



AGAP-S

C-FSJB

December 2008/January 2009

OPERATOR FLIGHT LOG

Flight Number	02
Date (ZULU)	Dec. 22, 2008
Pilot/Co-Pilot	Lexi / Rory
Operator(s)	Bith Burton / Stefan Elieff
Line Numbers	590

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

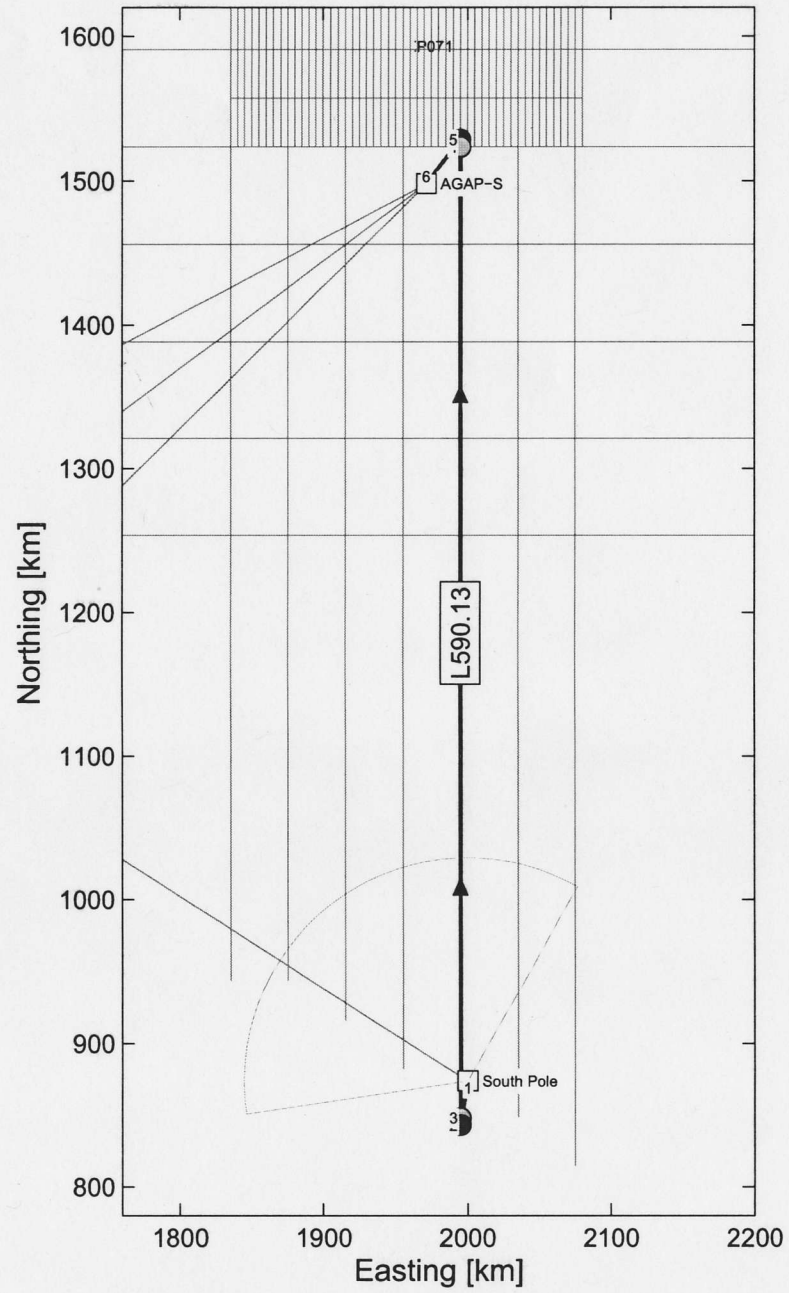
Event	GPS Time	Comments
GPS SJB-1	10:08	Start recording. CF Card: Job name: C-FSJB1-F02
		Battery charge: A: 100 % B: 100 % External: 73 %
		Available memory: 875930 KB.
		No Sat tracked: 10 L1: 10 L2: 10
GPS SJB-2	10:05	Start recording. CF Card: Job name: C-FSJB2-F02
(still on from F01)		Battery charge: A: 5 % B: 5 % External: 73 %
		Available memory: 877322 KB.
		No Sat tracked: 10 L1: 10 L2: 10

Operator Flight Log | F02

AGIS on	10:27	Start recording. Project name: A6AP-F02
	Always On	Engines on
	10:31	Taxi
	10:35	Takeoff
Laser on	Too cold to start while on ground	Start recording. Project name: Flight 02b 20081221235612.0000.raw
Radar on	10:58 10:45	Start recording. Filename(s): 20081221233030.0003.raw 20081221234722
	(Tx on)	↳ couple fake starts
Event	GPS Time	Comments
NOTE: flying c 6000 ft AGL over 150 km radius clear air sector - will drop down to 1000 ft AGL once beyond		
	10:37	AGIS start record B8122210.P37 (airborne)
	10:46	turning onto L590
	10:34	tip tanks turned on
	10:51	Laser computer going haywire - rebooted
	10:58	scanner temp = -5.6°C ↳ still haywire on reboot
	11:02	Outside temp: -28.4°C
	11:20	RISCANLAB reports: ERROR: LOW-TEMP (-6.5°C)
	11:20	descending to 1000 ft
		had to unplug P1 on GPS, reboot laser computer
		plug in P1 again, + get error when went to sync tab
	11:22	scanner temp: -17.5°C

Operator Flight Log | F02

Event	GPS Time	Comments
	~11:30	reached 1000 ft AGL on L590
	11:32	scanner temp: -9.6°C + incr.
	11:40	able to sync GPS + laser but won't record
		file > 210 kbytes (-8.1°C)
	11:45 11:47	Laser on - <u>Flight 02b</u>
		↳ reset switch - OFF → ON + restarted sync → finally worked
	11:53	scanner temp: -6.7°C
	12:42	flying into some clouds - not dense
	12:44	out of clouds
	12:44	scanner temp: -4.4°C; outside: -22.8°C top radios: 27°C
	13:09	scanner temp: -3.1°C; outside: -21.9°C; top of radios: 28°C
	13:27	WP 5 - turn toward WP 6 (AGAP-5)
	13:32	Tx (radar) off
	13:38	landing → taxi
		taxi
	13:41	park



C-FSJB

South Pole

MISSION PROFILE: AGAP_LineSP5

FLIGHT 02

NR	LATITUDE (DM)	LONGITUDE (DM)	LINE	TYPE	X-LINE	DIST (nm)	COMMENT
1*	89° 60.00' S	80° 00.00' E		S Pole		15.9	TRANSIT TO NEXT WAYPT
2*	89° 44.22' S	93° 19.58' W	L590.13	SOT		2.6	
3	89° 46.74' S	91° 33.04' W	L590.13	SOL	OL	358.8	
4	84° 16.12' S	79° 33.15' E	L590.13	EOL	T10090	2.7	
5*	84° 13.44' S	79° 33.35' E	L590.13	EOT		20.7	TRANSIT TO NEXT WAYPT
6*	84° 29.40' S	77° 21.18' E		AGAP-S		0.0	
						TOTAL DISTANCE (nm):	400.6
						TOTAL DISTANCE (km):	742.0

* = waypoint relevant for aircraft navigation.

Lead-in distance (km): 5

Flight plan created on 12/21/2008 22:25