NORTHROP GRUMMAN

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

LIDAR Flight Log

Date	Pilot	Operator	Sensor	Aircraft	Sled Drive
1/20/2014	DE	RL	Riegl 680i		

PROJECT #	26102
DESCRIPTION	USGS Saline
LOCATION	Saline, AR
NAV FILE	*Saline, AR*

Lever Arm	x	y	z
GPS (m)			

GPS Information	
Base 1	DI-V3

IMU Information	
Start Time	17:20:00
Stop Time	1:42:00

AGC

Meteorological Conditions				
Airport	Elevation	Temp		Pressure
KHOT		17.0°c	290.15°k	

GPS Base Station Information				
	File Name		Ant Hgt	Ant Type
Base 1	DLV3		1.5	LEGANT2
Base 2				
Base 3				

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
	02101	N	23:01:00	23:11:00	0:10:00	60	110.0	58		N	1,783.08	5850	141 kts	162 mph	23.50		1.22	RL	YAW ACCR LOW? 0.092-0.093
	02201	S	23:14:00	23:23:00	0:09:00	60	110.0	58		N	1,773.94	5820	143 kts	165 mph	21.45		1.12	RL	
	02301	N	23:27:00	23:36:00	0:09:00	60	110.0	58		N	1,767.84	5800	*140 kts*	161 mph	21.00		1.08	RL	
	02401	S	23:39:00	23:49:00	0:10:00	60	110.0	58		N	1,767.84	5800	144 kts	166 mph	24.00		1.12	RL	
	02501	N	23:53:00	0:02:00	0:09:00	60	110.0	58		N	1,755.65	5760	140 kts	161 mph	21.00		1.21	RL	TOP VIEW STOPPED PAINTING
	02601	S	0:06:00	0:16:00	0:10:00	60	110.0	58		N	1,755.65	5760	148 kts	170 mph	24.67		1.36	RL	REGAINED TOP VIEW PAINTING OK
	02701	N	0:18:00	9:50:00	9:32:00	60	110.0	58		N	1,752.60	5750	142 kts	163 mph	1353.73		1.08	RL	
	02801	S	0:32:00	0:41:00	0:09:00	60	110.0	58		N	1,743.46	5720	141 kts	162 mph	21.15		1.26	RL	
	02901	N	0:44:00	0:53:00	0:09:00	60	110.0	58		N	1,743.46	5720	135 kts	155 mph	20.25		1.1	RL	
	03001	S	0:56:00	1:05:00	0:09:00	60	110.0	58		N	1,737.36	5700	142 kts	163 mph	21.30		1.18	RL	

LIDAR FLIGHT SUMMARY

		Hobbs Start	3063.1
Aircraft IMU Time	15:38:00	Hobbs Stop	3069.5
Sensor Collection Time	10:56:00	Hobbs Total	6.4
Line Miles Flown	1552.1	Mission Hobbs	6.4
Average Flight Lines Speed	#DIV/0!	Reflight Hobbs	0.0

DATA COLLECTION

Total Lines	78	Project % Complete	38.5%
# Reflight Lines		Total Flight Lines	78
Reflight Percent	0.0%	Lines Complete	30
Sensor Re-Flight Miles	0.0	Mission Lines	10

Comments

Cloud Cover

Clear	X
Fair	
Partly Cloudy	
Cloudy	