

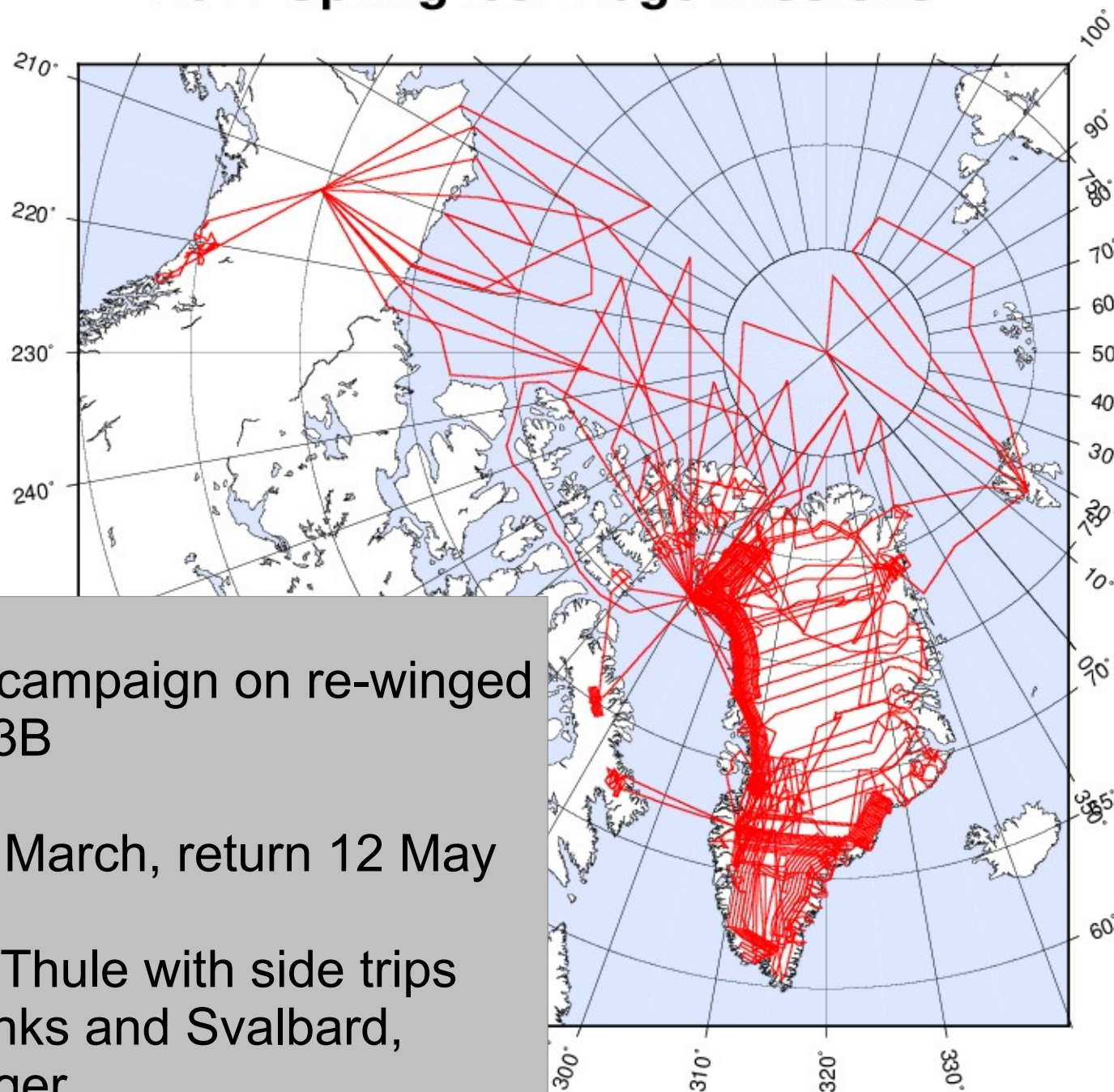
An aerial photograph of a vast, rugged mountain landscape. The foreground is dominated by a large, textured glacier with visible crevasses and ridges. Beyond the glacier, a series of dark, rocky mountain peaks rise, some with patches of snow. In the background, more snow-covered mountain ranges are visible under a clear blue sky. The overall scene is one of a high-altitude, alpine environment.

