



AGAP-S

C-FSJB

December 2008/January 2009

OPERATOR FLIGHT LOG

Flight Number	F01
Date (ZULU)	Dec 22, 2008
Pilot/Co-Pilot	Lexi, Rory
Operator(s)	Michael, Nick
Line Numbers	U430 South Pole - AGAP-S

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	02:10:55	Start recording. CF Card: ✓ Job name:
		Battery charge: A: % B: % External: %
		Available memory: KB.
		No Sat tracked: L1: L2:
GPS SJB-2	02:10:54	Start recording. CF Card: Z Job name:
		Battery charge: A: % B: % External: %
		Available memory: KB.
		No Sat tracked: L1: L2:

Operator Flight Log | F 01

AGIS on	02:15ish	Start recording. Project name: AGAP-F01
	02:10	Engines on 02:
	02:10	Taxi refueling
	02:46	Takeoff unstuck (baer light off 5:5) take off 02:52 take off
Laser on	02:20	Start recording. Project name: AGAP-F02
Radar on	02:56	Start recording. Filename(s):
	Radar	tax on
Event	GPS Time	Comments
	02:58	temperature scanner +5.8°C
		900 lbs fuel (on paper...)
	03:20	tip tanks are on
	03:25	6000 ft AGL still had reflection
	03:29	5 miles from WP#2
	03:29	laser is producing OGB data files
	03:33	at WP2 start descent
		Rolling in Corral
	03:37	aircraft GPS shows 2 miles left of track
		flying right on track
	03:38	laser produces data again
	03:40	temperature camera hat 9 -14.3°C speed during descent = 170 kts
	03:41	radar altimeter is alive

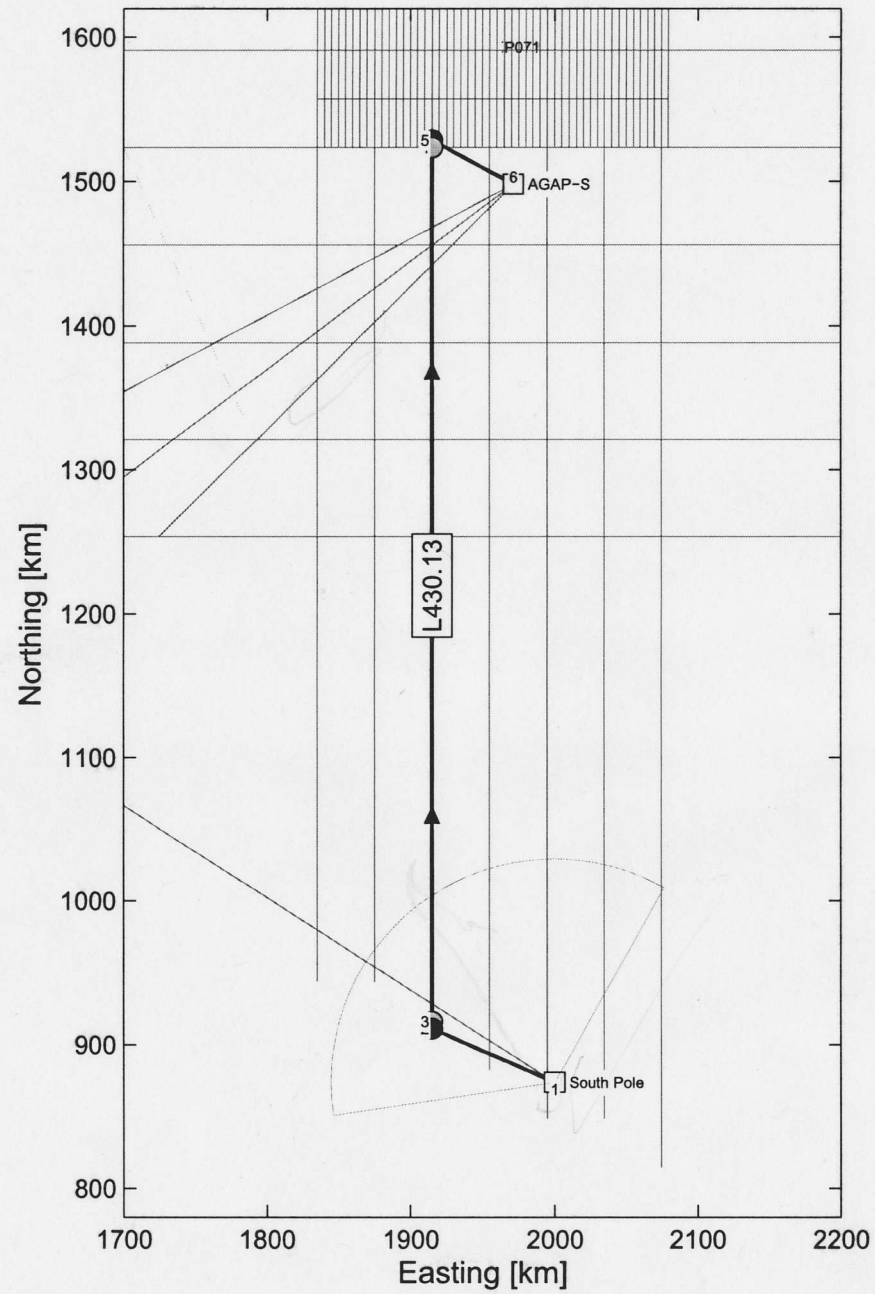
Event	GPS Time	Comments
	03:43	laser display is back
	03:44	1000 ft AGL
	03:51	tip tanks off
	04:01	1200 ft rad alt AGL
	04:09	Rory in control
	04:32	traverse tracks in the snow 
	04:34	incoming Indian phone call
	04:44	outside temperature aircraft -28°C
	04:56	HF transmission
	05:02	laser has drop outs on left side map
		always consistent $\Rightarrow$ check scanner lens
	05:31	Indian call to Pole for WX
	NOTE:	there is a 1sec delay on all
		PC displayed NMEA times, AGIS (28°C)
		laser (1s) and radar compared to
		the Leica displays
	06:04	WPS EOT turn
	= 13800 ft	way point has matched w/ aircraft GPS
		and AGIS shows

[illegible]

FLIGHT 01

TOTAL DISTANCE: 412.4 nm

C-FSJB



C-FSJB

South Pole

MISSION PROFILE: AGAP_LineSP3

FLIGHT 01

NR	LATITUDE (DM)	LONGITUDE (DM)	LINE	TYPE	X-LINE	DIST (nm)	COMMENT
1*	89° 60.00' S	80° 00.00' E		S Pole		48.0	TRANSIT TO NEXT WAYPT
2*	89° 12.26' S	12° 39.35' E	L430.13	SOT		2.6	
3	89° 11.15' S	15° 27.80' E	L430.13	SOL	OL	324.5	
4	84° 13.16' S	72° 26.11' E	L430.13	EOL	T10090	2.7	
5*	84° 10.50' S	72° 29.54' E	L430.13	EOT		34.6	TRANSIT TO NEXT WAYPT
6*	84° 29.40' S	77° 21.18' E		AGAP-S		0.0	
TOTAL DISTANCE (nm):						412.4	
TOTAL DISTANCE (km):						763.7	

* = waypoint relevant for aircraft navigation.

Lead-in distance (km): 5

Flight plan created on 12/21/2008 22:23