NORTHROP GRUMMAN

Northrop Grumman Corporation
Advanced GEOINT Solutions
1120 Echo Ct., Peachtree City, Ga. 30269

LIDAR Flight Log

Date	Pilot	Operator	Sensor
5/6/2012	Floyd	Cavender	ALTM203

Aircraft	PROJECT #	B1M958AW7
22PB	DESCRIPTION	USGS Seneca
Sled Drive B	LOCATION	Rochester NY
	NAV FILE	*Seneca_v3.pln*

Lever Arm

	x	y	z
GPS (m)	-0.082	-0.18	-1.377

GPS Information	
Base 1	AIRBORNE

IMU Information	
Start Time	13:30:13
Stop Time	17:43:30

AGC
Auto

Meteorological Conditions

Airport	Elevation	Temp		Pressure

GPS Base Station Information

	File Name		Ant Hgt	Ant Type
Base 1	AIR1270.pdc			
Base 2				
Base 3				

ALTM MISSION LOG
VERSION 2
OCT 8,2010
DANIEL BURKE

Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Muti Pulse (Y,N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed (Kts)		Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments
											0.00								
	15601	319	14:21:18	14:22:59	0:01:41	19	25.0	50	ON	N	2,691.38	8830	127 kts	146 mph	2.12		2.34	Cavender	GOOD AOI F
	15501	139	14:30:28	14:33:28	0:03:00	19	25.0	50	ON	N	2,680.11	8793	*147 kts*	169 mph	7.35		2.38	Cavender	GOOD AOI F
	15401	319	14:37:50	14:43:24	0:05:34	19	25.0	50	ON	N	2,676.75	8782	123 kts	142 mph	10.25		2.36	Cavender	GOOD AOI F
	15301	139	14:46:29	14:51:49	0:05:19	19	25.0	50	ON	N	2,690.77	8828	148 kts	170 mph	12.33		2.19	Cavender	GOOD AOI F
	15201	319	14:55:34	15:01:07	0:05:33	19	25.0	50	ON	N	2,692.30	8833	138 kts	159 mph	11.50		2.12	Cavender	GOOD AOI F
	15101	139	15:04:15	15:09:36	0:05:21	19	25.0	50	ON	N	2,716.68	8913	145 kts	167 mph	12.08		1.73	Cavender	GOOD AOI F
	15001	319	15:13:19	15:18:41	0:05:22	19	25.0	50	ON	N	2,657.25	8718	132 kts	152 mph	11.00		1.3	Cavender	GOOD AOI F
	14901	139	15:23:15	15:24:57	0:01:42	19	25.0	50	ON	N	2,615.79	8582	145 kts	167 mph	2.42		1.52	Cavender	GOOD AOI F
	14801	319	15:28:52	15:34:04	0:05:12	19	25.0	50	ON	N	2,741.37	8994	138 kts	159 mph	11.50		1.56	Cavender	GOOD AOI E
	14701	139	15:37:20	15:42:29	0:05:08	19	25.0	50	ON	N	2,737.10	8980	144 kts	166 mph	9.60		1.53	Cavender	GOOD AOI E
	14601	319	15:46:12	15:51:05	0:04:54	19	25.0	50	ON	N	2,661.82	8733	140 kts	161 mph	9.33		1.68	Cavender	GOOD AOI E
	14501	139	15:54:42	15:59:01	0:04:19	19	25.0	50	ON	N	2,588.06	8491	145 kts	167 mph	2.42		1.72	Cavender	GOOD AOI E
	14401	319	16:02:53	16:04:34	0:01:41	19	25.0	50	ON	N	2,541.42	8338	143 kts	165 mph	#VALUE!		1.71	Cavender	GOOD AOI E
											0.00								
	16501	270	16:21:10	16:25:30	0:04:20	19	25.0	50	ON	N	2,417.98	7933	144 kts	166 mph	9.60		1.75	Cavender	GOOD AOI D
	16401	90	16:29:03	16:33:44	0:04:41	19	25.0	50	ON	N	2,419.20	7937	131 kts	151 mph	8.73		1.69	Cavender	GOOD AOI D
	16301	270	16:36:27	16:40:55	0:04:28	19	25.0	50	ON	N	2,420.11	7940	146 kts	168 mph	9.73		1.6	Cavender	GOOD AOI D
	16201	90	16:43:58	16:48:19	0:04:22	19	25.0	50	ON	N	2,421.33	7944	144 kts	166 mph	9.60		1.58	Cavender	GOOD AOI D
	16101	270	16:50:57	16:55:30	0:04:32	19	25.0	50	ON	N	2,417.06	7930	140 kts	161 mph	9.33		2.57	Cavender	GOOD AOI D
	16001	90	16:58:07	17:02:34	0:04:27	19	25.0	50	ON	N	2,426.82	7962	141 kts	162 mph	9.40		2.52	Cavender	GOOD AOI D
	15901	270	17:05:19	17:09:45	0:04:25	19	25.0	50	ON	N	2,417.98	7933	134 kts	154 mph	6.70		1.71	Cavender	GOOD AOI D
	15801	90	17:12:32	17:16:56	0:04:23	19	25.0	50	ON	N	2,414.63	7922	140 kts	161 mph	#REF!		1.6	Cavender	GOOD AOI D
	15701	270	17:19:46	17:23:45	0:03:59	19	25.0	50	ON	N	2,409.14	7904	138 kts	159 mph	#REF!		1.6	Cavender	GOOD AOI D

LIDAR FLIGHT SUMMARY

		Hobbs Start	3084
Aircraft IMU Time	4:13:17	Hobbs Stop	3088.5
Sensor Collection Time	1:34:23	Hobbs Total	4.5
Line Miles Flown	#VALUE!	Mission Hobbs	4.5
Average Flight Lines Speed	140 kts	Reflight Hobbs	0.0

DATA COLLECTION

Total Lines	24	Project % Complete	29.0%
# Reflight Lines		Total Flight Lines	176
Reflight Percent	0.0%	Lines Complete	51
Sensor Re-Flight Miles	0.0	Mission Lines	24

Comments

Cloud Cover

Clear	X
Fair	
Partly Cloudy	
Cloudy	