 28 | 28.03 |   |       | 29.90 | FM-15 | 0.00 | 29.86 |
| 09 | 1153 | 7 | BKN:07 10<br>OVC:08 26              | 10.00 |                        | 27 | -2.8 | 26 | -3.3 | 25 | -3.9 | 92  | 17 | 310 |    | 28.04 | 1 | -0.06 | 29.92 | FM-15 | 0.00 | 29.87 |
| 09 | 1221 | 7 | SCT:04 10<br>BKN:07 41<br>OVC:08 50 | 10.00 |                        | 27 | -2.8 | 26 | -3.3 | 23 | -5.0 | 85  | 17 | 310 | 29 | 28.04 |   |       |       | FM-16 |      | 29.87 |
| 09 | 1253 | 7 | SCT:04 14<br>BKN:07 43<br>OVC:08 50 | 10.00 |                        | 27 | -2.8 | 26 | -3.3 | 23 | -5.0 | 85  | 18 | 310 | 30 | 28.04 |   |       | 29.92 | FM-15 | 0.00 | 29.87 |



## Attachment 1

|    |      |   |                         |       |                  |    |      |    |      |    |      |    |    |     |    |       |   |       |       |       |      |       |
|----|------|---|-------------------------|-------|------------------|----|------|----|------|----|------|----|----|-----|----|-------|---|-------|-------|-------|------|-------|
| 09 | 1353 | 7 | OVC:08 55               | 10.00 |                  | 28 | -2.2 | 26 | -3.3 | 21 | -6.1 | 75 | 18 | 320 | 28 | 28.03 |   |       | 29.91 | FM-15 | 0.00 | 29.86 |
| 09 | 1453 | 7 | OVC:08 55               | 10.00 |                  | 28 | -2.2 | 25 | -3.9 | 20 | -6.7 | 72 | 17 | 290 |    | 28.05 | 3 | -0.01 | 29.93 | FM-15 | 0.00 | 29.88 |
| 09 | 1553 | 7 | OVC:08 65               | 10.00 |                  | 28 | -2.2 | 26 | -3.3 | 21 | -6.1 | 75 | 15 | 310 |    | 28.07 |   |       | 29.95 | FM-15 | 0.00 | 29.90 |
| 09 | 1653 | 7 | FEW:02 70               | 10.00 |                  | 27 | -2.8 | 24 | -4.4 | 18 | -7.8 | 69 | 11 | 300 | 23 | 28.09 |   |       | 29.99 | FM-15 | 0.00 | 29.93 |
| 09 | 1753 | 7 | CLR:00                  | 10.00 |                  | 26 | -3.3 | 23 | -5.0 | 18 | -7.8 | 71 | 10 | 300 |    | 28.09 | 1 | -0.05 | 29.99 | FM-15 | 0.00 | 29.93 |
| 09 | 1853 | 7 | CLR:00                  | 10.00 |                  | 25 | -3.9 | 23 | -5.0 | 18 | -7.8 | 75 | 8  | 280 |    | 28.12 |   |       | 30.02 | FM-15 | 0.00 | 29.96 |
| 09 | 1953 | 7 | CLR:00                  | 10.00 |                  | 26 | -3.3 | 24 | -4.4 | 19 | -7.2 | 75 | 10 | 290 |    | 28.13 |   |       | 30.03 | FM-15 | 0.00 | 29.97 |
| 09 | 2053 | 7 | CLR:00                  | 10.00 |                  | 26 | -3.3 | 24 | -4.4 | 19 | -7.2 | 75 | 11 | 300 |    | 28.12 | 0 | -0.03 | 30.03 | FM-15 | 0.00 | 29.96 |
| 09 | 2153 | 7 | CLR:00                  | 10.00 |                  | 25 | -3.9 | 23 | -5.0 | 19 | -7.2 | 78 | 14 | 330 |    | 28.10 |   |       | 30.01 | FM-15 | 0.00 | 29.94 |
| 09 | 2253 | 7 | CLR:00                  | 10.00 |                  | 25 | -3.9 | 23 | -5.0 | 19 | -7.2 | 78 | 13 | 330 | 24 | 28.08 |   |       | 29.98 | FM-15 | 0.00 | 29.91 |
| 09 | 2353 | 7 | CLR:00                  | 10.00 |                  | 24 | -4.4 | 22 | -5.6 | 18 | -7.8 | 77 | 9  | 330 |    | 28.08 | 5 | +0.05 | 29.98 | FM-15 | 0.00 | 29.91 |
| 10 | 0053 | 7 | CLR:00                  | 10.00 |                  | 23 | -5.0 | 21 | -6.1 | 18 | -7.8 | 81 | 5  | 040 |    | 28.09 |   |       | 30.00 | FM-15 | 0.00 | 29.92 |
| 10 | 0153 | 7 | CLR:00                  | 10.00 |                  | 23 | -5.0 | 22 | -5.6 | 19 | -7.2 | 85 | 5  | 290 |    | 28.09 |   |       | 30.00 | FM-15 | 0.00 | 29.93 |
| 10 | 0253 | 7 | CLR:00                  | 10.00 |                  | 24 | -4.4 | 22 | -5.6 | 19 | -7.2 | 81 | 5  | 360 |    | 28.09 | 0 | -0.01 | 30.00 | FM-15 | 0.00 | 29.92 |
| 10 | 0353 | 7 | CLR:00                  | 10.00 |                  | 22 | -5.6 | 21 | -6.1 | 18 | -7.8 | 85 | 0  | 000 |    | 28.09 |   |       | 30.00 | FM-15 | 0.00 | 29.93 |
| 10 | 0453 | 7 | CLR:00                  | 10.00 |                  | 21 | -6.1 | 20 | -6.7 | 17 | -8.3 | 85 | 5  | 340 |    | 28.09 |   |       | 30.00 | FM-15 | 0.00 | 29.92 |
| 10 | 0553 | 7 | CLR:00                  | 10.00 |                  | 18 | -7.8 | 17 | -8.3 | 15 | -9.4 | 88 | 7  | 010 |    | 28.04 | 8 | +0.06 | 29.94 | FM-15 | 0.00 | 29.87 |
| 10 | 0653 | 7 | CLR:00                  | 10.00 |                  | 18 | -7.8 | 17 | -8.3 | 15 | -9.4 | 88 | 6  | 030 |    | 28.04 |   |       | 29.95 | FM-15 | 0.00 | 29.87 |
| 10 | 0753 | 7 | OVC:08 110              | 10.00 |                  | 22 | -5.6 | 21 | -6.1 | 18 | -7.8 | 85 | 6  | 360 |    | 28.02 |   |       | 29.92 | FM-15 | 0.00 | 29.85 |
