

Meteorological Services

Winterovers: Clint Perrone, Stephanie Olcott

- The 2016 climate summary for South Pole was compiled and disseminated to the community on the 11th.
- The BIF floor was painted and all equipment placed back into the room on the 31st.
- All routine data collection and reporting activities continued as normal.

Temperatures:		Date	
Average			-27.0°C / -16.6°F
Maximum	01/07/17		-21.0°C / -5.8°F
Minimum	01/26,30/17		-33.4°C / -28.1°F
Station Pressure in millibars:			
Average pressure			693.6 mb / 20.482 in. Hg
Highest pressure	01/20/17		700.7 mb / 20.692 in. Hg
Lowest pressure	01/29/17		682.6 mb / 20.157 in. Hg
Physiological altitude in feet and meters:			
Average physio-altitude			10,119 ft/ 3,084 m
Highest physio-altitude	01/29/17		10,530 ft/ 3,210 m
Lowest physio-altitude	01/20/17		9,857 ft/ 3,004 m
Visibility:			0 days with ¼ mile or less
Wind:			
Average Wind Speed			10.6 mph or 9.2 knots
Maximum Gust	01/15,28/17		30 mph or 26 knots
Maximum Gust Direction			Grid North
Vectored Wind Direction			038 degrees
Vectored Wind Speed			7.6 knots
Prevailing Direction			Grid Northeast or 030 degrees

January 7th: The average wind speed of 0.8 knots/1.0 mph broke the previous lowest average wind speed record of 1.5 knots/2.0 mph set in 2016.