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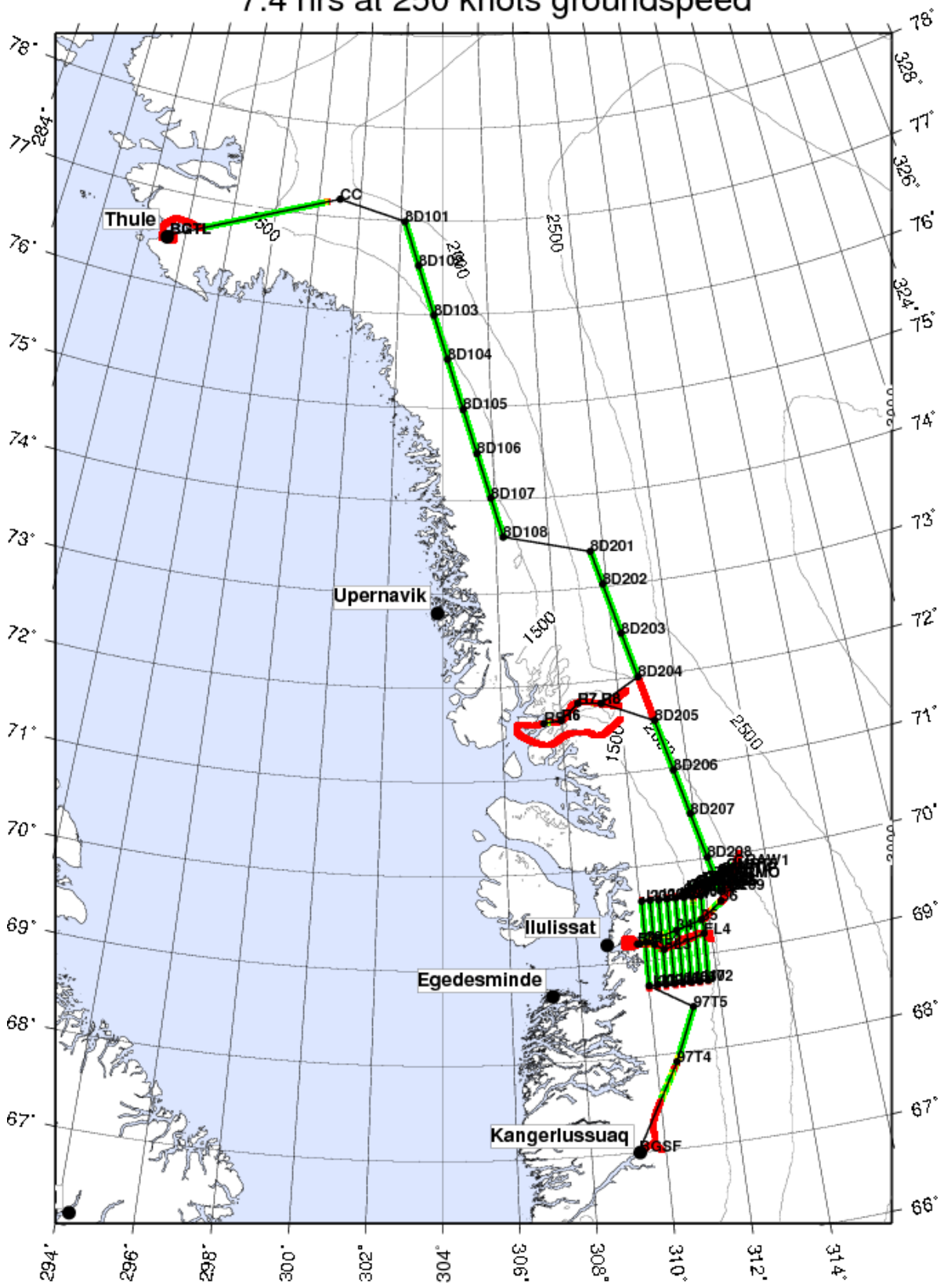
Flight Report

Aircraft :	NASA P-3B
Operating Site(s) From / To :	BGTL / BGSF
Flight Date :	April 27, 2009
Flight Number / Data Flight # :	737 / 16
Time out:	**1024 (Z)**
Time in:	**1752 (Z)**
Flight Time :	7.5
Flt Request # / PI:	FR#9P007/013/014
Purpose of Flight :	**Data [X] Ferry [X] Functional Check [ ] Other [ ]**
Sensor Payload :	Arctic Ice Gap (Operation Ice Bridge) for Sea Ice ICESat orbit tracks. ATM (2), Snow radar, PARIS, LVIS
Comments :	A successful data/transit mission was flown under overcast skies today. All instruments performed well (ATMs PARIS, Snow Accumulation Radar, Cambot). The north-south Jacobshaven grid lines were surveyed. A remarkable change was observed in the calving front of Jacobshaven Glacier. There is no easily defined ice front as there was in June 2008. The present ice front appears to be "shattered" into large bergs, and visibly retreated "upstream" from the June 2008 ice front. The aircraft and all instruments are in an Up status.

SUBMITTED BY: Cate Fairchild 27 April 2009

Thule 05

7.4 hrs at 250 knots groundspeed



Flight	Date	Aircraft Flight #	Data Flight#	Hours flown	Total Hours Remaining
Total Allocated					*184.0*
ECF	3/25/2009	713		0.8	183.2
PCF	3/27/2009	716		3.7	179.5
Transit to Thule	3/30/2009	693		7.6	171.9
Science flight	3/31/2009	718	1	8.1	163.8
Science flight	4/1/2009	719	2	7.7	156.1
Science flight	4/2/2009	720	3	8.2	147.9
Science flight	4/5/2009	721	4	8.7	139.2
Science flight	4/6/2009	722	5	7.7	131.5
Ferry to Maine	4/7/2009	723		6.4 (n/c)	131.5
Prop repair FCF 1	4/10/2009	725		0.4 (n/c)	131.5
Prop repair FCF 2	4/11/2009	726		0.4 (n/c)	131.5
Ferry: Maine to Thule	4/13/2009	724		6.2 (n/c)	131.5
Science flight	4/14/2009	727	6	8.0	123.5
Science flight	4/15/2009	728	7	8.0	115.5
Science flight	4/16/2009	729	8	7.5	108.0
Science flight	4/17/2009	730	9	7.7	100.3
Science flight	4/20/2009	731	10	9.3	91.0
Science flight	4/21/2009	732	11	7.7	83.3
Science flight	4/22/2009	733	12	8.0	75.3
Science flight	4/23/2009	734	13	7.9	67.4
Science flight	4/24/2009	735	14	7.8	59.6
Science flight	4/25/2009	736	15	6.7	52.9
Science flight	4/27/2009	737	16	7.5	45.4
*Return Transit**	*TBD*			*8.0*	*37.4*
*Post-mission calibration**	*TBD*			*2.0*	*35.4*

* Time for return transit and post-mission flight are estimates only