| 10 | 0853 | 7 | OVC:08 100              | 10.00 |                  | 23 | -5.0 | 22 | -5.6 | 19 | -7.2 | 85 | 9  | 350 |    | 28.01 | 8 | +0.03 | 29.91 | FM-15 | 0.00 | 29.84 |
| 10 | 0953 | 7 | OVC:08 80               | 10.00 |                  | 23 | -5.0 | 22 | -5.6 | 19 | -7.2 | 85 | 8  | 360 |    | 28.03 |   |       | 29.94 | FM-15 | 0.00 | 29.86 |
| 10 | 1053 | 7 | SCT:04 65<br>OVC:08 80  | 10.00 |                  | 24 | -4.4 | 22 | -5.6 | 19 | -7.2 | 81 | 11 | 350 |    | 28.00 |   |       | 29.90 | FM-15 | 0.00 | 29.83 |
| 10 | 1153 | 7 | OVC:08 43               | 10.00 |                  | 24 | -4.4 | 23 | -5.0 | 20 | -6.7 | 84 | 7  | 340 |    | 27.97 | 8 | +0.04 | 29.87 | FM-15 | 0.00 | 29.80 |
| 10 | 1253 | 7 | OVC:08 33               | 10.00 |                  | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 85 | 5  | 330 |    | 27.94 |   |       | 29.84 | FM-15 | T    | 29.77 |
| 10 | 1303 | 7 | OVC:08 27               | 2.50  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 85 | 7  | 360 |    | 27.94 |   |       |       | FM-16 | T    | 29.76 |
| 10 | 1306 | 7 | OVC:08 25               | 1.25  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 22 | -5.6 | 88 | 7  | 360 |    | 27.92 |   |       |       | FM-16 | T    | 29.75 |
| 10 | 1318 | 7 | OVC:08 23               | 2.00  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 22 | -5.6 | 88 | 10 | 350 |    | 27.91 |   |       |       | FM-16 | T    | 29.74 |
| 10 | 1327 | 7 | OVC:08 23               | 6.00  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 22 | -5.6 | 88 | 10 | 330 |    | 27.91 |   |       |       | FM-16 | T    | 29.73 |
| 10 | 1342 | 7 | OVC:08 24               | 1.75  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 85 | 11 | 340 |    | 27.90 |   |       |       | FM-16 | T    | 29.72 |
| 10 | 1351 | 6 | OVC:08 24               | 1.00  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 86 | 13 | 330 |    | 27.89 |   |       |       | FM-16 |      | 29.71 |
| 10 | 1353 | 7 | OVC:08 24               | 1.00  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 85 | 13 | 340 |    | 27.89 |   |       | 29.78 | FM-15 | T    | 29.71 |
| 10 | 1405 | 7 | OVC:08 29               | 2.00  | -SN:03 BR:1   SN | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 85 | 11 | 340 |    | 27.88 |   |       |       | FM-16 | T    | 29.70 |
| 10 | 1414 | 7 | BKN:07 35<br>OVC:08 49  | 7.00  |                  | 25 | -3.9 | 24 | -4.4 | 21 | -6.1 | 85 | 10 | 340 |    | 27.87 |   |       |       | FM-16 | T    | 29.69 |
| 10 | 1453 | 7 | BKN:07 49<br>OVC:08 60  | 10.00 |                  | 25 | -3.9 | 23 | -5.0 | 20 | -6.7 | 81 | 13 | 340 |    | 27.87 | 6 | +0.08 | 29.75 | FM-15 | T    | 29.69 |
| 10 | 1553 | 7 | OVC:08 75               | 10.00 |                  | 25 | -3.9 | 22 | -5.6 | 17 | -8.3 | 72 | 10 | 300 |    | 27.90 |   |       | 29.79 | FM-15 | 0.00 | 29.72 |
| 10 | 1653 | 7 | OVC:08 70               | 10.00 |                  | 25 | -3.9 | 23 | -5.0 | 19 | -7.2 | 78 | 8  | 260 |    | 27.94 |   |       | 29.84 | FM-15 | 0.00 | 29.76 |
| 10 | 1753 | 7 | OVC:08 75               | 10.00 |                  | 24 | -4.4 | 23 | -5.0 | 20 | -6.7 | 84 | 8  | 260 |    | 27.94 | 1 | -0.07 | 29.84 | FM-15 | 0.00 | 29.76 |
| 10 | 1853 | 7 | BKN:07 80<br>OVC:08 100 | 10.00 |                  | 25 | -3.9 | 23 | -5.0 | 20 | -6.7 | 81 | 14 | 270 |    | 27.94 |   |       | 29.84 | FM-15 | 0.00 | 29.76 |
| 10 | 1953 | 7 | CLR:00                  | 10.00 |                  | 24 | -4.4 | 23 | -5.0 | 21 | -6.1 | 88 | 9  | 240 |    | 27.94 |   |       | 29.84 | FM-15 | 0.00 | 29.77 |
| 10 | 2053 | 7 | CLR:00                  | 10.00 |                  | 22 | -5.6 | 21 | -6.1 | 20 | -6.7 | 92 | 8  | 240 |    | 27.94 | 2 | -0.01 | 29.85 | FM-15 | 0.00 | 29.77 |
| 10 | 2153 | 7 | CLR:00                  | 10.00 |                  | 23 | -5.0 | 22 | -5.6 | 20 | -6.7 | 88 | 7  | 230 |    | 27.94 |   |       | 29.85 | FM-15 | 0.00 | 29.77 |
| 10 | 2253 | 7 | CLR:00                  | 10.00 |                  | 23 | -5.0 | 22 | -5.6 | 21 | -6.1 | 92 | 9  | 210 |    | 27.94 |   |       | 29.85 | FM-15 | 0.00 | 29.77 |
| 10 | 2353 | 7 | CLR:00                  | 10.00 |                  | 21 | -6.1 | 20 | -6.7 | 19 | -7.2 | 92 | 7  | 200 |    | 27.94 | 1 | 0.00  | 29.85 | FM-15 | 0.00 | 29.77 |

