

300hPa

IVT

# Discussion

Date Issued: 3-31-2022

Activate TOPS	Day 1-3	● No	Activate TOPS	Day 1-3	● No	Activate TOPS	Day 1-3	● No	Activate TOPS	Day 1-3	● Weak
<b>Davis</b>	Day 3-5	● No	<b>Casey</b>	Day 3-5	● Weak	<b>McMurdo</b>	Day 3-5	● No	<b>Palmer</b>	Day 3-5	● No
	Day 5-10	● No		Day 5-10	● No		Day 5-10	● No		Day 5-10	● No

The Polar Jet is migrating northward and appears to be setting on a 5-6 wave pattern through this forecast period. Only small and weak opportunities will present themselves with the exception of near the Admundsen Sea early next week.

Some jet fingers will split off the main jet causing weak intrusions over the Peninsula on Friday and again on Tuesday. Casey will catch just the edge of a migrating low pressure system on Sunday/Monday causing cloud skies and snow but weak support for a atmospheric river. Casey should be watched for any deviation in the jet max support that could drive a thermal contrast farther southward over the station but at this time all indicators show the system will stay well out to sea.

ECMWF has a potential long wave moving into the Pine Island region late next week (8-9 days out). At that range the possibility exists that the intrusion could push farther east and have a deeper wave impacting the Peninsula.

I see no other indicators currently present.

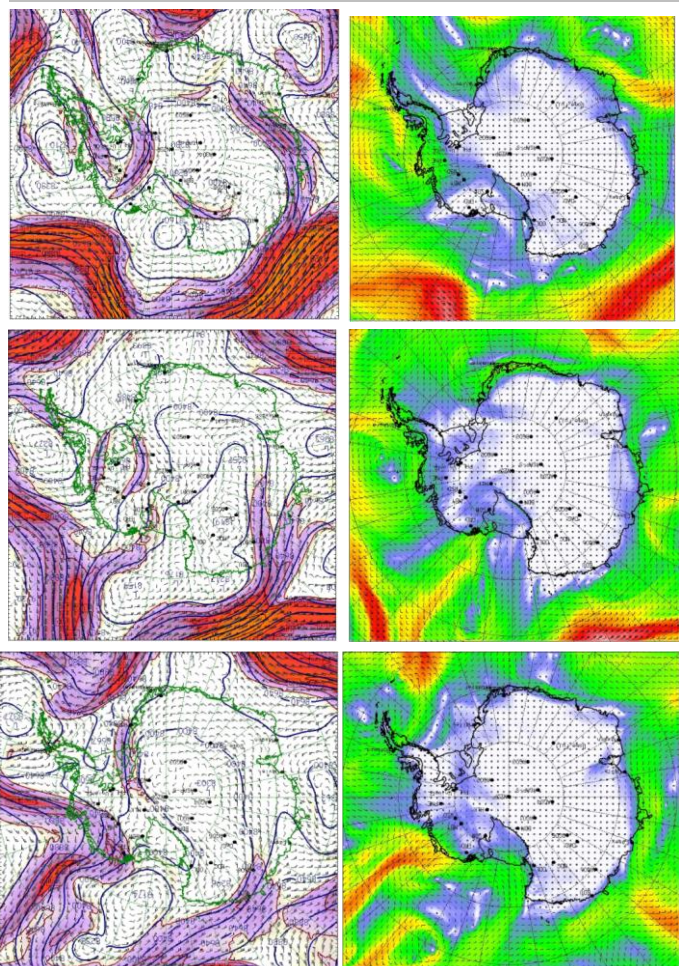
*Note: I have moved the forecast to the full 120hr out to assist with as much advance warning as possible*

Fri

Sun

Tue

(UTC)

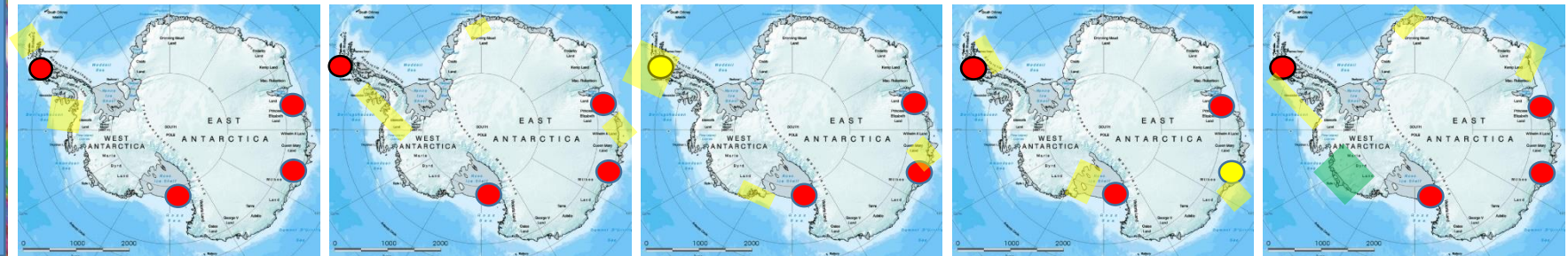


AUS NZ PA RI

Casey  
Davis EC- 4 Apr 2022 18Z 400hPa Wind Both

Comparative ECMWF for Day 4 (WINDY.COM)

## 6 Day Predicted Impact Regions



Fri Sat Sun Mon Tue