

ASC Meteorological Services

Winterover: Clint Perrone (met@southpole.usap.gov)

Quantity	Date	Value
Temperature		
Average		-23.3 °C (-9.9 °F)
Maximum	19 & 20 Dec	-12.9 °C (8.8 °F)
Minimum	1 Dec	-32.6 °C (-26.7 °F)
Departure from Normal		+10.7 °C (+19.3 °F)
Atmospheric Pressure		
Average		689.2 mb
Highest	20 Dec	707.3 mb
Lowest	5 Dec	679.2 mb
Physiological Altitude		
Average		3134 m (10,283 ft)
Highest	5 Dec	3249 m (10,658 ft)
Lowest	20 Dec	2931 m (9615 ft)
Visibility		
1 day with 1/4 mile or less		
Wind		
Average Wind Speed		12.1 mph (10.5 kts)
Maximum Gust	6, 11 & 20 Dec	34 mph (30 kts)
Maximum Gust Direction		Grid North
Average Vected Wind		008° at 8.6 kts
Prevailing Direction		Grid North 020°

Records:

- 11 Dec: The maximum wind speed of 30 kts/34.5 mph broke the previous record of 29 kts/33.4 mph set in 2015.
- 14 Dec: The maximum wind speed of 23 kts/26.5 mph broke the previous record of 21 kts/24.2 mph set in 2007.
- 19 Dec: The maximum temperature of -12.9 °C/8.8 °F broke the previous record of -19.4 °C/-2.9 °F set in 1984.
- 19 Dec: The average wind speed of 16.8 kts/19.3 mph broke the previous record of 16.5 kts/19.0 mph set in 1976.
- 20 Dec: The maximum temperature of -12.9 °C/8.8 °F broke the previous record of -18.7 °C/-1.7 °F set in 1974.
- 20 Dec: The average wind speed of 16.9 kts/19.5 mph broke the previous record of 15.6 kts/18.0 mph set in 1982.
- 22 Dec: The maximum wind speed of 28 kts/32.2 mph broke the previous record of 26 kts/29.9 mph set in 1961.
- Dec: The monthly average temperature of -23.3 °C/-9.9 °F broke the previous warmest average monthly record of -23.6 °C/-10.5 °F set in 1974.
- Dec: The +1.425” net change in the snowstake field broke the previous largest net change of +1.103” set in 2013.