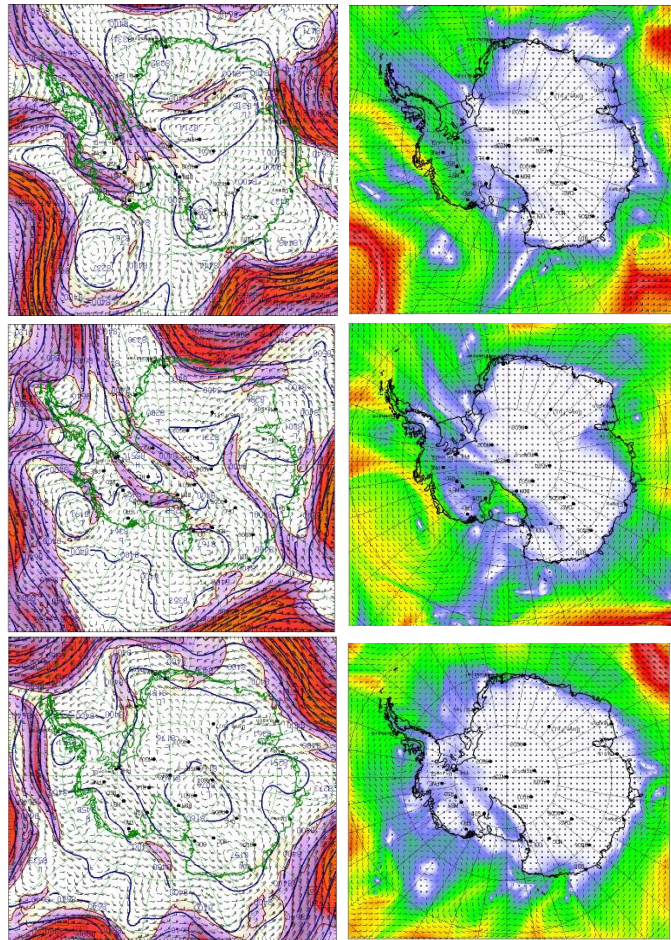


300hPa

IVT



Fri

Sat

Tue (UTC)

Discussion

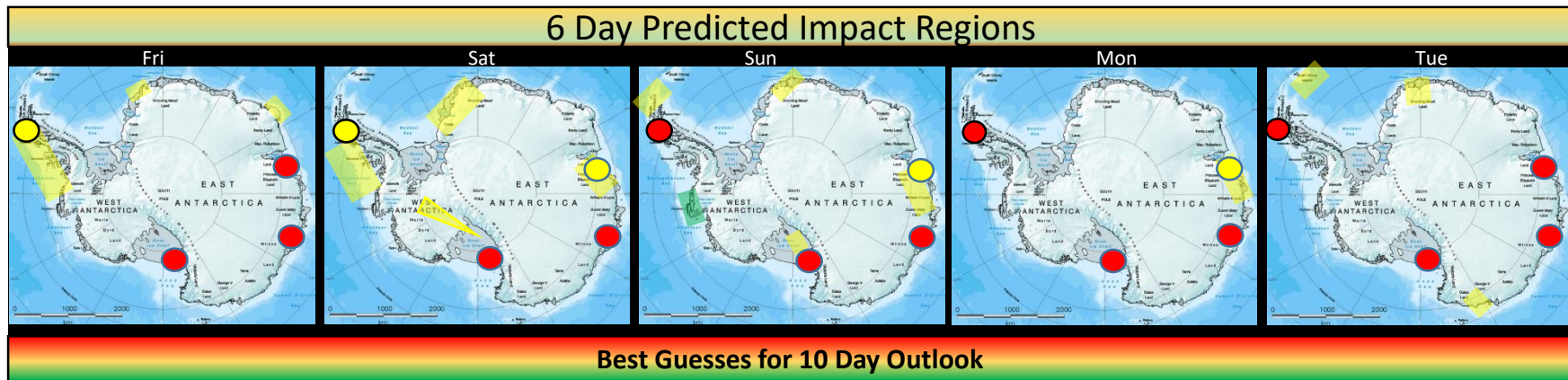
Date Issued: 4-07-2022

Activate TOPS Davis Day 1-3: No Day 4-6: Weak Day 7-10: No	Activate TOPS Casey Day 1-3: No Day 4-6: No Day 7-10: No	Activate TOPS McMurdo Day 1-3: No Day 4-6: No Day 7-10: Possible	Activate TOPS Palmer Day 1-3: Weak Day 4-6: Weak Day 7-10: Potential
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No significant opportunities are expected until late next week. The distorted Jet flow over the long range appears to organize into a more zonal pattern with a potential 6 shallow wave lengths. This is counter to my thoughts early this week. The exaggerated ridge building across Western Antarctica will leave a weak depression over the Ross Ice Shelf and break down after Saturday. The polar front will move farther northward for the remainder of the week.

A moderate inflow over Davis now appears to have its greatest impact off the Amery Ice Shelf on Saturday with a temperature increase over Princess Elizabeth Land. The warm air intrusion now does not appear to have enough support to make a strong advance east over Casey Station as previously thought.

Ross Island will have a weak depression over the Ross Ice Shelf which will fill in place by Mid-week. If there is any vorticity left it will be coupled with a cyclonic flow transiting Victoria Land by the 15th and present a coupled depression with a major depression crossing to the north.



Extended Outlook:

- Davis – Casey: Very weak occurrence on 11-13 Apr
- Ross Island: A coupled system will merge late next week in the Ross Sea (note: the system in the Ross Ice Shelf will be modified from the system that migrated across W. Ant and the new system that transited over Victoria Land.
- Peninsula: An upper level flow will meander farther southward next week and provide an opportunity on Sat/Sun 16-17 Apr.

AUS

EC- 13 Apr 2022 15Z
925hPa Wind/Temp

Davis Casey

Princess E.–Wilkes Land 13 Apr

NZ

EC- 16 Apr 2022 15Z
925hPa Wind/Temp

RI

George V – M. Byrd Land 16 Apr

PA

EC- 16 Apr 2022 15Z
300hPa Wind

Roth

Antarctic Peninsula 16 Apr