

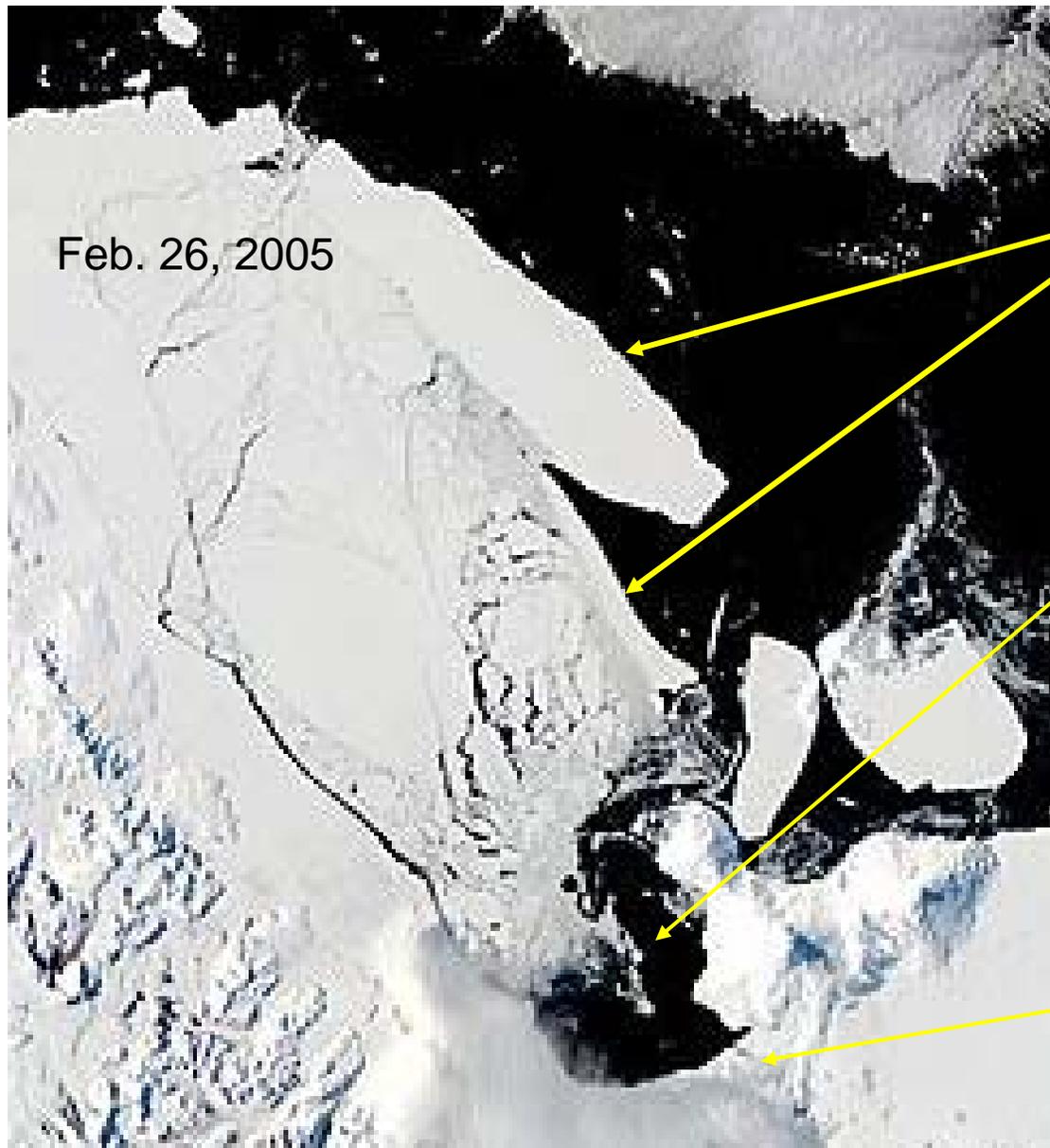
U.S. Antarctic Program Ship Resupply 2005/2006

