

Meteorological Services

Winterovers: Janelle Hakala, Ta-Lee Shue (RA), Robert Streeter (RA), *SPO-Met@usap.gov*

Temperatures:		Date	
Average			-51.4°C / -60.5°F
Maximum	03/23/18		-32.9°C / -27.2°F
Minimum	03/15/18		-63.0°C / -81.4°F
Station Pressure in millibars:			
Average pressure			685.9 mb
Highest pressure	03/30/18		699.2 mb
Lowest pressure	03/06/18		672.5 mb
Physiological altitude in feet and meters:			
Average physio-altitude			10,406 ft/ 3,172 m
Highest physio-altitude	03/06/18		10,912 ft/ 3,326 m
Lowest physio-altitude	03/30/18		9,912 ft/ 3,021 m
Visibility:			4 days with ¼ mile or less
Wind:			
Average Wind Speed			12.3 mph or 10.7 knots
Maximum Gust	03/22/18		43 mph or 37 knots
Maximum Gust Direction			Grid North
Vectored Wind Direction			039 degrees
Vectored Wind Speed			9.1 knots
Prevailing Direction			Grid East or 070 degrees

Notes

- 3/12/18 – Satellite antenna blew off roof mount and was repaired later.
- 3/25/18 – Sunshine recorder disassembled

** Records**

- 16 Mar: The max wind speed of 31kts/35.7mph broke the previous record of 28kts set in 2004.
- 22 Mar: The max wind speed of 37kts/42.6mph broke the previous record of 26kts set in 2012.
- 23 Mar: The max wind speed of 34kts/39.2mph broke the previous record of 33kts set in 2012.
- 23 Mar: The highest average wind speed of 19.5kts/22.4mph broke the previous record of 17.8kts set in 2010.
- 24 Mar: The max wind speed of 37kts/42.6mph broke the previous record of 32kts set in 2012.