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
1/22/2014	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	DL-V3

IMU Information	
Start Time	14:56:00
Stop Time	23:20:00

AGC

Meteorological Conditions				
Airport	Elevation	Temp		Pressure
KHOT-KSUZ				

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
	04901	N	15:18:00	15:28:00	0:10:00	60	110.0	58		N	1,694.69	5560	128 kts	147 mph	21.33		1.36	RL	HD#2
	05001	S	15:31:00	15:40:00	0:09:00	60	110.0	58		N	1,694.69	5560	147 kts	169 mph	22.05		1.17	RL	
	05101	N	15:44:00	15:53:00	0:09:00	60	110.0	58		N	1,694.69	5560	*130 kts*	150 mph	19.50		1.35	RL	
	05201	S	15:57:00	16:03:00	0:06:00	60	110.0	58		N	1,685.24	5529	147 kts	169 mph	14.70		1.44	RL	
	05301	N	16:07:00	16:14:00	0:07:00	60	110.0	58		N	1,682.50	5520	135 kts	155 mph	15.75		1.26	RL	
	05401	S	16:18:00	16:24:00	0:06:00	60	110.0	58		N	1,685.54	5530	146 kts	168 mph	14.60		1.08	RL	
	05501	N	16:28:00	16:35:00	0:07:00	60	110.0	58		N	1,684.02	5525	134 kts	154 mph	15.63		1.19	RL	
	05601	S	16:38:00	16:45:00	0:07:00	60	110.0	58		N	1,682.50	5520	148 kts	170 mph	17.27		1.1	RL	7 - LOST SYNC 16:44? 1 SEC
	05701	N	16:49:00	16:55:00	0:06:00	60	110.0	58		N	1,676.40	5500	135 kts	155 mph	13.50		1.16	RL	
	05801	S	16:59:00	17:05:00	0:06:00	60	110.0	58		N	1,676.40	5500	145 kts	167 mph	14.50		1.09	RL	
	05901	N	17:09:00	17:15:00	0:06:00	60	110.0	58		N	1,673.35	5490	140 kts	161 mph	14.00		1.11	RL	
	06001	S	17:19:00	17:24:00	0:05:00	60	110.0	58		N	1,673.35	5490	145 kts	167 mph	12.08		1.07	RL	
	06101	N	17:27:00	17:33:00	0:06:00	60	110.0	58		N	1,670.30	5480	135 kts	155 mph	13.50		1.1	RL	
	06201	S	17:37:00	17:42:00	0:05:00	60	110.0	58		N	1,664.21	5460	145 kts	167 mph	12.08		1.03	RL	
	06301	N	17:45:00	17:51:00	0:06:00	60	110.0	58		N	1,661.16	5450	137 kts	158 mph	13.70		0.99	RL	
	06401	S	17:54:00	18:00:00	0:06:00	60	110.0	58		N	1,661.16	5450	145 kts	167 mph	14.50		1.11	RL	
	06501	N	18:04:00	18:09:00	0:05:00	60	110.0	58		N	1,664.21	5460	135 kts	155 mph	11.25		1.07	RL	
	06601	S	18:12:00	18:17:00	0:05:00	60	110.0	58		N	1,661.16	5450	145 kts	167 mph	12.08		1.08	RL	
	06701	N	18:20:00	18:25:00	0:05:00	60	110.0	58		N	1,658.11	5440	136 kts	157 mph	11.33		1.23	RL	
	06801	S	18:28:00	18:32:00	0:04:00	60	110.0	58		N	1,655.06	5430	148 kts	170 mph	9.87		1.3	RL	
	06901	N	18:36:00	18:41:00	0:05:00	60	110.0	58		N	1,658.11	5440	135 kts	155 mph	11.25		1.32	RL	
	07001	S	18:44:00	18:48:00	0:04:00	60	110.0	58		N	1,652.02	5420	145 kts	167 mph	9.67		1.32	RL	

LIDAR FLIGHT SUMMARY

		Hobbs Start	3074.3
Aircraft IMU Time	8:24:00	Hobbs Stop	3081.2
Sensor Collection Time	FALSE	Hobbs Total	6.9
Line Miles Flown	314.2	Mission Hobbs	6.9
Average Flight Lines Speed	#DIV/0!	Reflight Hobbs	0.0

DATA COLLECTION

Total Lines	78	Project % Complete	89.7%
# Reflight Lines		Total Flight Lines	78
Reflight Percent	0.0%	Lines Complete	70
Sensor Re-Flight Miles	0.0	Mission Lines	22

Comments

KHOT-KSUZ. CLEAR WEATHER

Cloud Cover

Clear	X
Fair	
Partly Cloudy	
Cloudy	