

300hPa

IVT

Discussion

Date Issued: 5-05-2022

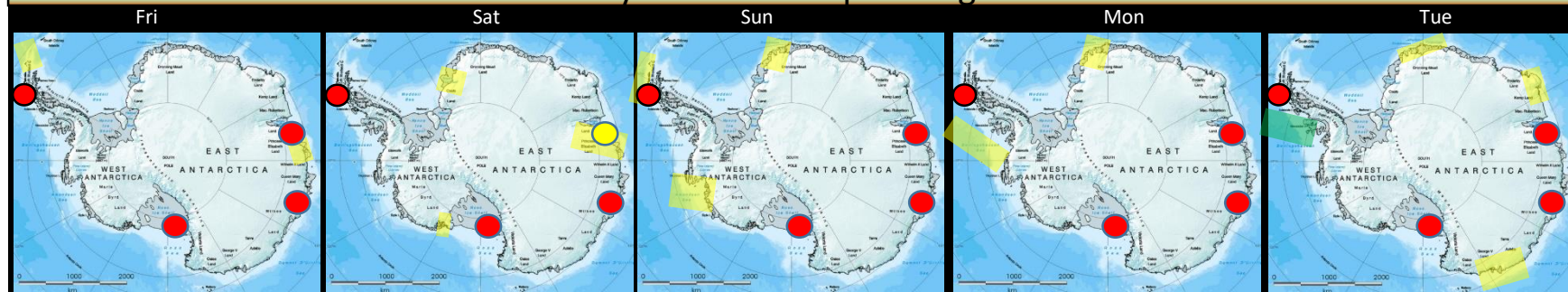
Activate TOPS Davis	Day 1-3 Day 4-6 Day 7-10	Weak No No	Activate TOPS Casey	Day 1-3 Day 4-6 Day 7-10	No No No	Activate TOPS McMurdo	Day 1-3 Day 4-6 Day 7-10	No No No	Activate TOPS Palmer	Day 1-3 Day 4-6 Day 7-10	Weak No Yes
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Fri A five spoke pattern in the long wave is not favorable for significant events but the Polar vortex as seen at the 300hPa level will extending into a deepening low center moving toward the Antarctic Peninsula. This system continues to show favorable conditions developing over the Peninsula next week.

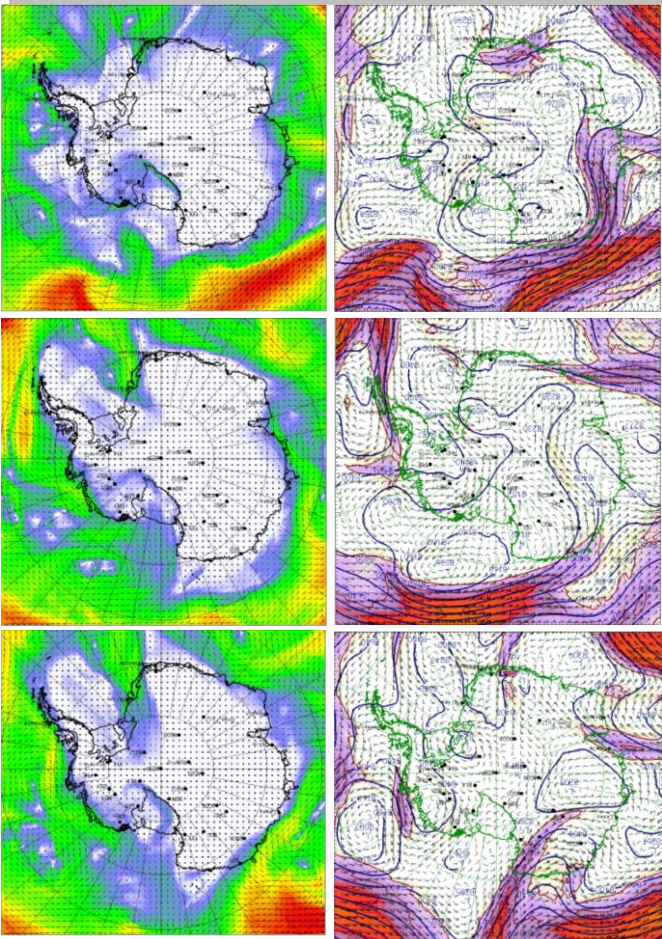
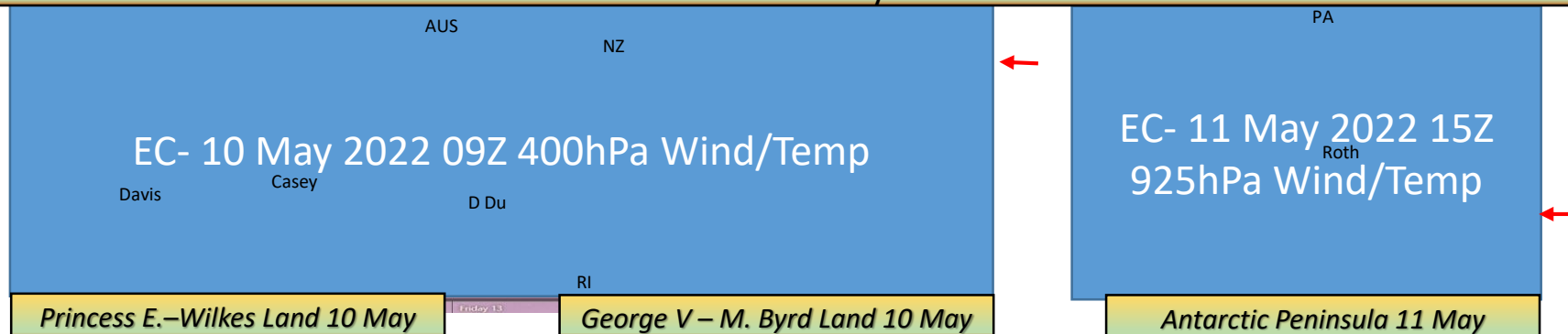
Sun A weak broad pattern exists over Princess Elizabeth through Wilkes Land that will produce a weak opportunity Saturday at Davis Station. The migrating Low will move east and by Saturday will produce a weak occurrence along the Wilkes Land coast with fair temperature advection up to 400hPa peaking on Tuesday.

Tue (UTC) A flow from the Amundsen Sea into the Ross Ice Shelf will remain but only light AR signatures periodically advance over the Amundsen Coast.

6 Day Predicted Impact Regions



Best Guess for 10 Day Outlook



Extended Outlook:

Davis – Casey: No events appear after the weak intrusion on Saturday .

Ross Island area: Flow from West Antarctica continues, while a weak intrusion is setting up over eastern portion of Wilkes Land by Tuesday and could extend as far east as Dumont D’ Urville as the system migrate eastward.

Palmer area: A moderate AR response appears plausible next week with a flow from the central Pacific pushing a series of low pressure systems into the Bellingshausen Sea.