

# Discussion

Date Issued: 07-07-2022

Activate TOPS Day 1-3 <span style="color: green;">●</span> Active	Activate TOPS Day 1-3 <span style="color: green;">●</span> Active	Activate TOPS Day 1-3 <span style="color: green;">●</span> Active	Activate TOPS Day 1-3 <span style="color: red;">●</span> No
Activate TOPS Day 4-6 <span style="color: red;">●</span> No	Activate TOPS Day 4-6 <span style="color: red;">●</span> No	Activate TOPS Day 4-6 <span style="color: yellow;">●</span> Weak	Activate TOPS Day 4-6 <span style="color: yellow;">●</span> Weak
Activate TOPS Day 7-10 <span style="color: green;">●</span> Yes	Activate TOPS Day 7-10 <span style="color: green;">●</span> Yes	Activate TOPS Day 7-10 <span style="color: red;">●</span> No	Activate TOPS Day 7-10 <span style="color: red;">●</span> No

All East Antarctic and Ross Sea Stations remain active, extended to 09/00Z. The general flow over the Atlantic has broadened, keeping measurable activity north of adjacent areas. This northward movement of the Jet will extend across the Indian Ocean through the weekend making AR's unfavorable for most of East Antarctica into next week. A strong jet exiting the eastern Indian Ocean and intrusions from the Pacific will maintain activity from George V Land into the Bellingshausen Sea through his period.