OIB Spring 2017 Campaign Summary

John Sonntag

OIB Science Team Meeting
NASA GSFC
25 October 2017

2017 Spring IceBridge Missions



10-week campaign on re-winged
NASA P-3B

Deploy 6 March, return 12 May

Based in Thule with side trips
to Fairbanks and Svalbard,
then Kanger

Expected Productivity



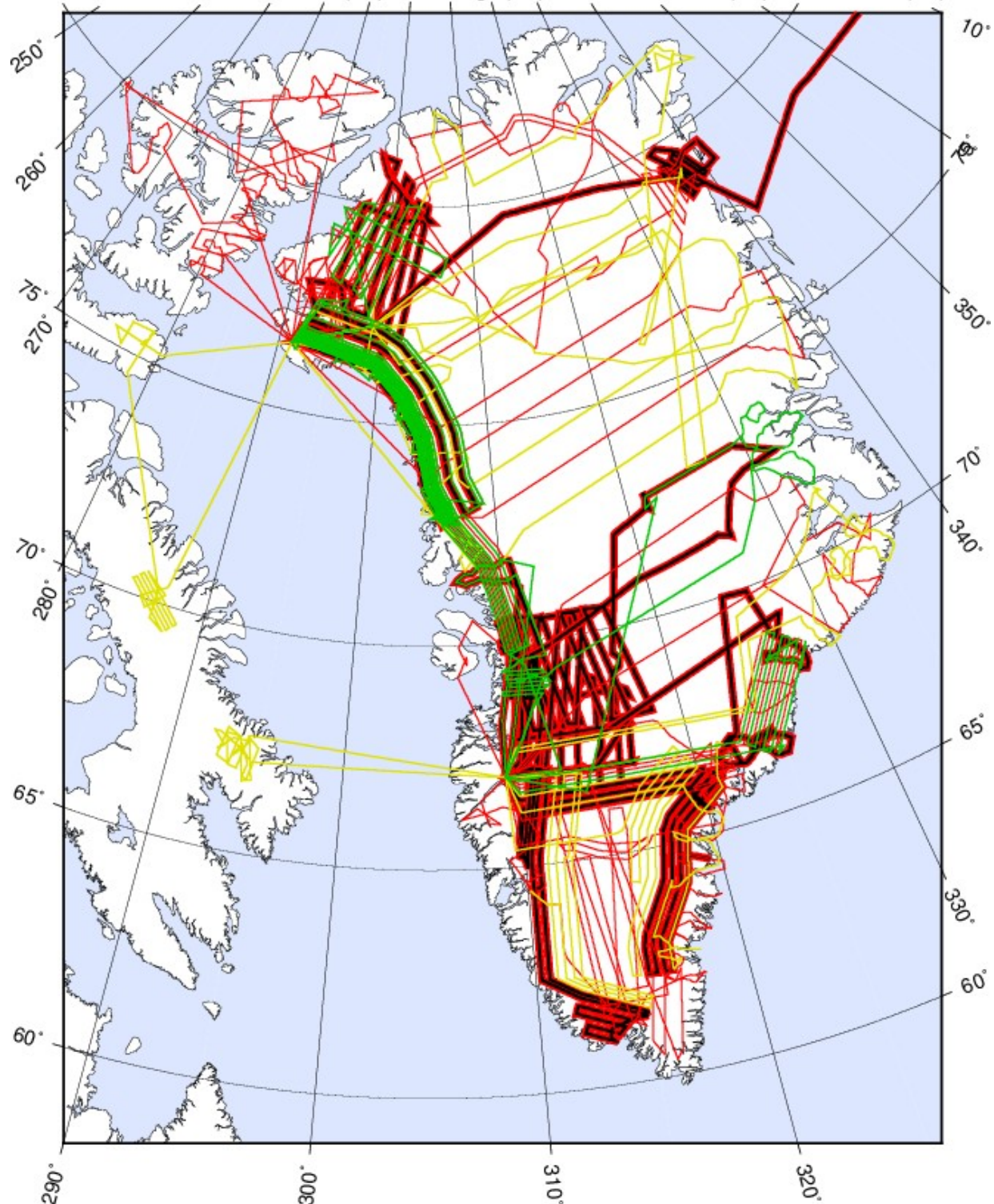
- Arctic 2014
 - NASA P-3B
 - 46 flights in 11 weeks
 - 4.2 flights/week
 - Best ever productivity, benefited from years of aircrew experience with polar ops
- Arctic 2015
 - NASA C-130H
 - 33 flights in 10 weeks
 - 3.3 flights/week
 - Aircraft new to WFF, maintenance and supply chain problems, but experienced with polar ops
- Arctic 2016
 - NOAA WP-3D
 - 16 flights in 5 weeks
 - 3.2 flights/week
 - Maintenance crew not accustomed to polar ops, major maintenance problems (prop leaks)
- With re-winged NASA P-3B, and experienced crew, with usual maintenance and weather problems, seems reasonable to expect to achieve 4 flights/week for 2017 campaign

Schedule Considerations

- Currently 16 sea ice and 47 land ice flight plans (total 63)
- We hope to fly ~40 of them in 10-week campaign
- In Thule, we expect to fly ~13 sea ice flights, and ~12 baseline- and high-priority land ice flights
- For Kangerlussuaq, we expect to fly ~14 baseline- and high-priority land ice flights
- At 4 flights/week, need 6.5 weeks for 25 Thule flights, and 3.5 weeks for 14 Kanger missions
- Transition from Thule to Kangerlussuaq on or about 20 April accomplishes this
- No May return to Thule (new Boxtop schedule)
- Can still adjust schedule based on team's re-prioritizations this week

Prioritized Spring 2017 OIB Flight Lines

Thick Red/Black:Baseline(10) Red:High(16) Yellow:Medium(11) Green:Low(10)



Prioritized Spring IceBridge Sea Ice Missions

Thick Red/Black:Baseline Red:High Yellow:Medium Green:Low

