

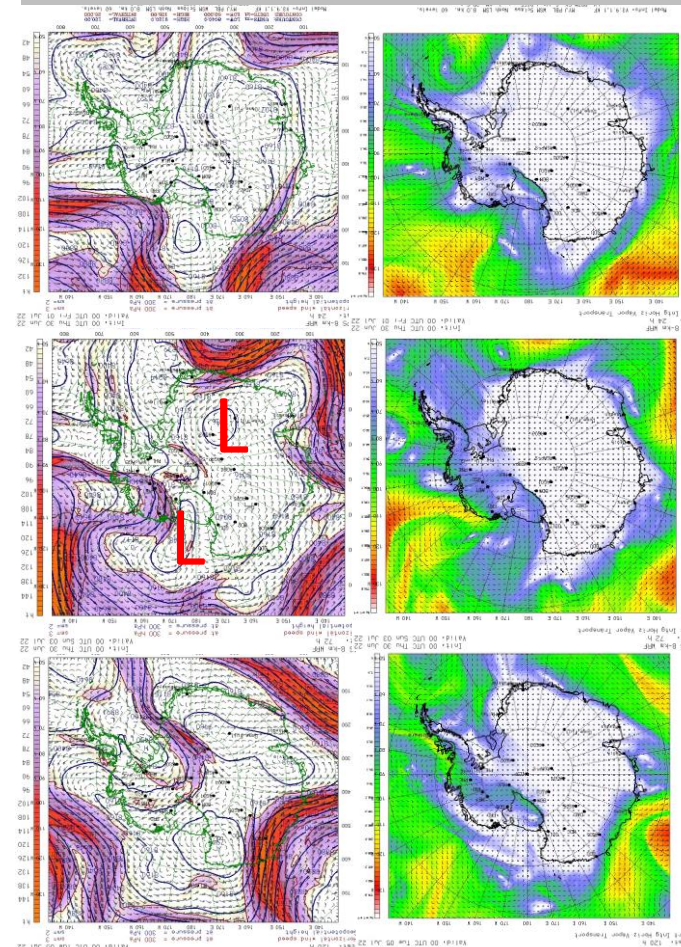
Discussion

Date Issued: 06-30-2022

Activate TOPS Davis Day 1-3: No Day 4-6: Weak Day 7-10: Weak	Activate TOPS Casey Day 1-3: No Day 4-6: Yes Day 7-10: Yes	Activate TOPS McMurdo Day 1-3: No Day 4-6: Weak Day 7-10: No	Activate TOPS Palmer Day 1-3: Weak Day 4-6: Weak Day 7-10: No
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The upper level flow will tighten around Antarctica through the weekend bringing fingers of jet winds over Eastern and Western Antarctica. Two primary lows in the upper levels will steer AR's across all stations through the period.

- A frontal boundary with a decaying wave will move a weak AR into Davis Station on Sunday but the Upper level support remains well out to sea in the north as the system passes. An associated Low will migrate southward along the frontal boundary with a jet max impacting Casey Station beginning Monday pushing a measurable AR inland through the mid-week.
- An upper level Low over the Ross Sea will continue to wrap lows around from Western Antarctica into the southern Ross Ice Shelf. The jet advancing the systems westward maintains a trajectory south of Ross Island over this period. Tuesday presents a possibility to have a measurable AR with some signatures from the mid-latitudes if the sub 400hPa winds turn more southerly than currently projected.
- Depressions will migrate across the area with the most direct northerly flow on Monday. All systems will have very little thermal advection and present only mild AR's for this period.

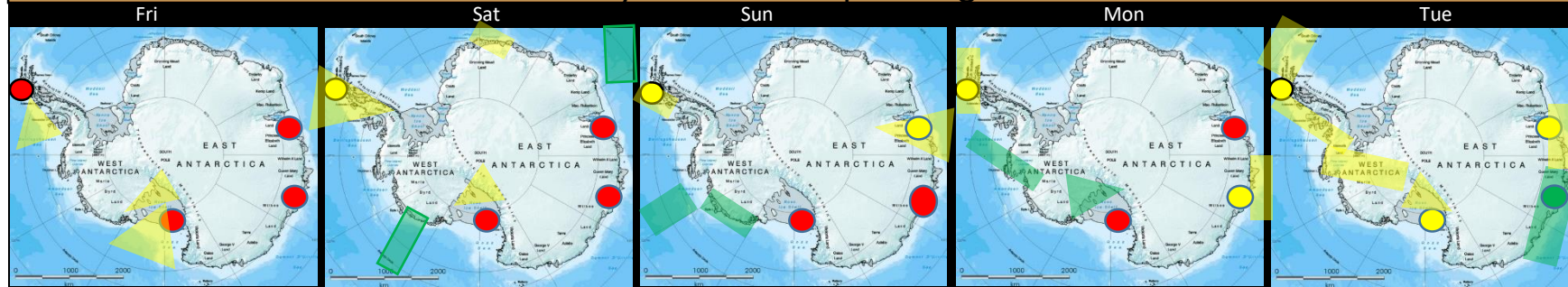


Fri +24hr

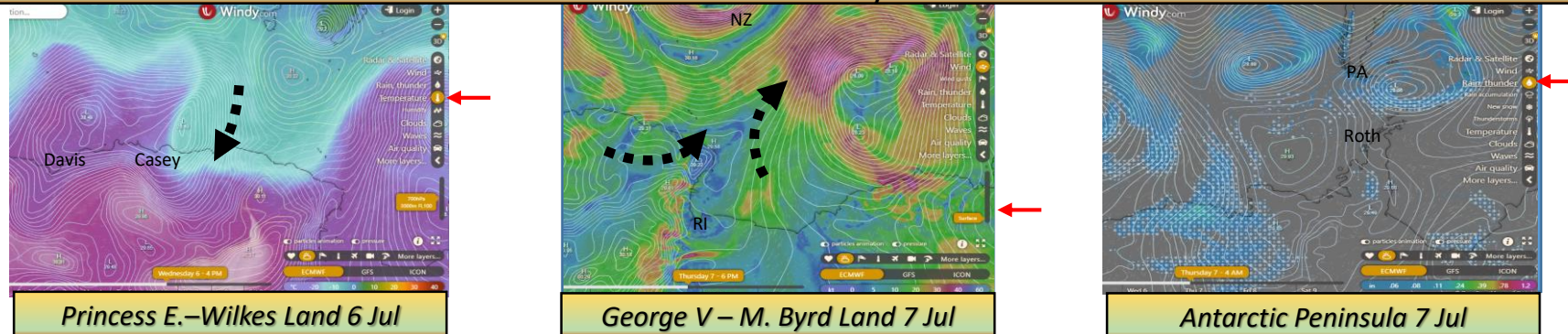
Sun +72hr

Tue +120hr

6 Day Predicted Impact Regions



Best Guess for 10 Day Outlook



Extended Outlook:

Davis – Casey: A Low will stall just east of Casey and bring moisture and warm temps over the region through the 10 day period.

Ross Island area: Current patterns keep migrating systems too far north and recurving system just south of Ross Island. best projection past Tuesday is beyond this forecast period.

Palmer area: By Wednesday a high pressure center will move into the Bellingshausen Sea keeping migrating Lows well to the North.