

# Discussion

Date Issued: 05-30-2022

Activate TOPS	Day 1-3	Day 4-6	Day 7-10	Activate TOPS	Day 1-3	Day 4-6	Day 7-10	Activate TOPS	Day 1-3	Day 4-6	Day 7-10	Activate TOPS	Day 1-3	Day 4-6	Day 7-10
<b>Davis</b>	Weak	Yes	Yes	<b>Casey</b>	No	No	Yes	<b>McMurdo</b>	Yes	No	No	<b>Palmer</b>	No	Weak	Weak

Tue +24hr

Thu 00Z

Sat +120hr

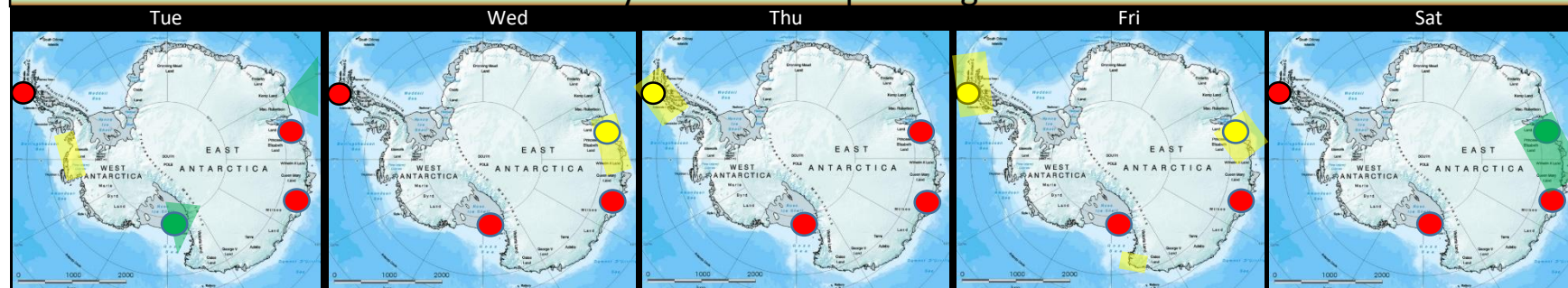
The upper level jet max near Cape Adare will take a zonal flow across the Ross Sea and migrating lows will stay near the coast off Western Antarctica. This will provide a breakdown in the high pressure off the coast of Chile and allow Migrating Lows to move through the Drake Passage with weak AR's over the Peninsula by late this week.

A decaying wave will move into Davis Station from the Indian Ocean. This will set the path for a more aggressive AR to approach the region by Friday.

Oates Land will also see a migrating depression produce a weak AR over Victoria Land late this week.

- Expect a series of weak AR's over the Antarctic Peninsula beginning on Thursday as migratory lows pass through the region
- The AR over the Ross Sea will diminish early this week, peaking today. A weak AR will move across the northern part of Victoria Land then rapidly across the northern Ross Sea.
- Davis and Casey will see a pair of AR's advancing. The initial system on Wednesday appears weak over Davis but the following AR is expected to provide measurable conditions extending east toward Casey Station by the end of this period through the weekend.

## 6 Day Predicted Impact Regions



## Best Guess for 10 Day Outlook

EC- 5 Jun 2022 18Z  
Davis Casey  
925hPa Wind/Temp

Princess E.-Wilkes Land 05 Jun

EC- 8 Jun 2022 00Z SFC Wind/Temp

George V - M. Byrd Land 07 Jun

Antarctic Peninsula 07 Jun

### Extended Outlook:

**Davis - Casey:** The series of AR pushes will peak this weekend with only minor intrusions expected next week.

**Ross Island area:** No AR's expected

**Palmer area:** A weak AR's will advance over the region late next week.