

## Meteorological Services

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- The meteorologists replaced the AT/RH#1 sensor with the original unit from the clean air tower on the 17th, which had originally been replaced on April 3<sup>rd</sup>. It was discovered during testing that the original fan motor was operational, but ceased to run due to the fan motor grease in the bearings not being able to withstand the cold winter temperatures. The grease was stripped from the bearings using a 70/30 alcohol solution. The fan motor was reassembled and placed back into service.
- All routine data collection and reporting activities continued as normal.

### *Weather: May 2012*

Temperatures:	Date	
Average		-58.6°C / -73.5°F
Maximum	05/10/12	-37.9°C / -36.2°F
Minimum	05/20/12	-70.5°C / -94.9°F
Station Pressure in millibars:		
Average pressure		679.0 mb
Highest pressure	05/08/12	698.7 mb
Lowest pressure	05/24/12	663.1 mb
Physiological altitude in feet and meters:		
Average physio-altitude		10,666 ft/ 3,251 m
Highest physio-altitude	05/24/12	11,273 ft/ 3,436 m
Lowest physio-altitude	05/08/12	9,931 ft/ 3,027 m
Visibility:		0 days with ¼ mile or less
Wind:		
Average Wind Speed		10.8 mph or 9.4 knots
Maximum Gust	05/22/12	28 mph or 24 knots
Maximum Gust Direction		Grid Southeast
Vectored Wind Direction		080 degrees
Vectored Wind Speed		6.2 knots
Prevailing Direction		Grid Southeast

**\*\* Records\*\***

No records were tied or broken during the month.