Presentation to ARVOC
June 14, 2006



	POLAR STAR	KRASIN
Displacement	13,200 tons	20,000 tons
Horsepower	75,000/18,000	36,000
Length	396.6 ft	443 ft
Beam	89.9 ft	85.3 ft
Year Built	1976	1976

Last Year – Things to Note

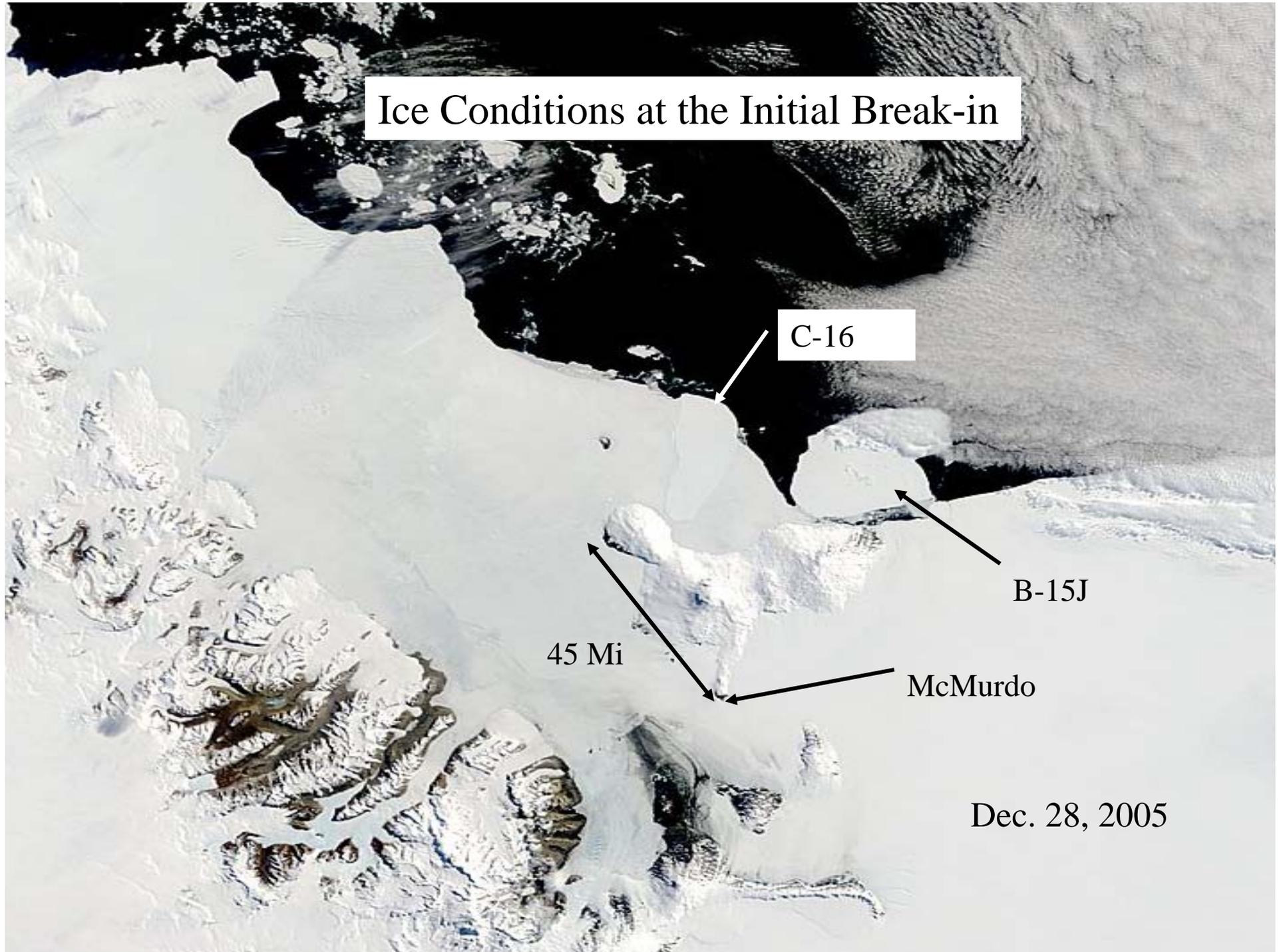


