

300hPa

IVT

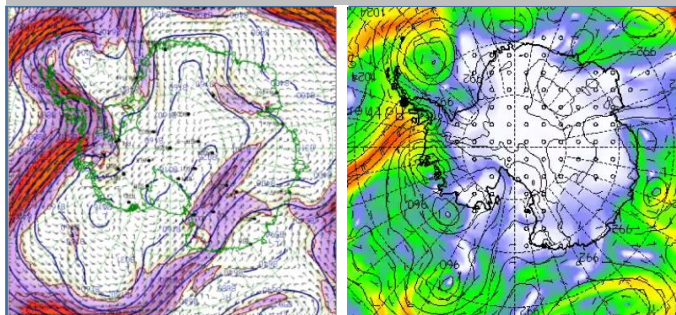
# Discussion

Date Issued: 05-16-2022

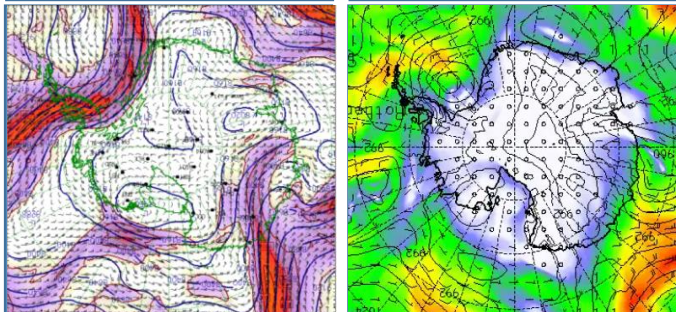
Activate TOPS <b>Davis</b>	Day 1-3 Day 4-6 Day 7-10	● No ● No ● Yes	Activate TOPS <b>Casey</b>	Day 1-3 Day 4-6 Day 7-10	● Weak ● No ● Yes	Activate TOPS <b>McMurdo</b>	Day 1-3 Day 4-6 Day 7-10	● No ● No ● No	Activate TOPS <b>Palmer</b>	Day 1-3 Day 4-6 Day 7-10	● Yes ● Yes ● No
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The Jet flow shows signs of weakening from the Pacific through the Atlantic particularly over the Peninsula this week. The long waves are depicted with elongated but weakening meridional flow. The one exception is over the Indian Ocean where deep low pressure centers will pass near Davis and Casey. A significant pair of lows in this region are projected by Sunday.

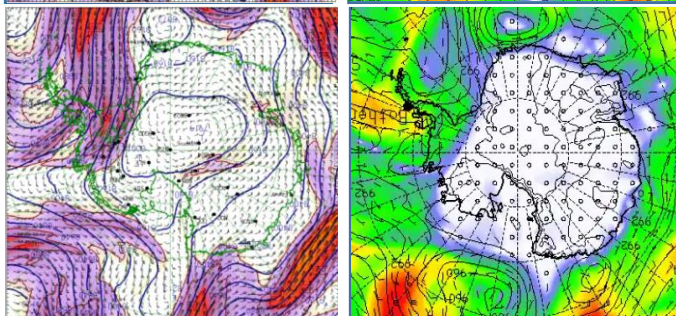
- A minor AR over and east of Casey will continue to move eastward. Decaying waves in the Davis Sea will continue through the week with only minor intrusions over the next 6 days. The deepest system will impact the region early next week.
- No AR's will impact the Ross Sea over the next 6 days.
- The AR waves continue over the Peninsula and has lasted longer than forecasted with AR waves easing over the weekend.



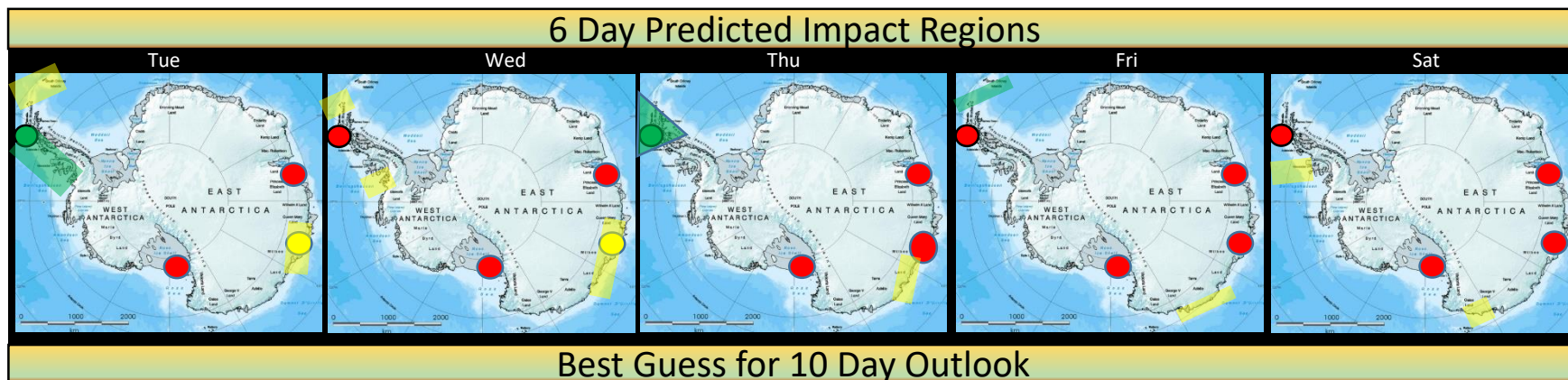
Tue



Thu



Sat (UTC)



### Extended Outlook:

**Davis – Casey:** Davis is projected to see an AR passing just east of station on Sunday and moving over Casey by Tuesday.

**Ross Sea:** A substantial stacked low will be positioned in the eastern Ross Sea by this weekend. If the upper level flow is greater than current projections, this pattern has a “potential” flow to push an AR westward into the Ross Ice Shelf by late next week. Probability is still low at this time.

**Palmer area:** The flow will ease over this period with no AR's projected next week.

