

Appendix 19-2

Pre-construction Sound Level Measurement Program

WATKINS GLEN SOLAR ENERGY CENTER
PRE-CONSTRUCTION SOUND LEVEL MEASUREMENT PROGRAM



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1.0 BASELINE SOUND LEVEL MONITORING PROGRAM

To characterize the existing soundscape of the Project area, an ambient (baseline) monitoring program was conducted in accordance with the NYS Article 10 Exhibit 19 requirements and the Project's understanding of the required DPS scope of studies. This section outlines the structure of the ambient program.

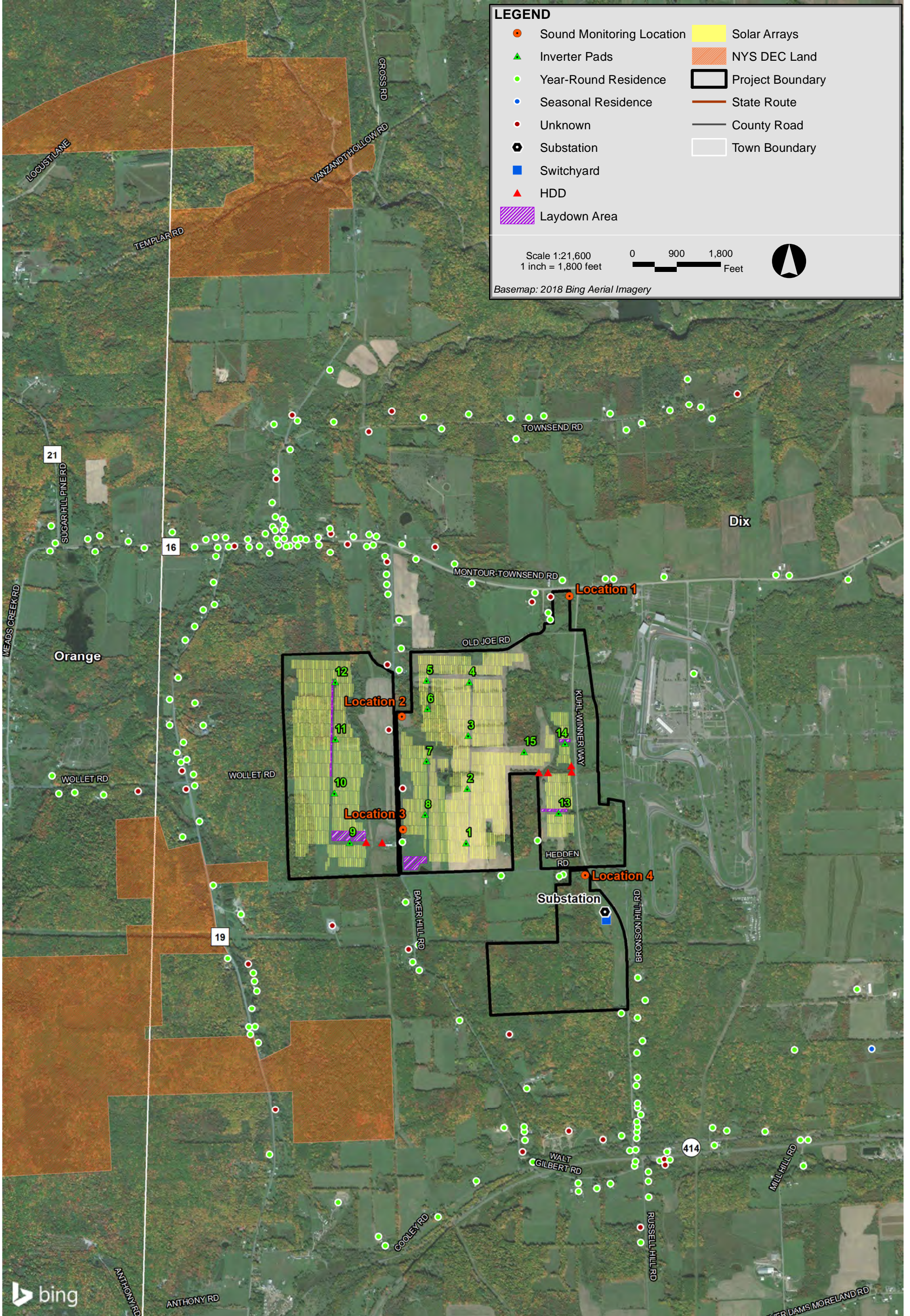
1.1 Sensitive Receptors

All residences [including participating, non-participating, full-time and seasonal], outdoor public facilities and areas, State Forest Lands, places of worship, hospitals, schools, cemeteries, campsites, summer camps, Public Parks, Federal and NY State Lands, any of these within one mile of the solar project were included as sensitive receptors. Seasonal receptors included cabins and hunting camps identified by property tax codes and any other seasonal residence known to have septic systems or running water. All sensitive receptors are shown in Figure 19-1 of the Exhibit 19 Noise and Vibration document in accordance with the Project's understanding of the required DPS scope of studies.

1.2 Sound Level Measurement Locations

In accordance with ANSI S12.9-1992/Part 2 (R2013), the deterministic spatial sampling technique was used to select measurement locations. In other words, sound monitoring locations were selected to be representative of nearby residences in various directions from the solar project. Thus, the selected locations are representative of potentially impacted receptors. The program was intended to measure total ambient sound in the area which includes all noise sources.

Two sound level measurement programs were conducted; one during the winter season ("leaf-off"), and one in summer ("leaf-on"). Figure 1-1 shows the measurement locations for the measurement program. The ambient measurement locations are representative of the general vicinity of the Project. Each sound level monitoring location is described in the following subsections.



Watkins Glen Solar Schuyler County, New York

The coordinates for the sound level measurement locations are listed in Table 1-1, which were slightly adjusted as needed from the field-measured Global Positioning System (GPS) points for refined accuracy.

The NYS DOT website was checked for Annual Average Daily Traffic (AADT) counts in the vicinity of the sound level meters (SLM). The section of Bronson Hill Road through the project area had an AADT of 286 vehicles in 2013. Route 16 to the north of the project had an AADT of 1,003 vehicles in 2016. Route 19 to the west of the project area had an AADT of 376 vehicles in 2016. Route 414 to the south of the project area had an AADT in 2009.¹ Other roads in the project area generally carry less traffic than these roads.

Table 1-1 GPS Coordinates – Sound Level Measurement Locations

Location	Latitude	Longitude
Location 1	42.346234°	-76.934763°
Location 2	42.339282°	-76.947181°
Location 3	42.332966°	-76.946899°
Location 4	42.330641°	-76.933127°

1.2.1 Location 1—County Road 16

One continuous programmable, unattended sound level meter was placed near County Road 16 in the Town of Dix. The meter was placed approximately 135 feet west of the Bronson Hill road and 140 feet south of County Road 16. This location is representative of existing sound levels in the northern area of the project site and along County Road 16. Refer to Figures 1-2 and 1-3 for a photo of the monitoring setup during the summer and winter seasons, respectively.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the summer season from 6:00 p.m. Wednesday, July 18, 2018 until 7:00 a.m. on Thursday, July 26, 2018. In total, 182 1-hour measurement periods were recorded during the summer measurement program.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the winter season from 3:00 p.m. on Tuesday, April 17, 2018 until 1:00 p.m. on Wednesday, April 25, 2018. In total, 191 1-hour measurement periods were recorded during the winter measurement program.

¹ <https://gis.dot.ny.gov/html5viewer/?viewer=tdv> Accessed in August 2020.

Figure 1-2 Location 1, Sound Level Meter, Summer



Figure 1-3 Location 1, Sound Level Meter, Winter



1.2.2 Location 2—Baker Hill Road

One continuous programmable, unattended sound level meter was placed near Baker Hill Road in the Town of Dix. The meter was placed approximately 85 feet west of the road and is representative of existing sound levels in the north-western area of the Project Site and along Baker Hill Road. Refer to Figures 1-4 and 1-5 for a photo of the monitoring setup during the summer and winter seasons, respectively.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the summer season from 6:00 p.m. Wednesday, July 18, 2018 until 7:00 a.m. on Thursday, July 26, 2018. In total, 182 1-hour measurement periods were recorded during the summer measurement program.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the winter season from 4:00 p.m. on Tuesday, April 17, 2018 until 1:00 a.m. on Wednesday, April 25, 2018. In total, 178 1-hour measurement periods were recorded during the winter measurement program. There was an equipment malfunction shortly after 2 a.m. on Wednesday, April 25. All data collected during and after this time mark have been excluded from the analysis.

In addition to sound data collection, continuous ground-level wind speed data was collected at this location during both monitoring programs. The meteorological equipment setup is shown in Figures 1-6 and 1-7 for the respective seasons.

Figure 1-4 Location 2 - Summer, Sound Level Meter



Figure 1-5 Location 2 - Winter, Sound Level Meter



Figure 1-6 Location 2 - Summer, Meteorological Tower



Figure 1-7 Location 2 - Winter, Meteorological Tower



1.2.3 Location 3 – Baker Hill Road

One continuous programmable, unattended sound level meter was placed near Baker Hill Road in the Town of Dix. The meter was placed approximately 145 feet west of the road and is representative of existing sound levels along in the south-western area of the Project Site and along Baker Hill Road. Refer to Figures 1-8 and 1-9 for photographs of the monitoring setups during the summer and winter seasons respectively.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the summer season from 7:00 p.m. Wednesday, July 18, 2018 until 8:00 a.m. on Thursday, July 26, 2018. In total, 182 1-hour measurement periods were recorded during the summer measurement program.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the winter season from 5:00 p.m. on Tuesday, April 17, 2018 until 8:00 p.m. on Wednesday, April 18, 2018. In total, 28 1-hour measurement periods were recorded during the winter measurement program. The data collection for this meter was cut short due to a meter malfunction. All data after the malfunction considered invalid and has been omitted from the numerical analysis.

Figure 1-8 Location 3 - Summer, Sound Level Meter



Figure 1-9 Location 3 – Winter Sound Level Meter



1.2.4 Location 4 – Hedden Road

One continuous programmable, unattended sound level meter was placed near Hedden Road in the Town of Dix. The meter was placed approximately 115 feet south of the Hedden Road and approximately 80 feet west of Bronson Hill Road and is representative of existing sound levels along in the southern area of the Project Site and along Hedden Road. Refer to Figures 1-10 and 1-11 for a photo of the monitoring setup during the winter and summer seasons, respectively.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the summer season from 5:00 p.m. Wednesday, July 18, 2018 until 8:00 a.m. on Thursday, July 26, 2018. In total, 184 1-hour measurement periods were recorded during the summer measurement program.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics during the winter season from 6:00 p.m. on Tuesday, April 17, 2018 until 12:00 p.m. on Wednesday, April 25, 2018. In total, 187 1-hour measurement periods were recorded during the winter measurement program.

Figure 1-10 Location 4, Sound Level Meter, Summer



Figure 1-11 Location 4, Sound Level Meter, Winter



1.3 Sound Level Measurement Instrumentation

Each of the monitoring locations used either a Larson Davis (LD) model 831² sound level meter (SLM) or a Norsonic model Nor140³ SLM to measure both A-weighted (dBA) and one third octave bands from 6.3Hz to 20,000Hz. Each instrument was equipped with a LD PRM 831 preamplifier and a PCB 377B20 or a PCB 377C20 half-inch microphone or a Norsonic Nor1290 preamplifier and a G.R.A.S 40AN half-inch microphone along with an environmental protection kit. The kit included a 7" open cell wind screen to reduce wind-induced noise over the microphone. A peer-reviewed study presenting the windscreen insertion loss data by one-third octave band for each wind screen used in the background monitoring is provided in Appendix A. Since measured sound level results are presented in terms of ANS weighting (see discussion in section 2.1), frequencies above 1250Hz are not included, and thus the minor microphone insertion losses at higher frequencies are not relevant.

Microphones were tripod-mounted at a height of approximately five feet (1.5 meters) above ground level in accordance with ANSI S12.9-1992/Part 2 (R2013). Horizontal microphone placements near roadways were in accordance with ANSI S12.9-1992/Part 2 (R2013) for open land.

The LD831 and Nor140 meters meet Type 1 ANSI/ASA S1.4, ANSI S1.43-1997 (R2007), and IEC 61672 Class 1 standards for sound level meters and were calibrated and certified as accurate to standards set by the National Institute of Standards and Technology. The octave band filters for all instrumentation meet ANSI S1.11-2004 (R2009). These calibrations were conducted by an

² Noise floor specified in manufacturer's manual with use of PRM831 preamplifier and 377B02 microphone for A-weighted sound pressure levels is 18dBA at a 0dB gain and 17dBA at a 20dB gain. Noise floor specified for Z-weighted sound pressure levels is 23dBA at a 0dB gain and 21dBA at a 20dB gain.

³ Noise floor specified in manufacturer's manual A-weighted sound pressure levels is 25dBA with self-noise of the SLM at 15dBA.

independent laboratory within 12 months of field placement and certificates of calibration are provided in Appendix B. All measurement equipment was calibrated in the field before and after the surveys with the manufacturer's acoustical calibrator which meets the standards of IEC 60942-2003 Class 1L and ANSI/ASA S1.40-2006 (R2016).

1.4 Meteorological Instrumentation

1.4.1 Ground Level Winds

Wind speed can have a strong influence on ambient sound levels. In order to understand how the existing sound levels are influenced by wind speed, a HOBO H21-002 micro-weather station (manufactured by Onset Computer Corporation) with tripod and data logger was used to record continuous wind speed data at Location 5 during both seasons. The weather station was mounted at a height of approximately 6.5 feet (2 meters) above ground level.

The HOBO wind instruments have a measurement range of 0 to 44 m/s (99 mph) or 0 to 45 m/s (100 mph) and an accuracy of +/- 0.5 m/s (1.1 mph) or +/- 1.1 m/s (2.4 mph). The starting threshold is 0.5 m/s (1.1 mph) or ≤ 1.0 m/s (2.2 mph).

1.4.2 Precipitation, Temperature, and Relative Humidity

Meteorological data from the New York State Mesonet system were used for both the winter and summer measurements. The New York State Mesonet consists of 125 state-of-the-art environmental monitoring stations and serves as the foundation of an Early Warning Severe Weather Detection network for the entire State of New York. The New York State Mesonet was developed by research scientists at the State University of New York (SUNY) at Albany's Atmospheric Sciences Research Center, and Department of Atmospheric and Environmental Sciences. Mesonet sites are distributed statewide with every county across New York having at least one or more sites. The Mesonet collects measurements of several surface and atmospheric variables, such as temperature, relative humidity, wind speed and direction, surface pressure, soil moisture, soil temperature, solar radiation, and precipitation amounts for rainfall and snow accumulation. These data are archived and available to the public.

The Burdett Mesonet station is located approximately 9.3 miles east southeast from the closest Watkins Glen measurement location. This station is the closest to the Project site and was used for both the summer and winter measurement programs.

The SUNY Mesonet data from the Burdett station is provided in Appendix C of this report.

1.5 Infrasonic Monitoring

All monitoring locations were equipped to monitor infrasound as low as 6.3 Hz. Each meter collected continuous broadband and one-third octave-band ambient sound pressure level data. The meter logged data every 1-hour with statistical data for the following parameters: L_{eq} , L_{10} , L_{50} , L_{90} , L_{max} , and L_{min} . A one-second time history data collection using the "fast" response setting was also implemented.

2.0 BASELINE SOUND LEVEL MONITORING RESULTS

This chapter discusses the results from the detailed ambient (baseline) monitoring program outlined in the previous chapter. Specifically, the logic for data validity, and sound level result descriptions for the monitoring locations are explained.

2.1 Data Formatting Overview

Sound level data was collected at 1-hour intervals⁴ at four strategically selected locations around the proposed solar energy project during both the summer and winter seasons. Monitoring periods that experienced elevated ground-level wind speeds or precipitation were excluded from the data analysis per Method #1 in ANSI S12.18-1994. According to this standard, “No sound level measurement shall be made when the average wind velocity exceeds 5 m/s when measured at a height of 2 ± 0.2 m above the ground”. In addition, “Measurement during precipitation [...] is highly discouraged”. Precipitation events identified at the SUNY MesoNet station in Burdett, NY defined periods for which sound level data were excluded from the analysis for the summer and winter measurement programs.

The sound level equipment used in ambient monitoring have specifications regarding operative ranges under certain air conditions, e.g., temperature and relative humidity.^{5,6} Data from the Burdett MesoNet station was additionally referenced for the range exceedances during all measurement timeframes. Sound levels during these exceedances were excluded from further processing.

As per the Project’s understanding of the required DPS scope of studies, intermittent noise was filtered by using the L_{90} metric. Seasonal noise was removed from the ambient sound level measurements regardless of season. A high-frequency natural sound (HFNS) filter was therefore applied to the measured one-third octave-band data from which a broadband sound level was calculated for both the summer and winter monitoring seasons. This technique removes all sound energy above the 1,250 Hertz frequency band. The methodology for the filtration process is as specified in ANSI/ASA S12.100-2014 and the sound pressure levels presented in this report using this methodology are indicated as ANS-weighted levels (presented in dBA). The calculated broadband ANS-weighted (dBA) average L_{eq} and L_{90} ambient sound levels are presented for the winter and summer seasons for each location in the following subsections.

⁴ It should be noted that all sound level instrumentation data, ground level meteorological instrumentation data and on-site meteorological tower data records were time-correlated for appropriate alignment of monitoring periods.

⁵ Periods measured outside the temperature range of 14°F to 122°F were considered invalid due to the Larson Davis Model 831 SLM and specifications.

⁶ Periods measured outside the relative humidity range of 1 to 99% were considered invalid based on microphone specifications. The accuracy of sound levels measured with a Larson Davis Model 831 SLM outside the relative humidity range of 25% to 90% is unknown; however, the data are not considered invalid and are included in the data summaries. The same is relevant for sound levels measured with a Norsonic Nor140 SLM outside the range of 5% to 90% relative humidity.

As per the Exhibit 19 regulations 1001.19(f)(1) daytime is defined as the period from 7 a.m. to 10 p.m. Respectively, nighttime is defined as the period from 10 p.m. to 7 a.m. (1001.19(f)(2)).

2.2 Location 1 - County Road 16

Sound levels at Location 1 were influenced by vehicular traffic on County Road 16, vegetation rustle, wind, birds, insects, frogs, outdoor house pets, a nearby stream, and occasional aircraft. Sound level-versus-time graphs are provided in this section. This includes L_{eq} and L_{90} sound pressure levels and ground-level wind speeds measured at Location 2. Data was excluded from further analysis and calculations due to either ground-level winds exceeding 5 m/s as recorded by the HOBO wind sensor at Location 2 or due to precipitation or instrumentation operative exceedances as recorded at the Burdett MesoNet station and is identified in the figures. These exclusions were applied to both the summer and winter monitoring programs.

2.2.1 Summer Monitoring

The ranges of measured A-weighted sound levels during the summer season are summarized below and presented graphically in Figure 2-1. A total of 112 1-hour periods were excluded from the summer season. The resulting dataset includes a total of 70 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 19 to 52 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 36 to 64 dBA.

The ranges of calculated ANS-weighted sound levels during the summer season are summarized below.

- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 15 to 51 dBA;
- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 33 to 63 dBA.

2.2.2 Winter Monitoring

The ranges of measured A-weighted sound levels during the winter season are summarized below and presented graphically in Figure 2-2. A total of 49 1-hour periods were excluded from the winter season. The resulting dataset includes a total of 142 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 21 to 49 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 25 to 56 dBA.

The ranges of calculated ANS-weighted sound levels during the winter season are summarized below.

- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 19 to 45 dBA;

- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 22 to 55 dBA.

2.2.3 Spectral Sound Level Data

In addition to broadband sound levels, spectral sound level data were measured during each 1-hour period at Location 1 for both the winter and summer measurement periods. Using only valid measurement periods, octave-band and one-third octave-band data are summarized in Figures 2-3 and 2-4, respectively, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime. Octave-band levels are displayed from 16 Hz to 16,000 Hz in Figure 2-3 for both L_{eq} and L_{90} . The one-third octave-band data in Figure 2-4 span the audible frequencies from 16 Hz to 16,000 Hz and were analyzed for prominent discrete tones⁷. No prominent discrete tones were detected in the ambient noise measurements.

2.3 Location 2 – Baker Hill Road

Sound levels at the Location 2 monitor were influenced by wind, infrequent traffic noise, a nearby stream, all-terrain vehicles, distant racetrack noise, birds, insects, vegetation rustle, and occasional aircraft. Sound level-versus-time graphs are provided in this section. This includes L_{eq} and L_{90} sound pressure levels and ground-level wind speeds measured at Location 2. Data was excluded from further analysis and calculations due to either ground-level winds exceeding 5 m/s as recorded by the HOBO wind sensor at Location 2 or due to precipitation or instrumentation operative exceedances as recorded at the Burdett MesoNet station and is identified in the figures. These exclusions were applied to both the summer and winter monitoring programs.

2.3.1 Summer Monitoring

The ranges of measured A-weighted sound levels during the summer season are summarized below and presented graphically in Figure 2-5. A total of 112 1-hour periods were excluded from the summer season. The resulting dataset includes a total of 70 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 17 to 42 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 19 to 57 dBA.

The ranges of calculated ANS-weighted sound levels during the summer season are summarized below.

- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 10 to 41 dBA;
- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 17 to 56 dBA.

⁷ Prominent discrete tones as defined by the ANSI S12.9 Part 3 standard. The lowest frequency in the Annex B.1 tone test is 25 Hz. 20 Hz data are presented for informational purposes.

2.3.2 Winter Monitoring

The ranges of measured A-weighted sound levels during the winter season are summarized below and presented graphically in Figure 2-6. A total of 36 1-hour periods were excluded from the winter season. The resulting dataset includes a total of 142 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 18 to 42 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 21 to 51 dBA.

The ranges of calculated ANS-weighted sound levels during the winter season are summarized below.

- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 14 to 42 dBA;
- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 18 to 50 dBA.

2.3.3 Spectral Sound Level Data

In addition to broadband sound levels, spectral sound level data were measured during each 1-hour period at Location 2. Using only valid measurement periods, octave-band and one-third octave-band data are summarized in Figures 2-7 and 2-8, respectively, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime. Octave-band levels are displayed from 16 Hz to 16,000 Hz in Figure 2-7 for both L_{eq} and L_{90} . The one-third octave-band data in Figure 2-8 span the audible frequencies from 16 Hz to 16,000 Hz and were analyzed for prominent discrete tones⁸. No prominent discrete tones were detected in the ambient noise measurements.

2.4 Location 3 – Baker Hill Road

Sound levels at Location 3 were influenced by occasional traffic, a racetrack to the east, wind, vegetation rustle, a nearby stream, birds, outdoor house pets, noise from a nearby power line, and occasional aircraft. Sound level-versus-time graphs are provided in this section. This includes L_{eq} and L_{90} sound pressure levels and ground-level wind speeds measured at Location 2. Data was excluded from further analysis and calculations due to either ground-level winds exceeding 5 m/s as recorded by the HOBO wind sensor at Location 2 or due to precipitation or instrumentation operative exceedances as recorded at the Burdett MesoNet station is identified in the figures. These exclusions were applied to both the summer and winter monitoring programs.

⁸ Prominent discrete tones as defined by the ANSI S12.9 Part 3 standard. The lowest frequency in the Annex B.1 tone test is 25 Hz. 20 Hz data are presented for informational purposes.

2.4.1 Summer Monitoring

The ranges of measured A-weighted sound levels during the summer season are summarized below and presented graphically in Figure 2-9. A total of 113 1-hour periods were excluded from the summer season. The resulting dataset includes a total of 69 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 16 to 39 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 18 to 52 dBA.

The ranges of calculated ANS-weighted sound levels during the summer season are summarized below.

- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 11 to 38 dBA;
- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 15 to 50 dBA.

2.4.2 Winter Monitoring⁹

The ranges of measured A-weighted sound levels during the winter season are summarized below and presented graphically in Figure 2-10. A total of 8 1-hour periods were excluded from the winter season. The resulting dataset includes a total of 20 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 21 to 36 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 34 to 50 dBA.

The ranges of calculated ANS-weighted sound levels during the winter season are summarized below.

- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 17 to 35 dBA;
- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 3 to 45 dBA.

2.4.3 Spectral Sound Level Data

In addition to broadband sound levels, spectral sound level data were measured during each 1-hour period at Location 3. Using only valid measurement periods, octave-band and one-third octave-band data are summarized in Figures 2-11 and 2-12¹⁰, respectively, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime. Octave-band levels are displayed from 16 Hz to 16,000 Hz in Figure 2-11 for both L_{eq} and L_{90} . The one-third octave-band

⁹ All dBA values in this section are invalid due to less than 48 hours of valid data being collected from this location

¹⁰ Note that while the data collected and analyzed in for the winter season is valid, it falls short of the minimum 48 hours of valid data requirement.

data in Figure 2-12 span the audible frequencies from 16 Hz to 16,000 Hz and were analyzed for prominent discrete tones¹¹. No prominent discrete tones were detected in the ambient noise measurements.

2.5 Location 4 – Hedden Road

Sound levels at the Location 4 monitor were influenced by local traffic, a racetrack to the East, vegetation rustle, wind, a nearby stream, insects, birds, and occasional aircraft. Sound level-versus-time graphs are provided in this section. This includes L_{eq} and L_{90} sound pressure levels and ground-level wind speeds measured at Location 2. Data was excluded from further analysis and calculations due to either ground-level winds exceeding 5 m/s as recorded by the HOBO wind sensor at Location 2 or due to precipitation or instrumentation operative exceedances as recorded at the Burdett MesoNet station is identified in the figures. These exclusions were applied to both the summer and winter monitoring programs.

2.5.1 Summer Monitoring

The ranges of measured A-weighted sound levels during the summer season are summarized below and presented graphically in Figure 2-13. A total of 113 1-hour periods were excluded from the summer season. The resulting dataset includes a total of 71 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 19 to 49 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 26 to 61 dBA.

The ranges of calculated ANS-weighted sound levels during the summer season are summarized below.

- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 16 to 48 dBA;
- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 25 to 60 dBA.

2.5.2 Winter Monitoring

The ranges of measured A-weighted sound levels during the winter season are summarized below and presented graphically in Figure 2-14. A total of 45 1-hour periods were excluded from the winter season. The resulting dataset includes a total of 142 1-hour periods of valid data.

- ◆ The valid steady-state level (L_{90}) measurements ranged from 23 to 58 dBA;
- ◆ The valid equivalent level (L_{eq}) measurements ranged from 25 to 69 dBA.

¹¹ Prominent discrete tones as defined by the ANSI S12.9 Part 3 standard. The lowest frequency in the Annex B.1 tone test is 25 Hz. 20 Hz data are presented for informational purposes.

The ranges of calculated ANS-weighted sound levels during the winter season are summarized below.

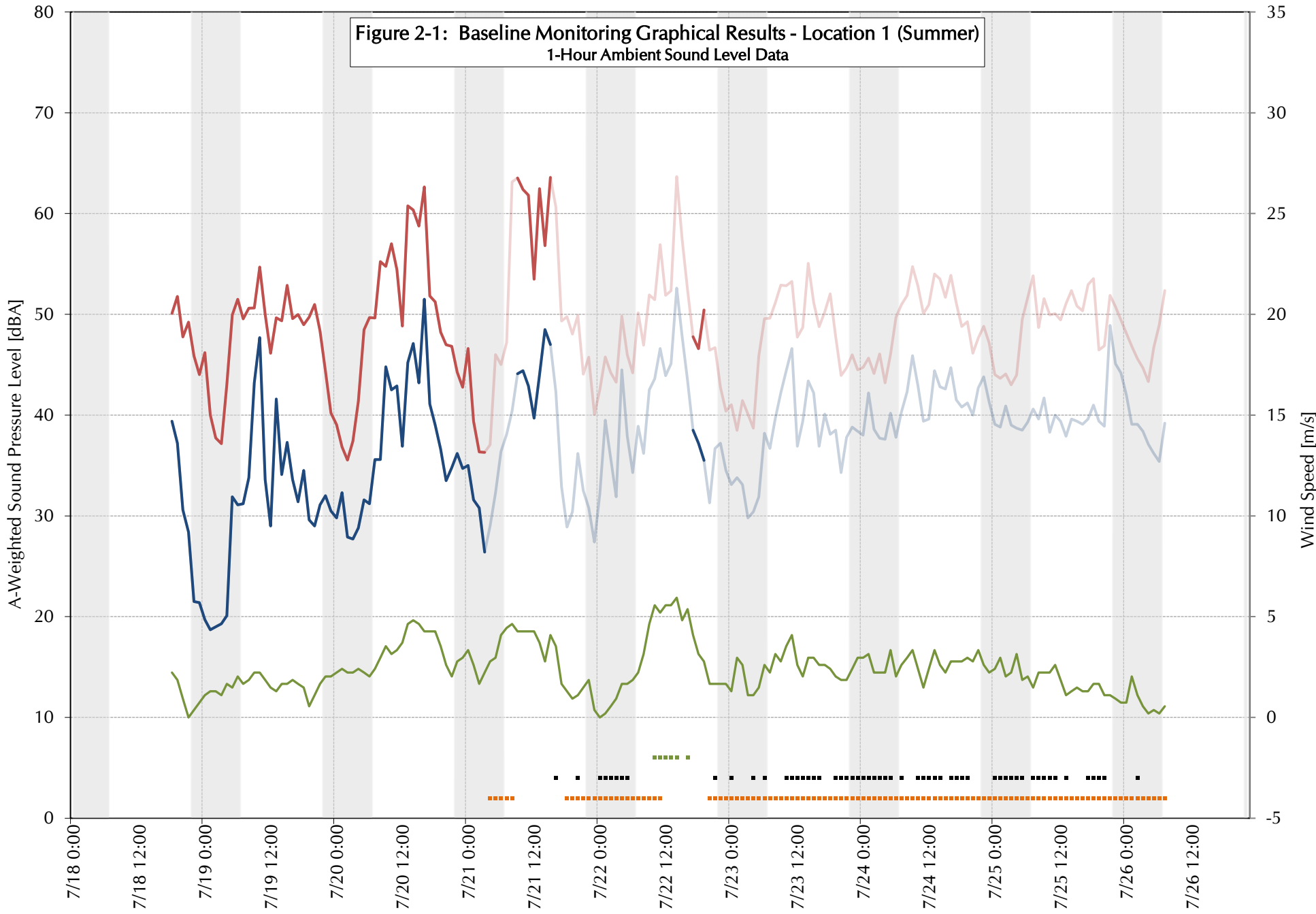
- ◆ The valid, calculated steady-state (L_{90}) ANS-weighted broadband sound levels ranged from 18 to 58 dBA;
- ◆ The valid, calculated equivalent (L_{eq}) ANS-weighted broadband sound levels ranged from 22 to 69 dBA.

2.5.3 Spectral Sound Level Data

In addition to broadband sound levels, spectral sound level data were measured during each 1-hour period at Location 4. Using only valid measurement periods, octave-band and one-third octave-band data are summarized in Figures 2-15 and 2-16, respectively, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime. Octave-band levels are displayed from 16 Hz to 16,000 Hz in Figure 2-15 for both L_{eq} and L_{90} . The one-third octave-band data in Figure 2-16 span the audible frequencies from 16 Hz to 16,000 Hz and were analyzed for prominent discrete tones¹². No prominent discrete tones were detected in the ambient noise measurements.

¹² Prominent discrete tones as defined by the ANSI S12.9 Part 3 standard. The lowest frequency in the Annex B.1 tone test is 25 Hz. 20 Hz data are presented for informational purposes.

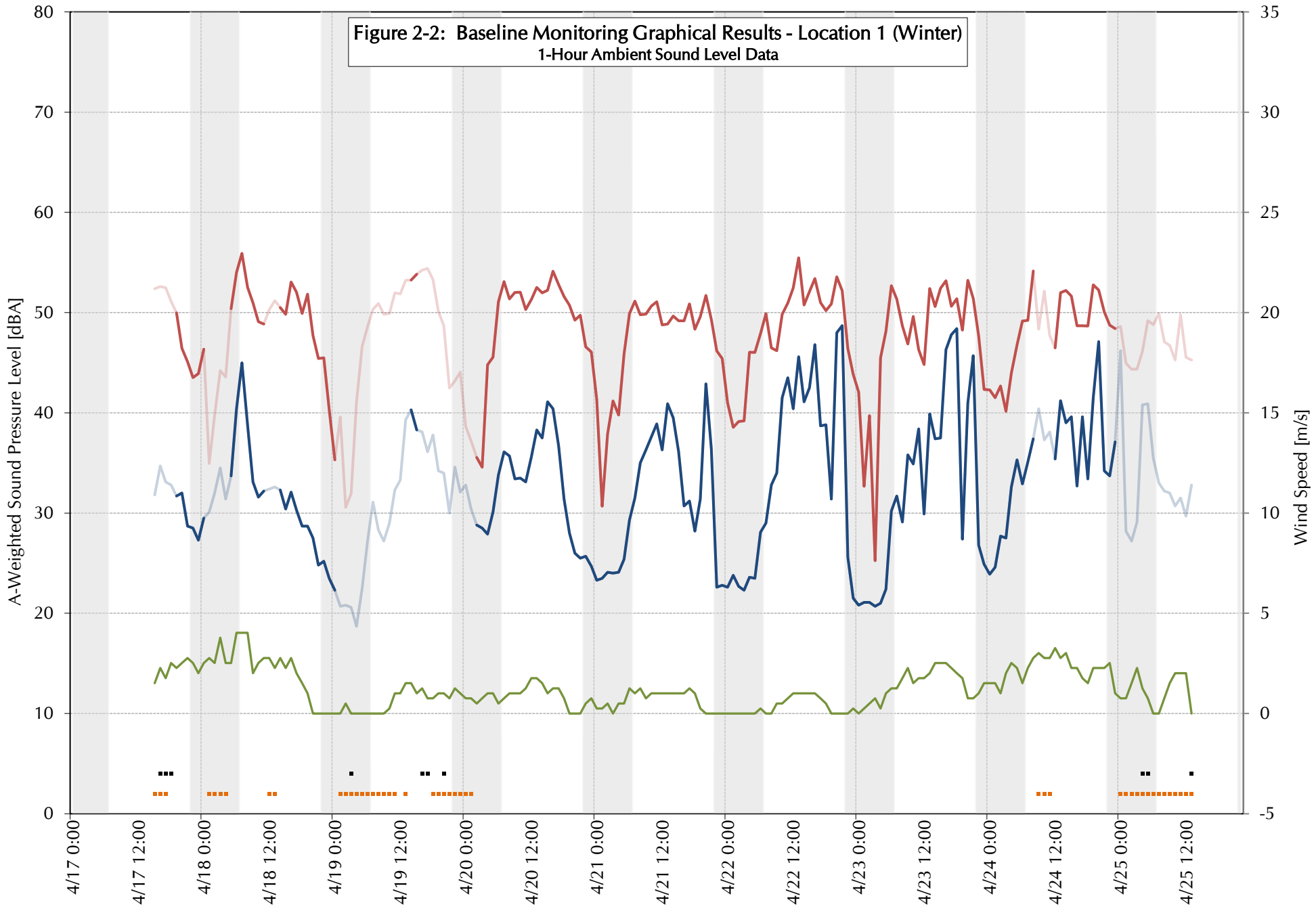
Figure 2-1: Baseline Monitoring Graphical Results - Location 1 (Summer)
1-Hour Ambient Sound Level Data



Start Time [July 18-26, 2018]

- Leq Measured
- L90 Measured
- Leq Valid
- L90 Valid
- Ground Level Wind Speed
- High Wind
- Precipitation
- Range Exceedance

Figure 2-2: Baseline Monitoring Graphical Results - Location 1 (Winter)
1-Hour Ambient Sound Level Data



Start Time [April 17-25, 2018]

- Leq Measured
- L90 Measured
- Leq Valid
- L90 Valid
- Ground Level Wind Speed
- High Wind
- Precipitation
- Range Exceedance

Figure 2-3: Baseline Monitoring Graphical Results - Location 1 Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels

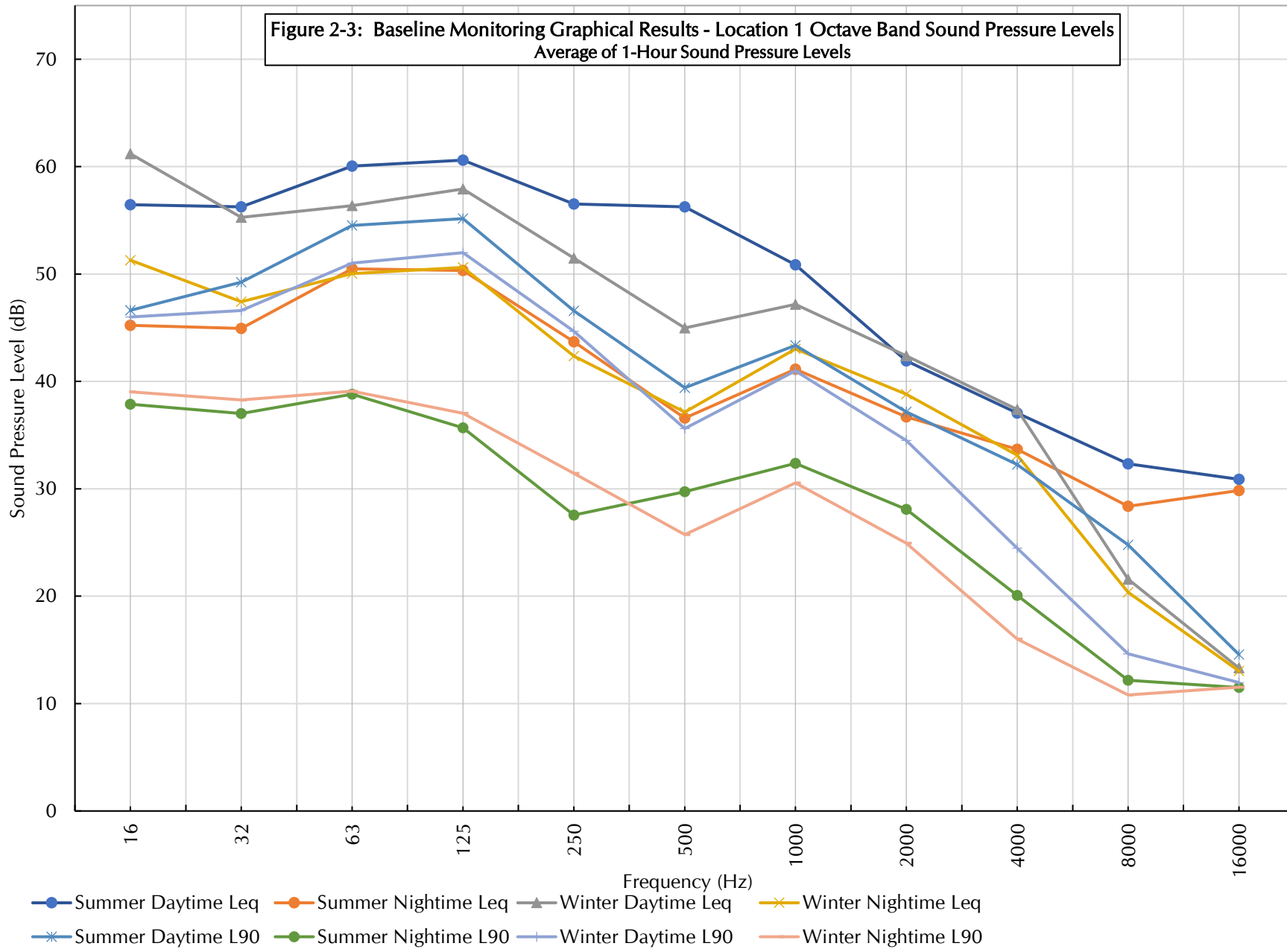


Figure 2-4: Baseline Monitoring Graphical Results - Location 1-Third Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels

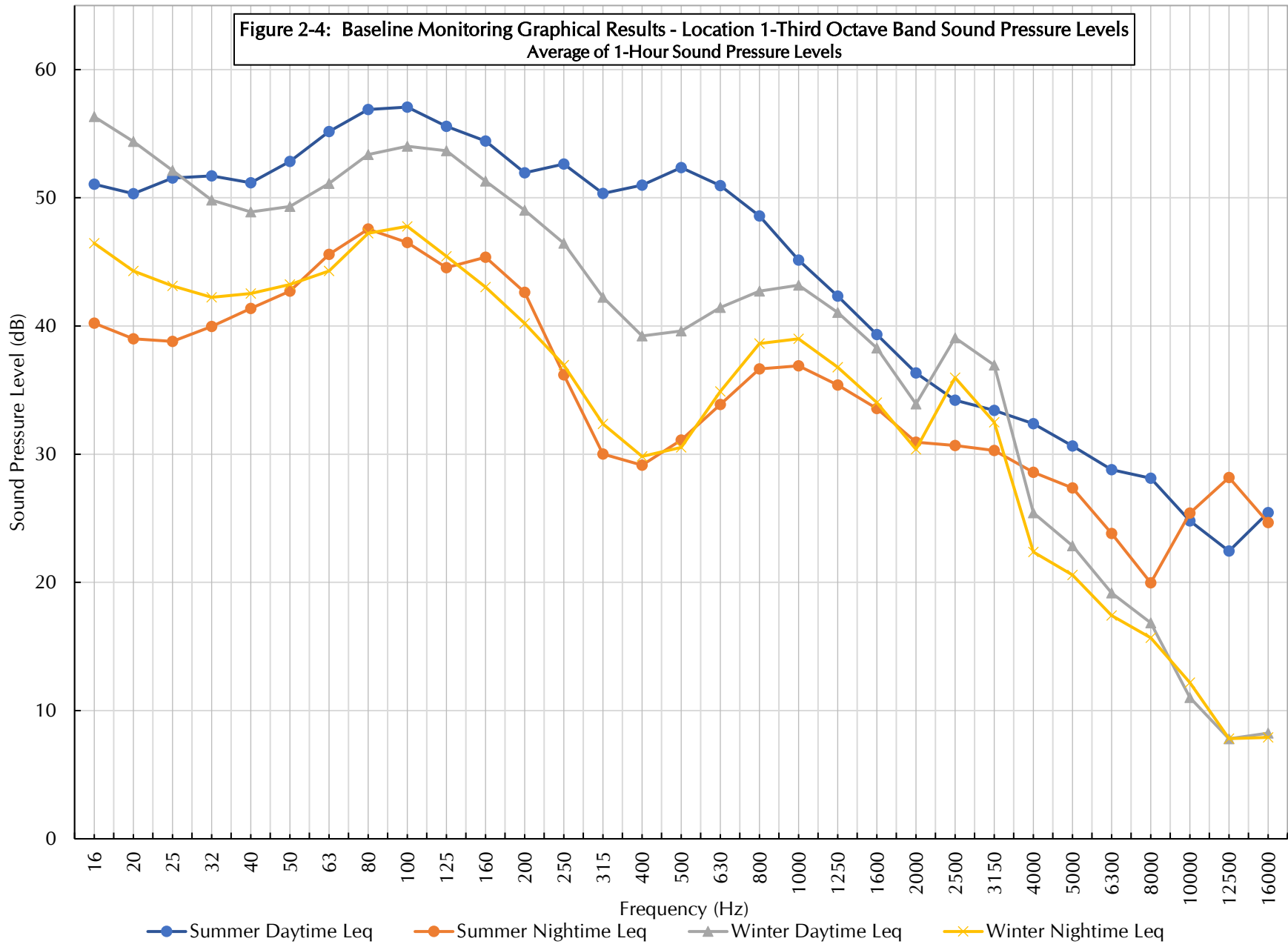


Figure 2-5: Baseline Monitoring Graphical Results - Location 2 (Summer)
1-Hour Ambient Sound Level Data

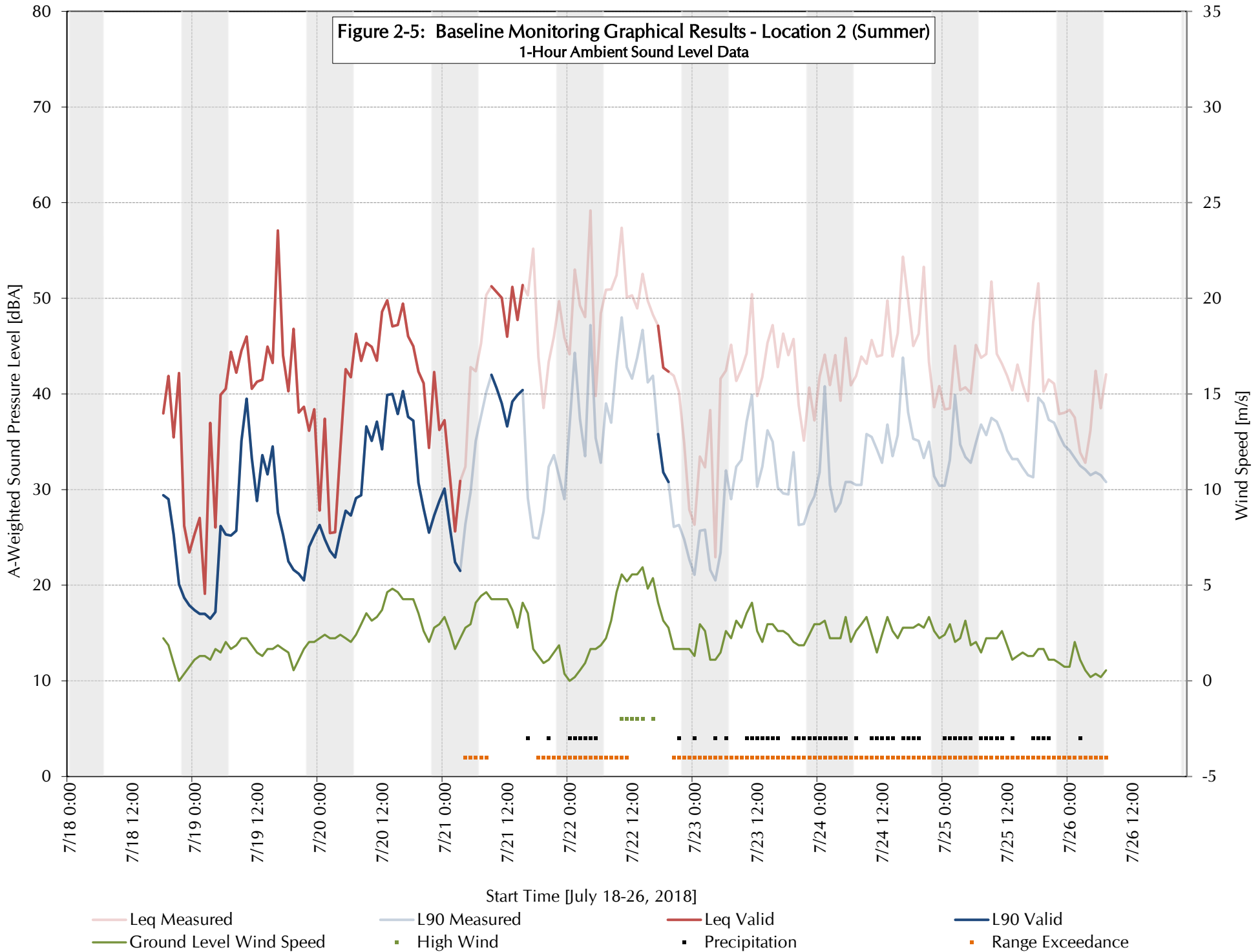
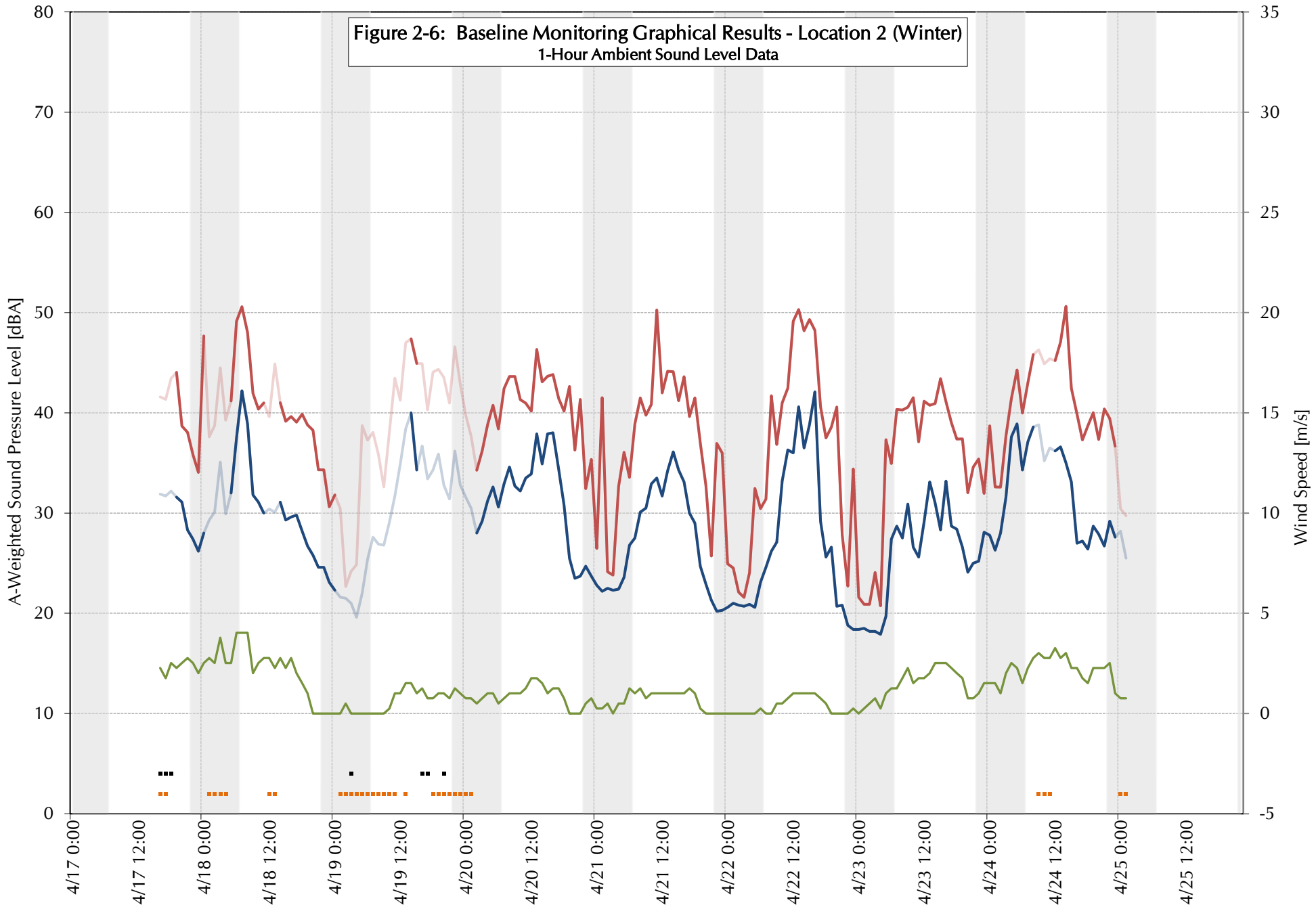


Figure 2-6: Baseline Monitoring Graphical Results - Location 2 (Winter)
1-Hour Ambient Sound Level Data



Start Time [April 17-25, 2018]

- Leq Measured
- L90 Measured
- Leq Valid
- L90 Valid
- Ground Level Wind Speed
- High Wind
- Precipitation
- Range Exceedance

Figure 2-7: Baseline Monitoring Graphical Results - Location 2 Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels

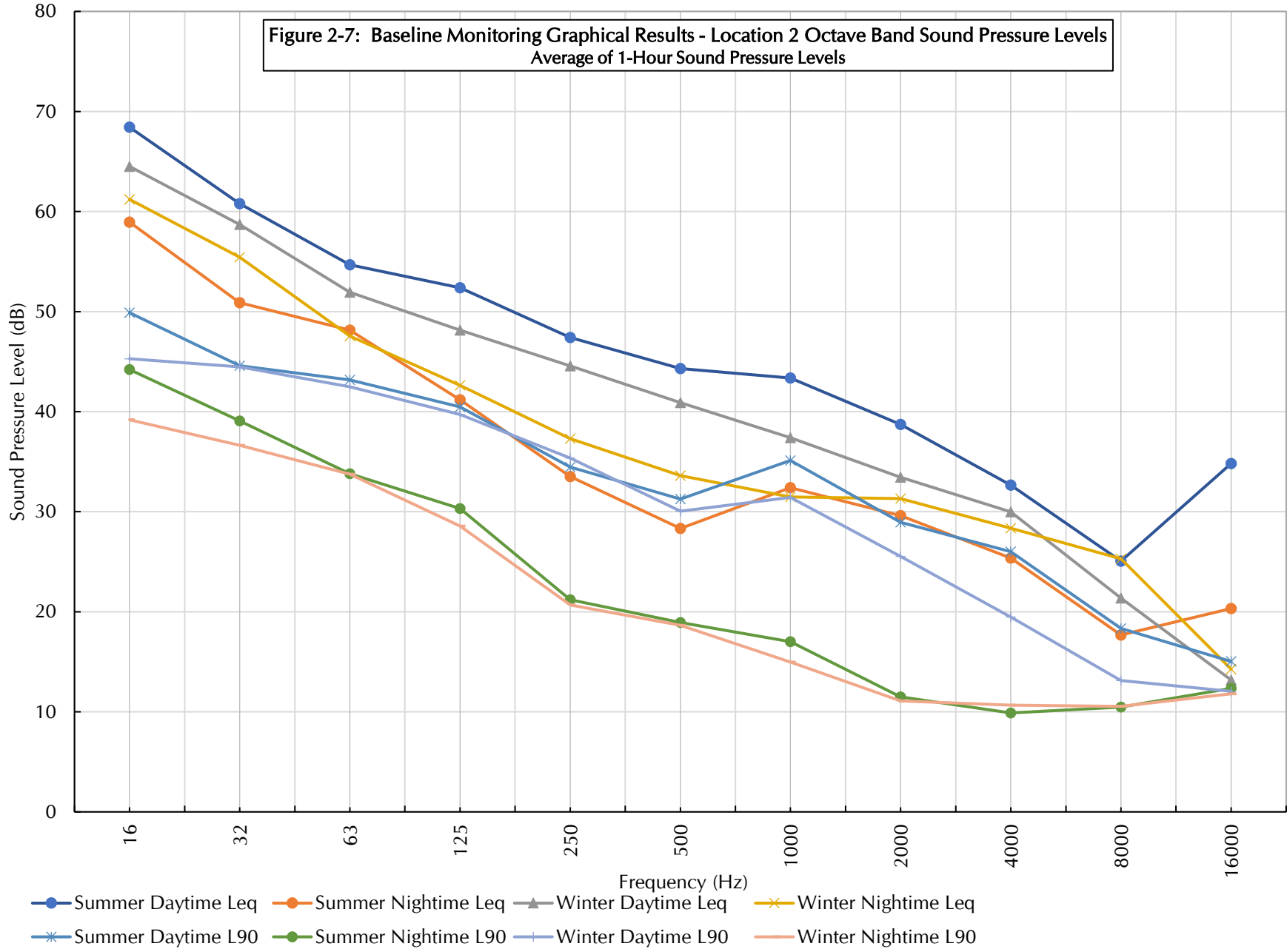


Figure 2-8: Baseline Monitoring Graphical Results - Location 2-Third Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels

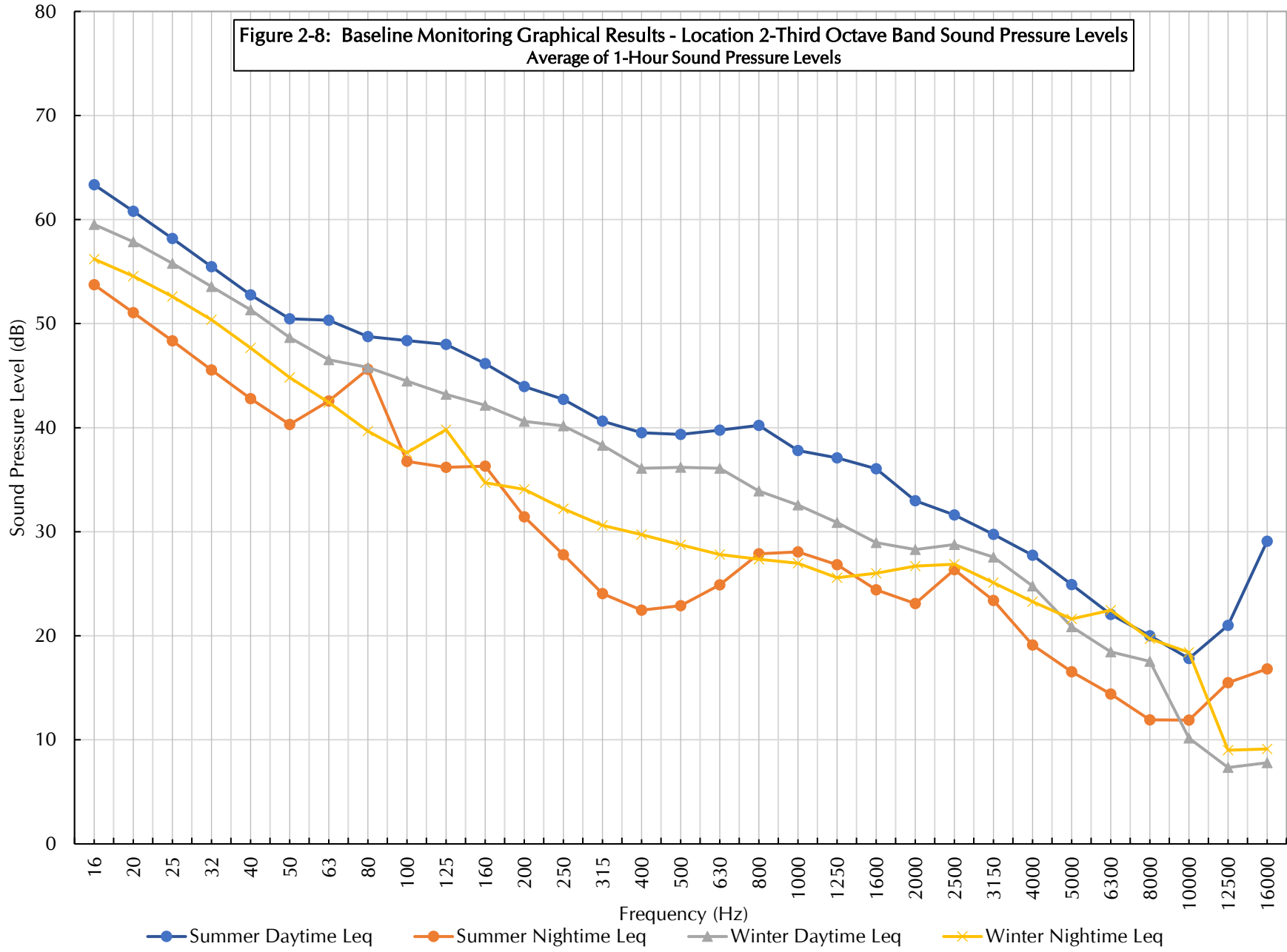
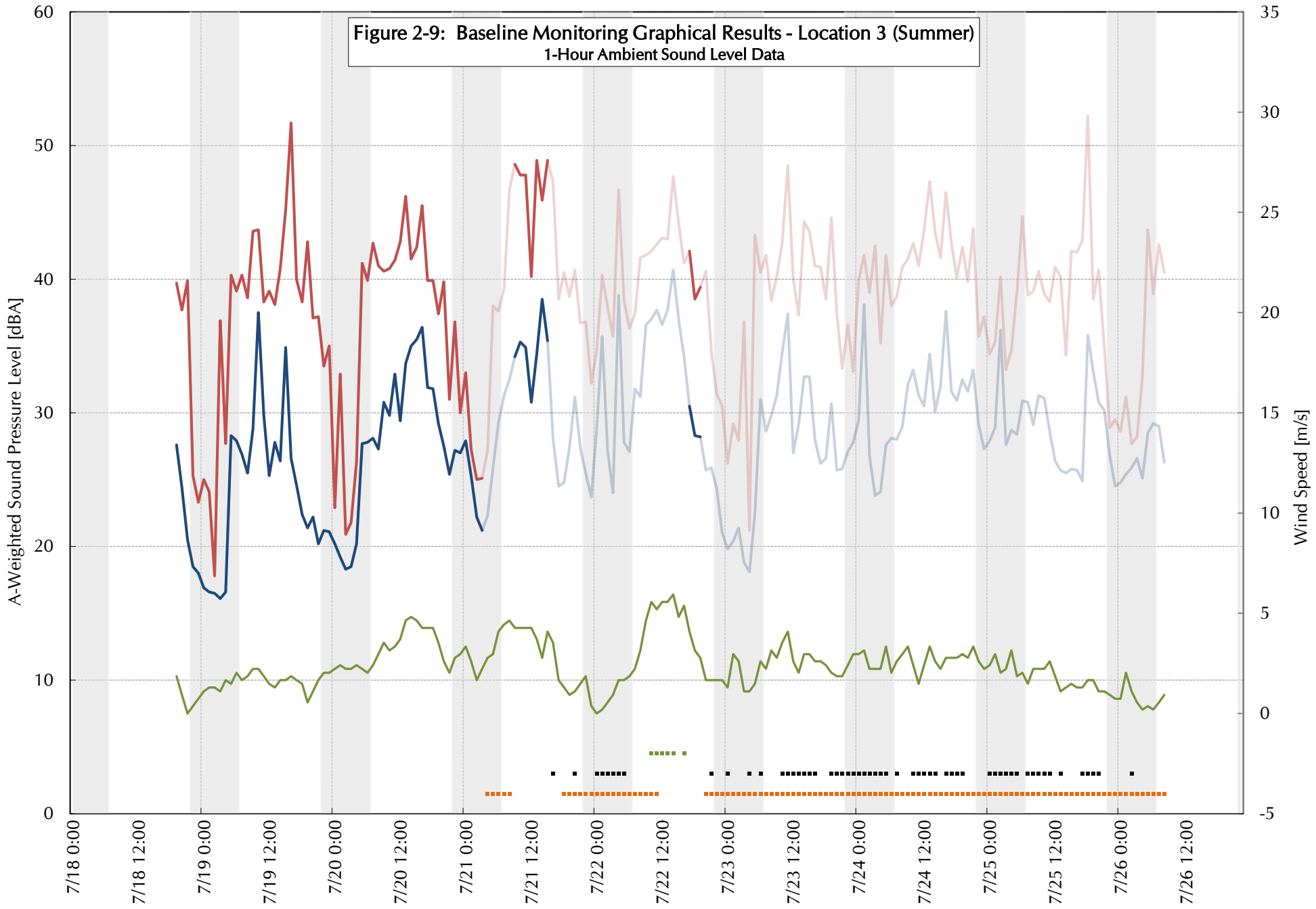


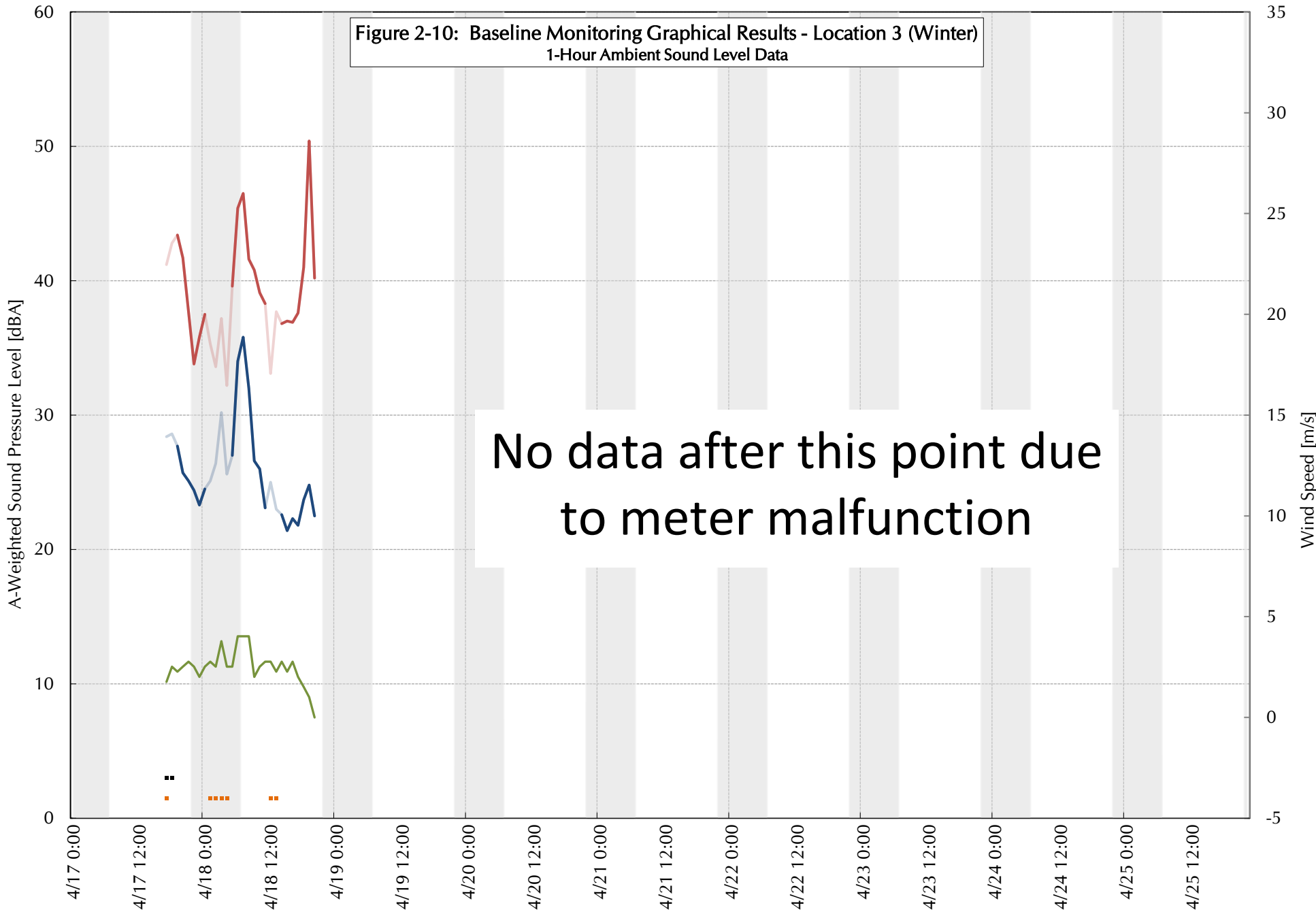
Figure 2-9: Baseline Monitoring Graphical Results - Location 3 (Summer)
1-Hour Ambient Sound Level Data



Start Time [July 18-26, 2018]

- Leq Measured
- L90 Measured
- Leq Valid
- L90 Valid
- Ground Level Wind Speed
- High Wind
- Precipitation
- Range Exceedance

