

Tue +24hr

Thu 00Z

Sat +120hr

Discussion

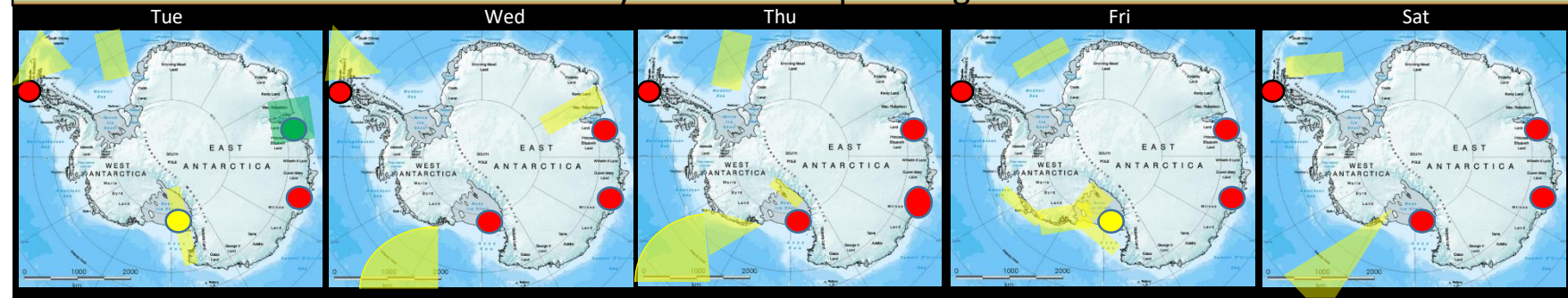
Date Issued: 06-13-2022

Activate TOPS Davis	Day 1-3 ● Yes Day 4-6 ● No Day 7-10 ● No	Activate TOPS Casey	Day 1-3 ● No Day 4-6 ● No Day 7-10 ● No	Activate TOPS McMurdo	Day 1-3 ● Weak Day 4-6 ● Weak Day 7-10 ● No	Activate TOPS Palmer	Day 1-3 ● No Day 4-6 ● No Day 7-10 ● No
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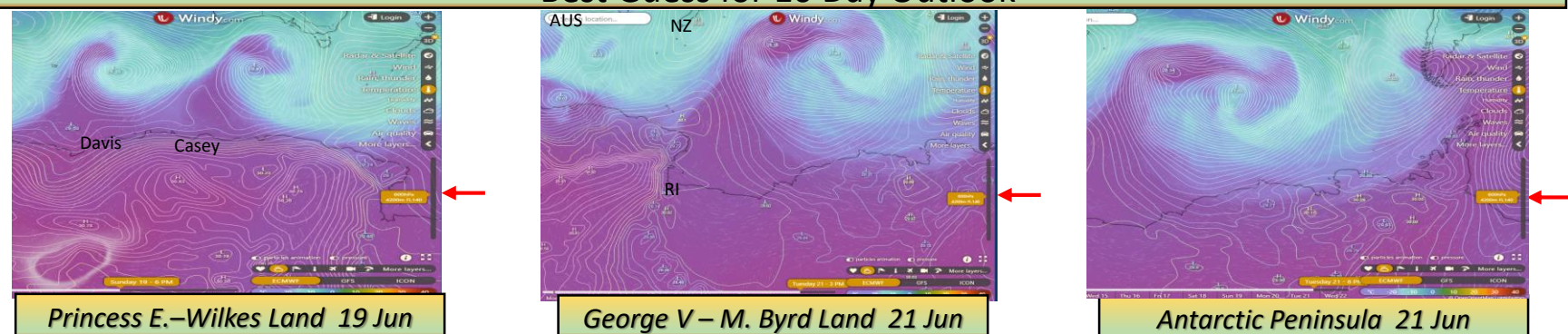
Upper level circulations have shifted with a depression over the Ross Sea, a High has formed over East Antarctica centered over Davis Station, and the cyclonic circulations over the So. Atlantic have weakened and moved northward. The ridging from the High is promoting a jet intrusion around the continent interior for the early week and will dampen AR development in most regions.

- A decaying wave impacting the Amery Ice Shelf will temporarily be enhanced as the ridge over East Antarctica becomes a complete High circulation. As the High evolves it will cut off the AR from the mid-latitude source and hamper any near term AR development.
- Cyclonic circulation over the Ross Sea will continue to enhance AR's flowing from the Thiel Mts. for the early week. The circulation will be replenish by a fresh intrusion from the South Pacific as the circulation tightens on Friday. Only a brief and weak AR will extend into the western Ross Sea through this period.
- A weak AR will pass the northern region of the Peninsula during the early week with primary AR flows focused in the Weddell Sea around a series of decaying waves in the region.

6 Day Predicted Impact Regions



Best Guess for 10 Day Outlook



Extended Outlook:

Davis – Casey: The center of the Plateau High in this region will keep the migratory lows off the coast.

Ross Island area: The Ross Sea Low will fill by this period and the AR flow will be replaced with weak off continent winds.

Palmer area: A high pressure center will transit over the tip of South America next week extending a ridge into the Bellingshausen Sea ahead of a deep low in the Pacific. The extended ridge will decreasing the chances of any AR's for this period.