

Woolpert Lidar Acquisition Log

Project Info

Date

Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #
83036	MN CentMS Block 5	Day143_90511_1	05/23/2022	143	1

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
LaRocque	Cessna 404 Titan - N532NM	246.2	08:00:00	13:00:00	KSTC
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Livernois	Leica Terrain Mapper - 90511	249.5	11:43:00	16:43:00	KSTC

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
200	6	10	8,000	Overcast	10	2	30.36
Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)				
160	6,562	7,484	1,031				

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
		40	150	1603	100

Verify S-Turns Before Mission Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
60	N	13:37:00	13:39:00	00:02:00	18	1.1	
59	S	13:42:00	13:46:00	00:04:00	19	1	
58	N	13:49:00	13:54:00	00:05:00	17	1.2	
57	S	13:57:00	14:02:00	00:05:00	16	1.5	
56	N	14:04:00	14:09:00	00:05:00	17	1.3	
55	S	14:12:00	14:17:00	00:05:00	17	1.2	Open hardware monitor not working properly
54	N	14:21:00	14:25:00	00:04:00	17	1.3	Cant connect to perf monitoring OC60
							Sensor Reboot
53	S	14:38:00	14:48:00	00:10:00	17	1.2	
52	N	14:51:00	15:00:00	00:09:00	16	1.3	
51	S	15:03:00	15:13:00	00:10:00	16	1.3	
50	N	15:16:00	15:26:00	00:10:00	16	1.3	
49	S	15:29:00	15:39:00	00:10:00	16	1.2	
48	N	15:42:00	15:51:00	00:09:00	17	1.1	
47	S	15:54:00	16:04:00	00:10:00	18	1	SCT clouds on line
46	N	16:07:00	16:13:00	00:06:00	16	1.1	Aborted for clouds

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Verify S-Turns After Mission Yes

Additional Comments
 Aborted flight for clouds in mission area, Sensor rebooted after line 54 GOLD ERROR: unable to connect to performance on OC60, Error Window popup: Open hardware monitor not working properly

Woolpert Lidar Acquisition Log

Project Info							Date		
Project #	Project Name			Unique ID			Flight Date (UTC)	Day of Year	Flight #
83036	MN Central Miss Chisago/Blk5			Day143_90515			05/23/2022	143	
Crew		Equipment			Time			Airports	
Pilot		Aircraft Make / Model / Tail #			Hobbs Start	Local Start	UTC Start	Departing	
Palesznicki		Cessna 404 Titan - N475RC			2874.7	10:06:00	15:06:00	RST	
Operator		Sensor Make / Model / Serial #			Hobbs End	Local End	UTC End	Arriving	
Denham		Leica Terrain Mapper - 90515			4:48	13:49:00	18:51:00	RST	
Conditions									
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)		
140	4	10		Clear	11	2	30.38		
Air Speed (kts)		Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)					
130		5,331	5,988	1,317					
Settings									
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)		Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)			
		40		150	2000	100			
							Verify S-Turns Before Mission	Yes	
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments		
82	N	15:59:00	16:03:00		18	1	Chisago		
1	N	16:35:00	16:41:00	00:06:00	15	1.2	BLOCK 5		
2	S	16:45:00	16:51:00	00:06:00	14	1.2			
3	N	16:55:00	17:02:00	00:07:00	16	1.1			
4	S	17:06:00	17:23:00	00:17:00	17	1.1			
5	N	17:25:00	17:42:00	00:17:00	15	1.2			
							Page 1	Verify S-Turns After Mission	Yes
Additional Comments									
Block 5 Specs SPD 160 ALT 7484 SENSOR SPEC: 40 150Hz 1603kHz 100%									

Woolpert Lidar Acquisition Log

Project Info						Date		
Project #	Project Name			Unique ID		Flight Date (UTC)	Day of Year	Flight #
83036	MN Cent Block 5			Day144_90511_2		05/24/2022	144	2
Crew		Equipment			Time			Airports
Pilot		Aircraft Make / Model / Tail #			Hobbs Start	Local Start	UTC Start	Departing
LaRocque		Cessna 404 Titan - N532NM			249.5	07:55:00	12:55:00	KSTC
Operator		Sensor Make / Model / Serial #			Hobbs End	Local End	UTC End	Arriving
Livernois		Leica Terrain Mapper - 90511			254.5	13:15:00	18:15:00	KSTC
Conditions								
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)	
140	5	10			11	4	30.21	
Air Speed (kts)		Altitude AGL (ft)		Altitude MSL (ft)	Airfield Elevation (ft)			
160		6,562		7,484	1,031			
Settings								
Point Spacing (m)	Point Density (ppsm)		Scan Angle/FOV (°)		Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)	
			40		150	1603	100	
						Verify S-Turns Before Mission		Yes
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments	
46	N	13:26:00	13:36:00	00:10:00	17	1.3		
45	S	13:39:00	13:49:00	00:10:00	18	1.2		
44	N	13:52:00	14:02:00	00:10:00	17	1.1		
43	S	14:05:00	14:15:00	00:10:00	17	1.2		
42	N	14:18:00	14:28:00	00:10:00	17	1.2		
41	S	14:31:00	14:41:00	00:10:00	17	1.3		
40	N	14:43:00	14:54:00	00:11:00	18	1.3		
39	S	14:57:00	15:06:00	00:09:00	18	1.1		
38	N	15:09:00	15:19:00	00:10:00	16	1.1		
37	S	15:22:00	15:32:00	00:10:00	15	1.3		
36	N	15:35:00	15:45:00	00:10:00	18	1.3		
35	S	15:48:00	15:58:00	00:10:00	16	1		
34	N	16:01:00	16:10:00	00:09:00	16	1.1		
33	S	16:14:00	16:23:00	00:09:00	16	1.1	Pilot display reset, went 100m off course	
32	N	16:26:00	16:36:00	00:10:00	15	1.1	Abnormal reflections detected	
31	S	16:41:00	16:53:00	00:12:00	16	1.2		
30	N	16:55:00	17:07:00	00:12:00	15	1.1		
29	S	17:10:00	17:22:00	00:12:00	15	1.2		
28	N	17:24:00	17:36:00	00:12:00	15	1.3		
27	S	17:39:00	17:51:00	00:12:00	16	1.2		

