

Meteorological Services

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

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

- Work was completed on updating the department's F6 reports from 1959-1985 and 1994-1996 with the new data contained in the LCDs. Following the completion of this work, all LCDs and F6 reports were reformatted so that the structure of each report would be identical. All corrected and reformatted LCDs and F6 reports from 1957 through 2010 were then sent to the Antarctic Meteorological Research Center (AMRC) and the National Climatic Data Center (NCDC) for archiving purposes.

- All routine data collection and reporting activities continued as normal.

Weather: April 2011

Temperatures:	Date	
Average		-60.0°C / -76.0°F
Departure from Normal		-2.6°C / -4.7°F
Maximum	04/16/11	-46.6°C / -51.9°F
Minimum	04/18/11	-70.6°C / -95.1°F
Station Pressure in millibars:		
Average pressure		681.9 mb / 20.137 in. Hg
Departure from Normal		+1.5 mb / +0.044 in. Hg
Highest pressure	04/15/11	697.8 mb / 20.606 in. Hg
Lowest pressure	04/17/11	670.4 mb / 19.797 in. Hg
Physiological altitude in feet and meters:		
Average physio-altitude		10,557 ft/ 3,218 m
Highest physio-altitude	04/17/11	10,992 ft/ 3,351 m
Lowest physio-altitude	04/15/11	9,964 ft/ 3,037 m
Visibility:		6 days with ¼ mile or less
Wind:		
Average Wind Speed		11.9 mph / 10.3 knots
Maximum Gust	04/23/11	38 mph / 33 knots
Maximum Gust Direction		Grid Northeast
Vectored Wind Direction		081 degrees
Vectored Wind Speed		8.0 knots
Prevailing Direction		Grid East or 090 degrees

**** Records****

Day 22: The peak wind gust of 27kts/31mph tied the previous record set in 2003.

Day 23: The peak wind gust of 33kts/38mph broke the previous record of 28kts/32mph set in 1970.