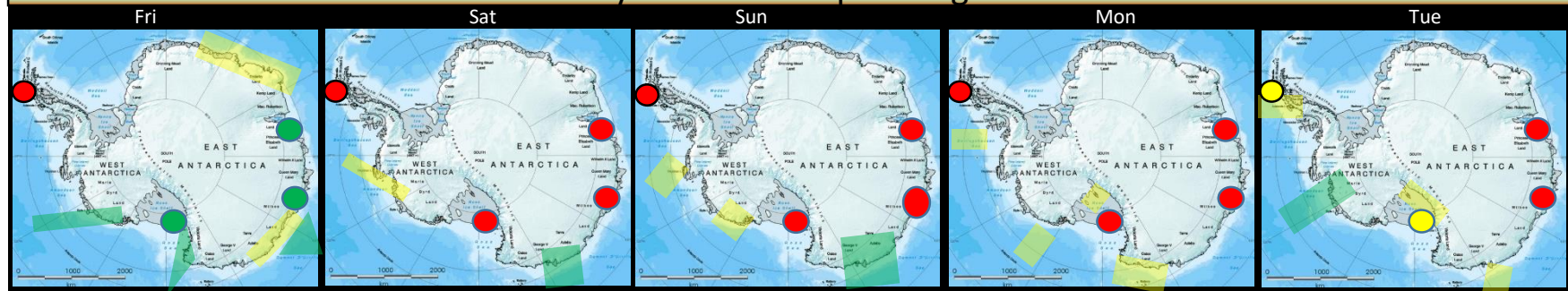
Fri +33hr

Sun +72hr

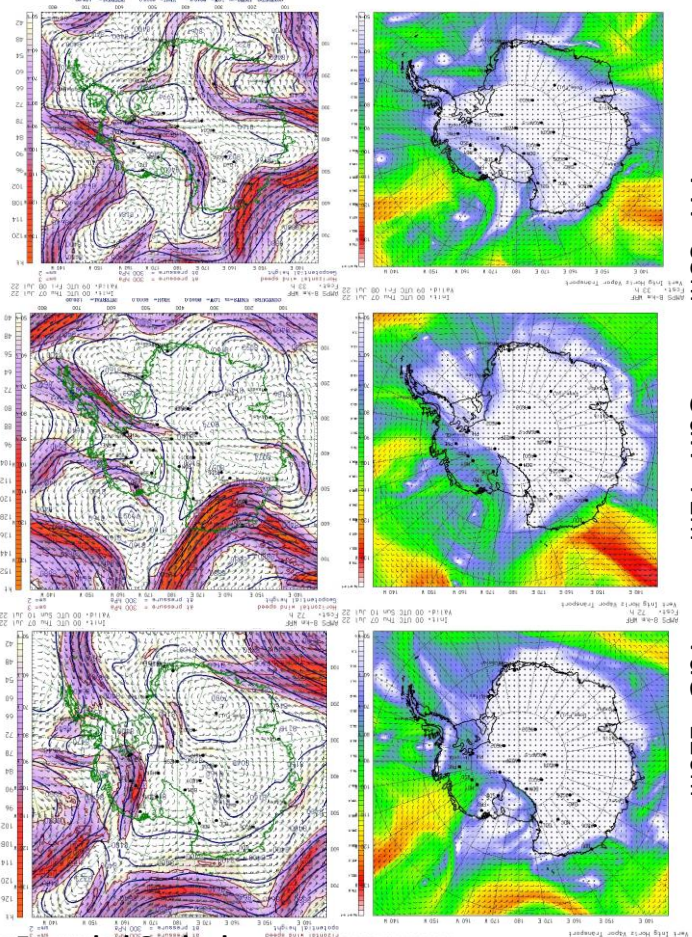
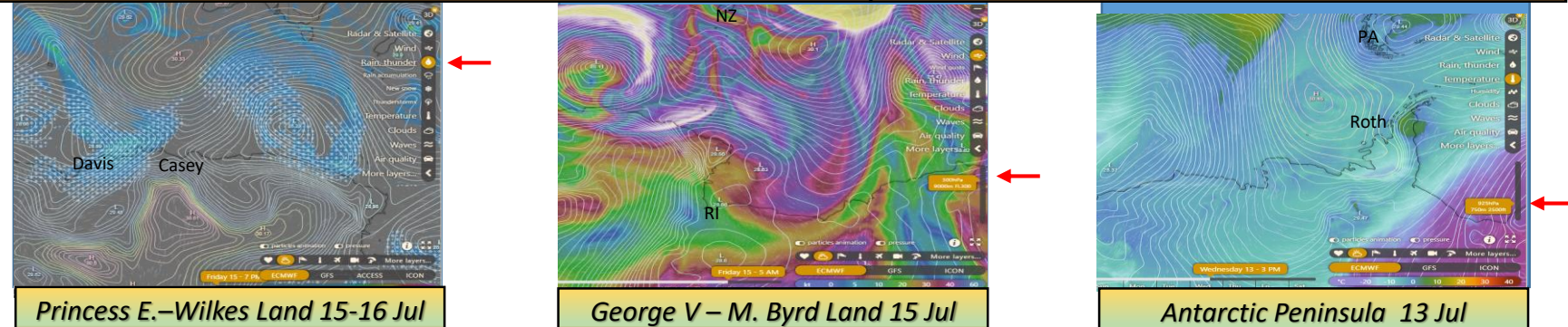
Tue +120hr

- The system along Wilkes Land will move east of Casey Station tomorrow with a deep low advancing over DDU with an AR well into the interior through the weekend.
- A frontal boundary that moved over the Oates Coast has moved farther south with a major short wave supporting this advance through Victoria Land. The trough will slide east over Ross Island on Friday and produce a Leaside Low just north of Ross Island. Additional following short waves along the frontal boundary will hold a cyclone over the southern Ross Sea into early next week.
- The Antarctic Peninsula will see little activity as a ridge over the Bellingshausen Sea holds through the weekend. A weak AR will move into the area on Tuesday.

## 6 Day Predicted Impact Regions



## Best Guess for 10 Day Outlook



### Extended Outlook:

**Davis – Casey:** A deep depression will move inland just east of Casey Station on Wednesday. This may too far east to be of importance. Friday a second Low will start to bring snow and warmer temps across the area from Davis Station to Casey.

**Ross Island area:** The steering flow will continue to develop cyclones in the Ross Sea as the supporting short waves migrate over Victoria Land but stay north of Ross Island with the closest system on Friday.

**Palmer area:** Ridges and Highs will continue to dominate the area after each cyclone passes north of the region. No measurable AR is expected.