

ASC Meteorological Services

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Weather

Quantity	Date	Value
Temperature		
Average		-42.1°C (-43.8°F)
Maximum	Feb 3	-29.2°C (-20.6°F)
Minimum	Feb 29	-55.0°C (-67.0°F)
Atmospheric Pressure		
Average		680.0 mb
Highest	Feb 11	689.0 mb
Lowest	Feb 28	666.3 mb
Physiological Altitude		
Average		3,239 m (10,628 ft)
Highest	Feb 28	3,398 m (11,149 ft)
Lowest	Feb 11	3,137 m (10,291 ft)
Visibility		
		0 days with 1/4 mile or less
Wind		
Average Wind Speed		7.8 mph (6.8 kts)
Maximum Wind Gust	Feb 22	25 mph (22 kts)
Maximum Wind Gust Direction		Grid North
Average Vectored Wind		054° at 4.9 kts
Prevailing Direction		Grid East 070°

Notes

- NPP installed an improperly calibrated temperature sensor. They informed us a working sensor would not be installed before station close. This means the 2024 winter will be without a backup temperature sensor.
- Meteorology received a shipment of 229 radiosondes from McMurdo. These sondes were leftover from when WAIS Divide had an upper air program several years ago. This should ensure that South Pole Met has enough upper air supplies to last into next summer.
- The backup weather satellite unit for WAIS Divide has been sent to South Pole for the winter season. The new system is self-contained and will only require a monitor for display. It downloads satellite images directly via an antenna on the B2 roof.
- A network error on the 14th necessitated a need to call in an observation to MAC weather.

- After the departure of the final Summer MET, the Winter MET and the RAs began their observation schedule for the winter.
- The AWA's Skiway pressure has been working intermittently. While it's down, the Clean Air pressure has been used.
- Demobilization flights had arrived at the South Pole. The Senior Met gave them daily weather briefings until they departed.
- Satellite data has been constantly updated weekly thanks to incoming TLE files
- Network permissions allow the BIF computer to operate without interference
- Sun cards have been changed from summer to equinoctial
- The MET department, along with the rest of the station, assisted in the winter food pull this week, transporting 20,000 pounds of food from the arches to the elevated station
- The senior meteorologist trained the RAs in taking snow stake measurements
- A community sign-up sheet to assist in balloon launches has been posted
- All other meteorological operations continued as normal

Records

- 2/15: Average wind speed of 2.2kts/ 2.5mph breaks the record low previously set in 1985 of 3.5kts/ 4.0mph