

AGAP-S

C-FSJB

December 2008/January 2009

# OPERATOR FLIGHT LOG


Flight Number	FLIGHT 07.
Date (ZULU)	12/26/08.
Pilot/Co-Pilot	BRIAN / REBECCA.
Operator(s)	NIC FREARSON.
Line Numbers	F07 - 320 → 300 [ACTUAL 330 - 310]

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	19:28	Start recording. CF Card: Job name: C-FSJB1-f07.
		Battery charge: A: 100 % B: 100 % External: 73 %
		Available memory: 406266 KB.
		No Sat tracked: L1: 12 L2: 12.
GPS SJB-2	19:30.	Start recording. CF Card: Job name: C-FSJB2-f07.
		Battery charge: A: 100 % B: 100 % External: 73 %
		Available memory: 407866 KB.
		No Sat tracked: L1: 12 L2: 12.

# Operator Flight Log | FO7

AGIS on	20:24	Start recording. Project name: B8122620.P24.
	20:30	Engines on
	20:35	Taxi
	20:45	Takeoff - No Beer light!
Laser on	20:26	Start recording. Project name: FLIGHT07.
Radar on	20:27	Start recording. Filename(s): FLIGHT07
RADAR ON	20:48	Filename: 025.
<b>Event</b>	<b>GPS Time</b>	<b>Comments</b>
	20:48	Cruise altitude & power reached.
	20:50	Larger Scanner starts off with dropouts on the left hand side but these cleared within 5 minutes of takeoff.
	20:50	Transit to start of tie line
	21:15	Ice is close to 4km thick. <del>File</del> Radar file 060. radar signal ~ 15dB
	21:20	Outside air temp = -26°C Altitude 12500. 15 knots on the tail @ 330°.
	21:31	Cross WP2 - Line up with WP3 on TL10050 WP2 intersects the 3rd Survey line in from the edge of the grid. (SL760)
	22:07	Mag showing long wavelength changes of several hundred nT's
	22:13	Reached the peak of the long wavelength mag anomaly. AGIS count 6550
4km deep basin.	22:30	the ice is approaching 4km thick. Radar files 0152 → one words. Signal strength about 20dB off the bed.
	22:43	bed rises up to ~3km over a mountain. Radar file 0169.
	22:55	lake. Radar file 184-185. Small.
	22:55	WP4

Event	GPS Time	Comments
	22:56	WP5 → turn West towards WP6.
	23:02	3 Lakes on mountain ridge Radar file 193
	23:15	Waypoint 6: Tie Line 10070.
	23:16	WP7
	23:19	<del>Large</del> Lake >1Km across. Radar file 214
	23:33	Ice depth going from 3km → 4km. Radar file 233
	23:42	Small lakes ~1-2km across seem to sit under places where the ice changes direction (see attached notes)
	00:05	Passed over Mesa at 3km depth. Radar file 270.
	00:12	Narrow tall structure above bed, marking the bed beneath. → several hundred metres
		Bed  bed marked by object
	00:52:00	<del>WP8</del> Crossing edge of AGIS SL Grid (SL 750).
	00:53	WP8 - SL Grid ( <del>0.2</del> <sup>2nd</sup> in from edge) = SL 770
	00:54	WP9 - SL Grid ( <del>0.2</del> <sup>3rd</sup> in from edge of grid) SL 760
	01:22	Cabin temp = 26.6°C Outside temp = -25°C.
	01:57	on the ground at ARAP.
	01:59	Laser off / Parked at fuel bay.
	02:00	Radar off. 415 files
	02:01	AGIS off. B 8122701. P54
		<sup>free</sup> SJB2 Memory after the flight. 281546KB.
		SJB1 free Memory after the flight: 279402KB.

C-FSJB

AGAP-S

MISSION PROFILE: AGAP\_TieVRI

FLIGHT 07

TL10050

NR	LATITUDE (DM)	LONGITUDE (DM)	LINE	TYPE	X-LINE	DIST (nm)	COMMENT
1*	84° 29.40' S	77° 21.18' E		AGAP-S		103.0	TRANSIT TO NEXT WAYPT
2*	83° 01.74' S	85° 32.47' E	T10130.2	SOT		2.7	
3	83° 01.48' S	85° 54.48' E	T10130.2	SOL	L760	199.9	
4	81° 59.23' S	110° 16.69' E	T10130.2	EOL	OL	2.7	
5*	81° 57.89' S	110° 33.38' E	T10130.2	EOT		36.5	TRANSIT TO NEXT WAYPT
6*	81° 26.16' S	108° 31.07' E	T10150.2	SOT		2.7	
7	81° 27.42' S	108° 15.10' E	T10150.2	SOL	OL	199.9	
8	82° 25.37' S	85° 26.58' E	T10150.2	EOL	L760	2.7	
9*	82° 25.62' S	85° 06.27' E	T10150.2	EOT		135.1	TRANSIT TO NEXT WAYPT
10*	84° 29.40' S	77° 21.18' E		AGAP-S		0.0	

