

AGAP-S

C-FSJB

December 2008/January 2009

OPERATOR FLIGHT LOG

Flight Number	06
Date (ZULU)	Dec. 26, 2008
Pilot/Co-Pilot	Lexi/Rory
Operator(s)	Beth
Line Numbers	L480 + L530 (L490 + L540 on AGIS)

Start GPS and magnetic base stations at least 30 mins before takeoff. Start recording with aircraft GPS receivers at least 30 mins before takeoff.

Event	GPS Time	Comments
GPS SJB-1	07:32	Start recording. CF Card: 1 Job name: C-FSJB1-F06
		Battery charge: A: 100 % B: 100 % External: 73 %
		Available memory: 501386 KB.
		No Sat tracked: // L1: // L2: //
GPS SJB-2	07:33	Start recording. CF Card: 2 Job name: C-FSJB2-F06
		Battery charge: A: 100 % B: 100 % External: 73 %
		Available memory: 502474 KB.
		No Sat tracked: // L1: // L2: //

Operator Flight Log | F 06

AGIS on	08:04:40	Start recording. Project name: B8122608.P04
	08:07	Engines on
	08:18	Taxi
	08:22	Takeoff
Laser on	07:39	Start recording. Project name: F06
Radar on	07:45	Start recording. Filename(s): Flight. 20081225204330.0000.raw
Event	GPS Time	Comments
	08:09	switched to aircraft power
	08:13	2nd engine on
	08:15	tried to taxi - to stuck - rehammered skis
	08:23	Tx on (radar) + grab batt to charge
	08:26	fuel tanks on
	08:29	scanner temp: -7.5°C / outside: -20°C / racks: 13°C
	08:32	WP 2 - SOL L490 (on AGIS) (actually L480)
	~08:35	WP 3 - SOL L490
	~08:38	the mtns started also → ~ 08:07 (lrg valley)
	08:48	O ₂ on
	08:51	another set of mtns
	09:04	O ₂ off
	09:08	massive mtn (photo)

~(08:40)



Event	GPS Time	Comments
	~08:16	strong off-line reflector of mtn top on radar
	08:20	mtns becoming shallower (2-2.2 km deep) / strong mtn features in ice - faults (photo)
	08:22/10:55	O ₂ on/off
	~08:24	mag displays all shifted left by ~10 nT (display issue?)
	starting e ~08:40 → 8:43	lower mtn reflectivity + shallow ice (deep ice: 3 km)
	~10:00	strong mtns in radar return - 1 st start of valleys + massive mtns (photo)
	10:06	scanner temp: -6.9°C / outside: -22.6°C / racks: 18°C
	~10:18	approaching mtn range that is ~2 km deep (large basin just before) (v. jagged)
	10:32	WP 4 - EDL
	10:33:23	WP 5 - EOT L490 (in AGIS)
	10:	WP 6 - SOT L540 (in AGIS) actually L530
	10:41	WP 7 - SOL L540
	10:43	mtns getting deeper (~2.7 km)
	10:54	nice mtns + valleys (steep) (photo)
	10:57	observe no spottiness due to condensation on laser data thru thru flight but edges v. uneven
	~11:08-11:16	lower radar reflectivity
	11:14 11:15	scanner temp: +3.2°C / outside: -22.5°C / racks: 19.5°C
	11:21	>3 km thick ice
	11:39	high mag anomalies + v. rugged terrain in radar (photo)
	~11:47	large, square basin in radar (photo)

radar: 48 sec. files / waterfall plot: 10 mins of data shown

11:30:15

[illegible]

RA MAG:

~~12.11.24~~

12:20:20

12:28:55

⇒ ~ 8.5 mins on screen

C-FSJB

AGAP-S

MISSION PROFILE: AGAP_LineDS3

FLIGHT 06

OPERATOR

NR	LATITUDE (DM)	LONGITUDE (DM)	LINE	TYPE	X-LINE	DIST (nm)	COMMENT
1*	84° 29.40' S	77° 21.18' E		AGAP-S		20.3	TRANSIT TO NEXT WAYPT
2*	84° 17.32' S	74° 36.22' E	L480.1	SOT		2.7	
3	84° 14.65' S	74° 38.70' E	L480.1	SOL	T10090	273.5	
4	79° 43.15' S	76° 59.06' E	L480.1	EOL	T10240	2.7	
5*	79° 40.47' S	76° 59.84' E	L480.1	EOT		13.5	TRANSIT TO NEXT WAYPT
6*	79° 41.02' S	78° 14.84' E	L530.1	SOT		2.7	
7	79° 43.71' S	78° 14.39' E	L530.1	SOL	T10240	273.5	
8	84° 15.62' S	76° 52.22' E	L530.1	EOL	T10090	2.7	
9*	84° 18.30' S	76° 50.77' E	L530.1	EOT		11.6	TRANSIT TO NEXT WAYPT
10*	84° 29.40' S	77° 21.18' E		AGAP-S		0.0	

TOTAL DISTANCE (nm): 603.1

TOTAL DISTANCE (km): 1116.9

* = waypoint relevant for aircraft navigation.

