

Meteorological Services

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- All corrected LCDs and F6 reports (1957-2010), including notes on what was corrected, were sent to the Antarctic Meteorological Research Center (AMRC) and the National Climatic data Center (NCDC) for archiving purposes.
- Work was completed on updating the department's climatological summaries with the new information contained in the corrected LCDs and F6 reports.
- The Meteorology Department fulfilled a request for temperature and wind data from 18OCT10 through 08DEC10 for all locations in the McMurdo Sound area. The datasets were requested by a research assistant of the Ecology Department at Montana State University – Bozeman.
- On May 27th the temperature fell below -73.4C/-100F for the first time this season, reaching a low of -75.2C/-103.4F. The temperature fell below -100F just after 00z and remained below that threshold for approximately 4 hours.
- All routine data collection and reporting activities continued as normal.

Weather: May 2011

Temperatures:	Date	
Average		-62.6°C / -80.7°F
Departure from Normal		-4.8°C / -8.7°F
Maximum	05/16/11	-49.1°C / -56.4°F
Minimum	05/27/11	-75.2°C / -103.4°F
Station Pressure in millibars:		
Average pressure		676.4 mb / 19.974 in. Hg
Departure from Normal		-3.9 mb / -0.115 in. Hg
Highest pressure	05/10/11	688.9 mb / 20.343 in. Hg
Lowest pressure	05/26/11	661.6 mb / 19.537 in. Hg
Physiological altitude in feet and meters:		
Average physio-altitude		10,765 ft / 3,281 m
Highest physio-altitude	05/26/11	11,329 ft / 3,453 m
Lowest physio-altitude	05/10/11	10,296 ft / 3,138 m
Visibility:		3 days with ¼ mile or less
Wind:		
Average Wind Speed		10.3 mph / 8.9 knots
Maximum Gust	05/9/11	31 mph / 27 knots
Maximum Gust Direction		Grid Northeast
Vectored Wind Direction		079 degrees
Vectored Wind Speed		6.5 knots
Prevailing Direction		Grid Southeast or 120 degrees

**** Records****

The average monthly temperature of -62.6°C/-80.7°F broke the previous record of -62.3°C/-80.1°F set in 1989, making this the coldest May on record.