Icebergs, B-15A and B15K are effectively blocking northward movement of sea ice

Southern Part of Sound – Open water

Channel did not clear out

Ice Conditions at the Initial Break-in



C-16

B-15J

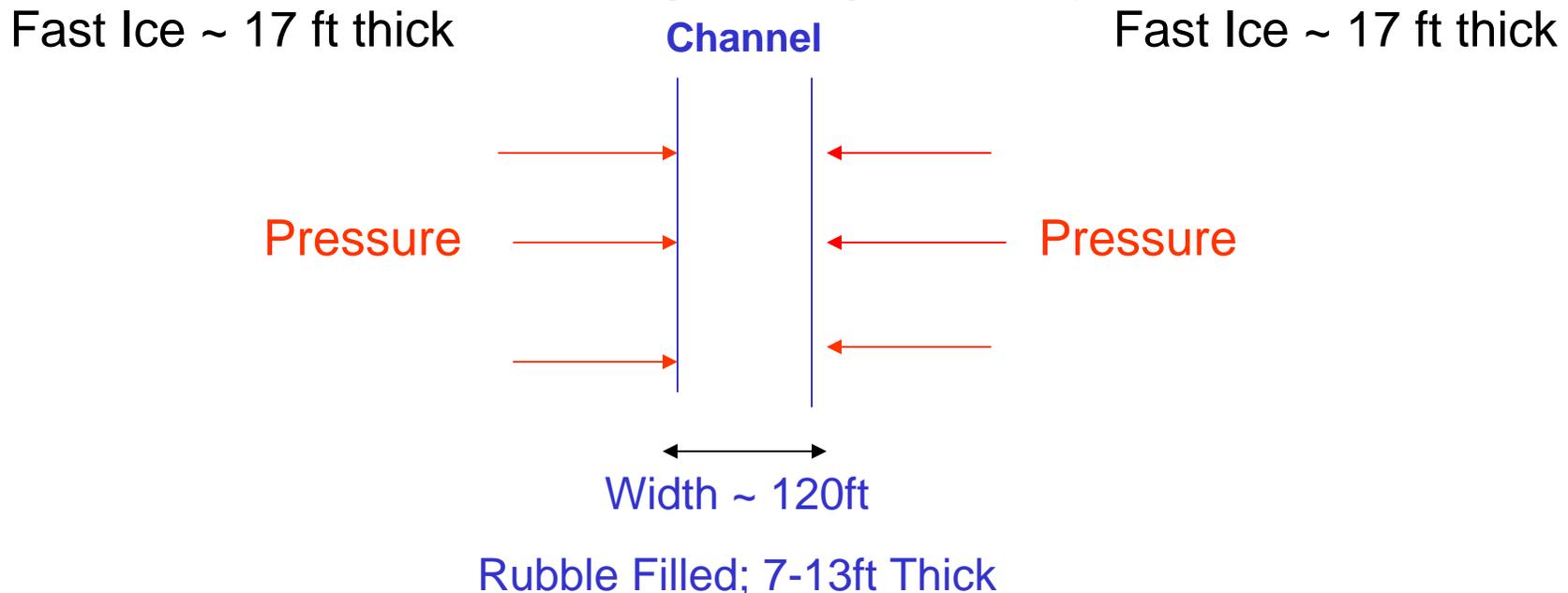
45 Mi