Lead-in distance (km): 5

Flight plan created on 12/25/2008 14:25

480 → 490

530 → 540

1750 1800 1850 1900 1950 2000 2050 2100 2150

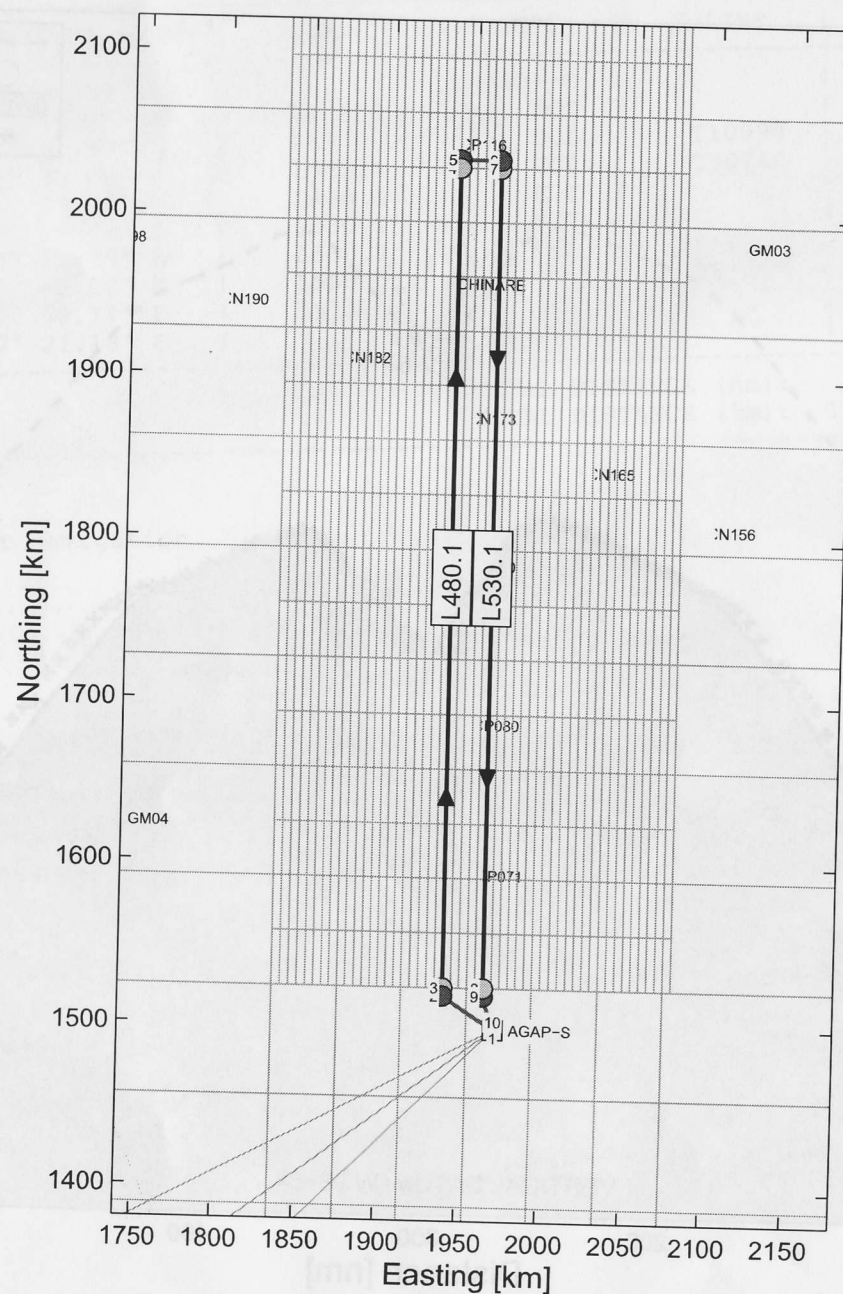
Easting (nm)

MISSION PROFILE: AGAP_LineDS3

FLIGHT 06

TOTAL DISTANCE: 603.1 nm

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FLIGHT 06

MAX ALT: 14800 ft

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