Figure 2-10: Baseline Monitoring Graphical Results - Location 3 (Winter)
1-Hour Ambient Sound Level Data



No data after this point due to meter malfunction

- Leq Measured
- L90 Measured
- Ground Level Wind Speed
- High Wind
- Leq Valid
- Precipitation
- L90 Valid
- Range Exceedance

Figure 2-11: Baseline Monitoring Graphical Results - Location 3 Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels

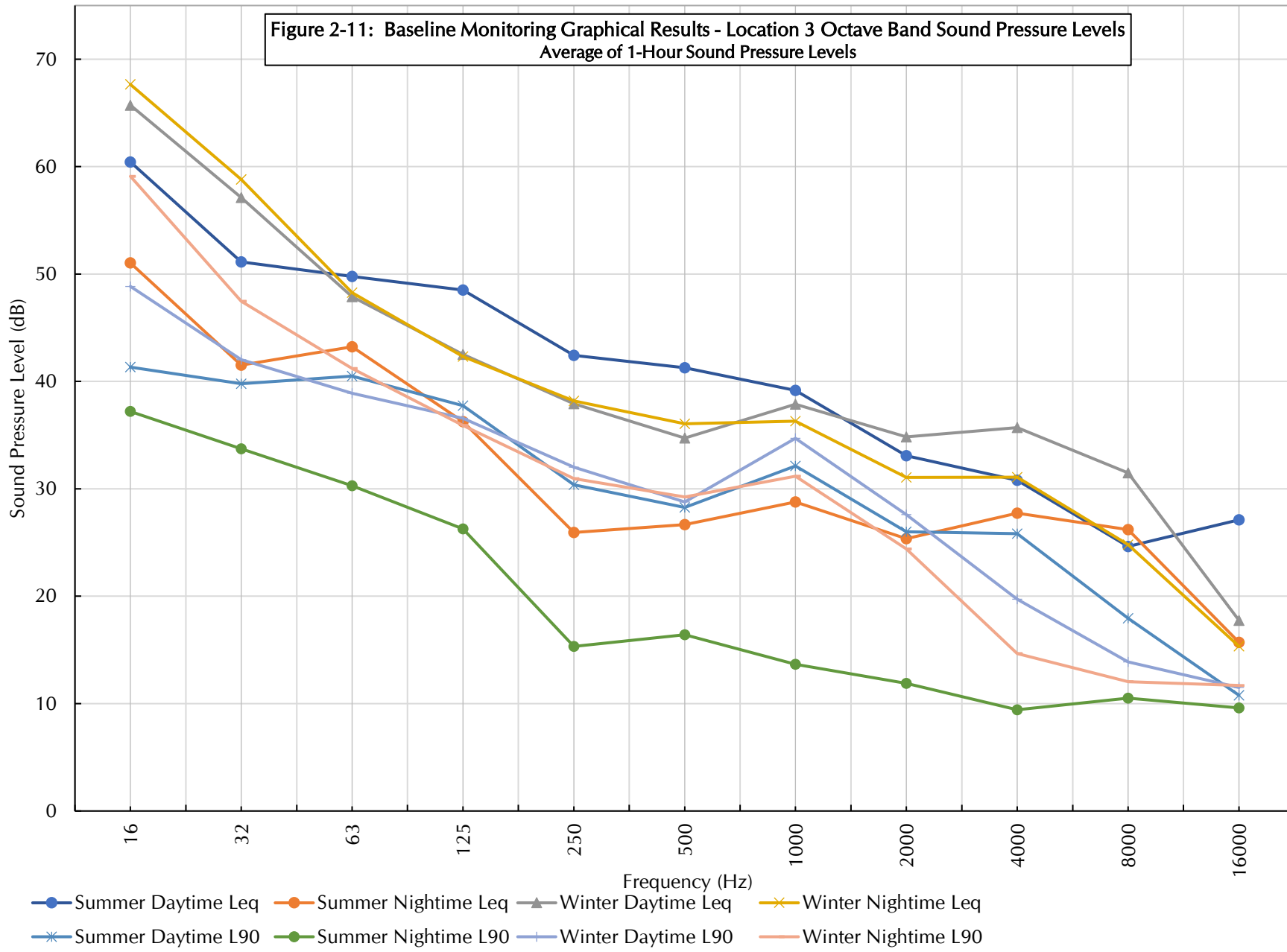


Figure 2-12: Baseline Monitoring Graphical Results - Location 3-Third Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels

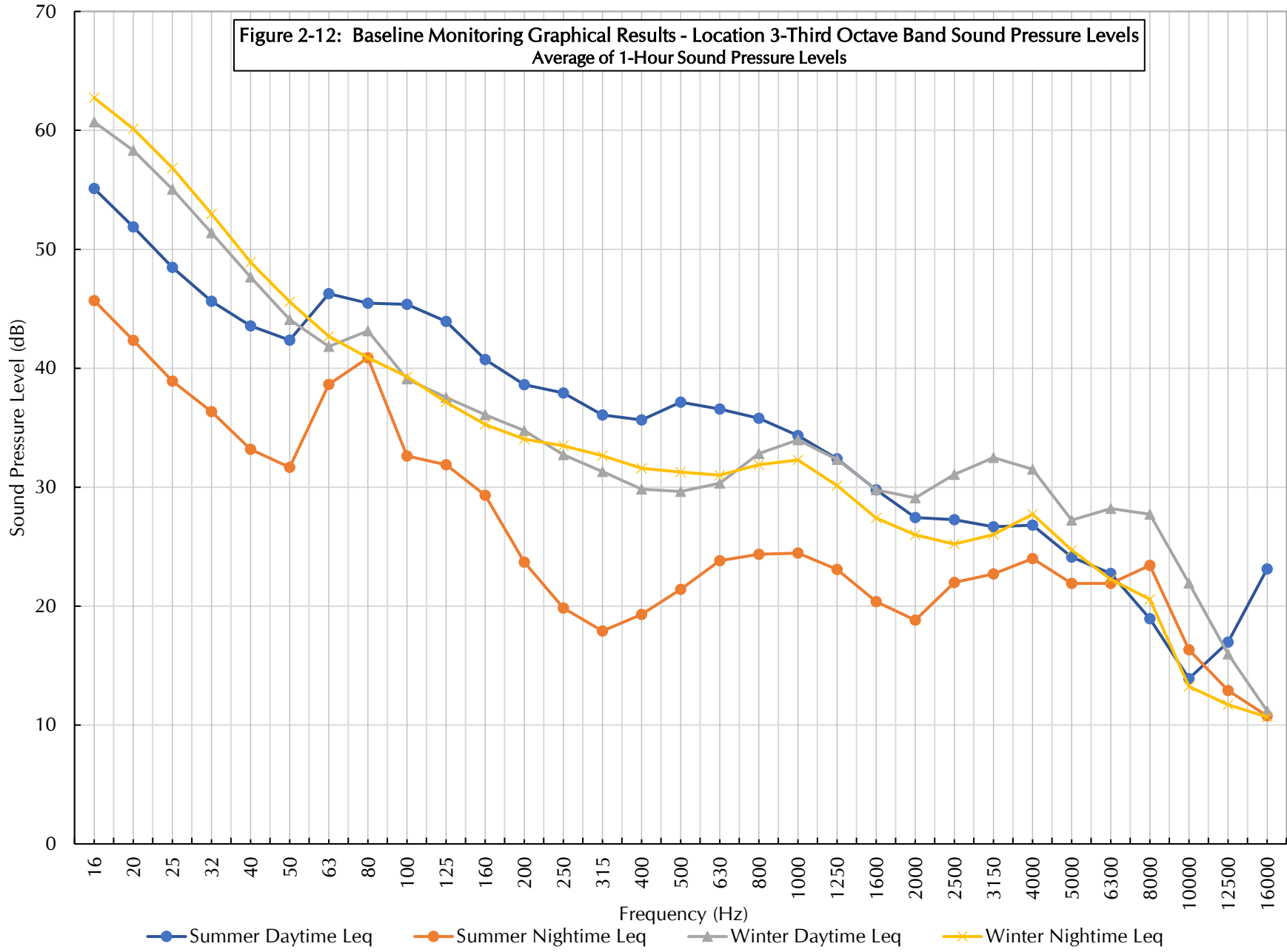
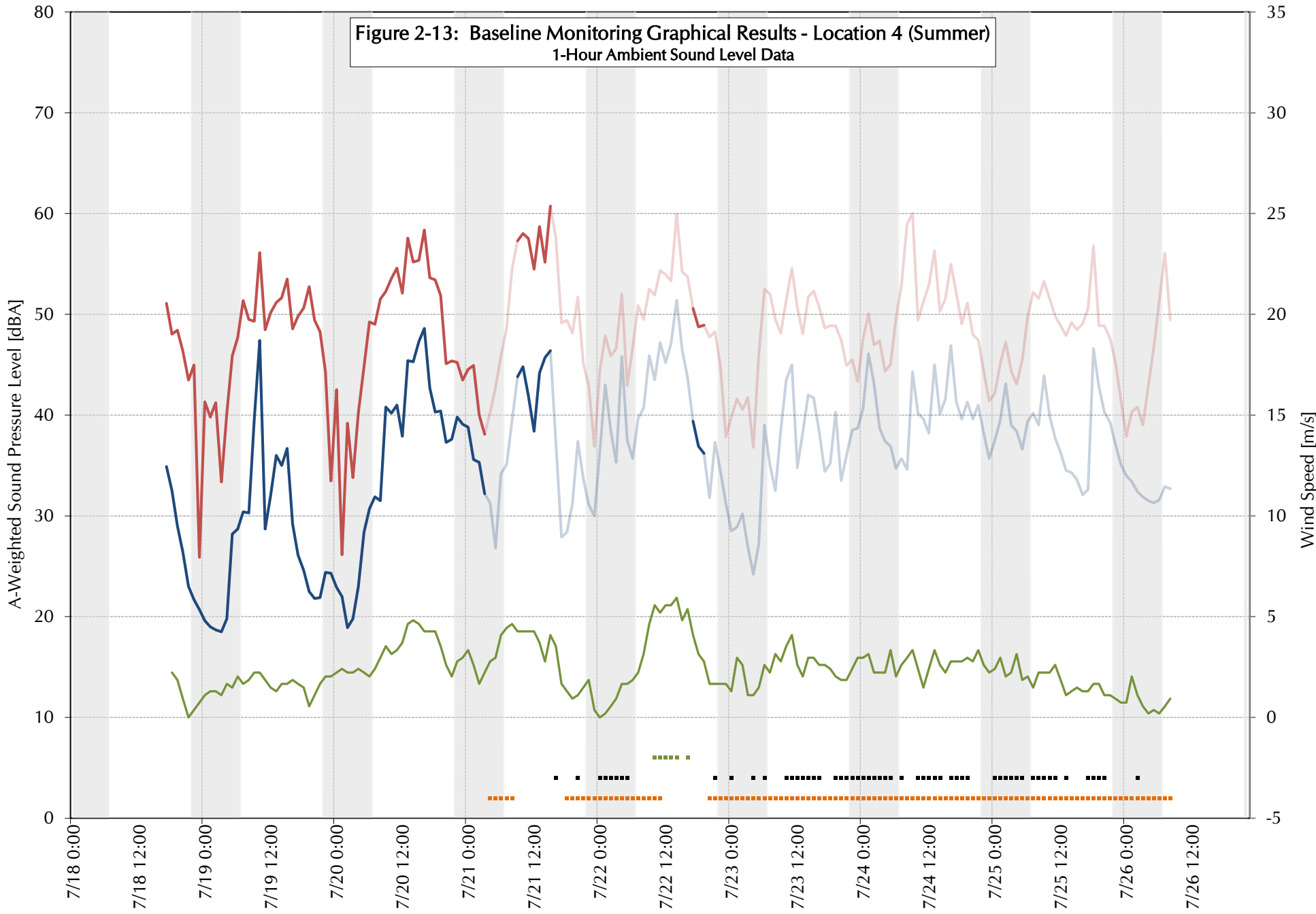


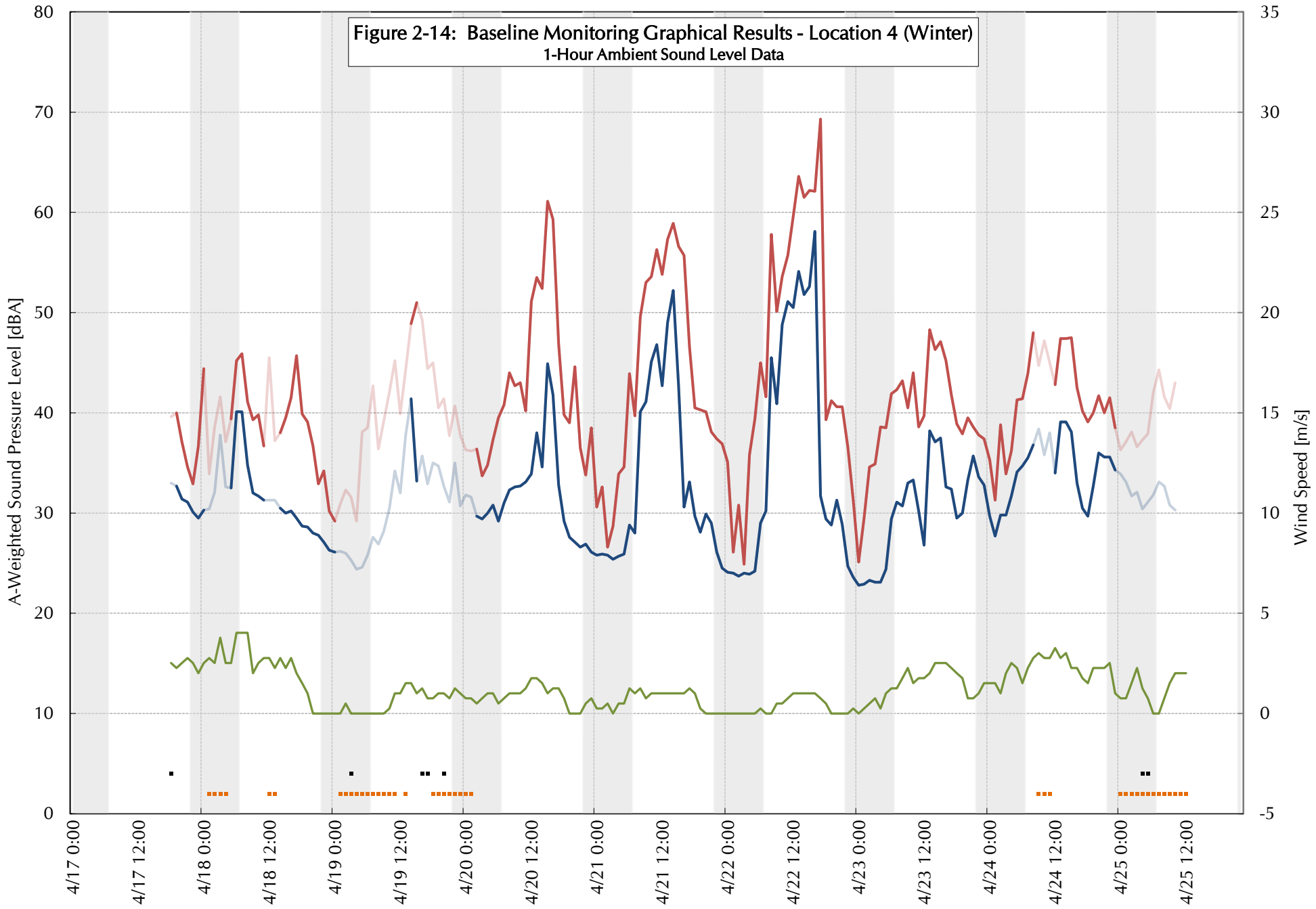
Figure 2-13: Baseline Monitoring Graphical Results - Location 4 (Summer)
1-Hour Ambient Sound Level Data



Start Time [July 18-26, 2018]

- Leq Measured
- L90 Measured
- Leq Valid
- L90 Valid
- Ground Level Wind Speed
- High Wind
- Precipitation
- Range Exceedance

Figure 2-14: Baseline Monitoring Graphical Results - Location 4 (Winter)
1-Hour Ambient Sound Level Data



Start Time [April 17-25, 2018]

- Leq Measured
- L90 Measured
- Leq Valid
- L90 Valid
- Ground Level Wind Speed
- High Wind
- Precipitation
- Range Exceedance

Figure 2-15: Baseline Monitoring Graphical Results - Location 4 Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels

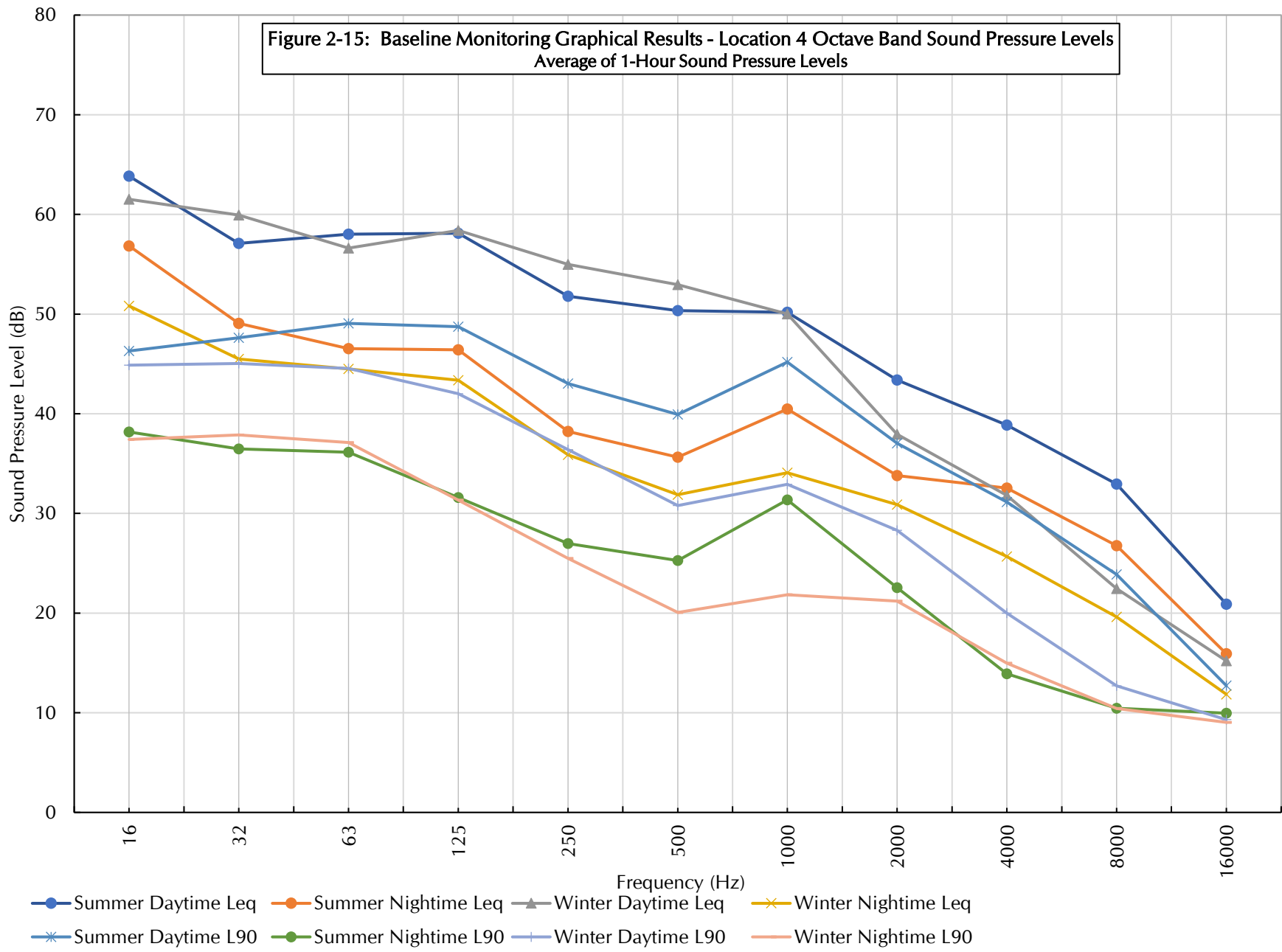
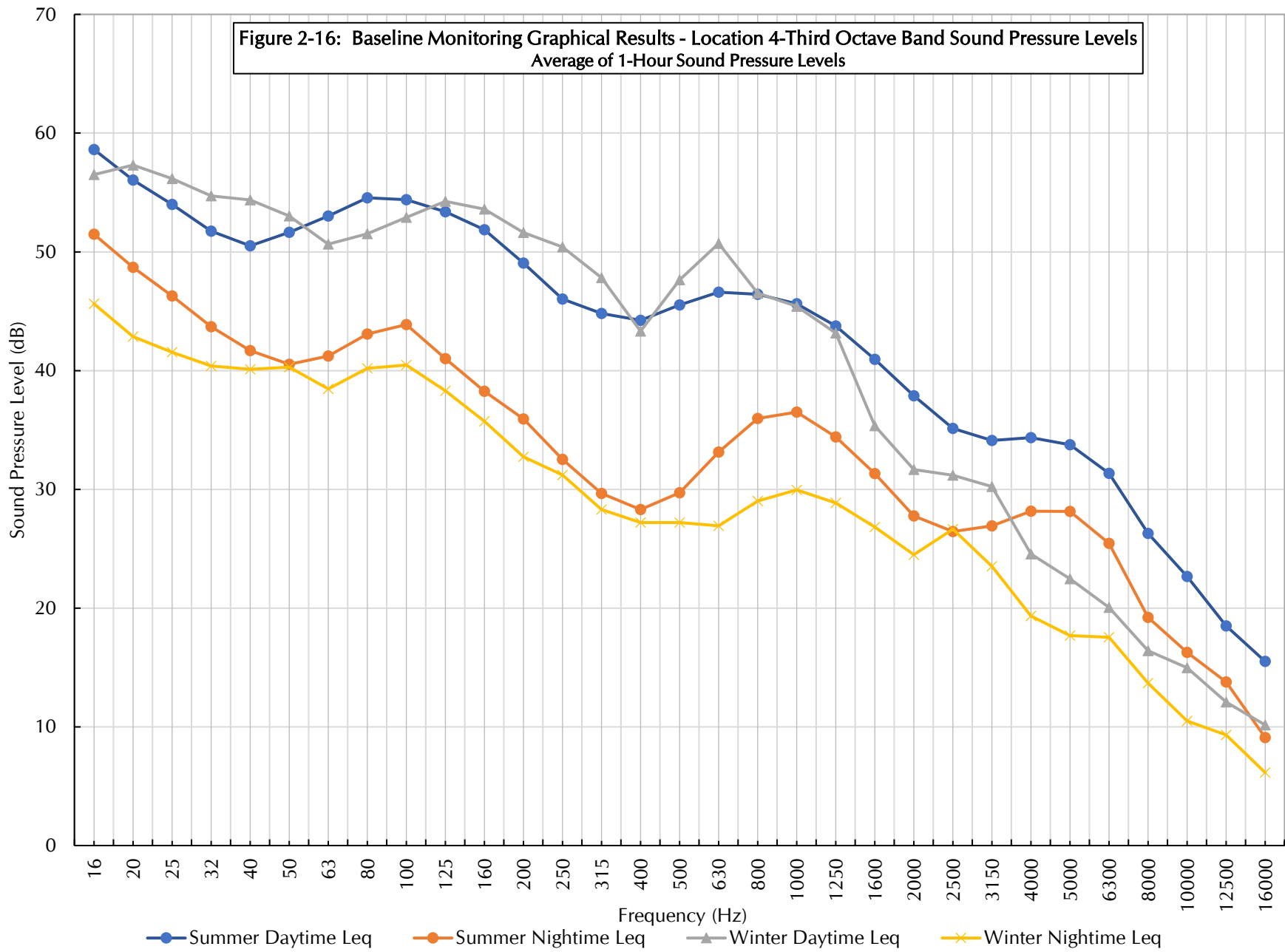


Figure 2-16: Baseline Monitoring Graphical Results - Location 4-Third Octave Band Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels



3.0 SEASONAL SOUND LEVEL MONITORING SUMMARY

A two-season baseline monitoring program was performed for the proposed Watkins Glen Energy Center in 2018 to characterize the existing sound level environment around the Project area. The sound levels measured during the winter and summer monitoring periods are summarized in the following subsections as tabular data by location. Respective ANS-weighted broadband sound levels calculated for the desired summary of interest are tandemly provided with the measured broadband levels within each table. Only valid¹³ 1-hour measurement periods are included in the summary tables. Daytime is defined as the period from 7 AM to 10 PM. Nighttime is defined as the period from 10 PM to 7 AM.

3.1 Daytime Ambient – Lower Tenth Percentile

Measured daytime ambient L₉₀ sound levels are shown below in Table 3-1, as per 1001.19(f)(1). Values are separated by monitoring season as well as for both seasons combined. These values represent the L₉₀ of the measured L₉₀ values. Note that the values for Winter Location 3 and the overall values for Location 3 are not statistically significant due to a lack of valid winter data.

Table 3-1 Daytime Ambient L₉₀ (dBA) Sound Pressure Level Summary

Location	Overall (dBA)		Winter (dBA)		Summer (dBA)	
	Measured	ANS	Measured	ANS	Measured	ANS
Location 1	37	35	36	33	38	36
Location 2	32	30	31	30	32	30
Location 3	28	25	25	23	30	27
Location 4	36	34	35	33	36	34

3.2 Nighttime Ambient – Lower Tenth Percentile

Measured nighttime ambient L₉₀ sound levels are presented below in Table 3-2, as per 1001.19(f)(2) (summer) and (f)(3) (winter). Values are separated by monitoring season as well as for both seasons combined. These values represent the L₉₀ of the measured L₉₀ values. Note that the values for Winter Location 3 and the overall values for Location 3 are not statistically significant due to a lack of valid winter data.

Table 3-2 Nighttime Ambient L₉₀ (dBA) Sound Pressure Level Summary

Location	Overall (dBA)		Winter (dBA)		Summer (dBA)	
	Measured	ANS	Measured	ANS	Measured	ANS
Location 1	27	24	26	24	28	23
Location 2	24	22	25	23	23	20
Location 3	25	21	27	25	22	17
Location 4	27	24	28	24	26	24

¹³ Refer to Chapter 2 for details concerning valid periods.

3.3 Daytime Ambient - Average

Measured daytime average ambient levels are presented in Table 3-3, as per 1001.19(f)(7). The daytime ambient average noise level was calculated by logarithmically averaging sound pressure levels (Leq) (after exclusions) from the background sound level measurements over the daytime period at each monitoring location. These calculations include both summer and winter data combined. Note that the values for Winter Location 3 and the overall values for Location 3 are not statistically significant due to a lack of valid winter data.

Table 3-3 Daytime Ambient L_{eq} (dBA) Sound Pressure Level Summary

Location	Overall (dBA)		Winter (dBA)		Summer (dBA)	
	Measured	ANS	Measured	ANS	Measured	ANS
Location 1	52	51	51	49	53	52
Location 2	43	42	41	40	45	44
Location 3	42	39	41	38	42	40
Location 4	50	49	46	45	52	51

3.4 Nighttime Ambient - Average

Measured nighttime average ambient levels are presented in Table 3-4. The nighttime ambient average noise level was calculated by logarithmically averaging sound pressure levels (Leq) (after exclusions) from the background sound level measurements over the nighttime period at each monitoring location. These calculations include both summer and winter data combined. Note that the values for Winter Location 3 and the overall values for Location 3 are not statistically significant due to a lack of valid winter data.

Table 3-4 Nighttime Ambient L_{eq} (dBA) Sound Pressure Level Summary

Location	Overall (dBA)		Winter (dBA)		Summer (dBA)	
	Measured	ANS	Measured	ANS	Measured	ANS
Location 1	43	39	43	41	42	36
Location 2	33	31	33	31	32	30
Location 3	36	34	38	37	30	27
Location 4	38	37	36	34	40	39

3.5 Temporal Accuracy

The temporal accuracy section of the ANSI S12.9-1992/Part 2 document requires that the data collection must be long enough to achieve the desired confidence interval. The goal of the sound measurement program is to achieve a 95% confidence interval which would allow for a statement of 95% confidence that the true long-term average sound level falls within the given interval. The size of this confidence interval places the data set into one of three categories referred to as Class A, Class B, and Class C, listed here from most precise to least precise.

To determine the temporal accuracy, the mean square average sound level must be obtained using equation 2 of section 9.5 of the ANSI S12.9-1992/Part 2 document. In this equation, the sample standard deviation and average are used to determine the mean square average. These pieces of information are then combined with the information presented in Table 1 of section 9.5 of the standard to determine the upper and lower bounds of the 95% confidence interval. The equations for the upper and lower bound of the confidence interval are equations 3 and 4 of section 9.5 of the standard respectively. If there are data sets where the number of samples was outside the range covered by the information in Table 1, the source data presented in the Crow et al. document cited in the standard is used to calculate the necessary 'k1' and 'k2' values. A two-tailed 't' interval function is used to generate the necessary 't' value.

To use the equations in the Temporal Accuracy section, the raw data set must be shown to be approximately normal. This can be obtained by following the directions laid out in Appendix D of the standard. The method used in the standard is the Kolmogorov-Smirnov test for normality of data. In general, the Kolmogorov-Smirnov test takes the actual repetition of a measurement and compares it to the expected repetition based on the average and standard deviation of the sample. The difference between the actual and expected recurrence is then compared to a critical value that is based on the number of samples and desired confidence level. If any measured value has a difference between expected and actual recurrence that exceeds the critical value, the data shall not be approximated as normal.

Tables 3-5 through 3-10 present the 95% CI of the valid measured L_{90} sound level data at each site for Summer Daytime, Summer Nighttime, Winter Daytime, Winter Nighttime, Yearly Daytime, and Yearly Nighttime periods, respectively. The "Yearly Daytime" and "Yearly Nighttime" are composed of the summer and winter data combined for each time period (day or night). Each sample represents one full daytime (7 a.m. – 10 p.m.) or nighttime (10 p.m. – 7 a.m.) period in which more than 50% of the 1-hour records were valid. The same information is presented in Tables 3-11 to 3-16 for the measured L_{eq} sound levels at each site. All sound levels in Tables 3-5 to 3-16 are ANS-filtered. Note that values for Winter Location 3 are intentionally left blank (Tables 3-7, 3-8, 3-13, and 3-14). Due to a meter malfunction, only 20 hours of valid data was collected during the winter measuring period at Location 3 (Tables 3-9, 3-10, 3-15, and 3-16).

Table 3-5 Temporal Accuracy Summary – Summer Daytime L90

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	3	33.64	11.85	28.94	Worse than Class C	Normal
Location 2	3	30.87	18.56	64.18	Worse than Class C	Normal
Location 3	3	25.63	12.90	33.62	Worse than Class C	Normal
Location 4	3	34.19	18.19	61.97	Worse than Class C	Normal

Table 3-6 Temporal Accuracy Summary – Summer Nighttime L90

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	3	22.85	11.64	28.04	Worse than Class C	Normal
Location 2	3	19.68	12.51	31.86	Worse than Class C	Normal
Location 3	3	15.33	7.79	14.04	Worse than Class C	Normal
Location 4	3	28.43	20.69	77.69	Worse than Class C	Normal

Table 3-7 Temporal Accuracy Summary – Winter Daytime L90

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	6	25.57	1.58	1.73	Class A	Normal
Location 2	6	23.54	2.00	2.30	Class B	Normal
Location 3	-	-	-	-	-	-
Location 4	6	25.79	2.52	3.10	Class C	Normal

Table 3-8 Temporal Accuracy Summary – Winter Nighttime L90

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	6	24.21	3.61	5.07	Worse than Class C	Normal
Location 2	6	24.51	5.56	9.57	Worse than Class C	Normal
Location 3	-	-	-	-	-	-
Location 4	6	24.46	4.16	6.21	Worse than Class C	Normal

Table 3-9 Temporal Accuracy Summary – Yearly Daytime L90

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	9	29.01	3.22	4.41	Class C	Normal
Location 2	9	25.59	3.28	4.52	Class C	Normal
Location 3	4	24.11	7.95	16.27	Worse than Class C	Normal
Location 4	9	28.43	3.60	5.14	Worse than Class C	Normal

Table 3-10 Temporal Accuracy Summary – Yearly Nighttime L90

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	9	23.69	3.03	4.06	Class C	Normal
Location 2	9	23.23	4.48	6.95	Worse than Class C	Normal
Location 3	4	18.33	7.36	14.33	Worse than Class C	Normal
Location 4	9	25.19	4.27	6.51	Worse than Class C	Normal

Table 3-11 Temporal Accuracy Summary - Summer Daytime Leq

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	3	59.27	14.17	39.78	Worse than Class C	Normal
Location 2	3	47.90	6.14	9.54	Worse than Class C	Normal
Location 3	3	44.20	7.49	13.14	Worse than Class C	Normal
Location 4	3	54.47	7.73	13.87	Worse than Class C	Normal

Table 3-12 Temporal Accuracy Summary – Summer Nighttime Leq

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	3	43.10	4.52	6.03	Worse than Class C	Normal
Location 2	3	35.06	4.99	6.95	Worse than Class C	Normal
Location 3	3	30.84	0.85	0.86	Class A	Normal
Location 4	3	41.66	0.61	0.62	Class A	Normal

Table 3-13 Temporal Accuracy Summary - Winter Daytime Leq

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	6	50.00	0.99	1.03	Class A	Normal
Location 2	6	42.49	2.26	2.69	Class B	Normal
Location 3	-	-	-	-	-	-
Location 4	6	56.11	9.95	22.62	Worse than Class C	Normal

Table 3-14 Temporal Accuracy Summary - Winter Nighttime Leq

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	6	45.15	2.31	2.77	Class B	Normal
Location 2	6	37.37	5.88	10.40	Worse than Class C	Normal
Location 3	-	-	-	-	-	-
Location 4	6	36.82	1.69	1.88	Class A	Normal

Table 3-15 Temporal Accuracy Summary - Yearly Daytime Leq

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	9	53.77	3.39	4.73	Class C	Normal
Location 2	9	45.00	2.70	3.48	Class C	Normal
Location 3	4	43.31	5.10	7.97	Worse than Class C	Normal
Location 4	9	55.76	6.32	11.17	Worse than Class C	Normal

Table 3-16 Temporal Accuracy Summary - Yearly Nighttime Leq

Location	# of Samples	95% CI Mean (dBA)	Lower CI (dBA)	Upper CI (dBA)	Measurement Class	Normality
Location 1	9	44.51	1.70	1.93	Class A	Normal
Location 2	9	36.43	3.49	4.92	Class C	Normal
Location 3	4	34.67	6.57	11.92	Worse than Class C	Normal
Location 4	9	39.18	2.28	2.79	Class B	Normal

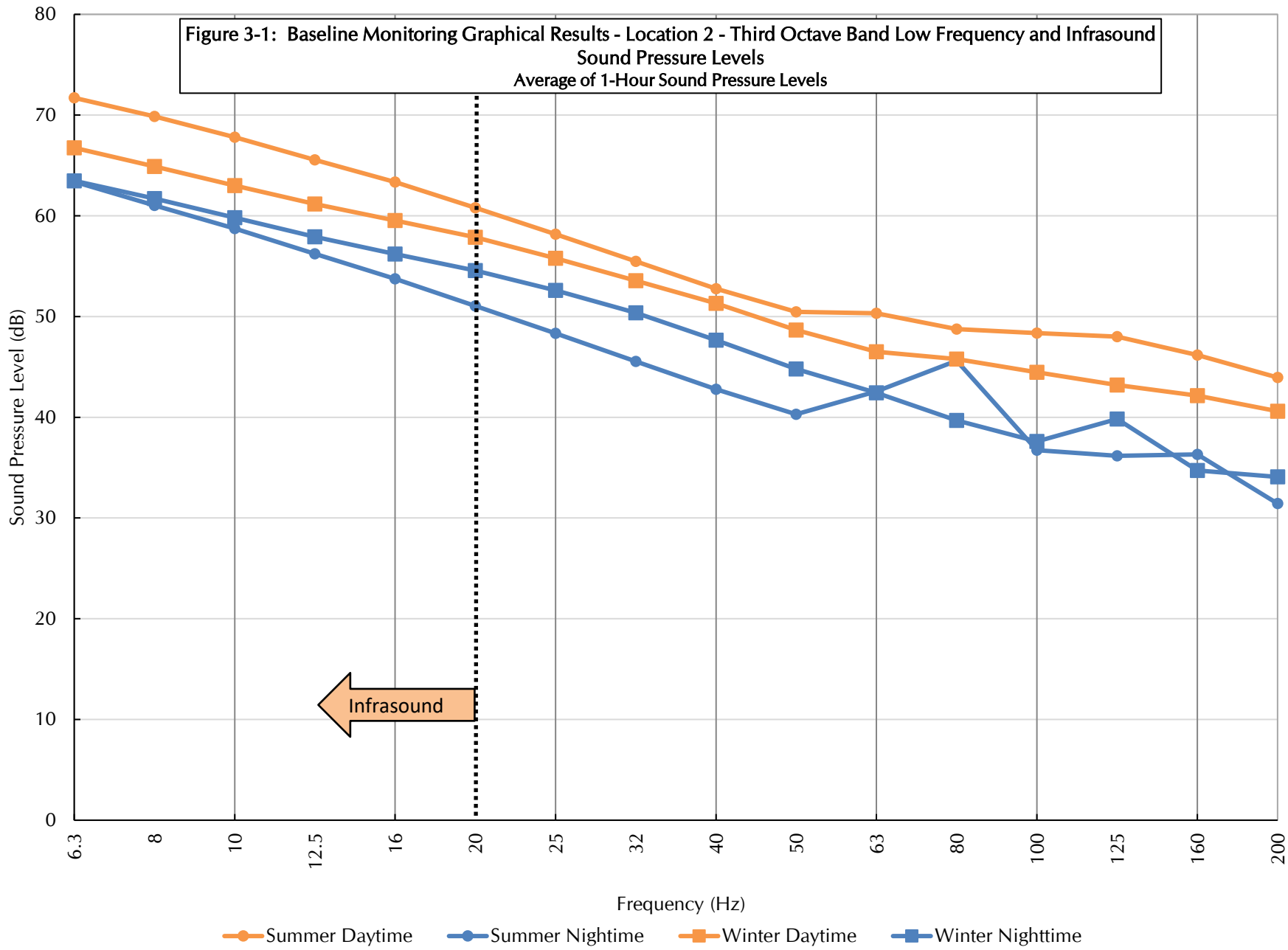
3.6 Infrasound and Low Frequency

Infrasound and low frequency sound pressure levels were measured at all locations in both the summer and winter seasons. The frequency range of these data is from 6.3 Hz to 200 Hz. The sound levels were summarized by averaging¹⁴ sound level data from all valid¹⁵ winter daytime 1-hour periods, winter nighttime 1-hour periods, summer daytime 1-hour periods, and summer nighttime 1-hour periods within each one-third octave band. Winter and summer infrasound data collected at Location 2 are presented in Figure 3-1. This location was chosen for its centralized location within the project area.

¹⁴ Logarithmic (energy) average of equivalent (Leq) sound pressure levels.

¹⁵ Refer to Chapter 2 for details concerning valid periods.

Figure 3-1: Baseline Monitoring Graphical Results - Location 2 - Third Octave Band Low Frequency and Infrasound
Sound Pressure Levels
Average of 1-Hour Sound Pressure Levels



Appendix A

Windscreen Insertion Loss

Experimental study to determine wind-induced noise and windscreen attenuation effects on microphone response for environmental wind turbine and other applications

George F. Hessler^{a)}, David M. Hessler^{b)}, Peter Brandstätt^{c)} and Karlheinz Bay^{d)}

(Received: 23 February 2008; Revised: 30 May 2008; Accepted: 31 May 2008)

Despite the use of windscreens, the measurement of ambient sound levels or noise emissions in quiet environments can be adversely affected by wind blowing over the microphone. This is especially true when environmental impact assessments are being carried out for proposed wind turbine power projects - where the objective is to determine the level of background masking noise available as a function of wind speed, since any potential noise impact from the project will only occur under moderately windy conditions. Under calm conditions the project will produce no noise at all. A number of windscreen products are commercially available for short and long-term sound level monitoring in adverse weather conditions. Generally, these windscreens vary by physical size and the method of preventing water from reaching the microphone. High frequency attenuation effects are usually available from the product suppliers but, in general, low frequency turbulence effects are not available. Consequently, a controlled laboratory test program was carried out in a state-of-the-art wind tunnel at the Fraunhofer Institut für Bauphysik in Stuttgart, Germany to quantify the level of low frequency interference (down to 6.3 Hz) associated with a number of different foam windscreens and an aerodynamic microphone nose cone. A total of nine configurations were tested with “quiet” airflow only, artificial noise only and noise plus airflow to evaluate both low frequency wind induced noise and high frequency attenuation effects. The test program demonstrated that the largest size foam-based windscreens provided the most protection from flow induced noise due to wind. Flow induced noise by air flow alone was estimated from the study results and compared to community noise measurements at a typical wind turbine site. It was determined that flow induced wind noise does not have a significant or detrimental effect on the measurement of A-weighted sound levels under wind conditions of concern as long as the suggested measurement techniques described herein are followed.

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Primary subject classification: 71.1.1; Secondary subject classification: 21.6

1 INTRODUCTION

It is a challenge to measure ambient or background levels in quiet, rural environments. Such areas are usually devoid of any major noise sources, such as

highways, industrial facilities or airports. Except for occasional, usually man-made, noise events the sound level in rural environments is normally dominated by the rustling of tree leaves or branches in the wind or by the high frequency sounds of insects during the warmer months of the year. For wind turbine power project assessments, ambient sound levels when the wind is blowing in the 3 to 10 m/s range (measured at 10 m above the surface) is very relevant because that is when typical wind turbines first begin to generate significant noise. At higher wind speeds turbine sound levels remain largely constant while the background sound continues to increase. Consequently, background sound

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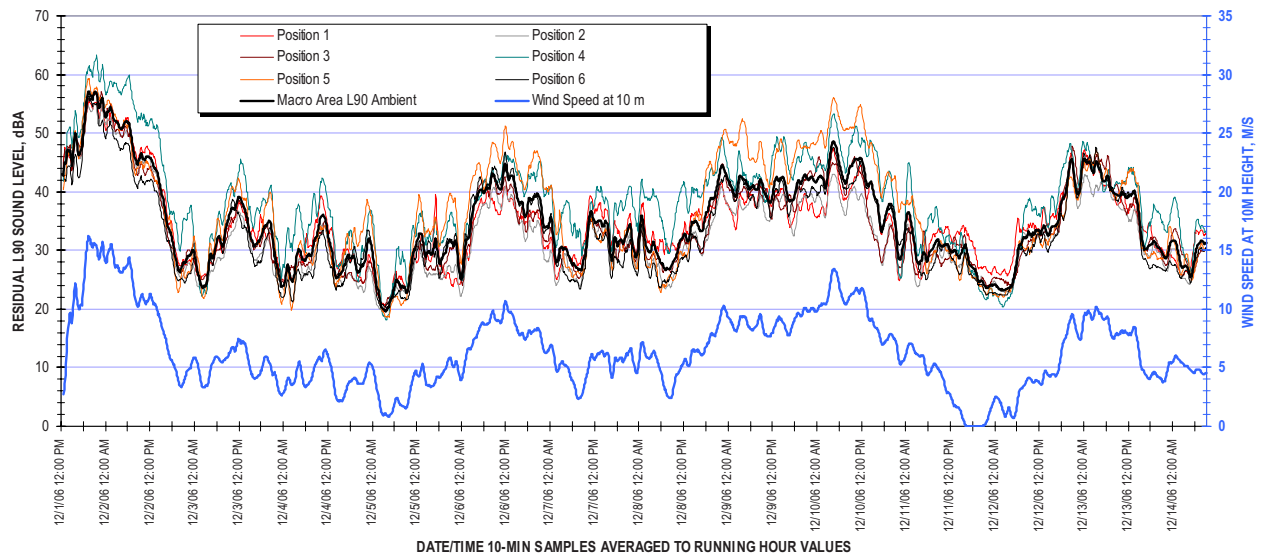


Fig. 1—Measured residual LA90 ambient sound levels at six widely spaced locations in a quiet rural area compared to wind speed over a 13 day period.

levels that occur during moderate winds are of the most interest. Reference 1 offers techniques for measuring wind turbine sources using a ground plane microphone setup to eliminate wind induced noise, but background

baseline measurements are made above grade with wind.

In general, experience with (insect-free) wintertime surveys at rural sites indicates that there is normally an

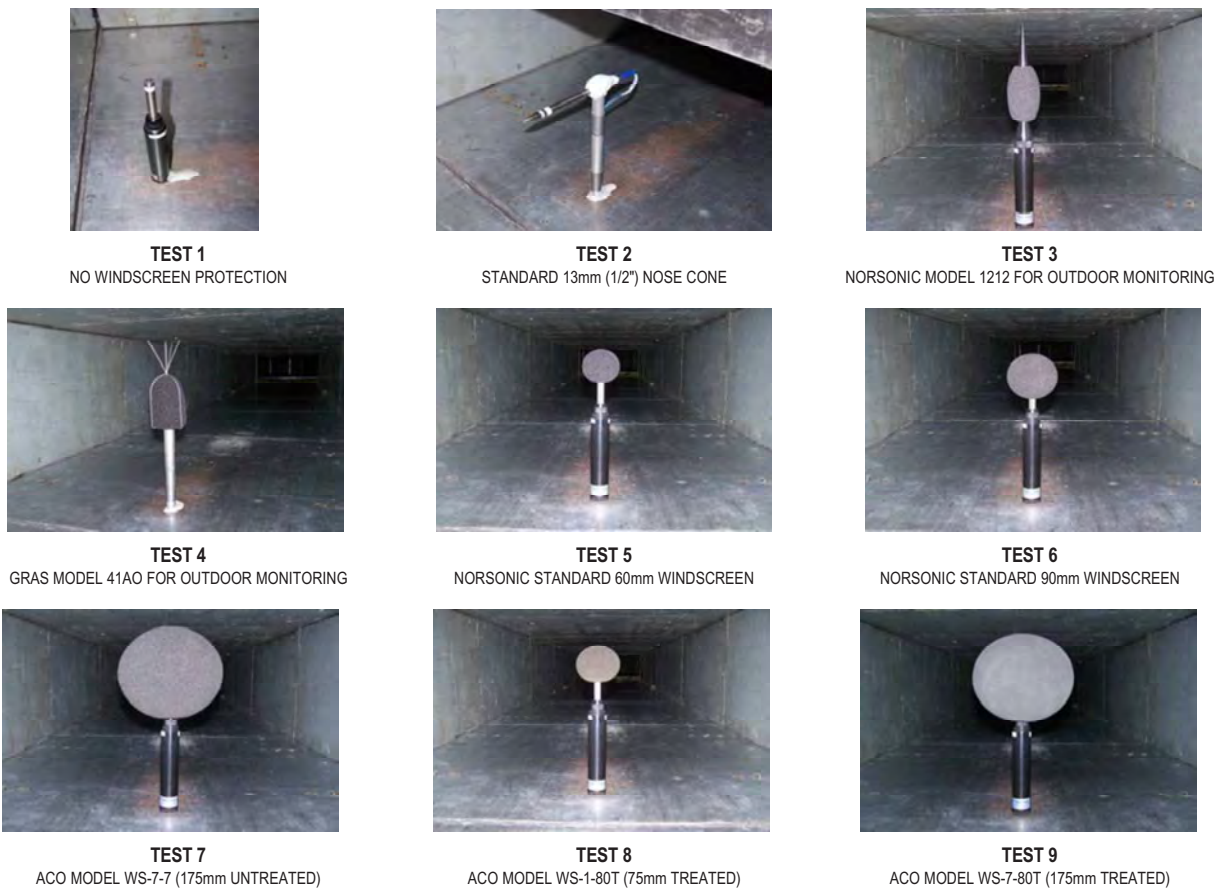


Fig. 2—Photographs of nine microphone test configurations.

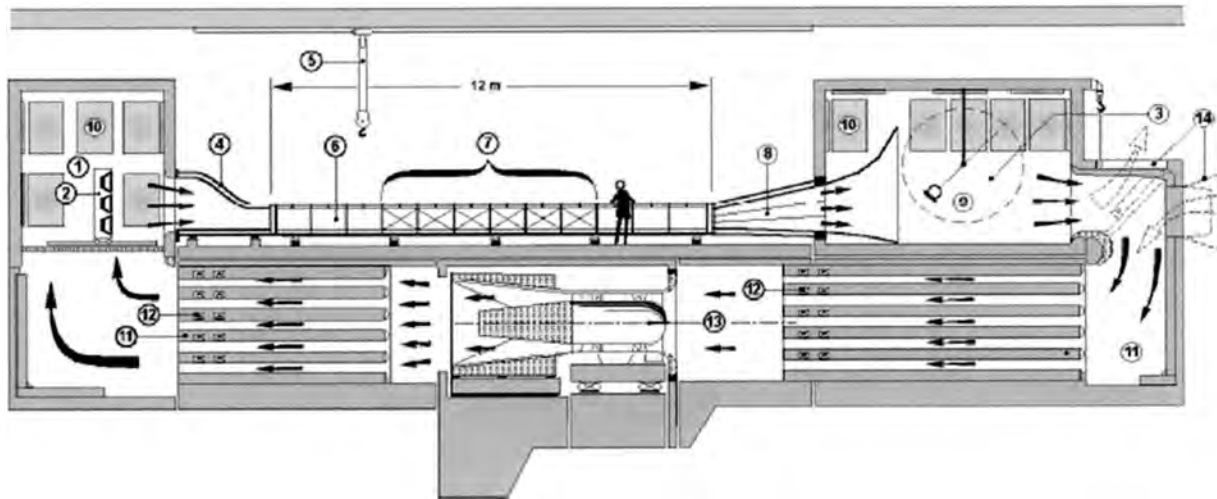


Fig. 3—Cross sectional elevation view of silencer test facility.

excellent correlation between wind speeds and the ambient residual (L90) sound levels as shown on Fig. 1. Of course, such a high degree of correlation could result if the microphone response was dominated by wind-induced turbulence effects around the microphone as opposed to the true ambient sound level signal. Hence, the purpose of this study is to quantitatively address this uncertainty and determine, for a number of common windscreens types, if/when any substantial contamination occurs over a range of wind speeds.

Nine microphone configurations, as illustrated in Fig. 2, were tested under controlled conditions in a wind tunnel duct using quiet airflow only, artificial noise only (at three volumes) and airflow plus artificial noise. Ninety degree incidence is used to duplicate ambient sound measurement survey techniques, but the nose cone (B&K model UA 0386) was aimed into the flow stream. Windscreens for tests 3, 4, 8 and 9 are products available for long-term outdoor monitoring. The foam ball ACO Pacific models (tests 8 and 9) are specifically treated to shed rain water while the other foam balls are not intended for outdoor rain exposure. Measurements were carried out at duct velocities of 2.5, 5, 10, 20 and 30 m/s (8, 16, 33, 66 and 98 ft/s, or 6, 11, 22, 45 and 67 mph). The test results are also useful for determining flow turbulence effects when measuring industrial noise sources in the presence of airflow, as well as for outdoor environmental measurements.

The test program was carried out at the Fraunhofer Institute of Building Physics located in Stuttgart, Germany at their aero-acoustic wind tunnel illustrated on Fig. 3. Note the large silencers on the inlet and exhaust path of the airflow fan and the structural isolation of the test duct. The airflow delivered to the duct test section is essentially free of fan noise or is “quiet” air. The airflow in the duct cross section has an even distribution without swirl or turbulences as it is supplied through a stilling chamber and an air inlet profile. The duct cross section of 1 m by 0.5 m was held constant over the complete length for all measurements. In this way re-generated noise was kept at a minimum. Measurements were made with a Norsonic 840 Analyzer, Norsonic Model 1201 preamp and 1/2 inch (13 mm) diameter Model 1225 microphone.

2 LOW FREQUENCY TURBULENCE EFFECTS - FLOW MEASUREMENTS

The raw measured data for all configurations at the five airflow speeds are plotted on Fig. 4. It is certainly not news, but the data clearly demonstrate that even the most modest foam windscreen should always be used when outdoors, since it dramatically improves the low and mid frequency microphone response. Because the extreme low frequencies are significantly affected by flow induced noise even at fairly low wind speeds, these plots also show that whenever low level very low frequency or C-weighted sound levels must be measured outdoors such measurements should only be carried out under completely calm conditions.

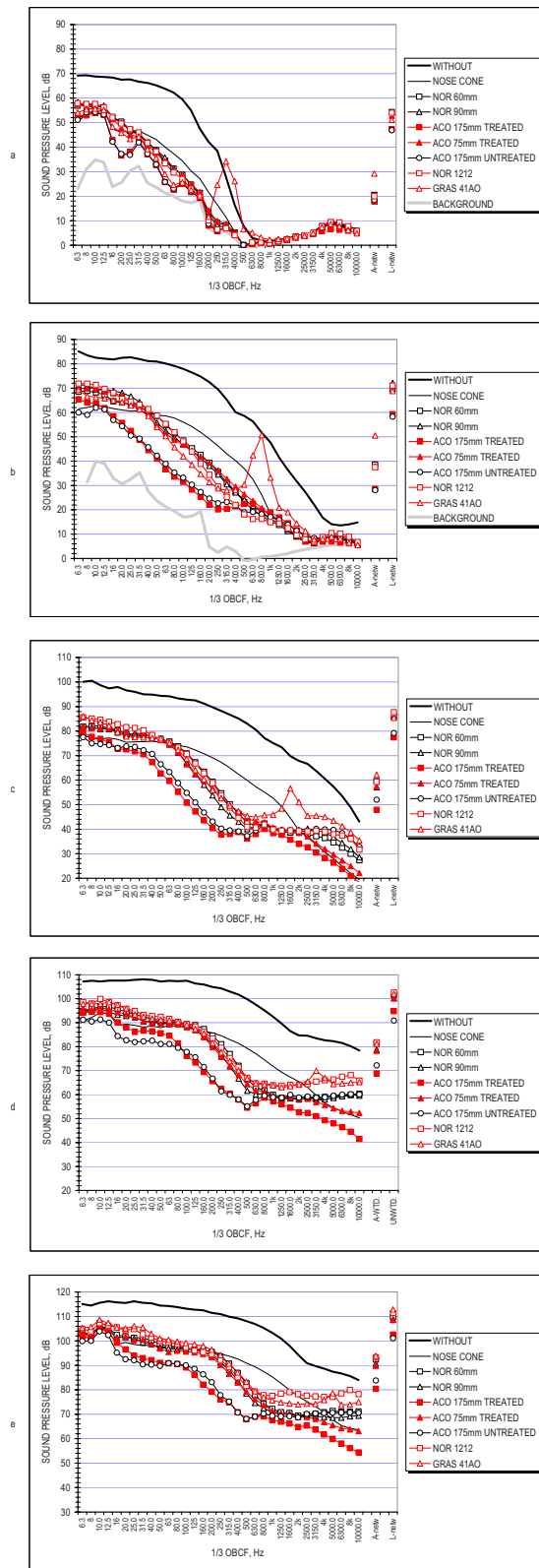


Fig. 4—Measured microphone response at five velocities (2.5, 5, 10, 20 and 30 m/s, graph a through e).

The second trend immediately noticeable is that the two larger (175 mm diameter) windscreens are significantly better at reducing flow induced noise at low and

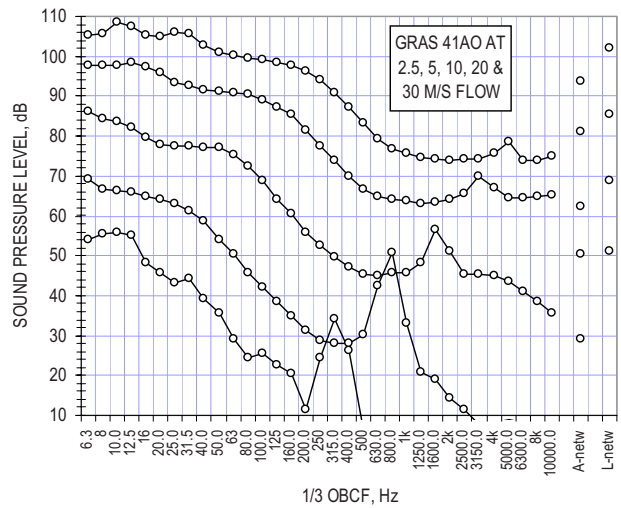


Fig. 5—Graph showing flow generated tonal noise associated with the gap between foam and wire.

mid frequencies. Flow-induced noise levels are on the order of 10 dB lower for this type of windscreen than they are for all others. Prior studies have shown this relationship and an excellent analytical study and summary of microphone response to turbulence is presented by van den Berg in Ref. 2. This testing quantifies the improvement and low frequency performance for readily available current wind protection products.

All of the plots, but particularly the lower wind speed cases, show a tonal aberration for the GRAS model 41AO windscreen. A frequency shift with wind velocity can clearly be seen in Fig. 5, which shows only the results for this model windscreen at all five wind speeds. This behavior was initially attributed to vortex shedding from the bird spike wires (each 1.5 mm in diameter) where the frequency may be calculated by the well known equation:

$$f = Sv/d \quad (1)$$

where,

S—the Strouhal number of 0.2

v=velocity, m/s

d=diameter, m

This calculation indicated that the 315, 630, 1250, 2500 and 5000 Hz 1/3 octave bands would be excited by vortex shedding, but the actual measurements showed that the affected bands were 315, 800, 1600, 3150 and 5000 Hz. Further diagnostic testing demonstrated that the peaks are caused by the gap between the

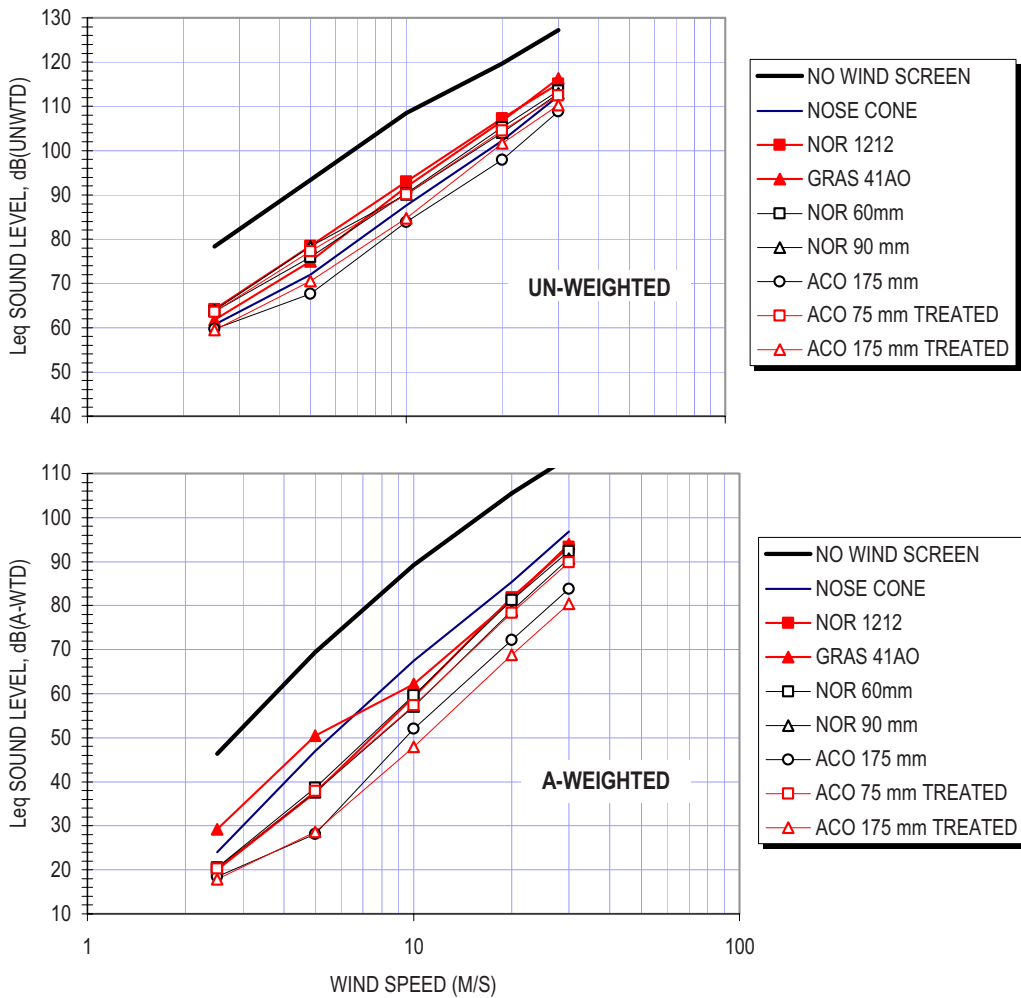


Fig. 6—Plot of overall flow noise response for windscreen models. Upper: Un-weighted level, Lower: A-weighted level.

wire bird spike base and the top of the windscreen. Apparently small mini-jets are created by this gap and it was found that this noise could be reduced by a closer fit between the foam screen and the wire. The gap should be eliminated when employing this model for monitoring.

Figure 6 plots the overall measured values of flow-generated noise as a function of air flow velocity. When plotted on a logarithmic scale, the data show a linear increase with velocity for all models. The overall, un-weighted sound level slope is a v^5 relationship, or approximately a 15 dB increase for each doubling of velocity, whereas the A-weighted results are a v^6 relationship, or approximately 18 dBA increase per doubling. Table 1 tabulates the overall measured values at each velocity for each model windscreen. These data can be used to derive a logarithmic expression for the self-generated noise level as a

function of wind speed for any of the tested windscreens. For example, data for the treated ACO 175 mm windscreen leads to the following approximate equation for estimating the A-weighted flow induced noise level for the wind speed at the microphone location. Wind speed at 10 m elevation is the standardized elevation for rating wind turbines as given in Ref. 1 but this equation applies at the microphone location.

$$L_{fin} = 27.4 \ln(v) - 10.7, \text{ dBA} \quad (2)$$

where,

L_{fin} = the A-weighted flow-induced-noise level due only to wind

v = the wind speed at the microphone, m/s

Table 1—Measured overall levels for microphone response with and without windscreens at five velocity settings. Lowest response results are for the 175 mm size windscreens.

		FLOW SPEED M/S (MPH)				
		2.5	5	10	20	30
A-WTD						
T1	NO WIND SCREEN	46	69	89	106	114
T2	NOSE CONE	24	47	68	85	97
T3	NOR 1212	20	38	59	82	93
T4	GRAS 41AO	29	51	62	81	94
T5	NOR 60 mm	21	39	60	81	92
T6	NOR 90 mm	20	38	57	79	91
T7	ACO 175 mm	18	28	52	72	84
T8	ACO 75 mm TREATED	20	38	57	78	90
T9	ACO 175 mm TREATED	18	29	48	69	80
UNWTD						
		FLOW SPEED M/S (MPH)				
		2.5	5	10	20	30
T1	NO WIND SCREEN	78	93	109	120	127
T2	NOSE CONE	61	72	88	102	112
T3	NOR 1212	64	79	93	107	115
T4	GRAS 41AO	62	75	92	107	116
T5	NOR 60 mm	64	76	90	105	114
T6	NOR 90 mm	64	78	90	104	113
T7	ACO 175 mm	60	68	84	98	109
T8	ACO 75 mm TREATED	64	77	90	105	113
T9	ACO 175 mm TREATED	60	71	85	102	110

3 ATTENUATION EFFECTS –ARTIFICIAL NOISE MEASUREMENTS

The measured sound levels in the duct at three volumes of artificial loud speaker noise (without any airflow) are plotted in Fig. 7. The fairly significant response variances at frequencies below 50 Hz are attributable to longitudinal in-duct resonances. Variable levels of external low frequency background noise outside the test duct at the facility may have also contributed to the scatter and loudspeaker output is poor at frequencies below 20 Hz. An improved signal to background noise ratio is suspected as the reason for better data grouping at the highest volume. There is no reason to believe that windscreens have any attenuation or amplification effects at these low frequencies. To verify this, testing was repeated in the facilities anechoic free-field environment. Figure 8 plots the raw data for this test and it is readily apparent that the low frequency variations are absent for a free progressive wave in an anechoic room as opposed to the wave front in a duct containing lateral reflections.

At the high end of the frequency spectrum the plots consistently show the same, model-dependent trends

such as the significant attenuation of the ACO 175 mm treated windscreen at all frequencies above about 1250 Hz. Figure 9 shows the averaged attenuation for the three volumes in 1/3 octave bands for all windscreen models tested. Negative attenuation, or amplification of the signal, is significant for the nose cone and Nor 1212 outdoor windscreen. Table 2 tabulates the measured attenuations.

