

ASC Meteorological Services

Winterover: Clint Perrone (Clint.Perrone.Contractor@usap.gov)

Quantity	Date	Value
Temperature		
Average		-53.1°C (-63.6°F)
Maximum	25 Oct	-41.4°C (-42.5°F)
Minimum	2 Oct	-66.3°C (-87.3°F)
Wind		
Average Wind Speed		12.7 mph (11.0 kts)
Prevailing Direction		Grid North 020°
Maximum Wind Gust	27 Oct	34 mph (30 kts)
Maximum Wind Gust Direction		Grid Northeast
Average Vecteded Wind		032° at 8.8 kts
Atmospheric Pressure		
Average		674.5 mb
Highest	28 Oct	689.0 mb
Lowest	16 Oct	664.2 mb
Physiological Altitude		
Average		3303 m (10836 ft)
Highest	16 Oct	3423 m (11230 ft)
Lowest	28 Oct	3137 m (10291 ft)
Visibility		
		0 days with 1/4 mile or less

Notes

- The Campbell-Stokes sunshine recorder is in operation, however sunshine minutes are still estimated, and not yet registering by instrumentation.
- Dual Launches with NOAA have increased to three times per week. This is the result of the active time of year for ozone degradation.
- 12Z balloons are now being launched daily.
- The Skiway officially opened on the 15th.
- The first transitioning A/C of the summer season, VKB refueled at pole on the 15th.
- The Met Office has been “super cleaned” this week. The space is now ready for turnover.
- The Ken Borek basler MKB and twin otter CKB A/C arrived in Rothera on the 21st.
- The first USAP basler flight MKB arrived on the 27th. The flight brought cargo, including our COVID-19 vaccines. The flight also brought the new MET instruments that will be installed this summer season.
- Transitioning KBA basler JKB and twin otter KCS A/C have transitioned through the South Pole on the 28th.

- Both the BIF and the met office are cleaned and organized for summer turnover.
- Dual launches with NOAA have reduced to twice per week. Also, these Ozone-focused flights are now using 1200g rubber “summer” balloons rather than 18K plastic “winter” balloons. This combination of reduction will lead to less helium use.
- All other meteorological operations continued as normal.

Records

- Day 6: The daily minimum temperature of -67.0C/-88.6F broke the previous record of -66.9C/-88.4F set in 2003.