



Flight Report

Operation Ice Bridge May 2012

UAF Alaska Flight No 9
Mission Plan: St. Elias Range

Flight Report Summary

Aircraft	DHC-3 Otter
Flight Number	DHC3-9
Flight Request	12M014
Flight Hours	7.8
Take off time	18:26 Z from Ultima Thule
Landing time	02:14 Z at Ultima Thule
Date	May 24, 2012
Purpose of Flight	LiDAR and DMS surveys of glaciers within the St. Elias Range, Alaska.
Aircraft Status	Airworthy.
Sensor Status	operational.
Significant Issues	none.
Accomplishments	• LiDAR and DMS centerline profiles and Hubbard, Steele, Donjek, Lowell, Kaskwulsh and Seward Glaciers.

Science Data Report Summary

This mission performed LiDAR surveys and DMS mapping of glaciers within the St. Elias Range, Alaska.

Geographic keywords: (St Elias Range, Alaska)

Repeat Mission: yes

Instrument	Instrument Operational		Data Volume	Instrument Issues
	Target area	Entire Flight		
UAF LiDAR	Yes	YES	0.8 GB	None
GPS	Yes	YES	50 MB	None
IMU	Yes	Yes	1 GB	None
DMS	yes	Just over the glaciers	14 GB	None

Mission Log (Chris Larsen)

Weather conditions were good to start with but became cloudy later in the day.

Individual instruments on board the aircraft:

LiDAR: The UAF LiDAR system worked well.

GPS: System worked normally. No problems.

IMU: System worked well. No issues.

DMS: System worked well. No issues.

