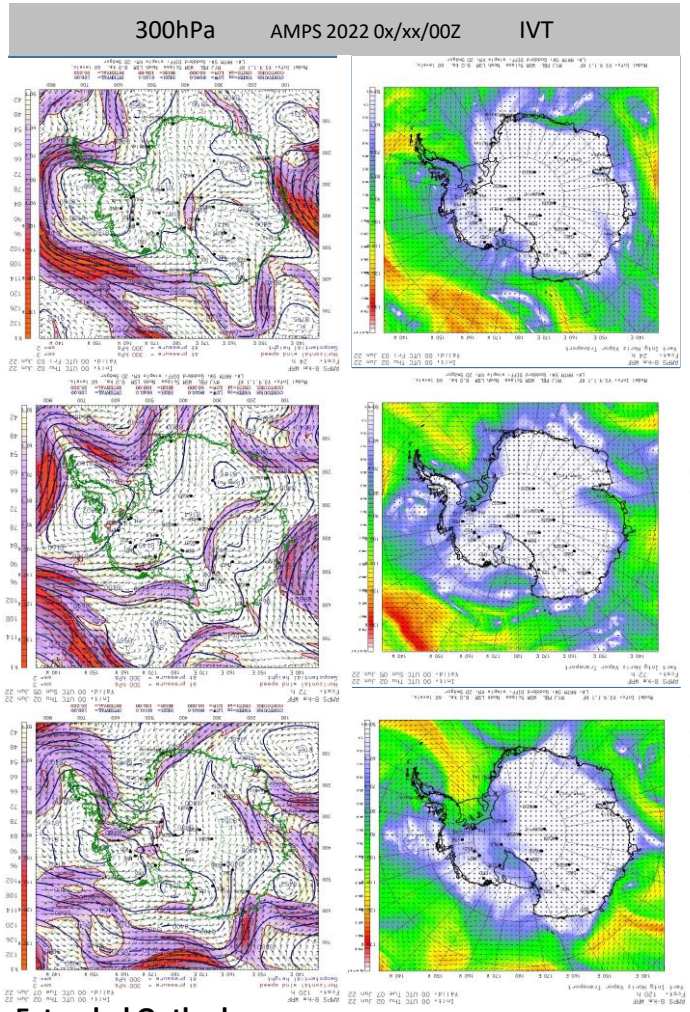
Discussion

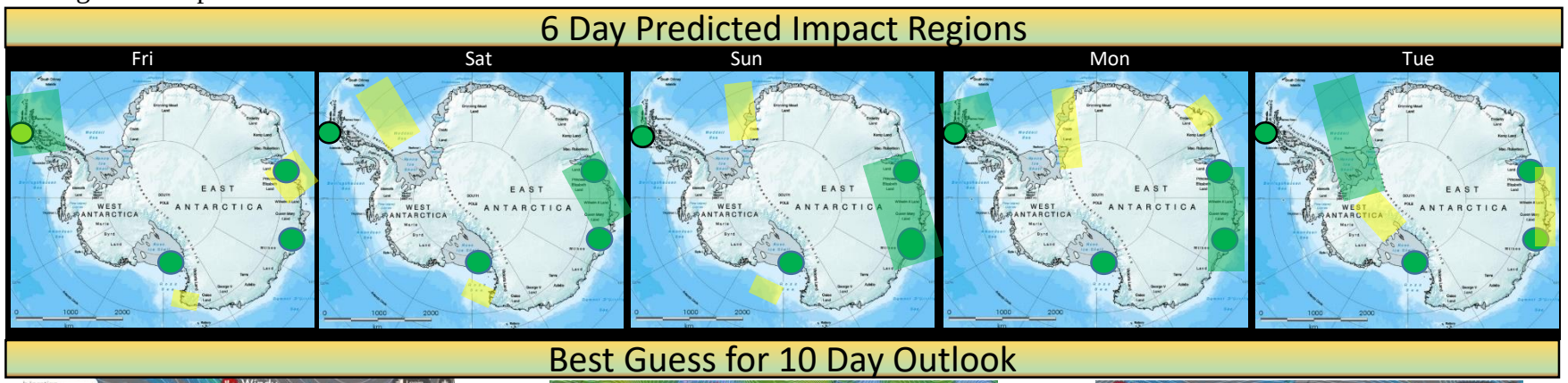
Date Issued: 06-02-2022

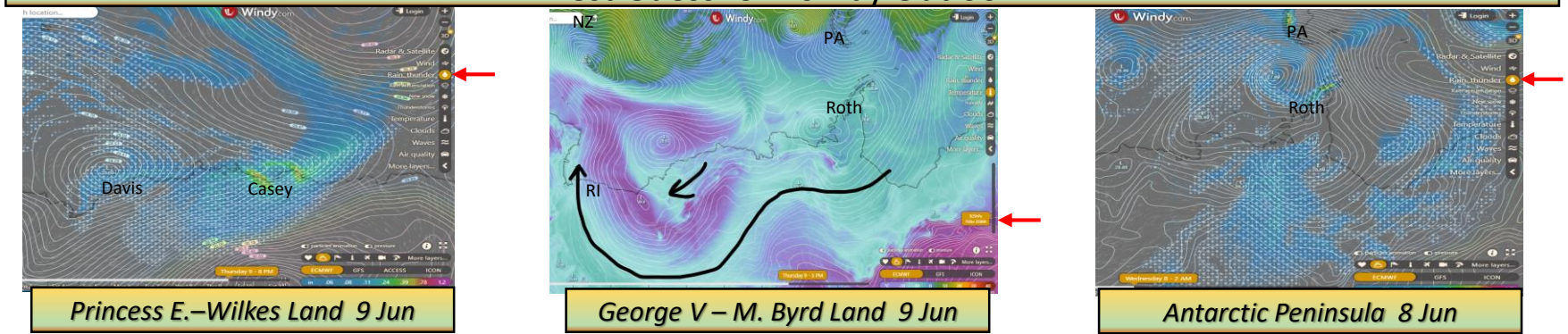
Activate TOPS			Activate TOPS			Activate TOPS			Activate TOPS		
Davis	Day 1-3	Yes	**Casey**	Day 1-3	Weak	**McMurdo**	Day 1-3	No	**Palmer**	Day 1-3	Weak
	Day 4-6	Yes		Day 4-6	Weak		Day 4-6	No		Day 4-6	Yes
	Day 7-10	Weak		Day 7-10	Weak		Day 7-10	Modified		Day 7-10	Weak

All stations are activated through 07 June 12:00 UTC to collect continent-wide data set. All stations are set to green over the next 6 days for the collection. The steering flow remains positive for AR's over the Peninsula and Princess Elizabeth Land. An AR will flow over the Thiel Mts. later this week marking a cross continent pathway into the Ross Sea. While no strong surface temperatures are expected to advect over east Antarctica, there will be several pushes of warm air aloft and ample moisture on the coast.

- Antarctic Peninsula steering flow will allow migrating systems to advance AR's over the region. Sunday and Monday appear to provide a measurable amount of moisture and warm air advection over the northern portion.
- Ross Ice shelf will have an AR move over the Thiel Mts. from the Weddell Sea early next week which will advance over Ross Island in the outlook period
- The AR associated with a stagnating migratory low along Davis to Casey Stations will provide an intrusion over the region throughout this period.







Extended Outlook:

Davis – Casey: A following cyclone will move into the coast on Thursday with moisture and will maintain the warm air over the coast through the end of next week.

Ross Island area: A modified AR from the Weddell Sea will pass by Ross Island next week.

Palmer area: A weak AR will provide moisture and some warm air advection on Wednesday.