

ASC Meteorological Services

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December Overview:

- All routine data collection and reporting activities continued as normal
- Construction on the New Balloon Inflation Facility continues... stay tuned for pictures

Weather: December 2015

Temperatures:	Date	
Average		-27.2°C / -17.0°F
Maximum	12/07/15	-18.1°C / -0.6°F
Minimum	12/01/15	-34.1°C / -29.4°F
Station Pressure in millibars:		
Average pressure		686.9 mb
Highest pressure	12/10/15	694.9 mb
Lowest pressure	12/28/15	678.3 mb
Physiological altitude in feet and meters:		
Average physio-altitude		10,369 ft/ 3,160 m
Highest physio-altitude	12/28/15	10,692 ft/ 3,259 m
Lowest physio-altitude	12/10/15	10,071 ft/ 3,070 m
Visibility:		2 days with ¼ mile or less
Wind:		
Average Wind Speed		12.1 mph or 10.5 knots
Maximum Gust	12/02/15	38 mph or 33 knots
Maximum Gust Direction		Grid North
Vectored Wind Direction		045 degrees
Vectored Wind Speed		6.2 knots
Prevailing Direction		Grid North

**** Records****

December 2nd: The wind speed of 33 knots/38 mph broke the previous peak wind speed record of 31 knots/36 mph set in 1974 and the previous peak wind speed record for the month of December of 32 knots/37 mph set on December 10, 2010.

December 3rd: The wind speed of 32 knots/37 mph broke the previous peak wind speed record of 26 knots/30 mph set in 2004.

December 3rd: The average wind speed of 20.7 knots/23.8 mph broke the previous highest average wind speed record of 20.4 knots/23.5 mph set in 1975.

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

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

December 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.

December 7th: The temperature of $-18.1^{\circ}\text{C}/-0.5^{\circ}\text{F}$ broke the previous maximum temperature record of $-21.8^{\circ}\text{C}/-7.2^{\circ}\text{F}$ set in 1986.

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

December 8th: The temperature of $-21.2^{\circ}\text{C}/-6.2^{\circ}\text{F}$ broke the previous maximum temperature record of $-21.4^{\circ}\text{C}/-6.5^{\circ}\text{F}$ set in 1986.

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

December 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.