

NORTHROP GRUMMAN

Northrop Grumman Corporation
Information Systems - Airborne Solutions
1120 Echo Ct., Peachtree City, Ga. 30269

LIDAR Daily Log

Field Crew	Project #				TBA				Lever Arm			
	Project Description				GPS (m)				x y z			
DRIVE b	USGS NASHVILLE				-0.159 -0.137 -1.404							
	Location											
MISSION B	KJWN											

GPS I
Base 1
Base 2
Base3
Aero 1
IMU I
Start Time
Stop Time

Flight Date (UTC)			Pilot		Operator		Sensor	Aircraft	SENSOR NAVIGATION FILE NAME				
3/20/2011			Tinsley		Pullen		ALTM203	N56SA	Nashville_5000AGL_V2.pln				

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	Nautical Miles Flown	
	00101	270.15	17:20:10	17:21:45	0:01:35	17	35.0	70	On	N	1775	5823	112	129 mph	1.87
	00201	90.14	17:25:55	17:29:09	0:03:14	17	35.0	70	On	N	1769	5804	116	133 mph	5.80
	00301	270.11	17:32:27	17:38:27	0:06:00	17	35.0	70	On	N	1774	5820	117	135 mph	11.70
	00401	90.11	17:41:26	17:47:44	0:06:18	17	35.0	70	On	N	1785	5856	129	148 mph	12.90
	00501	270.11	17:50:57	17:57:15	0:06:18	17	35.0	70	On	N	1760	5774	124	143 mph	12.40
	00601	90.11	17:59:47	18:06:15	0:06:28	17	35.0	70	On	N	1753	5751	129	148 mph	12.90
	00701	270.12	18:09:35	18:16:20	0:00:00	17	35.0	70	On	N	1752	5748	125	144 mph	0.00
	00801	90.12	18:19:13	18:26:16	0:00:00	17	35.0	70	On	N	1739	5705	127	146 mph	0.00
	TL	90.15	18:31:42	18:34:15	0:02:33	17	35.0	70	On	N	1719	5640	115	132 mph	3.83

LIDAR FLIGHT SUMMARY						DATA COLLECTION											
Aircraft IMU Time			1:41:11	Hobbs Start		2542.1		Total Lines			104		Project % Complete			76.0%	
Sensor Collection Time			0:32:26	Hobbs Stop		2544.2		# Reflight Lines			0		Total Flight Lines			104	
Line Miles Flown			61.4	Mission Hobbs		2.1		Reflight Percent			0.0%		Line Complete			79	
Average Flight Lines Speed			#DIV/0!	Reflight Hobbs		0.0		Sensor Re-Flight Miles			0.0		Mission Lines			8	

Data was collected but was aborted due to weather

Information	AGC	Meteorological Conditions					
			Elevation	Temp		Pressure	
NAIL JWN	Auto	Airport	495	9.0°C	282.15°k	30.10 inHg	101930 Pa
AIR		@ Altitude					
		@ Altitude					
Information		GPS Base Station Information					
16:55:33		File Name	RNX File	Ant Hgt	Ant Type	ALS MISSION LOG VERSION 2 OCT 8,2010 DANIEL BURKE	
		Base 1	KJWN0790.pdc	1.8	Novatel		
18:36:44		Base 2					
		Base 3					
Void "Y"	PDOP	Operator	Conditions/Comments				
	2.2	Pullen	Good Flight Line				
	2.3	Pullen	Good Flight Line				
	2.3	Pullen	Good Flight Line				
	2.2	Pullen	Good Flight Line				
	2.1	Pullen	Good Flight Line				
	2	Pullen	Good Flight Line				
Y	1.8	Pullen	Clouds in line need to be reflow				
Y	1.7	Pullen	Clouds in line need to be reflow				
	1.6	Pullen	;Tie-Line				
Comments						Cloud Cover	
						Clear	X
						Fair	
						Partly Cloudy	
						Cloudy	