

Meteorological Services

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- This year's sunset occurred at 0746UTC on the 22nd. Sunset is based on U.S. Naval Observatory Time. Sunset was obscured by clouds and blowing snow.
- The Campbell-Stokes Sunshine Recorders were taken off the roof and brought inside for the winter season on the 26th.
- All routine data collection and reporting activities continued as normal.

Weather: March 2012

Temperatures:	Date	
Average		-51.2°C / -60.2°F
Maximum	03/08/12	-32.3°C / -26.1°F
Minimum	03/28/12	-67.8°C / -90.0°F
Station Pressure in millibars:		
Average pressure		682.0 mb
Highest pressure	03/22/12	694.8 mb
Lowest pressure	03/15/12	670.9 mb
Physiological altitude in feet and meters:		
Average physio-altitude		10,555 ft/ 3,217 m
Highest physio-altitude	03/15/12	10,975 ft/ 3,345 m
Lowest physio-altitude	03/22/12	10,076 ft/ 3,071 m
Visibility:		2 days with ¼ mile or less
Wind:		
Average Wind Speed		12.2 mph or 10.6 knots
Maximum Gust	03/08,23/12	38 mph or 33 knots
Maximum Gust Direction		Grid East
Vectored Wind Direction		51 degrees
Vectored Wind Speed		6.8 knots
Prevailing Direction		Grid East

**** Records****

- March 8th: The temperature of -32.3°C/-26.1°F broke the previous maximum temperature record of -33.9°C/-29.0°F set in 1965.
- March 8th: The peak wind speed of 33 kts/38 mph broke the previous record of 29 kts/33 mph set in 1965.
- March 19th: The peak wind speed of 31 kts/36 mph broke the previous record of 26 kts/30 mph set in 2003.
- March 20th: The temperature of -35.3°C/-31.5°F broke the previous maximum temperature record of -39.2°C/-38.6°F set in 1974.
- March 20th: The peak wind speed of 28 kts/32 mph broke the previous record of 26 kts/30 mph set in 1980.

- March 21st: The temperature of $-35.8^{\circ}\text{C}/-32.4^{\circ}\text{F}$ broke the previous maximum temperature record of $-35.9^{\circ}\text{C}/-32.6^{\circ}\text{F}$ set in 2008.
- March 22nd: The peak wind speed of 26 kts/30 mph broke the previous record of 25 kts/29 mph set in 1962.
- March 23rd: The peak wind speed of 33 kts/38 mph broke the previous record of 28 kts/32 mph set in 2010.
- March 24th: The peak wind speed of 32 kts/37 mph broke the previous record of 26 kts/30 mph set in 1995.
- The net change of +2.565 inches at the snowstake field broke the previous March record of +2.400 inches set in 1982.