

ASC Meteorological Services

Winterovers: Kyle Sanchez (SPO-Met@usap.gov)
 Jordan Young (SPO-Met@usap.gov)

Weather

Quantity	Date	Value
Temperature		
Average		-29.1°C (-20.4°F)
Maximum	22 Dec	-21°C (-5.8°F)
Minimum	03 Dec	-33.8°C (-28.8°F)
Wind		
Average Wind Speed		9.0 mph (7.8 kts)
Prevailing Direction		Grid North 010°
Maximum Wind Gust	11 Dec	33 mph (29 kts)
Maximum Wind Gust Direction		Grid North
Average Vectored Wind		022° at 5.2 kts
Atmospheric Pressure		
Average		681.0 mb
Highest	16 Dec	686.9 mb
Lowest	30 Dec	673.0 mb
Physiological Altitude		
Average		3228 m (10591 ft)
Highest	30 Dec	3320 m (10893 ft)
Lowest	16 Dec	3160 m (10369 ft)
Sky Cover		
Average Cover (8ths)		05
Clear Days		03
Partly Cloudy Days		23
Cloudy Days		05
Visibility		
		1 days with 1/4 mile or less
Sunshine		
Average hours per day		20.9
Percent Possible		87%

Notes

- Snow stakes measured 0.788 inches accumulation
- 48 soundings for the month.
 - 47 soundings terminated above 50mb
 - 00 soundings terminated between 50mb and 100mb
 - 01 sounding terminated below 100mb
 - 14 soundings were missed

- Upper Air Application on BIF computer has stopped responding to SPS server. NIWC has been notified and they are working on troubleshooting in order to resolve the issue.
- Upper Air Application on BIF computer is now functioning properly. Ethernet cable was moved from the back of the server to the front and the BIF computer was restarted. NIWC has been notified and will leave the Ethernet cable in its current configuration in future seasons. Notes have been made in the Upper Air SOP and Passdown Log.
- Third Meteorologist arrived on station 12/16/22.
- Continued dual launches of weather balloons with NOAA.

Records

- Day 11: Highest average wind speed of 23.5 mph/20.4 kts broke the record of 22.4 mph/19.5 kts previously set in 2015.
- Day 22: Lowest average wind speed of 0.8mph/0.7kts broke the record of 2.8mph/2.5kts previously set in 1987.