

# Discussion

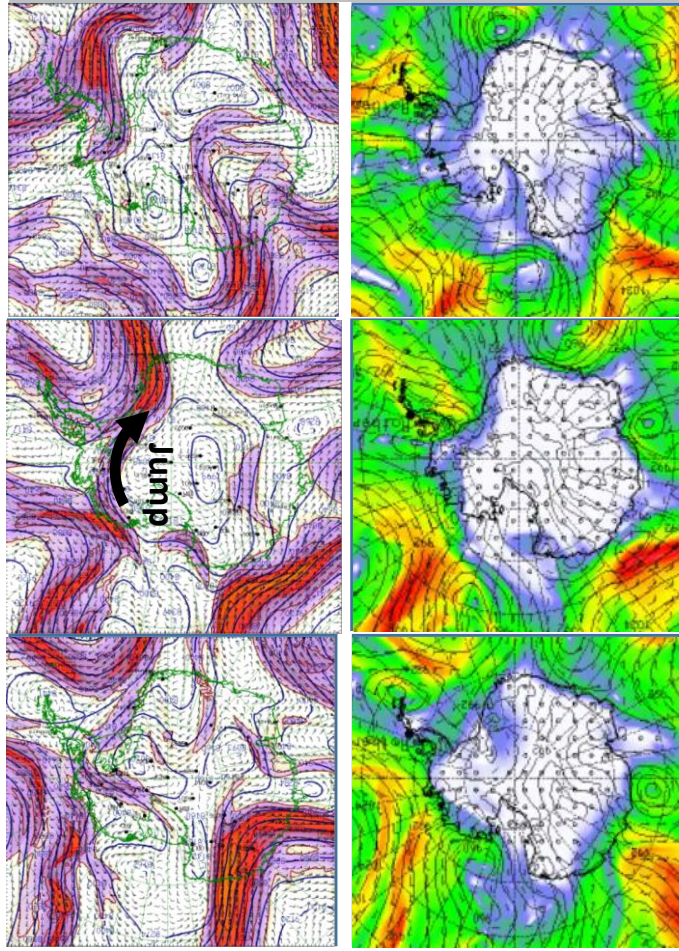
Date Issued: 05-19-2022

Activate TOPS <b>Davis</b>	Day 1-3 Day 4-6 Day 7-10	Weak Yes No	Activate TOPS <b>Casey</b>	Day 1-3 Day 4-6 Day 7-10	Weak No No	Activate TOPS <b>McMurdo</b>	Day 1-3 Day 4-6 Day 7-10	No No Yes	Activate TOPS <b>Palmer</b>	Day 1-3 Day 4-6 Day 7-10	Weak No No
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The intrusions over East Antarctica and the AR's over the Antarctic Peninsula eases after the weekend as the Jet flow undergoes a reorientation. High pressure will dominate South America's west coast and force the jet to jump across Ellsworth Land creating a four spoke pattern in the long wave. This will provide greater potential for AR's going into the extended forecast period.

Deep lows along the East Antarctic coast causing minor to moderate AR's over and near Davis and Casey this weekend will fill early next week with limited impacts inland. These systems are losing upper level support as the jet max exits Wilkes Land. This same Jet Max area has potential in the outlook period to create an impact toward Ross Sea and Western Antarctica when it makes its return South.

- The best AR will occur over Davis Saturday–Monday. Casey Station has a weak AR exiting eastward. All systems in this area will be easing by Monday as the lows fill.
- No AR's expected in Ross Sea but a favorable pattern is developing on Tuesday that can force an AR west across the Ross Sea in the extended outlook.
- A last push of AR pulses will occur Saturday with no AR's expected after Sunday as the High Pressure disrupts the path into the Peninsula from the North.



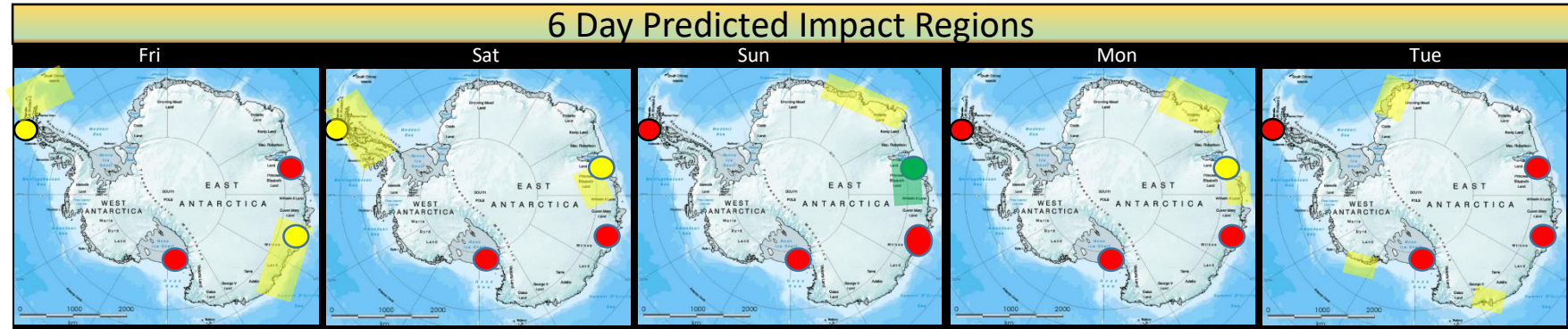
Fri +33hr  
Sun +72hr  
Tue +120hr

**Extended Outlook:**

**Davis – Casey:** Decaying waves will continue to fill off the coast with no AR's expected for this period.

**Ross Sea area:** A moderate to strong AR will be entering the Ross Sea from Central Pacific early next week and has potential to intrude into the western Ross Sea and Ice Shelf late in this forecast period.

**Palmer area:** No AR's expected during this period due to placement of the High extending from the South Pacific.



**Best Guess for 10 Day Outlook**

EC- 25 May 2022 15Z  
925hPa Wind/Temp  
Davis Casey

*Princess E.–Wilkes Land 25 May*

EC- 28 May 2022 12Z  
700hPa Wind/Temp

*George V – M. Byrd Land 28 May*

EC- 27 May 2022 21Z  
925hPa Wind/Temp  
PA  
Roth

*Antarctic Peninsula 27 May*