

ASC Meteorological Services

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

Quantity	Date	Value
Temperature		
Average		-61.3°C (-78.3°F)
Maximum	19 Sept	-47.1°C (-53.3°F)
Minimum	1 Septe	-71.5°C (-96.7°F)
Wind		
Average Wind Speed		9.4 mph (8.2 kts)
Prevailing Direction		Grid North 020°
Maximum Wind Gust	17 Sept	33 mph (29 kts)
Maximum Wind Gust Direction		Grid Northeast
Average Vectored Wind		051° at 7.1 kts
Atmospheric Pressure		
Average		674.1 mb
Highest	20 Sept	685.8 mb
Lowest	27 Sept	658.5 mb
Physiological Altitude		
Average		3308 m (10852 ft)
Highest	27 Sept	3490 m (11450 ft)
Lowest	20 Sept	3173 m (10410 ft)
Visibility		
		0 days with 1/4 mile or less

Notes

- Collaboration with NOAA continues in the form of dual launches. The month concluded with three dual launches per week.
- 12Z radiosondes were launched 2 times this month in support of McMurdo flight operations.
- The Campbell-Stokes sunshine recorder was reinstalled. The meteorologist cleaned resin out of the grooves. This instrument is now ready for another summer season and has been placed back on the roof.
- The sun came above the horizon on the 21st at 0408L time.
- South Pole meteorology is still unable to pull one-minute data from the new AWA.
- All other meteorological operations continued as normal.

Records

- Day 24: The minimum daily average wind speed of 2.6kts/3.0mph broke the previous record of 2.8kts/3.2mph set in 1985.
- Day 25: The minimum daily average wind speed of 3.9kts/4.5mph broke the previous record of 4.0kts/4.6mph set in 1986.

- September: The maximum number of partly cloudy days of 21 for the month, broke the previous record of 19 set in 2010.
- September: The minimum number of cloudy days of 01 for the month, broke the previous record of 02 set in 1957.