TOTAL DISTANCE (nm): 685.1  
TOTAL DISTANCE (km): 1268.8

TL10070

\* = waypoint relevant for aircraft navigation.

Lead-in distance (km): 5

Flight plan created on 12/26/2008 14:34

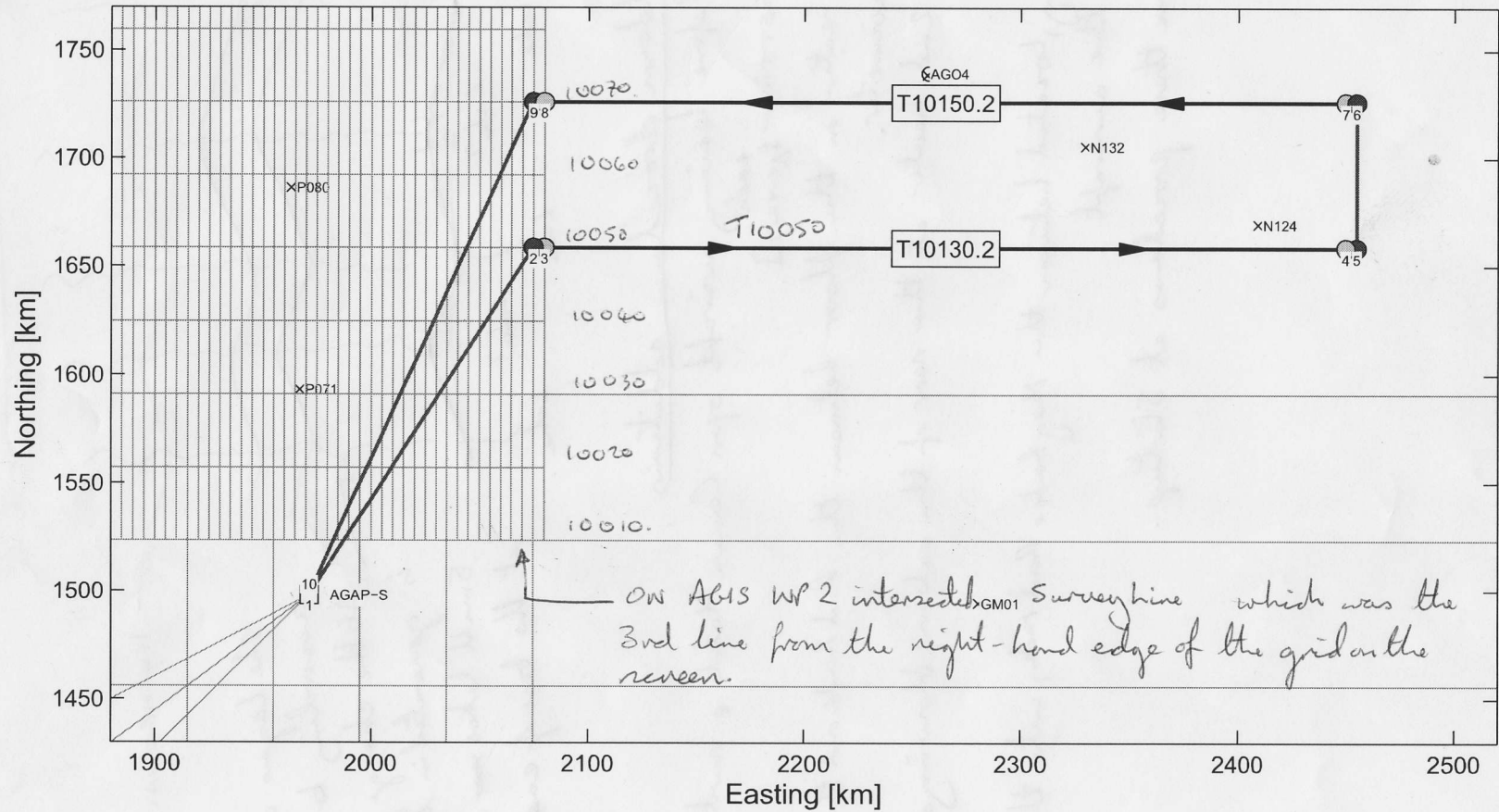
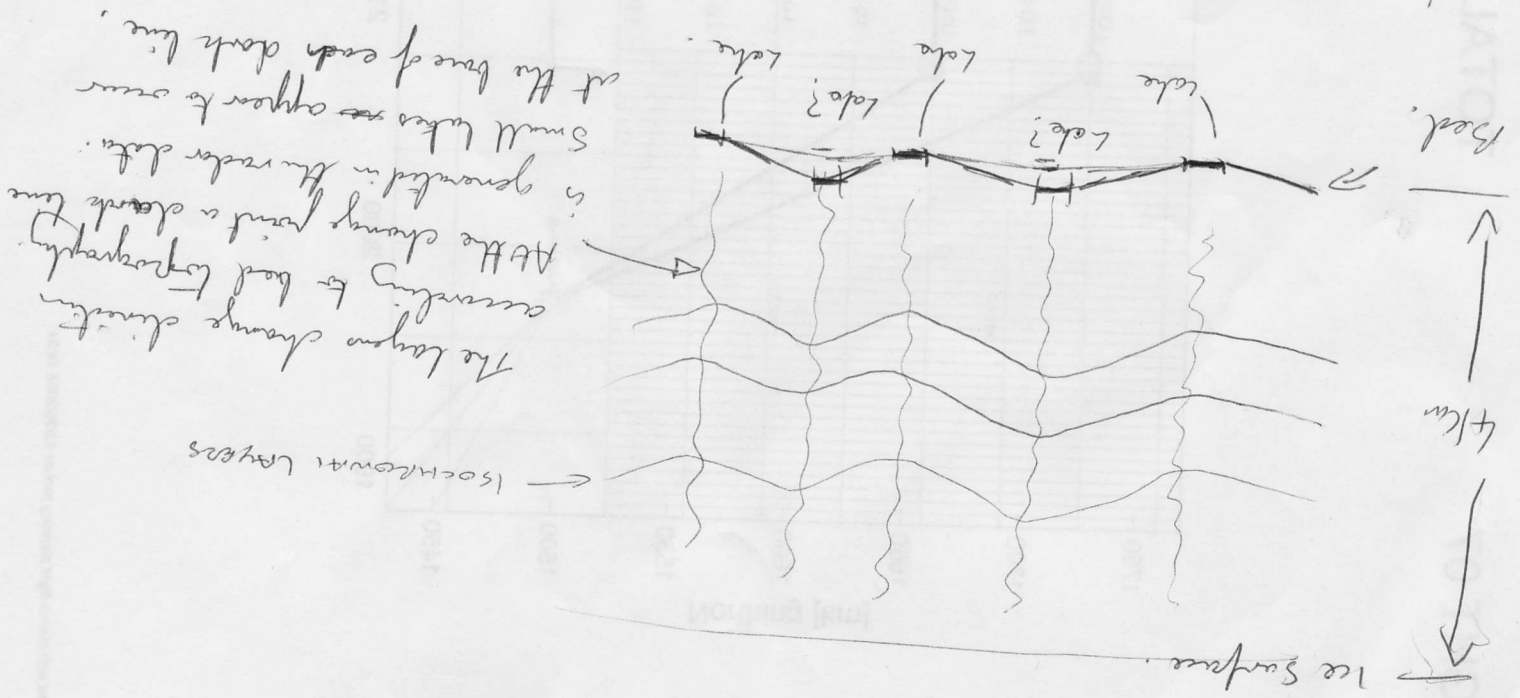


Image at 23:45. Radar image 240-250.



⇒ Note: reverse these procedures at Startup.

- Put the <sup>green</sup> Camera Hatch, located between the Maybach and Red Rock, into the log room not beneath the aircraft.
  - Point the 2nd heater at the rear of the cabin, blowing air across the Camera Hatch.
  - Point the 1st heater on the floor between the Red Rock and the Maybach pointing towards the Greasometer.
  - Point the heater on the floor [To Settings Tray].
  - Add - before leaving each aircraft open Camera Hatch & match on two yellow
- ~~Shutdown procedure addition~~

