

# ASC Meteorological Services

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## January Overview:

- All routine data collection and reporting activities continued as normal.

### Weather: January 2016

Temperatures:	Date	
Average		-29.2°C / -20.6°F
Maximum	01/16/16	-18.6°C / -1.5°F
Minimum	01/31/16	-38.5°C / -37.3°F
Station Pressure in millibars:		
Average pressure		683.0 mb
Highest pressure	01/10/16	692.1 mb
Lowest pressure	01/31/16	671.6 mb
Physiological altitude in feet and meters:		
Average physio-altitude		10,515 ft/ 3,205 m
Highest physio-altitude	01/31/16	10,947 ft/ 3,337 m
Lowest physio-altitude	01/10/16	10,175 ft/ 3,101 m
Visibility:		0 days with ¼ mile or less
Wind:		
Average Wind Speed		10.3 mph or 8.9 knots
Maximum Gust	01/10/16	30 mph or 26 knots
Maximum Gust Direction		Grid East
Vectored Wind Direction		127 degrees
Vectored Wind Speed		4.9 knots
Prevailing Direction		Grid Southeast or 120 degrees

#### **\*\* Records\*\***

January 2nd: The wind speed of 24 knots/28 mph broke the previous daily peak wind speed record of 22 knots/25 mph set in 1990.

January 2nd: The highest daily average wind speed of 14.2 knots/16.4 mph broke the previous highest daily average wind speed record of 13.8 knots/15.9 mph set in 1974.

January 7th: The average wind speed of 1.5 knots/1.7 mph broke the previous lowest average wind speed record of 1.8 knots/2.1 mph set in 1988.

The number of clear days (20) broke the previous record of maximum number of clear days for the month of January (17) set on 1961.

The average sky cover for the month (3) tied the previous record of minimum sky cover for the month of January set on 2003.

January 5th: The wind speed of 32 knots/37 mph broke the previous peak wind speed record of 26 knots/30 mph set in 1986.

January 6th: The wind speed of 32 knots/37 mph broke the previous peak wind speed record of 27 knots/31 mph set in 1986.

January 6th: The average wind speed of 17.7 knots/20.4 mph broke the previous highest average wind speed record of 17.2 knots/19.8 mph set in 2010.

January 7th: The temperature of -18.1°C/-0.5°F broke the previous maximum temperature record of -21.8°C/-7.2°F set in 1986.

January 7th: The wind speed of 31 knots/36 mph broke the previous peak wind speed record of 25 knots/29 mph set in 2010.

January 8th: The temperature of -21.2°C/-6.2°F broke the previous maximum temperature record of -21.4°C/-6.5°F set in 1986.

January 11th: The wind speed of 29 knots/33 mph broke the previous peak wind speed record of 23 knots/27 mph set in 1982.

January 11th: The average wind speed of 19.5 knots/22.5 mph broke the previous highest average wind speed record of 15.9 knots/18.3 mph set in 2007.