

# Discussion

Date Issued: 08-11-2022

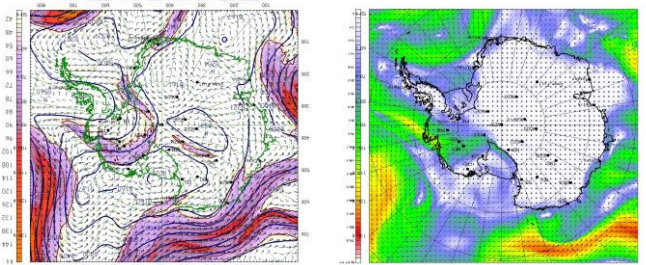
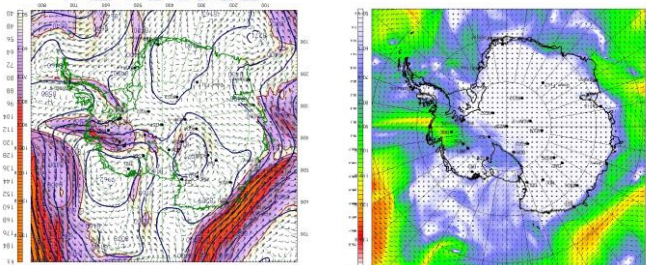
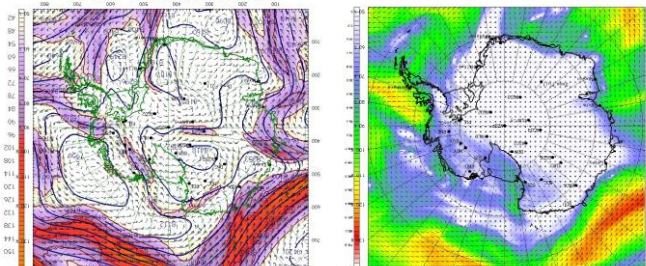
Activate TOPS <b>Davis</b>	Day 1-3 Weak Day 4-6 Weak Day 7-10 No	Activate TOPS <b>Casey</b>	Day 1-3 Weak Day 4-6 No Day 7-10 Weak	Activate TOPS <b>McMurdo</b>	Day 1-3 Weak Day 4-6 Modified Day 7-10 No	Activate TOPS <b>Palmer</b>	Day 1-3 Weak Day 4-6 No Day 7-10 No
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The blocking ridge over West Antarctica will weaken over the forecast period. The Jet has moved closer to East Antarctica but with a predominate zonal flow producing limited intrusions. The upper level low over Amundsen Sea will reposition westward with the center splitting the Ross Ice Shelf and Ross Sea as the ridge eases over west Antarctica.

Fri +24hr

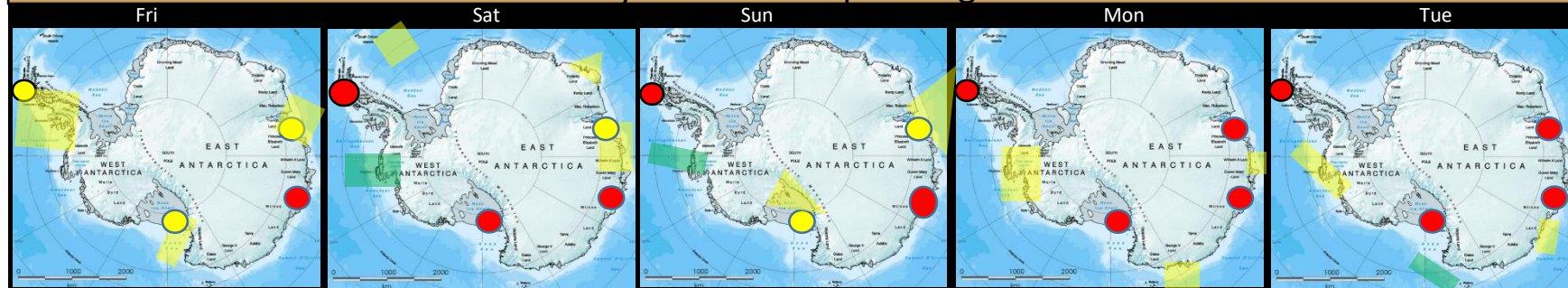
Sun +72hr

Tue +120hr



- **Davis – Casey:** Continued weak AR's along the coast with minimal advances into the interior.
- **Ross Island area:** The steering flow remains off Marie Byrd Land over the central Ross Ice Shelf and will bring in two highly modified AR's from the Pine Island Region as they migrate over the ridge in West Antarctica around the upper level low.
- **Palmer area:** Cyclones will move through the Drake Passage producing weak AR's in the Northern sector today through Friday. The steering flow remains weak with minimal AR impacts over the region for early next week.

## 6 Day Predicted Impact Regions



## Best Guess for 10 Day Outlook

Davis Casey  
EC – 18 Aug 2022 SFC  
PCN/Press/Temps

**Princess E.–Wilkes Land**

AUS NZ  
EC – 19 Aug 2022 SFC  
Press with 400hPa  
RI wind flow

**George V – M. Byrd Land**

PA  
EC 17-20 Aug 2022  
Roth  
SFC Press and 400hPa  
wind flow

**Antarctic Peninsula**

### Extended Outlook:

**Davis – Casey:** zonal motion along the coast is expected to remain and produce only weak AR measures with the best impact on Thursday as a low migrates toward Casey.

**Ross Island area:** Migrating cyclones will move closer during this period but the flow will keep them north of 70S as they transit across the Ross Sea.

**Palmer area:** Cyclones will pass over the southern tip of South America with a High extending along the Peninsula through next week with no AR's expected this period.