

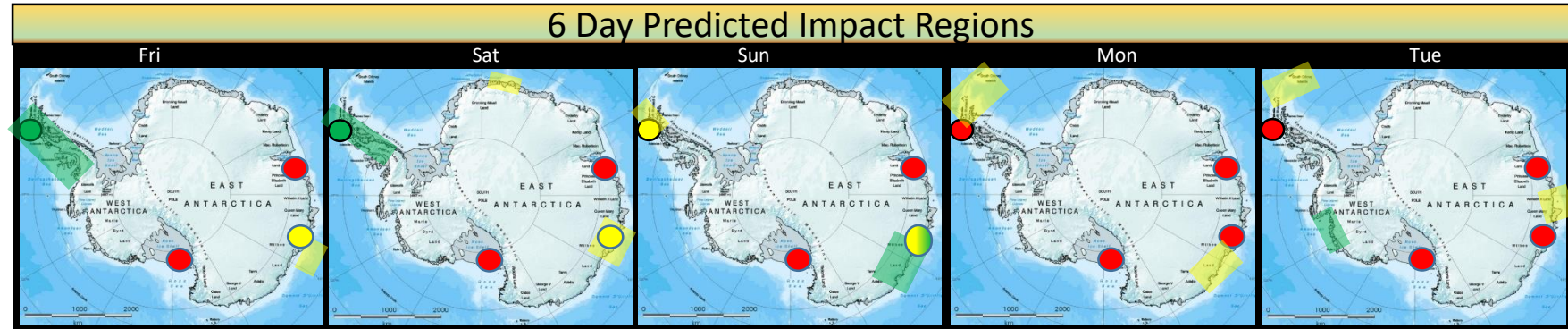
Discussion

Date Issued: 5-12-2022

Activate TOPS Davis Day 1-3: No (Red) Day 4-6: No (Red) Day 7-10: No (Red)	Activate TOPS Casey Day 1-3: Weak (Green) Day 4-6: Mod (Yellow) Day 7-10: No (Red)	Activate TOPS McMurdo Day 1-3: No (Red) Day 4-6: No (Red) Day 7-10: No (Red)	Activate TOPS Palmer Day 1-3: Yes (Green) Day 4-6: Weak (Yellow) Day 7-10: Possible (Red/Yellow)
---	---	---	---

The upper level lows in the Bellingshausen Sea and the High Plateau will fill this weekend leaving the primary circulation over the Ross Sea which deepens through the week. This will drive the most significant wave activity from the Indian Ocean into South Pacific and Western Antarctica through the forecast period.

- A migrating low along the East Antarctic Coast will produce a weak to moderate intrusion over and to the east of Casey Station during the next 4 days. This AR originating from the Indian Ocean and should produce a weak to moderate intrusion.
- Ross Island region will be clear of any AR's this week as the steering level depression over the Ross Sea pulls mass away from the Ross Ice Shelf.
- The AR over the peninsula will continue with the last pulse moving through into the Weddell Sea on Monday. The system will ease late Monday as the upper level support breaks down.



Extended Outlook:

Davis – Casey: Davis has a weak potential next Thursday as a migrating low stalls west of the Amery Ice Shelf.

Ross Island area: No AR's are expected through the period.

Palmer area: The AR over the Peninsula will ease this week. A jet max will migrate out of the Indian Ocean and around the South Pacific. This has some potential to produce another AR into the Bellingshausen Sea by late next week as the AR moves from Western Antarctica into the Bellingshausen Sea

Best Guess for 10 Day Outlook

EC- 19 May 2022 15Z 925hPa Wind/Temp ←	EC- 19 May 2022 21Z 925hPa Wind/Temp ←	EC- 19 May 2022 00Z 500hPa Wind/Temp ←
Princess E.–Wilkes Land 19 May	George V – M. Byrd Land 19 May	Antarctic Peninsula 18 May