In general, the relatively large high frequency attenuation associated with the ACO 175 mm treated windscreen means that any un-corrected measurements made with it would be somewhat lower on an overall A-weighted basis than the actual value and therefore conservative in background survey applications. The overall noise reduction of this windscreen would depend on the frequency spectrum shape of the sound being measured but appears to be in 2 to 5 dBA range (neglecting any possible counteracting increases due to wind-induced effects). This low-pass filter quality could actually be beneficial in cases where unwanted summertime insect noise (generally above 2 kHz) is present. This contamination would be automatically

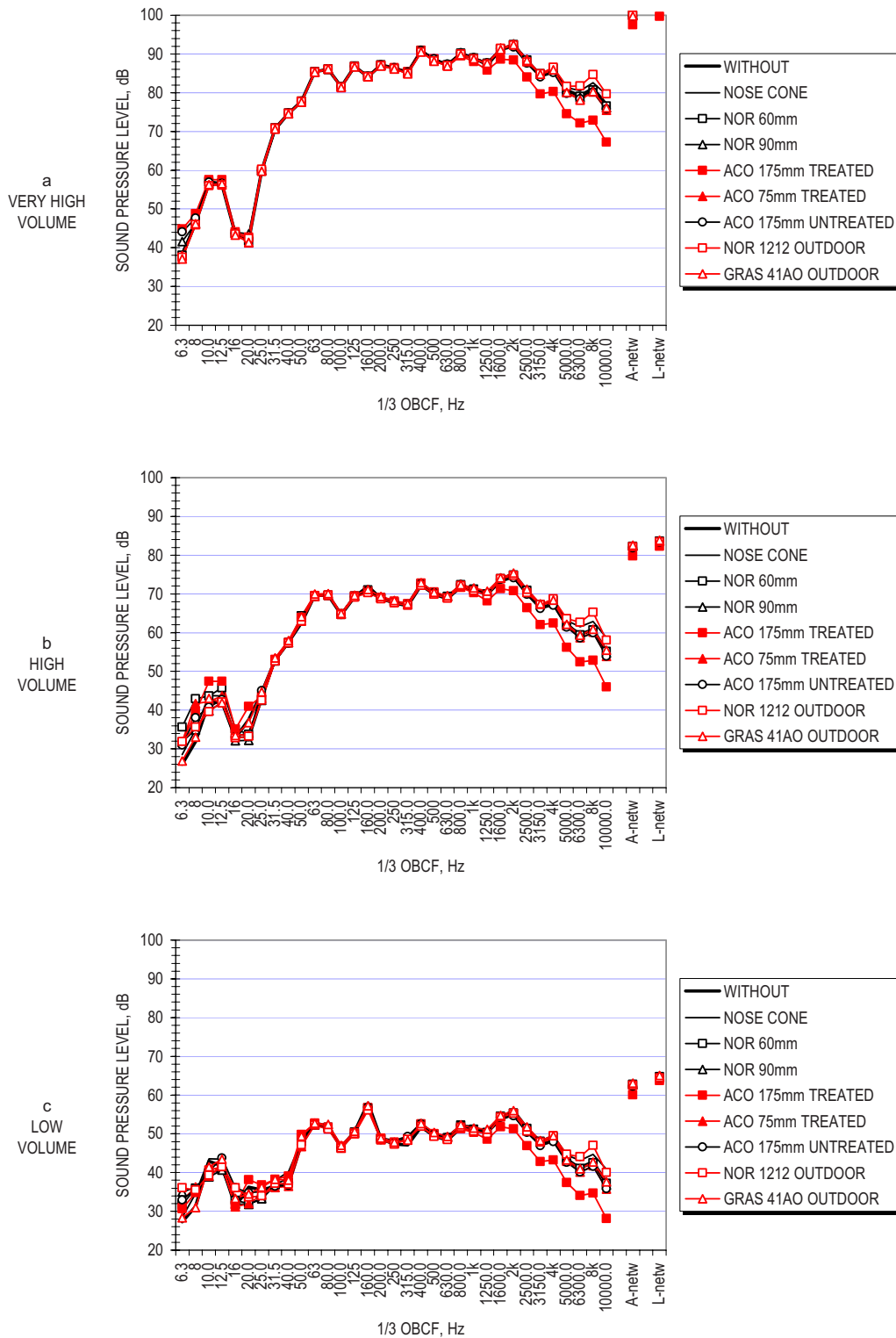


Fig. 7—Measured response with three volumes of artificial noise in the duct.

minimized, though not necessarily eliminated, through the use of this windscreen

4 FLOW AND NOISE MEASUREMENTS

The combined flow and noise measurements serve to illustrate the accuracy of the measurements and the

benefits of using windscreens. Figure 10 plots the flow only, noise only and the combined flow and noise measurements for three cases: no windscreen, minimum diameter and maximum diameter foam windscreens. The point where the flow only and noise only traces cross essentially defines the minimum

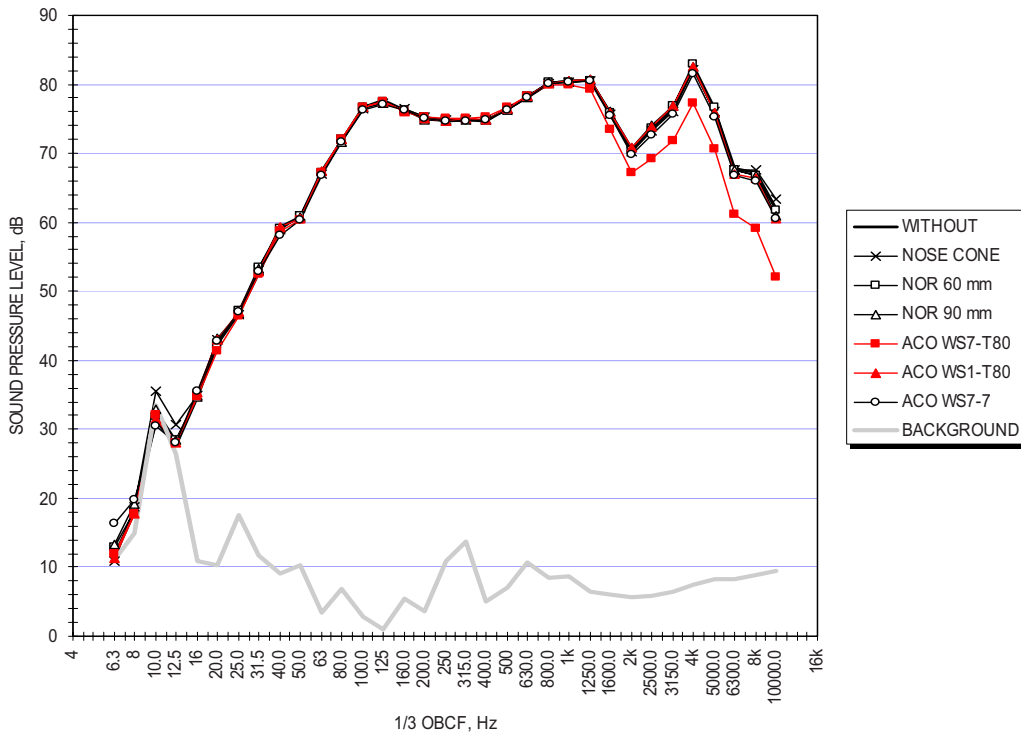


Fig. 8—Measured sound pressure spectra for five windscreen models in an anechoic chamber.

frequency at which valid data can be measured during, in this case, a 10 m/s wind. Without a windscreen, almost the entire spectrum (0 to 6300 Hz) is dominated by the 10 m/s flow noise. At the same 10 m/s flow

speed; however, accurate measurements can be made in all bands above 125 Hz using only a 60 mm windscreen. The frequency response is improved to above 50 Hz using the largest (175 mm) windscreen.

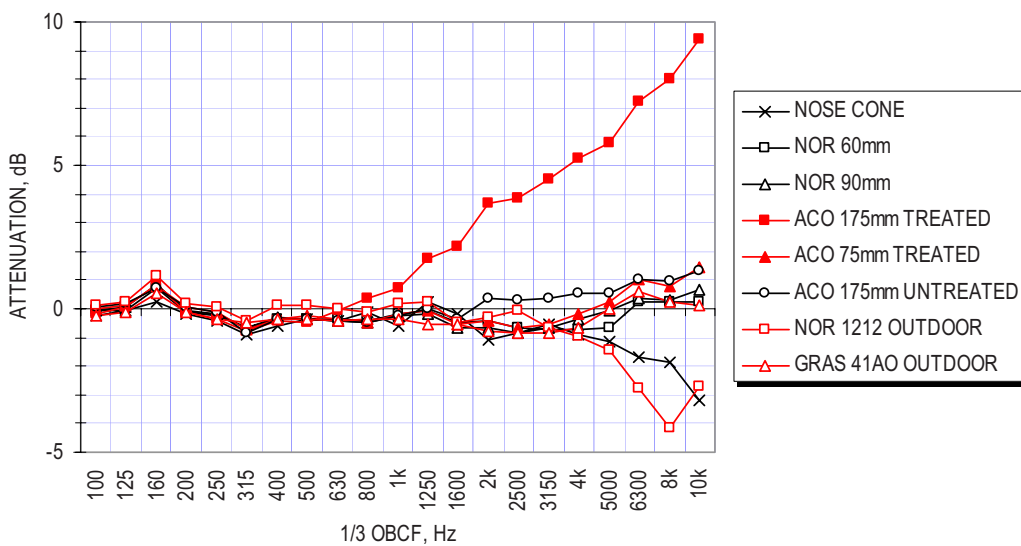


Fig. 9—Measured microphone response attenuation for windscreen models for 90 degree sound incidence.

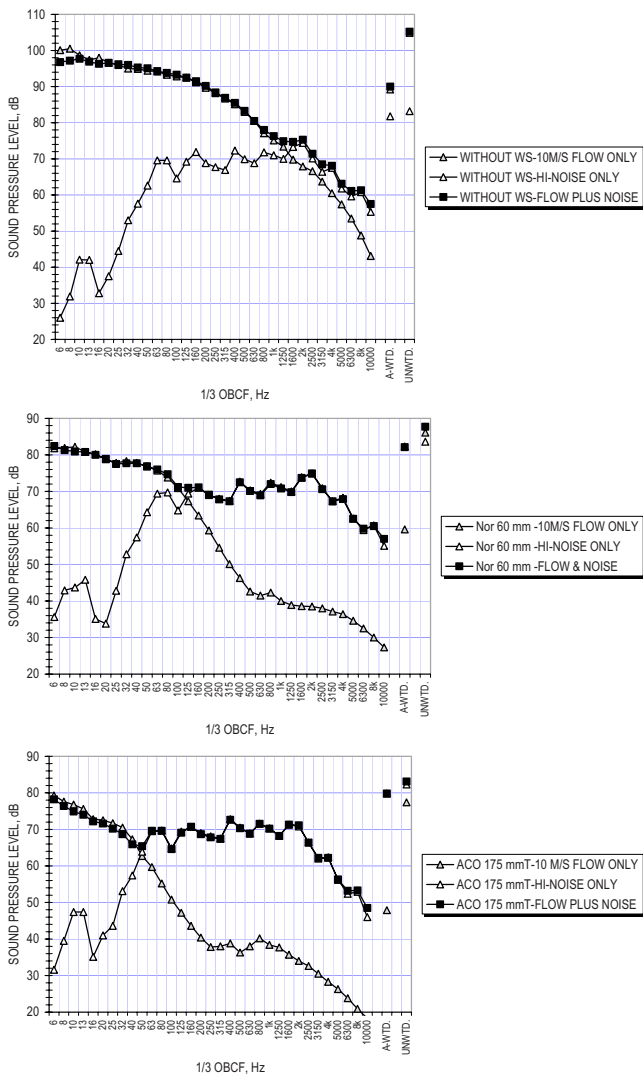


Fig. 10—Flow only, noise only and flow and noise measurements.

5 CONCLUSIONS AND RECOMMENDATIONS

The data show that reasonably good results when measuring in low to moderate wind conditions are possible even with conventional 60 mm windscreens, but that a larger (175 mm) diameter windscreen offers significantly better performance in the lower frequencies.

In the special case of background sound level surveys for wind turbine projects, where the objective is to determine the environmental sound level/masking level as a function of wind speed, the suggested practice based on this lab study is to use a large 175 mm windscreen and mount the microphone at a maximum elevation of about 1 m above grade. This latter step helps ensure that the microphone is exposed to relatively low wind speeds, since the nominal wind velocity profile, Eqn. (7) in Ref. 1 has a parabolic shape where the velocity decreases rapidly near the ground – theoretically going to zero at the surface. For example, a wind speed of 10 m/s (22.4 mph) measured at a standardized elevation of 10 m would translate to a nominal speed of 5.6 m/s (12.5 mph) at only 1 m above the surface. The wind speed range of most relevance to wind turbine analyses is usually in the 5 to 8 m/s range as measured at 10 m; consequently, a microphone at 1 m would be exposed to nominal flow velocities of 2.8 m/s (6.3 mph) to 4.5 m/s (10.1 mph) where the A-weighted flow induced noise levels would

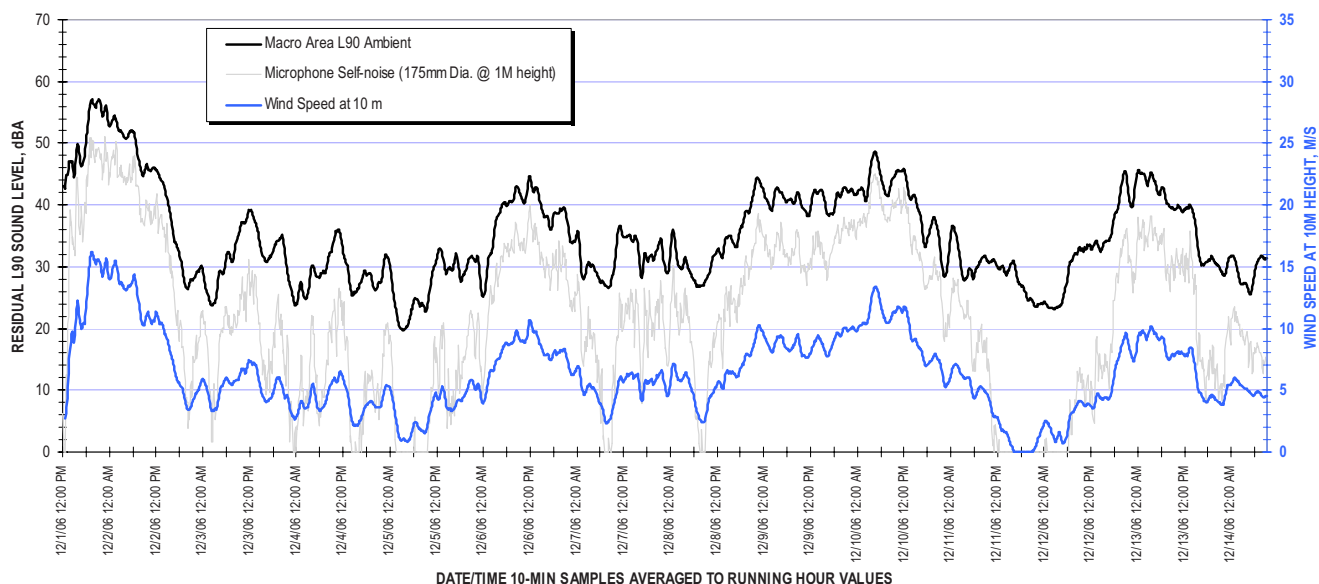


Fig. 11—Measured community ambient level compared to estimated microphone response to wind.

Table 2—Measured attenuation for windscreen models, 90 degree sound incidence.

1/3 OBCF, Hz	NOR 60 mm	NOR 90 mm	ACO		ACO	NOR1212 OUTDOOR	GRAS41AO OUTDOOR	NOSE CONE
			175 mm TREATED	75 mm TREATED	175 mm UNTREATED			
100	0.0	-0.1	-0.2	0.0	0.1	0.1	-0.2	-0.2
125	-0.1	0.1	0.1	0.1	0.2	0.3	-0.1	-0.1
160	0.7	0.9	0.8	0.8	0.7	1.2	0.5	0.2
200	-0.1	0.0	-0.1	0.0	0.1	0.2	-0.1	-0.2
250	-0.2	-0.2	-0.4	-0.1	-0.1	0.0	-0.3	-0.4
315	-0.7	-0.6	-0.8	-0.7	-0.8	-0.4	-0.5	-0.9
400	-0.4	-0.3	-0.4	-0.3	-0.4	0.1	-0.4	-0.6
500	-0.3	-0.3	-0.5	-0.2	-0.3	0.1	-0.3	-0.3
630	-0.4	-0.4	0.0	-0.4	-0.4	0.0	-0.4	-0.4
800	-0.4	-0.5	0.4	-0.5	-0.5	-0.1	-0.3	-0.1
1K	-0.2	-0.2	0.7	-0.2	-0.2	0.2	-0.3	-0.6
1250	0.0	-0.2	1.8	-0.1	0.0	0.3	-0.5	0.3
1600	-0.5	-0.6	2.2	-0.6	-0.3	-0.5	-0.6	-0.2
2K	-0.4	-0.7	3.7	-0.4	0.3	-0.3	-0.8	-1.1
2500	-0.6	-0.8	3.8	-0.7	0.3	0.0	-0.8	-0.8
3150	-0.7	-0.6	4.5	-0.5	0.3	-0.7	-0.8	-0.6
4K	-0.7	-0.3	5.3	-0.2	0.5	-1.0	-0.7	-0.9
5K	-0.6	-0.1	5.8	0.2	0.6	-1.5	0.0	-1.1
6300	0.2	0.3	7.2	1.0	1.0	-2.8	0.6	-1.7
8K	0.2	0.3	8.0	0.8	1.0	-4.1	0.2	-1.9
10K	0.3	0.7	9.4	1.5	1.3	-2.7	0.1	-3.2

range from 18 to 31 dBA. Such levels are low to insignificant even compared to the quiet environmental sound levels that commonly exist in rural areas.

As an example, the self-noise sound levels associated with the field data illustrated in Figure 1 have been calculated from Eqn. (2) above (based on the 10 m wind data converted to 1 m) and used to correct the sound levels actually measured. The measured and corrected sound levels are plotted in Fig. 11. Since the microphone flow induced noise response alone is frequently 8 to 10 dBA below the measured levels, the adjustment is minimal in most instances ($= < 0.5$ dBA) and therefore considered insignificant.

6 ACKNOWLEDGEMENTS

The author wishes to acknowledge both the technical and financial assistance provided by the Norsonic in Germany, Scantek, Inc., GRAS and ACO Pacific in the U.S.

7 REFERENCES

1. International Standard IEC 61400-11, *Wind turbine generator systems – Part 11: “Acoustic noise measurement techniques”*, 2nd edition 2002–12, (2002).
2. G. P. van den Berg, “The sound of high winds: the effect of atmospheric stability on wind turbine sound and microphone noise.” Ph.D. Thesis, National University of Groningen, The Netherlands, (2006).

Appendix B

Certificates of Sound Level Instrument Calibration

Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCCL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)



Calibration Certificate No.39181

Instrument: Sound Level Meter
Model: 831
Manufacturer: Larson Davis
Serial number: 0001993
Tested with: Microphone 377B20 s/n 110889
Preamplifier PRM831 s/n 015260
Type (class): 1
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100 / -0099

Date Calibrated: 8/11/2017 **Cal Due:** 8/11/2018
Status:

Received	Sent
X	X

In tolerance:

X	X
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Out of tolerance:

--	--

See comments:

--	--

Contains non-accredited tests: Yes No
Calibration service: Basic Standard
Address: 3 Mill & Main Place, Suite 250
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Sound Level Meters, Scantek Inc., Rev. 6/26/2015
SLM & Dosimeters – Acoustical Tests, Scantek Inc., Rev. 7/6/2011

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31061	Jul 28, 2017	Scantek, Inc./ NVLAP	Jul 28, 2018
DS-360-SRS	Function Generator	88077	Sep 15, 2016	ACR Env./ A2LA	Sep 15, 2018
34401A-Agilent Technologies	Digital Voltmeter	MY47011118	Sep 15, 2016	ACR Env./ A2LA	Sep 15, 2017
HM30-Thommen	Meteo Station	1040170/39633	Nov 1, 2016	ACR Env./ A2LA	Nov 1, 2017
PC Program 1019 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1251-Norsonic	Calibrator	30878	Nov 10, 2016	Scantek, Inc./ NVLAP	Nov 10, 2017

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
22.2	100.51	53.4

Calibrated by:	Signature	Authorized signatory:	Signature
	Jeremy Gotwalt		Steven E. Marshall
	8/11/17		8/11/2017

Calibration Certificates or Test Reports shall not be reproduced, except in full, without written approval of the laboratory.
This Calibration Certificate or Test Reports shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government.

Results summary: Device complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM IEC/ANSI STANDARDS REFERENCED IN PROCEDURES:	RESULT ^{2,3}	EXPANDED UNCERTAINTY (coverage factor 2) [dB]
INDICATION AT THE CALIBRATION CHECK FREQUENCY - IEC61672-3 ED.2 CLAUSE 10	Passed	0.15
SELF-GENERATED NOISE - IEC 61672-3 ED.2 CLAUSE 11	Passed	0.3
FREQUENCY WEIGHTINGS: A NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.2
FREQUENCY WEIGHTINGS: C NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.2
FREQUENCY WEIGHTINGS: Z NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.2
FREQUENCY AND TIME WEIGHTINGS AT 1 KHZ IEC 61672-3 ED.2.0 CLAUSE 14	Passed	0.2
LEVEL LINEARITY ON THE REFERENCE LEVEL RANGE - IEC 61672-3 ED.2 CLAUSE 16	Passed	0.25
LEVEL LINEARITY INCLUDING THE LEVEL RANGE CONTROL - IEC 61672-3 ED.2.0 CLAUSE 17	Passed	0.25
TONEBURST RESPONSE - IEC 61672-3 ED.2.0 CLAUSE 18	Passed	0.3
PEAK C SOUND LEVEL - IEC 61672-3 ED.2.0 CLAUSE 19	Passed	0.35
OVERLOAD INDICATION - IEC 61672-3 ED.2.0 CLAUSE 20	Passed	0.25
HIGH LEVEL STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 21	Passed	0.1
LONG TERM STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 15	Passed	0.1
FILTER TEST 1/OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
FILTER TEST 1/3OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
COMBINED ELECTRICAL AND ACOUSTICAL TEST - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	See test report

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Parameters are certified at actual environmental conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Comments: The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organization responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2, to demonstrate that the model of sound level meter fully conforms to the requirements in the IEC 61672-2, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger. Compliance with any standard cannot be claimed based solely on the periodic tests.

Tests made with the following attachments to the instrument:

Microphone: PCB Piezotronics 377B20 s/n 110889 for acoustical test
Preamplifier: Larson Davis PRM831 s/n 015260 for all tests
Other: line adaptor ADP005 (18pF) for electrical tests
Accompanying acoustical calibrator: none
Windscreen: none

Measured Data: in Test Report # 39181 of 9+1 pages.

Place of Calibration: Scantek, Inc.
6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

Calibration Certificates or Test Reports shall not be reproduced, except in full, without written approval of the laboratory. This Calibration Certificate or Test Reports shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government.

Calibration Certificate No.39182

Instrument: Microphone
Model: 377B20
Manufacturer: PCB Piezotronics
Serial number: 110889
Composed of:

Date Calibrated: 8/10/2017 **Cal Due:** 8/10/2018

Status:	Received	Sent
In tolerance:	X	X
Out of tolerance:		
See comments:		
Contains non-accredited tests: ___ Yes <u>X</u> No		

Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100/-0099

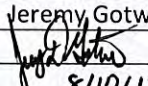
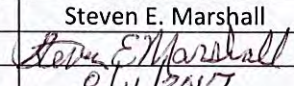
Address: 3 Mill & Main Place, Suite 250
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Measurement Microphones, Scantek, Inc., Rev. 2/25/2015

Instrumentation used for calibration: N-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31061	Jul 28, 2017	Scantek, Inc./ NVLAP	Jul 28, 2018
DS-360-SRS	Function Generator	88077	Sep 15, 2016	ACR Env./ A2LA	Sep 15, 2018
34401A-Agilent Technologies	Digital Voltmeter	MY47011118	Sep 15, 2016	ACR Env./ A2LA	Sep 15, 2017
HM30-Thommen	Meteo Station	1040170/39633	Nov 1, 2016	ACR Env./ A2LA	Nov 1, 2017
PC Program 1017 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1253-Norsonic	Calibrator	28326	Nov 10, 2016	Scantek, Inc./ NVLAP	Nov 10, 2017
1203-Norsonic	Preamplifier	92268	Oct 17, 2016	Scantek, Inc./ NVLAP	Oct 17, 2017
4180-Brüel&Kjær	Microphone	2246115	Oct 26, 2015	NPL-UK / UKAS	Oct 26, 2017

Instrumentation and test results are traceable to SI - BIPM through standards maintained by NPL (UK) and NIST (USA)

Calibrated by:	Jeremy Gotwalt	Authorized signatory:	Steven E. Marshall
Signature		Signature	
Date	8/10/17	Date	8/11/2017

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Document stored as: Z:\Calibration Lab\Mic 2017\PCB377B20_110889_M1.doc

Page 1 of 2

Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES / METHODS ¹ FROM PROCEDURES		MET ^{2,3}	NOT MET	NOT TESTED	MEASUREMENT EXPANDED UNCERTAINTY (coverage factor 2)
Open circuit sensitivity (insert voltage method, 250 Hz)		X			See below
Frequency response	Actuator response	X			63 – 200Hz: 0.3 dB 200 – 8000 Hz: 0.2 dB 8 – 10 kHz: 0.5 dB 10 – 20 kHz: 0.7 dB 20 – 50 kHz: 0.9 dB 50 – 100 kHz: 1.2 dB
	FF/Diffuse field responses	X			63 – 200Hz: 0.3 dB 200 – 4000 Hz: 0.2 dB 4 – 10 kHz: 0.6 dB 10 – 20 kHz: 0.9 dB 20 – 50 kHz: 2.2 dB 50 – 100 kHz: 4.4 dB
	Scantek, Inc. acoustical method			X	31.5 – 125 Hz: 0.16 dB 250, 1000 Hz: 0.12 dB 2 – 8 kHz: 0.8 dB 12.5 – 16 kHz: 2.4 dB

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Results are normalized to the reference conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Note: The free field/diffuse field characteristics were calculated based on the measured actuator response and adjustment coefficients as provided by the manufacturer. The uncertainties reported for these characteristics may include assumed uncertainty components for the adjustment coefficients.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
22.5 ± 1.0	100.75 ± 0.020	52.9 ± 2.0

Main measured parameters:

Tone frequency (Hz)	Measured ⁴ /Acceptable Open circuit sensitivity (dB re 1V/Pa)	Sensitivity (mV/Pa)
250	-27.24 ± 0.12/ 26.0 ± 1.5	43.47

⁴ The reported expanded uncertainty is calculated with a coverage factor k=2.00

Tests made with following attachments to instrument and auxiliary devices:

Protection grid mounted for sensitivity measurements
Actuator type: G.R.A.S. RA0014

Measured Data: Found on Microphone Test Report # 39182 of one page.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Page 2 of 2

Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCSL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]

CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.41005

Instrument: Sound Level Meter
Model: 831
Manufacturer: Larson Davis
Serial number: 0002155
Tested with: Microphone 377B20 s/n 112256
Preamplifier PRM831 s/n 016478
Type (class): 1
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100 /

Date Calibrated: 7/6/2018 **Cal Due:** 7/6/2019
Status:

Received	Sent
X	X

In tolerance:

X	X
---	---

Out of tolerance:

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See comments:

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Contains non-accredited tests: Yes No
Calibration service: Basic Standard
Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Sound Level Meters, Scantek Inc., Rev. 6/26/2015
SLM & Dosimeters – Acoustical Tests, Scantek Inc., Rev. 7/6/2011

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1019 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1251-Norsonic	Calibrator	30878	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
21.3	100.43	57.1

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	7/6/2018	Date	7/6/2018

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Document stored Z:\Calibration Lab\SLM 2018\LD831_0002155_M1.doc Page 1 of 2

Results summary: Device complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM IEC/ANSI STANDARDS REFERENCED IN PROCEDURES:	RESULT ^{2,3}	EXPANDED UNCERTAINTY (coverage factor 2) [dB]
INDICATION AT THE CALIBRATION CHECK FREQUENCY - IEC61672-3 ED.2 CLAUSE 10	Passed	0.15
SELF-GENERATED NOISE - IEC 61672-3 ED.2 CLAUSE 11	Passed	0.30
FREQUENCY WEIGHTINGS: A NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: C NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: Z NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY AND TIME WEIGHTINGS AT 1 KHZ IEC 61672-3 ED.2.0 CLAUSE 14	Passed	0.20
LEVEL LINEARITY ON THE REFERENCE LEVEL RANGE - IEC 61672-3 ED.2 CLAUSE 16	Passed	0.25
LEVEL LINEARITY INCLUDING THE LEVEL RANGE CONTROL - IEC 61672-3 ED.2.0 CLAUSE 17	Passed	0.25
TONEBURST RESPONSE - IEC 61672-3 ED.2.0 CLAUSE 18	Passed	0.30
PEAK C SOUND LEVEL - IEC 61672-3 ED.2.0 CLAUSE 19	Passed	0.35
OVERLOAD INDICATION - IEC 61672-3 ED.2.0 CLAUSE 20	Passed	0.25
HIGH LEVEL STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 21	Passed	0.10
LONG TERM STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 15	Passed	0.10
FILTER TEST 1/OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
FILTER TEST 1/3OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Parameters are certified at actual environmental conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Comments: The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organization responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2, to demonstrate that the model of sound level meter fully conforms to the requirements in the IEC 61672-2, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger. Compliance with any standard cannot be claimed based solely on the periodic tests.

Tests made with the following attachments to the instrument:

Microphone:	PCB Piezotronics 377B20 s/n 112256 for acoustical test
Preamplifier:	Larson Davis PRM831 s/n 016478 for all tests
Other:	line adaptor ADP005 (18pF) for electrical tests
Accompanying acoustical calibrator:	Larson Davis CAL200 s/n 7146
Windscreens:	none

Measured Data: in Test Report # 41005 of 9 + 1 pages.

Place of Calibration: Scantek, Inc.
6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCSL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.41006

Instrument: Microphone
Model: 377B20
Manufacturer: PCB Piezotronics
Serial number: 112256
Composed of:

Date Calibrated: 7/5/2018 **Cal Due:** 7/5/2019
Status:

Received	Sent
X	X

In tolerance:

X	X
---	---

Out of tolerance:

--	--

See comments:

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Contains non-accredited tests: ___ Yes No

Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100/

Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:

Calibration of Measurement Microphones, Scantek, Inc., Rev. 2/25/2015

Instrumentation used for calibration: N-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1017 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1253-Norsonic	Calibrator	28326	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018
1203-Norsonic	Preamplifier	14059	Feb 12, 2018	Scantek, Inc./ NVLAP	Feb 12, 2019
4180-Brüel&Kjær	Microphone	2246115	Oct 24, 2017	DANAK / DPLA	Oct 24, 2019

Instrumentation and test results are traceable to SI - BIPM through standards maintained by NPL (UK) and NIST (USA)

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	7/5/2018	Date	7/6/2018

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Document stored as: Z:\Calibration Lab\Mic 2018\PCB377B20_112256_M1.doc

Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES / METHODS ¹ FROM PROCEDURES		MET ^{2,3}	NOT MET	NOT TESTED	MEASUREMENT EXPANDED UNCERTAINTY (coverage factor 2)
Open circuit sensitivity (insert voltage method, 250 Hz)		X			See below
Frequency response	Actuator response	X			63 – 200Hz: 0.3 dB 200 – 8000 Hz: 0.2 dB 8 – 10 kHz: 0.5 dB 10 – 20 kHz: 0.7 dB 20 – 50 kHz: 0.9 dB 50 – 100 kHz: 1.2 dB
	FF/Diffuse field responses	X			63 – 200Hz: 0.3 dB 200 – 4000 Hz: 0.2 dB 4 – 10 kHz: 0.6 dB 10 – 20 kHz: 0.9 dB 20 – 50 kHz: 2.2 dB 50 – 100 kHz: 4.4 dB
	Scantek, Inc. acoustical method			X	31.5 – 125 Hz: 0.16 dB 250, 1000 Hz: 0.12 dB 2 – 8 kHz: 0.8 dB 12.5 – 16 kHz: 2.4 dB

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Results are normalized to the reference conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Note: The free field/diffuse field characteristics were calculated based on the measured actuator response and adjustment coefficients as provided by the manufacturer. The uncertainties reported for these characteristics may include assumed uncertainty components for the adjustment coefficients.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
21.5 ± 1.1	100.95 ± 0.020	51.7 ± 2.1

Main measured parameters:

Tone frequency (Hz)	Measured ⁴ /Acceptable Open circuit sensitivity (dB re 1V/Pa)	Sensitivity (mV/Pa)
250	-25.46 ± 0.12/ -26.0 ± 1.5	53.36

⁴ The reported expanded uncertainty is calculated with a coverage factor k=2.00

Tests made with following attachments to instrument and auxiliary devices:

Protection grid mounted for sensitivity measurements
Actuator type: G.R.A.S. RA0014

Measured Data: Found on Microphone Test Report # 41006 of one page.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCSL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]

CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.39499

Instrument: Sound Level Meter
Model: 831
Manufacturer: Larson Davis
Serial number: 0003753
Tested with: Microphone 377B20 s/n 142956
Preamplifier PRM831 s/n 029564
Type (class): 1
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100 /

Date Calibrated: 10/23/2017 **Cal Due:** 10/23/2018

Status:	Received	Sent
In tolerance:	X	X
Out of tolerance:		

See comments:
Contains non-accredited tests: ___ Yes X No
Calibration service: ___ Basic X Standard
Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Sound Level Meters, Scantek Inc., Rev. 6/26/2015
SLM & Dosimeters – Acoustical Tests, Scantek Inc., Rev. 7/6/2011

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 26, 2016	Scantek, Inc./ NVLAP	Oct 26, 2017
DS-360-SRS	Function Generator	61646	Sep 20, 2017	ACR Env. / A2LA	Sep 20, 2018
34401A-Agilent Technologies	Digital Voltmeter	MY41022043	Sep 9, 2017	ACR Env. / A2LA	Sep 9, 2018
HM30-Thommen	Meteo Station	1040170/39633	Nov 1, 2016	ACR Env. / A2LA	Nov 1, 2017
PC Program 1019 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1251-Norsonic	Calibrator	30878	Nov 10, 2016	Scantek, Inc./ NVLAP	Nov 10, 2017

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
21.5	101.88	54.0

Calibrated by:	Lydon Dawkins	Authorized signatory:	William D. Gallagher
Signature	<i>Lydon Dawkins</i>	Signature	<i>William D. Gallagher</i>
Date	10/23/2017	Date	10/24/2017

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This Calibration Certificate or Test Reports shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government.
Document stored Z:\Calibration Lab\SLM 2017\LD831_0003753_M1.doc

Results summary: Device complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM IEC/ANSI STANDARDS REFERENCED IN PROCEDURES:	RESULT ^{2,3}	EXPANDED UNCERTAINTY (coverage factor 2) [dB]
INDICATION AT THE CALIBRATION CHECK FREQUENCY - IEC61672-3 ED.2 CLAUSE 10	Passed	0.15
SELF-GENERATED NOISE - IEC 61672-3 ED.2 CLAUSE 11	Passed	0.30
FREQUENCY WEIGHTINGS: A NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: C NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: Z NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY AND TIME WEIGHTINGS AT 1 KHZ IEC 61672-3 ED.2.0 CLAUSE 14	Passed	0.20
LEVEL LINEARITY ON THE REFERENCE LEVEL RANGE - IEC 61672-3 ED.2 CLAUSE 16	Passed	0.25
LEVEL LINEARITY INCLUDING THE LEVEL RANGE CONTROL - IEC 61672-3 ED.2.0 CLAUSE 17	Passed	0.25
TONEBURST RESPONSE - IEC 61672-3 ED.2.0 CLAUSE 18	Passed	0.30
PEAK C SOUND LEVEL - IEC 61672-3 ED.2.0 CLAUSE 19	Passed	0.35
OVERLOAD INDICATION - IEC 61672-3 ED.2.0 CLAUSE 20	Passed	0.25
HIGH LEVEL STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 21	Passed	0.10
LONG TERM STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 15	Passed	0.10
FILTER TEST 1/OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
FILTER TEST 1/3OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
COMBINED ELECTRICAL AND ACOUSTICAL TEST - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	See test report

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Parameters are certified at actual environmental conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Comments: The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organization responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2, to demonstrate that the model of sound level meter fully conforms to the requirements in the IEC 61672-2, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger.

Compliance with any standard cannot be claimed based solely on the periodic tests.

Tests made with the following attachments to the instrument:

Microphone:	PCB Piezotronics 377B20 s/n 142956 for acoustical test
Preamplifier:	Larson Davis PRM831 s/n 029564 for all tests
Other:	line adaptor ADP005 (18pF) for electrical tests
Accompanying acoustical calibrator:	Larson Davis CAL200 s/n 7147
Windscreens:	none

Measured Data: in Test Report # 39499 of 9 +1 pages.

Place of Calibration: Scantek, Inc.
6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCCL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.39500

Instrument: Microphone
Model: 377B20
Manufacturer: PCB Piezotronics
Serial number: 142956
Composed of:

Date Calibrated: 10/20/2017 **Cal Due:** 10/20/2018
Status:

Received	Sent
X	X

In tolerance:

X	X
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Out of tolerance:

--	--

See comments:

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Contains non-accredited tests: Yes X No

Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100/

Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:

Calibration of Measurement Microphones, Scantek, Inc., Rev. 2/25/2015

Instrumentation used for calibration: N-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 26, 2016	Scantek, Inc./ NVLAP	Oct 26, 2017
DS-360-SRS	Function Generator	33584	Oct 20, 2015	ACR Env./ A2LA	Oct 20, 2017
34401A-Agilent Technologies	Digital Voltmeter	MY41022043	Sep 9, 2017	ACR Env. / A2LA	Sep 9, 2018
HM30-Thommen	Meteo Station	1040170/39633	Nov 1, 2016	ACR Env./ A2LA	Nov 1, 2017
PC Program 1017 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1253-Norsonic	Calibrator	28326	Nov 10, 2016	Scantek, Inc./ NVLAP	Nov 10, 2017
1203-Norsonic	Preamplifier	14059	Feb 13, 2017	Scantek, Inc./ NVLAP	Feb 13, 2018
4180-Brüel&Kjær	Microphone	2246115	Oct 26, 2015	NPL-UK / UKAS	Oct 26, 2017

Instrumentation and test results are traceable to SI - BIPM through standards maintained by NPL (UK) and NIST (USA)

Calibrated by:	Lydon Dawkins	Authorized signatory:	William D. Gallagher
Signature	<i>Lydon Dawkins</i>	Signature	<i>William D. Gallagher</i>
Date	10/20/2017	Date	10/24/2017

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Page 1 of 2

Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES / METHODS ¹ FROM PROCEDURES		MET ^{2,3}	NOT MET	NOT TESTED	MEASUREMENT EXPANDED UNCERTAINTY (coverage factor 2)
Open circuit sensitivity (insert voltage method, 250 Hz)		X			See below
Frequency response	Actuator response	X			63 – 200Hz: 0.3 dB 200 – 8000 Hz: 0.2 dB 8 – 10 kHz: 0.5 dB 10 – 20 kHz: 0.7 dB 20 – 50 kHz: 0.9 dB 50 – 100 kHz: 1.2 dB
	FF/Diffuse field responses	X			63 – 200Hz: 0.3 dB 200 – 4000 Hz: 0.2 dB 4 – 10 kHz: 0.6 dB 10 – 20 kHz: 0.9 dB 20 – 50 kHz: 2.2 dB 50 – 100 kHz: 4.4 dB
	Scantek, Inc. acoustical method			X	31.5 – 125 Hz: 0.16 dB 250, 1000 Hz: 0.12 dB 2 – 8 kHz: 0.8 dB 12.5 – 16 kHz: 2.4 dB

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Results are normalized to the reference conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Note: The free field/diffuse field characteristics were calculated based on the measured actuator response and adjustment coefficients as provided by the manufacturer. The uncertainties reported for these characteristics may include assumed uncertainty components for the adjustment coefficients.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
22.3 ± 1.0	100.84 ± 0.020	45.0 ± 2.1

Main measured parameters:

Tone frequency (Hz)	Measured ⁴ /Acceptable Open circuit sensitivity (dB re 1V/Pa)	Sensitivity (mV/Pa)
250	-26.91 ± 0.12/ -26.0 ± 1.5	45.12

⁴ The reported expanded uncertainty is calculated with a coverage factor k=2.00

Tests made with following attachments to instrument and auxiliary devices:

Protection grid mounted for sensitivity measurements
Actuator type: G.R.A.S. RA0014

Measured Data: Found on Microphone Test Report # 39500 of one page.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCSL Z540:1994 Part 1

ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.40029

Instrument: Sound Level Meter
Model: 831
Manufacturer: Larson Davis
Serial number: 0004375
Tested with: Microphone 377C20 s/n 165757
Preamplifier PRM831 s/n 046516
Type (class): 1
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100 /

Date Calibrated: 1/31/2018 **Cal Due:** 1/31/2019
Status:

Received	Sent
X	X

In tolerance:

X	X
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Out of tolerance:

--	--

See comments:
Contains non-accredited tests: ___ Yes X No
Calibration service: ___ Basic X Standard
Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Sound Level Meters, Scantek Inc., Rev. 6/26/2015
SLM & Dosimeters – Acoustical Tests, Scantek Inc., Rev. 7/6/2011

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1019 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1251-Norsonic	Calibrator	30878	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.3	101.03	31.7

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	1/31/2018	Date	2/1/2018

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Document stored Z:\Calibration Lab\SLM 2018\LD831_0004375_M1.doc

Results summary: Device complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM IEC/ANSI STANDARDS REFERENCED IN PROCEDURES:	RESULT ^{2,3}	EXPANDED UNCERTAINTY (coverage factor 2) [dB]
INDICATION AT THE CALIBRATION CHECK FREQUENCY - IEC61672-3 ED.2 CLAUSE 10	Passed	0.15
SELF-GENERATED NOISE - IEC 61672-3 ED.2 CLAUSE 11	Passed	0.30
FREQUENCY WEIGHTINGS: A NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: C NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: Z NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY AND TIME WEIGHTINGS AT 1 KHZ IEC 61672-3 ED.2.0 CLAUSE 14	Passed	0.20
LEVEL LINEARITY ON THE REFERENCE LEVEL RANGE - IEC 61672-3 ED.2 CLAUSE 16	Passed	0.25
LEVEL LINEARITY INCLUDING THE LEVEL RANGE CONTROL - IEC 61672-3 ED.2.0 CLAUSE 17	Passed	0.25
TONEBURST RESPONSE - IEC 61672-3 ED.2.0 CLAUSE 18	Passed	0.30
PEAK C SOUND LEVEL - IEC 61672-3 ED.2.0 CLAUSE 19	Passed	0.35
OVERLOAD INDICATION - IEC 61672-3 ED.2.0 CLAUSE 20	Passed	0.25
HIGH LEVEL STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 21	Passed	0.10
LONG TERM STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 15	Passed	0.10
FILTER TEST 1/1OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
FILTER TEST 1/3OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
COMBINED ELECTRICAL AND ACOUSTICAL TEST - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	See test report

- 1 The results of this calibration apply only to the instrument type with serial number identified in this report.
- 2 Parameters are certified at actual environmental conditions.
- 3 The tests marked with (*) are not covered by the current NVLAP accreditation.

Comments: The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organization responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2, to demonstrate that the model of sound level meter fully conforms to the requirements in the IEC 61672-2, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger. Compliance with any standard cannot be claimed based solely on the periodic tests.

Tests made with the following attachments to the instrument:

Microphone: PCB Piezotronics 377C20 s/n 165757 for acoustical test
Preamplifier: Larson Davis PRM831 s/n 046516 for all tests
Other: line adaptor ADP005 (18pF) for electrical tests
Accompanying acoustical calibrator: none
Windscreen: none

Measured Data: in Test Report # 40029 of 9 + 1 pages.

Place of Calibration: Scantek, Inc.
6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCCL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.40030

Instrument: **Microphone**
Model: **377C20**
Manufacturer: **PCB Piezotronics**
Serial number: **165757**
Composed of:

Date Calibrated: **1/29/2018** Cal Due: **1/29/2019**
Status:

	Received	Sent
In tolerance:	X	X
Out of tolerance:		
See comments:		

Contains non-accredited tests: Yes X No

Customer: **Epsilon Associates, Inc.**
Tel/Fax: **978-897-7100/**

Address: **3 Mill & Main Place, Suite 250,
Maynard, MA 01754**

Tested in accordance with the following procedures and standards:

Calibration of Measurement Microphones, Scantek, Inc., Rev. 2/25/2015

Instrumentation used for calibration: N-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1017 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1253-Norsonic	Calibrator	28326	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018
1203-Norsonic	Preamplifier	14059	Feb 13, 2017	Scantek, Inc./ NVLAP	Feb 13, 2018
4180-Brüel&Kjær	Microphone	2246115	Oct 24, 2017	DANAK / DPLA	Oct 24, 2019

Instrumentation and test results are traceable to SI - BIPM through standards maintained by NPL (UK) and NIST (USA)

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	<i>1/29/2018</i>	Date	<i>2/1/2018</i>

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Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES / METHODS ¹ FROM PROCEDURES		MET ^{2,3}	NOT MET	NOT TESTED	MEASUREMENT EXPANDED UNCERTAINTY (coverage factor 2)
Open circuit sensitivity (insert voltage method, 250 Hz)		X			See below
Frequency response	Actuator response	X			63 – 200Hz: 0.3 dB 200 – 8000 Hz: 0.2 dB 8 – 10 kHz: 0.5 dB 10 – 20 kHz: 0.7 dB 20 – 50 kHz: 0.9 dB 50 – 100 kHz: 1.2 dB
	FF/Diffuse field responses	X			63 – 200Hz: 0.3 dB 200 – 4000 Hz: 0.2 dB 4 – 10 kHz: 0.6 dB 10 – 20 kHz: 0.9 dB 20 – 50 kHz: 2.2 dB 50 – 100 kHz: 4.4 dB
	Scantek, Inc. acoustical method			X	31.5 – 125 Hz: 0.16 dB 250, 1000 Hz: 0.12 dB 2 – 8 kHz: 0.8 dB 12.5 – 16 kHz: 2.4 dB

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Results are normalized to the reference conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Note: The free field/diffuse field characteristics were calculated based on the measured actuator response and adjustment coefficients as provided by the manufacturer. The uncertainties reported for these characteristics may include assumed uncertainty components for the adjustment coefficients.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.8 ± 1.0	100.14 ± 0.025	40.1 ± 2.1

Main measured parameters:

Tone frequency (Hz)	Measured ⁴ /Acceptable Open circuit sensitivity (dB re 1V/Pa)	Sensitivity (mV/Pa)
250	-26.31 ± 0.12/ -26.0 ± 1.5	48.34

⁴ The reported expanded uncertainty is calculated with a coverage factor k=2.00

Tests made with following attachments to instrument and auxiliary devices:

Protection grid mounted for sensitivity measurements
Actuator type: G.R.A.S. RA0014

Measured Data: Found on Microphone Test Report # 40030 of one page.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCCL Z540:1994 Part 1

ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION

NVLAP Lab Code: 200625-0

Calibration Certificate No.40034

Instrument: Acoustical Calibrator

Model: CAL200

Manufacturer: Larson Davis

Serial number: 13676

Class (IEC 60942): 1

Barometer type:

Barometer s/n:

Customer: Epsilon Associates, Inc.

Tel/Fax: 978-897-7100 /

Date Calibrated: 1/29/2018 **Cal Due:** 1/29/2019

Status:

Received	Sent
X	X

Contains non-accredited tests: ___ Yes X No

Address: 3 Mill & Main Place, Suite 250,

Maynard, MA 01754

Tested in accordance with the following procedures and standards:

Calibration of Acoustical Calibrators, Scantek Inc., Rev. 10/1/2010

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
140-Norsonic	Real Time Analyzer	1406423	Oct 31, 2017	Scantek / NVLAP	Oct 31, 2018
PC Program 1018 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
4134-Brüel&Kjær	Microphone	173368	Nov 10, 2017	Scantek, Inc. / NVLAP	Nov 10, 2018
1203-Norsonic	Preamplifier	14059	Feb 13, 2017	Scantek, Inc./ NVLAP	Feb 13, 2018

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK)

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	1/29/2018	Date	2/1/2018

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Page 1 of 2

Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM STANDARDS REFERENCED IN PROCEDURES:	MET ²	NOT MET	COMMENTS
Manufacturer specifications			
Manufacturer specifications: Sound pressure level	X		
Manufacturer specifications: Frequency	X		
Manufacturer specifications: Total harmonic distortion	X		
Current standards			
ANSI S1.40:2006 B.3 / IEC 60942: 2003 B.2 - Preliminary inspection	X		
ANSI S1.40:2006 B.4.4 / IEC 60942: 2003 B.3.4 - Sound pressure level	X		
ANSI S1.40:2006 A.5.4 / IEC 60942: 2003 A.4.4 - Sound pressure level stability	-	-	
ANSI S1.40:2006 B.4.5 / IEC 60942: 2003 B.3.5 - Frequency	X		
ANSI S1.40:2006 B.4.6 / IEC 60942: 2003 B.3.6 - Total harmonic distortion	X		

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² The tests marked with (*) are not covered by the current NVLAP accreditation.

Main measured parameters ³:

Measured ⁴ /Acceptable ⁵ Tone frequency (Hz):	Measured ⁴ /Acceptable ⁵ Total Harmonic Distortion (%):	Measured ⁴ /Acceptable Level ⁵ (dB):
1000.26 ± 1.0/1000.0 ± 10.0	0.34 ± 0.10/ < 3	93.97 ± 0.12/94.0 ± 0.4
1000.23 ± 1.0/1000.0 ± 10.0	0.38 ± 0.10/ < 3	113.97 ± 0.12/114.0 ± 0.4

³ The stated level is valid at measurement conditions.

⁴ The above expanded uncertainties for frequency and distortion are calculated with a coverage factor k=2; for level k=2.00

⁵ Acceptable parameters values are from the current standards

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.7 ± 1.0	100.50 ± 0.000	40.9 ± 2.7

Tests made with following attachments to instrument:

Calibrator ½" Adaptor Type:
Other:

Adjustments: Unit was not adjusted.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger.

Compliance with any standard cannot be claimed based solely on the periodic tests.

Measured Data: in Acoustical Calibrator Test Report # 40034 of two pages.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Page 2 of 2

Calibration Certificate No.40499

Instrument: Sound Level Meter
Model: 140
Manufacturer: Norsonic
Serial number: 1403178
Tested with: Microphone 40AN s/n 73449
Preamplifier 1209 s/n 12492
Type (class): 1
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100 /

Date Calibrated: 4/10/2018 **Cal Due:** 4/10/2019
Status:

	Received	Sent
In tolerance:	X	X
Out of tolerance:		

See comments:
Contains non-accredited tests: __ Yes X No
Calibration service: __ Basic X Standard
Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Sound Level Meters, Scantek Inc., Rev. 6/26/2015
SLM & Dosimeters – Acoustical Tests, Scantek Inc., Rev. 7/6/2011

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1019 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1251-Norsonic	Calibrator	30878	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
24.9	100.74	39.9

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E Marshall</i>
Date	4/10/2018	Date	4/10/2018

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Results summary: Device complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM IEC/ANSI STANDARDS REFERENCED IN PROCEDURES:	RESULT ^{2,3}	EXPANDED UNCERTAINTY (coverage factor 2) [dB]
INDICATION AT THE CALIBRATION CHECK FREQUENCY - IEC61672-3 ED.2 CLAUSE 10	Passed	0.15
SELF-GENERATED NOISE - IEC 61672-3 ED.2 CLAUSE 11	Passed	0.30
FREQUENCY WEIGHTINGS: A NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: C NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: Z NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY AND TIME WEIGHTINGS AT 1 KHZ IEC 61672-3 ED.2.0 CLAUSE 14	Passed	0.20
LEVEL LINEARITY ON THE REFERENCE LEVEL RANGE - IEC 61672-3 ED.2 CLAUSE 16	Passed	0.25
TONEBURST RESPONSE - IEC 61672-3 ED.2.0 CLAUSE 18	Passed	0.30
PEAK C SOUND LEVEL - IEC 61672-3 ED.2.0 CLAUSE 19	Passed	0.35
OVERLOAD INDICATION - IEC 61672-3 ED.2.0 CLAUSE 20	Passed	0.25
HIGH LEVEL STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 21	Passed	0.10
LONG TERM STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 15	Passed	0.10
FILTER TEST 1/OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
FILTER TEST 1/3OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
COMBINED ELECTRICAL AND ACOUSTICAL TEST - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	See test report

- 1 The results of this calibration apply only to the instrument type with serial number identified in this report.
- 2 Parameters are certified at actual environmental conditions.
- 3 The tests marked with (*) are not covered by the current NVLAP accreditation.

Comments: The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organization responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2, to demonstrate that the model of sound level meter fully conforms to the requirements in the IEC 61672-2, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger. Compliance with any standard cannot be claimed based solely on the periodic tests.

Tests made with the following attachments to the instrument:

Microphone: GRAS 40AN s/n 73449 for acoustical test
Preamplifier: Norsonic 1209 s/n 12492 for all tests
Other: line adaptor ADP005 (18pF) for electrical tests
Accompanying acoustical calibrator: none
Windscreen: Norsonic Nor1434 (ø 90mm)

Measured Data: in Test Report # 40499 of 9 + 1 pages.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Page 2 of 2

Calibration Certificate No.40500

Instrument: Microphone
Model: 40AN
Manufacturer: GRAS
Serial number: 73449
Composed of:

Date Calibrated: 4/10/2018 **Cal Due:** 4/10/2019

Status:	Received	Sent
In tolerance:	X	X
Out of tolerance:		
See comments:		

Contains non-accredited tests: Yes No

Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100/

Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:

Calibration of Measurement Microphones, Scantek, Inc., Rev. 2/25/2015

Instrumentation used for calibration: N-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1017 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1253-Norsonic	Calibrator	28326	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018
1203-Norsonic	Preamplifier	14059	Feb 12, 2018	Scantek, Inc./ NVLAP	Feb 12, 2019
4180-Brüel&Kjær	Microphone	2246115	Oct 24, 2017	DANAK / DPLA	Oct 24, 2019

Instrumentation and test results are traceable to SI - BIPM through standards maintained by NPL (UK) and NIST (USA)

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	4/10/2018	Date	4/10/2018

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Page 1 of 2

Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES / METHODS ¹ FROM PROCEDURES		MET ^{2,3}	NOT MET	NOT TESTED	MEASUREMENT EXPANDED UNCERTAINTY (coverage factor 2)
Open circuit sensitivity (insert voltage method, 250 Hz)		X			See below
Frequency response	Actuator response	X			63 – 200Hz: 0.3 dB 200 – 8000 Hz: 0.2 dB 8 – 10 kHz: 0.5 dB 10 – 20 kHz: 0.7 dB 20 – 50 kHz: 0.9 dB 50 – 100 kHz: 1.2 dB
	FF/Diffuse field responses	X			63 – 200Hz: 0.3 dB 200 – 4000 Hz: 0.2 dB 4 – 10 kHz: 0.6 dB 10 – 20 kHz: 0.9 dB 20 – 50 kHz: 2.2 dB 50 – 100 kHz: 4.4 dB
	Scantek, Inc. acoustical method			X	31.5 – 125 Hz: 0.16 dB 250, 1000 Hz: 0.12 dB 2 – 8 kHz: 0.8 dB 12.5 – 16 kHz: 2.4 dB

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Results are normalized to the reference conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Note: The free field/diffuse field characteristics were calculated based on the measured actuator response and adjustment coefficients as provided by the manufacturer. The uncertainties reported for these characteristics may include assumed uncertainty components for the adjustment coefficients.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
24.0 ± 1.0	100.74 ± 0.020	36.7 ± 2.2

Main measured parameters:

Tone frequency (Hz)	Measured ⁴ /Nominal Open circuit sensitivity (dB re 1V/Pa)	Sensitivity (mV/Pa)
250	-25.29 ± 0.12/ -26.0	54.39

⁴ The reported expanded uncertainty is calculated with a coverage factor k=2.00

Tests made with following attachments to instrument and auxiliary devices:

Protection grid mounted for sensitivity measurements
Actuator type: G.R.A.5. RA0014

Measured Data: Found on Microphone Test Report # 40500 of one page.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Page 2 of 2

Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCSL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.40031

Instrument: Sound Level Meter
Model: 140
Manufacturer: Norsonic
Serial number: 1406827
Tested with: Microphone 40AN s/n 188289
Preamplifier 1209 s/n 21353
Type (class): 1
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100 /

Date Calibrated: 1/31/2018 **Cal Due:** 1/31/2019
Status:

	Received	Sent
In tolerance:	X	X
Out of tolerance:		

See comments:
Contains non-accredited tests: ___ Yes X No
Calibration service: ___ Basic X Standard
Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Sound Level Meters, Scantek Inc., Rev. 6/26/2015
SLM & Dosimeters – Acoustical Tests, Scantek Inc., Rev. 7/6/2011

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1019 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1251-Norsonic	Calibrator	30878	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.9	100.59	33.2

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	1/31/2018	Date	2/1/2018

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This Calibration Certificate or Test Reports shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government.

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Results summary: Device complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM IEC/ANSI STANDARDS REFERENCED IN PROCEDURES:	RESULT ^{2,3}	EXPANDED UNCERTAINTY (coverage factor 2) [dB]
INDICATION AT THE CALIBRATION CHECK FREQUENCY - IEC61672-3 ED.2 CLAUSE 10	Passed	0.15
SELF-GENERATED NOISE - IEC 61672-3 ED.2 CLAUSE 11	Passed	0.30
FREQUENCY WEIGHTINGS: A NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: C NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY WEIGHTINGS: Z NETWORK - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	0.20
FREQUENCY AND TIME WEIGHTINGS AT 1 KHZ IEC 61672-3 ED.2.0 CLAUSE 14	Passed	0.20
LEVEL LINEARITY ON THE REFERENCE LEVEL RANGE - IEC 61672-3 ED.2 CLAUSE 16	Passed	0.25
TONEBURST RESPONSE - IEC 61672-3 ED.2.0 CLAUSE 18	Passed	0.30
PEAK C SOUND LEVEL - IEC 61672-3 ED.2.0 CLAUSE 19	Passed	0.35
OVERLOAD INDICATION - IEC 61672-3 ED.2.0 CLAUSE 20	Passed	0.25
HIGH LEVEL STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 21	Passed	0.10
LONG TERM STABILITY TEST - IEC 61672-3 ED.2.0 CLAUSE 15	Passed	0.10
FILTER TEST 1/OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
FILTER TEST 1/3OCTAVE: RELATIVE ATTENUATION - IEC 61260, CLAUSE 4.4 & #5.3	Passed	0.25
COMBINED ELECTRICAL AND ACOUSTICAL TEST - IEC 61672-3 ED.2.0 CLAUSE 13	Passed	See test report

- 1 The results of this calibration apply only to the instrument type with serial number identified in this report.
- 2 Parameters are certified at actual environmental conditions.
- 3 The tests marked with (*) are not covered by the current NVLAP accreditation.

Comments: The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3, for the environmental conditions under which the tests were performed. As public evidence was available, from an independent testing organization responsible for approving the results of pattern evaluation tests performed in accordance with IEC 61672-2, to demonstrate that the model of sound level meter fully conforms to the requirements in the IEC 61672-2, the sound level meter submitted for testing conforms to the class 1 requirements of IEC 61672-1.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger. Compliance with any standard cannot be claimed based solely on the periodic tests.

Tests made with the following attachments to the instrument:

Microphone:	GRAS 40AN s/n 188289 for acoustical test
Preamplifier:	Norsonic 1209 s/n 21353 for all tests
Other:	line adaptor ADP005 (18pF) for electrical tests
Accompanying acoustical calibrator:	none
Windscreen:	Norsonic Nor1451 (ø 60mm)

Measured Data: in Test Report # 40031 of 9 + 1 pages.

Place of Calibration: Scantek, Inc.
6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCSL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.40032

Instrument: **Microphone**
Model: **40AN**
Manufacturer: **GRAS**
Serial number: **188289**
Composed of:

Date Calibrated: **1/29/2018** Cal Due: **1/29/2019**
Status:

Received	Sent
X	X

In tolerance: **X**
Out of tolerance:
See comments:
Contains non-accredited tests: Yes **X** No

Customer: **Epsilon Associates, Inc.**
Tel/Fax: **978-897-7100/**

Address: **3 Mill & Main Place, Suite 250,
Maynard, MA 01754**

Tested in accordance with the following procedures and standards:

Calibration of Measurement Microphones, Scantek, Inc., Rev. 2/25/2015

Instrumentation used for calibration: N-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env./ A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env./ A2LA	Oct 25, 2018
PC Program 1017 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1253-Norsonic	Calibrator	28326	Nov 10, 2017	Scantek, Inc./ NVLAP	Nov 10, 2018
1203-Norsonic	Preamplifier	14059	Feb 13, 2017	Scantek, Inc./ NVLAP	Feb 13, 2018
4180-Brüel&Kjær	Microphone	2246115	Oct 24, 2017	DANAK / DPLA	Oct 24, 2019

Instrumentation and test results are traceable to SI - BIPM through standards maintained by NPL (UK) and NIST (USA)

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	1/29/2018	Date	2/1/2018

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Page 1 of 2

Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES / METHODS ¹ FROM PROCEDURES		MET ^{2,3}	NOT MET	NOT TESTED	MEASUREMENT EXPANDED UNCERTAINTY (coverage factor 2)
Open circuit sensitivity (insert voltage method, 250 Hz)		X			See below
Frequency response	Actuator response	X			63 – 200Hz: 0.3 dB 200 – 8000 Hz: 0.2 dB 8 – 10 kHz: 0.5 dB 10 – 20 kHz: 0.7 dB 20 – 50 kHz: 0.9 dB 50 – 100 kHz: 1.2 dB
	FF/Diffuse field responses	X			63 – 200Hz: 0.3 dB 200 – 4000 Hz: 0.2 dB 4 – 10 kHz: 0.6 dB 10 – 20 kHz: 0.9 dB 20 – 50 kHz: 2.2 dB 50 – 100 kHz: 4.4 dB
	Scantek, Inc. acoustical method			X	31.5 – 125 Hz: 0.16 dB 250, 1000 Hz: 0.12 dB 2 – 8 kHz: 0.8 dB 12.5 – 16 kHz: 2.4 dB

¹ The results of this calibration apply only to the instrument type with serial number identified in this report.

² Results are normalized to the reference conditions.

³ The tests marked with (*) are not covered by the current NVLAP accreditation.

Note: The free field/diffuse field characteristics were calculated based on the measured actuator response and adjustment coefficients as provided by the manufacturer. The uncertainties reported for these characteristics may include assumed uncertainty components for the adjustment coefficients.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.9 ± 1.0	100.12 ± 0.020	43.0 ± 2.5

Main measured parameters:

Tone frequency (Hz)	Measured ⁴ /Nominal Open circuit sensitivity (dB re 1V/Pa)	Sensitivity (mV/Pa)
250	-26.35 ± 0.12/ -26.0	48.14

⁴ The reported expanded uncertainty is calculated with a coverage factor k=2.00

Tests made with following attachments to instrument and auxiliary devices:

Protection grid mounted for sensitivity measurements

Actuator type: G.R.A.S. RA0014

Measured Data: Found on Microphone Test Report # 40032 of one page.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCCL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)



NVLAP Lab Code: 200625-0

Calibration Certificate No. 39845

Instrument: Acoustical Calibrator
Model: 1251
Manufacturer: Norsonic
Serial number: 34880
Class (IEC 60942): 1
Barometer type:
Barometer s/n:
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100 /

Date Calibrated: 12/27/2017 **Cal Due:** 12/27/2018

Status:	Received	Sent
In tolerance:	X	X
Out of tolerance:		
See comments:		

Contains non-accredited tests: Yes No

Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Acoustical Calibrators, Scantek Inc., Rev. 10/1/2010

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Oct 30, 2017	Scantek, Inc./ NVLAP	Oct 30, 2018
DS-360-SRS	Function Generator	33584	Oct 24, 2017	ACR Env. / A2LA	Oct 24, 2019
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
HM30-Thommen	Meteo Station	1040170/39633	Oct 25, 2017	ACR Env. / A2LA	Oct 25, 2018
140-Norsonic	Real Time Analyzer	1406423	Oct 31, 2017	Scantek / NVLAP	Oct 31, 2018
PC Program 1018 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
4134-Brüel&Kjær	Microphone	173368	Nov 10, 2017	Scantek, Inc. / NVLAP	Nov 10, 2018
1203-Norsonic	Preamplifier	14059	Feb 13, 2017	Scantek, Inc./ NVLAP	Feb 13, 2018

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK)

Calibrated by:	Lydon Dawkins	Authorized signatory:	Steven E. Marshall
Signature	<i>Lydon Dawkins</i>	Signature	<i>Steven E. Marshall</i>
Date	12/27/2017	Date	12/28/2017

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Document stored as: Z:\Calibration Lab\Cal 2017\NOR1251_34880_M1.doc

Results summary: Device was tested and complies with following clauses of mentioned specifications:

CLAUSES ¹ FROM STANDARDS REFERENCED IN PROCEDURES:	MET ²	NOT MET	COMMENTS
Manufacturer specifications			
Manufacturer specifications: Sound pressure level	X		
Manufacturer specifications: Frequency	X		
Manufacturer specifications: Total harmonic distortion	X		
Current standards			
ANSI S1.40:2006 B.3 / IEC 60942: 2003 B.2 - Preliminary inspection	X		
ANSI S1.40:2006 B.4.4 / IEC 60942: 2003 B.3.4 - Sound pressure level	X		
ANSI S1.40:2006 A.5.4 / IEC 60942: 2003 A.4.4 - Sound pressure level stability	-	-	
ANSI S1.40:2006 B.4.5 / IEC 60942: 2003 B.3.5 - Frequency	X		
ANSI S1.40:2006 B.4.6 / IEC 60942: 2003 B.3.6 - Total harmonic distortion	X		

- 1 The results of this calibration apply only to the instrument type with serial number identified in this report.
- 2 The tests marked with (*) are not covered by the current NVLAP accreditation.

Main measured parameters³:

Measured ⁴ /Acceptable ⁵ Tone frequency (Hz):	Measured ⁴ /Acceptable ⁵ Total Harmonic Distortion (%):	Measured ⁴ /Acceptable Level ⁵ (dB):
1000.34 ± 1.0/1000.0 ± 10.0	0.18 ± 0.10/ < 3	114.07 ± 0.12/114.0 ± 0.4

- ³ The stated level is valid at reference conditions.
- ⁴ The above expanded uncertainties for frequency and distortion are calculated with a coverage factor k=2; for level k=2.00
- ⁵ Acceptable parameters values are from the current standards

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
22.8 ± 1.0	101.51 ± 0.025	38.9 ± 2.3

Tests made with following attachments to instrument:

Calibrator ½" Adaptor Type: 1443
Other:

Adjustments: Unit was not adjusted.

Comments: The instrument was tested and met all specifications found in the referenced procedures.

Note: The instrument was tested for the parameters listed in the table above, using the test methods described in the listed standards. All tests were performed around the reference conditions. The test results were compared with the manufacturer's or with the standard's specifications, whichever are larger.
Compliance with any standard cannot be claimed based solely on the periodic tests.

Measured Data: In Acoustical Calibrator Test Report # 39845 of one page.

Place of Calibration: Scantek, Inc.

