

Meteorological Services

Winterovers: Timothy Markle, timothy.markle.contractor@usap.gov

Dale Herschlag, dale.herschlag.contractor@usap.gov

- Data from the August 4th 00z balloon launch were not collected. This was due in combination of a GPS glitch and invalid data transmitted by the radiosonde. The Vaisala computer was rebooted with no further issues detected.
- The 12z upper air balloon launch resumed on August 18th to support WINFLY operations at McMurdo Station, originally scheduled for August 20th through August 29th. Flight cancellations due to weather have now extended operations through at least September 3rd.
- All routine data collection and reporting activities continued as normal.

Weather: August 2011

Temperatures:	Date	
Average		-56.4°C / -69.5°F
Departure from Normal		+3.3°C / +6.0°F
Maximum	08/22/11	-36.5°C / -33.7°F
Minimum	08/18/11	-70.3°C / -94.5°F
Station Pressure in millibars:		
Average pressure		685.9 mb / 20.255 in. Hg
Departure from Normal		+10.3 mb / +0.304 in. Hg
Highest pressure	08/01/11	710.5 mb / 20.981 in. Hg
Lowest pressure	08/17/11	668.0 mb / 19.726 in. Hg
Physiological altitude in feet and meters:		
Average physio-altitude		10,407 ft/ 3,172 m
Highest physio-altitude	08/17/11	11,083 ft/ 3,378 m
Lowest physio-altitude	08/01/11	9,498 ft/ 2,895 m
Visibility:		4 days with ¼ mile or less
Wind:		
Average Wind Speed		13.3 mph / 11.5 knots
Maximum Gust	08/06,24/11	32 mph / 28 knots
Maximum Gust Direction		Grid Northeast
Vectored Wind Direction		057 degrees
Vectored Wind Speed		8.6 knots
Prevailing Direction		Grid East or 070 degrees

**** Records****

Day 22: The maximum temperature of -36.5C/-33.7F broke the previous record of -38.5C/-37.3F set in 1985.