
Preliminary Science Flight Report

Operation IceBridge Arctic 2011



Flight: F11
Mission: Jakobshavn 01 - aborted

Flight Report Summary

Aircraft	P-3B (N426NA)
Flight Number	011
Flight Request	11P006
Date	Tuesday, April 5, 2011 (Z)
Purpose of Flight	Mission Jakobshavn 01
Take off time	10:22 Zulu from Kangerlussuaq (BGSF)
Landing time	12:23 Zulu at Kangerlussuaq (BGSF)
Flight Hours	2.2 hours
Aircraft Status	Airworthy.
Sensor Status	All installed sensors operational.
Significant Issues	Mission was aborted due to fuel leak in engine #3.
Accomplishments	None.
Geographic Keywords	None.
ICESat/CryoSat Track	None.
Repeat Mission	None.

Science Data Report Summary

Instrument	Instrument Operational			Data Volume	Instrument Issues
	Survey Area	Entire Flight	High-alt. Transit		
ATM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
MCoRDS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
Snow Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
Ku-band Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
Accumulation Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
DMS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
POS/AV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
Gravimeter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None
Magnetometer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	None

Mission Report (Michael Studinger, Mission Scientist)

Our plan for today was to fly mission Jakobshavn 01. Shortly after takeoff engine #3 started to leak fuel and we had to shut down the engine and abort the mission. We had to dump fuel and fly for an hour to reduce weight down before landing. We climbed up high to minimize the impact from the fuel dump and started dumping fuel at 11:00 Z for 15 minutes. As a safety precaution we switched off all radar, laser and radio transmissions for the fuel dump. No science data was collected on today's flight.

Individual instrument reports from experimenters on board the aircraft:

ATM: N/A.

MCoRDS: N/A.

Snow and Ku-band radar: N/A.

Accumulation radar: N/A.

Gravimeter: N/A.

Magnetometer: N/A.

DMS: N/A.

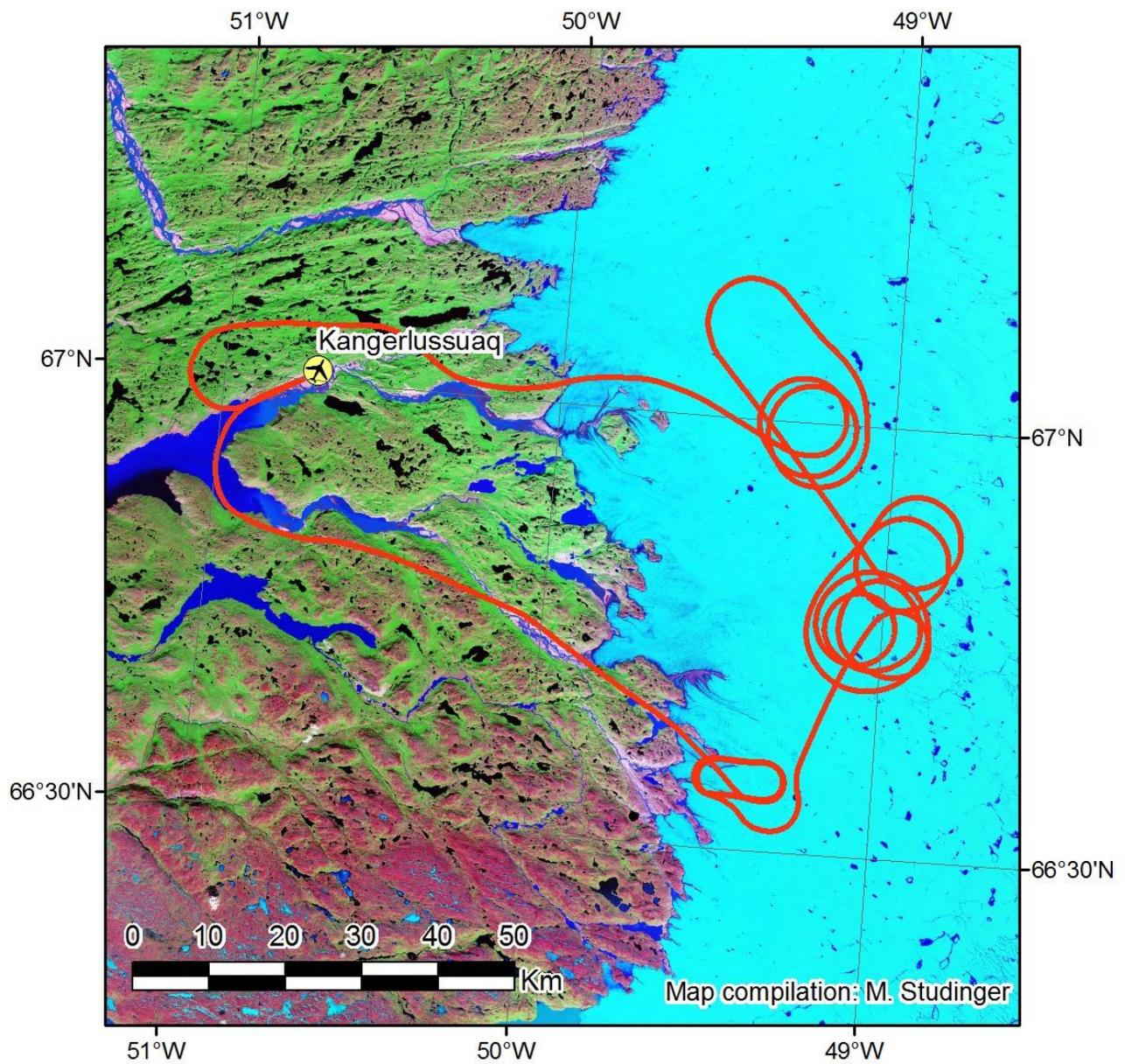


Figure 1: P-3 trajectory of today's aborted flight.