6430 Dobbin Road, Suite C
Columbia, MD 21045 USA

Ph/Fax: 410-290-7726/ -9167
callab@scantekinc.com

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Appendix C

SUNY MesoNet Meteorological Data

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180718T000000	2018	07	18	00:00	62.4	73.9	0
20180718T000500	2018	07	18	00:05	62.4	74.4	0
20180718T001000	2018	07	18	00:10	62.4	74	0
20180718T001500	2018	07	18	00:15	62.2	74.7	0
20180718T002000	2018	07	18	00:20	62	75.4	0
20180718T002500	2018	07	18	00:25	62.3	74.1	0
20180718T003000	2018	07	18	00:30	62	74.5	0
20180718T003500	2018	07	18	00:35	62	74.6	0
20180718T004000	2018	07	18	00:40	62	75.1	0
20180718T004500	2018	07	18	00:45	62	75.4	0
20180718T005000	2018	07	18	00:50	61.7	77.1	0
20180718T005500	2018	07	18	00:55	61.6	78.4	0
20180718T010000	2018	07	18	01:00	61.4	80.2	0
20180718T010500	2018	07	18	01:05	61.4	81.2	0
20180718T011000	2018	07	18	01:10	61.2	83.2	0
20180718T011500	2018	07	18	01:15	61.3	84.2	0
20180718T012000	2018	07	18	01:20	61	87.5	0
20180718T012500	2018	07	18	01:25	61.3	88	0
20180718T013000	2018	07	18	01:30	61	89.8	0
20180718T013500	2018	07	18	01:35	61.1	90.2	0
20180718T014000	2018	07	18	01:40	60.9	91	0
20180718T014500	2018	07	18	01:45	60.6	93.3	0
20180718T015000	2018	07	18	01:50	61	93.2	0
20180718T015500	2018	07	18	01:55	60.8	94.6	0
20180718T020000	2018	07	18	02:00	60.4	96.6	0
20180718T020500	2018	07	18	02:05	60.3	99	0
20180718T021000	2018	07	18	02:10	60.6	99	0
20180718T021500	2018	07	18	02:15	60.3	99.8	0
20180718T022000	2018	07	18	02:20	60.4	100	0
20180718T022500	2018	07	18	02:25	60.5	100	0
20180718T023000	2018	07	18	02:30	60.8	100	0
20180718T023500	2018	07	18	02:35	60.6	100	0
20180718T024000	2018	07	18	02:40	60.3	100	0
20180718T024500	2018	07	18	02:45	60.1	100	0
20180718T025000	2018	07	18	02:50	60.4	100	0
20180718T025500	2018	07	18	02:55	60.4	100	0
20180718T030000	2018	07	18	03:00	59.8	100	0
20180718T030500	2018	07	18	03:05	60.1	100	0
20180718T031000	2018	07	18	03:10	60	100	0
20180718T031500	2018	07	18	03:15	60	100	0
20180718T032000	2018	07	18	03:20	60.3	100	0
20180718T032500	2018	07	18	03:25	60.4	100	0
20180718T033000	2018	07	18	03:30	60.6	100	0
20180718T033500	2018	07	18	03:35	60.6	100	0
20180718T034000	2018	07	18	03:40	60.8	100	0
20180718T034500	2018	07	18	03:45	61	100	0
20180718T035000	2018	07	18	03:50	60.7	100	0
20180718T035500	2018	07	18	03:55	60.8	100	0
20180718T040000	2018	07	18	04:00	60.9	100	0
20180718T040500	2018	07	18	04:05	60.7	100	0
20180718T041000	2018	07	18	04:10	60.7	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180718T041500	2018	07	18	04:15	60.7	100	0
20180718T042000	2018	07	18	04:20	60.4	100	0
20180718T042500	2018	07	18	04:25	60.3	100	0
20180718T043000	2018	07	18	04:30	60.3	100	0
20180718T043500	2018	07	18	04:35	60.3	100	0
20180718T044000	2018	07	18	04:40	60.4	100	0
20180718T044500	2018	07	18	04:45	60.4	100	0
20180718T045000	2018	07	18	04:50	60.6	100	0
20180718T045500	2018	07	18	04:55	60.7	100	0
20180718T050000	2018	07	18	05:00	60.7	100	0
20180718T050500	2018	07	18	05:05	60.8	100	0
20180718T051000	2018	07	18	05:10	60.4	100	0
20180718T051500	2018	07	18	05:15	60	100	0
20180718T052000	2018	07	18	05:20	59.9	100	0
20180718T052500	2018	07	18	05:25	59.7	100	0
20180718T053000	2018	07	18	05:30	59.5	100	0
20180718T053500	2018	07	18	05:35	59.3	100	0
20180718T054000	2018	07	18	05:40	59.3	100	0
20180718T054500	2018	07	18	05:45	58.9	100	0
20180718T055000	2018	07	18	05:50	59.1	100	0
20180718T055500	2018	07	18	05:55	59.1	100	0
20180718T060000	2018	07	18	06:00	58.9	100	0
20180718T060500	2018	07	18	06:05	58.9	100	0
20180718T061000	2018	07	18	06:10	58.9	100	0
20180718T061500	2018	07	18	06:15	59	100	0
20180718T062000	2018	07	18	06:20	58.9	100	0
20180718T062500	2018	07	18	06:25	58.8	100	0
20180718T063000	2018	07	18	06:30	58.6	100	0
20180718T063500	2018	07	18	06:35	58.6	100	0
20180718T064000	2018	07	18	06:40	58.7	100	0
20180718T064500	2018	07	18	06:45	58.9	100	0
20180718T065000	2018	07	18	06:50	58.7	100	0
20180718T065500	2018	07	18	06:55	58.7	100	0
20180718T070000	2018	07	18	07:00	58.8	100	0
20180718T070500	2018	07	18	07:05	59.1	100	0
20180718T071000	2018	07	18	07:10	59.5	100	0
20180718T071500	2018	07	18	07:15	59.7	100	0
20180718T072000	2018	07	18	07:20	59.9	100	0
20180718T072500	2018	07	18	07:25	60	98.7	0
20180718T073000	2018	07	18	07:30	60.1	96.9	0
20180718T073500	2018	07	18	07:35	60.2	96.3	0
20180718T074000	2018	07	18	07:40	60.6	95.3	0
20180718T074500	2018	07	18	07:45	60.7	93.7	0
20180718T075000	2018	07	18	07:50	60.7	91.5	0
20180718T075500	2018	07	18	07:55	60.9	90.3	0
20180718T080000	2018	07	18	08:00	61.1	91.3	0
20180718T080500	2018	07	18	08:05	60.9	92.5	0
20180718T081000	2018	07	18	08:10	61.4	90.2	0
20180718T081500	2018	07	18	08:15	61.7	87.7	0
20180718T082000	2018	07	18	08:20	62.4	83.8	0
20180718T082500	2018	07	18	08:25	61.9	80.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180718T083000	2018	07	18	08:30	62.3	79.8	0
20180718T083500	2018	07	18	08:35	62.4	78.1	0
20180718T084000	2018	07	18	08:40	62.5	76.8	0
20180718T084500	2018	07	18	08:45	62.4	76	0
20180718T085000	2018	07	18	08:50	62.8	74.9	0
20180718T085500	2018	07	18	08:55	62.6	73.4	0
20180718T090000	2018	07	18	09:00	62.7	72.5	0
20180718T090500	2018	07	18	09:05	62.8	72.6	0
20180718T091000	2018	07	18	09:10	63	73.2	0
20180718T091500	2018	07	18	09:15	62.9	73.5	0
20180718T092000	2018	07	18	09:20	63.5	74.3	0
20180718T092500	2018	07	18	09:25	63.8	73.9	0
20180718T093000	2018	07	18	09:30	64.6	73.1	0
20180718T093500	2018	07	18	09:35	64.3	69.9	0
20180718T094000	2018	07	18	09:40	64.1	71.7	0
20180718T094500	2018	07	18	09:45	63.3	71.4	0
20180718T095000	2018	07	18	09:50	63.3	72.5	0
20180718T095500	2018	07	18	09:55	63.3	71.4	0
20180718T100000	2018	07	18	10:00	64.2	69.2	0
20180718T100500	2018	07	18	10:05	64.8	71	0
20180718T101000	2018	07	18	10:10	64.8	68.4	0
20180718T101500	2018	07	18	10:15	63.9	71.2	0
20180718T102000	2018	07	18	10:20	63.9	72.3	0
20180718T102500	2018	07	18	10:25	63.6	73.4	0
20180718T103000	2018	07	18	10:30	63.3	73.4	0
20180718T103500	2018	07	18	10:35	63.1	74	0
20180718T104000	2018	07	18	10:40	64.1	72.5	0
20180718T104500	2018	07	18	10:45	64.9	71.9	0
20180718T105000	2018	07	18	10:50	63.1	78.4	0
20180718T105500	2018	07	18	10:55	62.6	83.4	0
20180718T110000	2018	07	18	11:00	65	76.6	0
20180718T110500	2018	07	18	11:05	65.3	69.5	0
20180718T111000	2018	07	18	11:10	65.9	68.5	0
20180718T111500	2018	07	18	11:15	64.6	70.4	0
20180718T112000	2018	07	18	11:20	63.8	70.1	0
20180718T112500	2018	07	18	11:25	65.1	72	0
20180718T113000	2018	07	18	11:30	66.3	69.3	0
20180718T113500	2018	07	18	11:35	65.9	66.8	0
20180718T114000	2018	07	18	11:40	66.6	65.2	0
20180718T114500	2018	07	18	11:45	66	64.9	0
20180718T115000	2018	07	18	11:50	66.6	66.1	0
20180718T115500	2018	07	18	11:55	65.2	63.4	0
20180718T120000	2018	07	18	12:00	65	67.3	0
20180718T120500	2018	07	18	12:05	64.4	69.4	0
20180718T121000	2018	07	18	12:10	65.3	69.7	0
20180718T121500	2018	07	18	12:15	66.8	65.4	0
20180718T122000	2018	07	18	12:20	67.1	62.2	0
20180718T122500	2018	07	18	12:25	66.9	62.2	0
20180718T123000	2018	07	18	12:30	65.9	63.7	0
20180718T123500	2018	07	18	12:35	66.3	64.6	0
20180718T124000	2018	07	18	12:40	67.1	62.6	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180718T124500	2018	07	18	12:45	65.3	62.7	0
20180718T125000	2018	07	18	12:50	66.1	64.7	0
20180718T125500	2018	07	18	12:55	66.8	62.3	0
20180718T130000	2018	07	18	13:00	66.3	62.8	0
20180718T130500	2018	07	18	13:05	67.2	61.2	0
20180718T131000	2018	07	18	13:10	67.1	58.9	0
20180718T131500	2018	07	18	13:15	67.8	59.2	0
20180718T132000	2018	07	18	13:20	68.1	57.4	0
20180718T132500	2018	07	18	13:25	67.8	57.3	0
20180718T133000	2018	07	18	13:30	67.1	57.5	0
20180718T133500	2018	07	18	13:35	67.7	58.3	0
20180718T134000	2018	07	18	13:40	67.5	56.8	0
20180718T134500	2018	07	18	13:45	67.3	57.6	0
20180718T135000	2018	07	18	13:50	67.9	58.1	0
20180718T135500	2018	07	18	13:55	68	55.7	0
20180718T140000	2018	07	18	14:00	67.1	54.5	0
20180718T140500	2018	07	18	14:05	67.8	55.7	0
20180718T141000	2018	07	18	14:10	67.8	55.2	0
20180718T141500	2018	07	18	14:15	67.7	54.5	0
20180718T142000	2018	07	18	14:20	68.5	53.8	0
20180718T142500	2018	07	18	14:25	68.8	53.7	0
20180718T143000	2018	07	18	14:30	68.1	52.7	0
20180718T143500	2018	07	18	14:35	68.2	54.6	0
20180718T144000	2018	07	18	14:40	68.4	52.6	0
20180718T144500	2018	07	18	14:45	68.8	53.7	0
20180718T145000	2018	07	18	14:50	69	52.3	0
20180718T145500	2018	07	18	14:55	69.2	51.9	0
20180718T150000	2018	07	18	15:00	69.4	54.3	0
20180718T150500	2018	07	18	15:05	69.1	51.7	0
20180718T151000	2018	07	18	15:10	67.9	51.9	0
20180718T151500	2018	07	18	15:15	68.6	52.2	0
20180718T152000	2018	07	18	15:20	68.5	52.9	0
20180718T152500	2018	07	18	15:25	67.5	52.7	0
20180718T153000	2018	07	18	15:30	68.2	53.5	0
20180718T153500	2018	07	18	15:35	69.1	53.6	0
20180718T154000	2018	07	18	15:40	68.8	52.4	0
20180718T154500	2018	07	18	15:45	68.8	51.6	0
20180718T155000	2018	07	18	15:50	69.7	54	0
20180718T155500	2018	07	18	15:55	69	52.1	0
20180718T160000	2018	07	18	16:00	69	53.2	0
20180718T160500	2018	07	18	16:05	69.4	53.5	0
20180718T161000	2018	07	18	16:10	69	52.1	0
20180718T161500	2018	07	18	16:15	68.6	52.4	0
20180718T162000	2018	07	18	16:20	68.5	52.8	0
20180718T162500	2018	07	18	16:25	68.4	52.9	0
20180718T163000	2018	07	18	16:30	69.2	53.5	0
20180718T163500	2018	07	18	16:35	68.5	54	0
20180718T164000	2018	07	18	16:40	67.8	53.5	0
20180718T164500	2018	07	18	16:45	68.7	53.6	0
20180718T165000	2018	07	18	16:50	68.6	52.8	0
20180718T165500	2018	07	18	16:55	68.5	53.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180718T170000	2018	07	18	17:00	68.6	53.6	0
20180718T170500	2018	07	18	17:05	68.5	53.4	0
20180718T171000	2018	07	18	17:10	66.6	54.5	0
20180718T171500	2018	07	18	17:15	66.8	56.1	0
20180718T172000	2018	07	18	17:20	67.5	55.2	0
20180718T172500	2018	07	18	17:25	67.8	55.3	0
20180718T173000	2018	07	18	17:30	67.9	54.2	0
20180718T173500	2018	07	18	17:35	68.1	53.7	0
20180718T174000	2018	07	18	17:40	68	52.9	0
20180718T174500	2018	07	18	17:45	68	54.4	0
20180718T175000	2018	07	18	17:50	68.2	53.6	0
20180718T175500	2018	07	18	17:55	66.8	54.7	0
20180718T180000	2018	07	18	18:00	66.8	57.6	0
20180718T180500	2018	07	18	18:05	67.4	55.1	0
20180718T181000	2018	07	18	18:10	67.6	54	0
20180718T181500	2018	07	18	18:15	67.3	54.3	0
20180718T182000	2018	07	18	18:20	66.9	54	0
20180718T182500	2018	07	18	18:25	66.9	57.1	0
20180718T183000	2018	07	18	18:30	67.2	57.6	0
20180718T183500	2018	07	18	18:35	66.8	56.8	0
20180718T184000	2018	07	18	18:40	66.5	57	0
20180718T184500	2018	07	18	18:45	66	57	0
20180718T185000	2018	07	18	18:50	66	57.9	0
20180718T185500	2018	07	18	18:55	66.3	58.3	0
20180718T190000	2018	07	18	19:00	65.6	56.6	0
20180718T190500	2018	07	18	19:05	65.3	56.8	0
20180718T191000	2018	07	18	19:10	65.4	57.9	0
20180718T191500	2018	07	18	19:15	64.8	57.7	0
20180718T192000	2018	07	18	19:20	64.7	58.2	0
20180718T192500	2018	07	18	19:25	64.4	58.9	0
20180718T193000	2018	07	18	19:30	64.3	58.9	0
20180718T193500	2018	07	18	19:35	64.1	59.7	0
20180718T194000	2018	07	18	19:40	63.7	59.5	0
20180718T194500	2018	07	18	19:45	63.7	59.8	0
20180718T195000	2018	07	18	19:50	63.2	62.2	0
20180718T195500	2018	07	18	19:55	62.9	61.6	0
20180718T200000	2018	07	18	20:00	62.9	61.8	0
20180718T200500	2018	07	18	20:05	62.7	61.7	0
20180718T201000	2018	07	18	20:10	62.1	63.5	0
20180718T201500	2018	07	18	20:15	61.5	63.5	0
20180718T202000	2018	07	18	20:20	61.4	62.7	0
20180718T202500	2018	07	18	20:25	60.8	64.2	0
20180718T203000	2018	07	18	20:30	60.4	64	0
20180718T203500	2018	07	18	20:35	59.9	64.9	0
20180718T204000	2018	07	18	20:40	59.6	65.3	0
20180718T204500	2018	07	18	20:45	59.1	65.9	0
20180718T205000	2018	07	18	20:50	59	65	0
20180718T205500	2018	07	18	20:55	58.2	66.5	0
20180718T210000	2018	07	18	21:00	58.4	65.8	0
20180718T210500	2018	07	18	21:05	58.3	65.1	0
20180718T211000	2018	07	18	21:10	58.7	62.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180718T211500	2018	07	18	21:15	58.6	62.4	0
20180718T212000	2018	07	18	21:20	58.5	61.9	0
20180718T212500	2018	07	18	21:25	58.5	61.7	0
20180718T213000	2018	07	18	21:30	58.6	61.1	0
20180718T213500	2018	07	18	21:35	58.3	61.3	0
20180718T214000	2018	07	18	21:40	58.1	61.8	0
20180718T214500	2018	07	18	21:45	58.4	61.4	0
20180718T215000	2018	07	18	21:50	57.9	62	0
20180718T215500	2018	07	18	21:55	57.8	62.6	0
20180718T220000	2018	07	18	22:00	58.1	61.7	0
20180718T220500	2018	07	18	22:05	58	61.2	0
20180718T221000	2018	07	18	22:10	58	60.1	0
20180718T221500	2018	07	18	22:15	58	59.9	0
20180718T222000	2018	07	18	22:20	57.4	60.7	0
20180718T222500	2018	07	18	22:25	57.3	61.5	0
20180718T223000	2018	07	18	22:30	57	63.3	0
20180718T223500	2018	07	18	22:35	57.5	63.3	0
20180718T224000	2018	07	18	22:40	57.6	63.1	0
20180718T224500	2018	07	18	22:45	57.4	63.2	0
20180718T225000	2018	07	18	22:50	57.4	63.6	0
20180718T225500	2018	07	18	22:55	57.1	65.1	0
20180718T230000	2018	07	18	23:00	56.8	65.2	0
20180718T230500	2018	07	18	23:05	56.9	64.9	0
20180718T231000	2018	07	18	23:10	56.8	63.9	0
20180718T231500	2018	07	18	23:15	57.1	62	0
20180718T232000	2018	07	18	23:20	56.9	61.2	0
20180718T232500	2018	07	18	23:25	56.9	60.5	0
20180718T233000	2018	07	18	23:30	57	59.4	0
20180718T233500	2018	07	18	23:35	57.1	59.6	0
20180718T234000	2018	07	18	23:40	57.6	58.9	0
20180718T234500	2018	07	18	23:45	57.3	59.4	0
20180718T235000	2018	07	18	23:50	56.6	60.7	0
20180718T235500	2018	07	18	23:55	56.9	60.1	0
20180719T000000	2018	07	19	00:00	56.5	60.6	0
20180719T000500	2018	07	19	00:05	57.1	59.1	0
20180719T001000	2018	07	19	00:10	57.3	58.5	0
20180719T001500	2018	07	19	00:15	57.7	57.2	0
20180719T002000	2018	07	19	00:20	58.4	55.1	0
20180719T002500	2018	07	19	00:25	58.4	54.2	0
20180719T003000	2018	07	19	00:30	58.4	53.2	0
20180719T003500	2018	07	19	00:35	58.2	53.7	0
20180719T004000	2018	07	19	00:40	58.3	54.1	0
20180719T004500	2018	07	19	00:45	58.3	53.7	0
20180719T005000	2018	07	19	00:50	58.3	53.6	0
20180719T005500	2018	07	19	00:55	58.5	53.8	0
20180719T010000	2018	07	19	01:00	58.1	54.1	0
20180719T010500	2018	07	19	01:05	57.9	54.2	0
20180719T011000	2018	07	19	01:10	58	53.9	0
20180719T011500	2018	07	19	01:15	57.7	55.2	0
20180719T012000	2018	07	19	01:20	57.8	55.3	0
20180719T012500	2018	07	19	01:25	57.6	54.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180719T013000	2018	07	19	01:30	58.3	54.1	0
20180719T013500	2018	07	19	01:35	58.5	54	0
20180719T014000	2018	07	19	01:40	57.7	54.3	0
20180719T014500	2018	07	19	01:45	57.4	55	0
20180719T015000	2018	07	19	01:50	56.5	56.8	0
20180719T015500	2018	07	19	01:55	56.4	57.8	0
20180719T020000	2018	07	19	02:00	56.1	58.2	0
20180719T020500	2018	07	19	02:05	56.3	57.8	0
20180719T021000	2018	07	19	02:10	56.2	58.7	0
20180719T021500	2018	07	19	02:15	56.4	58.3	0
20180719T022000	2018	07	19	02:20	56.6	56.8	0
20180719T022500	2018	07	19	02:25	56.6	56.3	0
20180719T023000	2018	07	19	02:30	56.6	55.8	0
20180719T023500	2018	07	19	02:35	57	55.7	0
20180719T024000	2018	07	19	02:40	58.4	53.7	0
20180719T024500	2018	07	19	02:45	58.3	53.2	0
20180719T025000	2018	07	19	02:50	57.3	53.9	0
20180719T025500	2018	07	19	02:55	57	54.5	0
20180719T030000	2018	07	19	03:00	57.1	54.2	0
20180719T030500	2018	07	19	03:05	57.3	54.1	0
20180719T031000	2018	07	19	03:10	57.2	54.2	0
20180719T031500	2018	07	19	03:15	57.2	54.2	0
20180719T032000	2018	07	19	03:20	56.7	54.6	0
20180719T032500	2018	07	19	03:25	57	54.1	0
20180719T033000	2018	07	19	03:30	57	53.9	0
20180719T033500	2018	07	19	03:35	56.9	53.9	0
20180719T034000	2018	07	19	03:40	56.7	54.6	0
20180719T034500	2018	07	19	03:45	56.8	54.7	0
20180719T035000	2018	07	19	03:50	56.7	55.5	0
20180719T035500	2018	07	19	03:55	57	54.7	0
20180719T040000	2018	07	19	04:00	57.4	53.7	0
20180719T040500	2018	07	19	04:05	57.3	53.4	0
20180719T041000	2018	07	19	04:10	57.2	53.7	0
20180719T041500	2018	07	19	04:15	57.6	53.1	0
20180719T042000	2018	07	19	04:20	57.4	53.2	0
20180719T042500	2018	07	19	04:25	57.3	53.5	0
20180719T043000	2018	07	19	04:30	57.2	53.7	0
20180719T043500	2018	07	19	04:35	57.3	53.1	0
20180719T044000	2018	07	19	04:40	56.6	55.9	0
20180719T044500	2018	07	19	04:45	56.6	55.7	0
20180719T045000	2018	07	19	04:50	56.6	55.4	0
20180719T045500	2018	07	19	04:55	56.6	55.6	0
20180719T050000	2018	07	19	05:00	56.6	55.7	0
20180719T050500	2018	07	19	05:05	56.6	56.5	0
20180719T051000	2018	07	19	05:10	56.7	55.7	0
20180719T051500	2018	07	19	05:15	56.7	55.6	0
20180719T052000	2018	07	19	05:20	56.8	55.4	0
20180719T052500	2018	07	19	05:25	56.7	55.4	0
20180719T053000	2018	07	19	05:30	56.3	56.4	0
20180719T053500	2018	07	19	05:35	56.4	56.6	0
20180719T054000	2018	07	19	05:40	56.2	57.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180719T054500	2018	07	19	05:45	56.4	57	0
20180719T055000	2018	07	19	05:50	56.4	57	0
20180719T055500	2018	07	19	05:55	56.3	57.4	0
20180719T060000	2018	07	19	06:00	56.3	57.2	0
20180719T060500	2018	07	19	06:05	56.6	57	0
20180719T061000	2018	07	19	06:10	56.3	57.4	0
20180719T061500	2018	07	19	06:15	56.2	58.1	0
20180719T062000	2018	07	19	06:20	56.4	58.1	0
20180719T062500	2018	07	19	06:25	56.3	58.1	0
20180719T063000	2018	07	19	06:30	56.7	58.1	0
20180719T063500	2018	07	19	06:35	57.1	57.3	0
20180719T064000	2018	07	19	06:40	57	57.3	0
20180719T064500	2018	07	19	06:45	57.4	56.5	0
20180719T065000	2018	07	19	06:50	57.6	56.6	0
20180719T065500	2018	07	19	06:55	57.9	56.4	0
20180719T070000	2018	07	19	07:00	58.1	57.6	0
20180719T070500	2018	07	19	07:05	58.5	57.8	0
20180719T071000	2018	07	19	07:10	57.9	57.2	0
20180719T071500	2018	07	19	07:15	58.1	57	0
20180719T072000	2018	07	19	07:20	59.4	54.9	0
20180719T072500	2018	07	19	07:25	59.1	57.6	0
20180719T073000	2018	07	19	07:30	59.7	58.2	0
20180719T073500	2018	07	19	07:35	60	59.5	0
20180719T074000	2018	07	19	07:40	60.1	61.5	0
20180719T074500	2018	07	19	07:45	60.1	61.9	0
20180719T075000	2018	07	19	07:50	60.4	61.8	0
20180719T075500	2018	07	19	07:55	60.9	59.7	0
20180719T080000	2018	07	19	08:00	61.3	59.7	0
20180719T080500	2018	07	19	08:05	61.3	60.2	0
20180719T081000	2018	07	19	08:10	61.4	60.3	0
20180719T081500	2018	07	19	08:15	61.6	59	0
20180719T082000	2018	07	19	08:20	61.8	58.3	0
20180719T082500	2018	07	19	08:25	62	57.6	0
20180719T083000	2018	07	19	08:30	62	58.1	0
20180719T083500	2018	07	19	08:35	62.5	56.9	0
20180719T084000	2018	07	19	08:40	62.7	57	0
20180719T084500	2018	07	19	08:45	62.9	56.1	0
20180719T085000	2018	07	19	08:50	62.8	54.5	0
20180719T085500	2018	07	19	08:55	62.9	54.8	0
20180719T090000	2018	07	19	09:00	63.4	56.2	0
20180719T090500	2018	07	19	09:05	63.5	55	0
20180719T091000	2018	07	19	09:10	63.8	55.1	0
20180719T091500	2018	07	19	09:15	63.7	54.3	0
20180719T092000	2018	07	19	09:20	63.7	55.4	0
20180719T092500	2018	07	19	09:25	63.8	55.1	0
20180719T093000	2018	07	19	09:30	63.8	55.7	0
20180719T093500	2018	07	19	09:35	64.6	55.6	0
20180719T094000	2018	07	19	09:40	64.3	54.8	0
20180719T094500	2018	07	19	09:45	65.1	55.1	0
20180719T095000	2018	07	19	09:50	65.2	56.3	0
20180719T095500	2018	07	19	09:55	64.9	54.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180719T100000	2018	07	19	10:00	65.2	56.9	0
20180719T100500	2018	07	19	10:05	65.8	55.3	0
20180719T101000	2018	07	19	10:10	65.1	55.2	0
20180719T101500	2018	07	19	10:15	65.3	54.8	0
20180719T102000	2018	07	19	10:20	66.3	57.2	0
20180719T102500	2018	07	19	10:25	65.9	54.6	0
20180719T103000	2018	07	19	10:30	66	53.9	0
20180719T103500	2018	07	19	10:35	66.4	55.4	0
20180719T104000	2018	07	19	10:40	66.5	54.8	0
20180719T104500	2018	07	19	10:45	66.3	51.5	0
20180719T105000	2018	07	19	10:50	66.3	50.2	0
20180719T105500	2018	07	19	10:55	67.2	51.8	0
20180719T110000	2018	07	19	11:00	67.3	52.1	0
20180719T110500	2018	07	19	11:05	67.1	50.9	0
20180719T111000	2018	07	19	11:10	67.2	50.6	0
20180719T111500	2018	07	19	11:15	68	53.7	0
20180719T112000	2018	07	19	11:20	68.1	51.1	0
20180719T112500	2018	07	19	11:25	67.9	50.9	0
20180719T113000	2018	07	19	11:30	67.7	51	0
20180719T113500	2018	07	19	11:35	67.5	51.5	0
20180719T114000	2018	07	19	11:40	67.8	50.7	0
20180719T114500	2018	07	19	11:45	67.2	49.4	0
20180719T115000	2018	07	19	11:50	67.6	49.8	0
20180719T115500	2018	07	19	11:55	68.7	50.2	0
20180719T120000	2018	07	19	12:00	68.8	53	0
20180719T120500	2018	07	19	12:05	69	48.8	0
20180719T121000	2018	07	19	12:10	69.3	50.1	0
20180719T121500	2018	07	19	12:15	68.8	47.1	0
20180719T122000	2018	07	19	12:20	69.4	49.5	0
20180719T122500	2018	07	19	12:25	70.2	50.3	0
20180719T123000	2018	07	19	12:30	69.5	46.4	0
20180719T123500	2018	07	19	12:35	69.5	47.6	0
20180719T124000	2018	07	19	12:40	70.1	47.6	0
20180719T124500	2018	07	19	12:45	70.5	48.5	0
20180719T125000	2018	07	19	12:50	70.1	47.8	0
20180719T125500	2018	07	19	12:55	71	47.6	0
20180719T130000	2018	07	19	13:00	69.9	45.3	0
20180719T130500	2018	07	19	13:05	70.4	46.7	0
20180719T131000	2018	07	19	13:10	69.9	44.7	0
20180719T131500	2018	07	19	13:15	70.6	44.8	0
20180719T132000	2018	07	19	13:20	70.7	44.2	0
20180719T132500	2018	07	19	13:25	70.5	43.2	0
20180719T133000	2018	07	19	13:30	70.6	43.1	0
20180719T133500	2018	07	19	13:35	71.3	44.2	0
20180719T134000	2018	07	19	13:40	72.3	47.7	0
20180719T134500	2018	07	19	13:45	71.5	44.4	0
20180719T135000	2018	07	19	13:50	71.9	45	0
20180719T135500	2018	07	19	13:55	72	46.3	0
20180719T140000	2018	07	19	14:00	71.5	42.9	0
20180719T140500	2018	07	19	14:05	71.1	42.3	0
20180719T141000	2018	07	19	14:10	72.4	43.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180719T141500	2018	07	19	14:15	71.9	39.6	0
20180719T142000	2018	07	19	14:20	72.1	40.4	0
20180719T142500	2018	07	19	14:25	72.6	42.1	0
20180719T143000	2018	07	19	14:30	72.8	42.2	0
20180719T143500	2018	07	19	14:35	72.8	41	0
20180719T144000	2018	07	19	14:40	72.5	43	0
20180719T144500	2018	07	19	14:45	72.4	45.1	0
20180719T145000	2018	07	19	14:50	71.6	44.5	0
20180719T145500	2018	07	19	14:55	72.4	45.9	0
20180719T150000	2018	07	19	15:00	72.9	45.4	0
20180719T150500	2018	07	19	15:05	72.4	45	0
20180719T151000	2018	07	19	15:10	72.3	45.2	0
20180719T151500	2018	07	19	15:15	73.2	45.8	0
20180719T152000	2018	07	19	15:20	72.7	46.3	0
20180719T152500	2018	07	19	15:25	72.7	44.7	0
20180719T153000	2018	07	19	15:30	72.8	45.7	0
20180719T153500	2018	07	19	15:35	73.3	45.2	0
20180719T154000	2018	07	19	15:40	73	44.1	0
20180719T154500	2018	07	19	15:45	72.9	45.2	0
20180719T155000	2018	07	19	15:50	73.1	43.9	0
20180719T155500	2018	07	19	15:55	72.7	40.2	0
20180719T160000	2018	07	19	16:00	73.1	42.3	0
20180719T160500	2018	07	19	16:05	73.4	41.6	0
20180719T161000	2018	07	19	16:10	73.6	42.4	0
20180719T161500	2018	07	19	16:15	73.4	41.6	0
20180719T162000	2018	07	19	16:20	73.2	41.4	0
20180719T162500	2018	07	19	16:25	73.4	42.2	0
20180719T163000	2018	07	19	16:30	73.7	43.2	0
20180719T163500	2018	07	19	16:35	73.9	42.3	0
20180719T164000	2018	07	19	16:40	74.4	40.8	0
20180719T164500	2018	07	19	16:45	74.4	40.2	0
20180719T165000	2018	07	19	16:50	73.7	39.8	0
20180719T165500	2018	07	19	16:55	73.8	38.8	0
20180719T170000	2018	07	19	17:00	73.8	39.4	0
20180719T170500	2018	07	19	17:05	74.1	41.5	0
20180719T171000	2018	07	19	17:10	74.2	40.7	0
20180719T171500	2018	07	19	17:15	74	39.5	0
20180719T172000	2018	07	19	17:20	73.8	38	0
20180719T172500	2018	07	19	17:25	74.1	39.8	0
20180719T173000	2018	07	19	17:30	74.5	39.7	0
20180719T173500	2018	07	19	17:35	74.5	38.4	0
20180719T174000	2018	07	19	17:40	74.2	37.5	0
20180719T174500	2018	07	19	17:45	74.3	38.2	0
20180719T175000	2018	07	19	17:50	74.5	40.4	0
20180719T175500	2018	07	19	17:55	74.2	40	0
20180719T180000	2018	07	19	18:00	74	41	0
20180719T180500	2018	07	19	18:05	74.3	40.8	0
20180719T181000	2018	07	19	18:10	74.1	40	0
20180719T181500	2018	07	19	18:15	73.8	40.3	0
20180719T182000	2018	07	19	18:20	73.8	41.4	0
20180719T182500	2018	07	19	18:25	73.9	41.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180719T183000	2018	07	19	18:30	73.7	40.1	0
20180719T183500	2018	07	19	18:35	73.8	41	0
20180719T184000	2018	07	19	18:40	73.7	41.3	0
20180719T184500	2018	07	19	18:45	73.6	42.5	0
20180719T185000	2018	07	19	18:50	73.5	43.8	0
20180719T185500	2018	07	19	18:55	73.4	43.4	0
20180719T190000	2018	07	19	19:00	73.3	45	0
20180719T190500	2018	07	19	19:05	73.2	44.8	0
20180719T191000	2018	07	19	19:10	73.3	43	0
20180719T191500	2018	07	19	19:15	73.4	44.2	0
20180719T192000	2018	07	19	19:20	73.3	47	0
20180719T192500	2018	07	19	19:25	73.2	45.4	0
20180719T193000	2018	07	19	19:30	73.5	46	0
20180719T193500	2018	07	19	19:35	72.9	48.4	0
20180719T194000	2018	07	19	19:40	72.6	49.6	0
20180719T194500	2018	07	19	19:45	72.3	48.9	0
20180719T195000	2018	07	19	19:50	71.9	47.3	0
20180719T195500	2018	07	19	19:55	71.6	47.8	0
20180719T200000	2018	07	19	20:00	71.4	47.9	0
20180719T200500	2018	07	19	20:05	71	48.4	0
20180719T201000	2018	07	19	20:10	70.5	48.5	0
20180719T201500	2018	07	19	20:15	70.5	47.4	0
20180719T202000	2018	07	19	20:20	70.1	47.6	0
20180719T202500	2018	07	19	20:25	69.6	47.8	0
20180719T203000	2018	07	19	20:30	69.2	48.8	0
20180719T203500	2018	07	19	20:35	69.2	48.8	0
20180719T204000	2018	07	19	20:40	68.5	50.1	0
20180719T204500	2018	07	19	20:45	68.1	51.9	0
20180719T205000	2018	07	19	20:50	67.7	53.9	0
20180719T205500	2018	07	19	20:55	68	54.2	0
20180719T210000	2018	07	19	21:00	67.7	53.4	0
20180719T210500	2018	07	19	21:05	67.7	52.4	0
20180719T211000	2018	07	19	21:10	67.6	51.4	0
20180719T211500	2018	07	19	21:15	67.6	50.5	0
20180719T212000	2018	07	19	21:20	67.4	50.8	0
20180719T212500	2018	07	19	21:25	67.4	50.5	0
20180719T213000	2018	07	19	21:30	67.1	51.2	0
20180719T213500	2018	07	19	21:35	67.4	50.7	0
20180719T214000	2018	07	19	21:40	67.2	51.4	0
20180719T214500	2018	07	19	21:45	67	52.1	0
20180719T215000	2018	07	19	21:50	67.1	51.7	0
20180719T215500	2018	07	19	21:55	66.8	52.3	0
20180719T220000	2018	07	19	22:00	66.7	52.4	0
20180719T220500	2018	07	19	22:05	66.6	52.5	0
20180719T221000	2018	07	19	22:10	66.5	52.9	0
20180719T221500	2018	07	19	22:15	66.6	52.8	0
20180719T222000	2018	07	19	22:20	66.3	53.2	0
20180719T222500	2018	07	19	22:25	66	53.8	0
20180719T223000	2018	07	19	22:30	66	53.2	0
20180719T223500	2018	07	19	22:35	66	52.8	0
20180719T224000	2018	07	19	22:40	66	52.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180719T224500	2018	07	19	22:45	66	52.3	0
20180719T225000	2018	07	19	22:50	65.4	54	0
20180719T225500	2018	07	19	22:55	65.1	54.5	0
20180719T230000	2018	07	19	23:00	64.7	55.3	0
20180719T230500	2018	07	19	23:05	64.5	55.4	0
20180719T231000	2018	07	19	23:10	64.6	55.2	0
20180719T231500	2018	07	19	23:15	64.9	54.2	0
20180719T232000	2018	07	19	23:20	64.6	54.9	0
20180719T232500	2018	07	19	23:25	65.1	53.4	0
20180719T233000	2018	07	19	23:30	65.1	52.9	0
20180719T233500	2018	07	19	23:35	64.7	54.4	0
20180719T234000	2018	07	19	23:40	64.5	55.2	0
20180719T234500	2018	07	19	23:45	65.2	54.1	0
20180719T235000	2018	07	19	23:50	64.9	54.7	0
20180719T235500	2018	07	19	23:55	64.7	54.9	0
20180720T000000	2018	07	20	00:00	64.1	56.4	0
20180720T000500	2018	07	20	00:05	64.4	55.8	0
20180720T001000	2018	07	20	00:10	63.9	56.7	0
20180720T001500	2018	07	20	00:15	64.2	55.9	0
20180720T002000	2018	07	20	00:20	63.5	57.5	0
20180720T002500	2018	07	20	00:25	63.4	58	0
20180720T003000	2018	07	20	00:30	63.6	57.9	0
20180720T003500	2018	07	20	00:35	64	57.2	0
20180720T004000	2018	07	20	00:40	64.3	55.5	0
20180720T004500	2018	07	20	00:45	63.8	56.3	0
20180720T005000	2018	07	20	00:50	63.9	55.6	0
20180720T005500	2018	07	20	00:55	63.9	55.5	0
20180720T010000	2018	07	20	01:00	64.7	54.5	0
20180720T010500	2018	07	20	01:05	64.6	54.8	0
20180720T011000	2018	07	20	01:10	64.1	55.8	0
20180720T011500	2018	07	20	01:15	63.8	56.4	0
20180720T012000	2018	07	20	01:20	63.9	57.1	0
20180720T012500	2018	07	20	01:25	64.4	57.6	0
20180720T013000	2018	07	20	01:30	64.4	58.1	0
20180720T013500	2018	07	20	01:35	64.3	59.2	0
20180720T014000	2018	07	20	01:40	64.4	60	0
20180720T014500	2018	07	20	01:45	64.3	60.8	0
20180720T015000	2018	07	20	01:50	64.3	61	0
20180720T015500	2018	07	20	01:55	64	61.8	0
20180720T020000	2018	07	20	02:00	64	62.2	0
20180720T020500	2018	07	20	02:05	64	62.4	0
20180720T021000	2018	07	20	02:10	63.8	63	0
20180720T021500	2018	07	20	02:15	63.8	63.4	0
20180720T022000	2018	07	20	02:20	63.7	64.1	0
20180720T022500	2018	07	20	02:25	63.6	64.9	0
20180720T023000	2018	07	20	02:30	63.9	65.8	0
20180720T023500	2018	07	20	02:35	63.8	66.9	0
20180720T024000	2018	07	20	02:40	63.8	66.6	0
20180720T024500	2018	07	20	02:45	63.6	67.1	0
20180720T025000	2018	07	20	02:50	63.5	67.9	0
20180720T025500	2018	07	20	02:55	63.3	68.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180720T030000	2018	07	20	03:00	63.4	69.6	0
20180720T030500	2018	07	20	03:05	63.5	70.5	0
20180720T031000	2018	07	20	03:10	63.6	70.1	0
20180720T031500	2018	07	20	03:15	63.4	70.1	0
20180720T032000	2018	07	20	03:20	63.4	71	0
20180720T032500	2018	07	20	03:25	63.6	70.7	0
20180720T033000	2018	07	20	03:30	63.5	70.9	0
20180720T033500	2018	07	20	03:35	63.7	70	0
20180720T034000	2018	07	20	03:40	63.9	69.1	0
20180720T034500	2018	07	20	03:45	63.9	68.6	0
20180720T035000	2018	07	20	03:50	64.3	68.2	0
20180720T035500	2018	07	20	03:55	64.2	68	0
20180720T040000	2018	07	20	04:00	63.9	68.8	0
20180720T040500	2018	07	20	04:05	64.2	68.2	0
20180720T041000	2018	07	20	04:10	64.5	67.2	0
20180720T041500	2018	07	20	04:15	64.5	67.5	0
20180720T042000	2018	07	20	04:20	64.5	67.4	0
20180720T042500	2018	07	20	04:25	64.3	68	0
20180720T043000	2018	07	20	04:30	63.8	68.5	0
20180720T043500	2018	07	20	04:35	63.6	69.2	0
20180720T044000	2018	07	20	04:40	63.7	68.7	0
20180720T044500	2018	07	20	04:45	63.3	69	0
20180720T045000	2018	07	20	04:50	63.5	68.9	0
20180720T045500	2018	07	20	04:55	63.2	69.6	0
20180720T050000	2018	07	20	05:00	63.1	70.2	0
20180720T050500	2018	07	20	05:05	63.6	69.4	0
20180720T051000	2018	07	20	05:10	63.3	70.3	0
20180720T051500	2018	07	20	05:15	63.8	69.5	0
20180720T052000	2018	07	20	05:20	63.5	69.7	0
20180720T052500	2018	07	20	05:25	62.8	71.6	0
20180720T053000	2018	07	20	05:30	63.2	71.3	0
20180720T053500	2018	07	20	05:35	62.7	71.9	0
20180720T054000	2018	07	20	05:40	62.3	73.7	0
20180720T054500	2018	07	20	05:45	61.9	75.1	0
20180720T055000	2018	07	20	05:50	61.8	76.8	0
20180720T055500	2018	07	20	05:55	62.1	76.2	0
20180720T060000	2018	07	20	06:00	62.3	75.4	0
20180720T060500	2018	07	20	06:05	62.5	74.5	0
20180720T061000	2018	07	20	06:10	62.4	74.9	0
20180720T061500	2018	07	20	06:15	62.5	74.2	0
20180720T062000	2018	07	20	06:20	62.6	73.3	0
20180720T062500	2018	07	20	06:25	62.4	74.7	0
20180720T063000	2018	07	20	06:30	62.8	73.2	0
20180720T063500	2018	07	20	06:35	62.1	75.1	0
20180720T064000	2018	07	20	06:40	62	76.6	0
20180720T064500	2018	07	20	06:45	62	77.3	0
20180720T065000	2018	07	20	06:50	61.7	78.6	0
20180720T065500	2018	07	20	06:55	61.9	78.1	0
20180720T070000	2018	07	20	07:00	61.8	77.4	0
20180720T070500	2018	07	20	07:05	61.9	76.3	0
20180720T071000	2018	07	20	07:10	62.3	75.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180720T071500	2018	07	20	07:15	62.7	73.5	0
20180720T072000	2018	07	20	07:20	63	72.2	0
20180720T072500	2018	07	20	07:25	63.2	71.6	0
20180720T073000	2018	07	20	07:30	63.5	70.9	0
20180720T073500	2018	07	20	07:35	63.7	70.8	0
20180720T074000	2018	07	20	07:40	63.9	70.8	0
20180720T074500	2018	07	20	07:45	64.3	70.3	0
20180720T075000	2018	07	20	07:50	64.6	69.1	0
20180720T075500	2018	07	20	07:55	64.8	69.1	0
20180720T080000	2018	07	20	08:00	65	69.4	0
20180720T080500	2018	07	20	08:05	65.2	69.1	0
20180720T081000	2018	07	20	08:10	65.4	69	0
20180720T081500	2018	07	20	08:15	65.6	68.7	0
20180720T082000	2018	07	20	08:20	65.9	68.3	0
20180720T082500	2018	07	20	08:25	66.2	68.6	0
20180720T083000	2018	07	20	08:30	66.6	68.6	0
20180720T083500	2018	07	20	08:35	67	67.8	0
20180720T084000	2018	07	20	08:40	67.3	68	0
20180720T084500	2018	07	20	08:45	67.5	68	0
20180720T085000	2018	07	20	08:50	67.5	67.5	0
20180720T085500	2018	07	20	08:55	67.7	68.8	0
20180720T090000	2018	07	20	09:00	67.7	68.2	0
20180720T090500	2018	07	20	09:05	67.9	69.1	0
20180720T091000	2018	07	20	09:10	68.4	69.6	0
20180720T091500	2018	07	20	09:15	68.5	68.5	0
20180720T092000	2018	07	20	09:20	68.7	68.6	0
20180720T092500	2018	07	20	09:25	68.7	69.3	0
20180720T093000	2018	07	20	09:30	68.9	68.9	0
20180720T093500	2018	07	20	09:35	69.3	68.6	0
20180720T094000	2018	07	20	09:40	69.5	68.7	0
20180720T094500	2018	07	20	09:45	69.9	68.7	0
20180720T095000	2018	07	20	09:50	70.2	67.8	0
20180720T095500	2018	07	20	09:55	70.7	68.4	0
20180720T100000	2018	07	20	10:00	70.9	68.9	0
20180720T100500	2018	07	20	10:05	70.6	67.4	0
20180720T101000	2018	07	20	10:10	70.8	67.8	0
20180720T101500	2018	07	20	10:15	71.1	68	0
20180720T102000	2018	07	20	10:20	71.6	66.5	0
20180720T102500	2018	07	20	10:25	71.6	64.9	0
20180720T103000	2018	07	20	10:30	72.1	64.9	0
20180720T103500	2018	07	20	10:35	72.4	63.8	0
20180720T104000	2018	07	20	10:40	72.3	62.5	0
20180720T104500	2018	07	20	10:45	72.2	62.8	0
20180720T105000	2018	07	20	10:50	73.1	63	0
20180720T105500	2018	07	20	10:55	73.3	60.2	0
20180720T110000	2018	07	20	11:00	73.2	60.4	0
20180720T110500	2018	07	20	11:05	73.2	59.4	0
20180720T111000	2018	07	20	11:10	73.5	61.1	0
20180720T111500	2018	07	20	11:15	73.8	59.9	0
20180720T112000	2018	07	20	11:20	73.9	61.8	0
20180720T112500	2018	07	20	11:25	74.1	58.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180720T113000	2018	07	20	11:30	73.7	57.1	0
20180720T113500	2018	07	20	11:35	74	57	0
20180720T114000	2018	07	20	11:40	73.9	57	0
20180720T114500	2018	07	20	11:45	74	55.6	0
20180720T115000	2018	07	20	11:50	73.9	58.2	0
20180720T115500	2018	07	20	11:55	74.8	58.8	0
20180720T120000	2018	07	20	12:00	74.4	58.3	0
20180720T120500	2018	07	20	12:05	75.5	60.6	0
20180720T121000	2018	07	20	12:10	74.7	58.7	0
20180720T121500	2018	07	20	12:15	74.8	58.7	0
20180720T122000	2018	07	20	12:20	75.5	60.7	0
20180720T122500	2018	07	20	12:25	76	60	0
20180720T123000	2018	07	20	12:30	75.5	58.4	0
20180720T123500	2018	07	20	12:35	74.9	59.2	0
20180720T124000	2018	07	20	12:40	75.4	61.6	0
20180720T124500	2018	07	20	12:45	75.1	60.4	0
20180720T125000	2018	07	20	12:50	74.7	61.6	0
20180720T125500	2018	07	20	12:55	76.1	63.5	0
20180720T130000	2018	07	20	13:00	76	60.6	0
20180720T130500	2018	07	20	13:05	76.3	60.1	0
20180720T131000	2018	07	20	13:10	76.6	59.4	0
20180720T131500	2018	07	20	13:15	76.9	59.9	0
20180720T132000	2018	07	20	13:20	76.8	58.2	0
20180720T132500	2018	07	20	13:25	76.8	56.6	0
20180720T133000	2018	07	20	13:30	77.8	57.2	0
20180720T133500	2018	07	20	13:35	77.2	56	0
20180720T134000	2018	07	20	13:40	77.2	56.2	0
20180720T134500	2018	07	20	13:45	77.3	54.4	0
20180720T135000	2018	07	20	13:50	77.4	53.3	0
20180720T135500	2018	07	20	13:55	77.6	51.8	0
20180720T140000	2018	07	20	14:00	77.4	51.9	0
20180720T140500	2018	07	20	14:05	77.9	54.1	0
20180720T141000	2018	07	20	14:10	77.7	52.6	0
20180720T141500	2018	07	20	14:15	77.8	51.8	0
20180720T142000	2018	07	20	14:20	78.1	51.5	0
20180720T142500	2018	07	20	14:25	78.3	52.6	0
20180720T143000	2018	07	20	14:30	78.3	52.1	0
20180720T143500	2018	07	20	14:35	78.7	52.9	0
20180720T144000	2018	07	20	14:40	78.4	51.6	0
20180720T144500	2018	07	20	14:45	78.4	51.7	0
20180720T145000	2018	07	20	14:50	79	52.8	0
20180720T145500	2018	07	20	14:55	79.1	51.8	0
20180720T150000	2018	07	20	15:00	78.2	49.9	0
20180720T150500	2018	07	20	15:05	78.3	50.3	0
20180720T151000	2018	07	20	15:10	78.7	50.9	0
20180720T151500	2018	07	20	15:15	78.8	49.4	0
20180720T152000	2018	07	20	15:20	78.9	51.6	0
20180720T152500	2018	07	20	15:25	78.6	50.8	0
20180720T153000	2018	07	20	15:30	78.5	49.5	0
20180720T153500	2018	07	20	15:35	78.6	50	0
20180720T154000	2018	07	20	15:40	78.8	50	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180720T154500	2018	07	20	15:45	79.1	50.3	0
20180720T155000	2018	07	20	15:50	78.4	48.9	0
20180720T155500	2018	07	20	15:55	78.6	48.4	0
20180720T160000	2018	07	20	16:00	78.6	48.6	0
20180720T160500	2018	07	20	16:05	78.6	48	0
20180720T161000	2018	07	20	16:10	78.4	49	0
20180720T161500	2018	07	20	16:15	78.5	49.7	0
20180720T162000	2018	07	20	16:20	78.7	49.9	0
20180720T162500	2018	07	20	16:25	78.3	49.8	0
20180720T163000	2018	07	20	16:30	78.7	50.1	0
20180720T163500	2018	07	20	16:35	78.3	49.6	0
20180720T164000	2018	07	20	16:40	78.3	50.6	0
20180720T164500	2018	07	20	16:45	78.3	50.9	0
20180720T165000	2018	07	20	16:50	78.4	51.7	0
20180720T165500	2018	07	20	16:55	78.4	51	0
20180720T170000	2018	07	20	17:00	78.7	51	0
20180720T170500	2018	07	20	17:05	78.1	51.2	0
20180720T171000	2018	07	20	17:10	78.4	52.1	0
20180720T171500	2018	07	20	17:15	78.6	52.1	0
20180720T172000	2018	07	20	17:20	78.2	50.5	0
20180720T172500	2018	07	20	17:25	78	50.6	0
20180720T173000	2018	07	20	17:30	77.8	50.6	0
20180720T173500	2018	07	20	17:35	77.6	50.7	0
20180720T174000	2018	07	20	17:40	77.6	50.1	0
20180720T174500	2018	07	20	17:45	77.7	51.3	0
20180720T175000	2018	07	20	17:50	77.6	50.4	0
20180720T175500	2018	07	20	17:55	77.6	51.2	0
20180720T180000	2018	07	20	18:00	77.8	51.3	0
20180720T180500	2018	07	20	18:05	77.5	50.6	0
20180720T181000	2018	07	20	18:10	77.3	50.9	0
20180720T181500	2018	07	20	18:15	77	50.9	0
20180720T182000	2018	07	20	18:20	76.6	50.3	0
20180720T182500	2018	07	20	18:25	76.1	51.2	0
20180720T183000	2018	07	20	18:30	75.5	51.4	0
20180720T183500	2018	07	20	18:35	75.2	50.6	0
20180720T184000	2018	07	20	18:40	75.2	50.8	0
20180720T184500	2018	07	20	18:45	75.4	51.4	0
20180720T185000	2018	07	20	18:50	75.6	52.2	0
20180720T185500	2018	07	20	18:55	75.5	52.1	0
20180720T190000	2018	07	20	19:00	75.3	52.2	0
20180720T190500	2018	07	20	19:05	75.3	51.2	0
20180720T191000	2018	07	20	19:10	74.5	51.4	0
20180720T191500	2018	07	20	19:15	73.8	53.4	0
20180720T192000	2018	07	20	19:20	73.8	53.2	0
20180720T192500	2018	07	20	19:25	74	53.3	0
20180720T193000	2018	07	20	19:30	74.2	52.8	0
20180720T193500	2018	07	20	19:35	74.1	53.5	0
20180720T194000	2018	07	20	19:40	73.9	54.2	0
20180720T194500	2018	07	20	19:45	73.7	54.6	0
20180720T195000	2018	07	20	19:50	73.5	55.2	0
20180720T195500	2018	07	20	19:55	73.2	55.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180720T200000	2018	07	20	20:00	72.8	56.7	0
20180720T200500	2018	07	20	20:05	72.4	57.2	0
20180720T201000	2018	07	20	20:10	72.2	56.7	0
20180720T201500	2018	07	20	20:15	72	57.1	0
20180720T202000	2018	07	20	20:20	71.6	57.6	0
20180720T202500	2018	07	20	20:25	71.6	57.8	0
20180720T203000	2018	07	20	20:30	71	58.7	0
20180720T203500	2018	07	20	20:35	70.7	59.3	0
20180720T204000	2018	07	20	20:40	70.8	59.3	0
20180720T204500	2018	07	20	20:45	70.7	59.4	0
20180720T205000	2018	07	20	20:50	70.7	59.8	0
20180720T205500	2018	07	20	20:55	70.6	60	0
20180720T210000	2018	07	20	21:00	70.4	60.5	0
20180720T210500	2018	07	20	21:05	69.7	62.2	0
20180720T211000	2018	07	20	21:10	69.8	63	0
20180720T211500	2018	07	20	21:15	69.9	63.6	0
20180720T212000	2018	07	20	21:20	69.8	63.7	0
20180720T212500	2018	07	20	21:25	69.9	63.2	0
20180720T213000	2018	07	20	21:30	69.7	64.1	0
20180720T213500	2018	07	20	21:35	69.5	65.2	0
20180720T214000	2018	07	20	21:40	69.4	65.3	0
20180720T214500	2018	07	20	21:45	69.4	64.7	0
20180720T215000	2018	07	20	21:50	69.2	65.2	0
20180720T215500	2018	07	20	21:55	69	65.8	0
20180720T220000	2018	07	20	22:00	68.7	66.4	0
20180720T220500	2018	07	20	22:05	68.7	67.4	0
20180720T221000	2018	07	20	22:10	68.7	67.4	0
20180720T221500	2018	07	20	22:15	68.5	68.4	0
20180720T222000	2018	07	20	22:20	68.4	69.3	0
20180720T222500	2018	07	20	22:25	68.3	69.8	0
20180720T223000	2018	07	20	22:30	68.3	70	0
20180720T223500	2018	07	20	22:35	68.2	70.2	0
20180720T224000	2018	07	20	22:40	68.1	71.1	0
20180720T224500	2018	07	20	22:45	68	71.5	0
20180720T225000	2018	07	20	22:50	68	71.7	0
20180720T225500	2018	07	20	22:55	68.1	71.3	0
20180720T230000	2018	07	20	23:00	67.8	72	0
20180720T230500	2018	07	20	23:05	67.6	72.8	0
20180720T231000	2018	07	20	23:10	67.4	73.3	0
20180720T231500	2018	07	20	23:15	67.4	73.7	0
20180720T232000	2018	07	20	23:20	67.3	73.9	0
20180720T232500	2018	07	20	23:25	67.1	74.1	0
20180720T233000	2018	07	20	23:30	67	74.4	0
20180720T233500	2018	07	20	23:35	67	74.1	0
20180720T234000	2018	07	20	23:40	66.8	74.9	0
20180720T234500	2018	07	20	23:45	66.6	76	0
20180720T235000	2018	07	20	23:50	66.6	76	0
20180720T235500	2018	07	20	23:55	66.5	76.3	0
20180721T000000	2018	07	21	00:00	66.4	76.8	0
20180721T000500	2018	07	21	00:05	66.5	76.4	0
20180721T001000	2018	07	21	00:10	66.2	77.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180721T001500	2018	07	21	00:15	66.3	77	0
20180721T002000	2018	07	21	00:20	66.4	76.6	0
20180721T002500	2018	07	21	00:25	66.3	76.9	0
20180721T003000	2018	07	21	00:30	66.3	77.1	0
20180721T003500	2018	07	21	00:35	66.1	77.3	0
20180721T004000	2018	07	21	00:40	65.8	77.9	0
20180721T004500	2018	07	21	00:45	65.6	78.4	0
20180721T005000	2018	07	21	00:50	65.5	79	0
20180721T005500	2018	07	21	00:55	65.5	78.5	0
20180721T010000	2018	07	21	01:00	65.2	79	0
20180721T010500	2018	07	21	01:05	65	80.3	0
20180721T011000	2018	07	21	01:10	64.9	81	0
20180721T011500	2018	07	21	01:15	64.8	81.4	0
20180721T012000	2018	07	21	01:20	64.6	82.1	0
20180721T012500	2018	07	21	01:25	64.3	83.1	0
20180721T013000	2018	07	21	01:30	64.2	84.1	0
20180721T013500	2018	07	21	01:35	64.1	84.9	0
20180721T014000	2018	07	21	01:40	63.9	85.5	0
20180721T014500	2018	07	21	01:45	63.8	85.9	0
20180721T015000	2018	07	21	01:50	63.7	86.7	0
20180721T015500	2018	07	21	01:55	63.5	87.2	0
20180721T020000	2018	07	21	02:00	63.5	87.7	0
20180721T020500	2018	07	21	02:05	63.4	88.7	0
20180721T021000	2018	07	21	02:10	63.1	90	0
20180721T021500	2018	07	21	02:15	63	90.6	0
20180721T022000	2018	07	21	02:20	63	90.8	0
20180721T022500	2018	07	21	02:25	62.8	91.4	0
20180721T023000	2018	07	21	02:30	62.7	92.7	0
20180721T023500	2018	07	21	02:35	62.7	92.5	0
20180721T024000	2018	07	21	02:40	62.4	93.4	0
20180721T024500	2018	07	21	02:45	62.2	94.6	0
20180721T025000	2018	07	21	02:50	61.9	95.6	0
20180721T025500	2018	07	21	02:55	62.1	95.2	0
20180721T030000	2018	07	21	03:00	62.1	95.8	0
20180721T030500	2018	07	21	03:05	61.9	96	0
20180721T031000	2018	07	21	03:10	61.8	96.9	0
20180721T031500	2018	07	21	03:15	61.6	97.7	0
20180721T032000	2018	07	21	03:20	61.8	97.7	0
20180721T032500	2018	07	21	03:25	61.8	98.1	0
20180721T033000	2018	07	21	03:30	61.7	98.9	0
20180721T033500	2018	07	21	03:35	61.7	99.1	0
20180721T034000	2018	07	21	03:40	61.6	99.7	0
20180721T034500	2018	07	21	03:45	61.4	100	0
20180721T035000	2018	07	21	03:50	61.4	100	0
20180721T035500	2018	07	21	03:55	61.4	100	0
20180721T040000	2018	07	21	04:00	61.3	100	0
20180721T040500	2018	07	21	04:05	61.3	100	0
20180721T041000	2018	07	21	04:10	61.1	100	0
20180721T041500	2018	07	21	04:15	61.1	100	0
20180721T042000	2018	07	21	04:20	61.1	100	0
20180721T042500	2018	07	21	04:25	61	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180721T043000	2018	07	21	04:30	60.9	100	0
20180721T043500	2018	07	21	04:35	60.9	100	0
20180721T044000	2018	07	21	04:40	60.9	100	0
20180721T044500	2018	07	21	04:45	60.9	100	0
20180721T045000	2018	07	21	04:50	60.9	100	0
20180721T045500	2018	07	21	04:55	60.7	100	0
20180721T050000	2018	07	21	05:00	60.7	100	0
20180721T050500	2018	07	21	05:05	60.8	100	0
20180721T051000	2018	07	21	05:10	60.8	100	0
20180721T051500	2018	07	21	05:15	61	100	0
20180721T052000	2018	07	21	05:20	61	100	0
20180721T052500	2018	07	21	05:25	60.7	100	0
20180721T053000	2018	07	21	05:30	60.6	100	0
20180721T053500	2018	07	21	05:35	60.6	100	0
20180721T054000	2018	07	21	05:40	60.5	100	0
20180721T054500	2018	07	21	05:45	60.6	100	0
20180721T055000	2018	07	21	05:50	60.5	100	0
20180721T055500	2018	07	21	05:55	60.4	100	0
20180721T060000	2018	07	21	06:00	60.3	100	0
20180721T060500	2018	07	21	06:05	60.1	100	0
20180721T061000	2018	07	21	06:10	60.1	100	0
20180721T061500	2018	07	21	06:15	60.1	100	0
20180721T062000	2018	07	21	06:20	59.7	100	0
20180721T062500	2018	07	21	06:25	59.7	100	0
20180721T063000	2018	07	21	06:30	59.4	100	0
20180721T063500	2018	07	21	06:35	59.6	100	0
20180721T064000	2018	07	21	06:40	59.4	100	0
20180721T064500	2018	07	21	06:45	59.5	100	0
20180721T065000	2018	07	21	06:50	59.6	100	0
20180721T065500	2018	07	21	06:55	59.5	100	0
20180721T070000	2018	07	21	07:00	59.6	100	0
20180721T070500	2018	07	21	07:05	59.8	100	0
20180721T071000	2018	07	21	07:10	60.2	100	0
20180721T071500	2018	07	21	07:15	60.5	100	0
20180721T072000	2018	07	21	07:20	60.6	100	0
20180721T072500	2018	07	21	07:25	60.7	100	0
20180721T073000	2018	07	21	07:30	60.8	100	0
20180721T073500	2018	07	21	07:35	60.7	100	0
20180721T074000	2018	07	21	07:40	61	100	0
20180721T074500	2018	07	21	07:45	60.9	100	0
20180721T075000	2018	07	21	07:50	60.9	100	0
20180721T075500	2018	07	21	07:55	61.6	100	0
20180721T080000	2018	07	21	08:00	62.8	99.4	0
20180721T080500	2018	07	21	08:05	62.5	99.1	0
20180721T081000	2018	07	21	08:10	62.5	99.5	0
20180721T081500	2018	07	21	08:15	62.4	100	0
20180721T082000	2018	07	21	08:20	62.3	100	0
20180721T082500	2018	07	21	08:25	62.5	100	0
20180721T083000	2018	07	21	08:30	62.3	100	0
20180721T083500	2018	07	21	08:35	62.1	100	0
20180721T084000	2018	07	21	08:40	61.8	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180721T084500	2018	07	21	08:45	61.6	100	0
20180721T085000	2018	07	21	08:50	61.7	100	0
20180721T085500	2018	07	21	08:55	61.7	100	0
20180721T090000	2018	07	21	09:00	63.1	99.2	0
20180721T090500	2018	07	21	09:05	63.3	97.5	0
20180721T091000	2018	07	21	09:10	63.3	99.1	0
20180721T091500	2018	07	21	09:15	63.1	98.5	0
20180721T092000	2018	07	21	09:20	63.1	98.1	0
20180721T092500	2018	07	21	09:25	63.1	98.8	0
20180721T093000	2018	07	21	09:30	63	99.2	0
20180721T093500	2018	07	21	09:35	63.3	99.6	0
20180721T094000	2018	07	21	09:40	63	99.5	0
20180721T094500	2018	07	21	09:45	63.4	99.1	0
20180721T095000	2018	07	21	09:50	64	94.9	0
20180721T095500	2018	07	21	09:55	64.7	91.8	0
20180721T100000	2018	07	21	10:00	65.2	88.8	0
20180721T100500	2018	07	21	10:05	65.2	91.2	0
20180721T101000	2018	07	21	10:10	66.5	88.7	0
20180721T101500	2018	07	21	10:15	66.5	85.4	0
20180721T102000	2018	07	21	10:20	66.4	84.7	0
20180721T102500	2018	07	21	10:25	66.7	84.3	0
20180721T103000	2018	07	21	10:30	67.1	84.1	0
20180721T103500	2018	07	21	10:35	67.6	80.8	0
20180721T104000	2018	07	21	10:40	67.7	81.1	0
20180721T104500	2018	07	21	10:45	67.8	79.9	0
20180721T105000	2018	07	21	10:50	68.4	78.9	0
20180721T105500	2018	07	21	10:55	69	78.4	0
20180721T110000	2018	07	21	11:00	68.3	75.7	0
20180721T110500	2018	07	21	11:05	67.6	77.2	0
20180721T111000	2018	07	21	11:10	68.3	78.8	0
20180721T111500	2018	07	21	11:15	68.2	78.2	0
20180721T112000	2018	07	21	11:20	67.9	77.9	0
20180721T112500	2018	07	21	11:25	68.2	77.3	0
20180721T113000	2018	07	21	11:30	68.6	77.3	0
20180721T113500	2018	07	21	11:35	68.6	76.9	0
20180721T114000	2018	07	21	11:40	68.4	75.4	0
20180721T114500	2018	07	21	11:45	68.2	74.6	0
20180721T115000	2018	07	21	11:50	69.3	73.5	0
20180721T115500	2018	07	21	11:55	69.5	73.3	0
20180721T120000	2018	07	21	12:00	69.3	72.7	0
20180721T120500	2018	07	21	12:05	69	71.9	0
20180721T121000	2018	07	21	12:10	68.6	75.3	0
20180721T121500	2018	07	21	12:15	67.7	73.5	0
20180721T122000	2018	07	21	12:20	68.6	75.8	0
20180721T122500	2018	07	21	12:25	68.9	69.6	0
20180721T123000	2018	07	21	12:30	69.1	71.2	0
20180721T123500	2018	07	21	12:35	70	71.2	0
20180721T124000	2018	07	21	12:40	69.7	67.4	0
20180721T124500	2018	07	21	12:45	68.7	67.5	0
20180721T125000	2018	07	21	12:50	68.3	68.7	0
20180721T125500	2018	07	21	12:55	68.6	66.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180721T130000	2018	07	21	13:00	69.1	65.4	0
20180721T130500	2018	07	21	13:05	68.6	63.3	0
20180721T131000	2018	07	21	13:10	68.4	62.3	0
20180721T131500	2018	07	21	13:15	68.6	64.8	0
20180721T132000	2018	07	21	13:20	68.7	62.2	0
20180721T132500	2018	07	21	13:25	68.4	62.4	0
20180721T133000	2018	07	21	13:30	68.4	63.6	0
20180721T133500	2018	07	21	13:35	68.2	62.8	0
20180721T134000	2018	07	21	13:40	67.7	64.7	0
20180721T134500	2018	07	21	13:45	67.6	66.2	0
20180721T135000	2018	07	21	13:50	67.7	65	0
20180721T135500	2018	07	21	13:55	67.8	66.2	0
20180721T140000	2018	07	21	14:00	67.9	63.7	0
20180721T140500	2018	07	21	14:05	67.6	62.2	0
20180721T141000	2018	07	21	14:10	67.4	63.1	0
20180721T141500	2018	07	21	14:15	67.1	62.8	0
20180721T142000	2018	07	21	14:20	67.1	63	0
20180721T142500	2018	07	21	14:25	67.2	65.5	0
20180721T143000	2018	07	21	14:30	67.6	66.2	0
20180721T143500	2018	07	21	14:35	67.9	64.5	0
20180721T144000	2018	07	21	14:40	68	61.2	0
20180721T144500	2018	07	21	14:45	67.7	61.3	0
20180721T145000	2018	07	21	14:50	67.4	64.1	0
20180721T145500	2018	07	21	14:55	67.3	65	0
20180721T150000	2018	07	21	15:00	67.3	66.9	0
20180721T150500	2018	07	21	15:05	67.6	66.4	0
20180721T151000	2018	07	21	15:10	67.7	65.5	0
20180721T151500	2018	07	21	15:15	67.7	63.8	0
20180721T152000	2018	07	21	15:20	67.5	63.4	0
20180721T152500	2018	07	21	15:25	67.8	65.8	0
20180721T153000	2018	07	21	15:30	68.3	67.2	0
20180721T153500	2018	07	21	15:35	68.3	66	0
20180721T154000	2018	07	21	15:40	68.6	67.7	0
20180721T154500	2018	07	21	15:45	68.3	67.4	0
20180721T155000	2018	07	21	15:50	68.1	69.2	0
20180721T155500	2018	07	21	15:55	66.9	74.8	0
20180721T160000	2018	07	21	16:00	65.7	86.3	0
20180721T160500	2018	07	21	16:05	64.9	96.4	0
20180721T161000	2018	07	21	16:10	64.5	99.8	0.01
20180721T161500	2018	07	21	16:15	64.3	100	0
20180721T162000	2018	07	21	16:20	64.2	100	0
20180721T162500	2018	07	21	16:25	64	100	0
20180721T163000	2018	07	21	16:30	63.9	100	0
20180721T163500	2018	07	21	16:35	63.6	100	0
20180721T164000	2018	07	21	16:40	63.5	100	0
20180721T164500	2018	07	21	16:45	63.3	99.9	0
20180721T165000	2018	07	21	16:50	63.3	99.2	0
20180721T165500	2018	07	21	16:55	63.3	92.8	0
20180721T170000	2018	07	21	17:00	63.2	94	0
20180721T170500	2018	07	21	17:05	63	94.6	0
20180721T171000	2018	07	21	17:10	63	94.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180721T171500	2018	07	21	17:15	63	96.3	0
20180721T172000	2018	07	21	17:20	62.8	94	0
20180721T172500	2018	07	21	17:25	62.8	98.8	0
20180721T173000	2018	07	21	17:30	62.8	97.3	0
20180721T173500	2018	07	21	17:35	62.8	98.7	0
20180721T174000	2018	07	21	17:40	62.7	98.5	0
20180721T174500	2018	07	21	17:45	62.8	100	0
20180721T175000	2018	07	21	17:50	62.6	100	0
20180721T175500	2018	07	21	17:55	62.6	100	0
20180721T180000	2018	07	21	18:00	62.6	100	0
20180721T180500	2018	07	21	18:05	62.3	100	0
20180721T181000	2018	07	21	18:10	62.2	100	0
20180721T181500	2018	07	21	18:15	62.1	100	0
20180721T182000	2018	07	21	18:20	62	100	0
20180721T182500	2018	07	21	18:25	61.9	100	0
20180721T183000	2018	07	21	18:30	61.8	100	0
20180721T183500	2018	07	21	18:35	61.8	100	0
20180721T184000	2018	07	21	18:40	61.9	100	0
20180721T184500	2018	07	21	18:45	61.9	100	0
20180721T185000	2018	07	21	18:50	61.7	100	0
20180721T185500	2018	07	21	18:55	61.5	100	0
20180721T190000	2018	07	21	19:00	61.4	100	0
20180721T190500	2018	07	21	19:05	61.2	100	0
20180721T191000	2018	07	21	19:10	61	100	0
20180721T191500	2018	07	21	19:15	60.8	100	0
20180721T192000	2018	07	21	19:20	60.7	100	0
20180721T192500	2018	07	21	19:25	60.6	100	0
20180721T193000	2018	07	21	19:30	60.5	100	0
20180721T193500	2018	07	21	19:35	60.5	100	0
20180721T194000	2018	07	21	19:40	60.4	100	0
20180721T194500	2018	07	21	19:45	60.2	100	0
20180721T195000	2018	07	21	19:50	60.1	100	0
20180721T195500	2018	07	21	19:55	60.5	100	0
20180721T200000	2018	07	21	20:00	61	100	0
20180721T200500	2018	07	21	20:05	60.9	100	0
20180721T201000	2018	07	21	20:10	60.7	100	0
20180721T201500	2018	07	21	20:15	60.5	100	0
20180721T202000	2018	07	21	20:20	60.3	100	0.01
20180721T202500	2018	07	21	20:25	60.2	100	0
20180721T203000	2018	07	21	20:30	59.9	100	0
20180721T203500	2018	07	21	20:35	59.4	100	0
20180721T204000	2018	07	21	20:40	59.4	100	0
20180721T204500	2018	07	21	20:45	59.4	100	0
20180721T205000	2018	07	21	20:50	59.5	100	0
20180721T205500	2018	07	21	20:55	59.5	100	0
20180721T210000	2018	07	21	21:00	59.4	100	0
20180721T210500	2018	07	21	21:05	59.3	100	0
20180721T211000	2018	07	21	21:10	59.4	100	0
20180721T211500	2018	07	21	21:15	59.5	100	0
20180721T212000	2018	07	21	21:20	59.5	100	0
20180721T212500	2018	07	21	21:25	59.4	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180721T213000	2018	07	21	21:30	59.2	100	0
20180721T213500	2018	07	21	21:35	59.2	100	0
20180721T214000	2018	07	21	21:40	59.2	100	0
20180721T214500	2018	07	21	21:45	59.3	100	0
20180721T215000	2018	07	21	21:50	59.4	100	0
20180721T215500	2018	07	21	21:55	59.2	99.9	0
20180721T220000	2018	07	21	22:00	59.1	100	0
20180721T220500	2018	07	21	22:05	59.4	99.8	0
20180721T221000	2018	07	21	22:10	59.1	100	0
20180721T221500	2018	07	21	22:15	59.4	100	0
20180721T222000	2018	07	21	22:20	59.5	98.9	0
20180721T222500	2018	07	21	22:25	59.5	99	0
20180721T223000	2018	07	21	22:30	59.4	99.9	0
20180721T223500	2018	07	21	22:35	59.2	100	0
20180721T224000	2018	07	21	22:40	59.1	100	0
20180721T224500	2018	07	21	22:45	59	100	0
20180721T225000	2018	07	21	22:50	58.9	100	0
20180721T225500	2018	07	21	22:55	59	100	0
20180721T230000	2018	07	21	23:00	59.1	100	0
20180721T230500	2018	07	21	23:05	59	100	0
20180721T231000	2018	07	21	23:10	58.9	100	0
20180721T231500	2018	07	21	23:15	58.8	100	0
20180721T232000	2018	07	21	23:20	58.6	100	0
20180721T232500	2018	07	21	23:25	58.6	100	0
20180721T233000	2018	07	21	23:30	59	100	0
20180721T233500	2018	07	21	23:35	59.1	100	0
20180721T234000	2018	07	21	23:40	58.9	100	0
20180721T234500	2018	07	21	23:45	59.2	99.7	0
20180721T235000	2018	07	21	23:50	59.2	99.8	0
20180721T235500	2018	07	21	23:55	59	99.8	0
20180722T000000	2018	07	22	00:00	58.9	100	0
20180722T000500	2018	07	22	00:05	59	100	0
20180722T001000	2018	07	22	00:10	59.5	99.6	0
20180722T001500	2018	07	22	00:15	59.4	99.5	0
20180722T002000	2018	07	22	00:20	59.2	100	0
20180722T002500	2018	07	22	00:25	59	100	0
20180722T003000	2018	07	22	00:30	58.8	100	0
20180722T003500	2018	07	22	00:35	58.6	100	0
20180722T004000	2018	07	22	00:40	58.8	100	0
20180722T004500	2018	07	22	00:45	58.7	100	0
20180722T005000	2018	07	22	00:50	58.5	100	0
20180722T005500	2018	07	22	00:55	58.5	100	0
20180722T010000	2018	07	22	01:00	58.5	100	0.01
20180722T010500	2018	07	22	01:05	58.2	100	0
20180722T011000	2018	07	22	01:10	58	100	0
20180722T011500	2018	07	22	01:15	57.8	100	0.01
20180722T012000	2018	07	22	01:20	57.7	100	0.01
20180722T012500	2018	07	22	01:25	57.6	100	0.01
20180722T013000	2018	07	22	01:30	57.4	100	0.02
20180722T013500	2018	07	22	01:35	57.2	100	0.03
20180722T014000	2018	07	22	01:40	57.1	100	0.02

