

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		-56.6°C (-69.9°F)
Maximum	May 15	-37.3°C (-35.1°F)
Minimum	May 25	-72.0°C (-97.6°F)
Atmospheric Pressure		
Average		675.9 mb
Highest	May 30	697.1 mb
Lowest	May 7	664.6 mb
Physiological Altitude		
Average		3,287 m (10,783 ft)
Highest	May 7	3,418 m (11,215 ft)
Lowest	May 30	3,045 m (9,990 ft)
Visibility		
		4 days with 1/4 mile or less
Wind		
Average Wind Speed		12.6 mph (10.9 kts)
Maximum Wind Gust	May 15	47 mph (41 kts)
Maximum Wind Gust Direction		Grid Northwest
Average Vectedored Wind		030° at 8.0 kts
Prevailing Direction		Grid Northeast 040°

Notes

- During a dual launch with NOAA, the plastic balloon lost control and our daily sounding crashed back to the ground before it could collect worthy data. The MET department provided forecasts for a ground expedition to retrieve the lost NOAA equipment. Unfortunately, the equipment was not recovered.
- Due to a station-wide loss of 24/7 communications, off-internet observations had to be called into MAC WX on consecutive days.
- An error in the FileZilla delayed the transmission of files to NCEI.
- One-minute obs have started to be collected each day for an extra monthly task to AMRC. If successful, previous 2024 monthly one-minute obs from the AWA will be gathered.

- Condition One weather due to strong winds necessitated the skipping of a weather balloon launch.
- The Senior Met & the Winter Site Manager began a project to establish new criteria for conditions one and two.
- A new template for the weekly SITREPs has been created and began usage this month.
- A plan to initiate discussions of weather conditions and safe travel with the other winterovers began this month. A preliminary run of new weather conditions and travel safety were implemented. Data on parameters continues to be collected.
- The IT department started a task to swap the BIF computers.
- The MET department, along with VMF, cleared the snow outside of the BIF doors.
- The IT department requested permission from Denver to allow the new BIF computer access on the network.
- Community outreach continues in the form of balloon launches with the other winterovers.
- All other meteorological operations continued as normal

Records

- 5/13: Max wind speed of 36kts/42mph breaks previous record of 33kts/38mph set in 1958.
- 5/14: Max wind speed of 36kts/42mph breaks previous record of 33kts/38mph set in 1997.
- 5/15: Max wind speed of 41kts/47mph breaks previous record of 35kts/40mph set in 2004.