NORTHROP GRUMMAN

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

LIDAR Flight Log

Date	Pilot	Operator	Sensor
5/5/2012	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	19:01:05
Stop Time	23:15:00

AGC
Auto

Meteorological Conditions					
Airport	Elevation	Temp			Pressure
5B2	434'	21.0°c	294.15°k	29.94 inHg	101388 Pa

GPS Base Station Information					
	File Name		Ant Hgt	Ant Type	ALTM MISSION LOG
Base 1	AIR1260.pdc				VERSION 2
Base 2					OCT 8,2010
Base 3					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								
	12101	358				19	25.0	50	ON	N	2,771.55	9093	135 kts	155 mph	#VALUE!		1.74	Cavender	GOOD AOI C
	12201	178				19	25.0	50	ON	N	2,865.12	9400	*143 kts*	165 mph	#VALUE!		1.75	Cavender	GOOD AOI C
	12301	358				19	25.0	50	ON	N	2,919.07	9577	141 kts	162 mph	#VALUE!		1.66	Cavender	GOOD AOI C
	12401	178				19	25.0	50	ON	N	2,883.41	9460	147 kts	169 mph	#VALUE!		1.43	Cavender	GOOD AOI C
	12501	358				19	25.0	50	ON	N	2,863.90	9396	134 kts	154 mph	#VALUE!		1.46	Cavender	GOOD AOI C
	12601	178				19	25.0	50	ON	N	2,832.20	9292	140 kts	161 mph	#VALUE!		1.49	Cavender	GOOD AOI C
	12701	358				19	25.0	50	ON	N	2,761.79	9061	141 kts	162 mph	#VALUE!		1.51	Cavender	GOOD AOI C
	12801	178				19	25.0	50	ON	N	2,689.56	8824	142 kts	163 mph	#VALUE!		1.52	Cavender	GOOD AOI C
	12901	358				19	25.0	50	ON	N	2,657.86	8720	140 kts	161 mph	#VALUE!		1.52	Cavender	GOOD AOI C
	13001	178				19	25.0	50	ON	N	2,731.01	8960	150 kts	173 mph	#VALUE!		1.5	Cavender	GOOD AOI C
	13101	358				19	25.0	50	ON	N	2,780.39	9122	140 kts	161 mph	#VALUE!		1.47	Cavender	GOOD AOI C
	13201	178				19	25.0	50	ON	N	2,803.25	9197	145 kts	167 mph	#VALUE!		1.94	Cavender	GOOD AOI C
	13301	358				19	25.0	50	ON	N	2,825.80	9271	141 kts	162 mph	#VALUE!		1.91	Cavender	GOOD AOI C
	12001	89				19	25.0	50	ON	N	2,807.21	9210	138 kts	159 mph	#VALUE!		1.41	Cavender	GOOD AOI B
	11901	269				19	25.0	50	ON	N	2,827.32	9276	144 kts	166 mph	#VALUE!		1.41	Cavender	GOOD AOI B
											0.00								
											0.00								
	14301	179				19	25.0	50	ON	N	2,683.76	8805	144 kts	166 mph	#VALUE!		1.48	Cavender	GOOD AOI E
	14201	359				19	25.0	50	ON	N	2,675.53	8778	148 kts	170 mph	#VALUE!		1.48	Cavender	GOOD AOI E
	14101	179				19	25.0	50	ON	N	2,691.38	8830	145 kts	167 mph	#VALUE!		1.93	Cavender	GOOD AOI E
	14001	359				19	25.0	50	ON	N	2,676.14	8780	138 kts	159 mph	#VALUE!		1.95	Cavender	GOOD AOI E
	13901	179				19	25.0	50	ON	N	2,674.01	8773	144 kts	166 mph	#VALUE!		1.97	Cavender	GOOD AOI E
	13801	359				19	25.0	50	ON	N	2,670.05	8760	141 kts	162 mph	#VALUE!		2.54	Cavender	GOOD AOI E
	13701	179				19	25.0	50	ON	N	2,661.82	8733	148 kts	170 mph	#VALUE!		2.06	Cavender	GOOD AOI E
	13601	359				19	25.0	50	ON	N	2,676.45	8781	142 kts	163 mph	#VALUE!		2.59	Cavender	GOOD AOI E
	13501	179				19	25.0	50	ON	N	2,717.29	8915	141 kts	162 mph	#VALUE!		2.53	Cavender	GOOD AOI E
	13401	359				19	25.0	50	ON	N	2,732.84	8966	145 kts	167 mph	#VALUE!		2.46	Cavender	GOOD AOI E

LIDAR FLIGHT SUMMARY

		Hobbs Start	3079.6
Aircraft IMU Time	4:13:55	Hobbs Stop	3084
Sensor Collection Time	0:00:00	Hobbs Total	4.4
Line Miles Flown	#VALUE!	Mission Hobbs	4.4
Average Flight Lines Speed	142 kts	Reflight Hobbs	0.0

DATA COLLECTION

Total Lines	27	Project % Complete	15.3%
# Reflight Lines		Total Flight Lines	176
Reflight Percent	0.0%	Lines Complete	27
Sensor Re-Flight Miles	0.0	Mission Lines	27

Comments

AOI C FLOWN OPPOSITE OF LINE DIRECTION CONVENTION

Cloud Cover

Clear	X
Fair	
Partly Cloudy	
Cloudy	