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180722T014500	2018	07	22	01:45	57	100	0.02
20180722T015000	2018	07	22	01:50	57	100	0.01
20180722T015500	2018	07	22	01:55	57	100	0
20180722T020000	2018	07	22	02:00	57	100	0
20180722T020500	2018	07	22	02:05	57	100	0
20180722T021000	2018	07	22	02:10	57	100	0.01
20180722T021500	2018	07	22	02:15	57	100	0
20180722T022000	2018	07	22	02:20	57.1	100	0
20180722T022500	2018	07	22	02:25	57.1	100	0
20180722T023000	2018	07	22	02:30	57.2	100	0
20180722T023500	2018	07	22	02:35	57.3	100	0
20180722T024000	2018	07	22	02:40	57.3	100	0
20180722T024500	2018	07	22	02:45	57.4	100	0.01
20180722T025000	2018	07	22	02:50	57.4	100	0
20180722T025500	2018	07	22	02:55	57.4	100	0
20180722T030000	2018	07	22	03:00	57.4	100	0
20180722T030500	2018	07	22	03:05	57.4	100	0
20180722T031000	2018	07	22	03:10	57.4	100	0
20180722T031500	2018	07	22	03:15	57.4	100	0
20180722T032000	2018	07	22	03:20	57.4	100	0
20180722T032500	2018	07	22	03:25	57.4	100	0
20180722T033000	2018	07	22	03:30	57.4	100	0
20180722T033500	2018	07	22	03:35	57.4	100	0
20180722T034000	2018	07	22	03:40	57.4	100	0
20180722T034500	2018	07	22	03:45	57.4	100	0
20180722T035000	2018	07	22	03:50	57.3	100	0
20180722T035500	2018	07	22	03:55	57.3	100	0.01
20180722T040000	2018	07	22	04:00	57.4	100	0.02
20180722T040500	2018	07	22	04:05	57.4	100	0.01
20180722T041000	2018	07	22	04:10	57.4	100	0
20180722T041500	2018	07	22	04:15	57.5	100	0.01
20180722T042000	2018	07	22	04:20	57.6	100	0.02
20180722T042500	2018	07	22	04:25	57.6	100	0.08
20180722T043000	2018	07	22	04:30	57.5	100	0.05
20180722T043500	2018	07	22	04:35	57.6	100	0.01
20180722T044000	2018	07	22	04:40	57.7	100	0.01
20180722T044500	2018	07	22	04:45	57.9	100	0
20180722T045000	2018	07	22	04:50	58	100	0
20180722T045500	2018	07	22	04:55	58.1	100	0.01
20180722T050000	2018	07	22	05:00	58.2	100	0.01
20180722T050500	2018	07	22	05:05	58.3	100	0
20180722T051000	2018	07	22	05:10	58.4	100	0.01
20180722T051500	2018	07	22	05:15	58.5	100	0.01
20180722T052000	2018	07	22	05:20	58.7	100	0.01
20180722T052500	2018	07	22	05:25	58.8	100	0.01
20180722T053000	2018	07	22	05:30	59	100	0.01
20180722T053500	2018	07	22	05:35	59.1	100	0
20180722T054000	2018	07	22	05:40	59.2	100	0
20180722T054500	2018	07	22	05:45	59.3	100	0
20180722T055000	2018	07	22	05:50	59.4	100	0
20180722T055500	2018	07	22	05:55	59.5	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180722T060000	2018	07	22	06:00	59.7	100	0
20180722T060500	2018	07	22	06:05	60	100	0
20180722T061000	2018	07	22	06:10	60	100	0
20180722T061500	2018	07	22	06:15	60.1	100	0
20180722T062000	2018	07	22	06:20	60.3	100	0
20180722T062500	2018	07	22	06:25	60.4	100	0
20180722T063000	2018	07	22	06:30	60.5	100	0
20180722T063500	2018	07	22	06:35	60.6	100	0
20180722T064000	2018	07	22	06:40	60.8	100	0
20180722T064500	2018	07	22	06:45	60.9	100	0
20180722T065000	2018	07	22	06:50	61	100	0
20180722T065500	2018	07	22	06:55	61.2	100	0
20180722T070000	2018	07	22	07:00	61.4	100	0
20180722T070500	2018	07	22	07:05	61.6	100	0
20180722T071000	2018	07	22	07:10	61.6	100	0
20180722T071500	2018	07	22	07:15	61.7	100	0
20180722T072000	2018	07	22	07:20	61.8	100	0
20180722T072500	2018	07	22	07:25	62	100	0
20180722T073000	2018	07	22	07:30	62.1	100	0
20180722T073500	2018	07	22	07:35	62.3	100	0
20180722T074000	2018	07	22	07:40	62.5	100	0
20180722T074500	2018	07	22	07:45	62.6	100	0
20180722T075000	2018	07	22	07:50	62.8	100	0
20180722T075500	2018	07	22	07:55	62.9	100	0
20180722T080000	2018	07	22	08:00	63	100	0
20180722T080500	2018	07	22	08:05	63.3	100	0
20180722T081000	2018	07	22	08:10	63.4	100	0
20180722T081500	2018	07	22	08:15	63.5	100	0
20180722T082000	2018	07	22	08:20	63.7	100	0
20180722T082500	2018	07	22	08:25	63.8	100	0
20180722T083000	2018	07	22	08:30	64.2	100	0
20180722T083500	2018	07	22	08:35	64.5	100	0
20180722T084000	2018	07	22	08:40	64.6	100	0
20180722T084500	2018	07	22	08:45	64.8	100	0
20180722T085000	2018	07	22	08:50	65.2	100	0
20180722T085500	2018	07	22	08:55	65.5	100	0
20180722T090000	2018	07	22	09:00	65.7	100	0
20180722T090500	2018	07	22	09:05	65.7	100	0
20180722T091000	2018	07	22	09:10	66	100	0
20180722T091500	2018	07	22	09:15	66.1	100	0
20180722T092000	2018	07	22	09:20	66	100	0
20180722T092500	2018	07	22	09:25	66.1	100	0
20180722T093000	2018	07	22	09:30	66.2	100	0
20180722T093500	2018	07	22	09:35	66.2	100	0
20180722T094000	2018	07	22	09:40	66.1	100	0
20180722T094500	2018	07	22	09:45	66.4	100	0
20180722T095000	2018	07	22	09:50	66.6	100	0
20180722T095500	2018	07	22	09:55	66.5	100	0
20180722T100000	2018	07	22	10:00	66.2	100	0
20180722T100500	2018	07	22	10:05	66.9	100	0
20180722T101000	2018	07	22	10:10	67.5	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180722T101500	2018	07	22	10:15	67.1	100	0
20180722T102000	2018	07	22	10:20	67	100	0
20180722T102500	2018	07	22	10:25	66.7	100	0
20180722T103000	2018	07	22	10:30	66.8	100	0
20180722T103500	2018	07	22	10:35	66.9	100	0
20180722T104000	2018	07	22	10:40	66.3	100	0
20180722T104500	2018	07	22	10:45	66.3	100	0
20180722T105000	2018	07	22	10:50	66.3	100	0
20180722T105500	2018	07	22	10:55	66.4	100	0
20180722T110000	2018	07	22	11:00	66.4	100	0
20180722T110500	2018	07	22	11:05	66.8	100	0
20180722T111000	2018	07	22	11:10	67.2	100	0
20180722T111500	2018	07	22	11:15	67.2	100	0
20180722T112000	2018	07	22	11:20	67.1	100	0
20180722T112500	2018	07	22	11:25	67.1	100	0
20180722T113000	2018	07	22	11:30	67.3	100	0
20180722T113500	2018	07	22	11:35	67	100	0
20180722T114000	2018	07	22	11:40	67	100	0
20180722T114500	2018	07	22	11:45	67.1	100	0
20180722T115000	2018	07	22	11:50	67.4	100	0
20180722T115500	2018	07	22	11:55	68.2	100	0
20180722T120000	2018	07	22	12:00	69	99.3	0
20180722T120500	2018	07	22	12:05	69.8	98.1	0
20180722T121000	2018	07	22	12:10	70.5	97.1	0
20180722T121500	2018	07	22	12:15	69.9	94.6	0
20180722T122000	2018	07	22	12:20	70.3	97.4	0
20180722T122500	2018	07	22	12:25	69.8	94.6	0
20180722T123000	2018	07	22	12:30	70.6	97.3	0
20180722T123500	2018	07	22	12:35	69.8	96.7	0
20180722T124000	2018	07	22	12:40	69.9	98.3	0
20180722T124500	2018	07	22	12:45	70.7	94	0
20180722T125000	2018	07	22	12:50	70.5	90.7	0
20180722T125500	2018	07	22	12:55	70.4	93.2	0
20180722T130000	2018	07	22	13:00	70.7	91.9	0
20180722T130500	2018	07	22	13:05	70.5	93	0
20180722T131000	2018	07	22	13:10	70.4	94	0
20180722T131500	2018	07	22	13:15	70.7	94.9	0
20180722T132000	2018	07	22	13:20	71.3	94.5	0
20180722T132500	2018	07	22	13:25	71.7	90.7	0
20180722T133000	2018	07	22	13:30	71.1	90.5	0
20180722T133500	2018	07	22	13:35	71.1	90.7	0
20180722T134000	2018	07	22	13:40	71.6	90.4	0
20180722T134500	2018	07	22	13:45	71.2	89.2	0
20180722T135000	2018	07	22	13:50	71.6	93	0
20180722T135500	2018	07	22	13:55	71.9	89.5	0
20180722T140000	2018	07	22	14:00	72	91.4	0
20180722T140500	2018	07	22	14:05	71.7	88.4	0
20180722T141000	2018	07	22	14:10	71	91.1	0
20180722T141500	2018	07	22	14:15	70.9	95.6	0
20180722T142000	2018	07	22	14:20	71.7	93.7	0
20180722T142500	2018	07	22	14:25	71.8	91.6	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180722T143000	2018	07	22	14:30	72.4	91.9	0
20180722T143500	2018	07	22	14:35	73	87.9	0
20180722T144000	2018	07	22	14:40	73.1	86.2	0
20180722T144500	2018	07	22	14:45	73.2	87.8	0
20180722T145000	2018	07	22	14:50	72.8	88.1	0
20180722T145500	2018	07	22	14:55	72.9	90.6	0
20180722T150000	2018	07	22	15:00	72.1	91	0
20180722T150500	2018	07	22	15:05	72.2	91.7	0
20180722T151000	2018	07	22	15:10	72.4	89.8	0
20180722T151500	2018	07	22	15:15	73.9	86	0
20180722T152000	2018	07	22	15:20	74	84.2	0
20180722T152500	2018	07	22	15:25	74.6	82.9	0
20180722T153000	2018	07	22	15:30	74.8	78.9	0
20180722T153500	2018	07	22	15:35	74.8	78.8	0
20180722T154000	2018	07	22	15:40	75.4	78.3	0
20180722T154500	2018	07	22	15:45	75.4	79.6	0
20180722T155000	2018	07	22	15:50	75.1	78.3	0
20180722T155500	2018	07	22	15:55	73.9	81.8	0
20180722T160000	2018	07	22	16:00	73.5	82.7	0
20180722T160500	2018	07	22	16:05	74	82.4	0
20180722T161000	2018	07	22	16:10	74.3	81.9	0
20180722T161500	2018	07	22	16:15	74.9	79.7	0
20180722T162000	2018	07	22	16:20	75.3	80	0
20180722T162500	2018	07	22	16:25	76.2	78.9	0
20180722T163000	2018	07	22	16:30	76.4	77.3	0
20180722T163500	2018	07	22	16:35	75.5	78.1	0
20180722T164000	2018	07	22	16:40	74	82.5	0
20180722T164500	2018	07	22	16:45	73.8	83.3	0
20180722T165000	2018	07	22	16:50	73.3	83.8	0
20180722T165500	2018	07	22	16:55	74.2	85.1	0
20180722T170000	2018	07	22	17:00	75.6	80.1	0
20180722T170500	2018	07	22	17:05	76.1	78.4	0
20180722T171000	2018	07	22	17:10	76.2	77.4	0
20180722T171500	2018	07	22	17:15	76.6	78.5	0
20180722T172000	2018	07	22	17:20	76.7	76.7	0
20180722T172500	2018	07	22	17:25	75.8	79.1	0
20180722T173000	2018	07	22	17:30	74.9	80.8	0
20180722T173500	2018	07	22	17:35	74.5	82.9	0
20180722T174000	2018	07	22	17:40	76	80.6	0
20180722T174500	2018	07	22	17:45	75.7	78.4	0
20180722T175000	2018	07	22	17:50	75.6	81.5	0
20180722T175500	2018	07	22	17:55	75.2	83.1	0
20180722T180000	2018	07	22	18:00	74.4	85.3	0
20180722T180500	2018	07	22	18:05	74.2	87.9	0
20180722T181000	2018	07	22	18:10	74.3	88.2	0
20180722T181500	2018	07	22	18:15	74.2	87.4	0
20180722T182000	2018	07	22	18:20	74.2	88.6	0
20180722T182500	2018	07	22	18:25	74.2	90.2	0
20180722T183000	2018	07	22	18:30	73.7	89.7	0
20180722T183500	2018	07	22	18:35	73.3	90.4	0
20180722T184000	2018	07	22	18:40	73.3	91.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180722T184500	2018	07	22	18:45	73.3	91.8	0
20180722T185000	2018	07	22	18:50	73.2	91.8	0
20180722T185500	2018	07	22	18:55	73.1	92.4	0
20180722T190000	2018	07	22	19:00	72.9	93.1	0
20180722T190500	2018	07	22	19:05	72.8	94.2	0
20180722T191000	2018	07	22	19:10	72.8	93.9	0
20180722T191500	2018	07	22	19:15	72.7	94.1	0
20180722T192000	2018	07	22	19:20	72.6	95.7	0
20180722T192500	2018	07	22	19:25	72.9	95.9	0
20180722T193000	2018	07	22	19:30	72.4	98.2	0
20180722T193500	2018	07	22	19:35	72	99.8	0
20180722T194000	2018	07	22	19:40	71.9	100	0
20180722T194500	2018	07	22	19:45	71.8	100	0
20180722T195000	2018	07	22	19:50	71.7	100	0
20180722T195500	2018	07	22	19:55	71.6	100	0
20180722T200000	2018	07	22	20:00	71.5	100	0
20180722T200500	2018	07	22	20:05	71.5	100	0
20180722T201000	2018	07	22	20:10	71.3	100	0
20180722T201500	2018	07	22	20:15	71.1	100	0
20180722T202000	2018	07	22	20:20	71.1	100	0
20180722T202500	2018	07	22	20:25	71	100	0
20180722T203000	2018	07	22	20:30	71	100	0
20180722T203500	2018	07	22	20:35	71	100	0
20180722T204000	2018	07	22	20:40	71	100	0
20180722T204500	2018	07	22	20:45	70.4	100	0
20180722T205000	2018	07	22	20:50	69.9	100	0
20180722T205500	2018	07	22	20:55	69.6	100	0
20180722T210000	2018	07	22	21:00	69.4	100	0
20180722T210500	2018	07	22	21:05	69	100	0.01
20180722T211000	2018	07	22	21:10	68.5	100	0.01
20180722T211500	2018	07	22	21:15	68.1	100	0
20180722T212000	2018	07	22	21:20	68.1	100	0
20180722T212500	2018	07	22	21:25	68.2	100	0
20180722T213000	2018	07	22	21:30	67.9	100	0
20180722T213500	2018	07	22	21:35	67.7	100	0
20180722T214000	2018	07	22	21:40	67.6	100	0
20180722T214500	2018	07	22	21:45	67.5	100	0
20180722T215000	2018	07	22	21:50	67.6	100	0
20180722T215500	2018	07	22	21:55	67.5	100	0
20180722T220000	2018	07	22	22:00	67.5	100	0
20180722T220500	2018	07	22	22:05	67.4	100	0
20180722T221000	2018	07	22	22:10	67.3	100	0
20180722T221500	2018	07	22	22:15	67.2	100	0
20180722T222000	2018	07	22	22:20	67.2	100	0
20180722T222500	2018	07	22	22:25	67.2	100	0
20180722T223000	2018	07	22	22:30	67.2	100	0
20180722T223500	2018	07	22	22:35	67.2	100	0
20180722T224000	2018	07	22	22:40	67.2	100	0
20180722T224500	2018	07	22	22:45	67.2	100	0
20180722T225000	2018	07	22	22:50	67.2	100	0
20180722T225500	2018	07	22	22:55	67.2	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180722T230000	2018	07	22	23:00	67.3	100	0
20180722T230500	2018	07	22	23:05	67.5	100	0
20180722T231000	2018	07	22	23:10	67.4	100	0
20180722T231500	2018	07	22	23:15	67.5	100	0
20180722T232000	2018	07	22	23:20	67.6	100	0
20180722T232500	2018	07	22	23:25	67.6	100	0
20180722T233000	2018	07	22	23:30	67.5	100	0
20180722T233500	2018	07	22	23:35	67.5	100	0
20180722T234000	2018	07	22	23:40	67.4	100	0
20180722T234500	2018	07	22	23:45	67.5	100	0
20180722T235000	2018	07	22	23:50	67.5	100	0
20180722T235500	2018	07	22	23:55	67.3	100	0
20180723T000000	2018	07	23	00:00	67.2	100	0
20180723T000500	2018	07	23	00:05	67.3	100	0
20180723T001000	2018	07	23	00:10	67.4	100	0
20180723T001500	2018	07	23	00:15	67.4	100	0
20180723T002000	2018	07	23	00:20	67.5	100	0
20180723T002500	2018	07	23	00:25	67.7	100	0
20180723T003000	2018	07	23	00:30	67.7	100	0
20180723T003500	2018	07	23	00:35	67.8	100	0
20180723T004000	2018	07	23	00:40	67.9	100	0
20180723T004500	2018	07	23	00:45	67.9	100	0.01
20180723T005000	2018	07	23	00:50	67.8	100	0
20180723T005500	2018	07	23	00:55	67.7	100	0
20180723T010000	2018	07	23	01:00	67.8	100	0
20180723T010500	2018	07	23	01:05	67.7	100	0
20180723T011000	2018	07	23	01:10	67.6	100	0
20180723T011500	2018	07	23	01:15	67.7	100	0
20180723T012000	2018	07	23	01:20	67.7	100	0
20180723T012500	2018	07	23	01:25	67.7	100	0
20180723T013000	2018	07	23	01:30	67.6	100	0
20180723T013500	2018	07	23	01:35	67.4	100	0
20180723T014000	2018	07	23	01:40	67.4	100	0
20180723T014500	2018	07	23	01:45	67.4	100	0
20180723T015000	2018	07	23	01:50	67.2	100	0
20180723T015500	2018	07	23	01:55	67	100	0
20180723T020000	2018	07	23	02:00	66.9	100	0
20180723T020500	2018	07	23	02:05	66.9	100	0
20180723T021000	2018	07	23	02:10	66.9	100	0
20180723T021500	2018	07	23	02:15	66.8	100	0
20180723T022000	2018	07	23	02:20	66.8	100	0
20180723T022500	2018	07	23	02:25	66.7	100	0
20180723T023000	2018	07	23	02:30	66.6	100	0
20180723T023500	2018	07	23	02:35	66.5	100	0
20180723T024000	2018	07	23	02:40	66.4	100	0
20180723T024500	2018	07	23	02:45	66.5	100	0
20180723T025000	2018	07	23	02:50	66.5	100	0
20180723T025500	2018	07	23	02:55	66.5	100	0
20180723T030000	2018	07	23	03:00	66.5	100	0
20180723T030500	2018	07	23	03:05	66.4	100	0
20180723T031000	2018	07	23	03:10	66.3	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180723T031500	2018	07	23	03:15	66.3	100	0
20180723T032000	2018	07	23	03:20	66.5	100	0
20180723T032500	2018	07	23	03:25	66.6	100	0
20180723T033000	2018	07	23	03:30	66.8	100	0
20180723T033500	2018	07	23	03:35	66.9	100	0
20180723T034000	2018	07	23	03:40	67	100	0
20180723T034500	2018	07	23	03:45	67	100	0
20180723T035000	2018	07	23	03:50	67.1	100	0
20180723T035500	2018	07	23	03:55	67.2	100	0
20180723T040000	2018	07	23	04:00	67.3	100	0
20180723T040500	2018	07	23	04:05	67.3	100	0
20180723T041000	2018	07	23	04:10	67.2	100	0.01
20180723T041500	2018	07	23	04:15	67.1	100	0
20180723T042000	2018	07	23	04:20	67.2	100	0
20180723T042500	2018	07	23	04:25	67.3	100	0
20180723T043000	2018	07	23	04:30	67.3	100	0
20180723T043500	2018	07	23	04:35	67.3	100	0
20180723T044000	2018	07	23	04:40	67.3	100	0
20180723T044500	2018	07	23	04:45	67.2	100	0
20180723T045000	2018	07	23	04:50	67.2	100	0
20180723T045500	2018	07	23	04:55	67.4	100	0
20180723T050000	2018	07	23	05:00	67.5	100	0
20180723T050500	2018	07	23	05:05	67.7	100	0
20180723T051000	2018	07	23	05:10	67.9	100	0
20180723T051500	2018	07	23	05:15	67.8	100	0
20180723T052000	2018	07	23	05:20	67.8	100	0
20180723T052500	2018	07	23	05:25	67.8	100	0
20180723T053000	2018	07	23	05:30	67.8	100	0
20180723T053500	2018	07	23	05:35	67.8	100	0
20180723T054000	2018	07	23	05:40	67.9	100	0
20180723T054500	2018	07	23	05:45	68	100	0
20180723T055000	2018	07	23	05:50	68	100	0
20180723T055500	2018	07	23	05:55	68	100	0
20180723T060000	2018	07	23	06:00	68	100	0
20180723T060500	2018	07	23	06:05	68	100	0
20180723T061000	2018	07	23	06:10	68	100	0
20180723T061500	2018	07	23	06:15	68	100	0
20180723T062000	2018	07	23	06:20	68.1	100	0
20180723T062500	2018	07	23	06:25	68.2	100	0
20180723T063000	2018	07	23	06:30	68.1	100	0.01
20180723T063500	2018	07	23	06:35	68.1	100	0.01
20180723T064000	2018	07	23	06:40	68	100	0
20180723T064500	2018	07	23	06:45	68.1	100	0
20180723T065000	2018	07	23	06:50	68.1	100	0.01
20180723T065500	2018	07	23	06:55	68.1	100	0
20180723T070000	2018	07	23	07:00	68.1	100	0
20180723T070500	2018	07	23	07:05	68.1	100	0
20180723T071000	2018	07	23	07:10	68.2	100	0
20180723T071500	2018	07	23	07:15	68.3	100	0
20180723T072000	2018	07	23	07:20	68.3	100	0
20180723T072500	2018	07	23	07:25	68.4	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180723T073000	2018	07	23	07:30	68.5	100	0
20180723T073500	2018	07	23	07:35	68.5	100	0
20180723T074000	2018	07	23	07:40	68.6	100	0
20180723T074500	2018	07	23	07:45	68.8	100	0
20180723T075000	2018	07	23	07:50	68.7	100	0
20180723T075500	2018	07	23	07:55	68.8	100	0
20180723T080000	2018	07	23	08:00	68.9	100	0
20180723T080500	2018	07	23	08:05	68.9	100	0
20180723T081000	2018	07	23	08:10	69	100	0
20180723T081500	2018	07	23	08:15	69.1	100	0
20180723T082000	2018	07	23	08:20	69.2	100	0
20180723T082500	2018	07	23	08:25	69.4	100	0
20180723T083000	2018	07	23	08:30	69.4	100	0
20180723T083500	2018	07	23	08:35	69.3	100	0
20180723T084000	2018	07	23	08:40	69.3	100	0
20180723T084500	2018	07	23	08:45	69.3	100	0
20180723T085000	2018	07	23	08:50	69.3	100	0
20180723T085500	2018	07	23	08:55	69.3	100	0
20180723T090000	2018	07	23	09:00	69.4	100	0
20180723T090500	2018	07	23	09:05	69.6	100	0
20180723T091000	2018	07	23	09:10	69.8	100	0
20180723T091500	2018	07	23	09:15	70	100	0
20180723T092000	2018	07	23	09:20	70.2	100	0
20180723T092500	2018	07	23	09:25	70.4	100	0
20180723T093000	2018	07	23	09:30	70.6	100	0
20180723T093500	2018	07	23	09:35	71.1	100	0
20180723T094000	2018	07	23	09:40	71.4	100	0
20180723T094500	2018	07	23	09:45	70.9	100	0
20180723T095000	2018	07	23	09:50	70.6	100	0
20180723T095500	2018	07	23	09:55	70.6	100	0
20180723T100000	2018	07	23	10:00	70.3	100	0
20180723T100500	2018	07	23	10:05	70.1	100	0
20180723T101000	2018	07	23	10:10	69.9	100	0
20180723T101500	2018	07	23	10:15	69.5	100	0
20180723T102000	2018	07	23	10:20	69.2	100	0
20180723T102500	2018	07	23	10:25	69.1	100	0
20180723T103000	2018	07	23	10:30	69.1	100	0
20180723T103500	2018	07	23	10:35	68.9	100	0.01
20180723T104000	2018	07	23	10:40	68.6	100	0.01
20180723T104500	2018	07	23	10:45	68.3	100	0
20180723T105000	2018	07	23	10:50	68.2	100	0.01
20180723T105500	2018	07	23	10:55	68.1	100	0.01
20180723T110000	2018	07	23	11:00	68.2	100	0.02
20180723T110500	2018	07	23	11:05	68.1	100	0.01
20180723T111000	2018	07	23	11:10	68	100	0.01
20180723T111500	2018	07	23	11:15	67.9	100	0.01
20180723T112000	2018	07	23	11:20	67.8	100	0.01
20180723T112500	2018	07	23	11:25	67.8	100	0
20180723T113000	2018	07	23	11:30	67.9	100	0.01
20180723T113500	2018	07	23	11:35	67.9	100	0
20180723T114000	2018	07	23	11:40	67.6	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180723T114500	2018	07	23	11:45	67.4	100	0.01
20180723T115000	2018	07	23	11:50	67.1	100	0.02
20180723T115500	2018	07	23	11:55	66.8	100	0.15
20180723T120000	2018	07	23	12:00	66.2	100	0.26
20180723T120500	2018	07	23	12:05	65.8	100	0.09
20180723T121000	2018	07	23	12:10	65.6	100	0
20180723T121500	2018	07	23	12:15	65.7	100	0
20180723T122000	2018	07	23	12:20	65.6	100	0.01
20180723T122500	2018	07	23	12:25	65.4	100	0.03
20180723T123000	2018	07	23	12:30	65.3	100	0.02
20180723T123500	2018	07	23	12:35	65.4	100	0
20180723T124000	2018	07	23	12:40	66	100	0
20180723T124500	2018	07	23	12:45	67.9	100	0
20180723T125000	2018	07	23	12:50	69.6	100	0
20180723T125500	2018	07	23	12:55	72.4	100	0
20180723T130000	2018	07	23	13:00	73.3	100	0
20180723T130500	2018	07	23	13:05	72.9	100	0
20180723T131000	2018	07	23	13:10	73.6	100	0
20180723T131500	2018	07	23	13:15	73.9	99.4	0
20180723T132000	2018	07	23	13:20	73.4	99.7	0
20180723T132500	2018	07	23	13:25	72.5	99.8	0
20180723T133000	2018	07	23	13:30	71.3	100	0
20180723T133500	2018	07	23	13:35	70.9	100	0
20180723T134000	2018	07	23	13:40	71	100	0.01
20180723T134500	2018	07	23	13:45	71	100	0
20180723T135000	2018	07	23	13:50	71.1	100	0
20180723T135500	2018	07	23	13:55	71.4	100	0
20180723T140000	2018	07	23	14:00	71.6	100	0
20180723T140500	2018	07	23	14:05	72	100	0
20180723T141000	2018	07	23	14:10	71.8	100	0
20180723T141500	2018	07	23	14:15	71.7	100	0
20180723T142000	2018	07	23	14:20	72.3	100	0
20180723T142500	2018	07	23	14:25	72.2	100	0.01
20180723T143000	2018	07	23	14:30	71.8	100	0.01
20180723T143500	2018	07	23	14:35	72	100	0
20180723T144000	2018	07	23	14:40	73.1	100	0
20180723T144500	2018	07	23	14:45	73.7	100	0
20180723T145000	2018	07	23	14:50	74	100	0
20180723T145500	2018	07	23	14:55	73.4	100	0
20180723T150000	2018	07	23	15:00	73.3	100	0
20180723T150500	2018	07	23	15:05	72.9	100	0
20180723T151000	2018	07	23	15:10	72.7	100	0
20180723T151500	2018	07	23	15:15	72.3	100	0
20180723T152000	2018	07	23	15:20	72.1	100	0.01
20180723T152500	2018	07	23	15:25	71.7	100	0
20180723T153000	2018	07	23	15:30	71.5	100	0.01
20180723T153500	2018	07	23	15:35	71.2	100	0.02
20180723T154000	2018	07	23	15:40	70.8	100	0.05
20180723T154500	2018	07	23	15:45	70.5	100	0.06
20180723T155000	2018	07	23	15:50	70.2	100	0.03
20180723T155500	2018	07	23	15:55	70.2	100	0.01

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180723T160000	2018	07	23	16:00	70.3	100	0
20180723T160500	2018	07	23	16:05	70.2	100	0
20180723T161000	2018	07	23	16:10	70.2	100	0
20180723T161500	2018	07	23	16:15	70.2	100	0
20180723T162000	2018	07	23	16:20	70	100	0
20180723T162500	2018	07	23	16:25	69.8	100	0
20180723T163000	2018	07	23	16:30	69.6	100	0.01
20180723T163500	2018	07	23	16:35	69.6	100	0.01
20180723T164000	2018	07	23	16:40	69.7	100	0.01
20180723T164500	2018	07	23	16:45	69.8	100	0
20180723T165000	2018	07	23	16:50	70	100	0
20180723T165500	2018	07	23	16:55	70.3	100	0
20180723T170000	2018	07	23	17:00	70.4	100	0
20180723T170500	2018	07	23	17:05	70.3	100	0
20180723T171000	2018	07	23	17:10	70.3	100	0
20180723T171500	2018	07	23	17:15	70.4	100	0
20180723T172000	2018	07	23	17:20	70.6	100	0
20180723T172500	2018	07	23	17:25	71	100	0
20180723T173000	2018	07	23	17:30	71.3	100	0
20180723T173500	2018	07	23	17:35	71.8	100	0
20180723T174000	2018	07	23	17:40	72.7	100	0
20180723T174500	2018	07	23	17:45	72.8	100	0
20180723T175000	2018	07	23	17:50	72.9	100	0
20180723T175500	2018	07	23	17:55	73	100	0
20180723T180000	2018	07	23	18:00	72.6	100	0
20180723T180500	2018	07	23	18:05	71.9	100	0
20180723T181000	2018	07	23	18:10	71.5	100	0
20180723T181500	2018	07	23	18:15	71.3	100	0
20180723T182000	2018	07	23	18:20	71.1	100	0
20180723T182500	2018	07	23	18:25	71.1	100	0
20180723T183000	2018	07	23	18:30	71.2	100	0
20180723T183500	2018	07	23	18:35	71.3	100	0
20180723T184000	2018	07	23	18:40	71.3	100	0
20180723T184500	2018	07	23	18:45	71.1	100	0
20180723T185000	2018	07	23	18:50	70.9	100	0
20180723T185500	2018	07	23	18:55	70.8	100	0
20180723T190000	2018	07	23	19:00	70.7	100	0
20180723T190500	2018	07	23	19:05	70.6	100	0
20180723T191000	2018	07	23	19:10	70.6	100	0
20180723T191500	2018	07	23	19:15	70.8	100	0
20180723T192000	2018	07	23	19:20	70.8	100	0
20180723T192500	2018	07	23	19:25	70.6	100	0.01
20180723T193000	2018	07	23	19:30	70.6	100	0
20180723T193500	2018	07	23	19:35	70.5	100	0
20180723T194000	2018	07	23	19:40	70.5	100	0
20180723T194500	2018	07	23	19:45	70.5	100	0
20180723T195000	2018	07	23	19:50	70.5	100	0
20180723T195500	2018	07	23	19:55	70.3	100	0
20180723T200000	2018	07	23	20:00	70.3	100	0
20180723T200500	2018	07	23	20:05	70.2	100	0
20180723T201000	2018	07	23	20:10	70.2	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180723T201500	2018	07	23	20:15	70.1	100	0
20180723T202000	2018	07	23	20:20	70.1	100	0
20180723T202500	2018	07	23	20:25	70.1	100	0.01
20180723T203000	2018	07	23	20:30	70.1	100	0
20180723T203500	2018	07	23	20:35	70	100	0
20180723T204000	2018	07	23	20:40	69.9	100	0
20180723T204500	2018	07	23	20:45	70	100	0
20180723T205000	2018	07	23	20:50	70	100	0
20180723T205500	2018	07	23	20:55	70	100	0
20180723T210000	2018	07	23	21:00	70	100	0
20180723T210500	2018	07	23	21:05	69.9	100	0
20180723T211000	2018	07	23	21:10	69.9	100	0.01
20180723T211500	2018	07	23	21:15	69.8	100	0
20180723T212000	2018	07	23	21:20	69.9	100	0
20180723T212500	2018	07	23	21:25	69.8	100	0
20180723T213000	2018	07	23	21:30	69.8	100	0
20180723T213500	2018	07	23	21:35	69.9	100	0
20180723T214000	2018	07	23	21:40	69.7	100	0
20180723T214500	2018	07	23	21:45	69.7	100	0
20180723T215000	2018	07	23	21:50	69.8	100	0
20180723T215500	2018	07	23	21:55	69.9	100	0
20180723T220000	2018	07	23	22:00	70.1	100	0
20180723T220500	2018	07	23	22:05	70.1	100	0
20180723T221000	2018	07	23	22:10	70	100	0.01
20180723T221500	2018	07	23	22:15	70	100	0.02
20180723T222000	2018	07	23	22:20	69.9	100	0
20180723T222500	2018	07	23	22:25	69.9	100	0
20180723T223000	2018	07	23	22:30	69.9	100	0
20180723T223500	2018	07	23	22:35	69.8	100	0
20180723T224000	2018	07	23	22:40	69.8	100	0
20180723T224500	2018	07	23	22:45	69.7	100	0
20180723T225000	2018	07	23	22:50	69.7	100	0
20180723T225500	2018	07	23	22:55	69.5	100	0.02
20180723T230000	2018	07	23	23:00	69.5	100	0
20180723T230500	2018	07	23	23:05	69.4	100	0
20180723T231000	2018	07	23	23:10	69.4	100	0
20180723T231500	2018	07	23	23:15	69.4	100	0.01
20180723T232000	2018	07	23	23:20	69.4	100	0
20180723T232500	2018	07	23	23:25	69.4	100	0
20180723T233000	2018	07	23	23:30	69.4	100	0
20180723T233500	2018	07	23	23:35	69.4	100	0
20180723T234000	2018	07	23	23:40	69.4	100	0
20180723T234500	2018	07	23	23:45	69.3	100	0
20180723T235000	2018	07	23	23:50	69.4	100	0
20180723T235500	2018	07	23	23:55	69.4	100	0
20180724T000000	2018	07	24	00:00	69.3	100	0
20180724T000500	2018	07	24	00:05	69.3	100	0
20180724T001000	2018	07	24	00:10	69.1	100	0
20180724T001500	2018	07	24	00:15	69	100	0
20180724T002000	2018	07	24	00:20	69	100	0
20180724T002500	2018	07	24	00:25	69	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180724T003000	2018	07	24	00:30	68.9	100	0
20180724T003500	2018	07	24	00:35	68.8	100	0
20180724T004000	2018	07	24	00:40	68.9	100	0
20180724T004500	2018	07	24	00:45	68.8	100	0
20180724T005000	2018	07	24	00:50	68.7	100	0
20180724T005500	2018	07	24	00:55	68.7	100	0
20180724T010000	2018	07	24	01:00	68.7	100	0.01
20180724T010500	2018	07	24	01:05	68.6	100	0.01
20180724T011000	2018	07	24	01:10	68.6	100	0
20180724T011500	2018	07	24	01:15	68.6	100	0
20180724T012000	2018	07	24	01:20	68.6	100	0
20180724T012500	2018	07	24	01:25	68.6	100	0
20180724T013000	2018	07	24	01:30	68.6	100	0
20180724T013500	2018	07	24	01:35	68.5	100	0
20180724T014000	2018	07	24	01:40	68.4	100	0.01
20180724T014500	2018	07	24	01:45	68.4	100	0.02
20180724T015000	2018	07	24	01:50	68.3	100	0
20180724T015500	2018	07	24	01:55	68.2	100	0
20180724T020000	2018	07	24	02:00	68.3	100	0
20180724T020500	2018	07	24	02:05	68.3	100	0
20180724T021000	2018	07	24	02:10	68.3	100	0.01
20180724T021500	2018	07	24	02:15	68.4	100	0.01
20180724T022000	2018	07	24	02:20	68.5	100	0.01
20180724T022500	2018	07	24	02:25	68.5	100	0.02
20180724T023000	2018	07	24	02:30	68.5	100	0.01
20180724T023500	2018	07	24	02:35	68.5	100	0.01
20180724T024000	2018	07	24	02:40	68.5	100	0.02
20180724T024500	2018	07	24	02:45	68.5	100	0.01
20180724T025000	2018	07	24	02:50	68.5	100	0.01
20180724T025500	2018	07	24	02:55	68.5	100	0.01
20180724T030000	2018	07	24	03:00	68.5	100	0.01
20180724T030500	2018	07	24	03:05	68.4	100	0
20180724T031000	2018	07	24	03:10	68.4	100	0.01
20180724T031500	2018	07	24	03:15	68.3	100	0.02
20180724T032000	2018	07	24	03:20	68.3	100	0.02
20180724T032500	2018	07	24	03:25	68.3	100	0.01
20180724T033000	2018	07	24	03:30	68.3	100	0.01
20180724T033500	2018	07	24	03:35	68.3	100	0.01
20180724T034000	2018	07	24	03:40	68.3	100	0.01
20180724T034500	2018	07	24	03:45	68.3	100	0.01
20180724T035000	2018	07	24	03:50	68.3	100	0.05
20180724T035500	2018	07	24	03:55	68.2	100	0.11
20180724T040000	2018	07	24	04:00	68.1	100	0.03
20180724T040500	2018	07	24	04:05	68	100	0
20180724T041000	2018	07	24	04:10	68	100	0
20180724T041500	2018	07	24	04:15	68	100	0
20180724T042000	2018	07	24	04:20	68	100	0
20180724T042500	2018	07	24	04:25	68	100	0.01
20180724T043000	2018	07	24	04:30	68.1	100	0.01
20180724T043500	2018	07	24	04:35	68	100	0
20180724T044000	2018	07	24	04:40	68	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180724T044500	2018	07	24	04:45	68	100	0
20180724T045000	2018	07	24	04:50	68	100	0
20180724T045500	2018	07	24	04:55	68	100	0
20180724T050000	2018	07	24	05:00	68.1	100	0
20180724T050500	2018	07	24	05:05	68.2	100	0
20180724T051000	2018	07	24	05:10	68.2	100	0
20180724T051500	2018	07	24	05:15	68.2	100	0.01
20180724T052000	2018	07	24	05:20	68.3	100	0
20180724T052500	2018	07	24	05:25	68.2	100	0
20180724T053000	2018	07	24	05:30	68.1	100	0
20180724T053500	2018	07	24	05:35	68	100	0.01
20180724T054000	2018	07	24	05:40	68	100	0.03
20180724T054500	2018	07	24	05:45	67.9	100	0.04
20180724T055000	2018	07	24	05:50	67.8	100	0.01
20180724T055500	2018	07	24	05:55	67.6	100	0.02
20180724T060000	2018	07	24	06:00	67.5	100	0.01
20180724T060500	2018	07	24	06:05	67.4	100	0
20180724T061000	2018	07	24	06:10	67.4	100	0
20180724T061500	2018	07	24	06:15	67.7	100	0
20180724T062000	2018	07	24	06:20	67.7	100	0
20180724T062500	2018	07	24	06:25	67.8	100	0
20180724T063000	2018	07	24	06:30	67.9	100	0
20180724T063500	2018	07	24	06:35	68.1	100	0
20180724T064000	2018	07	24	06:40	68.2	100	0
20180724T064500	2018	07	24	06:45	68.3	100	0
20180724T065000	2018	07	24	06:50	68.4	100	0
20180724T065500	2018	07	24	06:55	68.5	100	0
20180724T070000	2018	07	24	07:00	68.5	100	0
20180724T070500	2018	07	24	07:05	68.6	100	0
20180724T071000	2018	07	24	07:10	68.6	100	0
20180724T071500	2018	07	24	07:15	68.7	100	0
20180724T072000	2018	07	24	07:20	68.7	100	0
20180724T072500	2018	07	24	07:25	68.7	100	0
20180724T073000	2018	07	24	07:30	68.6	100	0
20180724T073500	2018	07	24	07:35	68.6	100	0
20180724T074000	2018	07	24	07:40	68.6	100	0
20180724T074500	2018	07	24	07:45	68.6	100	0
20180724T075000	2018	07	24	07:50	68.5	100	0
20180724T075500	2018	07	24	07:55	68.5	100	0.01
20180724T080000	2018	07	24	08:00	68.5	100	0.01
20180724T080500	2018	07	24	08:05	68.5	100	0
20180724T081000	2018	07	24	08:10	68.5	100	0
20180724T081500	2018	07	24	08:15	68.5	100	0
20180724T082000	2018	07	24	08:20	68.6	100	0
20180724T082500	2018	07	24	08:25	68.7	100	0
20180724T083000	2018	07	24	08:30	68.9	100	0
20180724T083500	2018	07	24	08:35	69.2	100	0
20180724T084000	2018	07	24	08:40	69.7	100	0
20180724T084500	2018	07	24	08:45	69.5	100	0
20180724T085000	2018	07	24	08:50	69.4	100	0
20180724T085500	2018	07	24	08:55	69.6	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180724T090000	2018	07	24	09:00	69.9	100	0
20180724T090500	2018	07	24	09:05	70.2	100	0
20180724T091000	2018	07	24	09:10	70.2	100	0
20180724T091500	2018	07	24	09:15	70	100	0
20180724T092000	2018	07	24	09:20	70	100	0
20180724T092500	2018	07	24	09:25	70.2	100	0
20180724T093000	2018	07	24	09:30	70.2	100	0
20180724T093500	2018	07	24	09:35	70.4	100	0
20180724T094000	2018	07	24	09:40	70.9	100	0
20180724T094500	2018	07	24	09:45	71	100	0
20180724T095000	2018	07	24	09:50	71.3	100	0
20180724T095500	2018	07	24	09:55	71.2	100	0
20180724T100000	2018	07	24	10:00	71.1	100	0
20180724T100500	2018	07	24	10:05	71.1	100	0
20180724T101000	2018	07	24	10:10	71.6	100	0
20180724T101500	2018	07	24	10:15	71.8	100	0
20180724T102000	2018	07	24	10:20	71.4	100	0
20180724T102500	2018	07	24	10:25	71.2	100	0
20180724T103000	2018	07	24	10:30	71.2	100	0
20180724T103500	2018	07	24	10:35	71.2	100	0
20180724T104000	2018	07	24	10:40	70.6	100	0
20180724T104500	2018	07	24	10:45	70	100	0.05
20180724T105000	2018	07	24	10:50	69.6	100	0.03
20180724T105500	2018	07	24	10:55	69.6	100	0.03
20180724T110000	2018	07	24	11:00	69.6	100	0
20180724T110500	2018	07	24	11:05	70	100	0
20180724T111000	2018	07	24	11:10	70.1	100	0
20180724T111500	2018	07	24	11:15	70.1	100	0
20180724T112000	2018	07	24	11:20	70.1	100	0
20180724T112500	2018	07	24	11:25	70.1	100	0
20180724T113000	2018	07	24	11:30	70.3	100	0.01
20180724T113500	2018	07	24	11:35	70.2	100	0
20180724T114000	2018	07	24	11:40	70.2	100	0
20180724T114500	2018	07	24	11:45	70.3	100	0
20180724T115000	2018	07	24	11:50	70.2	100	0
20180724T115500	2018	07	24	11:55	70.5	100	0
20180724T120000	2018	07	24	12:00	70.6	100	0
20180724T120500	2018	07	24	12:05	70.5	100	0
20180724T121000	2018	07	24	12:10	70.3	100	0.01
20180724T121500	2018	07	24	12:15	70.3	100	0.01
20180724T122000	2018	07	24	12:20	70.3	100	0
20180724T122500	2018	07	24	12:25	70.2	100	0
20180724T123000	2018	07	24	12:30	70.3	100	0
20180724T123500	2018	07	24	12:35	70.4	100	0.01
20180724T124000	2018	07	24	12:40	70.7	100	0
20180724T124500	2018	07	24	12:45	71.1	100	0
20180724T125000	2018	07	24	12:50	72.2	100	0
20180724T125500	2018	07	24	12:55	72.3	100	0
20180724T130000	2018	07	24	13:00	71.6	100	0
20180724T130500	2018	07	24	13:05	70.9	100	0
20180724T131000	2018	07	24	13:10	70.3	100	0.02

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180724T131500	2018	07	24	13:15	70.5	100	0
20180724T132000	2018	07	24	13:20	70.4	100	0
20180724T132500	2018	07	24	13:25	70.3	100	0
20180724T133000	2018	07	24	13:30	70.2	100	0.03
20180724T133500	2018	07	24	13:35	69.7	100	0.13
20180724T134000	2018	07	24	13:40	68.5	100	0.05
20180724T134500	2018	07	24	13:45	68	100	0.04
20180724T135000	2018	07	24	13:50	68	100	0.03
20180724T135500	2018	07	24	13:55	68.3	100	0
20180724T140000	2018	07	24	14:00	68	100	0.1
20180724T140500	2018	07	24	14:05	68	100	0.01
20180724T141000	2018	07	24	14:10	68.5	100	0
20180724T141500	2018	07	24	14:15	69.5	100	0
20180724T142000	2018	07	24	14:20	70	100	0
20180724T142500	2018	07	24	14:25	70.5	100	0
20180724T143000	2018	07	24	14:30	70.6	100	0
20180724T143500	2018	07	24	14:35	70.8	100	0
20180724T144000	2018	07	24	14:40	70.8	100	0
20180724T144500	2018	07	24	14:45	70.7	100	0
20180724T145000	2018	07	24	14:50	70.6	100	0
20180724T145500	2018	07	24	14:55	70.7	100	0
20180724T150000	2018	07	24	15:00	71.3	100	0
20180724T150500	2018	07	24	15:05	71.5	100	0
20180724T151000	2018	07	24	15:10	72	100	0
20180724T151500	2018	07	24	15:15	72	100	0
20180724T152000	2018	07	24	15:20	72.1	100	0
20180724T152500	2018	07	24	15:25	71.9	100	0
20180724T153000	2018	07	24	15:30	72	100	0
20180724T153500	2018	07	24	15:35	72	100	0
20180724T154000	2018	07	24	15:40	72	100	0
20180724T154500	2018	07	24	15:45	71.9	100	0
20180724T155000	2018	07	24	15:50	71.7	100	0
20180724T155500	2018	07	24	15:55	71.6	100	0
20180724T160000	2018	07	24	16:00	71.4	100	0
20180724T160500	2018	07	24	16:05	71.3	100	0
20180724T161000	2018	07	24	16:10	71.2	100	0.01
20180724T161500	2018	07	24	16:15	71	100	0.01
20180724T162000	2018	07	24	16:20	70.9	100	0
20180724T162500	2018	07	24	16:25	70.9	100	0.01
20180724T163000	2018	07	24	16:30	70.7	100	0.02
20180724T163500	2018	07	24	16:35	70.6	100	0.02
20180724T164000	2018	07	24	16:40	70.5	100	0.02
20180724T164500	2018	07	24	16:45	70.3	100	0.04
20180724T165000	2018	07	24	16:50	70.2	100	0.03
20180724T165500	2018	07	24	16:55	70.2	100	0.02
20180724T170000	2018	07	24	17:00	70.2	100	0.01
20180724T170500	2018	07	24	17:05	70.2	100	0.01
20180724T171000	2018	07	24	17:10	70.1	100	0.04
20180724T171500	2018	07	24	17:15	70.2	100	0
20180724T172000	2018	07	24	17:20	70.3	100	0
20180724T172500	2018	07	24	17:25	70.4	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180724T173000	2018	07	24	17:30	70.5	100	0
20180724T173500	2018	07	24	17:35	70.4	100	0
20180724T174000	2018	07	24	17:40	70.4	100	0
20180724T174500	2018	07	24	17:45	70.7	100	0
20180724T175000	2018	07	24	17:50	70.8	100	0
20180724T175500	2018	07	24	17:55	70.8	100	0
20180724T180000	2018	07	24	18:00	70.8	100	0
20180724T180500	2018	07	24	18:05	70.8	100	0
20180724T181000	2018	07	24	18:10	70.7	100	0
20180724T181500	2018	07	24	18:15	70.7	100	0
20180724T182000	2018	07	24	18:20	70.8	100	0
20180724T182500	2018	07	24	18:25	70.8	100	0
20180724T183000	2018	07	24	18:30	70.7	100	0
20180724T183500	2018	07	24	18:35	70.5	100	0.01
20180724T184000	2018	07	24	18:40	70.4	100	0.01
20180724T184500	2018	07	24	18:45	70.3	100	0
20180724T185000	2018	07	24	18:50	70.3	100	0
20180724T185500	2018	07	24	18:55	70.3	100	0
20180724T190000	2018	07	24	19:00	70.2	100	0
20180724T190500	2018	07	24	19:05	70.1	100	0
20180724T191000	2018	07	24	19:10	70	100	0
20180724T191500	2018	07	24	19:15	69.9	100	0
20180724T192000	2018	07	24	19:20	69.8	100	0
20180724T192500	2018	07	24	19:25	69.8	100	0
20180724T193000	2018	07	24	19:30	69.7	100	0
20180724T193500	2018	07	24	19:35	69.6	100	0.01
20180724T194000	2018	07	24	19:40	69.4	100	0.01
20180724T194500	2018	07	24	19:45	69.3	100	0
20180724T195000	2018	07	24	19:50	69.4	100	0
20180724T195500	2018	07	24	19:55	69.2	100	0
20180724T200000	2018	07	24	20:00	69.2	100	0
20180724T200500	2018	07	24	20:05	69.1	100	0
20180724T201000	2018	07	24	20:10	69.1	100	0
20180724T201500	2018	07	24	20:15	69.1	100	0
20180724T202000	2018	07	24	20:20	69.1	100	0
20180724T202500	2018	07	24	20:25	69.1	100	0
20180724T203000	2018	07	24	20:30	69.1	100	0
20180724T203500	2018	07	24	20:35	69.1	100	0
20180724T204000	2018	07	24	20:40	69	100	0
20180724T204500	2018	07	24	20:45	69	100	0
20180724T205000	2018	07	24	20:50	68.9	100	0
20180724T205500	2018	07	24	20:55	69	100	0
20180724T210000	2018	07	24	21:00	69	100	0
20180724T210500	2018	07	24	21:05	69	100	0
20180724T211000	2018	07	24	21:10	69	100	0
20180724T211500	2018	07	24	21:15	69	100	0
20180724T212000	2018	07	24	21:20	69	100	0
20180724T212500	2018	07	24	21:25	69	100	0
20180724T213000	2018	07	24	21:30	69	100	0
20180724T213500	2018	07	24	21:35	69	100	0
20180724T214000	2018	07	24	21:40	69	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180724T214500	2018	07	24	21:45	69	100	0
20180724T215000	2018	07	24	21:50	69	100	0
20180724T215500	2018	07	24	21:55	69.1	100	0
20180724T220000	2018	07	24	22:00	69.1	100	0
20180724T220500	2018	07	24	22:05	69.1	100	0
20180724T221000	2018	07	24	22:10	69.1	100	0
20180724T221500	2018	07	24	22:15	69	100	0
20180724T222000	2018	07	24	22:20	69	100	0
20180724T222500	2018	07	24	22:25	69	100	0
20180724T223000	2018	07	24	22:30	69	100	0
20180724T223500	2018	07	24	22:35	69	100	0
20180724T224000	2018	07	24	22:40	69	100	0
20180724T224500	2018	07	24	22:45	69	100	0
20180724T225000	2018	07	24	22:50	69	100	0
20180724T225500	2018	07	24	22:55	69.1	100	0
20180724T230000	2018	07	24	23:00	69.1	100	0
20180724T230500	2018	07	24	23:05	69	100	0
20180724T231000	2018	07	24	23:10	69	100	0
20180724T231500	2018	07	24	23:15	69	100	0
20180724T232000	2018	07	24	23:20	69	100	0
20180724T232500	2018	07	24	23:25	69	100	0
20180724T233000	2018	07	24	23:30	69	100	0
20180724T233500	2018	07	24	23:35	68.9	100	0
20180724T234000	2018	07	24	23:40	68.9	100	0
20180724T234500	2018	07	24	23:45	68.9	100	0
20180724T235000	2018	07	24	23:50	68.9	100	0
20180724T235500	2018	07	24	23:55	68.9	100	0
20180725T000000	2018	07	25	00:00	68.9	100	0
20180725T000500	2018	07	25	00:05	68.9	100	0
20180725T001000	2018	07	25	00:10	68.9	100	0
20180725T001500	2018	07	25	00:15	68.7	100	0
20180725T002000	2018	07	25	00:20	68.8	100	0
20180725T002500	2018	07	25	00:25	68.8	100	0.01
20180725T003000	2018	07	25	00:30	68.8	100	0.01
20180725T003500	2018	07	25	00:35	68.8	100	0
20180725T004000	2018	07	25	00:40	68.8	100	0.01
20180725T004500	2018	07	25	00:45	68.7	100	0.01
20180725T005000	2018	07	25	00:50	68.7	100	0.02
20180725T005500	2018	07	25	00:55	68.6	100	0.03
20180725T010000	2018	07	25	01:00	68.7	100	0.03
20180725T010500	2018	07	25	01:05	68.6	100	0.02
20180725T011000	2018	07	25	01:10	68.5	100	0.03
20180725T011500	2018	07	25	01:15	68.5	100	0.02
20180725T012000	2018	07	25	01:20	68.4	100	0.02
20180725T012500	2018	07	25	01:25	68.1	100	0.05
20180725T013000	2018	07	25	01:30	67.9	100	0.08
20180725T013500	2018	07	25	01:35	67.8	100	0.07
20180725T014000	2018	07	25	01:40	67.6	100	0.06
20180725T014500	2018	07	25	01:45	67.5	100	0.03
20180725T015000	2018	07	25	01:50	67.6	100	0.02
20180725T015500	2018	07	25	01:55	67.6	100	0.01

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180725T020000	2018	07	25	02:00	67.6	100	0
20180725T020500	2018	07	25	02:05	67.5	100	0.01
20180725T021000	2018	07	25	02:10	67.5	100	0.02
20180725T021500	2018	07	25	02:15	67.7	100	0.01
20180725T022000	2018	07	25	02:20	67.7	100	0.02
20180725T022500	2018	07	25	02:25	67.7	100	0.02
20180725T023000	2018	07	25	02:30	67.8	100	0.01
20180725T023500	2018	07	25	02:35	67.9	100	0.02
20180725T024000	2018	07	25	02:40	67.9	100	0.02
20180725T024500	2018	07	25	02:45	67.9	100	0.02
20180725T025000	2018	07	25	02:50	67.9	100	0.02
20180725T025500	2018	07	25	02:55	67.9	100	0.01
20180725T030000	2018	07	25	03:00	67.9	100	0.04
20180725T030500	2018	07	25	03:05	67.9	100	0.05
20180725T031000	2018	07	25	03:10	67.9	100	0.01
20180725T031500	2018	07	25	03:15	67.9	100	0
20180725T032000	2018	07	25	03:20	67.9	100	0
20180725T032500	2018	07	25	03:25	67.9	100	0
20180725T033000	2018	07	25	03:30	67.9	100	0
20180725T033500	2018	07	25	03:35	68	100	0
20180725T034000	2018	07	25	03:40	67.9	100	0
20180725T034500	2018	07	25	03:45	67.9	100	0
20180725T035000	2018	07	25	03:50	67.9	100	0
20180725T035500	2018	07	25	03:55	68	100	0
20180725T040000	2018	07	25	04:00	68	100	0
20180725T040500	2018	07	25	04:05	68	100	0
20180725T041000	2018	07	25	04:10	68	100	0
20180725T041500	2018	07	25	04:15	68	100	0
20180725T042000	2018	07	25	04:20	67.9	100	0
20180725T042500	2018	07	25	04:25	67.9	100	0
20180725T043000	2018	07	25	04:30	67.9	100	0
20180725T043500	2018	07	25	04:35	67.9	100	0
20180725T044000	2018	07	25	04:40	67.9	100	0
20180725T044500	2018	07	25	04:45	67.8	100	0.02
20180725T045000	2018	07	25	04:50	67.6	100	0.02
20180725T045500	2018	07	25	04:55	67.6	100	0.01
20180725T050000	2018	07	25	05:00	67.6	100	0.01
20180725T050500	2018	07	25	05:05	67.6	100	0.01
20180725T051000	2018	07	25	05:10	67.5	100	0.01
20180725T051500	2018	07	25	05:15	67.4	100	0
20180725T052000	2018	07	25	05:20	67.4	100	0
20180725T052500	2018	07	25	05:25	67.4	100	0
20180725T053000	2018	07	25	05:30	67.5	100	0
20180725T053500	2018	07	25	05:35	67.5	100	0
20180725T054000	2018	07	25	05:40	67.5	100	0
20180725T054500	2018	07	25	05:45	67.5	100	0
20180725T055000	2018	07	25	05:50	67.5	100	0
20180725T055500	2018	07	25	05:55	67.6	100	0
20180725T060000	2018	07	25	06:00	67.6	100	0
20180725T060500	2018	07	25	06:05	67.6	100	0
20180725T061000	2018	07	25	06:10	67.6	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180725T061500	2018	07	25	06:15	67.6	100	0
20180725T062000	2018	07	25	06:20	67.7	100	0
20180725T062500	2018	07	25	06:25	67.7	100	0
20180725T063000	2018	07	25	06:30	67.7	100	0
20180725T063500	2018	07	25	06:35	67.6	100	0
20180725T064000	2018	07	25	06:40	67.7	100	0
20180725T064500	2018	07	25	06:45	67.7	100	0
20180725T065000	2018	07	25	06:50	67.7	100	0
20180725T065500	2018	07	25	06:55	67.7	100	0
20180725T070000	2018	07	25	07:00	67.7	100	0
20180725T070500	2018	07	25	07:05	67.7	100	0
20180725T071000	2018	07	25	07:10	67.7	100	0
20180725T071500	2018	07	25	07:15	67.7	100	0
20180725T072000	2018	07	25	07:20	67.6	100	0
20180725T072500	2018	07	25	07:25	67.6	100	0.02
20180725T073000	2018	07	25	07:30	67.6	100	0.01
20180725T073500	2018	07	25	07:35	67.6	100	0.01
20180725T074000	2018	07	25	07:40	67.7	100	0
20180725T074500	2018	07	25	07:45	67.7	100	0
20180725T075000	2018	07	25	07:50	67.8	100	0
20180725T075500	2018	07	25	07:55	67.9	100	0
20180725T080000	2018	07	25	08:00	67.9	100	0
20180725T080500	2018	07	25	08:05	67.9	100	0
20180725T081000	2018	07	25	08:10	67.9	100	0
20180725T081500	2018	07	25	08:15	67.9	100	0
20180725T082000	2018	07	25	08:20	68	100	0
20180725T082500	2018	07	25	08:25	68	100	0
20180725T083000	2018	07	25	08:30	68.1	100	0
20180725T083500	2018	07	25	08:35	68.1	100	0
20180725T084000	2018	07	25	08:40	68.1	100	0
20180725T084500	2018	07	25	08:45	68.2	100	0
20180725T085000	2018	07	25	08:50	68.3	100	0
20180725T085500	2018	07	25	08:55	68.2	100	0
20180725T090000	2018	07	25	09:00	68.2	100	0.01
20180725T090500	2018	07	25	09:05	68.1	100	0.02
20180725T091000	2018	07	25	09:10	68	100	0.03
20180725T091500	2018	07	25	09:15	68.1	100	0.01
20180725T092000	2018	07	25	09:20	68.1	100	0
20180725T092500	2018	07	25	09:25	68.1	100	0.01
20180725T093000	2018	07	25	09:30	68	100	0.07
20180725T093500	2018	07	25	09:35	67.9	100	0.07
20180725T094000	2018	07	25	09:40	67.9	100	0.07
20180725T094500	2018	07	25	09:45	67.9	100	0.04
20180725T095000	2018	07	25	09:50	67.9	100	0.05
20180725T095500	2018	07	25	09:55	67.9	100	0.02
20180725T100000	2018	07	25	10:00	67.9	100	0.03
20180725T100500	2018	07	25	10:05	67.9	100	0.01
20180725T101000	2018	07	25	10:10	68	100	0.01
20180725T101500	2018	07	25	10:15	68.1	100	0.01
20180725T102000	2018	07	25	10:20	68.2	100	0
20180725T102500	2018	07	25	10:25	68.2	100	0.01

