



AGAP-S

C-FSJB

December 2008/January 2009

OPERATOR FLIGHT LOG

Flight Number	09
Date (ZULU)	Dec. 28, 2008
Pilot/Co-Pilot	Lexi/Rory
Operator(s)	Beth
Line Numbers	L460 + L440

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	13:14	Start recording. CF Card: 1 Job name: SJB1-AGAP SJB1-AGAPS-F09
* NOTE: [switched out memory cards for both rovers b/t flights 08+09 b/c only ~18MB left on each card after F08]		Battery charge: A: 100 % B: 100 % External: 75 %
		Available memory: 600890 KB.
		No Sat tracked: // L1: // L2: //
GPS SJB-2	13:15	Start recording. CF Card: 2 Job name: SJB2-F09 SJB2-AGAPS-F09
		Battery charge: A: 100 % B: 100 % External: 73 %
		Available memory: 480666 KB.
		No Sat tracked: // L1: // L2: //

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AGIS on	13:33	Start recording. Project name: B8122813, P33
left on from	F08 (hot refuel)	Engines on
	13:39	Taxi
	13:42	Takeoff
Laser on	not started 13:42 until after takeoff	Start recording. Project name: F09001.2dd (13:48) - kept getting error messages on Okb file while on ground
Radar on	13:21	Start recording. Filename(s): Flight.20081228020054.00000.raw
Event	GPS Time	Comments
	13:44	Tx (radar on)
	13:44	fuel tips on
	13:48	radar on (looks very crappy - lots of condensation?)
	13:54 13:54	WP 2 - SOL L460
	13:55	WP 3 (a bit wobbly b/t WP 2+3) SOL - L460
	13:56	scanner temp: 8.3°C / outside: -25.5°C / racks: 16.5°C
	13:58	grav batt to 'charging'
	14:15	shallow, massive mtns (~1.8km deep & highest pt) (photo)
NOTE: AGIS	time is -1 sec	from GPS time (possibly -1.5 sec)
	~ 14:17-14:21	large, slanted valley b/t mtns
	14:22- 14:27	into some light clouds - laser OK - a bit patchy
	14:29	light clouds again - still see ground pretty clearly
	14:33 17:41	O ₂ on/off

Event	GPS Time	Comments
	14:35	lakes? w/ off line reflectors? (photo)
	14:40	thicker clouds
	~14:41	~50 nT jump (-50) on both sensors
	14:45-14:52	clouds getting thicker - laser getting pretty spotty (files F09004+005)
	~14:45	2 lakes - v. deep (2nd one > 3.5 km?) (photo)
	~14:51	lower radar reflectivity @ bed
	15:00	more lakes
	15:02	laser - both sides spotty
	15:03	scanner temp: 6.6°C / outside: -28.8°C / racks: 23°C
	15:06	lake
	15:18	several lakes + v. rugged (spiky) mtns after (photo) w/ ~100 nT mag incr.
	~15:32	large, rugged, shallow mtn (ice sfc v. rough in this area)
	15:39	steep valleys + rugged mtns (photo) (v. rough sfc here)
	15:45	WP 4 - EOL L460
	15:46:26	WP 5 - EOL L460 → turn toward WP 6
	15:49	WP 6 - SOL L440
	15:51	WP 7 - SOL L440 (not really online yet) (@ 15:57:55 got online)
	16:02	v. rugged, steeply peaked mtns (photo) (~1.8 km deep)
	16:14	scanner temp: 6.6°C / outside: -28.5°C / racks: 25°C
	16:19	v. obvious Δ in ice shade (turned gray w/ fingers) (photo)

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Event	GPS Time	Comments
	16:23	ice sfc much less rough
	16:24	Laser data only spotty on LHS (has been for awhile but don't remember when)
	16:50	going thru clouds - laser affected a bit (F09013) 1st noticed - rel. sparse
	16:55 - 16:57	thru thicker clouds
	16:59-17:02	rel. flat sfc in radar (valley)
	17:06	strong off-line radar reflectors (photo)
	17:44	laser - spottiness on LHS minimal
	17:49	WP 8 - EDL L440
	17:50:29	WP 8 - EDT L440
	17:51	grav batt to 'backup'
	18:03	radar Tx off (c 500 ft AGL)
	18:05	landing
	18:08	park c fueling str
	18:09	laser off
	18:09	radar acq. off
	18:11	AGIS off
	18:30	GPS receivers off (before moved to parking spot)