

Meteorological Services

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- After making several comparisons of AT1, AT2, and NOAA temperature data, it was determined that AT2 was reading the temperature more accurately than AT1. The respective sensor cables connecting the instruments to the FDCU were swapped so that the AWA software and the Intranet scroll will more accurately reflect the temperature going forward. Data were uninterrupted for AT1 while the new AT2 was offline from 1852-1927z (17 July, UTC).
- All routine data collection and reporting activities continued as normal.

Weather: July 2012

Temperatures:	Date	
Average		-60.6°C / -77.1°F
Maximum	07/04/12	-49.2°C / -56.6°F
Minimum	07/15/12	-76.0°C / -104.8°F
Station Pressure in millibars:		
Average pressure		675.0 mb
Highest pressure	07/01/12	695.7 mb
Lowest pressure	07/19/12	659.9 mb
Physiological altitude in feet and meters:		
Average physio-altitude		10,817 ft/ 3,297 m
Highest physio-altitude	07/19/12	11,395 ft/ 3,473 m
Lowest physio-altitude	07/01/12	10,043 ft/ 3,061 m
Visibility:		0 days with ¼ mile or less
Wind:		
Average Wind Speed		11.7 mph or 10.2 knots
Maximum Gust	07/23/12	33 mph or 29 knots
Maximum Gust Direction		Grid North
Vectored Wind Direction		050 degrees
Vectored Wind Speed		8.2 knots
Prevailing Direction		Grid North

**** Records****

No records were tied or broken during the month.