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180725T103000	2018	07	25	10:30	68.2	100	0.01
20180725T103500	2018	07	25	10:35	68.3	100	0
20180725T104000	2018	07	25	10:40	68.5	100	0
20180725T104500	2018	07	25	10:45	68.7	100	0
20180725T105000	2018	07	25	10:50	68.6	100	0
20180725T105500	2018	07	25	10:55	68.6	100	0
20180725T110000	2018	07	25	11:00	68.6	100	0.01
20180725T110500	2018	07	25	11:05	68.6	100	0
20180725T111000	2018	07	25	11:10	68.7	100	0.01
20180725T111500	2018	07	25	11:15	68.8	100	0
20180725T112000	2018	07	25	11:20	68.8	100	0
20180725T112500	2018	07	25	11:25	68.8	100	0
20180725T113000	2018	07	25	11:30	68.5	100	0.01
20180725T113500	2018	07	25	11:35	68.4	100	0
20180725T114000	2018	07	25	11:40	68.8	100	0
20180725T114500	2018	07	25	11:45	69.1	100	0
20180725T115000	2018	07	25	11:50	69.6	100	0
20180725T115500	2018	07	25	11:55	69.5	100	0
20180725T120000	2018	07	25	12:00	69.3	100	0
20180725T120500	2018	07	25	12:05	69.5	100	0
20180725T121000	2018	07	25	12:10	69.5	100	0
20180725T121500	2018	07	25	12:15	69.9	100	0
20180725T122000	2018	07	25	12:20	69.6	100	0
20180725T122500	2018	07	25	12:25	69.4	100	0
20180725T123000	2018	07	25	12:30	69.4	100	0
20180725T123500	2018	07	25	12:35	69.7	100	0
20180725T124000	2018	07	25	12:40	69.8	100	0
20180725T124500	2018	07	25	12:45	69.7	100	0
20180725T125000	2018	07	25	12:50	69.3	100	0
20180725T125500	2018	07	25	12:55	69	100	0
20180725T130000	2018	07	25	13:00	68.8	100	0
20180725T130500	2018	07	25	13:05	68.7	100	0
20180725T131000	2018	07	25	13:10	68.8	100	0
20180725T131500	2018	07	25	13:15	69	100	0
20180725T132000	2018	07	25	13:20	69.3	100	0
20180725T132500	2018	07	25	13:25	69.2	100	0
20180725T133000	2018	07	25	13:30	69.4	100	0
20180725T133500	2018	07	25	13:35	69.4	100	0
20180725T134000	2018	07	25	13:40	69.5	100	0
20180725T134500	2018	07	25	13:45	69.7	100	0
20180725T135000	2018	07	25	13:50	69.7	100	0.01
20180725T135500	2018	07	25	13:55	69.8	100	0
20180725T140000	2018	07	25	14:00	70.9	100	0
20180725T140500	2018	07	25	14:05	71.1	100	0
20180725T141000	2018	07	25	14:10	71.2	100	0
20180725T141500	2018	07	25	14:15			
20180725T142000	2018	07	25	14:20			
20180725T142500	2018	07	25	14:25	71	100	
20180725T143000	2018	07	25	14:30	72.1	100	
20180725T143500	2018	07	25	14:35	72.5	100	
20180725T144000	2018	07	25	14:40			

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180725T144500	2018	07	25	14:45			
20180725T145000	2018	07	25	14:50			
20180725T145500	2018	07	25	14:55			
20180725T150000	2018	07	25	15:00	70.1	100	
20180725T150500	2018	07	25	15:05			
20180725T151000	2018	07	25	15:10			
20180725T151500	2018	07	25	15:15			
20180725T152000	2018	07	25	15:20			
20180725T152500	2018	07	25	15:25			
20180725T153000	2018	07	25	15:30			
20180725T153500	2018	07	25	15:35			
20180725T154000	2018	07	25	15:40	71	100	
20180725T154500	2018	07	25	15:45	71.4	100	0
20180725T155000	2018	07	25	15:50	71.4	100	0
20180725T155500	2018	07	25	15:55	71.5	100	0
20180725T160000	2018	07	25	16:00	71.6	100	0
20180725T160500	2018	07	25	16:05	71.4	100	0
20180725T161000	2018	07	25	16:10	71.5	100	0
20180725T161500	2018	07	25	16:15	71.8	100	0
20180725T162000	2018	07	25	16:20	72.3	100	0
20180725T162500	2018	07	25	16:25	72.7	100	0
20180725T163000	2018	07	25	16:30	72.8	100	0
20180725T163500	2018	07	25	16:35	73.2	100	0
20180725T164000	2018	07	25	16:40	73.7	100	0
20180725T164500	2018	07	25	16:45	74	99.7	0
20180725T165000	2018	07	25	16:50	74	100	0
20180725T165500	2018	07	25	16:55	74	100	0
20180725T170000	2018	07	25	17:00	73.5	100	0
20180725T170500	2018	07	25	17:05	73.6	100	0
20180725T171000	2018	07	25	17:10	73.8	100	0
20180725T171500	2018	07	25	17:15	73.4	100	0
20180725T172000	2018	07	25	17:20	73.2	100	0
20180725T172500	2018	07	25	17:25	72.8	100	0
20180725T173000	2018	07	25	17:30	72.1	100	0
20180725T173500	2018	07	25	17:35	69.2	100	0
20180725T174000	2018	07	25	17:40	68.5	100	0
20180725T174500	2018	07	25	17:45	67.3	100	0.01
20180725T175000	2018	07	25	17:50	65.9	100	0.2
20180725T175500	2018	07	25	17:55	65.1	100	0.09
20180725T180000	2018	07	25	18:00	65.2	100	0.04
20180725T180500	2018	07	25	18:05	65.2	100	0.02
20180725T181000	2018	07	25	18:10	65.1	100	0.01
20180725T181500	2018	07	25	18:15	65	100	0.13
20180725T182000	2018	07	25	18:20	64.9	100	0.15
20180725T182500	2018	07	25	18:25	64.9	100	0.09
20180725T183000	2018	07	25	18:30	65	100	0.03
20180725T183500	2018	07	25	18:35	65	100	0.02
20180725T184000	2018	07	25	18:40	65	100	0.06
20180725T184500	2018	07	25	18:45	64.9	100	0.04
20180725T185000	2018	07	25	18:50	64.8	100	0.02
20180725T185500	2018	07	25	18:55	64.8	100	0.02

