

ASC Meteorological Services

Winterover: Mark Dellandre (SPO-Met@usap.gov)

Summer Support: Jeffrey De Rosa (SPO-Met@usap.gov)
 John Gallagher (SPO-Met@usap.gov)

Weather

Quantity	Date	Value
Temperature		
Average		-59.4°C (-74.9°F)
Maximum	Apr 12 & 30	-42.7°C (-44.9°F)
Minimum	Apr 26	-72.3°C (-98.1°F)
Atmospheric Pressure		
Average		674.5 mb
Highest	Apr 16	688.5 mb
Lowest	Apr 25	660.8 mb
Physiological Altitude		
Average		3,303 m (10,836 ft)
Highest	Apr 25	3,463 m (11,361 ft)
Lowest	Apr 16	3,142 m (10,309 ft)
Visibility		
		2 days with 1/4 mile or less
Wind		
Average Wind Speed		11.0 mph (9.6 kts)
Maximum Wind Gust	Apr 12 & 29	30 mph (26 kts)
Maximum Wind Gust Direction		Grid North
Average Vectored Wind		044° at 8.1 kts
Prevailing Direction		Grid Northeast 030°

Notes

- Multiple computer malfunctions disabled data from the BIF computer and prevented normal balloon launch operations from being accomplished throughout the month.
- The MET department alerted management of the possibility of triple-digit cold several times throughout April. Updated forecasts were given daily for this unique event. While it never verified, the community was kept aware of the extreme cold.
- The first star in the sky was visible with the naked eye early in the month.
- The MET department, along with others, were present for the year's first safety meeting this month.
- The wooden table of sondes stored in the BIF has been replaced as a potential safety concern. Now, a wire rack is being used to store sondes.

- The Senior Meteorologist trained the RAs in the process of taking nighttime observations from the ob deck.
- NOAA launched its plastic balloons with the aid of the MET department.
- A brief blackout prompted the need to reset the Vaisala connection at the BIF.
- The first auroras of the season were seen this month.
- A project to upgrade the BIF computer has begun with the aid of IT.
- A potential problem with the GTS observations has been identified. The MET department has begun an investigation.
- A replacement for the remote desktop connection to the NOAA tower has launched this week in the form of a minute-by-minute text log that contains data for up to 24 hours in the past. The remote desktop connection has been discontinued.
- During a routine all-hands meeting, the MET department reaffirmed safety information for extreme cold temperatures with the rest of the community.
- The MET department had been selected for a “Scientist of the Month” digital interview with three separate 6th grade classes back in the United States.
- An unknown error resulted in the removal of the April 3rd balloon launch from the CLIMAT data.
- Community outreach continues in the form of balloon launches with the other winterovers.
- All other meteorological operations continued as normal

Records

- 04/05: Minimum temperature of -69.6C/ -93.3F breaks the previous daily minimum temperature of -68.9C/ -92.0F set in 1982.
- 04/26: Minimum temperature of -72.3C/ -98.1F breaks the previous record minimum temperature of -72.2C/ -98.0F set in 1974.