McMurdo

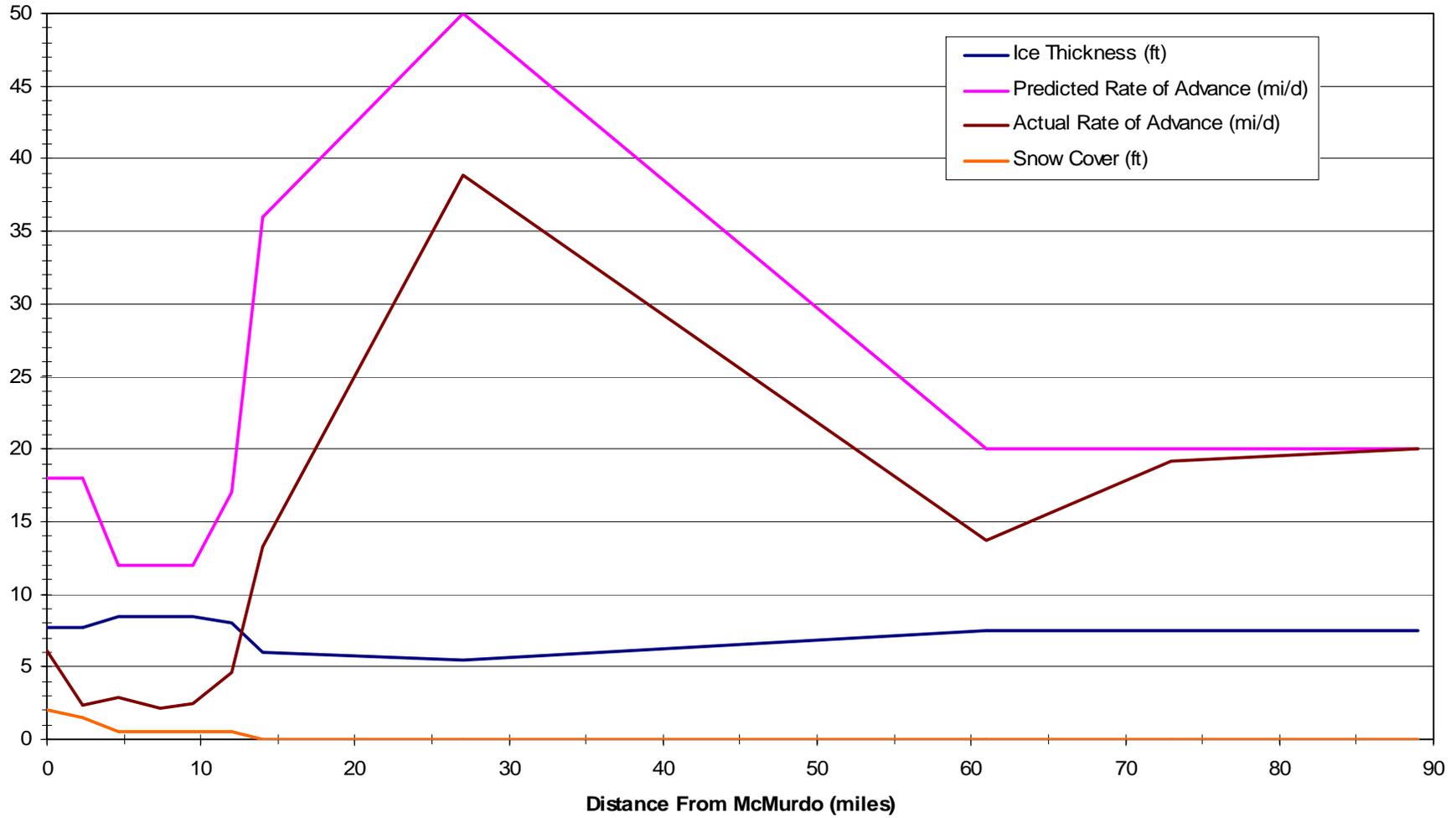
Dec. 28, 2005

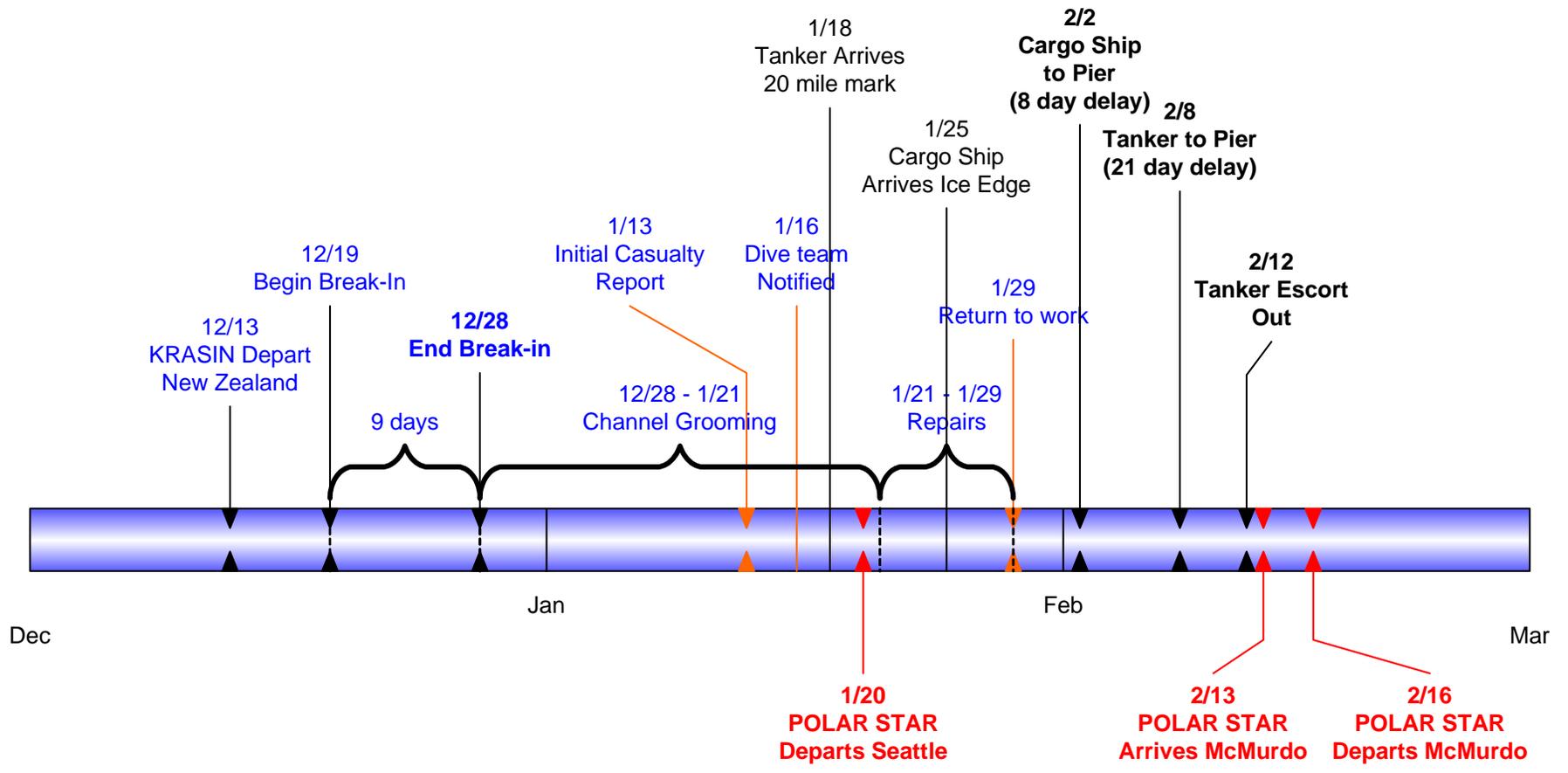
Actual Initial Break-in

- Estimated 5.6 days for “best performance” in expected ice
- Eight days allocated in schedule
- Nine days total for initial break-in
- Difference – Friction Reducing Hull coating on KRASIN (Inerta) mostly gone. Only skill of operators minimized getting stuck.
- Also, channel under unpredicted lateral pressure for the last 14 miles which hampered grooming and delayed escort



