

## ASC Meteorological Services

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

Quantity	Date	Value
<b>Temperature</b>		
Average		-58.5°C (-73.3°F)
Maximum	18 May	-39.2°C (-38.6°F)
Minimum	3 May	-69.4°C (-92.9°F)
<b>Wind</b>		
Average Wind Speed		9.6 mph (8.3 kts)
Prevailing Direction		Grid North 340°
Maximum Wind Gust	18 May	39 mph (34 kts)
Maximum Wind Gust Direction		Grid Northwest
Average Vectored Wind		038° at 5.4 kts
<b>Atmospheric Pressure</b>		
Average		678.3 mb
Highest	27 May	698.3 mb
Lowest	12 May	664.5 mb
<b>Physiological Altitude</b>		
Average		3259 m (10692 ft)
Highest	12 May	3419 m (11218 ft)
Lowest	27 May	3031 m (9945 ft)
<b>Visibility</b>		
		1 day with 1/4 mile or less

### Notes

- The MW-41 computer stops communicating with the SPS, and needs to be re-started daily. This issue seems to coincide with the Windows 10 update that occurred on the machine. Met and IT have been troubleshooting this issue.
- 3 soundings were missed due to the SPS not communicating with the MW-41.
- Replaced the SPS with the spare. This seems to have fixed the connection issue.
- All other operations continued as normal.

### Records

- 11th: The daily peak wind speed tied the previous record of 29kts/33mph set in 1993.
- 18th: The daily peak wind speed of 34kts/39mph broke the previous record of 28kts/32mph set in 2018.
- 23rd: The average low daily wind speed of 4.9kts/5.6mph broke the previous record of 5.6kts/6.5mph set in 1980.
- 28th: The average low daily wind speed of 2.1kts/2.4mph broke the previous record of 2.2kts/2.5mph set in 1987.