

## ASC Meteorological Services

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

### Weather

Quantity	Date	Value
<b>Temperature</b>		
Average		-54.8°C (-66.6°F)
Maximum	Mar 19	-33.1°C (-27.6°F)
Minimum	Mar 26	-68.4°C (-91.1°F)
<b>Atmospheric Pressure</b>		
Average		679.1 mb
Highest	Mar 15	691.2 mb
Lowest	Mar 28	665.2 mb
<b>Physiological Altitude</b>		
Average		3,250 m (10,662 ft)
Highest	Mar 28	3,411 m (11,192 ft)
Lowest	Mar 15	3,112 m (10,209 ft)
<b>Visibility</b>		
		2 day with 1/4 mile or less
<b>Wind</b>		
Average Wind Speed		10.9 mph (9.5 kts)
Maximum Wind Gust	Mar 19	32 mph (28 kts)
Maximum Wind Gust Direction		Grid Northwest
Average Vecteded Wind		056° at 7.2 kts
Prevailing Direction		Grid East 070°

### Notes

- Both the Skiway tower and the Clean Air tower have stopped sending data to the AWA. The NOAA tower was in use until the servers in the towers were reset through a joint expedition between MET, IT, and the VMF.
- Community outreach has continued in the form of balloon launches with the other winterovers.
- The Met department has remained critical in outdoor decisions, including coordinating the best days to tear down the fuel pit and to de-flag the skiway
- An update to the BIF computer made data transference temporarily unavailable. The MET department and IT worked together to resolve the issue.
- The sun recorder was having an issue recording accurate data. Numerous attempts to de-ice the device had no discernable impression on the cards. As a result, sunshine data for the final week before sunset were estimated.
- Sunset on the 22nd was not observed due to cloud cover.

- The sunshine recorders have been taken down from the roof and placed into storage.
- A mandated firewall update hindered meteorological operations for several days. Observations had to be taken via radio with the support of the chief NOAA technician during the update.
- A brownout resulted in a similar hindrance to observations. The server at the clean air tower needed to be rebooted while, once again, the chief NOAA technician radioed in observations.
- The brownout disabled the Vaisala computer temporarily and needed to be rebooted.
- All other meteorological operations continued as normal

## **Records**

- 3/19: Max temperature of  $-33.1^{\circ}\text{C}$   $-29.6 / ^{\circ}\text{F}$  breaks previous record of  $-36.1^{\circ}\text{C}$  /  $-33.0^{\circ}\text{F}$  set in 2000.