

## ASC Meteorological Services

Winterover: Clint Perrone (Clint.Perrone.Contractor@usap.gov)

Quantity	Date	Value
<b>Temperature</b>		
Average		-63.8°C (-82.8°F)
Maximum	22 Jun	-43.3°C (-45.9°F)
Minimum	12 Jun	-74.9°C (-102.8°F)
<b>Wind</b>		
Average Wind Speed		7.9 mph (86.9 kts)
Prevailing Direction		Grid East 100°
Maximum Wind Gust	17 Jun	34 mph (30 kts)
Maximum Wind Gust Direction		Grid North
Average Vectored Wind		078° at 5.2 kts
<b>Atmospheric Pressure</b>		
Average		677.9 mb
Highest	18 Jun	685.6 mb
Lowest	9 Jun	666.7 mb
<b>Physiological Altitude</b>		
Average		3264 m (10708 ft)
Highest	9 Jun	3394 m (11134 ft)
Lowest	18 Jun	3175 m (10418 ft)
<b>Visibility</b>		
		0 days with 1/4 mile or less

### Notes

- Discrepancies in the data record were discovered. These errors will be fixed by the winter-over meteorologist.
- MET switched to the 1574 half rack, after depleting all cylinders in the 1564 rack.
- The station hit below -100F for the first time this season on the 10th.
- Fixed a climatology error, and corresponding monthly synoptic message. Retransmitted the message to AMRC for their records.
- Received MW-41 Software upgrade, will update the computer to the new software this upcoming week.
- All other operations continued as normal.

### Records

- 6th: The average low daily wind speed of 3.5kts/4.0mph broke the previous record of 3.6kts/4.1mph set in 2011.
- 9th: The daily minimum temperature of -73.0C/-99.4F broke the previous minimum temperature record of -71.6C/-96.9F set in 1984.

- 10th: The daily minimum temperature of -73.6C/-100.5F broke the previous minimum temperature record of -72.2C/-98.0F set in 1966.
- 11th: The average low daily wind speed of 4.5kts/5.2mph broke the previous record of 5.0kts/5.8mph set in 1978.
- 12th: The daily minimum temperature of -74.9C/-102.8F broke the previous minimum temperature record of -73.6C/-100.5F set in 1975.
- 12th: The average low daily wind speed of 4.3kts/4.9mph broke the previous record of 4.9kts/5.6mph set in 2006.
- 29th: The average low daily wind speed of 4.5kts/5.2mph broke the previous record of 4.7kts/5.4mph set in 1984.
- June: The monthly average minimum temperature of -67.6C/-89.7F broke the previous record of -67.5C/-89.5F set in 2003.