

ASC Meteorological Services

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Weather January 2023

Quantity	Date	Value
Temperature		
Average		-31.5°C (-24.7°F)
Maximum	02 Jan	-21.5°C (-6.7°F)
Minimum	25 Jan	-38.3°C (-36.9°F)
Wind		
Average Wind Speed		9.2 mph (8.0 kts)
Prevailing Direction		Grid North 010°
Maximum Wind Gust	26 Jan	32 mph (28 kts)
Maximum Wind Gust Direction		Grid East
Average Vecteded Wind Direction		046° at 5.1 kts
Atmospheric Pressure		
Average		680.0 mb
Highest	25 Jan	688.6 mb
Lowest	10 Jan	673.5 mb
Physiological Altitude		
Average		3239 m (10628 ft)
Highest	10 Jan	3315 m (10874 ft)
Lowest	25 Jan	3141 m (10305 ft)
Visibility		
		1 day with 1/4 mile or less

Notes

- Vaisala Balloon Launch Server down due to connectivity issues with Network. Working to get server operable.
- 13 January: Upper Air System now operational. ASC IT personnel were able to troubleshoot the issue. The conflict was due to a new internal Windows component, enabled in Windows version 21H2, which requires the use of another port within the system

Records

- 7 Jan: Minimum temperature of -33.8°C/-28.8°F broke the record of -33.4°C/-28.1°F previously set in 2000.
- 12 Jan: Minimum temperature of -32.8°C/-27.0°F broke the record of -32.0°C/-25.6°F previously set in 1995.
- 13 Jan: Minimum temperature of -32.6°C/-26.7°F broke the record of -32.3°C/-26.1°F previously set in 1992.

- 15 Jan: Minimum temperature of $-34.7^{\circ}\text{C}/-30.5^{\circ}\text{F}$ broke the record of $-34.6^{\circ}\text{C}/-30.3^{\circ}\text{F}$ previously set in 2022.
- 17 Jan: Minimum temperature of $-35.0^{\circ}\text{C}/-31.0^{\circ}\text{F}$ broke the record of $-33.9^{\circ}\text{C}/-29.0^{\circ}\text{F}$ previously set in 1978.
- 26 Jan: Maximum wind speed of 28kts/32mph broke the record of 25kts/28.7mph previously set in 1986.
- Month End: Lowest average pressure of 680.0 broke the record of 680.2 previously set in 2012.
- Month End: Minimum number of cloudy days tied the record of 1 cloudy day previously set in 1974.