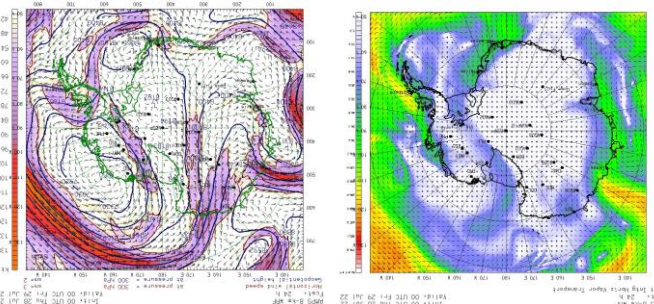


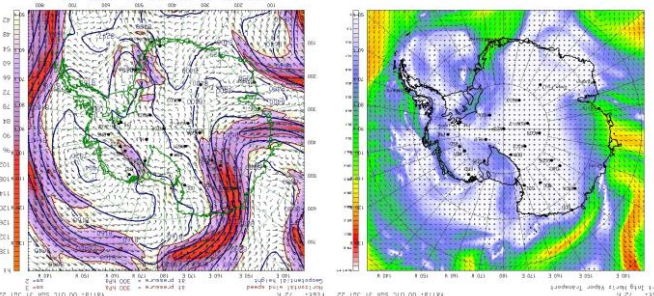
Discussion

Date Issued: 07-28-2022

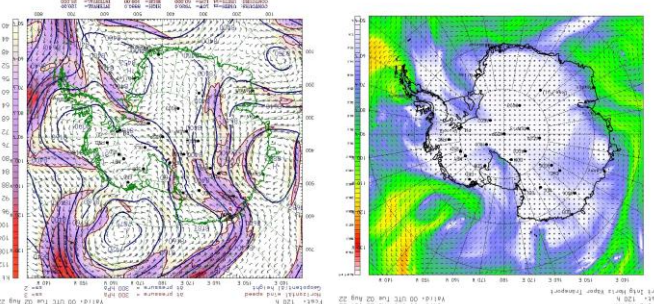
Activate TOPS Davis	Day 1-3 Day 4-6 Day 7-10	<input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> Weak	Activate TOPS Casey	Day 1-3 Day 4-6 Day 7-10	<input type="radio"/> No <input checked="" type="radio"/> Weak <input type="radio"/> No	Activate TOPS McMurdo	Day 1-3 Day 4-6 Day 7-10	<input type="radio"/> No <input type="radio"/> No <input type="radio"/> No	Activate TOPS Palmer	Day 1-3 Day 4-6 Day 7-10	<input type="radio"/> No <input type="radio"/> No <input checked="" type="radio"/> Yes
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Fri +24hr



Sun +72hr



Tue +120hr

The pattern of the steering flows migrating northward with the exception of the strong upper level ridge over Eastern Antarctica will remain through the weekend. This pattern will focus attention in Princess Elizabeth Land for advances and over Terre Adele Land where a responding evacuation will push northward into the Pacific.

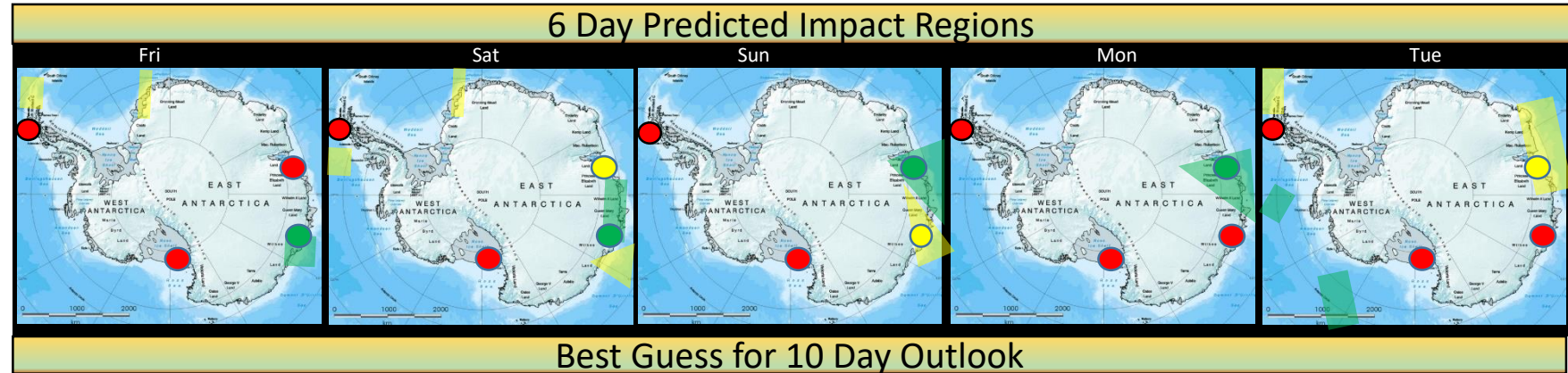
- Kemp Land to Wilkes Land will be impacted by a series depressions along three frontal systems migrating out of the Indian Ocean. The staggering tracks are providing the initial AR over Casey and each subsequent system's trajectory will fall farther west backing toward Davis Station into next week.
- The forced mass off Terre Adele Land will initially decrease the chances for storm tracks to move toward Ross Island from the north. No AR's are expected this period.
- Migrating Lows will pass north of the area this weekend with a minor pass over the South Shetlands on Tuesday, which will stagger and deepen a low moving into the Bellingshausen Sea.

Extended Outlook:

Davis – Casey: The intrusion over the region will subside by Thursday and no additional AR's are expected for this period.

Ross Island area: No AR's expected as the jet flow coming off East Antarctica drives systems along a more northerly track.

Palmer area: The deepening Low in the Bellingshausen has a series of major shortwaves along a well developed frontal boundary dipping deep into the Pacific. A major AR is anticipated with precipitation, possibly mixed at times and surface temperatures rises to near or above freezing.



Davis Casey
 EC – 03-04 Aug 2022
 SFC Press/Pcpn and
 925hPa temps
 Princess E.–Wilkes Land

AUS NZ
 No AR's are expected
 RI
 George V – M. Byrd Land

PA
 Roth
 EC - 04 Aug SFC
 Press/Temps/Pcpn
 Antarctic Peninsula