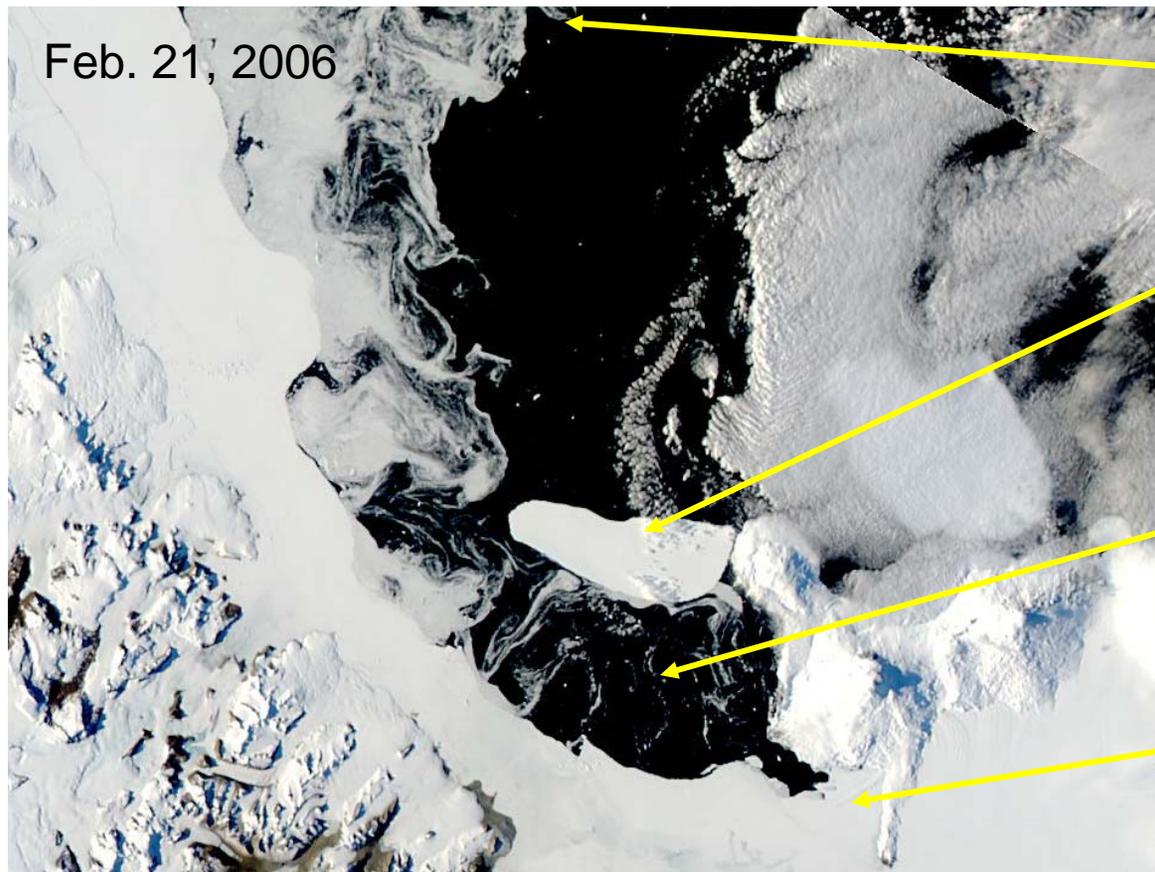
KRASIN Break-In to McMurdo Sound (2005-2006)





This Year – Things to Note

Will it become two years with no channel clear out?

