

Discussion

Date Issued: 08-04-2022

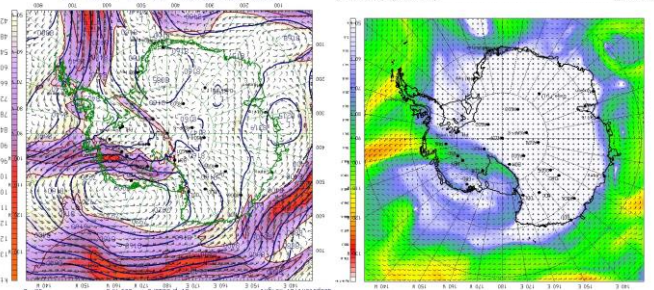
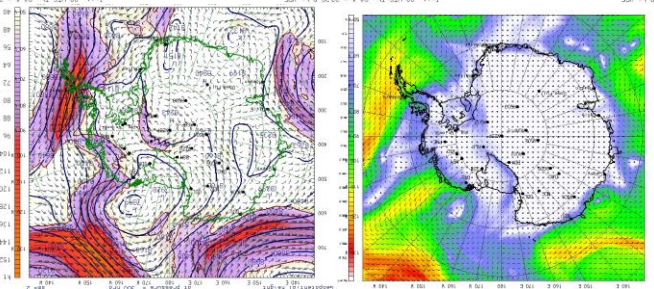
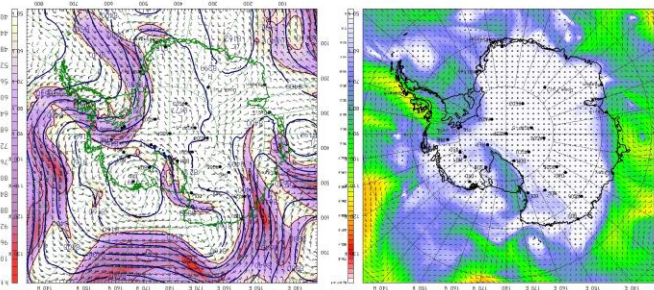
Activate TOPS Davis	Day 1-3 Weak Day 4-6 Weak Day 7-10 No	Activate TOPS Casey	Day 1-3 No Day 4-6 Weak Day 7-10 No	Activate TOPS McMurdo	Day 1-3 No Day 4-6 No Day 7-10 Weak	Activate TOPS Palmer	Day 1-3 Weak Day 4-6 Yes Day 7-10 No
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The Jet ridging over Dome A has had greater sustainability than previous forecast as evident by yesterday's AWS interior temperatures. This will subside by the weekend but the steering flow for migratory systems will be closer to the coastline than previously forecasted from Mawson to Casey Station. The upper level low expanding from the Ross Sea across to the Amundsen will deepen and move east with two major shortwaves coming out of the Pacific over this period.

Fri +24hr

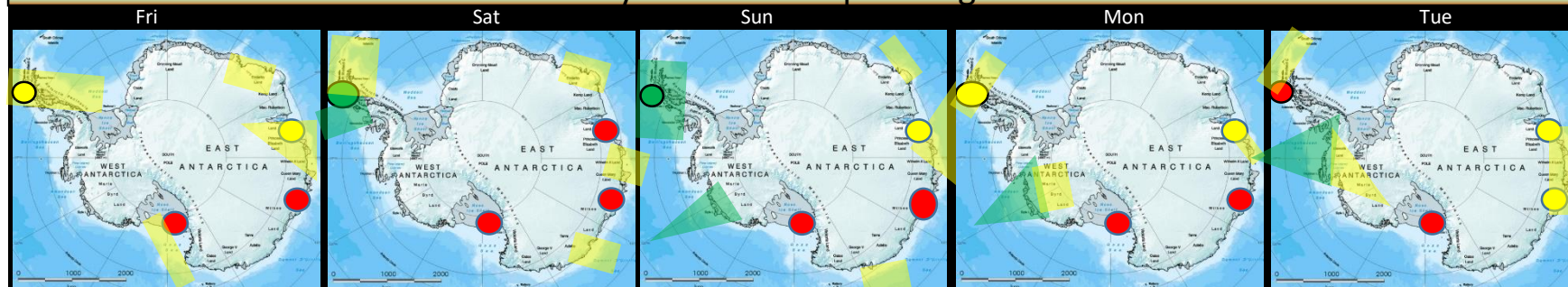
Sun +72hr

Tue +120hr



- Davis and Casey will see minor AR measures from cyclones migrating along the coast over the next 6 days.
- The cyclone in the Northeast Ross Sea will maintain a high AR presence in Marie Byrd Land extending well into next week. No AR's are expected for McMurdo, while DDU will have slight impacts from seaward lows slightly intruding the coastal region.
- The peninsula will have the strongest AR over this period peaking on Sunday as the Jet brings the first of two waves coming off the deep upper level low to the west.

6 Day Predicted Impact Regions



Best Guess for 10 Day Outlook

AUS NZ

Davis Casey

EC 925HPA Temp
w/SFC Press

Princess E.–Wilkes Land

EC 11-12 Aug 2022
SFC Press/Wind/
RI

George V – M. Byrd Land

PA

Roth

EC 12 Aug 2022 12Z
SFC Press/Temp/Pcprn

Antarctic Peninsula

Extended Outlook:

Davis – Casey: Migrating systems will move farther seaward with no major impacts expected this outlook period.

Ross Island area: Stormy conditions will move over the western Ross Ice Shelf from a flow across Marie Byrd Land from the Bellingshausen Sea through this period with a highly modified AR mixed into the flow impacting Ross Island by Midweek.

Palmer area: The second wave will move over the area by the end of next week with measurable conditions expected.