

Discussion

Date Issued: 07-25-2022

Activate TOPS Davis	Day 1-3 ● No Day 4-6 ● Weak Day 7-10 ● No	Activate TOPS Casey	Day 1-3 ● Yes Day 4-6 ● Yes Day 7-10 ● No	Activate TOPS McMurdo	Day 1-3 ● No Day 4-6 ● No Day 7-10 ● No	Activate TOPS Palmer	Day 1-3 ● Yes Day 4-6 ● Weak Day 7-10 ● No
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Tue +24hr

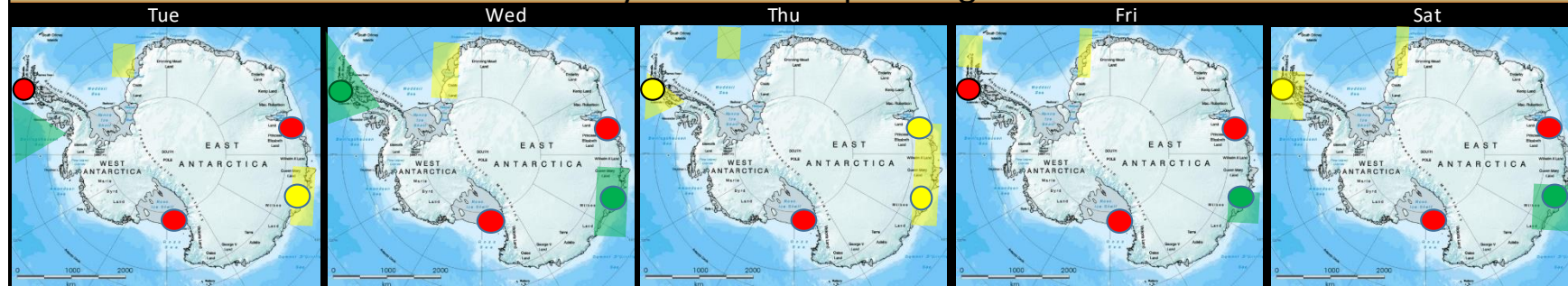
Thu 00z

Sat +120hr

The long wave pattern is breaking down this week with the jet winds migrating north and away from Antarctica over most of the region. A single flow into East Antarctica will be the only exception bringing heightened activity into Wilkes Land.

- A storm track will remain over Casey Station and areas east producing the max AR on Friday. Some activity will build west and potentially reach Davis Station associated with a retrograding Low Mid Week.
- A stacked cyclone over Marie Byrd Land coupled with a broad off continent circulation will provide an enhanced southerly flow over the Ross Ice Shelf with no AR's expected.
- AR's associated with migrating Lows into the Peninsula will diminish in measurable activities with each progression as systems transit on a more northerly track by the end of the week.

6 Day Predicted Impact Regions



Best Guess for 10 Day Outlook

Davis Casey
EC – 31 Jul-03 Jul SFC
press/PRPN and 925
hPa Temps

Princess E.–Wilkes Land

AUS NZ
NO AR's expected
RI

George V – M. Byrd Land

PA
Roth
EC – 3 Aug SFC
press/PCPN

Antarctic Peninsula

Extended Outlook:
Davis – Casey: A migrating system out of the Indian Ocean will advance south into the Amery Ice Shelf and provide a measurable AR for Davis Station on Sunday and spreading to Casey by early next week.

Ross Island area: No activity as off continent flow continues

Palmer area: Migratory Lows will move south of the Peninsula through Tuesday. A major trough will move into the Bellingshausen Sea late Wednesday with a potential strong AR mid-next week just beyond this outlook period.