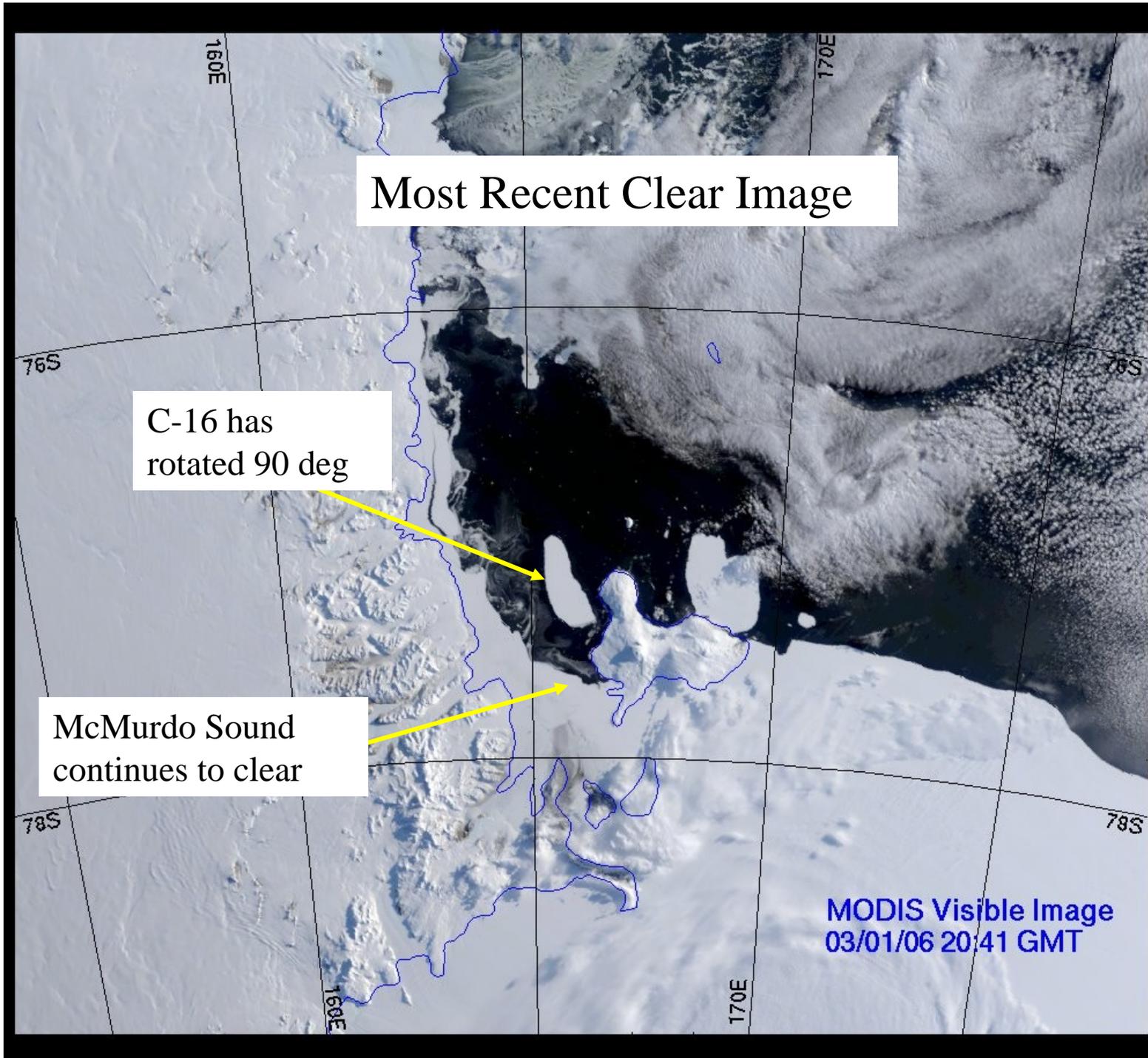


B-15A&K
Completely
Clear of
McMurdo Sound

C-16 Recently
Moved into
Sound

Southern Part of
Sound – Open Water

Channel has not
yet Cleared out



Most Recent Clear Image

C-16 has rotated 90 deg

McMurdo Sound continues to clear

MODIS Visible Image
03/01/06 20:41 GMT

Questions?

