

## Meteorological Services

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- Two data requests were fulfilled this month. The first was for 10 meter Clean Air Tower wind data which was requested by Dr. Kenneth Ratzlaff of the University of Kansas. The second was for publications and other archived documentation referring to seasonal temperature variances in the top 10 meters of the snow which was requested by Matthew Newcomb on behalf of Ice Cube.
- Work was completed on updating all department training and reference materials.
- All routine data collection and reporting activities continued as normal.

### *Weather: July 2011*

Temperatures:	Date	
Average		-58.1°C / -72.6°F
Departure from Normal		+1.7°C / +3.0°F
Maximum	07/26/11	-40.7°C / -41.3°F
Minimum	07/24/11	-69.9°C / -93.8°F
Station Pressure in millibars:		
Average pressure		684.3 mb / 20.207 in. Hg
Departure from Normal		+7.6 mb / +0.224 in. Hg
Highest pressure	07/31/11	707.1 mb / 20.881 in. Hg
Lowest pressure	07/05/11	669.3 mb / 19.764 in. Hg
Physiological altitude in feet and meters:		
Average physio-altitude		10,466 ft/ 3,190 m
Highest physio-altitude	07/05/11	11,034 ft/ 3,363 m
Lowest physio-altitude	07/31/11	9,622 ft/ 2,933 m
Visibility:		0 days with ¼ mile or less
Wind:		
Average Wind Speed		12.9 mph / 11.2 knots
Maximum Gust	07/17/11	31 mph / 27 knots
Maximum Gust Direction		Grid Southeast
Vectored Wind Direction		061 degrees
Vectored Wind Speed		7.2 knots
Prevailing Direction		Grid East or 090 degrees

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

No records were tied or broken this month.