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180725T190000	2018	07	25	19:00	64.9	100	0.03
20180725T190500	2018	07	25	19:05	64.8	100	0.01
20180725T191000	2018	07	25	19:10	64.9	100	0
20180725T191500	2018	07	25	19:15	65	100	0.02
20180725T192000	2018	07	25	19:20	65	100	0.01
20180725T192500	2018	07	25	19:25	65	100	0.02
20180725T193000	2018	07	25	19:30	65.1	100	0.01
20180725T193500	2018	07	25	19:35	65.1	100	0.01
20180725T194000	2018	07	25	19:40	65.2	100	0.01
20180725T194500	2018	07	25	19:45	65.3	100	0.02
20180725T195000	2018	07	25	19:50	65.3	100	0.01
20180725T195500	2018	07	25	19:55	65.3	100	0.01
20180725T200000	2018	07	25	20:00	65.4	100	0.01
20180725T200500	2018	07	25	20:05	65.4	100	0.02
20180725T201000	2018	07	25	20:10	65.5	100	0.02
20180725T201500	2018	07	25	20:15	65.3	100	0.02
20180725T202000	2018	07	25	20:20	65.3	100	0.02
20180725T202500	2018	07	25	20:25	65.2	100	0.01
20180725T203000	2018	07	25	20:30	65.1	100	0.02
20180725T203500	2018	07	25	20:35	65.1	100	0.01
20180725T204000	2018	07	25	20:40	65.1	100	0
20180725T204500	2018	07	25	20:45	65.1	100	0.01
20180725T205000	2018	07	25	20:50	65.2	100	0.01
20180725T205500	2018	07	25	20:55	65.3	100	0
20180725T210000	2018	07	25	21:00	65.3	100	0
20180725T210500	2018	07	25	21:05	65.3	100	0
20180725T211000	2018	07	25	21:10	65.4	100	0
20180725T211500	2018	07	25	21:15	65.4	100	0
20180725T212000	2018	07	25	21:20	65.3	100	0
20180725T212500	2018	07	25	21:25	65.1	100	0
20180725T213000	2018	07	25	21:30	65	100	0
20180725T213500	2018	07	25	21:35	65	100	0
20180725T214000	2018	07	25	21:40	65	100	0
20180725T214500	2018	07	25	21:45	65.1	100	0
20180725T215000	2018	07	25	21:50	65.1	100	0
20180725T215500	2018	07	25	21:55	64.9	100	0
20180725T220000	2018	07	25	22:00	64.9	100	0
20180725T220500	2018	07	25	22:05	65.2	100	0
20180725T221000	2018	07	25	22:10	65.4	100	0
20180725T221500	2018	07	25	22:15	65.2	100	0
20180725T222000	2018	07	25	22:20	64.9	100	0
20180725T222500	2018	07	25	22:25	64.9	100	0
20180725T223000	2018	07	25	22:30	64.7	100	0
20180725T223500	2018	07	25	22:35	64.6	100	0
20180725T224000	2018	07	25	22:40	64.6	100	0
20180725T224500	2018	07	25	22:45	64.5	100	0
20180725T225000	2018	07	25	22:50	64.4	100	0
20180725T225500	2018	07	25	22:55	64.4	100	0
20180725T230000	2018	07	25	23:00	64.4	100	0
20180725T230500	2018	07	25	23:05	64.5	100	0
20180725T231000	2018	07	25	23:10	64.6	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180725T231500	2018	07	25	23:15	64.6	100	0
20180725T232000	2018	07	25	23:20	64.7	100	0
20180725T232500	2018	07	25	23:25	64.8	100	0
20180725T233000	2018	07	25	23:30	64.8	100	0
20180725T233500	2018	07	25	23:35	65	100	0
20180725T234000	2018	07	25	23:40	64.9	100	0
20180725T234500	2018	07	25	23:45	65.1	100	0
20180725T235000	2018	07	25	23:50	65.1	100	0
20180725T235500	2018	07	25	23:55	65.1	100	0
20180726T000000	2018	07	26	00:00	65.1	100	0
20180726T000500	2018	07	26	00:05	65.1	100	0
20180726T001000	2018	07	26	00:10	65.3	100	0
20180726T001500	2018	07	26	00:15	65.4	100	0
20180726T002000	2018	07	26	00:20	65.4	100	0
20180726T002500	2018	07	26	00:25	65.4	100	0
20180726T003000	2018	07	26	00:30	65.4	100	0
20180726T003500	2018	07	26	00:35	65.3	100	0
20180726T004000	2018	07	26	00:40	65.1	100	0
20180726T004500	2018	07	26	00:45	64.9	100	0
20180726T005000	2018	07	26	00:50	64.8	100	0
20180726T005500	2018	07	26	00:55	65.1	100	0
20180726T010000	2018	07	26	01:00	65.2	100	0
20180726T010500	2018	07	26	01:05	65.2	100	0
20180726T011000	2018	07	26	01:10	65.2	100	0
20180726T011500	2018	07	26	01:15	65.1	100	0
20180726T012000	2018	07	26	01:20	65	100	0
20180726T012500	2018	07	26	01:25	64.9	100	0
20180726T013000	2018	07	26	01:30	64.9	100	0
20180726T013500	2018	07	26	01:35	65.2	100	0
20180726T014000	2018	07	26	01:40	64.9	100	0
20180726T014500	2018	07	26	01:45	64.8	100	0
20180726T015000	2018	07	26	01:50	65.1	100	0
20180726T015500	2018	07	26	01:55	65.3	100	0
20180726T020000	2018	07	26	02:00	65.2	100	0
20180726T020500	2018	07	26	02:05	65	100	0
20180726T021000	2018	07	26	02:10	64.8	100	0.01
20180726T021500	2018	07	26	02:15	64.7	100	0
20180726T022000	2018	07	26	02:20	64.8	100	0.01
20180726T022500	2018	07	26	02:25	64.9	100	0
20180726T023000	2018	07	26	02:30	65	100	0
20180726T023500	2018	07	26	02:35	65	100	0
20180726T024000	2018	07	26	02:40	64.9	100	0
20180726T024500	2018	07	26	02:45	65	100	0
20180726T025000	2018	07	26	02:50	64.9	100	0
20180726T025500	2018	07	26	02:55	65	100	0
20180726T030000	2018	07	26	03:00	65.1	100	0
20180726T030500	2018	07	26	03:05	65	100	0
20180726T031000	2018	07	26	03:10	64.8	100	0
20180726T031500	2018	07	26	03:15	64.7	100	0
20180726T032000	2018	07	26	03:20	64.6	100	0
20180726T032500	2018	07	26	03:25	64.7	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180726T033000	2018	07	26	03:30	64.6	100	0
20180726T033500	2018	07	26	03:35	64.5	100	0
20180726T034000	2018	07	26	03:40	64.3	100	0
20180726T034500	2018	07	26	03:45	64.7	100	0
20180726T035000	2018	07	26	03:50	64.9	100	0
20180726T035500	2018	07	26	03:55	64.9	100	0
20180726T040000	2018	07	26	04:00	64.9	100	0
20180726T040500	2018	07	26	04:05	64.8	100	0
20180726T041000	2018	07	26	04:10	64.8	100	0
20180726T041500	2018	07	26	04:15	65	100	0
20180726T042000	2018	07	26	04:20	65.2	100	0
20180726T042500	2018	07	26	04:25	65.1	100	0
20180726T043000	2018	07	26	04:30	64.7	100	0
20180726T043500	2018	07	26	04:35	64.8	100	0
20180726T044000	2018	07	26	04:40	64.9	100	0
20180726T044500	2018	07	26	04:45	65	100	0
20180726T045000	2018	07	26	04:50	65	100	0
20180726T045500	2018	07	26	04:55	65	100	0
20180726T050000	2018	07	26	05:00	65.2	100	0
20180726T050500	2018	07	26	05:05	65.1	100	0
20180726T051000	2018	07	26	05:10	65	100	0
20180726T051500	2018	07	26	05:15	64.8	100	0
20180726T052000	2018	07	26	05:20	65	100	0
20180726T052500	2018	07	26	05:25	65	100	0
20180726T053000	2018	07	26	05:30	64.9	100	0
20180726T053500	2018	07	26	05:35	64.8	100	0
20180726T054000	2018	07	26	05:40	64.6	100	0
20180726T054500	2018	07	26	05:45	64.6	100	0
20180726T055000	2018	07	26	05:50	64.4	100	0
20180726T055500	2018	07	26	05:55	64.3	100	0
20180726T060000	2018	07	26	06:00	64.2	100	0
20180726T060500	2018	07	26	06:05	64.1	100	0
20180726T061000	2018	07	26	06:10	64	100	0
20180726T061500	2018	07	26	06:15	64	100	0
20180726T062000	2018	07	26	06:20	64	100	0
20180726T062500	2018	07	26	06:25	64	100	0
20180726T063000	2018	07	26	06:30	64.1	100	0
20180726T063500	2018	07	26	06:35	64.1	100	0
20180726T064000	2018	07	26	06:40	64	100	0
20180726T064500	2018	07	26	06:45	64.1	100	0
20180726T065000	2018	07	26	06:50	64.1	100	0
20180726T065500	2018	07	26	06:55	63.9	100	0
20180726T070000	2018	07	26	07:00	64	100	0
20180726T070500	2018	07	26	07:05	64.3	100	0
20180726T071000	2018	07	26	07:10	64.3	100	0
20180726T071500	2018	07	26	07:15	64.3	100	0
20180726T072000	2018	07	26	07:20	64.3	100	0
20180726T072500	2018	07	26	07:25	64.4	100	0
20180726T073000	2018	07	26	07:30	64.6	100	0
20180726T073500	2018	07	26	07:35	64.9	100	0
20180726T074000	2018	07	26	07:40	64.8	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180726T074500	2018	07	26	07:45	64.9	100	0
20180726T075000	2018	07	26	07:50	65.2	100	0
20180726T075500	2018	07	26	07:55	65.4	100	0
20180726T080000	2018	07	26	08:00	65.5	100	0
20180726T080500	2018	07	26	08:05	65.8	100	0
20180726T081000	2018	07	26	08:10	66	100	0
20180726T081500	2018	07	26	08:15	66.1	100	0
20180726T082000	2018	07	26	08:20	65.9	100	0
20180726T082500	2018	07	26	08:25	66.1	100	0
20180726T083000	2018	07	26	08:30	66.1	100	0
20180726T083500	2018	07	26	08:35	66.3	100	0
20180726T084000	2018	07	26	08:40	66.7	100	0
20180726T084500	2018	07	26	08:45	66.6	100	0
20180726T085000	2018	07	26	08:50	66.6	99.8	0
20180726T085500	2018	07	26	08:55	66.9	99.9	0
20180726T090000	2018	07	26	09:00	67	99	0
20180726T090500	2018	07	26	09:05	67.6	98.9	0
20180726T091000	2018	07	26	09:10	67.2	99.2	0
20180726T091500	2018	07	26	09:15	67.3	98.4	0
20180726T092000	2018	07	26	09:20	67.7	91	0
20180726T092500	2018	07	26	09:25	68.3	89.9	0
20180726T093000	2018	07	26	09:30	68.2	85.4	0
20180726T093500	2018	07	26	09:35	68.1	89.6	0
20180726T094000	2018	07	26	09:40	68.2	87.9	0
20180726T094500	2018	07	26	09:45	68.1	83.5	0
20180726T095000	2018	07	26	09:50	68.5	84.4	0
20180726T095500	2018	07	26	09:55	69.3	88.5	0
20180726T100000	2018	07	26	10:00	69	82.7	0
20180726T100500	2018	07	26	10:05	69.7	86.2	0
20180726T101000	2018	07	26	10:10	70	87	0
20180726T101500	2018	07	26	10:15			
20180726T102000	2018	07	26	10:20			
20180726T102500	2018	07	26	10:25			
20180726T103000	2018	07	26	10:30			
20180726T103500	2018	07	26	10:35			
20180726T104000	2018	07	26	10:40			
20180726T104500	2018	07	26	10:45			
20180726T105000	2018	07	26	10:50			
20180726T105500	2018	07	26	10:55			
20180726T110000	2018	07	26	11:00			
20180726T110500	2018	07	26	11:05			
20180726T111000	2018	07	26	11:10			
20180726T111500	2018	07	26	11:15			
20180726T112000	2018	07	26	11:20			
20180726T112500	2018	07	26	11:25	71.8	94.5	
20180726T113000	2018	07	26	11:30	72.5	93.3	0
20180726T113500	2018	07	26	11:35	72.7	90.5	0
20180726T114000	2018	07	26	11:40	73.1	92.6	0
20180726T114500	2018	07	26	11:45	72.4	91.2	0
20180726T115000	2018	07	26	11:50	73.5	90.4	0
20180726T115500	2018	07	26	11:55	73.7	87.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180726T120000	2018	07	26	12:00	73.3	85.8	0
20180726T120500	2018	07	26	12:05	74.3	85.6	0
20180726T121000	2018	07	26	12:10	73.2	82.3	0
20180726T121500	2018	07	26	12:15	73.6	86.2	0
20180726T122000	2018	07	26	12:20	73.7	82.2	0
20180726T122500	2018	07	26	12:25	72.7	85.8	0
20180726T123000	2018	07	26	12:30	74	80.5	0
20180726T123500	2018	07	26	12:35	74.8	77.7	0
20180726T124000	2018	07	26	12:40	75	76.5	0
20180726T124500	2018	07	26	12:45	75.5	75.3	0
20180726T125000	2018	07	26	12:50	75.7	76.4	0
20180726T125500	2018	07	26	12:55	75.7	76.4	0
20180726T130000	2018	07	26	13:00	75.6	73.7	0
20180726T130500	2018	07	26	13:05	76	74.6	0
20180726T131000	2018	07	26	13:10	75.2	72.8	0
20180726T131500	2018	07	26	13:15	74.9	74.4	0
20180726T132000	2018	07	26	13:20	73.9	77.1	0
20180726T132500	2018	07	26	13:25	74.3	81.8	0
20180726T133000	2018	07	26	13:30	74.3	76.4	0
20180726T133500	2018	07	26	13:35	73.7	79.2	0
20180726T134000	2018	07	26	13:40	75.5	80	0
20180726T134500	2018	07	26	13:45	76.7	74.9	0
20180726T135000	2018	07	26	13:50	76.8	75.2	0
20180726T135500	2018	07	26	13:55	75.5	74.3	0
20180726T140000	2018	07	26	14:00	74.4	78.5	0
20180726T140500	2018	07	26	14:05	76.2	75.7	0
20180726T141000	2018	07	26	14:10	76.7	72.7	0
20180726T141500	2018	07	26	14:15	77.2	74.3	0
20180726T142000	2018	07	26	14:20	77.3	69.1	0
20180726T142500	2018	07	26	14:25	77.1	70	0
20180726T143000	2018	07	26	14:30	77.8	70	0
20180726T143500	2018	07	26	14:35	77.7	65.9	0
20180726T144000	2018	07	26	14:40	77.3	65.9	0
20180726T144500	2018	07	26	14:45	77.7	66.8	0
20180726T145000	2018	07	26	14:50	78.5	66.3	0
20180726T145500	2018	07	26	14:55	78.3	66.4	0
20180726T150000	2018	07	26	15:00	77.9	66.5	0
20180726T150500	2018	07	26	15:05	77.7	67.7	0
20180726T151000	2018	07	26	15:10	77.7	68.8	0
20180726T151500	2018	07	26	15:15	77.8	66.5	0
20180726T152000	2018	07	26	15:20	79.1	63.4	0
20180726T152500	2018	07	26	15:25	78.3	64.7	0
20180726T153000	2018	07	26	15:30	78.4	63.2	0
20180726T153500	2018	07	26	15:35	78.5	62.7	0
20180726T154000	2018	07	26	15:40	78.3	61.5	0
20180726T154500	2018	07	26	15:45	78.7	62.6	0
20180726T155000	2018	07	26	15:50	79.3	62.8	0
20180726T155500	2018	07	26	15:55	79.3	61.7	0
20180726T160000	2018	07	26	16:00	79.2	60.3	0
20180726T160500	2018	07	26	16:05	78.8	60.7	0
20180726T161000	2018	07	26	16:10	79.4	61.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180726T161500	2018	07	26	16:15	79.4	57.6	0
20180726T162000	2018	07	26	16:20	77.7	58.1	0
20180726T162500	2018	07	26	16:25	76.9	60.1	0
20180726T163000	2018	07	26	16:30	78.1	59.7	0
20180726T163500	2018	07	26	16:35	77.3	60	0
20180726T164000	2018	07	26	16:40	79.2	60.6	0
20180726T164500	2018	07	26	16:45	79.4	58.9	0
20180726T165000	2018	07	26	16:50	78.9	55.4	0
20180726T165500	2018	07	26	16:55	77.4	58.6	0
20180726T170000	2018	07	26	17:00	79.4	58.8	0
20180726T170500	2018	07	26	17:05	79.5	59.3	0
20180726T171000	2018	07	26	17:10	79.2	60.2	0
20180726T171500	2018	07	26	17:15	79.1	60.9	0
20180726T172000	2018	07	26	17:20	77.8	61.1	0
20180726T172500	2018	07	26	17:25	76.4	62.5	0
20180726T173000	2018	07	26	17:30	76.7	63	0
20180726T173500	2018	07	26	17:35	77.9	62.6	0
20180726T174000	2018	07	26	17:40	77.6	63.4	0
20180726T174500	2018	07	26	17:45	76.4	66.5	0
20180726T175000	2018	07	26	17:50	76.4	69.3	0
20180726T175500	2018	07	26	17:55	77.5	66.8	0
20180726T180000	2018	07	26	18:00	75.7	70.7	0
20180726T180500	2018	07	26	18:05	75.3	72.4	0
20180726T181000	2018	07	26	18:10	76.4	70.4	0
20180726T181500	2018	07	26	18:15	77.8	67.4	0
20180726T182000	2018	07	26	18:20	78.2	66.7	0
20180726T182500	2018	07	26	18:25	77.8	69	0
20180726T183000	2018	07	26	18:30	77.3	68.5	0
20180726T183500	2018	07	26	18:35	77.5	68.5	0
20180726T184000	2018	07	26	18:40	77.3	66.8	0
20180726T184500	2018	07	26	18:45	76.1	70.9	0
20180726T185000	2018	07	26	18:50	75.3	73.9	0
20180726T185500	2018	07	26	18:55	75.6	72.9	0
20180726T190000	2018	07	26	19:00	75.6	72.5	0
20180726T190500	2018	07	26	19:05	75.3	74.7	0
20180726T191000	2018	07	26	19:10	75	75.1	0
20180726T191500	2018	07	26	19:15	74.7	74.8	0
20180726T192000	2018	07	26	19:20	74.5	75.5	0
20180726T192500	2018	07	26	19:25	74.8	70.8	0
20180726T193000	2018	07	26	19:30	74.8	70.3	0
20180726T193500	2018	07	26	19:35	74.7	72.3	0
20180726T194000	2018	07	26	19:40	74.4	74.8	0
20180726T194500	2018	07	26	19:45	74.8	72.7	0
20180726T195000	2018	07	26	19:50	74.7	73.6	0
20180726T195500	2018	07	26	19:55	74.4	74.2	0
20180726T200000	2018	07	26	20:00	74.1	74.9	0
20180726T200500	2018	07	26	20:05	73.9	75.7	0
20180726T201000	2018	07	26	20:10	73.7	76.3	0
20180726T201500	2018	07	26	20:15	73.4	76.8	0
20180726T202000	2018	07	26	20:20	73.4	77.6	0
20180726T202500	2018	07	26	20:25	73.3	77.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180726T203000	2018	07	26	20:30	73.4	75.9	0
20180726T203500	2018	07	26	20:35	73.2	76.3	0
20180726T204000	2018	07	26	20:40	73.4	74.8	0
20180726T204500	2018	07	26	20:45	73.2	74.9	0
20180726T205000	2018	07	26	20:50	73.2	74.7	0
20180726T205500	2018	07	26	20:55	73.3	74	0
20180726T210000	2018	07	26	21:00	73.2	73.8	0
20180726T210500	2018	07	26	21:05	73.1	74.8	0
20180726T211000	2018	07	26	21:10	73.2	75.3	0
20180726T211500	2018	07	26	21:15	73.1	75.9	0
20180726T212000	2018	07	26	21:20	73	77.1	0
20180726T212500	2018	07	26	21:25	73	77.5	0
20180726T213000	2018	07	26	21:30	72.9	78.2	0
20180726T213500	2018	07	26	21:35	73.1	77.6	0
20180726T214000	2018	07	26	21:40	73	77.7	0
20180726T214500	2018	07	26	21:45	72.9	77.8	0
20180726T215000	2018	07	26	21:50	72.8	78.2	0
20180726T215500	2018	07	26	21:55	72.7	78.9	0
20180726T220000	2018	07	26	22:00	72.5	79.5	0
20180726T220500	2018	07	26	22:05	72.4	81.2	0
20180726T221000	2018	07	26	22:10	72.5	83.1	0
20180726T221500	2018	07	26	22:15	72.4	84.3	0
20180726T222000	2018	07	26	22:20	72.6	84.1	0
20180726T222500	2018	07	26	22:25	72.9	84.2	0
20180726T223000	2018	07	26	22:30	72.8	84.5	0
20180726T223500	2018	07	26	22:35	72.5	86	0
20180726T224000	2018	07	26	22:40	72.5	85.8	0
20180726T224500	2018	07	26	22:45	72.3	86.8	0
20180726T225000	2018	07	26	22:50	72.1	88.1	0
20180726T225500	2018	07	26	22:55	72	88.6	0
20180726T230000	2018	07	26	23:00	71.9	89.5	0
20180726T230500	2018	07	26	23:05	71.6	91	0
20180726T231000	2018	07	26	23:10	71.5	91.8	0
20180726T231500	2018	07	26	23:15	71.4	92.6	0
20180726T232000	2018	07	26	23:20	71.5	92.6	0
20180726T232500	2018	07	26	23:25	71.2	93.8	0
20180726T233000	2018	07	26	23:30	71.1	94.7	0
20180726T233500	2018	07	26	23:35	71.2	94.7	0
20180726T234000	2018	07	26	23:40	70.9	95.5	0
20180726T234500	2018	07	26	23:45	70.9	95.6	0
20180726T235000	2018	07	26	23:50	70.9	95.6	0
20180726T235500	2018	07	26	23:55	70.9	95.3	0
20180727T000000	2018	07	27	00:00	70.6	96	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180417T000000	2018	04	17	00:00	29.3	100	0
20180417T000500	2018	04	17	00:05	29.4	100	0
20180417T001000	2018	04	17	00:10	29.5	100	0
20180417T001500	2018	04	17	00:15	29.5	100	0
20180417T002000	2018	04	17	00:20	29.5	100	0
20180417T002500	2018	04	17	00:25	29.4	100	0
20180417T003000	2018	04	17	00:30	29.4	100	0
20180417T003500	2018	04	17	00:35	29.4	100	0
20180417T004000	2018	04	17	00:40	29.3	100	0
20180417T004500	2018	04	17	00:45	29.5	100	0
20180417T005000	2018	04	17	00:50	29.6	100	0
20180417T005500	2018	04	17	00:55	30	100	0
20180417T010000	2018	04	17	01:00	30	100	0
20180417T010500	2018	04	17	01:05	30	99.1	0
20180417T011000	2018	04	17	01:10	29.9	100	0
20180417T011500	2018	04	17	01:15	29.9	100	0
20180417T012000	2018	04	17	01:20	29.9	100	0
20180417T012500	2018	04	17	01:25	29.8	100	0
20180417T013000	2018	04	17	01:30	29.9	99.6	0
20180417T013500	2018	04	17	01:35	29.8	99.4	0
20180417T014000	2018	04	17	01:40	29.8	99.9	0
20180417T014500	2018	04	17	01:45	29.8	99.7	0
20180417T015000	2018	04	17	01:50	29.8	99.7	0
20180417T015500	2018	04	17	01:55	30	98.8	0
20180417T020000	2018	04	17	02:00	30.1	97.5	0
20180417T020500	2018	04	17	02:05	30.1	97.5	0
20180417T021000	2018	04	17	02:10	30.3	95.6	0
20180417T021500	2018	04	17	02:15	30.3	95.7	0
20180417T022000	2018	04	17	02:20	30.2	96.4	0
20180417T022500	2018	04	17	02:25	30.2	96.7	0
20180417T023000	2018	04	17	02:30	30.3	96	0
20180417T023500	2018	04	17	02:35	30.3	94.6	0
20180417T024000	2018	04	17	02:40	30.3	95.2	0
20180417T024500	2018	04	17	02:45	30.4	94.3	0
20180417T025000	2018	04	17	02:50	30.4	94.6	0
20180417T025500	2018	04	17	02:55	30.4	94.4	0
20180417T030000	2018	04	17	03:00	30.4	94.8	0
20180417T030500	2018	04	17	03:05	30.3	95.5	0
20180417T031000	2018	04	17	03:10	30.4	93.9	0
20180417T031500	2018	04	17	03:15	30.6	92.3	0
20180417T032000	2018	04	17	03:20	30.5	92.9	0
20180417T032500	2018	04	17	03:25	30.6	92.7	0
20180417T033000	2018	04	17	03:30	30.5	93.9	0
20180417T033500	2018	04	17	03:35	30.5	94	0
20180417T034000	2018	04	17	03:40	30.4	94.9	0
20180417T034500	2018	04	17	03:45	30.5	93.4	0
20180417T035000	2018	04	17	03:50	30.5	93.1	0
20180417T035500	2018	04	17	03:55	30.4	94.3	0
20180417T040000	2018	04	17	04:00	30.4	95.1	0
20180417T040500	2018	04	17	04:05	30.4	95.4	0
20180417T041000	2018	04	17	04:10	30.4	95.6	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180417T041500	2018	04	17	04:15	30.2	97.5	0
20180417T042000	2018	04	17	04:20	30.2	97.8	0
20180417T042500	2018	04	17	04:25	30.2	98	0
20180417T043000	2018	04	17	04:30	30.2	98.6	0
20180417T043500	2018	04	17	04:35	30.1	99.9	0
20180417T044000	2018	04	17	04:40	30.2	99.4	0
20180417T044500	2018	04	17	04:45	30.2	99	0
20180417T045000	2018	04	17	04:50	30.1	99.6	0
20180417T045500	2018	04	17	04:55	30	100	0
20180417T050000	2018	04	17	05:00	29.7	100	0
20180417T050500	2018	04	17	05:05	29.5	100	0
20180417T051000	2018	04	17	05:10	29.3	100	0
20180417T051500	2018	04	17	05:15	29.2	100	0
20180417T052000	2018	04	17	05:20	29.2	100	0
20180417T052500	2018	04	17	05:25	29.3	100	0
20180417T053000	2018	04	17	05:30	29.3	100	0
20180417T053500	2018	04	17	05:35	29.2	100	0
20180417T054000	2018	04	17	05:40	29.2	100	0
20180417T054500	2018	04	17	05:45	29.2	100	0
20180417T055000	2018	04	17	05:50	29.2	100	0
20180417T055500	2018	04	17	05:55	29.2	100	0
20180417T060000	2018	04	17	06:00	29.3	100	0
20180417T060500	2018	04	17	06:05	29.3	100	0
20180417T061000	2018	04	17	06:10	29.3	100	0
20180417T061500	2018	04	17	06:15	29.3	100	0
20180417T062000	2018	04	17	06:20	29.4	100	0
20180417T062500	2018	04	17	06:25	29.4	100	0
20180417T063000	2018	04	17	06:30	29.4	100	0
20180417T063500	2018	04	17	06:35	29.4	100	0
20180417T064000	2018	04	17	06:40	29.3	100	0.01
20180417T064500	2018	04	17	06:45	29.1	100	0
20180417T065000	2018	04	17	06:50	29	100	0
20180417T065500	2018	04	17	06:55	29	100	0
20180417T070000	2018	04	17	07:00	29	100	0
20180417T070500	2018	04	17	07:05	29	100	0
20180417T071000	2018	04	17	07:10	29.2	100	0
20180417T071500	2018	04	17	07:15	29.3	100	0
20180417T072000	2018	04	17	07:20	29.3	100	0
20180417T072500	2018	04	17	07:25	29.4	100	0
20180417T073000	2018	04	17	07:30	29.5	98.5	0
20180417T073500	2018	04	17	07:35	29.4	98.4	0
20180417T074000	2018	04	17	07:40	29.4	97.3	0
20180417T074500	2018	04	17	07:45	29.4	97.2	0
20180417T075000	2018	04	17	07:50	29.4	97.6	0
20180417T075500	2018	04	17	07:55	29.3	98.2	0
20180417T080000	2018	04	17	08:00	29.1	99.3	0
20180417T080500	2018	04	17	08:05	29	100	0
20180417T081000	2018	04	17	08:10	28.9	100	0
20180417T081500	2018	04	17	08:15	28.7	100	0
20180417T082000	2018	04	17	08:20	28.6	100	0
20180417T082500	2018	04	17	08:25	28.5	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180417T083000	2018	04	17	08:30	28.6	100	0
20180417T083500	2018	04	17	08:35	28.7	100	0
20180417T084000	2018	04	17	08:40	28.7	100	0
20180417T084500	2018	04	17	08:45	28.6	100	0
20180417T085000	2018	04	17	08:50	28.7	99.8	0
20180417T085500	2018	04	17	08:55	28.8	99	0
20180417T090000	2018	04	17	09:00	29	95.3	0
20180417T090500	2018	04	17	09:05	29.2	92.9	0
20180417T091000	2018	04	17	09:10	29.3	93.3	0
20180417T091500	2018	04	17	09:15	29.3	92.5	0
20180417T092000	2018	04	17	09:20	29.7	89.8	0
20180417T092500	2018	04	17	09:25	29.6	87.5	0
20180417T093000	2018	04	17	09:30	29.6	88.2	0
20180417T093500	2018	04	17	09:35	29.6	87.4	0
20180417T094000	2018	04	17	09:40	29.9	85.7	0
20180417T094500	2018	04	17	09:45	30	78.8	0
20180417T095000	2018	04	17	09:50	29.8	77.2	0
20180417T095500	2018	04	17	09:55	29.6	76.7	0
20180417T100000	2018	04	17	10:00	29.6	76.6	0
20180417T100500	2018	04	17	10:05	29.6	75.2	0
20180417T101000	2018	04	17	10:10	29.8	73.1	0
20180417T101500	2018	04	17	10:15	30.1	70.9	0
20180417T102000	2018	04	17	10:20	30.4	71.7	0
20180417T102500	2018	04	17	10:25	30.4	70.3	0
20180417T103000	2018	04	17	10:30	30.3	70.5	0
20180417T103500	2018	04	17	10:35	30.3	71.7	0
20180417T104000	2018	04	17	10:40	29.9	70	0
20180417T104500	2018	04	17	10:45	30	72.1	0
20180417T105000	2018	04	17	10:50	29.7	70.2	0
20180417T105500	2018	04	17	10:55	29.8	72	0
20180417T110000	2018	04	17	11:00	30	71.6	0
20180417T110500	2018	04	17	11:05	29.8	72.5	0
20180417T111000	2018	04	17	11:10	29.6	73.8	0
20180417T111500	2018	04	17	11:15	29.6	75.3	0
20180417T112000	2018	04	17	11:20	29.6	76.3	0
20180417T112500	2018	04	17	11:25	29.4	77.4	0
20180417T113000	2018	04	17	11:30	29.2	78.9	0
20180417T113500	2018	04	17	11:35	29.5	79.9	0
20180417T114000	2018	04	17	11:40	29.5	80.9	0
20180417T114500	2018	04	17	11:45	29.2	82.5	0
20180417T115000	2018	04	17	11:50	29	82.6	0
20180417T115500	2018	04	17	11:55	29	83.7	0
20180417T120000	2018	04	17	12:00	29.2	85.4	0
20180417T120500	2018	04	17	12:05	29.1	83.6	0
20180417T121000	2018	04	17	12:10	29.3	83.3	0
20180417T121500	2018	04	17	12:15	29.3	84.3	0
20180417T122000	2018	04	17	12:20	29.4	86.5	0
20180417T122500	2018	04	17	12:25	29.4	87.6	0
20180417T123000	2018	04	17	12:30	29.2	89.9	0
20180417T123500	2018	04	17	12:35	29	94.3	0
20180417T124000	2018	04	17	12:40	28.9	95.7	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180417T124500	2018	04	17	12:45	28.9	97	0
20180417T125000	2018	04	17	12:50	29	97.2	0
20180417T125500	2018	04	17	12:55	29.4	97.8	0
20180417T130000	2018	04	17	13:00	29.5	97.8	0
20180417T130500	2018	04	17	13:05	29.5	97	0
20180417T131000	2018	04	17	13:10	29.4	96.4	0
20180417T131500	2018	04	17	13:15	29.7	98.4	0
20180417T132000	2018	04	17	13:20	29.7	96.7	0
20180417T132500	2018	04	17	13:25	29.7	95.1	0
20180417T133000	2018	04	17	13:30	29.7	96	0
20180417T133500	2018	04	17	13:35	29.9	94.9	0
20180417T134000	2018	04	17	13:40	29.7	95.1	0
20180417T134500	2018	04	17	13:45	29.7	96.4	0
20180417T135000	2018	04	17	13:50	30	98	0
20180417T135500	2018	04	17	13:55	29.7	98.4	0
20180417T140000	2018	04	17	14:00	29.8	100	0
20180417T140500	2018	04	17	14:05	30	100	0
20180417T141000	2018	04	17	14:10	29.8	100	0
20180417T141500	2018	04	17	14:15	29.9	100	0
20180417T142000	2018	04	17	14:20	30	98.6	0
20180417T142500	2018	04	17	14:25	29.8	100	0
20180417T143000	2018	04	17	14:30	29.1	100	0.01
20180417T143500	2018	04	17	14:35	28.8	100	0
20180417T144000	2018	04	17	14:40	28.8	100	0
20180417T144500	2018	04	17	14:45	28.6	100	0
20180417T145000	2018	04	17	14:50	28.5	100	0
20180417T145500	2018	04	17	14:55	28.5	100	0
20180417T150000	2018	04	17	15:00	28.7	100	0
20180417T150500	2018	04	17	15:05	28.7	100	0
20180417T151000	2018	04	17	15:10	28.7	100	0
20180417T151500	2018	04	17	15:15	28.7	100	0
20180417T152000	2018	04	17	15:20	28.8	100	0
20180417T152500	2018	04	17	15:25	28.9	100	0
20180417T153000	2018	04	17	15:30	29	100	0
20180417T153500	2018	04	17	15:35	29	100	0
20180417T154000	2018	04	17	15:40	29	100	0
20180417T154500	2018	04	17	15:45	29	100	0
20180417T155000	2018	04	17	15:50	28.9	100	0
20180417T155500	2018	04	17	15:55	28.9	100	0
20180417T160000	2018	04	17	16:00	29	100	0
20180417T160500	2018	04	17	16:05	28.9	100	0
20180417T161000	2018	04	17	16:10	28.8	100	0
20180417T161500	2018	04	17	16:15	28.4	100	0.01
20180417T162000	2018	04	17	16:20	27.5	100	0.01
20180417T162500	2018	04	17	16:25	27.1	100	0
20180417T163000	2018	04	17	16:30	27.3	100	0
20180417T163500	2018	04	17	16:35	27.3	100	0
20180417T164000	2018	04	17	16:40	27.4	100	0
20180417T164500	2018	04	17	16:45	27.4	100	0.01
20180417T165000	2018	04	17	16:50	27.5	100	0
20180417T165500	2018	04	17	16:55	27.5	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180417T170000	2018	04	17	17:00	27.6	100	0
20180417T170500	2018	04	17	17:05	27.5	100	0
20180417T171000	2018	04	17	17:10	27.5	100	0
20180417T171500	2018	04	17	17:15	27.5	100	0
20180417T172000	2018	04	17	17:20	27.6	100	0
20180417T172500	2018	04	17	17:25	27.7	100	0
20180417T173000	2018	04	17	17:30	27.7	100	0
20180417T173500	2018	04	17	17:35	27.8	100	0
20180417T174000	2018	04	17	17:40	27.8	100	0
20180417T174500	2018	04	17	17:45	27.8	100	0
20180417T175000	2018	04	17	17:50	28	100	0
20180417T175500	2018	04	17	17:55	28	100	0
20180417T180000	2018	04	17	18:00	27.2	100	0.01
20180417T180500	2018	04	17	18:05	26.2	100	0.01
20180417T181000	2018	04	17	18:10	27.1	100	0
20180417T181500	2018	04	17	18:15	27.6	99.4	0
20180417T182000	2018	04	17	18:20	27.7	97.1	0
20180417T182500	2018	04	17	18:25	27.7	96.4	0
20180417T183000	2018	04	17	18:30	27.8	95.8	0
20180417T183500	2018	04	17	18:35	28	93.4	0
20180417T184000	2018	04	17	18:40	28.2	88.5	0
20180417T184500	2018	04	17	18:45	28.3	89.5	0
20180417T185000	2018	04	17	18:50	28.4	89.8	0
20180417T185500	2018	04	17	18:55	28.4	90.1	0
20180417T190000	2018	04	17	19:00	28.1	88.7	0
20180417T190500	2018	04	17	19:05	27.9	87.6	0
20180417T191000	2018	04	17	19:10	27.7	86.5	0
20180417T191500	2018	04	17	19:15	27.5	85.4	0
20180417T192000	2018	04	17	19:20	27.4	84.6	0
20180417T192500	2018	04	17	19:25	27.4	82.3	0
20180417T193000	2018	04	17	19:30	27.3	80.4	0
20180417T193500	2018	04	17	19:35	27.3	78.5	0
20180417T194000	2018	04	17	19:40	27.2	78.1	0
20180417T194500	2018	04	17	19:45	27.1	79.5	0
20180417T195000	2018	04	17	19:50	27.1	79.1	0
20180417T195500	2018	04	17	19:55	27	78.3	0
20180417T200000	2018	04	17	20:00	26.8	78.5	0
20180417T200500	2018	04	17	20:05	26.7	76.2	0
20180417T201000	2018	04	17	20:10	26.6	75.6	0
20180417T201500	2018	04	17	20:15	26.6	75	0
20180417T202000	2018	04	17	20:20	26.5	75	0
20180417T202500	2018	04	17	20:25	26.5	75.9	0
20180417T203000	2018	04	17	20:30	26.4	76.5	0
20180417T203500	2018	04	17	20:35	26.2	73.8	0
20180417T204000	2018	04	17	20:40	26.1	73	0
20180417T204500	2018	04	17	20:45	26.1	72.5	0
20180417T205000	2018	04	17	20:50	26.1	73.4	0
20180417T205500	2018	04	17	20:55	26.1	73.8	0
20180417T210000	2018	04	17	21:00	26	74.4	0
20180417T210500	2018	04	17	21:05	26	75.5	0
20180417T211000	2018	04	17	21:10	25.9	76.5	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180417T211500	2018	04	17	21:15	25.9	77.3	0
20180417T212000	2018	04	17	21:20	26	77.8	0
20180417T212500	2018	04	17	21:25	26	78.2	0
20180417T213000	2018	04	17	21:30	25.9	79.1	0
20180417T213500	2018	04	17	21:35	26	79.5	0
20180417T214000	2018	04	17	21:40	25.9	80.6	0
20180417T214500	2018	04	17	21:45	25.9	81.7	0
20180417T215000	2018	04	17	21:50	25.9	82.3	0
20180417T215500	2018	04	17	21:55	25.9	82.9	0
20180417T220000	2018	04	17	22:00	25.9	83.9	0
20180417T220500	2018	04	17	22:05	25.9	84.4	0
20180417T221000	2018	04	17	22:10	26	83.8	0
20180417T221500	2018	04	17	22:15	26	83.7	0
20180417T222000	2018	04	17	22:20	26	84.8	0
20180417T222500	2018	04	17	22:25	26	84.8	0
20180417T223000	2018	04	17	22:30	26.1	84.7	0
20180417T223500	2018	04	17	22:35	26.1	85.2	0
20180417T224000	2018	04	17	22:40	26	86.2	0
20180417T224500	2018	04	17	22:45	26	86.6	0
20180417T225000	2018	04	17	22:50	26	87.7	0
20180417T225500	2018	04	17	22:55	26.1	87.7	0
20180417T230000	2018	04	17	23:00	26	88.5	0
20180417T230500	2018	04	17	23:05	26	89.4	0
20180417T231000	2018	04	17	23:10	26.1	89.7	0
20180417T231500	2018	04	17	23:15	26	90.9	0
20180417T232000	2018	04	17	23:20	26.1	91.3	0
20180417T232500	2018	04	17	23:25	26	92.3	0
20180417T233000	2018	04	17	23:30	26	93.2	0
20180417T233500	2018	04	17	23:35	26.1	93.2	0
20180417T234000	2018	04	17	23:40	26.1	93.1	0
20180417T234500	2018	04	17	23:45	26.1	93.6	0
20180417T235000	2018	04	17	23:50	26.2	93.7	0
20180417T235500	2018	04	17	23:55	26.2	94.2	0
20180418T000000	2018	04	18	00:00	26.2	94.3	0
20180418T000500	2018	04	18	00:05	26.3	94.6	0
20180418T001000	2018	04	18	00:10	26.4	94.3	0
20180418T001500	2018	04	18	00:15	26.3	95	0
20180418T002000	2018	04	18	00:20	26.3	96.1	0
20180418T002500	2018	04	18	00:25	26.4	96.2	0
20180418T003000	2018	04	18	00:30	26.4	96.8	0
20180418T003500	2018	04	18	00:35	26.5	97.5	0
20180418T004000	2018	04	18	00:40	26.5	98.3	0
20180418T004500	2018	04	18	00:45	26.5	98.8	0
20180418T005000	2018	04	18	00:50	26.5	99.3	0
20180418T005500	2018	04	18	00:55	26.5	99.9	0
20180418T010000	2018	04	18	01:00	26.6	100	0
20180418T010500	2018	04	18	01:05	26.7	100	0
20180418T011000	2018	04	18	01:10	26.7	100	0
20180418T011500	2018	04	18	01:15	26.7	100	0
20180418T012000	2018	04	18	01:20	26.8	100	0
20180418T012500	2018	04	18	01:25	26.8	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180418T013000	2018	04	18	01:30	26.9	100	0
20180418T013500	2018	04	18	01:35	26.8	100	0
20180418T014000	2018	04	18	01:40	26.8	100	0
20180418T014500	2018	04	18	01:45	26.8	100	0
20180418T015000	2018	04	18	01:50	26.8	100	0
20180418T015500	2018	04	18	01:55	26.8	100	0
20180418T020000	2018	04	18	02:00	26.8	100	0
20180418T020500	2018	04	18	02:05	26.9	100	0
20180418T021000	2018	04	18	02:10	27.1	100	0
20180418T021500	2018	04	18	02:15	27.2	100	0
20180418T022000	2018	04	18	02:20	27.4	100	0
20180418T022500	2018	04	18	02:25	27.4	100	0
20180418T023000	2018	04	18	02:30	27.6	100	0
20180418T023500	2018	04	18	02:35	27.6	100	0
20180418T024000	2018	04	18	02:40	27.7	100	0
20180418T024500	2018	04	18	02:45	27.7	100	0
20180418T025000	2018	04	18	02:50	27.7	100	0
20180418T025500	2018	04	18	02:55	27.8	100	0
20180418T030000	2018	04	18	03:00	28	100	0
20180418T030500	2018	04	18	03:05	28.1	100	0
20180418T031000	2018	04	18	03:10	28.2	100	0
20180418T031500	2018	04	18	03:15	28.3	100	0
20180418T032000	2018	04	18	03:20	28.4	100	0
20180418T032500	2018	04	18	03:25	28.4	100	0
20180418T033000	2018	04	18	03:30	28.3	100	0
20180418T033500	2018	04	18	03:35	28.4	100	0
20180418T034000	2018	04	18	03:40	28.4	100	0
20180418T034500	2018	04	18	03:45	28.4	100	0
20180418T035000	2018	04	18	03:50	28.5	100	0
20180418T035500	2018	04	18	03:55	28.5	100	0
20180418T040000	2018	04	18	04:00	28.5	100	0
20180418T040500	2018	04	18	04:05	28.6	100	0
20180418T041000	2018	04	18	04:10	28.6	100	0
20180418T041500	2018	04	18	04:15	28.6	100	0
20180418T042000	2018	04	18	04:20	28.8	100	0
20180418T042500	2018	04	18	04:25	28.8	100	0
20180418T043000	2018	04	18	04:30	28.8	100	0
20180418T043500	2018	04	18	04:35	28.9	99.7	0
20180418T044000	2018	04	18	04:40	28.9	98.8	0
20180418T044500	2018	04	18	04:45	28.9	98.7	0
20180418T045000	2018	04	18	04:50	28.9	98.4	0
20180418T045500	2018	04	18	04:55	29	97.5	0
20180418T050000	2018	04	18	05:00	29	97.1	0
20180418T050500	2018	04	18	05:05	29	96.9	0
20180418T051000	2018	04	18	05:10	29.1	96.4	0
20180418T051500	2018	04	18	05:15	29.1	96.2	0
20180418T052000	2018	04	18	05:20	29.1	96.1	0
20180418T052500	2018	04	18	05:25	29.1	95.7	0
20180418T053000	2018	04	18	05:30	29	96.3	0
20180418T053500	2018	04	18	05:35	29.1	95.7	0
20180418T054000	2018	04	18	05:40	29.1	96.1	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180418T054500	2018	04	18	05:45	29.1	96.4	0
20180418T055000	2018	04	18	05:50	29	97.1	0
20180418T055500	2018	04	18	05:55	29	97.4	0
20180418T060000	2018	04	18	06:00	29	97.1	0
20180418T060500	2018	04	18	06:05	29	97.3	0
20180418T061000	2018	04	18	06:10	29	97.3	0
20180418T061500	2018	04	18	06:15	29	96.6	0
20180418T062000	2018	04	18	06:20	29	96.1	0
20180418T062500	2018	04	18	06:25	29.1	95.4	0
20180418T063000	2018	04	18	06:30	29.1	94.7	0
20180418T063500	2018	04	18	06:35	29.1	94.3	0
20180418T064000	2018	04	18	06:40	29.1	94.1	0
20180418T064500	2018	04	18	06:45	29.1	94.4	0
20180418T065000	2018	04	18	06:50	29.1	94	0
20180418T065500	2018	04	18	06:55	29.1	93.4	0
20180418T070000	2018	04	18	07:00	29.1	92.9	0
20180418T070500	2018	04	18	07:05	29.1	92.5	0
20180418T071000	2018	04	18	07:10	29.2	90.7	0
20180418T071500	2018	04	18	07:15	29.2	90.3	0
20180418T072000	2018	04	18	07:20	29.1	90.4	0
20180418T072500	2018	04	18	07:25	29.1	90.3	0
20180418T073000	2018	04	18	07:30	29.1	90.4	0
20180418T073500	2018	04	18	07:35	29.1	89.9	0
20180418T074000	2018	04	18	07:40	29.1	90.3	0
20180418T074500	2018	04	18	07:45	29.1	89.7	0
20180418T075000	2018	04	18	07:50	29.1	90.4	0
20180418T075500	2018	04	18	07:55	29.1	90.2	0
20180418T080000	2018	04	18	08:00	29.1	89.9	0
20180418T080500	2018	04	18	08:05	29.2	89	0
20180418T081000	2018	04	18	08:10	29.2	89.4	0
20180418T081500	2018	04	18	08:15	29.2	89.5	0
20180418T082000	2018	04	18	08:20	29.3	89.2	0
20180418T082500	2018	04	18	08:25	29.4	89	0
20180418T083000	2018	04	18	08:30	29.4	88.5	0
20180418T083500	2018	04	18	08:35	29.4	88.6	0
20180418T084000	2018	04	18	08:40	29.5	88.6	0
20180418T084500	2018	04	18	08:45	29.6	87.6	0
20180418T085000	2018	04	18	08:50	29.7	87.6	0
20180418T085500	2018	04	18	08:55	29.9	86.6	0
20180418T090000	2018	04	18	09:00	30	86.3	0
20180418T090500	2018	04	18	09:05	30	86	0
20180418T091000	2018	04	18	09:10	30	86.1	0
20180418T091500	2018	04	18	09:15	30.1	86.5	0
20180418T092000	2018	04	18	09:20	30.1	86.7	0
20180418T092500	2018	04	18	09:25	30.2	87.2	0
20180418T093000	2018	04	18	09:30	30.4	86.3	0
20180418T093500	2018	04	18	09:35	30.5	85.3	0
20180418T094000	2018	04	18	09:40	30.6	85.3	0
20180418T094500	2018	04	18	09:45	30.7	84.4	0
20180418T095000	2018	04	18	09:50	30.8	84.2	0
20180418T095500	2018	04	18	09:55	31.1	83.7	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180418T100000	2018	04	18	10:00	31.3	82.7	0
20180418T100500	2018	04	18	10:05	31.5	82.8	0
20180418T101000	2018	04	18	10:10	31.5	82.4	0
20180418T101500	2018	04	18	10:15	31.6	82.4	0
20180418T102000	2018	04	18	10:20	31.7	81.2	0
20180418T102500	2018	04	18	10:25	31.8	80.4	0
20180418T103000	2018	04	18	10:30	31.9	80.1	0
20180418T103500	2018	04	18	10:35	32	79.1	0
20180418T104000	2018	04	18	10:40	32.4	77.7	0
20180418T104500	2018	04	18	10:45	32.8	75.4	0
20180418T105000	2018	04	18	10:50	32.8	74.9	0
20180418T105500	2018	04	18	10:55	33.2	73.2	0
20180418T110000	2018	04	18	11:00	33.4	74.3	0
20180418T110500	2018	04	18	11:05	33.4	73.8	0
20180418T111000	2018	04	18	11:10	33.5	72.8	0
20180418T111500	2018	04	18	11:15	33.4	73.6	0
20180418T112000	2018	04	18	11:20	33.4	73.3	0
20180418T112500	2018	04	18	11:25	33.4	73.8	0
20180418T113000	2018	04	18	11:30	33.7	72.4	0
20180418T113500	2018	04	18	11:35	33.8	71.2	0
20180418T114000	2018	04	18	11:40	33.8	72.5	0
20180418T114500	2018	04	18	11:45	33.7	72.2	0
20180418T115000	2018	04	18	11:50	33.7	72	0
20180418T115500	2018	04	18	11:55	33.9	71.8	0
20180418T120000	2018	04	18	12:00	34.1	71.2	0
20180418T120500	2018	04	18	12:05	34.1	70.7	0
20180418T121000	2018	04	18	12:10	34.1	71.3	0
20180418T121500	2018	04	18	12:15	33.9	72.6	0
20180418T122000	2018	04	18	12:20	34	72.7	0
20180418T122500	2018	04	18	12:25	33.8	73.4	0
20180418T123000	2018	04	18	12:30	33.9	73.4	0
20180418T123500	2018	04	18	12:35	33.8	73.5	0
20180418T124000	2018	04	18	12:40	33.9	74	0
20180418T124500	2018	04	18	12:45	34	72.7	0
20180418T125000	2018	04	18	12:50	33.7	71.5	0
20180418T125500	2018	04	18	12:55	33.8	72.4	0
20180418T130000	2018	04	18	13:00	33.9	71.9	0
20180418T130500	2018	04	18	13:05	34	72.6	0
20180418T131000	2018	04	18	13:10	34.2	73.2	0
20180418T131500	2018	04	18	13:15	34.2	73.1	0
20180418T132000	2018	04	18	13:20	34.2	73.6	0
20180418T132500	2018	04	18	13:25	34	73	0
20180418T133000	2018	04	18	13:30	34	73.2	0
20180418T133500	2018	04	18	13:35	34.1	73.3	0
20180418T134000	2018	04	18	13:40	34	72.9	0
20180418T134500	2018	04	18	13:45	33.9	73.1	0
20180418T135000	2018	04	18	13:50	33.8	72.6	0
20180418T135500	2018	04	18	13:55	33.9	72.5	0
20180418T140000	2018	04	18	14:00	34.1	73.1	0
20180418T140500	2018	04	18	14:05	34.1	73.1	0
20180418T141000	2018	04	18	14:10	34.1	74.3	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180418T141500	2018	04	18	14:15	34.1	73.5	0
20180418T142000	2018	04	18	14:20	34.3	73.8	0
20180418T142500	2018	04	18	14:25	34.2	72.9	0
20180418T143000	2018	04	18	14:30	34.4	73.9	0
20180418T143500	2018	04	18	14:35	34.5	74.4	0
20180418T144000	2018	04	18	14:40	34.4	73.5	0
20180418T144500	2018	04	18	14:45	34.3	72.7	0
20180418T145000	2018	04	18	14:50	34.5	73.5	0
20180418T145500	2018	04	18	14:55	34.3	73	0
20180418T150000	2018	04	18	15:00	34.4	73.7	0
20180418T150500	2018	04	18	15:05	34.5	74.6	0
20180418T151000	2018	04	18	15:10	34.2	73.4	0
20180418T151500	2018	04	18	15:15	34.2	73.4	0
20180418T152000	2018	04	18	15:20	34.1	73.6	0
20180418T152500	2018	04	18	15:25	34.2	74.2	0
20180418T153000	2018	04	18	15:30	34.2	74.1	0
20180418T153500	2018	04	18	15:35	34.2	74.4	0
20180418T154000	2018	04	18	15:40	34.2	75	0
20180418T154500	2018	04	18	15:45	34.3	74.9	0
20180418T155000	2018	04	18	15:50	34.2	74.8	0
20180418T155500	2018	04	18	15:55	34.3	74.3	0
20180418T160000	2018	04	18	16:00	34.4	74	0
20180418T160500	2018	04	18	16:05	34.3	73	0
20180418T161000	2018	04	18	16:10	34.5	73	0
20180418T161500	2018	04	18	16:15	34.8	74.8	0
20180418T162000	2018	04	18	16:20	35	74.4	0
20180418T162500	2018	04	18	16:25	34.7	73.5	0
20180418T163000	2018	04	18	16:30	34.8	73.4	0
20180418T163500	2018	04	18	16:35	34.7	72.4	0
20180418T164000	2018	04	18	16:40	34.7	73.2	0
20180418T164500	2018	04	18	16:45	34.8	73.5	0
20180418T165000	2018	04	18	16:50	34.9	74	0
20180418T165500	2018	04	18	16:55	34.8	73.9	0
20180418T170000	2018	04	18	17:00	34.8	73.3	0
20180418T170500	2018	04	18	17:05	34.8	73.4	0
20180418T171000	2018	04	18	17:10	35	73.6	0
20180418T171500	2018	04	18	17:15	34.9	73.2	0
20180418T172000	2018	04	18	17:20	34.9	72.3	0
20180418T172500	2018	04	18	17:25	34.8	72.3	0
20180418T173000	2018	04	18	17:30	34.8	73.7	0
20180418T173500	2018	04	18	17:35	34.7	74.5	0
20180418T174000	2018	04	18	17:40	34.6	75.1	0
20180418T174500	2018	04	18	17:45	34.4	74.6	0
20180418T175000	2018	04	18	17:50	34.3	75	0
20180418T175500	2018	04	18	17:55	34.4	74.6	0
20180418T180000	2018	04	18	18:00	34.4	74.7	0
20180418T180500	2018	04	18	18:05	34.3	74.8	0
20180418T181000	2018	04	18	18:10	34.1	75.5	0
20180418T181500	2018	04	18	18:15	34	75	0
20180418T182000	2018	04	18	18:20	34	76.2	0
20180418T182500	2018	04	18	18:25	34	75.8	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180418T183000	2018	04	18	18:30	33.9	76	0
20180418T183500	2018	04	18	18:35	33.9	76.3	0
20180418T184000	2018	04	18	18:40	33.9	77.3	0
20180418T184500	2018	04	18	18:45	33.9	76.7	0
20180418T185000	2018	04	18	18:50	33.7	76.2	0
20180418T185500	2018	04	18	18:55	33.6	76.8	0
20180418T190000	2018	04	18	19:00	33.5	78.2	0
20180418T190500	2018	04	18	19:05	33.5	78	0
20180418T191000	2018	04	18	19:10	33.4	78.9	0
20180418T191500	2018	04	18	19:15	33.3	78.5	0
20180418T192000	2018	04	18	19:20	33.3	79.6	0
20180418T192500	2018	04	18	19:25	33.2	80	0
20180418T193000	2018	04	18	19:30	33.1	80.5	0
20180418T193500	2018	04	18	19:35	33.1	81.2	0
20180418T194000	2018	04	18	19:40	33	81.7	0
20180418T194500	2018	04	18	19:45	32.9	82.3	0
20180418T195000	2018	04	18	19:50	32.8	82.3	0
20180418T195500	2018	04	18	19:55	32.7	81.6	0
20180418T200000	2018	04	18	20:00	32.7	80.9	0
20180418T200500	2018	04	18	20:05	32.6	81.1	0
20180418T201000	2018	04	18	20:10	32.5	81.5	0
20180418T201500	2018	04	18	20:15	32.5	82.2	0
20180418T202000	2018	04	18	20:20	32.4	83.1	0
20180418T202500	2018	04	18	20:25	32.3	82.4	0
20180418T203000	2018	04	18	20:30	32.2	83.4	0
20180418T203500	2018	04	18	20:35	32.2	83.3	0
20180418T204000	2018	04	18	20:40	32.1	83.2	0
20180418T204500	2018	04	18	20:45	32	84.7	0
20180418T205000	2018	04	18	20:50	32	83.8	0
20180418T205500	2018	04	18	20:55	31.9	84.1	0
20180418T210000	2018	04	18	21:00	31.8	83.9	0
20180418T210500	2018	04	18	21:05	31.6	84.4	0
20180418T211000	2018	04	18	21:10	31.3	85.8	0
20180418T211500	2018	04	18	21:15	31.2	86.7	0
20180418T212000	2018	04	18	21:20	31.1	87.5	0
20180418T212500	2018	04	18	21:25	31.1	87.5	0
20180418T213000	2018	04	18	21:30	30.9	88.2	0
20180418T213500	2018	04	18	21:35	30.3	89.9	0
20180418T214000	2018	04	18	21:40	30.4	91.3	0
20180418T214500	2018	04	18	21:45	30.3	91.9	0
20180418T215000	2018	04	18	21:50	30.3	92.7	0
20180418T215500	2018	04	18	21:55	30.1	92.8	0
20180418T220000	2018	04	18	22:00	29.9	93.9	0
20180418T220500	2018	04	18	22:05	29.9	94.9	0
20180418T221000	2018	04	18	22:10	29.8	96.1	0
20180418T221500	2018	04	18	22:15	30	96.2	0
20180418T222000	2018	04	18	22:20	30.1	96	0
20180418T222500	2018	04	18	22:25	30.1	96.5	0
20180418T223000	2018	04	18	22:30	30.2	96.1	0
20180418T223500	2018	04	18	22:35	30.3	94.4	0
20180418T224000	2018	04	18	22:40	30.4	94	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180418T224500	2018	04	18	22:45	30.4	93.9	0
20180418T225000	2018	04	18	22:50	30.4	94.3	0
20180418T225500	2018	04	18	22:55	30.4	94.3	0
20180418T230000	2018	04	18	23:00	30.5	93.2	0
20180418T230500	2018	04	18	23:05	30.5	92.2	0
20180418T231000	2018	04	18	23:10	30.2	95.5	0
20180418T231500	2018	04	18	23:15	29.4	100	0
20180418T232000	2018	04	18	23:20	28.8	100	0
20180418T232500	2018	04	18	23:25	28.8	100	0
20180418T233000	2018	04	18	23:30	28.7	100	0
20180418T233500	2018	04	18	23:35	28.7	100	0
20180418T234000	2018	04	18	23:40	28.8	100	0
20180418T234500	2018	04	18	23:45	29	100	0
20180418T235000	2018	04	18	23:50	29.3	100	0
20180418T235500	2018	04	18	23:55	29.6	100	0
20180419T000000	2018	04	19	00:00	29.6	100	0
20180419T000500	2018	04	19	00:05	29.6	100	0
20180419T001000	2018	04	19	00:10	29.4	100	0
20180419T001500	2018	04	19	00:15	29.4	100	0
20180419T002000	2018	04	19	00:20	29.4	100	0
20180419T002500	2018	04	19	00:25	29.5	100	0
20180419T003000	2018	04	19	00:30	29.6	99.8	0
20180419T003500	2018	04	19	00:35	29.6	98.1	0
20180419T004000	2018	04	19	00:40	29.7	95.3	0
20180419T004500	2018	04	19	00:45	29.6	94.8	0
20180419T005000	2018	04	19	00:50	29.3	95.1	0
20180419T005500	2018	04	19	00:55	29	96	0
20180419T010000	2018	04	19	01:00	29	97.7	0
20180419T010500	2018	04	19	01:05	28.8	98	0
20180419T011000	2018	04	19	01:10	28.4	99.9	0
20180419T011500	2018	04	19	01:15	28.5	100	0
20180419T012000	2018	04	19	01:20	28.6	100	0
20180419T012500	2018	04	19	01:25	28.5	99.9	0
20180419T013000	2018	04	19	01:30	28.6	100	0
20180419T013500	2018	04	19	01:35	28.7	100	0
20180419T014000	2018	04	19	01:40	28.7	100	0
20180419T014500	2018	04	19	01:45	28.7	100	0
20180419T015000	2018	04	19	01:50	28.6	100	0
20180419T015500	2018	04	19	01:55	28.8	100	0
20180419T020000	2018	04	19	02:00	28.8	100	0
20180419T020500	2018	04	19	02:05	28.6	100	0
20180419T021000	2018	04	19	02:10	28.6	100	0
20180419T021500	2018	04	19	02:15	28.7	100	0
20180419T022000	2018	04	19	02:20	28.7	100	0
20180419T022500	2018	04	19	02:25	28.7	100	0
20180419T023000	2018	04	19	02:30	28.7	100	0
20180419T023500	2018	04	19	02:35	28.5	100	0
20180419T024000	2018	04	19	02:40	28.4	100	0
20180419T024500	2018	04	19	02:45	28.4	100	0
20180419T025000	2018	04	19	02:50	28.6	100	0
20180419T025500	2018	04	19	02:55	28.7	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180419T030000	2018	04	19	03:00	28.6	100	0
20180419T030500	2018	04	19	03:05	28.6	100	0
20180419T031000	2018	04	19	03:10	28.7	100	0
20180419T031500	2018	04	19	03:15	28.7	100	0
20180419T032000	2018	04	19	03:20	28.7	100	0
20180419T032500	2018	04	19	03:25	28.6	100	0
20180419T033000	2018	04	19	03:30	28.5	100	0
20180419T033500	2018	04	19	03:35	28.4	100	0
20180419T034000	2018	04	19	03:40	28.4	100	0.01
20180419T034500	2018	04	19	03:45	28.3	100	0
20180419T035000	2018	04	19	03:50	28.3	100	0
20180419T035500	2018	04	19	03:55	28.1	100	0
20180419T040000	2018	04	19	04:00	28.1	100	0
20180419T040500	2018	04	19	04:05	28	100	0
20180419T041000	2018	04	19	04:10	28.1	100	0
20180419T041500	2018	04	19	04:15	28.2	100	0
20180419T042000	2018	04	19	04:20	28.2	100	0
20180419T042500	2018	04	19	04:25	28.2	100	0
20180419T043000	2018	04	19	04:30	28.1	100	0
20180419T043500	2018	04	19	04:35	28	100	0
20180419T044000	2018	04	19	04:40	28	100	0
20180419T044500	2018	04	19	04:45	28.1	100	0
20180419T045000	2018	04	19	04:50	28.1	100	0
20180419T045500	2018	04	19	04:55	28.2	100	0
20180419T050000	2018	04	19	05:00	28.3	100	0
20180419T050500	2018	04	19	05:05	28.2	100	0
20180419T051000	2018	04	19	05:10	28	100	0
20180419T051500	2018	04	19	05:15	28	100	0
20180419T052000	2018	04	19	05:20	28	100	0
20180419T052500	2018	04	19	05:25	28	100	0
20180419T053000	2018	04	19	05:30	28	100	0
20180419T053500	2018	04	19	05:35	28	100	0
20180419T054000	2018	04	19	05:40	28	100	0
20180419T054500	2018	04	19	05:45	28.1	100	0
20180419T055000	2018	04	19	05:50	28.1	100	0
20180419T055500	2018	04	19	05:55	28.2	100	0
20180419T060000	2018	04	19	06:00	28.3	100	0
20180419T060500	2018	04	19	06:05	28.3	100	0
20180419T061000	2018	04	19	06:10	28.3	100	0
20180419T061500	2018	04	19	06:15	28.2	100	0
20180419T062000	2018	04	19	06:20	28.4	100	0
20180419T062500	2018	04	19	06:25	28.3	100	0
20180419T063000	2018	04	19	06:30	28.2	100	0
20180419T063500	2018	04	19	06:35	28.2	100	0
20180419T064000	2018	04	19	06:40	28.3	100	0
20180419T064500	2018	04	19	06:45	28.3	100	0
20180419T065000	2018	04	19	06:50	28.5	100	0
20180419T065500	2018	04	19	06:55	28.4	100	0
20180419T070000	2018	04	19	07:00	28.2	100	0
20180419T070500	2018	04	19	07:05	28.1	100	0
20180419T071000	2018	04	19	07:10	28	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180419T071500	2018	04	19	07:15	28	100	0
20180419T072000	2018	04	19	07:20	27.9	100	0
20180419T072500	2018	04	19	07:25	27.9	100	0
20180419T073000	2018	04	19	07:30	27.8	100	0
20180419T073500	2018	04	19	07:35	27.8	100	0
20180419T074000	2018	04	19	07:40	27.8	100	0
20180419T074500	2018	04	19	07:45	27.8	100	0
20180419T075000	2018	04	19	07:50	27.8	100	0
20180419T075500	2018	04	19	07:55	27.8	100	0
20180419T080000	2018	04	19	08:00	27.8	100	0
20180419T080500	2018	04	19	08:05	27.8	100	0
20180419T081000	2018	04	19	08:10	27.9	100	0
20180419T081500	2018	04	19	08:15	27.9	100	0
20180419T082000	2018	04	19	08:20	28	100	0
20180419T082500	2018	04	19	08:25	28.1	100	0
20180419T083000	2018	04	19	08:30	28.1	100	0
20180419T083500	2018	04	19	08:35	28	100	0
20180419T084000	2018	04	19	08:40	28.1	100	0
20180419T084500	2018	04	19	08:45	28	100	0
20180419T085000	2018	04	19	08:50	28.2	100	0
20180419T085500	2018	04	19	08:55	28.1	100	0
20180419T090000	2018	04	19	09:00	28	100	0
20180419T090500	2018	04	19	09:05	28.1	100	0
20180419T091000	2018	04	19	09:10	28.1	100	0
20180419T091500	2018	04	19	09:15	28.2	100	0
20180419T092000	2018	04	19	09:20	28.2	100	0
20180419T092500	2018	04	19	09:25	28.2	100	0
20180419T093000	2018	04	19	09:30	28.3	100	0
20180419T093500	2018	04	19	09:35	28.3	100	0
20180419T094000	2018	04	19	09:40	28.5	100	0
20180419T094500	2018	04	19	09:45	28.5	100	0
20180419T095000	2018	04	19	09:50	28.7	100	0
20180419T095500	2018	04	19	09:55	28.8	100	0
20180419T100000	2018	04	19	10:00	28.5	100	0
20180419T100500	2018	04	19	10:05	28.5	100	0
20180419T101000	2018	04	19	10:10	28.5	100	0
20180419T101500	2018	04	19	10:15	28.4	100	0
20180419T102000	2018	04	19	10:20	28.3	100	0
20180419T102500	2018	04	19	10:25	28.4	100	0
20180419T103000	2018	04	19	10:30	28.6	100	0
20180419T103500	2018	04	19	10:35	28.6	100	0
20180419T104000	2018	04	19	10:40	28.7	100	0
20180419T104500	2018	04	19	10:45	28.7	100	0
20180419T105000	2018	04	19	10:50	28.6	100	0
20180419T105500	2018	04	19	10:55	28.3	100	0
20180419T110000	2018	04	19	11:00	28.2	100	0
20180419T110500	2018	04	19	11:05	28.2	100	0
20180419T111000	2018	04	19	11:10	28.4	100	0
20180419T111500	2018	04	19	11:15	28.4	100	0
20180419T112000	2018	04	19	11:20	28.2	100	0
20180419T112500	2018	04	19	11:25	28.1	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180419T113000	2018	04	19	11:30	28.1	100	0
20180419T113500	2018	04	19	11:35	28	100	0
20180419T114000	2018	04	19	11:40	28	100	0
20180419T114500	2018	04	19	11:45	27.8	100	0
20180419T115000	2018	04	19	11:50	27.7	100	0
20180419T115500	2018	04	19	11:55	28	100	0
20180419T120000	2018	04	19	12:00	28.1	100	0
20180419T120500	2018	04	19	12:05	28.5	100	0
20180419T121000	2018	04	19	12:10	28.4	98.6	0
20180419T121500	2018	04	19	12:15	28.5	97.9	0
20180419T122000	2018	04	19	12:20	28.6	98	0
20180419T122500	2018	04	19	12:25	28.7	98	0
20180419T123000	2018	04	19	12:30	28.6	98.4	0
20180419T123500	2018	04	19	12:35	28.5	99.7	0
20180419T124000	2018	04	19	12:40	28.6	99.9	0
20180419T124500	2018	04	19	12:45	28.8	98.3	0
20180419T125000	2018	04	19	12:50	29.1	100	0
20180419T125500	2018	04	19	12:55	29.6	98.9	0
20180419T130000	2018	04	19	13:00	29.5	99.3	0
20180419T130500	2018	04	19	13:05	29.4	99.9	0
20180419T131000	2018	04	19	13:10	29.7	98.7	0
20180419T131500	2018	04	19	13:15	29.6	100	0
20180419T132000	2018	04	19	13:20	28.8	100	0
20180419T132500	2018	04	19	13:25	28.6	100	0
20180419T133000	2018	04	19	13:30	28.4	99.9	0
20180419T133500	2018	04	19	13:35	29	98.5	0
20180419T134000	2018	04	19	13:40	29	100	0
20180419T134500	2018	04	19	13:45	29.1	100	0
20180419T135000	2018	04	19	13:50	28.3	100	0
20180419T135500	2018	04	19	13:55	27.4	100	0
20180419T140000	2018	04	19	14:00	27.6	100	0
20180419T140500	2018	04	19	14:05	28.1	100	0
20180419T141000	2018	04	19	14:10	28.3	100	0
20180419T141500	2018	04	19	14:15	28.2	100	0
20180419T142000	2018	04	19	14:20	28.3	100	0
20180419T142500	2018	04	19	14:25	28.6	99.1	0
20180419T143000	2018	04	19	14:30	28.7	95	0
20180419T143500	2018	04	19	14:35	29.3	95.7	0
20180419T144000	2018	04	19	14:40	29.5	91.7	0
20180419T144500	2018	04	19	14:45	29	93	0
20180419T145000	2018	04	19	14:50	28.8	96.1	0
20180419T145500	2018	04	19	14:55	29.1	94.6	0
20180419T150000	2018	04	19	15:00	29	94.3	0
20180419T150500	2018	04	19	15:05	29.2	96.6	0
20180419T151000	2018	04	19	15:10	29.2	91.6	0
20180419T151500	2018	04	19	15:15	29.6	91.6	0
20180419T152000	2018	04	19	15:20	29.9	85.8	0
20180419T152500	2018	04	19	15:25	29.8	85.3	0
20180419T153000	2018	04	19	15:30	30.1	86.8	0
20180419T153500	2018	04	19	15:35	29.7	88.1	0
20180419T154000	2018	04	19	15:40	29.5	94.6	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180419T154500	2018	04	19	15:45	29.8	99	0
20180419T155000	2018	04	19	15:50	29.4	99.1	0
20180419T155500	2018	04	19	15:55	29.1	100	0
20180419T160000	2018	04	19	16:00	28.9	100	0
20180419T160500	2018	04	19	16:05	28.9	100	0
20180419T161000	2018	04	19	16:10	29	100	0
20180419T161500	2018	04	19	16:15	29.1	100	0
20180419T162000	2018	04	19	16:20	29.3	100	0
20180419T162500	2018	04	19	16:25	29	100	0
20180419T163000	2018	04	19	16:30	28.9	100	0.01
20180419T163500	2018	04	19	16:35	28.8	100	0
20180419T164000	2018	04	19	16:40	29.1	99.4	0
20180419T164500	2018	04	19	16:45	29.4	95.4	0
20180419T165000	2018	04	19	16:50	29.6	91.3	0
20180419T165500	2018	04	19	16:55	29.8	89.6	0
20180419T170000	2018	04	19	17:00	29.8	88.1	0
20180419T170500	2018	04	19	17:05	30	87.8	0
20180419T171000	2018	04	19	17:10	29.7	89.6	0
20180419T171500	2018	04	19	17:15	28.9	97.6	0
20180419T172000	2018	04	19	17:20	28.4	100	0
20180419T172500	2018	04	19	17:25	28.4	100	0
20180419T173000	2018	04	19	17:30	28.7	100	0
20180419T173500	2018	04	19	17:35	28.6	100	0
20180419T174000	2018	04	19	17:40	28.4	100	0
20180419T174500	2018	04	19	17:45	28.1	100	0.01
20180419T175000	2018	04	19	17:50	27.7	100	0.01
20180419T175500	2018	04	19	17:55	27.6	100	0
20180419T180000	2018	04	19	18:00	27.6	100	0
20180419T180500	2018	04	19	18:05	27.6	100	0
20180419T181000	2018	04	19	18:10	27.7	100	0
20180419T181500	2018	04	19	18:15	27.7	100	0
20180419T182000	2018	04	19	18:20	27.7	100	0
20180419T182500	2018	04	19	18:25	27.7	100	0
20180419T183000	2018	04	19	18:30	27.7	100	0
20180419T183500	2018	04	19	18:35	27.7	100	0
20180419T184000	2018	04	19	18:40	27.7	100	0
20180419T184500	2018	04	19	18:45	27.7	100	0
20180419T185000	2018	04	19	18:50	27.7	100	0
20180419T185500	2018	04	19	18:55	27.8	100	0
20180419T190000	2018	04	19	19:00	27.8	100	0
20180419T190500	2018	04	19	19:05	27.8	100	0
20180419T191000	2018	04	19	19:10	27.9	100	0
20180419T191500	2018	04	19	19:15	27.8	100	0
20180419T192000	2018	04	19	19:20	27.7	100	0
20180419T192500	2018	04	19	19:25	27.7	100	0
20180419T193000	2018	04	19	19:30	27.6	100	0
20180419T193500	2018	04	19	19:35	27.5	100	0
20180419T194000	2018	04	19	19:40	27.4	100	0
20180419T194500	2018	04	19	19:45	27.3	100	0
20180419T195000	2018	04	19	19:50	27.2	100	0
20180419T195500	2018	04	19	19:55	27.1	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180419T200000	2018	04	19	20:00	27.1	100	0
20180419T200500	2018	04	19	20:05	27	100	0
20180419T201000	2018	04	19	20:10	27	100	0.01
20180419T201500	2018	04	19	20:15	26.9	100	0
20180419T202000	2018	04	19	20:20	26.9	100	0
20180419T202500	2018	04	19	20:25	27	100	0
20180419T203000	2018	04	19	20:30	27	100	0
20180419T203500	2018	04	19	20:35	27	100	0
20180419T204000	2018	04	19	20:40	27.1	100	0
20180419T204500	2018	04	19	20:45	27.1	100	0
20180419T205000	2018	04	19	20:50	27.2	100	0
20180419T205500	2018	04	19	20:55	27.3	100	0
20180419T210000	2018	04	19	21:00	27.3	100	0
20180419T210500	2018	04	19	21:05	27.3	100	0
20180419T211000	2018	04	19	21:10	27.3	100	0
20180419T211500	2018	04	19	21:15	27.4	99.9	0
20180419T212000	2018	04	19	21:20	27.3	100	0
20180419T212500	2018	04	19	21:25	27.3	99.8	0
20180419T213000	2018	04	19	21:30	27.3	99.1	0
20180419T213500	2018	04	19	21:35	27.3	98.4	0
20180419T214000	2018	04	19	21:40	27.2	99.1	0
20180419T214500	2018	04	19	21:45	27.2	99.1	0
20180419T215000	2018	04	19	21:50	27.1	99.3	0
20180419T215500	2018	04	19	21:55	27.1	99.9	0
20180419T220000	2018	04	19	22:00	26.8	100	0
20180419T220500	2018	04	19	22:05	26.6	100	0
20180419T221000	2018	04	19	22:10	26.5	100	0
20180419T221500	2018	04	19	22:15	26.6	100	0
20180419T222000	2018	04	19	22:20	26.6	100	0
20180419T222500	2018	04	19	22:25	26.7	100	0
20180419T223000	2018	04	19	22:30	26.8	100	0
20180419T223500	2018	04	19	22:35	26.8	100	0
20180419T224000	2018	04	19	22:40	26.9	99.9	0
20180419T224500	2018	04	19	22:45	26.9	99.7	0
20180419T225000	2018	04	19	22:50	26.8	99.5	0
20180419T225500	2018	04	19	22:55	26.8	100	0
20180419T230000	2018	04	19	23:00	26.6	100	0
20180419T230500	2018	04	19	23:05	26.4	100	0
20180419T231000	2018	04	19	23:10	26.3	100	0
20180419T231500	2018	04	19	23:15	26.2	100	0
20180419T232000	2018	04	19	23:20	26.1	100	0
20180419T232500	2018	04	19	23:25	26	100	0
20180419T233000	2018	04	19	23:30	25.8	100	0
20180419T233500	2018	04	19	23:35	25.6	100	0
20180419T234000	2018	04	19	23:40	25.6	100	0
20180419T234500	2018	04	19	23:45	25.6	100	0
20180419T235000	2018	04	19	23:50	25.6	100	0
20180419T235500	2018	04	19	23:55	25.6	100	0
20180420T000000	2018	04	20	00:00	25.5	100	0
20180420T000500	2018	04	20	00:05	25.5	100	0
20180420T001000	2018	04	20	00:10	25.5	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180420T001500	2018	04	20	00:15	25.6	100	0
20180420T002000	2018	04	20	00:20	25.7	100	0
20180420T002500	2018	04	20	00:25	25.6	100	0
20180420T003000	2018	04	20	00:30	25.7	100	0
20180420T003500	2018	04	20	00:35	25.7	100	0
20180420T004000	2018	04	20	00:40	25.6	100	0
20180420T004500	2018	04	20	00:45	25.6	100	0
20180420T005000	2018	04	20	00:50	25.6	100	0
20180420T005500	2018	04	20	00:55	25.6	100	0
20180420T010000	2018	04	20	01:00	25.6	100	0
20180420T010500	2018	04	20	01:05	25.5	100	0
20180420T011000	2018	04	20	01:10	25.5	100	0
20180420T011500	2018	04	20	01:15	25.5	100	0
20180420T012000	2018	04	20	01:20	25.6	100	0
20180420T012500	2018	04	20	01:25	25.6	100	0
20180420T013000	2018	04	20	01:30	25.6	100	0
20180420T013500	2018	04	20	01:35	25.6	100	0
20180420T014000	2018	04	20	01:40	25.6	100	0
20180420T014500	2018	04	20	01:45	25.7	99.1	0
20180420T015000	2018	04	20	01:50	25.7	98.6	0
20180420T015500	2018	04	20	01:55	25.7	97.8	0
20180420T020000	2018	04	20	02:00	25.7	97.3	0
20180420T020500	2018	04	20	02:05	25.7	96.4	0
20180420T021000	2018	04	20	02:10	25.7	96.6	0
20180420T021500	2018	04	20	02:15	25.7	96	0
20180420T022000	2018	04	20	02:20	25.7	94.6	0
20180420T022500	2018	04	20	02:25	25.7	94.3	0
20180420T023000	2018	04	20	02:30	25.7	94.2	0
20180420T023500	2018	04	20	02:35	25.7	93.6	0
20180420T024000	2018	04	20	02:40	25.7	92.5	0
20180420T024500	2018	04	20	02:45	25.7	92.8	0
20180420T025000	2018	04	20	02:50	25.7	92.3	0
20180420T025500	2018	04	20	02:55	25.7	90	0
20180420T030000	2018	04	20	03:00	25.7	89.2	0
20180420T030500	2018	04	20	03:05	25.7	88.9	0
20180420T031000	2018	04	20	03:10	25.7	88.5	0
20180420T031500	2018	04	20	03:15	25.7	88.6	0
20180420T032000	2018	04	20	03:20	25.7	89.4	0
20180420T032500	2018	04	20	03:25	25.7	88.4	0
20180420T033000	2018	04	20	03:30	25.7	88.5	0
20180420T033500	2018	04	20	03:35	25.6	89.3	0
20180420T034000	2018	04	20	03:40	25.7	88.2	0
20180420T034500	2018	04	20	03:45	25.6	89.9	0
20180420T035000	2018	04	20	03:50	25.6	89.8	0
20180420T035500	2018	04	20	03:55	25.6	89.3	0
20180420T040000	2018	04	20	04:00	25.6	89.1	0
20180420T040500	2018	04	20	04:05	25.6	89.7	0
20180420T041000	2018	04	20	04:10	25.5	90.3	0
20180420T041500	2018	04	20	04:15	25.5	89.5	0
20180420T042000	2018	04	20	04:20	25.5	89.8	0
20180420T042500	2018	04	20	04:25	25.5	89.8	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180420T043000	2018	04	20	04:30	25.5	89.7	0
20180420T043500	2018	04	20	04:35	25.5	89.9	0
20180420T044000	2018	04	20	04:40	25.5	88.2	0
20180420T044500	2018	04	20	04:45	25.5	87.8	0
20180420T045000	2018	04	20	04:50	25.5	85.8	0
20180420T045500	2018	04	20	04:55	25.4	84.9	0
20180420T050000	2018	04	20	05:00	25.4	85.6	0
20180420T050500	2018	04	20	05:05	25.3	85.6	0
20180420T051000	2018	04	20	05:10	25.2	85.7	0
20180420T051500	2018	04	20	05:15	25	84.7	0
20180420T052000	2018	04	20	05:20	25	85	0
20180420T052500	2018	04	20	05:25	24.8	84.8	0
20180420T053000	2018	04	20	05:30	24.6	85.6	0
20180420T053500	2018	04	20	05:35	24.5	85.6	0
20180420T054000	2018	04	20	05:40	24.5	85.2	0
20180420T054500	2018	04	20	05:45	24.2	85.5	0
20180420T055000	2018	04	20	05:50	24	86.7	0
20180420T055500	2018	04	20	05:55	23.9	86.7	0
20180420T060000	2018	04	20	06:00	23.9	86.2	0
20180420T060500	2018	04	20	06:05	23.6	87.5	0
20180420T061000	2018	04	20	06:10	23.8	87.2	0
20180420T061500	2018	04	20	06:15	23.5	87.7	0
20180420T062000	2018	04	20	06:20	23.6	88.4	0
20180420T062500	2018	04	20	06:25	23.6	87.9	0
20180420T063000	2018	04	20	06:30	23.6	88.1	0
20180420T063500	2018	04	20	06:35	23.6	87.7	0
20180420T064000	2018	04	20	06:40	23.3	87.6	0
20180420T064500	2018	04	20	06:45	23.2	88.7	0
20180420T065000	2018	04	20	06:50	23.4	88	0
20180420T065500	2018	04	20	06:55	23.3	87.6	0
20180420T070000	2018	04	20	07:00	23.4	88.1	0
20180420T070500	2018	04	20	07:05	23.4	88.1	0
20180420T071000	2018	04	20	07:10	23.4	88.1	0
20180420T071500	2018	04	20	07:15	23.5	87.4	0
20180420T072000	2018	04	20	07:20	23.5	87.1	0
20180420T072500	2018	04	20	07:25	23.5	86.7	0
20180420T073000	2018	04	20	07:30	23.6	85.9	0
20180420T073500	2018	04	20	07:35	23.8	85	0
20180420T074000	2018	04	20	07:40	23.9	84.4	0
20180420T074500	2018	04	20	07:45	24	84.4	0
20180420T075000	2018	04	20	07:50	24	84.8	0
20180420T075500	2018	04	20	07:55	24	84.7	0
20180420T080000	2018	04	20	08:00	24.1	83.2	0
20180420T080500	2018	04	20	08:05	24.3	82.3	0
20180420T081000	2018	04	20	08:10	24.4	81.8	0
20180420T081500	2018	04	20	08:15	24.4	81.2	0
20180420T082000	2018	04	20	08:20	24.3	80.5	0
20180420T082500	2018	04	20	08:25	24.3	80.3	0
20180420T083000	2018	04	20	08:30	24.4	80.4	0
20180420T083500	2018	04	20	08:35	24.6	80.5	0
20180420T084000	2018	04	20	08:40	24.7	79.5	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180420T084500	2018	04	20	08:45	24.7	78.7	0
20180420T085000	2018	04	20	08:50	24.8	78.2	0
20180420T085500	2018	04	20	08:55	24.9	78.1	0
20180420T090000	2018	04	20	09:00	25.2	77	0
20180420T090500	2018	04	20	09:05	25	75	0
20180420T091000	2018	04	20	09:10	24.9	74.7	0
20180420T091500	2018	04	20	09:15	24.9	76.1	0
20180420T092000	2018	04	20	09:20	25.1	75.5	0
20180420T092500	2018	04	20	09:25	25.2	76	0
20180420T093000	2018	04	20	09:30	25.3	76.2	0
20180420T093500	2018	04	20	09:35	25.5	76.4	0
20180420T094000	2018	04	20	09:40	25.2	75.3	0
20180420T094500	2018	04	20	09:45	25.2	75.6	0
20180420T095000	2018	04	20	09:50	25.3	76	0
20180420T095500	2018	04	20	09:55	25.4	76.8	0
20180420T100000	2018	04	20	10:00	25.5	76.1	0
20180420T100500	2018	04	20	10:05	25.6	76.9	0
20180420T101000	2018	04	20	10:10	25.6	76.2	0
20180420T101500	2018	04	20	10:15	25.5	76.1	0
20180420T102000	2018	04	20	10:20	25.6	76.7	0
20180420T102500	2018	04	20	10:25	25.7	76.9	0
20180420T103000	2018	04	20	10:30	25.8	76.1	0
20180420T103500	2018	04	20	10:35	26.1	75.2	0
20180420T104000	2018	04	20	10:40	26.1	74.5	0
20180420T104500	2018	04	20	10:45	26.2	74.9	0
20180420T105000	2018	04	20	10:50	26.4	74.5	0
20180420T105500	2018	04	20	10:55	26.4	74.1	0
20180420T110000	2018	04	20	11:00	26.7	73.8	0
20180420T110500	2018	04	20	11:05	26.9	73.1	0
20180420T111000	2018	04	20	11:10	27.1	72.6	0
20180420T111500	2018	04	20	11:15	27.1	71.5	0
20180420T112000	2018	04	20	11:20	27.6	71.5	0
20180420T112500	2018	04	20	11:25	27.5	72.2	0
20180420T113000	2018	04	20	11:30	27.2	72.7	0
20180420T113500	2018	04	20	11:35	27.2	73.5	0
20180420T114000	2018	04	20	11:40	27.7	73.8	0
20180420T114500	2018	04	20	11:45	27.7	73	0
20180420T115000	2018	04	20	11:50	27.8	73.2	0
20180420T115500	2018	04	20	11:55	28.3	72.2	0
20180420T120000	2018	04	20	12:00	28.6	70	0
20180420T120500	2018	04	20	12:05	28.5	70.6	0
20180420T121000	2018	04	20	12:10	28.8	70.2	0
20180420T121500	2018	04	20	12:15	29.1	69.6	0
20180420T122000	2018	04	20	12:20	29.3	70.5	0
20180420T122500	2018	04	20	12:25	29.4	69.7	0
20180420T123000	2018	04	20	12:30	29.8	69.6	0
20180420T123500	2018	04	20	12:35	30.1	69.2	0
20180420T124000	2018	04	20	12:40	30.2	69.7	0
20180420T124500	2018	04	20	12:45	30.2	71	0
20180420T125000	2018	04	20	12:50	30.7	69.8	0
20180420T125500	2018	04	20	12:55	30.6	69.9	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180420T130000	2018	04	20	13:00	30.9	70.2	0
20180420T130500	2018	04	20	13:05	31.1	69	0
20180420T131000	2018	04	20	13:10	31.2	69.5	0
20180420T131500	2018	04	20	13:15	31.5	69.2	0
20180420T132000	2018	04	20	13:20	31.5	68.9	0
20180420T132500	2018	04	20	13:25	31.7	69	0
20180420T133000	2018	04	20	13:30	31.5	69.6	0
20180420T133500	2018	04	20	13:35	32	70	0
20180420T134000	2018	04	20	13:40	31.8	69.8	0
20180420T134500	2018	04	20	13:45	31.8	70.8	0
20180420T135000	2018	04	20	13:50	31.9	70.4	0
20180420T135500	2018	04	20	13:55	32.6	70.1	0
20180420T140000	2018	04	20	14:00	32.6	70	0
20180420T140500	2018	04	20	14:05	32.5	69.6	0
20180420T141000	2018	04	20	14:10	32.5	69.1	0
20180420T141500	2018	04	20	14:15	33.2	68.2	0
20180420T142000	2018	04	20	14:20	33.5	65.3	0
20180420T142500	2018	04	20	14:25	33.4	66.9	0
20180420T143000	2018	04	20	14:30	33.4	67.7	0
20180420T143500	2018	04	20	14:35	33.8	66.6	0
20180420T144000	2018	04	20	14:40	33.9	65.6	0
20180420T144500	2018	04	20	14:45	33.9	65.4	0
20180420T145000	2018	04	20	14:50	33.6	64.7	0
20180420T145500	2018	04	20	14:55	33.4	66	0
20180420T150000	2018	04	20	15:00	33.6	65.2	0
20180420T150500	2018	04	20	15:05	34.1	65.1	0
20180420T151000	2018	04	20	15:10	34.2	65.5	0
20180420T151500	2018	04	20	15:15	34.3	65.1	0
20180420T152000	2018	04	20	15:20	33.9	65.2	0
20180420T152500	2018	04	20	15:25	34	66	0
20180420T153000	2018	04	20	15:30	33.9	65.8	0
20180420T153500	2018	04	20	15:35	33.9	65.7	0
20180420T154000	2018	04	20	15:40	34.2	65.4	0
20180420T154500	2018	04	20	15:45	34.7	65.1	0
20180420T155000	2018	04	20	15:50	34.8	64.5	0
20180420T155500	2018	04	20	15:55	34.5	64.3	0
20180420T160000	2018	04	20	16:00	34.8	65.1	0
20180420T160500	2018	04	20	16:05	34.6	66.3	0
20180420T161000	2018	04	20	16:10	34.5	65.7	0
20180420T161500	2018	04	20	16:15	34.7	66.3	0
20180420T162000	2018	04	20	16:20	34.7	65	0
20180420T162500	2018	04	20	16:25	34.7	64.3	0
20180420T163000	2018	04	20	16:30	35	64	0
20180420T163500	2018	04	20	16:35	35.3	65.3	0
20180420T164000	2018	04	20	16:40	34.7	63.7	0
20180420T164500	2018	04	20	16:45	34.6	64.6	0
20180420T165000	2018	04	20	16:50	34.9	65.1	0
20180420T165500	2018	04	20	16:55	35	63.7	0
20180420T170000	2018	04	20	17:00	35.4	62.1	0
20180420T170500	2018	04	20	17:05	35.6	62.8	0
20180420T171000	2018	04	20	17:10	35.8	62.7	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180420T171500	2018	04	20	17:15	36.1	62.4	0
20180420T172000	2018	04	20	17:20	36.4	62.3	0
20180420T172500	2018	04	20	17:25	36.4	60.8	0
20180420T173000	2018	04	20	17:30	36	60	0
20180420T173500	2018	04	20	17:35	35.8	61.2	0
20180420T174000	2018	04	20	17:40	35.7	62.2	0
20180420T174500	2018	04	20	17:45	35.7	62.1	0
20180420T175000	2018	04	20	17:50	35.7	61.3	0
20180420T175500	2018	04	20	17:55	36.1	60.7	0
20180420T180000	2018	04	20	18:00	35.9	61.9	0
20180420T180500	2018	04	20	18:05	35.8	62.4	0
20180420T181000	2018	04	20	18:10	35.7	61.6	0
20180420T181500	2018	04	20	18:15	36	61.4	0
20180420T182000	2018	04	20	18:20	36.9	59.4	0
20180420T182500	2018	04	20	18:25	36.5	59.7	0
20180420T183000	2018	04	20	18:30	35.9	61	0
20180420T183500	2018	04	20	18:35	36.2	59.9	0
20180420T184000	2018	04	20	18:40	36.2	59.5	0
20180420T184500	2018	04	20	18:45	36.3	59.6	0
20180420T185000	2018	04	20	18:50	37	57.9	0
20180420T185500	2018	04	20	18:55	36.8	57.7	0
20180420T190000	2018	04	20	19:00	36.3	58.1	0
20180420T190500	2018	04	20	19:05	35.9	59.8	0
20180420T191000	2018	04	20	19:10	35.9	60.8	0
20180420T191500	2018	04	20	19:15	35.9	60.1	0
20180420T192000	2018	04	20	19:20	36	60.8	0
20180420T192500	2018	04	20	19:25	35.9	60.5	0
20180420T193000	2018	04	20	19:30	35.6	62.1	0
20180420T193500	2018	04	20	19:35	35.7	61.5	0
20180420T194000	2018	04	20	19:40	35.4	62.6	0
20180420T194500	2018	04	20	19:45	35.2	63.2	0
20180420T195000	2018	04	20	19:50	35.1	63.3	0
20180420T195500	2018	04	20	19:55	34.9	63.3	0
20180420T200000	2018	04	20	20:00	34.6	64.5	0
20180420T200500	2018	04	20	20:05	34.3	65.8	0
20180420T201000	2018	04	20	20:10	34.3	65.4	0
20180420T201500	2018	04	20	20:15	33.9	66.8	0
20180420T202000	2018	04	20	20:20	33.9	66.8	0
20180420T202500	2018	04	20	20:25	33.8	67	0
20180420T203000	2018	04	20	20:30	34	66.6	0
20180420T203500	2018	04	20	20:35	34	65.8	0
20180420T204000	2018	04	20	20:40	33.8	66.5	0
20180420T204500	2018	04	20	20:45	33.6	67.3	0
20180420T205000	2018	04	20	20:50	33.4	68	0
20180420T205500	2018	04	20	20:55	33.2	68.6	0
20180420T210000	2018	04	20	21:00	33.3	68.7	0
20180420T210500	2018	04	20	21:05	33.2	69.1	0
20180420T211000	2018	04	20	21:10	33.1	69	0
20180420T211500	2018	04	20	21:15	32.8	70.3	0
20180420T212000	2018	04	20	21:20	33.2	69	0
20180420T212500	2018	04	20	21:25	33	69.1	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180420T213000	2018	04	20	21:30	33	69.4	0
20180420T213500	2018	04	20	21:35	33.1	69.1	0
20180420T214000	2018	04	20	21:40	33	69	0
20180420T214500	2018	04	20	21:45	32.9	69.3	0
20180420T215000	2018	04	20	21:50	32.8	69.3	0
20180420T215500	2018	04	20	21:55	32.6	69.7	0
20180420T220000	2018	04	20	22:00	32.6	69.8	0
20180420T220500	2018	04	20	22:05	32.5	70.1	0
20180420T221000	2018	04	20	22:10	32.1	71.1	0
20180420T221500	2018	04	20	22:15	32.1	71.4	0
20180420T222000	2018	04	20	22:20	32.1	71.3	0
20180420T222500	2018	04	20	22:25	31.9	72	0
20180420T223000	2018	04	20	22:30	31.8	72.3	0
20180420T223500	2018	04	20	22:35	31.9	72.3	0
20180420T224000	2018	04	20	22:40	31.9	72.3	0
20180420T224500	2018	04	20	22:45	31.9	72.1	0
20180420T225000	2018	04	20	22:50	32	72.2	0
20180420T225500	2018	04	20	22:55	31.9	72.3	0
20180420T230000	2018	04	20	23:00	31.7	73.1	0
20180420T230500	2018	04	20	23:05	31.7	73.7	0
20180420T231000	2018	04	20	23:10	31.7	73.8	0
20180420T231500	2018	04	20	23:15	31.6	73.8	0
20180420T232000	2018	04	20	23:20	31.6	74.5	0
20180420T232500	2018	04	20	23:25	31.6	74.8	0
20180420T233000	2018	04	20	23:30	31.6	75	0
20180420T233500	2018	04	20	23:35	31.6	75.1	0
20180420T234000	2018	04	20	23:40	31.6	75.6	0
20180420T234500	2018	04	20	23:45	31.5	75.9	0
20180420T235000	2018	04	20	23:50	31.6	75.9	0
20180420T235500	2018	04	20	23:55	31.6	75.8	0
20180421T000000	2018	04	21	00:00	31.5	75.9	0
20180421T000500	2018	04	21	00:05	31.4	75.9	0
20180421T001000	2018	04	21	00:10	31.3	76.4	0
20180421T001500	2018	04	21	00:15	31.5	75.4	0
20180421T002000	2018	04	21	00:20	31.4	75.7	0
20180421T002500	2018	04	21	00:25	31.6	74.3	0
20180421T003000	2018	04	21	00:30	31.3	75.1	0
20180421T003500	2018	04	21	00:35	31.7	74.7	0
20180421T004000	2018	04	21	00:40	31	75.6	0
20180421T004500	2018	04	21	00:45	31.4	75.5	0
20180421T005000	2018	04	21	00:50	31.4	74.7	0
20180421T005500	2018	04	21	00:55	31.4	74.1	0
20180421T010000	2018	04	21	01:00	31.1	75.6	0
20180421T010500	2018	04	21	01:05	31.3	75.9	0
20180421T011000	2018	04	21	01:10	31.4	75.6	0
20180421T011500	2018	04	21	01:15	31.1	75.9	0
20180421T012000	2018	04	21	01:20	30.7	77.6	0
20180421T012500	2018	04	21	01:25	30.9	77.3	0
20180421T013000	2018	04	21	01:30	31	76.8	0
20180421T013500	2018	04	21	01:35	30.9	76.5	0
20180421T014000	2018	04	21	01:40	30.7	77.1	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180421T014500	2018	04	21	01:45	30.9	77.1	0
20180421T015000	2018	04	21	01:50	30.6	77.4	0
20180421T015500	2018	04	21	01:55	30.6	78	0
20180421T020000	2018	04	21	02:00	30.5	77.9	0
20180421T020500	2018	04	21	02:05	30.4	78.3	0
20180421T021000	2018	04	21	02:10	30.4	78.2	0
20180421T021500	2018	04	21	02:15	30.3	77.9	0
20180421T022000	2018	04	21	02:20	30.6	77.5	0
20180421T022500	2018	04	21	02:25	30.5	77.2	0
20180421T023000	2018	04	21	02:30	30.3	77.7	0
20180421T023500	2018	04	21	02:35	30.3	78.5	0
20180421T024000	2018	04	21	02:40	30.2	78.2	0
20180421T024500	2018	04	21	02:45	30	78.9	0
20180421T025000	2018	04	21	02:50	30.1	78.4	0
20180421T025500	2018	04	21	02:55	30	78.6	0
20180421T030000	2018	04	21	03:00	29.7	79.2	0
20180421T030500	2018	04	21	03:05	29.6	79.9	0
20180421T031000	2018	04	21	03:10	29.6	79.8	0
20180421T031500	2018	04	21	03:15	29.5	79.5	0
20180421T032000	2018	04	21	03:20	29.7	79.1	0
20180421T032500	2018	04	21	03:25	29.9	77.4	0
20180421T033000	2018	04	21	03:30	29.9	76.4	0
20180421T033500	2018	04	21	03:35	29.9	75.9	0
20180421T034000	2018	04	21	03:40	29.3	78.2	0
20180421T034500	2018	04	21	03:45	29.5	78.6	0
20180421T035000	2018	04	21	03:50	29.2	79.6	0
20180421T035500	2018	04	21	03:55	29.5	78.7	0
20180421T040000	2018	04	21	04:00	29.6	78	0
20180421T040500	2018	04	21	04:05	29.7	77.3	0
20180421T041000	2018	04	21	04:10	29.6	77.1	0
20180421T041500	2018	04	21	04:15	29.4	77.7	0
20180421T042000	2018	04	21	04:20	29.4	77.8	0
20180421T042500	2018	04	21	04:25	29.3	77.4	0
20180421T043000	2018	04	21	04:30	29.4	78	0
20180421T043500	2018	04	21	04:35	29.6	76.9	0
20180421T044000	2018	04	21	04:40	29.3	77.2	0
20180421T044500	2018	04	21	04:45	29.5	77.3	0
20180421T045000	2018	04	21	04:50	29.1	77.5	0
20180421T045500	2018	04	21	04:55	29.3	77.7	0
20180421T050000	2018	04	21	05:00	29.4	77.5	0
20180421T050500	2018	04	21	05:05	29.3	76.6	0
20180421T051000	2018	04	21	05:10	29	78.3	0
20180421T051500	2018	04	21	05:15	29	78.8	0
20180421T052000	2018	04	21	05:20	29	78.4	0
20180421T052500	2018	04	21	05:25	29.2	78.2	0
20180421T053000	2018	04	21	05:30	29.4	76.9	0
20180421T053500	2018	04	21	05:35	29.4	77	0
20180421T054000	2018	04	21	05:40	29.4	76.5	0
20180421T054500	2018	04	21	05:45	29.3	77.2	0
20180421T055000	2018	04	21	05:50	29.4	76.7	0
20180421T055500	2018	04	21	05:55	29.3	76.5	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180421T060000	2018	04	21	06:00	29	77.3	0
20180421T060500	2018	04	21	06:05	29.1	77.9	0
20180421T061000	2018	04	21	06:10	29.3	77.2	0
20180421T061500	2018	04	21	06:15	29.1	77.1	0
20180421T062000	2018	04	21	06:20	29.2	77.7	0
20180421T062500	2018	04	21	06:25	29.4	76.8	0
20180421T063000	2018	04	21	06:30	29.4	76.1	0
20180421T063500	2018	04	21	06:35	29.4	76.3	0
20180421T064000	2018	04	21	06:40	29.1	76.5	0
20180421T064500	2018	04	21	06:45	29.6	75.9	0
20180421T065000	2018	04	21	06:50	29.5	75.1	0
20180421T065500	2018	04	21	06:55	29.8	73.8	0
20180421T070000	2018	04	21	07:00	29.7	74.1	0
20180421T070500	2018	04	21	07:05	29.7	74.5	0
20180421T071000	2018	04	21	07:10	29.7	74.2	0
20180421T071500	2018	04	21	07:15	29.9	73.8	0
20180421T072000	2018	04	21	07:20	30	73.3	0
20180421T072500	2018	04	21	07:25	30.1	72.5	0
20180421T073000	2018	04	21	07:30	30.3	71.2	0
20180421T073500	2018	04	21	07:35	30.5	69.8	0
20180421T074000	2018	04	21	07:40	30.6	68.9	0
20180421T074500	2018	04	21	07:45	30.8	67.9	0
20180421T075000	2018	04	21	07:50	31	67.2	0
20180421T075500	2018	04	21	07:55	31.2	66.8	0
20180421T080000	2018	04	21	08:00	31.3	66	0
20180421T080500	2018	04	21	08:05	31.5	64.9	0
20180421T081000	2018	04	21	08:10	31.6	64.7	0
20180421T081500	2018	04	21	08:15	31.8	64.5	0
20180421T082000	2018	04	21	08:20	32	64.3	0
20180421T082500	2018	04	21	08:25	32.2	62.9	0
20180421T083000	2018	04	21	08:30	32.4	63.5	0
20180421T083500	2018	04	21	08:35	32.5	62.6	0
20180421T084000	2018	04	21	08:40	32.5	61.3	0
20180421T084500	2018	04	21	08:45	32.8	60.8	0
20180421T085000	2018	04	21	08:50	33	60.2	0
20180421T085500	2018	04	21	08:55	33.2	59.9	0
20180421T090000	2018	04	21	09:00	33.3	59.8	0
20180421T090500	2018	04	21	09:05	33.9	58.6	0
20180421T091000	2018	04	21	09:10	33.7	58.4	0
20180421T091500	2018	04	21	09:15	34.3	58.4	0
20180421T092000	2018	04	21	09:20	34.5	58.2	0
20180421T092500	2018	04	21	09:25	34.8	57.3	0
20180421T093000	2018	04	21	09:30	34.8	57.5	0
20180421T093500	2018	04	21	09:35	35	56.4	0
20180421T094000	2018	04	21	09:40	35.3	56.8	0
20180421T094500	2018	04	21	09:45	35.4	56.2	0
20180421T095000	2018	04	21	09:50	35.9	56	0
20180421T095500	2018	04	21	09:55	36.3	54.9	0
20180421T100000	2018	04	21	10:00	37.3	52.9	0
20180421T100500	2018	04	21	10:05	37.5	48.6	0
20180421T101000	2018	04	21	10:10	37.8	50.6	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180421T101500	2018	04	21	10:15	38.4	47.9	0
20180421T102000	2018	04	21	10:20	38.4	46.9	0
20180421T102500	2018	04	21	10:25	38.3	46.3	0
20180421T103000	2018	04	21	10:30	38.5	47.2	0
20180421T103500	2018	04	21	10:35	39.1	46.9	0
20180421T104000	2018	04	21	10:40	39.5	45.9	0
20180421T104500	2018	04	21	10:45	39.4	44.3	0
20180421T105000	2018	04	21	10:50	40.5	45.7	0
20180421T105500	2018	04	21	10:55	40.2	41.7	0
20180421T110000	2018	04	21	11:00	40.6	41.8	0
20180421T110500	2018	04	21	11:05	41	42.5	0
20180421T111000	2018	04	21	11:10	41.1	40.8	0
20180421T111500	2018	04	21	11:15	41.1	40.7	0
20180421T112000	2018	04	21	11:20	41.8	43.1	0
20180421T112500	2018	04	21	11:25	41.8	39.7	0
20180421T113000	2018	04	21	11:30	42.3	41.3	0
20180421T113500	2018	04	21	11:35	41.7	39.7	0
20180421T114000	2018	04	21	11:40	42.2	41.9	0
20180421T114500	2018	04	21	11:45	42.8	41.1	0
20180421T115000	2018	04	21	11:50	43	40.1	0
20180421T115500	2018	04	21	11:55	42.9	41.5	0
20180421T120000	2018	04	21	12:00	42.8	40.2	0
20180421T120500	2018	04	21	12:05	42.9	40.2	0
20180421T121000	2018	04	21	12:10	42.7	39.1	0
20180421T121500	2018	04	21	12:15	42.8	40.4	0
20180421T122000	2018	04	21	12:20	43.6	40.2	0
20180421T122500	2018	04	21	12:25	43.4	37.8	0
20180421T123000	2018	04	21	12:30	43.4	36.5	0
20180421T123500	2018	04	21	12:35	43.7	36.8	0
20180421T124000	2018	04	21	12:40	43.6	37	0
20180421T124500	2018	04	21	12:45	44.2	39.7	0
20180421T125000	2018	04	21	12:50	43.9	38	0
20180421T125500	2018	04	21	12:55	44.1	38	0
20180421T130000	2018	04	21	13:00	45	37.2	0
20180421T130500	2018	04	21	13:05	44.5	36.5	0
20180421T131000	2018	04	21	13:10	45.2	38	0
20180421T131500	2018	04	21	13:15	45	36.2	0
20180421T132000	2018	04	21	13:20	45.6	37.6	0
20180421T132500	2018	04	21	13:25	45.6	36.4	0
20180421T133000	2018	04	21	13:30	45.6	37.4	0
20180421T133500	2018	04	21	13:35	45.8	35	0
20180421T134000	2018	04	21	13:40	45.9	37.1	0
20180421T134500	2018	04	21	13:45	45.7	36.9	0
20180421T135000	2018	04	21	13:50	45.8	36.2	0
20180421T135500	2018	04	21	13:55	46	37.5	0
20180421T140000	2018	04	21	14:00	45.9	36.3	0
20180421T140500	2018	04	21	14:05	46.7	36.7	0
20180421T141000	2018	04	21	14:10	46.2	34.2	0
20180421T141500	2018	04	21	14:15	47.1	36.7	0
20180421T142000	2018	04	21	14:20	46.5	36.5	0
20180421T142500	2018	04	21	14:25	46.5	37.5	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180421T143000	2018	04	21	14:30	46.9	36.8	0
20180421T143500	2018	04	21	14:35	47.8	37.9	0
20180421T144000	2018	04	21	14:40	47.3	36.3	0
20180421T144500	2018	04	21	14:45	46.5	37.9	0
20180421T145000	2018	04	21	14:50	46.2	37.1	0
20180421T145500	2018	04	21	14:55	46.8	37.6	0
20180421T150000	2018	04	21	15:00	46.9	37.4	0
20180421T150500	2018	04	21	15:05	46.7	36.9	0
20180421T151000	2018	04	21	15:10	47.6	39.1	0
20180421T151500	2018	04	21	15:15	46.7	36.6	0
20180421T152000	2018	04	21	15:20	47.6	38.4	0
20180421T152500	2018	04	21	15:25	47.5	38.2	0
20180421T153000	2018	04	21	15:30	47.6	37.3	0
20180421T153500	2018	04	21	15:35	47.3	36.2	0
20180421T154000	2018	04	21	15:40	48.1	36.5	0
20180421T154500	2018	04	21	15:45	48.4	37	0
20180421T155000	2018	04	21	15:50	48.8	35.2	0
20180421T155500	2018	04	21	15:55	48.2	34.8	0
20180421T160000	2018	04	21	16:00	48.2	36.7	0
20180421T160500	2018	04	21	16:05	47.9	35.4	0
20180421T161000	2018	04	21	16:10	48.6	37.7	0
20180421T161500	2018	04	21	16:15	48.8	35.8	0
20180421T162000	2018	04	21	16:20	47.9	35.5	0
20180421T162500	2018	04	21	16:25	48.5	36.6	0
20180421T163000	2018	04	21	16:30	49	36.1	0
20180421T163500	2018	04	21	16:35	48.3	34.6	0
20180421T164000	2018	04	21	16:40	48.6	35.5	0
20180421T164500	2018	04	21	16:45	49	34.4	0
20180421T165000	2018	04	21	16:50	48.4	34.8	0
20180421T165500	2018	04	21	16:55	48.6	35.1	0
20180421T170000	2018	04	21	17:00	49.2	35.5	0
20180421T170500	2018	04	21	17:05	48.7	34.6	0
20180421T171000	2018	04	21	17:10	49	35.6	0
20180421T171500	2018	04	21	17:15	48.7	34.5	0
20180421T172000	2018	04	21	17:20	49	35.4	0
20180421T172500	2018	04	21	17:25	49.4	35.4	0
20180421T173000	2018	04	21	17:30	49	34.2	0
20180421T173500	2018	04	21	17:35	48.5	34.4	0
20180421T174000	2018	04	21	17:40	48.9	35.5	0
20180421T174500	2018	04	21	17:45	48.3	34.8	0
20180421T175000	2018	04	21	17:50	48	34.6	0
20180421T175500	2018	04	21	17:55	47.8	35.4	0
20180421T180000	2018	04	21	18:00	48.2	35.3	0
20180421T180500	2018	04	21	18:05	48.3	35.4	0
20180421T181000	2018	04	21	18:10	48.2	35.8	0
20180421T181500	2018	04	21	18:15	48.3	35.2	0
20180421T182000	2018	04	21	18:20	48	35.4	0
20180421T182500	2018	04	21	18:25	47.7	35.4	0
20180421T183000	2018	04	21	18:30	47.8	35	0
20180421T183500	2018	04	21	18:35	47.8	35.1	0
20180421T184000	2018	04	21	18:40	47.7	35.6	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180421T184500	2018	04	21	18:45	47.6	35.8	0
20180421T185000	2018	04	21	18:50	47.7	35.5	0
20180421T185500	2018	04	21	18:55	47.2	34.2	0
20180421T190000	2018	04	21	19:00	47.2	35.2	0
20180421T190500	2018	04	21	19:05	47.1	35.7	0
20180421T191000	2018	04	21	19:10	47	35.9	0
20180421T191500	2018	04	21	19:15	46.9	36	0
20180421T192000	2018	04	21	19:20	46.3	35.9	0
20180421T192500	2018	04	21	19:25	44.7	38.5	0
20180421T193000	2018	04	21	19:30	43.9	38.8	0
20180421T193500	2018	04	21	19:35	43.7	39	0
20180421T194000	2018	04	21	19:40	43.1	40.2	0
20180421T194500	2018	04	21	19:45	42.7	41.2	0
20180421T195000	2018	04	21	19:50	42.5	41.5	0
20180421T195500	2018	04	21	19:55	42.1	42.5	0
20180421T200000	2018	04	21	20:00	41.6	44	0
20180421T200500	2018	04	21	20:05	41.5	43.2	0
20180421T201000	2018	04	21	20:10	40.9	44.5	0
20180421T201500	2018	04	21	20:15	40.8	42.3	0
20180421T202000	2018	04	21	20:20	41.3	39.2	0
20180421T202500	2018	04	21	20:25	41.6	36.6	0
20180421T203000	2018	04	21	20:30	41.6	36.2	0
20180421T203500	2018	04	21	20:35	41.6	35.1	0
20180421T204000	2018	04	21	20:40	41.6	34.6	0
20180421T204500	2018	04	21	20:45	42	33	0
20180421T205000	2018	04	21	20:50	41.8	32.8	0
20180421T205500	2018	04	21	20:55	41.9	32.5	0
20180421T210000	2018	04	21	21:00	42.1	31.6	0
20180421T210500	2018	04	21	21:05	42.1	31.5	0
20180421T211000	2018	04	21	21:10	41.9	31.6	0
20180421T211500	2018	04	21	21:15	41.9	31.1	0
20180421T212000	2018	04	21	21:20	42	31	0
20180421T212500	2018	04	21	21:25	41.9	31.9	0
20180421T213000	2018	04	21	21:30	41.7	32.2	0
20180421T213500	2018	04	21	21:35	41.6	32.5	0
20180421T214000	2018	04	21	21:40	41.3	33.3	0
20180421T214500	2018	04	21	21:45	41.6	32.9	0
20180421T215000	2018	04	21	21:50	41.9	32.3	0
20180421T215500	2018	04	21	21:55	41.6	32.6	0
20180421T220000	2018	04	21	22:00	41.3	32.9	0
20180421T220500	2018	04	21	22:05	41.3	33.2	0
20180421T221000	2018	04	21	22:10	41.5	32.9	0
20180421T221500	2018	04	21	22:15	41.7	32.6	0
20180421T222000	2018	04	21	22:20	41.9	32.3	0
20180421T222500	2018	04	21	22:25	41.8	32.3	0
20180421T223000	2018	04	21	22:30	41.2	33.2	0
20180421T223500	2018	04	21	22:35	41.2	33.4	0
20180421T224000	2018	04	21	22:40	41.3	33	0
20180421T224500	2018	04	21	22:45	40.8	33.4	0
20180421T225000	2018	04	21	22:50	40.6	34.3	0
20180421T225500	2018	04	21	22:55	40.9	34.4	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180421T230000	2018	04	21	23:00	40.6	34.6	0
20180421T230500	2018	04	21	23:05	40.6	35	0
20180421T231000	2018	04	21	23:10	40.7	34	0
20180421T231500	2018	04	21	23:15	40.9	34.3	0
20180421T232000	2018	04	21	23:20	40.6	34.5	0
20180421T232500	2018	04	21	23:25	40.3	35.1	0
20180421T233000	2018	04	21	23:30	40.2	35.9	0
20180421T233500	2018	04	21	23:35	40.1	36.2	0
20180421T234000	2018	04	21	23:40	39.6	37.6	0
20180421T234500	2018	04	21	23:45	39.4	39	0
20180421T235000	2018	04	21	23:50	39.7	39.2	0
20180421T235500	2018	04	21	23:55	39.7	39.2	0
20180422T000000	2018	04	22	00:00	39.7	38.8	0
20180422T000500	2018	04	22	00:05	39.6	38.8	0
20180422T001000	2018	04	22	00:10	39.1	39.3	0
20180422T001500	2018	04	22	00:15	39.1	39.6	0
20180422T002000	2018	04	22	00:20	39.3	39.6	0
20180422T002500	2018	04	22	00:25	39.3	39.1	0
20180422T003000	2018	04	22	00:30	39.3	39.5	0
20180422T003500	2018	04	22	00:35	39.9	38.1	0
20180422T004000	2018	04	22	00:40	39.8	38	0
20180422T004500	2018	04	22	00:45	39.8	38	0
20180422T005000	2018	04	22	00:50	40.2	37.5	0
20180422T005500	2018	04	22	00:55	40.1	37.5	0
20180422T010000	2018	04	22	01:00	40	37.6	0
20180422T010500	2018	04	22	01:05	39.9	37.6	0
20180422T011000	2018	04	22	01:10	39.8	37.7	0
20180422T011500	2018	04	22	01:15	39.5	38.2	0
20180422T012000	2018	04	22	01:20	38.8	39.6	0
20180422T012500	2018	04	22	01:25	39	40.2	0
20180422T013000	2018	04	22	01:30	39	40	0
20180422T013500	2018	04	22	01:35	39.1	39.6	0
20180422T014000	2018	04	22	01:40	38.8	39.6	0
20180422T014500	2018	04	22	01:45	38.3	40.8	0
20180422T015000	2018	04	22	01:50	38.4	41.1	0
20180422T015500	2018	04	22	01:55	38.5	41.1	0
20180422T020000	2018	04	22	02:00	38.5	41.2	0
20180422T020500	2018	04	22	02:05	38.4	41.5	0
20180422T021000	2018	04	22	02:10	38.9	40.6	0
20180422T021500	2018	04	22	02:15	39.3	39.4	0
20180422T022000	2018	04	22	02:20	38.8	39.6	0
20180422T022500	2018	04	22	02:25	38.7	40.4	0
20180422T023000	2018	04	22	02:30	38.8	41	0
20180422T023500	2018	04	22	02:35	38.9	40.9	0
20180422T024000	2018	04	22	02:40	38.8	40.8	0
20180422T024500	2018	04	22	02:45	37.9	42.3	0
20180422T025000	2018	04	22	02:50	38.5	42.5	0
20180422T025500	2018	04	22	02:55	38.5	41.9	0
20180422T030000	2018	04	22	03:00	39.1	41.7	0
20180422T030500	2018	04	22	03:05	38.7	42.7	0
20180422T031000	2018	04	22	03:10	39.1	42.5	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180422T031500	2018	04	22	03:15	39.7	41.2	0
20180422T032000	2018	04	22	03:20	39.2	41.6	0
20180422T032500	2018	04	22	03:25	38.8	43.3	0
20180422T033000	2018	04	22	03:30	39	42.7	0
20180422T033500	2018	04	22	03:35	39.5	41.7	0
20180422T034000	2018	04	22	03:40	39.8	40.6	0
20180422T034500	2018	04	22	03:45	39.8	40.4	0
20180422T035000	2018	04	22	03:50	39.8	40.1	0
20180422T035500	2018	04	22	03:55	39.3	41	0
20180422T040000	2018	04	22	04:00	39.1	41.5	0
20180422T040500	2018	04	22	04:05	39.3	40.6	0
20180422T041000	2018	04	22	04:10	39.5	40.5	0
20180422T041500	2018	04	22	04:15	39.5	40.2	0
20180422T042000	2018	04	22	04:20	39.3	41.3	0
20180422T042500	2018	04	22	04:25	39.3	41.2	0
20180422T043000	2018	04	22	04:30	38.8	42	0
20180422T043500	2018	04	22	04:35	38.7	42.1	0
20180422T044000	2018	04	22	04:40	38.8	42.1	0
20180422T044500	2018	04	22	04:45	38.8	42	0
20180422T045000	2018	04	22	04:50	38.6	41.9	0
20180422T045500	2018	04	22	04:55	38.3	42.6	0
20180422T050000	2018	04	22	05:00	38.6	42.7	0
20180422T050500	2018	04	22	05:05	38.7	42	0
20180422T051000	2018	04	22	05:10	38.5	42.3	0
20180422T051500	2018	04	22	05:15	38.3	43.2	0
20180422T052000	2018	04	22	05:20	38.1	43.3	0
20180422T052500	2018	04	22	05:25	38.1	43.7	0
20180422T053000	2018	04	22	05:30	38.4	43.3	0
20180422T053500	2018	04	22	05:35	38.6	42.7	0
20180422T054000	2018	04	22	05:40	38.4	42.5	0
20180422T054500	2018	04	22	05:45	38.3	42.8	0
20180422T055000	2018	04	22	05:50	38.4	42.8	0
20180422T055500	2018	04	22	05:55	38.3	42.9	0
20180422T060000	2018	04	22	06:00	38.4	43.2	0
20180422T060500	2018	04	22	06:05	38.4	42.9	0
20180422T061000	2018	04	22	06:10	38.8	42.7	0
20180422T061500	2018	04	22	06:15	38.6	42.5	0
20180422T062000	2018	04	22	06:20	38.9	42.9	0
20180422T062500	2018	04	22	06:25	39	42.9	0
20180422T063000	2018	04	22	06:30	39.1	42.5	0
20180422T063500	2018	04	22	06:35	38.9	42.3	0
20180422T064000	2018	04	22	06:40	38.6	42.4	0
20180422T064500	2018	04	22	06:45	38.5	42.6	0
20180422T065000	2018	04	22	06:50	38.7	42.9	0
20180422T065500	2018	04	22	06:55	38.7	42.8	0
20180422T070000	2018	04	22	07:00	38.6	42.9	0
20180422T070500	2018	04	22	07:05	38.6	43.1	0
20180422T071000	2018	04	22	07:10	38.6	43	0
20180422T071500	2018	04	22	07:15	38.9	42.6	0
20180422T072000	2018	04	22	07:20	38.8	42.6	0
20180422T072500	2018	04	22	07:25	38.9	42.7	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180422T073000	2018	04	22	07:30	38.9	42.8	0
20180422T073500	2018	04	22	07:35	39.3	43.1	0
20180422T074000	2018	04	22	07:40	39.7	40.6	0
20180422T074500	2018	04	22	07:45	39.9	41.2	0
20180422T075000	2018	04	22	07:50	40.1	39.6	0
20180422T075500	2018	04	22	07:55	40.2	39.7	0
20180422T080000	2018	04	22	08:00	40.2	38.5	0
20180422T080500	2018	04	22	08:05	40.5	39.3	0
20180422T081000	2018	04	22	08:10	40.7	38.4	0
20180422T081500	2018	04	22	08:15	40.8	38.5	0
20180422T082000	2018	04	22	08:20	41.1	38.1	0
20180422T082500	2018	04	22	08:25	41.1	36.7	0
20180422T083000	2018	04	22	08:30	41.6	38.1	0
20180422T083500	2018	04	22	08:35	41.4	36.4	0
20180422T084000	2018	04	22	08:40	41.9	36.6	0
20180422T084500	2018	04	22	08:45	42.1	36.8	0
20180422T085000	2018	04	22	08:50	42.1	36.1	0
20180422T085500	2018	04	22	08:55	42.5	36.7	0
20180422T090000	2018	04	22	09:00	43	37.6	0
20180422T090500	2018	04	22	09:05	43	36.8	0
20180422T091000	2018	04	22	09:10	43.4	37.4	0
20180422T091500	2018	04	22	09:15	43.6	36.5	0
20180422T092000	2018	04	22	09:20	43.7	36.1	0
20180422T092500	2018	04	22	09:25	44.4	37.1	0
20180422T093000	2018	04	22	09:30	44.8	36.2	0
20180422T093500	2018	04	22	09:35	45.1	36.6	0
20180422T094000	2018	04	22	09:40	45.3	36.1	0
20180422T094500	2018	04	22	09:45	45.4	35.8	0
20180422T095000	2018	04	22	09:50	46.1	36.7	0
20180422T095500	2018	04	22	09:55	45.9	35.8	0
20180422T100000	2018	04	22	10:00	46	34	0
20180422T100500	2018	04	22	10:05	46.2	34.3	0
20180422T101000	2018	04	22	10:10	46.6	33.4	0
20180422T101500	2018	04	22	10:15	46.8	33.1	0
20180422T102000	2018	04	22	10:20	47.3	32.9	0
20180422T102500	2018	04	22	10:25	48.4	32.6	0
20180422T103000	2018	04	22	10:30	48.4	30.5	0
20180422T103500	2018	04	22	10:35	49.1	30.3	0
20180422T104000	2018	04	22	10:40	48.8	29.3	0
20180422T104500	2018	04	22	10:45	50.1	30	0
20180422T105000	2018	04	22	10:50	50.2	28.9	0
20180422T105500	2018	04	22	10:55	49.9	28.2	0
20180422T110000	2018	04	22	11:00	49.7	27.2	0
20180422T110500	2018	04	22	11:05	49.9	27.9	0
20180422T111000	2018	04	22	11:10	50.3	28.1	0
20180422T111500	2018	04	22	11:15	50.7	28.7	0
20180422T112000	2018	04	22	11:20	50.4	28.6	0
20180422T112500	2018	04	22	11:25	51.5	28.9	0
20180422T113000	2018	04	22	11:30	51.2	28.7	0
20180422T113500	2018	04	22	11:35	51.6	25.3	0
20180422T114000	2018	04	22	11:40	51.1	23.7	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180422T114500	2018	04	22	11:45	51.9	26.3	0
20180422T115000	2018	04	22	11:50	51.2	25.9	0
20180422T115500	2018	04	22	11:55	51.3	26	0
20180422T120000	2018	04	22	12:00	52.3	26.6	0
20180422T120500	2018	04	22	12:05	51.8	26.7	0
20180422T121000	2018	04	22	12:10	51.9	26.4	0
20180422T121500	2018	04	22	12:15	52.7	27.3	0
20180422T122000	2018	04	22	12:20	52	25.3	0
20180422T122500	2018	04	22	12:25	51.4	25.9	0
20180422T123000	2018	04	22	12:30	51.8	26	0
20180422T123500	2018	04	22	12:35	53.6	26	0
20180422T124000	2018	04	22	12:40	53.3	25.3	0
20180422T124500	2018	04	22	12:45	52.3	24.2	0
20180422T125000	2018	04	22	12:50	52.7	24.5	0
20180422T125500	2018	04	22	12:55	52.9	24.8	0
20180422T130000	2018	04	22	13:00	53	23.9	0
20180422T130500	2018	04	22	13:05	52.6	23.2	0
20180422T131000	2018	04	22	13:10	53	24.6	0
20180422T131500	2018	04	22	13:15	53.8	25.2	0
20180422T132000	2018	04	22	13:20	52.5	23	0
20180422T132500	2018	04	22	13:25	52.9	23.6	0
20180422T133000	2018	04	22	13:30	53.3	25	0
20180422T133500	2018	04	22	13:35	54.5	26.3	0
20180422T134000	2018	04	22	13:40	54	24.2	0
20180422T134500	2018	04	22	13:45	53.6	24.3	0
20180422T135000	2018	04	22	13:50	53.3	23.7	0
20180422T135500	2018	04	22	13:55	53.6	25.4	0
20180422T140000	2018	04	22	14:00	54.1	26.1	0
20180422T140500	2018	04	22	14:05	54.2	23.4	0
20180422T141000	2018	04	22	14:10	53.9	24.8	0
20180422T141500	2018	04	22	14:15	53.6	23	0
20180422T142000	2018	04	22	14:20	53.9	24.3	0
20180422T142500	2018	04	22	14:25	53.9	25.3	0
20180422T143000	2018	04	22	14:30	53.7	24.6	0
20180422T143500	2018	04	22	14:35	54.2	26	0
20180422T144000	2018	04	22	14:40	53.8	25.1	0
20180422T144500	2018	04	22	14:45	54.7	26.1	0
20180422T145000	2018	04	22	14:50	53.2	25	0
20180422T145500	2018	04	22	14:55	54.4	26.3	0
20180422T150000	2018	04	22	15:00	54.5	25.2	0
20180422T150500	2018	04	22	15:05	54.8	26.7	0
20180422T151000	2018	04	22	15:10	56.2	27.2	0
20180422T151500	2018	04	22	15:15	55.5	24.9	0
20180422T152000	2018	04	22	15:20	54.1	24.6	0
20180422T152500	2018	04	22	15:25	53.9	25.7	0
20180422T153000	2018	04	22	15:30	55.6	27.6	0
20180422T153500	2018	04	22	15:35	55.2	26.8	0
20180422T154000	2018	04	22	15:40	54.5	27.9	0
20180422T154500	2018	04	22	15:45	54.2	27.1	0
20180422T155000	2018	04	22	15:50	54.8	27.6	0
20180422T155500	2018	04	22	15:55	54.9	26.2	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180422T160000	2018	04	22	16:00	54.3	27	0
20180422T160500	2018	04	22	16:05	54.4	27.7	0
20180422T161000	2018	04	22	16:10	54.7	28.1	0
20180422T161500	2018	04	22	16:15	54.3	27.6	0
20180422T162000	2018	04	22	16:20	55.2	28.4	0
20180422T162500	2018	04	22	16:25	54.6	26.4	0
20180422T163000	2018	04	22	16:30	55.8	28.3	0
20180422T163500	2018	04	22	16:35	55	27.2	0
20180422T164000	2018	04	22	16:40	54.4	27.1	0
20180422T164500	2018	04	22	16:45	55	28.1	0
20180422T165000	2018	04	22	16:50	54	28	0
20180422T165500	2018	04	22	16:55	54.8	27.6	0
20180422T170000	2018	04	22	17:00	54.4	26.5	0
20180422T170500	2018	04	22	17:05	53.9	25.9	0
20180422T171000	2018	04	22	17:10	54.6	26.2	0
20180422T171500	2018	04	22	17:15	54	26.8	0
20180422T172000	2018	04	22	17:20	53.6	25.8	0
20180422T172500	2018	04	22	17:25	54.2	26.5	0
20180422T173000	2018	04	22	17:30	54	25.9	0
20180422T173500	2018	04	22	17:35	53.9	27.6	0
20180422T174000	2018	04	22	17:40	53.4	25.4	0
20180422T174500	2018	04	22	17:45	53.5	25.7	0
20180422T175000	2018	04	22	17:50	53.4	25.6	0
20180422T175500	2018	04	22	17:55	53.4	25.7	0
20180422T180000	2018	04	22	18:00	53.3	26.3	0
20180422T180500	2018	04	22	18:05	53.3	27.6	0
20180422T181000	2018	04	22	18:10	52.9	26.4	0
20180422T181500	2018	04	22	18:15	52.8	27.7	0
20180422T182000	2018	04	22	18:20	52.8	26.2	0
20180422T182500	2018	04	22	18:25	52.7	26.2	0
20180422T183000	2018	04	22	18:30	52.7	26.1	0
20180422T183500	2018	04	22	18:35	52.4	26.1	0
20180422T184000	2018	04	22	18:40	52.5	29.1	0
20180422T184500	2018	04	22	18:45	52.1	28.3	0
20180422T185000	2018	04	22	18:50	51.9	27.3	0
20180422T185500	2018	04	22	18:55	51.7	27.3	0
20180422T190000	2018	04	22	19:00	51.5	27.2	0
20180422T190500	2018	04	22	19:05	51.2	27.9	0
20180422T191000	2018	04	22	19:10	50.9	29.1	0
20180422T191500	2018	04	22	19:15	50.5	29.6	0
20180422T192000	2018	04	22	19:20	50.2	29.2	0
20180422T192500	2018	04	22	19:25	49.8	29.3	0
20180422T193000	2018	04	22	19:30	49.6	29.5	0
20180422T193500	2018	04	22	19:35	49.1	30.6	0
20180422T194000	2018	04	22	19:40	48.7	31.1	0
20180422T194500	2018	04	22	19:45	48.6	30.7	0
20180422T195000	2018	04	22	19:50	47.9	31.4	0
20180422T195500	2018	04	22	19:55	47.6	31.7	0
20180422T200000	2018	04	22	20:00	46.9	32.7	0
20180422T200500	2018	04	22	20:05	47.1	31.6	0
20180422T201000	2018	04	22	20:10	46.4	32.6	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180422T201500	2018	04	22	20:15	46.5	32.1	0
20180422T202000	2018	04	22	20:20	46	32.6	0
20180422T202500	2018	04	22	20:25	45.9	32.1	0
20180422T203000	2018	04	22	20:30	45.4	32.6	0
20180422T203500	2018	04	22	20:35	45.4	32	0
20180422T204000	2018	04	22	20:40	45.4	31.3	0
20180422T204500	2018	04	22	20:45	45.2	31.3	0
20180422T205000	2018	04	22	20:50	45.1	31.6	0
20180422T205500	2018	04	22	20:55	44.7	31.7	0
20180422T210000	2018	04	22	21:00	44.8	31	0
20180422T210500	2018	04	22	21:05	44.5	31.1	0
20180422T211000	2018	04	22	21:10	44.5	30.8	0
20180422T211500	2018	04	22	21:15	44.6	30	0
20180422T212000	2018	04	22	21:20	44.3	29.8	0
20180422T212500	2018	04	22	21:25	44	30.1	0
20180422T213000	2018	04	22	21:30	44.4	29.1	0
20180422T213500	2018	04	22	21:35	44.1	29.4	0
20180422T214000	2018	04	22	21:40	44.1	29.2	0
20180422T214500	2018	04	22	21:45	44.3	28.6	0
20180422T215000	2018	04	22	21:50	44.1	28.5	0
20180422T215500	2018	04	22	21:55	44.1	28.5	0
20180422T220000	2018	04	22	22:00	44.2	28.8	0
20180422T220500	2018	04	22	22:05	44.2	28.8	0
20180422T221000	2018	04	22	22:10	44	29.3	0
20180422T221500	2018	04	22	22:15	43.4	30.5	0
20180422T222000	2018	04	22	22:20	43.7	30.1	0
20180422T222500	2018	04	22	22:25	43.8	29.8	0
20180422T223000	2018	04	22	22:30	43.7	29.5	0
20180422T223500	2018	04	22	22:35	43.6	29.6	0
20180422T224000	2018	04	22	22:40	44	29.2	0
20180422T224500	2018	04	22	22:45	43.7	29.8	0
20180422T225000	2018	04	22	22:50	43.7	29.9	0
20180422T225500	2018	04	22	22:55	43.6	29.7	0
20180422T230000	2018	04	22	23:00	43.7	29.4	0
20180422T230500	2018	04	22	23:05	44.1	28.7	0
20180422T231000	2018	04	22	23:10	44	28.5	0
20180422T231500	2018	04	22	23:15	43.6	28.9	0
20180422T232000	2018	04	22	23:20	43.8	28.4	0
20180422T232500	2018	04	22	23:25	43.8	28.2	0
20180422T233000	2018	04	22	23:30	44.5	27.1	0
20180422T233500	2018	04	22	23:35	44.3	27.2	0
20180422T234000	2018	04	22	23:40	44.4	26.9	0
20180422T234500	2018	04	22	23:45	44.1	26.8	0
20180422T235000	2018	04	22	23:50	43.6	27.4	0
20180422T235500	2018	04	22	23:55	43.8	27.4	0
20180423T000000	2018	04	23	00:00	43.7	27.1	0
20180423T000500	2018	04	23	00:05	43.9	27.1	0
20180423T001000	2018	04	23	00:10	44	26.8	0
20180423T001500	2018	04	23	00:15	43.9	26.6	0
20180423T002000	2018	04	23	00:20	43.6	26.8	0
20180423T002500	2018	04	23	00:25	43.7	27	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180423T003000	2018	04	23	00:30	43.5	26.9	0
20180423T003500	2018	04	23	00:35	43.2	27.4	0
20180423T004000	2018	04	23	00:40	43.4	27.3	0
20180423T004500	2018	04	23	00:45	43.5	27.4	0
20180423T005000	2018	04	23	00:50	43.4	27.5	0
20180423T005500	2018	04	23	00:55	43.2	27.6	0
20180423T010000	2018	04	23	01:00	43.6	27.5	0
20180423T010500	2018	04	23	01:05	43.6	27.6	0
20180423T011000	2018	04	23	01:10	43.6	29.1	0
20180423T011500	2018	04	23	01:15	43.5	30.4	0
20180423T012000	2018	04	23	01:20	43.8	30.2	0
20180423T012500	2018	04	23	01:25	43.5	29.9	0
20180423T013000	2018	04	23	01:30	43.1	29.9	0
20180423T013500	2018	04	23	01:35	43	29.5	0
20180423T014000	2018	04	23	01:40	42.9	29.3	0
20180423T014500	2018	04	23	01:45	42.5	29.6	0
20180423T015000	2018	04	23	01:50	42.1	29.8	0
20180423T015500	2018	04	23	01:55	42.1	29.8	0
20180423T020000	2018	04	23	02:00	42	30.6	0
20180423T020500	2018	04	23	02:05	42	31.2	0
20180423T021000	2018	04	23	02:10	41.5	32.1	0
20180423T021500	2018	04	23	02:15	41.2	33.6	0
20180423T022000	2018	04	23	02:20	41	33.5	0
20180423T022500	2018	04	23	02:25	40.9	33.2	0
20180423T023000	2018	04	23	02:30	40.9	32.9	0
20180423T023500	2018	04	23	02:35	40.2	33.4	0
20180423T024000	2018	04	23	02:40	39.9	35.6	0
20180423T024500	2018	04	23	02:45	40	33.4	0
20180423T025000	2018	04	23	02:50	40.1	34	0
20180423T025500	2018	04	23	02:55	40.9	32.9	0
20180423T030000	2018	04	23	03:00	40.9	32.5	0
20180423T030500	2018	04	23	03:05	40.6	32.6	0
20180423T031000	2018	04	23	03:10	40.9	32.4	0
20180423T031500	2018	04	23	03:15	40.9	32.6	0
20180423T032000	2018	04	23	03:20	40.9	32.5	0
20180423T032500	2018	04	23	03:25	40.8	32.4	0
20180423T033000	2018	04	23	03:30	40.9	32.2	0
20180423T033500	2018	04	23	03:35	40.8	32.3	0
20180423T034000	2018	04	23	03:40	40.1	33.4	0
20180423T034500	2018	04	23	03:45	39.6	34.1	0
20180423T035000	2018	04	23	03:50	39.7	34.2	0
20180423T035500	2018	04	23	03:55	40.3	33.6	0
20180423T040000	2018	04	23	04:00	40.1	33.5	0
20180423T040500	2018	04	23	04:05	39.3	34.3	0
20180423T041000	2018	04	23	04:10	39.4	34.9	0
20180423T041500	2018	04	23	04:15	39.6	34.7	0
20180423T042000	2018	04	23	04:20	40.1	34.1	0
20180423T042500	2018	04	23	04:25	40.5	33.8	0
20180423T043000	2018	04	23	04:30	40.4	34	0
20180423T043500	2018	04	23	04:35	40.1	35.1	0
20180423T044000	2018	04	23	04:40	40.9	33.8	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180423T044500	2018	04	23	04:45	40.4	34.5	0
20180423T045000	2018	04	23	04:50	40.2	35.2	0
20180423T045500	2018	04	23	04:55	40.4	34.7	0
20180423T050000	2018	04	23	05:00	40.3	34.6	0
20180423T050500	2018	04	23	05:05	40.3	34.6	0
20180423T051000	2018	04	23	05:10	40.4	34.5	0
20180423T051500	2018	04	23	05:15	40.7	34	0
20180423T052000	2018	04	23	05:20	40.4	34.5	0
20180423T052500	2018	04	23	05:25	40.1	35	0
20180423T053000	2018	04	23	05:30	40.1	35.3	0
20180423T053500	2018	04	23	05:35	40.3	35.1	0
20180423T054000	2018	04	23	05:40	40.7	34	0
20180423T054500	2018	04	23	05:45	40.3	34.6	0
20180423T055000	2018	04	23	05:50	40.2	34.8	0
20180423T055500	2018	04	23	05:55	40.3	34.7	0
20180423T060000	2018	04	23	06:00	40.4	34.5	0
20180423T060500	2018	04	23	06:05	40.4	34.3	0
20180423T061000	2018	04	23	06:10	40.2	34.6	0
20180423T061500	2018	04	23	06:15	40.3	34.7	0
20180423T062000	2018	04	23	06:20	40.7	34.1	0
20180423T062500	2018	04	23	06:25	41.2	33	0
20180423T063000	2018	04	23	06:30	41	33.8	0
20180423T063500	2018	04	23	06:35	41.2	33.5	0
20180423T064000	2018	04	23	06:40	41.6	33	0
20180423T064500	2018	04	23	06:45	42	32.4	0
20180423T065000	2018	04	23	06:50	41.4	33.5	0
20180423T065500	2018	04	23	06:55	41.9	32.5	0
20180423T070000	2018	04	23	07:00	41.9	32.2	0
20180423T070500	2018	04	23	07:05	41.6	33.1	0
20180423T071000	2018	04	23	07:10	42	32.3	0
20180423T071500	2018	04	23	07:15	42.5	31.7	0
20180423T072000	2018	04	23	07:20	42.9	31	0
20180423T072500	2018	04	23	07:25	43.4	30.2	0
20180423T073000	2018	04	23	07:30	43.3	30.9	0
20180423T073500	2018	04	23	07:35	43.8	30.2	0
20180423T074000	2018	04	23	07:40	44	30	0
20180423T074500	2018	04	23	07:45	43.9	30.4	0
20180423T075000	2018	04	23	07:50	44.3	29.5	0
20180423T075500	2018	04	23	07:55	44.5	29.5	0
20180423T080000	2018	04	23	08:00	44.7	29.7	0
20180423T080500	2018	04	23	08:05	45	29.5	0
20180423T081000	2018	04	23	08:10	45.4	29	0
20180423T081500	2018	04	23	08:15	45.9	29	0
20180423T082000	2018	04	23	08:20	46.1	29	0
20180423T082500	2018	04	23	08:25	46.6	28.7	0
20180423T083000	2018	04	23	08:30	47	28.5	0
20180423T083500	2018	04	23	08:35	47.3	28.3	0
20180423T084000	2018	04	23	08:40	47.5	27.6	0
20180423T084500	2018	04	23	08:45	47.9	27.7	0
20180423T085000	2018	04	23	08:50	48.1	27.6	0
20180423T085500	2018	04	23	08:55	48.2	27.9	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180423T090000	2018	04	23	09:00	48.2	27.9	0
20180423T090500	2018	04	23	09:05	48.2	28.8	0
20180423T091000	2018	04	23	09:10	48.4	28.9	0
20180423T091500	2018	04	23	09:15	48.6	28.3	0
20180423T092000	2018	04	23	09:20	49	28.4	0
20180423T092500	2018	04	23	09:25	49.1	28.9	0
20180423T093000	2018	04	23	09:30	49.6	28.1	0
20180423T093500	2018	04	23	09:35	49.9	28	0
20180423T094000	2018	04	23	09:40	50.3	27.8	0
20180423T094500	2018	04	23	09:45	50.6	27.5	0
20180423T095000	2018	04	23	09:50	51.3	27.1	0
20180423T095500	2018	04	23	09:55	51.6	27.4	0
20180423T100000	2018	04	23	10:00	52.2	27.6	0
20180423T100500	2018	04	23	10:05	52.6	27.2	0
20180423T101000	2018	04	23	10:10	52.2	27.3	0
20180423T101500	2018	04	23	10:15	52.9	27.9	0
20180423T102000	2018	04	23	10:20	53.5	27.3	0
20180423T102500	2018	04	23	10:25	53.6	25.9	0
20180423T103000	2018	04	23	10:30	54	24.6	0
20180423T103500	2018	04	23	10:35	54.1	24.3	0
20180423T104000	2018	04	23	10:40	54.2	24.9	0
20180423T104500	2018	04	23	10:45	55	24.7	0
20180423T105000	2018	04	23	10:50	55	24.2	0
20180423T105500	2018	04	23	10:55	55.6	25.5	0
20180423T110000	2018	04	23	11:00	56.2	24.3	0
20180423T110500	2018	04	23	11:05	56.1	24.6	0
20180423T111000	2018	04	23	11:10	56.2	24.2	0
20180423T111500	2018	04	23	11:15	56.9	25.1	0
20180423T112000	2018	04	23	11:20	57.4	23.9	0
20180423T112500	2018	04	23	11:25	57.6	23.7	0
20180423T113000	2018	04	23	11:30	56.9	23.2	0
20180423T113500	2018	04	23	11:35	56.9	22.6	0
20180423T114000	2018	04	23	11:40	57.5	22.6	0
20180423T114500	2018	04	23	11:45	57.5	22.9	0
20180423T115000	2018	04	23	11:50	57.6	22	0
20180423T115500	2018	04	23	11:55	57.3	21.5	0
20180423T120000	2018	04	23	12:00	57.6	23	0
20180423T120500	2018	04	23	12:05	57.8	23.8	0
20180423T121000	2018	04	23	12:10	58.6	23.6	0
20180423T121500	2018	04	23	12:15	59	23.7	0
20180423T122000	2018	04	23	12:20	59.7	22.1	0
20180423T122500	2018	04	23	12:25	59.5	21.7	0
20180423T123000	2018	04	23	12:30	58.9	21.5	0
20180423T123500	2018	04	23	12:35	59.1	21.8	0
20180423T124000	2018	04	23	12:40	60.3	21.1	0
20180423T124500	2018	04	23	12:45	59.8	20.7	0
20180423T125000	2018	04	23	12:50	59.9	21.5	0
20180423T125500	2018	04	23	12:55	60.1	20.9	0
20180423T130000	2018	04	23	13:00	60.3	21	0
20180423T130500	2018	04	23	13:05	61.6	20.3	0
20180423T131000	2018	04	23	13:10	60.7	18.9	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180423T131500	2018	04	23	13:15	61.3	19.3	0
20180423T132000	2018	04	23	13:20	61	17.1	0
20180423T132500	2018	04	23	13:25	60.8	19.9	0
20180423T133000	2018	04	23	13:30	60.6	20.3	0
20180423T133500	2018	04	23	13:35	61.6	18.7	0
20180423T134000	2018	04	23	13:40	62.1	19	0
20180423T134500	2018	04	23	13:45	61.4	20	0
20180423T135000	2018	04	23	13:50	61.8	20.4	0
20180423T135500	2018	04	23	13:55	61.1	19	0
20180423T140000	2018	04	23	14:00	62.3	19.9	0
20180423T140500	2018	04	23	14:05	61.6	20.6	0
20180423T141000	2018	04	23	14:10	63.5	21.1	0
20180423T141500	2018	04	23	14:15	62.6	19.9	0
20180423T142000	2018	04	23	14:20	63.1	20.4	0
20180423T142500	2018	04	23	14:25	62.9	19.9	0
20180423T143000	2018	04	23	14:30	62.6	20.4	0
20180423T143500	2018	04	23	14:35	62.7	20.2	0
20180423T144000	2018	04	23	14:40	63.8	19.9	0
20180423T144500	2018	04	23	14:45	63.5	20.1	0
20180423T145000	2018	04	23	14:50	64	19.8	0
20180423T145500	2018	04	23	14:55	63.7	20.4	0
20180423T150000	2018	04	23	15:00	63.8	21.2	0
20180423T150500	2018	04	23	15:05	64.3	19.9	0
20180423T151000	2018	04	23	15:10	65.1	20.8	0
20180423T151500	2018	04	23	15:15	64.5	19.7	0
20180423T152000	2018	04	23	15:20	65.2	19.9	0
20180423T152500	2018	04	23	15:25	64.4	20.6	0
20180423T153000	2018	04	23	15:30	65.3	22	0
20180423T153500	2018	04	23	15:35	65.3	21.2	0
20180423T154000	2018	04	23	15:40	64.7	21.7	0
20180423T154500	2018	04	23	15:45	64.9	22.5	0
20180423T155000	2018	04	23	15:50	64.5	21	0
20180423T155500	2018	04	23	15:55	65.6	21.7	0
20180423T160000	2018	04	23	16:00	65.3	19.8	0
20180423T160500	2018	04	23	16:05	65	20.8	0
20180423T161000	2018	04	23	16:10	65.3	21.1	0
20180423T161500	2018	04	23	16:15	64.9	21.3	0
20180423T162000	2018	04	23	16:20	64.6	20.6	0
20180423T162500	2018	04	23	16:25	65.1	21.7	0
20180423T163000	2018	04	23	16:30	65.9	21.7	0
20180423T163500	2018	04	23	16:35	65.6	21.2	0
20180423T164000	2018	04	23	16:40	65.9	22.1	0
20180423T164500	2018	04	23	16:45	65.9	22	0
20180423T165000	2018	04	23	16:50	66	21.2	0
20180423T165500	2018	04	23	16:55	65.4	21.6	0
20180423T170000	2018	04	23	17:00	65.5	20.6	0
20180423T170500	2018	04	23	17:05	65.9	21.1	0
20180423T171000	2018	04	23	17:10	65.6	20.4	0
20180423T171500	2018	04	23	17:15	65.9	21.7	0
20180423T172000	2018	04	23	17:20	66.2	21.8	0
20180423T172500	2018	04	23	17:25	65.9	21.8	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180423T173000	2018	04	23	17:30	65.2	22.3	0
20180423T173500	2018	04	23	17:35	65.5	22.3	0
20180423T174000	2018	04	23	17:40	65.1	22.5	0
20180423T174500	2018	04	23	17:45	64.7	22.6	0
20180423T175000	2018	04	23	17:50	65.2	23.1	0
20180423T175500	2018	04	23	17:55	64.9	23	0
20180423T180000	2018	04	23	18:00	65.1	24	0
20180423T180500	2018	04	23	18:05	64.3	23.8	0
20180423T181000	2018	04	23	18:10	64.6	24.5	0
20180423T181500	2018	04	23	18:15	64.4	24.1	0
20180423T182000	2018	04	23	18:20	64.3	23.3	0
20180423T182500	2018	04	23	18:25	64	23.3	0
20180423T183000	2018	04	23	18:30	64	25.1	0
20180423T183500	2018	04	23	18:35	64	25.1	0
20180423T184000	2018	04	23	18:40	63.7	25.6	0
20180423T184500	2018	04	23	18:45	63	26.2	0
20180423T185000	2018	04	23	18:50	62.6	25.9	0
20180423T185500	2018	04	23	18:55	62.3	26.3	0
20180423T190000	2018	04	23	19:00	62.3	26.6	0
20180423T190500	2018	04	23	19:05	62.1	27	0
20180423T191000	2018	04	23	19:10	62.1	27.3	0
20180423T191500	2018	04	23	19:15	62.2	26.6	0
20180423T192000	2018	04	23	19:20	61.8	26.2	0
20180423T192500	2018	04	23	19:25	61.4	26.5	0
20180423T193000	2018	04	23	19:30	61	26.5	0
20180423T193500	2018	04	23	19:35	60.8	26.3	0
20180423T194000	2018	04	23	19:40	60.6	26.2	0
20180423T194500	2018	04	23	19:45	60	27	0
20180423T195000	2018	04	23	19:50	60.1	26.5	0
20180423T195500	2018	04	23	19:55	59.5	27.2	0
20180423T200000	2018	04	23	20:00	59.5	27.1	0
20180423T200500	2018	04	23	20:05	59.1	27.8	0
20180423T201000	2018	04	23	20:10	58.9	28.4	0
20180423T201500	2018	04	23	20:15	58.9	28.4	0
20180423T202000	2018	04	23	20:20	58.9	28.7	0
20180423T202500	2018	04	23	20:25	58.9	29.4	0
20180423T203000	2018	04	23	20:30	58.6	30.1	0
20180423T203500	2018	04	23	20:35	58.3	30.5	0
20180423T204000	2018	04	23	20:40	58	31.4	0
20180423T204500	2018	04	23	20:45	57.5	32.3	0
20180423T205000	2018	04	23	20:50	57.1	33.2	0
20180423T205500	2018	04	23	20:55	57.3	33.6	0
20180423T210000	2018	04	23	21:00	57.4	33.4	0
20180423T210500	2018	04	23	21:05	57.9	33.5	0
20180423T211000	2018	04	23	21:10	58	33.7	0
20180423T211500	2018	04	23	21:15	57.8	34.5	0
20180423T212000	2018	04	23	21:20	57.6	34.9	0
20180423T212500	2018	04	23	21:25	57.4	35.7	0
20180423T213000	2018	04	23	21:30	57.4	36	0
20180423T213500	2018	04	23	21:35	57.2	36.5	0
20180423T214000	2018	04	23	21:40	57.1	36.9	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180423T214500	2018	04	23	21:45	56.9	37.5	0
20180423T215000	2018	04	23	21:50	56.7	37.7	0
20180423T215500	2018	04	23	21:55	56.9	37.9	0
20180423T220000	2018	04	23	22:00	56.7	37.8	0
20180423T220500	2018	04	23	22:05	56.7	38	0
20180423T221000	2018	04	23	22:10	56.6	38.1	0
20180423T221500	2018	04	23	22:15	56.2	38.8	0
20180423T222000	2018	04	23	22:20	56.1	39	0
20180423T222500	2018	04	23	22:25	56.3	39.1	0
20180423T223000	2018	04	23	22:30	56.1	39.3	0
20180423T223500	2018	04	23	22:35	55.8	40	0
20180423T224000	2018	04	23	22:40	55.6	40.3	0
20180423T224500	2018	04	23	22:45	55.5	40.3	0
20180423T225000	2018	04	23	22:50	55.4	40.5	0
20180423T225500	2018	04	23	22:55	55.1	41	0
20180423T230000	2018	04	23	23:00	55.4	40.3	0
20180423T230500	2018	04	23	23:05	54.9	40.8	0
20180423T231000	2018	04	23	23:10	54.7	41.3	0
20180423T231500	2018	04	23	23:15	54.7	41.1	0
20180423T232000	2018	04	23	23:20	54.7	41.2	0
20180423T232500	2018	04	23	23:25	54.7	41	0
20180423T233000	2018	04	23	23:30	54.4	41.2	0
20180423T233500	2018	04	23	23:35	54.5	40.9	0
20180423T234000	2018	04	23	23:40	54.4	40.9	0
20180423T234500	2018	04	23	23:45	54.2	41.1	0
20180423T235000	2018	04	23	23:50	54	41.5	0
20180423T235500	2018	04	23	23:55	53.7	42	0
20180424T000000	2018	04	24	00:00	53.5	42.3	0
20180424T000500	2018	04	24	00:05	53.2	42.7	0
20180424T001000	2018	04	24	00:10	53.2	42.7	0
20180424T001500	2018	04	24	00:15	53.2	42.7	0
20180424T002000	2018	04	24	00:20	52.8	43.2	0
20180424T002500	2018	04	24	00:25	52.6	43.9	0
20180424T003000	2018	04	24	00:30	52.2	44.4	0
20180424T003500	2018	04	24	00:35	52.1	44.7	0
20180424T004000	2018	04	24	00:40	52	44.8	0
20180424T004500	2018	04	24	00:45	52.1	44.6	0
20180424T005000	2018	04	24	00:50	52.3	44.1	0
20180424T005500	2018	04	24	00:55	52.1	44.4	0
20180424T010000	2018	04	24	01:00	52.2	43.9	0
20180424T010500	2018	04	24	01:05	52.1	43.9	0
20180424T011000	2018	04	24	01:10	51.9	44.6	0
20180424T011500	2018	04	24	01:15	51.8	44.7	0
20180424T012000	2018	04	24	01:20	51.5	45.7	0
20180424T012500	2018	04	24	01:25	51.8	45.2	0
20180424T013000	2018	04	24	01:30	51.5	45.6	0
20180424T013500	2018	04	24	01:35	51.2	46.2	0
20180424T014000	2018	04	24	01:40	51.1	46.6	0
20180424T014500	2018	04	24	01:45	51.1	46.6	0
20180424T015000	2018	04	24	01:50	51.1	46.5	0
20180424T015500	2018	04	24	01:55	51.3	46.2	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180424T020000	2018	04	24	02:00	51.2	46	0
20180424T020500	2018	04	24	02:05	50.9	46.9	0
20180424T021000	2018	04	24	02:10	50.9	46.9	0
20180424T021500	2018	04	24	02:15	50.8	47.3	0
20180424T022000	2018	04	24	02:20	50.8	47.6	0
20180424T022500	2018	04	24	02:25	50.7	48.2	0
20180424T023000	2018	04	24	02:30	50.7	48.5	0
20180424T023500	2018	04	24	02:35	50.7	49.2	0
20180424T024000	2018	04	24	02:40	50.6	49.4	0
20180424T024500	2018	04	24	02:45	50.4	50.3	0
20180424T025000	2018	04	24	02:50	50.4	50.4	0
20180424T025500	2018	04	24	02:55	50.3	51	0
20180424T030000	2018	04	24	03:00	50.3	51.1	0
20180424T030500	2018	04	24	03:05	50.2	51.8	0
20180424T031000	2018	04	24	03:10	50.1	52.1	0
20180424T031500	2018	04	24	03:15	50.2	52.1	0
20180424T032000	2018	04	24	03:20	50.1	52.2	0
20180424T032500	2018	04	24	03:25	50	52.7	0
20180424T033000	2018	04	24	03:30	49.8	53.2	0
20180424T033500	2018	04	24	03:35	49.7	53.8	0
20180424T034000	2018	04	24	03:40	49.4	54.2	0
20180424T034500	2018	04	24	03:45	49.2	55.2	0
20180424T035000	2018	04	24	03:50	49.4	55.3	0
20180424T035500	2018	04	24	03:55	49.2	55.7	0
20180424T040000	2018	04	24	04:00	49.5	55.3	0
20180424T040500	2018	04	24	04:05	49.2	55.4	0
20180424T041000	2018	04	24	04:10	49	56.1	0
20180424T041500	2018	04	24	04:15	49	56.4	0
20180424T042000	2018	04	24	04:20	49.2	56	0
20180424T042500	2018	04	24	04:25	49.1	56.5	0
20180424T043000	2018	04	24	04:30	48.8	57.1	0
20180424T043500	2018	04	24	04:35	48.9	57.6	0
20180424T044000	2018	04	24	04:40	48.6	58.1	0
20180424T044500	2018	04	24	04:45	48.5	59.2	0
20180424T045000	2018	04	24	04:50	48.3	60.3	0
20180424T045500	2018	04	24	04:55	48	61.3	0
20180424T050000	2018	04	24	05:00	48	61.1	0
20180424T050500	2018	04	24	05:05	47.8	62.2	0
20180424T051000	2018	04	24	05:10	47.8	62.9	0
20180424T051500	2018	04	24	05:15	47.6	63.8	0
20180424T052000	2018	04	24	05:20	47.3	65.3	0
20180424T052500	2018	04	24	05:25	47.4	66.3	0
20180424T053000	2018	04	24	05:30	47.7	66.2	0
20180424T053500	2018	04	24	05:35	47.7	66	0
20180424T054000	2018	04	24	05:40	47.5	66.1	0
20180424T054500	2018	04	24	05:45	47.3	66.8	0
20180424T055000	2018	04	24	05:50	47.4	65.9	0
20180424T055500	2018	04	24	05:55	47.4	65.6	0
20180424T060000	2018	04	24	06:00	47.2	66	0
20180424T060500	2018	04	24	06:05	47.3	64.4	0
20180424T061000	2018	04	24	06:10	47.3	63.2	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180424T061500	2018	04	24	06:15	47	63.6	0
20180424T062000	2018	04	24	06:20	46.8	63.8	0
20180424T062500	2018	04	24	06:25	46.8	63.1	0
20180424T063000	2018	04	24	06:30	47	61.5	0
20180424T063500	2018	04	24	06:35	46.8	61.3	0
20180424T064000	2018	04	24	06:40	46.8	61.3	0
20180424T064500	2018	04	24	06:45	46.9	59.9	0
20180424T065000	2018	04	24	06:50	46.8	59.1	0
20180424T065500	2018	04	24	06:55	46.9	57.1	0
20180424T070000	2018	04	24	07:00	46.9	56.4	0
20180424T070500	2018	04	24	07:05	46.9	55.7	0
20180424T071000	2018	04	24	07:10	47.1	53.9	0
20180424T071500	2018	04	24	07:15	47	53.2	0
20180424T072000	2018	04	24	07:20	47.2	51.9	0
20180424T072500	2018	04	24	07:25	47.2	50.5	0
20180424T073000	2018	04	24	07:30	47.3	49.2	0
20180424T073500	2018	04	24	07:35	47.4	47.7	0
20180424T074000	2018	04	24	07:40	47.7	46.3	0
20180424T074500	2018	04	24	07:45	48.1	45	0
20180424T075000	2018	04	24	07:50	48.4	43.5	0
20180424T075500	2018	04	24	07:55	48.4	42.9	0
20180424T080000	2018	04	24	08:00	48.5	42	0
20180424T080500	2018	04	24	08:05	48.5	41.4	0
20180424T081000	2018	04	24	08:10	48.6	40.7	0
20180424T081500	2018	04	24	08:15	49	40.8	0
20180424T082000	2018	04	24	08:20	49.4	39.8	0
20180424T082500	2018	04	24	08:25	49.4	39.6	0
20180424T083000	2018	04	24	08:30	49.3	40.3	0
20180424T083500	2018	04	24	08:35	49.3	40.6	0
20180424T084000	2018	04	24	08:40	49.4	41.2	0
20180424T084500	2018	04	24	08:45	49.7	41.1	0
20180424T085000	2018	04	24	08:50	49.7	40.7	0
20180424T085500	2018	04	24	08:55	50.1	40.5	0
20180424T090000	2018	04	24	09:00	50.2	40.3	0
20180424T090500	2018	04	24	09:05	50.5	40	0
20180424T091000	2018	04	24	09:10	50.6	40.1	0
20180424T091500	2018	04	24	09:15	51	39.9	0
20180424T092000	2018	04	24	09:20	51	40.1	0
20180424T092500	2018	04	24	09:25	51.2	40.3	0
20180424T093000	2018	04	24	09:30	51.5	39.7	0
20180424T093500	2018	04	24	09:35	52.1	39.5	0
20180424T094000	2018	04	24	09:40	51.9	39.1	0
20180424T094500	2018	04	24	09:45	52.4	39.2	0
20180424T095000	2018	04	24	09:50	52.5	39	0
20180424T095500	2018	04	24	09:55	53.1	39.3	0
20180424T100000	2018	04	24	10:00	53.8	38.4	0
20180424T100500	2018	04	24	10:05	54	37.9	0
20180424T101000	2018	04	24	10:10	54.8	37.3	0
20180424T101500	2018	04	24	10:15	53.9	36.5	0
20180424T102000	2018	04	24	10:20	54.8	37.4	0
20180424T102500	2018	04	24	10:25	55.1	36	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180424T103000	2018	04	24	10:30	55.6	36.4	0
20180424T103500	2018	04	24	10:35	55.9	36.1	0
20180424T104000	2018	04	24	10:40	55.4	35.9	0
20180424T104500	2018	04	24	10:45	56.6	36.3	0
20180424T105000	2018	04	24	10:50	56.2	36.4	0
20180424T105500	2018	04	24	10:55	56.6	36.3	0
20180424T110000	2018	04	24	11:00	57.1	35.9	0
20180424T110500	2018	04	24	11:05	57.2	35.4	0
20180424T111000	2018	04	24	11:10	58.2	35.2	0
20180424T111500	2018	04	24	11:15	59	34.9	0
20180424T112000	2018	04	24	11:20	57.8	34.4	0
20180424T112500	2018	04	24	11:25	57.1	34.5	0
20180424T113000	2018	04	24	11:30	57.4	35.5	0
20180424T113500	2018	04	24	11:35	57.3	36.3	0
20180424T114000	2018	04	24	11:40	58.4	35.4	0
20180424T114500	2018	04	24	11:45	58.2	35.3	0
20180424T115000	2018	04	24	11:50	59.2	35.8	0
20180424T115500	2018	04	24	11:55	58.9	35.6	0
20180424T120000	2018	04	24	12:00	59.3	34.7	0
20180424T120500	2018	04	24	12:05	59.3	34.6	0
20180424T121000	2018	04	24	12:10	59.7	35.7	0
20180424T121500	2018	04	24	12:15	59.2	35.5	0
20180424T122000	2018	04	24	12:20	59.7	35.4	0
20180424T122500	2018	04	24	12:25	60.5	35	0
20180424T123000	2018	04	24	12:30	60.1	35.9	0
20180424T123500	2018	04	24	12:35	60.7	36.9	0
20180424T124000	2018	04	24	12:40	60.2	38.1	0
20180424T124500	2018	04	24	12:45	60	39	0
20180424T125000	2018	04	24	12:50	60	39.2	0
20180424T125500	2018	04	24	12:55	60.1	41	0
20180424T130000	2018	04	24	13:00	61	40	0
20180424T130500	2018	04	24	13:05	60.4	39.1	0
20180424T131000	2018	04	24	13:10	61.1	38.9	0
20180424T131500	2018	04	24	13:15	61.4	38.6	0
20180424T132000	2018	04	24	13:20	62.9	37.4	0
20180424T132500	2018	04	24	13:25	61.4	37.7	0
20180424T133000	2018	04	24	13:30	62	36.2	0
20180424T133500	2018	04	24	13:35	61.2	37.2	0
20180424T134000	2018	04	24	13:40	60.8	39.2	0
20180424T134500	2018	04	24	13:45	61.7	38.7	0
20180424T135000	2018	04	24	13:50	61	38.8	0
20180424T135500	2018	04	24	13:55	61.6	39.1	0
20180424T140000	2018	04	24	14:00	61.6	39.4	0
20180424T140500	2018	04	24	14:05	60.7	39.8	0
20180424T141000	2018	04	24	14:10	62.3	36.5	0
20180424T141500	2018	04	24	14:15	61.1	34.8	0
20180424T142000	2018	04	24	14:20	59.9	36.9	0
20180424T142500	2018	04	24	14:25	60.2	37.2	0
20180424T143000	2018	04	24	14:30	60.2	35.9	0
20180424T143500	2018	04	24	14:35	60.5	37.1	0
20180424T144000	2018	04	24	14:40	60	37.9	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180424T144500	2018	04	24	14:45	61.3	37.7	0
20180424T145000	2018	04	24	14:50	61.6	37.3	0
20180424T145500	2018	04	24	14:55	62.5	37	0
20180424T150000	2018	04	24	15:00	61	39	0
20180424T150500	2018	04	24	15:05	61.8	36.3	0
20180424T151000	2018	04	24	15:10	60.8	38.8	0
20180424T151500	2018	04	24	15:15	60.3	38.5	0
20180424T152000	2018	04	24	15:20	60.4	38.7	0
20180424T152500	2018	04	24	15:25	60.2	36.6	0
20180424T153000	2018	04	24	15:30	60.1	38	0
20180424T153500	2018	04	24	15:35	60.6	37.4	0
20180424T154000	2018	04	24	15:40	60.9	37.3	0
20180424T154500	2018	04	24	15:45	61.9	36.2	0
20180424T155000	2018	04	24	15:50	60.8	35.6	0
20180424T155500	2018	04	24	15:55	60	36.5	0
20180424T160000	2018	04	24	16:00	61	36.6	0
20180424T160500	2018	04	24	16:05	61.1	36	0
20180424T161000	2018	04	24	16:10	60.5	36	0
20180424T161500	2018	04	24	16:15	60.7	36.6	0
20180424T162000	2018	04	24	16:20	61.1	35.7	0
20180424T162500	2018	04	24	16:25	60.5	35.2	0
20180424T163000	2018	04	24	16:30	60.6	35.5	0
20180424T163500	2018	04	24	16:35	60.8	35.2	0
20180424T164000	2018	04	24	16:40	60.8	34.7	0
20180424T164500	2018	04	24	16:45	62	33.8	0
20180424T165000	2018	04	24	16:50	61.4	34	0
20180424T165500	2018	04	24	16:55	60.2	35.2	0
20180424T170000	2018	04	24	17:00	60.3	36.5	0
20180424T170500	2018	04	24	17:05	60.5	36.1	0
20180424T171000	2018	04	24	17:10	60.4	36.4	0
20180424T171500	2018	04	24	17:15	60.3	36.2	0
20180424T172000	2018	04	24	17:20	60.1	37.1	0
20180424T172500	2018	04	24	17:25	60.3	36.7	0
20180424T173000	2018	04	24	17:30	60.3	35.8	0
20180424T173500	2018	04	24	17:35	60.4	37.3	0
20180424T174000	2018	04	24	17:40	60.1	37	0
20180424T174500	2018	04	24	17:45	60.1	36.2	0
20180424T175000	2018	04	24	17:50	60	36.9	0
20180424T175500	2018	04	24	17:55	59.8	37.4	0
20180424T180000	2018	04	24	18:00	59.7	36.8	0
20180424T180500	2018	04	24	18:05	59.5	36.9	0
20180424T181000	2018	04	24	18:10	59.3	37.5	0
20180424T181500	2018	04	24	18:15	59.3	37.3	0
20180424T182000	2018	04	24	18:20	59.1	38.4	0
20180424T182500	2018	04	24	18:25	58.9	39.1	0
20180424T183000	2018	04	24	18:30	58.8	39.1	0
20180424T183500	2018	04	24	18:35	58.7	39.5	0
20180424T184000	2018	04	24	18:40	58.5	39.8	0
20180424T184500	2018	04	24	18:45	58.3	40.9	0
20180424T185000	2018	04	24	18:50	58.1	41.2	0
20180424T185500	2018	04	24	18:55	57.7	42.7	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180424T190000	2018	04	24	19:00	57.5	42.9	0
20180424T190500	2018	04	24	19:05	57.2	43.2	0
20180424T191000	2018	04	24	19:10	56.9	44	0
20180424T191500	2018	04	24	19:15	56.7	44	0
20180424T192000	2018	04	24	19:20	56.6	44.2	0
20180424T192500	2018	04	24	19:25	56.4	44.9	0
20180424T193000	2018	04	24	19:30	56.4	45.2	0
20180424T193500	2018	04	24	19:35	56.2	45.8	0
20180424T194000	2018	04	24	19:40	56.2	46	0
20180424T194500	2018	04	24	19:45	56	46.4	0
20180424T195000	2018	04	24	19:50	55.8	47.1	0
20180424T195500	2018	04	24	19:55	55.8	47.1	0
20180424T200000	2018	04	24	20:00	55.7	47.1	0
20180424T200500	2018	04	24	20:05	55.6	47.3	0
20180424T201000	2018	04	24	20:10	55.5	47.4	0
20180424T201500	2018	04	24	20:15	55.4	47.6	0
20180424T202000	2018	04	24	20:20	55.3	48	0
20180424T202500	2018	04	24	20:25	55.1	48.4	0
20180424T203000	2018	04	24	20:30	55.1	48.1	0
20180424T203500	2018	04	24	20:35	55	48.2	0
20180424T204000	2018	04	24	20:40	54.8	48.7	0
20180424T204500	2018	04	24	20:45	54.7	48.9	0
20180424T205000	2018	04	24	20:50	54.7	49	0
20180424T205500	2018	04	24	20:55	54.5	49.2	0
20180424T210000	2018	04	24	21:00	54.4	49.7	0
20180424T210500	2018	04	24	21:05	54.4	49.7	0
20180424T211000	2018	04	24	21:10	54.4	49.9	0
20180424T211500	2018	04	24	21:15	54.2	50.3	0
20180424T212000	2018	04	24	21:20	54	51.1	0
20180424T212500	2018	04	24	21:25	54.1	50.9	0
20180424T213000	2018	04	24	21:30	54.1	50.7	0
20180424T213500	2018	04	24	21:35	53.9	50.9	0
20180424T214000	2018	04	24	21:40	53.8	51.1	0
20180424T214500	2018	04	24	21:45	53.7	51.6	0
20180424T215000	2018	04	24	21:50	53.8	51.5	0
20180424T215500	2018	04	24	21:55	53.7	51.4	0
20180424T220000	2018	04	24	22:00	53.6	52	0
20180424T220500	2018	04	24	22:05	53.6	52.3	0
20180424T221000	2018	04	24	22:10	53.4	52.9	0
20180424T221500	2018	04	24	22:15	53.3	53.4	0
20180424T222000	2018	04	24	22:20	53.1	54	0
20180424T222500	2018	04	24	22:25	52.9	56	0
20180424T223000	2018	04	24	22:30	52.4	58.5	0
20180424T223500	2018	04	24	22:35	52.1	60.1	0
20180424T224000	2018	04	24	22:40	51.5	63.5	0
20180424T224500	2018	04	24	22:45	51.2	65.3	0
20180424T225000	2018	04	24	22:50	51.1	66.6	0
20180424T225500	2018	04	24	22:55	50.8	68.7	0
20180424T230000	2018	04	24	23:00	50.7	68.6	0
20180424T230500	2018	04	24	23:05	50.4	70.7	0
20180424T231000	2018	04	24	23:10	50.1	73.8	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180424T231500	2018	04	24	23:15	49.5	79.1	0
20180424T232000	2018	04	24	23:20	49	83.7	0
20180424T232500	2018	04	24	23:25	48.7	86.1	0
20180424T233000	2018	04	24	23:30	48.6	87.4	0
20180424T233500	2018	04	24	23:35	48.2	90.4	0
20180424T234000	2018	04	24	23:40	48	93.2	0
20180424T234500	2018	04	24	23:45	47.8	95.1	0
20180424T235000	2018	04	24	23:50	47.6	96.4	0
20180424T235500	2018	04	24	23:55	47.5	97.5	0
20180425T000000	2018	04	25	00:00	47.3	98.7	0
20180425T000500	2018	04	25	00:05	47.1	99.8	0
20180425T001000	2018	04	25	00:10	46.9	100	0
20180425T001500	2018	04	25	00:15	46.8	100	0
20180425T002000	2018	04	25	00:20	46.7	100	0
20180425T002500	2018	04	25	00:25	46.5	100	0
20180425T003000	2018	04	25	00:30	46.4	100	0
20180425T003500	2018	04	25	00:35	46.2	100	0
20180425T004000	2018	04	25	00:40	46.1	100	0
20180425T004500	2018	04	25	00:45	46.1	100	0
20180425T005000	2018	04	25	00:50	46.1	100	0
20180425T005500	2018	04	25	00:55	46.1	100	0
20180425T010000	2018	04	25	01:00	46	100	0
20180425T010500	2018	04	25	01:05	45.9	100	0
20180425T011000	2018	04	25	01:10	45.8	100	0
20180425T011500	2018	04	25	01:15	45.7	100	0
20180425T012000	2018	04	25	01:20	45.7	100	0
20180425T012500	2018	04	25	01:25	45.7	100	0
20180425T013000	2018	04	25	01:30	45.7	100	0
20180425T013500	2018	04	25	01:35	45.7	100	0
20180425T014000	2018	04	25	01:40	45.7	100	0
20180425T014500	2018	04	25	01:45	45.7	100	0
20180425T015000	2018	04	25	01:50	45.6	100	0
20180425T015500	2018	04	25	01:55	45.6	100	0
20180425T020000	2018	04	25	02:00	45.6	100	0
20180425T020500	2018	04	25	02:05	45.5	100	0
20180425T021000	2018	04	25	02:10	45.5	100	0
20180425T021500	2018	04	25	02:15	45.5	100	0
20180425T022000	2018	04	25	02:20	45.5	100	0
20180425T022500	2018	04	25	02:25	45.5	100	0
20180425T023000	2018	04	25	02:30	45.5	100	0
20180425T023500	2018	04	25	02:35	45.5	100	0
20180425T024000	2018	04	25	02:40	45.5	100	0
20180425T024500	2018	04	25	02:45	45.5	100	0
20180425T025000	2018	04	25	02:50	45.5	100	0
20180425T025500	2018	04	25	02:55	45.5	100	0
20180425T030000	2018	04	25	03:00	45.5	100	0
20180425T030500	2018	04	25	03:05	45.5	100	0
20180425T031000	2018	04	25	03:10	45.5	100	0
20180425T031500	2018	04	25	03:15	45.5	100	0
20180425T032000	2018	04	25	03:20	45.7	100	0
20180425T032500	2018	04	25	03:25	45.6	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180425T033000	2018	04	25	03:30	45.6	100	0
20180425T033500	2018	04	25	03:35	45.6	100	0
20180425T034000	2018	04	25	03:40	45.5	100	0
20180425T034500	2018	04	25	03:45	45.6	100	0
20180425T035000	2018	04	25	03:50	45.6	100	0
20180425T035500	2018	04	25	03:55	45.6	100	0
20180425T040000	2018	04	25	04:00	45.6	100	0
20180425T040500	2018	04	25	04:05	45.5	100	0
20180425T041000	2018	04	25	04:10	45.4	100	0
20180425T041500	2018	04	25	04:15	45.4	100	0
20180425T042000	2018	04	25	04:20	45.5	100	0.01
20180425T042500	2018	04	25	04:25	45.5	100	0.01
20180425T043000	2018	04	25	04:30	45.5	100	0
20180425T043500	2018	04	25	04:35	45.4	100	0
20180425T044000	2018	04	25	04:40	45.4	100	0
20180425T044500	2018	04	25	04:45	45.4	100	0
20180425T045000	2018	04	25	04:50	45.3	100	0
20180425T045500	2018	04	25	04:55	45.2	100	0.01
20180425T050000	2018	04	25	05:00	45.2	100	0.01
20180425T050500	2018	04	25	05:05	45.1	100	0
20180425T051000	2018	04	25	05:10	45.1	100	0.01
20180425T051500	2018	04	25	05:15	45	100	0.01
20180425T052000	2018	04	25	05:20	45	100	0
20180425T052500	2018	04	25	05:25	45.1	100	0
20180425T053000	2018	04	25	05:30	45.1	100	0
20180425T053500	2018	04	25	05:35	45.1	100	0
20180425T054000	2018	04	25	05:40	45.1	100	0
20180425T054500	2018	04	25	05:45	45.1	100	0
20180425T055000	2018	04	25	05:50	45.2	100	0
20180425T055500	2018	04	25	05:55	45.2	100	0
20180425T060000	2018	04	25	06:00	45.2	100	0
20180425T060500	2018	04	25	06:05	45.1	100	0
20180425T061000	2018	04	25	06:10	45.1	100	0
20180425T061500	2018	04	25	06:15	45.2	100	0
20180425T062000	2018	04	25	06:20	45.3	100	0
20180425T062500	2018	04	25	06:25	45.3	100	0
20180425T063000	2018	04	25	06:30	45.3	100	0
20180425T063500	2018	04	25	06:35	45.5	100	0
20180425T064000	2018	04	25	06:40	45.6	100	0
20180425T064500	2018	04	25	06:45	45.7	100	0
20180425T065000	2018	04	25	06:50	45.8	100	0
20180425T065500	2018	04	25	06:55	45.8	100	0
20180425T070000	2018	04	25	07:00	45.8	100	0
20180425T070500	2018	04	25	07:05	45.8	100	0
20180425T071000	2018	04	25	07:10	45.9	100	0
20180425T071500	2018	04	25	07:15	46	100	0
20180425T072000	2018	04	25	07:20	46.1	100	0
20180425T072500	2018	04	25	07:25	46.1	100	0
20180425T073000	2018	04	25	07:30	46.2	100	0
20180425T073500	2018	04	25	07:35	46.2	100	0
20180425T074000	2018	04	25	07:40	46.3	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180425T074500	2018	04	25	07:45	46.4	100	0
20180425T075000	2018	04	25	07:50	46.4	100	0
20180425T075500	2018	04	25	07:55	46.4	100	0
20180425T080000	2018	04	25	08:00	46.5	100	0
20180425T080500	2018	04	25	08:05	46.6	100	0
20180425T081000	2018	04	25	08:10	46.6	100	0
20180425T081500	2018	04	25	08:15	46.8	100	0
20180425T082000	2018	04	25	08:20	46.9	100	0
20180425T082500	2018	04	25	08:25	47.1	100	0
20180425T083000	2018	04	25	08:30	47.1	100	0
20180425T083500	2018	04	25	08:35	47.2	100	0
20180425T084000	2018	04	25	08:40	47.3	100	0
20180425T084500	2018	04	25	08:45	47.3	100	0
20180425T085000	2018	04	25	08:50	47.3	100	0
20180425T085500	2018	04	25	08:55	47.4	100	0
20180425T090000	2018	04	25	09:00	47.5	100	0
20180425T090500	2018	04	25	09:05	47.7	100	0
20180425T091000	2018	04	25	09:10	47.7	100	0
20180425T091500	2018	04	25	09:15	47.8	100	0
20180425T092000	2018	04	25	09:20	48.1	100	0
20180425T092500	2018	04	25	09:25	48.3	100	0
20180425T093000	2018	04	25	09:30	48.5	100	0
20180425T093500	2018	04	25	09:35	48.6	100	0
20180425T094000	2018	04	25	09:40	48.6	100	0
20180425T094500	2018	04	25	09:45	48.5	100	0
20180425T095000	2018	04	25	09:50	48.8	100	0
20180425T095500	2018	04	25	09:55	49	100	0
20180425T100000	2018	04	25	10:00	49	100	0
20180425T100500	2018	04	25	10:05	49	100	0
20180425T101000	2018	04	25	10:10	49.2	100	0
20180425T101500	2018	04	25	10:15	49.3	100	0
20180425T102000	2018	04	25	10:20	49.5	100	0
20180425T102500	2018	04	25	10:25	49.6	100	0
20180425T103000	2018	04	25	10:30	49.7	100	0
20180425T103500	2018	04	25	10:35	49.5	100	0
20180425T104000	2018	04	25	10:40	49.5	100	0
20180425T104500	2018	04	25	10:45	49.6	100	0
20180425T105000	2018	04	25	10:50	49.8	100	0
20180425T105500	2018	04	25	10:55	50.1	100	0
20180425T110000	2018	04	25	11:00	50.3	100	0
20180425T110500	2018	04	25	11:05	50.4	100	0
20180425T111000	2018	04	25	11:10	50.8	100	0
20180425T111500	2018	04	25	11:15	51	100	0
20180425T112000	2018	04	25	11:20	50.5	100	0
20180425T112500	2018	04	25	11:25	50.7	100	0
20180425T113000	2018	04	25	11:30	50.6	100	0
20180425T113500	2018	04	25	11:35	50.9	100	0
20180425T114000	2018	04	25	11:40	50.6	100	0
20180425T114500	2018	04	25	11:45	50.8	100	0
20180425T115000	2018	04	25	11:50	50.8	100	0
20180425T115500	2018	04	25	11:55	50.6	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180425T120000	2018	04	25	12:00	50.8	100	0
20180425T120500	2018	04	25	12:05	51.1	100	0
20180425T121000	2018	04	25	12:10	51.2	100	0
20180425T121500	2018	04	25	12:15	51.1	100	0
20180425T122000	2018	04	25	12:20	50.8	100	0
20180425T122500	2018	04	25	12:25	50.9	100	0
20180425T123000	2018	04	25	12:30	50.8	100	0
20180425T123500	2018	04	25	12:35	50.6	100	0
20180425T124000	2018	04	25	12:40	50.5	100	0
20180425T124500	2018	04	25	12:45	50.6	100	0
20180425T125000	2018	04	25	12:50	50.6	100	0
20180425T125500	2018	04	25	12:55	50.5	100	0
20180425T130000	2018	04	25	13:00	50.7	100	0
20180425T130500	2018	04	25	13:05	50.6	100	0
20180425T131000	2018	04	25	13:10	50.8	100	0
20180425T131500	2018	04	25	13:15	50.9	100	0
20180425T132000	2018	04	25	13:20	50.9	100	0
20180425T132500	2018	04	25	13:25	51.4	100	0
20180425T133000	2018	04	25	13:30	51.3	100	0
20180425T133500	2018	04	25	13:35	51.3	100	0
20180425T134000	2018	04	25	13:40	51.4	100	0.01
20180425T134500	2018	04	25	13:45	51.2	100	0
20180425T135000	2018	04	25	13:50	51.1	100	0.01
20180425T135500	2018	04	25	13:55	50.9	100	0.01
20180425T140000	2018	04	25	14:00	51	100	0
20180425T140500	2018	04	25	14:05	51.1	100	0
20180425T141000	2018	04	25	14:10	50.9	100	0
20180425T141500	2018	04	25	14:15	50.8	100	0
20180425T142000	2018	04	25	14:20	51	100	0
20180425T142500	2018	04	25	14:25	51	100	0
20180425T143000	2018	04	25	14:30	51	100	0
20180425T143500	2018	04	25	14:35	51	100	0
20180425T144000	2018	04	25	14:40	51	100	0
20180425T144500	2018	04	25	14:45	51.2	100	0
20180425T145000	2018	04	25	14:50	51.3	100	0
20180425T145500	2018	04	25	14:55	51.3	100	0
20180425T150000	2018	04	25	15:00	51.5	100	0
20180425T150500	2018	04	25	15:05	51.4	100	0
20180425T151000	2018	04	25	15:10	51.7	100	0
20180425T151500	2018	04	25	15:15	51.5	100	0
20180425T152000	2018	04	25	15:20	51.4	100	0
20180425T152500	2018	04	25	15:25	51.4	100	0
20180425T153000	2018	04	25	15:30	51.6	100	0
20180425T153500	2018	04	25	15:35	51.7	100	0
20180425T154000	2018	04	25	15:40	52	100	0
20180425T154500	2018	04	25	15:45	51.9	100	0
20180425T155000	2018	04	25	15:50	52.1	100	0
20180425T155500	2018	04	25	15:55	52.1	100	0
20180425T160000	2018	04	25	16:00	52.3	100	0
20180425T160500	2018	04	25	16:05	52.4	100	0
20180425T161000	2018	04	25	16:10	52.3	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180425T161500	2018	04	25	16:15	52	100	0
20180425T162000	2018	04	25	16:20	52.1	100	0
20180425T162500	2018	04	25	16:25	52.3	100	0
20180425T163000	2018	04	25	16:30	52	100	0
20180425T163500	2018	04	25	16:35	51.9	100	0
20180425T164000	2018	04	25	16:40	52.1	100	0
20180425T164500	2018	04	25	16:45	52.3	100	0
20180425T165000	2018	04	25	16:50	52.3	100	0
20180425T165500	2018	04	25	16:55	52.3	100	0
20180425T170000	2018	04	25	17:00	52.4	100	0
20180425T170500	2018	04	25	17:05	52.5	100	0
20180425T171000	2018	04	25	17:10	52.6	100	0
20180425T171500	2018	04	25	17:15	52.3	100	0
20180425T172000	2018	04	25	17:20	52.4	100	0
20180425T172500	2018	04	25	17:25	52.2	100	0
20180425T173000	2018	04	25	17:30	52.1	100	0
20180425T173500	2018	04	25	17:35	52.1	100	0
20180425T174000	2018	04	25	17:40	52.1	100	0
20180425T174500	2018	04	25	17:45	52.1	100	0
20180425T175000	2018	04	25	17:50	52	100	0
20180425T175500	2018	04	25	17:55	51.8	100	0
20180425T180000	2018	04	25	18:00	51.7	100	0
20180425T180500	2018	04	25	18:05	51.8	100	0
20180425T181000	2018	04	25	18:10	51.7	100	0
20180425T181500	2018	04	25	18:15	51.5	100	0
20180425T182000	2018	04	25	18:20	51.5	100	0
20180425T182500	2018	04	25	18:25	51.4	100	0
20180425T183000	2018	04	25	18:30	51.4	100	0
20180425T183500	2018	04	25	18:35	51.2	100	0
20180425T184000	2018	04	25	18:40	51.1	100	0
20180425T184500	2018	04	25	18:45	51.1	100	0
20180425T185000	2018	04	25	18:50	51.1	100	0
20180425T185500	2018	04	25	18:55	51	100	0
20180425T190000	2018	04	25	19:00	51	100	0
20180425T190500	2018	04	25	19:05	50.8	100	0
20180425T191000	2018	04	25	19:10	50.8	100	0
20180425T191500	2018	04	25	19:15	50.8	100	0
20180425T192000	2018	04	25	19:20	50.8	100	0
20180425T192500	2018	04	25	19:25	50.7	100	0.01
20180425T193000	2018	04	25	19:30	50.7	100	0.02
20180425T193500	2018	04	25	19:35	50.1	100	0.02
20180425T194000	2018	04	25	19:40	49.6	100	0.02
20180425T194500	2018	04	25	19:45	49.3	100	0.01
20180425T195000	2018	04	25	19:50	49.2	100	0.01
20180425T195500	2018	04	25	19:55	49.1	100	0
20180425T200000	2018	04	25	20:00	49.1	100	0
20180425T200500	2018	04	25	20:05	49.1	100	0
20180425T201000	2018	04	25	20:10	49	100	0
20180425T201500	2018	04	25	20:15	49	100	0
20180425T202000	2018	04	25	20:20	48.9	100	0
20180425T202500	2018	04	25	20:25	48.9	100	0