| Date                                   | For Hour (LST) Ending at |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | Date |     |
|----------------------------------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|-----|
|                                        | 1 AM                     | 2 AM | 3 AM | 4 AM | 5 AM | 6 AM | 7 AM | 8 AM | 9 AM | 10 AM | 11 AM | NOON | 1 PM | 2 PM | 3 PM | 4 PM | 5 PM | 6 PM | 7 PM | 8 PM | 9 PM | 10 PM | 11 PM | MID  |      |     |
| 01                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 01   |     |
| 02                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 02   |     |
| 03                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 03   |     |
| 04                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 04   |     |
| 05                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 05   |     |
| 06                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 06   |     |
| 07                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 07   |     |
| 08                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      | 0.02 |      | 0.13 | 0.04 | T     | 0.01  | 0.01 | 08   |     |
| 09                                     | 0.21                     | 0.11 | 0.01 | 0.05 | 0.12 | 0.07 | 0.10 | 0.02 | 0.01 | 0.05  |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 09   |     |
| 10                                     |                          |      |      |      |      |      |      |      |      |       |       |      | T    | T    | T    |      |      |      |      |      |      |       |       |      | 10   |     |
| 11                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 11   |     |
| 12                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 12   |     |
| 13                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 13   |     |
| 14                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 14   |     |
| 15                                     |                          |      |      |      |      |      |      | T    |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 15   |     |
| 16                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 16   |     |
| 17                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 17   |     |
| 18                                     |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      | 18   |     |
| 19                                     | M                        | M    | M    | M    | M    | M    | M    | M    | M    | M     | M     | M    | M    | M    | M    | M    | M    | M    | M    | M    | M    | M     | M     | M    | 19   |     |
| Maximum Short Duration Precipitation   |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      |      |     |
| Time Period (Minutes)                  |                          |      |      | 5    |      | 10   |      | 15   |      | 20    |       | 30   |      | 45   |      | 60   |      | 80   |      | 100  |      | 120   |       | 150  |      | 180 |
| Precipitation (inches)                 |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      |      |     |
| Ending Date Time<br>(yyyy-mm-dd hh:mi) |                          |      |      |      |      |      |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |       |       |      |      |     |

Hourly, daily, and monthly totals on the Daily Summary page and the Hourly Precipitation Table are shown as reported by the instrumentation at the site. However, NWS does not edit hourly values for its ASOS sites, but may edit the daily and monthly totals for selected sites which will be reflected on the Daily Summary page.

T = Trace  
s = Suspect  
\* = Erroneous  
blank = No precipitation observed  
M = Missing