

Meteorological Services

Winterovers: Timothy Markle, timothy.markle.contractor@usap.gov
 Dale Herschlag, dale.herschlag.contractor@usap.gov

- The first non-training related 3k plastic balloon flight occurred on June 3rd. Plastic balloons will be launched approximately every 10 days from the beginning of June through the beginning of September and be offset from the NOAA 19k plastic balloon launch by 5 days in order to get more PTU data from higher in the atmosphere.
- Work was completed on updating the department SOP and Task Manual to include all changes made to procedures dating back to the 2010-2011 summer season.
- Work was completed on updating all monthly and yearly climatology records located on the Meteorology Department intranet web pages. Data used to update these pages were taken from the newly corrected LCDs (Local Climatological Data Reports).
- All routine data collection and reporting activities continued as normal.

Weather: June 2011

Temperatures:	Date	
Average		-61.6°C / -78.9°F
Departure from Normal		-3.1°C / -5.6°F
Maximum	06/07/11	-42.8°C / -45.0°F
Minimum	06/22/11	-71.6°C / -96.9°F
Station Pressure in millibars:		
Average pressure		682.0 mb / 20.139 in. Hg
Departure from Normal		+1.0 mb / +0.030 in. Hg
Highest pressure	06/15/11	699.4 mb / 20.653 in. Hg
Lowest pressure	06/21/11	668.0 mb / 19.726 in. Hg
Physiological altitude in feet and meters:		
Average physio-altitude		10,553 ft/ 3,217 m
Highest physio-altitude	06/15/11	11,084 ft/ 3,378 m
Lowest physio-altitude	06/21/11	9,905 ft/ 3,019 m
Visibility:		0 days with ¼ mile or less
Wind:		
Average Wind Speed		10.4 mph / 9.0 knots
Maximum Gust	06/17,26/11	26 mph / 23 knots
Maximum Gust Direction		Grid East
Vectored Wind Direction		087 degrees
Vectored Wind Speed		7.7 knots
Prevailing Direction		Grid East or 100 degrees

**** Records****

June 6th: The average wind speed of 3.6kts/4.1mph broke the previous lowest average wind speed of 5.8kts/6.7mph set in 1997.