Table C-2: Winter SUNY MesoNet Meteorological Data (Burdett Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20180425T203000	2018	04	25	20:30	48.9	100	0
20180425T203500	2018	04	25	20:35	48.9	100	0
20180425T204000	2018	04	25	20:40	48.9	100	0
20180425T204500	2018	04	25	20:45	48.9	100	0
20180425T205000	2018	04	25	20:50	48.9	100	0
20180425T205500	2018	04	25	20:55	48.9	100	0
20180425T210000	2018	04	25	21:00	48.9	100	0
20180425T210500	2018	04	25	21:05	48.8	100	0
20180425T211000	2018	04	25	21:10	48.6	100	0
20180425T211500	2018	04	25	21:15	48.4	100	0
20180425T212000	2018	04	25	21:20	48.2	100	0
20180425T212500	2018	04	25	21:25	48.2	100	0
20180425T213000	2018	04	25	21:30	48.2	100	0
20180425T213500	2018	04	25	21:35	48.3	100	0
20180425T214000	2018	04	25	21:40	48.3	100	0
20180425T214500	2018	04	25	21:45	48.3	100	0
20180425T215000	2018	04	25	21:50	48.2	100	0
20180425T215500	2018	04	25	21:55	48.1	100	0
20180425T220000	2018	04	25	22:00	48.1	100	0
20180425T220500	2018	04	25	22:05	48.1	100	0
20180425T221000	2018	04	25	22:10	47.9	100	0
20180425T221500	2018	04	25	22:15	47.9	100	0
20180425T222000	2018	04	25	22:20	47.9	100	0
20180425T222500	2018	04	25	22:25	47.8	100	0
20180425T223000	2018	04	25	22:30	47.6	100	0
20180425T223500	2018	04	25	22:35	47.5	100	0
20180425T224000	2018	04	25	22:40	47.4	100	0
20180425T224500	2018	04	25	22:45	47.4	100	0
20180425T225000	2018	04	25	22:50	47.3	100	0
20180425T225500	2018	04	25	22:55	47.2	100	0
20180425T230000	2018	04	25	23:00	47.1	100	0
20180425T230500	2018	04	25	23:05	47.1	100	0
20180425T231000	2018	04	25	23:10	47	100	0
20180425T231500	2018	04	25	23:15	47	100	0
20180425T232000	2018	04	25	23:20	47	100	0
20180425T232500	2018	04	25	23:25	46.9	100	0
20180425T233000	2018	04	25	23:30	46.9	100	0
20180425T233500	2018	04	25	23:35	46.8	100	0
20180425T234000	2018	04	25	23:40	46.5	100	0
20180425T234500	2018	04	25	23:45	46.3	100	0
20180425T235000	2018	04	25	23:50	46.1	100	0
20180425T235500	2018	04	25	23:55	45.8	100	0
20180426T000000	2018	04	26	00:00	45.6	100	0
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