NASA IceBridge Observations in Support of Tri-Band Altimetry

DUAL-CRYO WORKSHOP ON DUAL-BAND ALTIMETRY OF THE CRYOSPHERE, 13-14 January 2021

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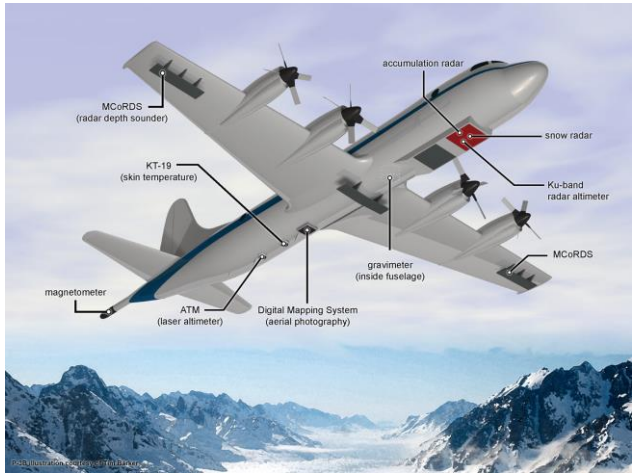


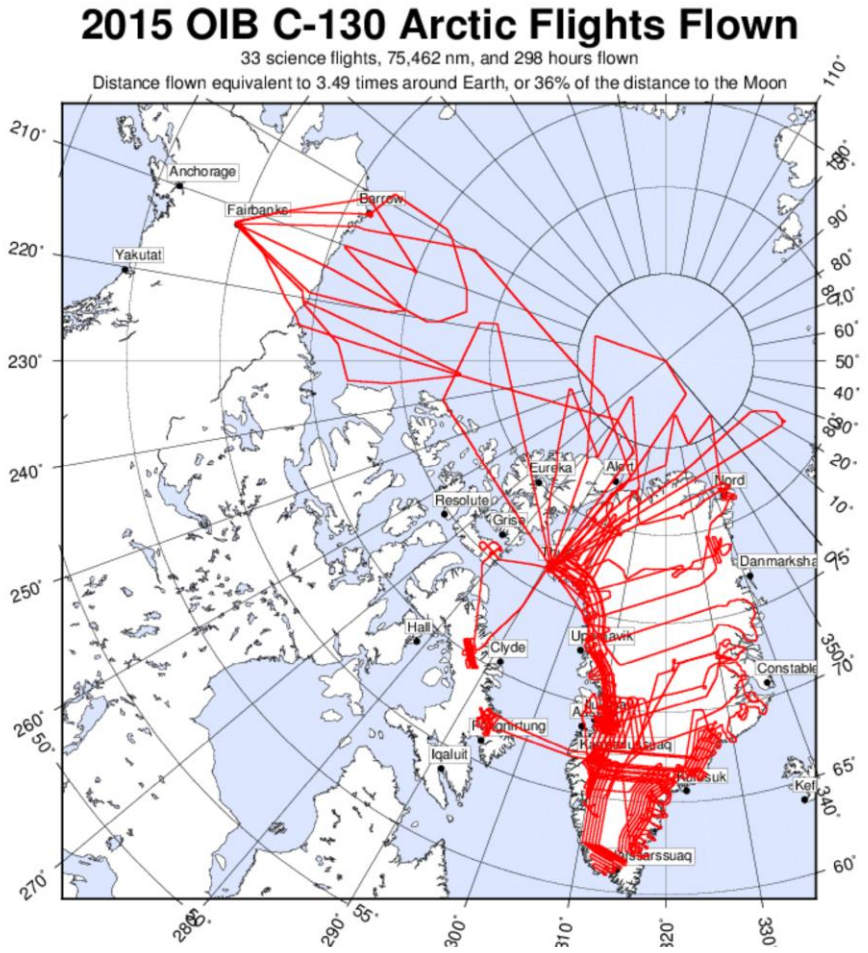
- 23 Land Ice Flights
- 10 Sea Ice Flights
- Overflights of 2 *in-situ* field sites over sea ice
  - U.Manitoba/Stn. Nord field site
  - N-ICE2015 R/V Lance Campaign
- Rösel et al., 2020 TCD: "**Implications of surface flooding on airborne thickness measurements of snow on sea ice",** https://tc.copernicus.org/preprints/tc-2020-168/

Instrumentation	Data Sets/Sea Ice Parameters
Laser altimeters: **ATM** (Wide & Narrow Scan)	Surface Topography, Elevation, Freeboard
Radars: **Snow Radar**, **Ku-band radar**, **Ka-band** radar, MCoRDS	Surface elevation, Snow Depth, Freeboard
Digital Imagery: **DMS**	Sea ice morphology, pressure ridge sail height, melt ponds
Spectrometers, Radiometers: KT-19, FLIR, etc.	Surface temp., albedo, met data
Gravimeter	Airborne gravimetry

Data Access:

https://nsidc.org/data/icebridge/data_summaries.html

https://data.cresis.ku.edu/



2015 Arctic Spring Campaign Information:

https://icebridge.gsfc.nasa.gov/?page_id=1565

https://nsidc.org/data/icebridge/campaign_data_summary.html#ib_arctic_2015