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Verify S-Turns After Mission **Yes**

Additional Comments

Clouds on south edge of project area. During post flight 360's PAV began shaking and laser was firing , I pressed emergency stop on top of sensor head. GOLD ERROR pav control loop detected high frequency vibrations - automatic shutdown may take place RED ERROR: gimbal data from PAV are missing GOLD ERROR PAV COMMS interrupted

Woolpert Lidar Acquisition Log

Project Info						Date		
Project #	Project Name			Unique ID		Flight Date (UTC)	Day of Year	Flight #
83036	MN CentMS Block 5			Day144_90513_A		05/24/2022	144	A
Crew		Equipment			Time			Airports
Pilot		Aircraft Make / Model / Tail #			Hobbs Start	Local Start	UTC Start	Departing
Ramsey		Cessna 404 Titan - N404CP			8701.2	13:24:00	08:24:00	KSTC
Operator		Sensor Make / Model / Serial #			Hobbs End	Local End	UTC End	Arriving
Annen		Leica Terrain Mapper - 90513			8706.2	18:49:00	13:49:00	KSTC
Conditions								
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)	
130	5	10	8,000	Broken	12	3	30.22	
Air Speed (kts)		Altitude AGL (ft)		Altitude MSL (ft)	Airfield Elevation (ft)			
160		6,562		7,484	1,031			
Settings								
Point Spacing (m)	Point Density (ppsm)		Scan Angle/FOV (°)	Scan Frequency (Hz)		Pulse Rate (kHz)	Laser Power (%)	
			40	150		2000	100	
							Verify S-Turns Before Mission	Yes
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments	
6	N	14:00:00	14:03:00	00:03:00	17	1.3	Had software failure. Restarted program	
6	N	14:11:00	14:26:00	00:15:00	17	1.2	Restarted line. Working fine now.	
7	S	14:29:00	14:43:00	00:14:00	17	1.3		
8	N	14:46:00	15:01:00	00:14:00	17	1.3		
9	S	15:04:00	15:18:00	00:14:00	18	1.2		
10	N	15:21:00	15:35:00	00:14:00	17	1.2		
11	S	15:38:00	15:52:00	00:14:00	17	1.1		
12	N	15:55:00	16:08:00	00:13:00	18	1		
13	S	16:12:00	16:25:00	00:13:00	16	1.1		
14	N	16:28:00	16:41:00	00:13:00	15	1.2		
15	S	16:44:00	16:57:00	00:13:00	15	1.2		
16	N	16:59:00	17:13:00	00:14:00	17	1		
17	S	17:15:00	17:29:00	00:14:00	15	1.2		
18	N	17:32:00	17:44:00	00:12:00	16	1.2		
19	S	17:47:00	18:02:00	00:15:00	15	1.4		
20	N	18:04:00	18:17:00	00:13:00	15	1.4		
							Cloud deck that was at 8k coming down...	
							RTB WX	
Page 1						Verify S-Turns After Mission	Yes	
Additional Comments								

Woolpert Lidar Acquisition Log

Project Info						Date			
Project #	Project Name			Unique ID		Flight Date (UTC)	Day of Year	Flight #	
83036	MN Cent MS Block 4			Day147_90511_1		05/27/2022	147	1	
Crew		Equipment			Time			Airports	
Pilot	Aircraft Make / Model / Tail #			Hobbs Start	Local Start	UTC Start	Departing		
LaRocque	Cessna 404 Titan - N532NM			254.5	07:50:00	12:50:00	KSTC		
Operator	Sensor Make / Model / Serial #			Hobbs End	Local End	UTC End	Arriving		
Livernois	Leica Terrain Mapper - 90511			260.4	13:55:00	18:55:00	KSTC		
Conditions									
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)		
0	0	10	8,000	Broken	7	6	29.94		
Air Speed (kts)		Altitude AGL (ft)		Altitude MSL (ft)	Airfield Elevation (ft)				
160		6,562		7,549	1,031				
Settings									
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)		Scan Frequency (Hz)		Pulse Rate (kHz)	Laser Power (%)		
		40		150		1600	100		
								Verify S-Turns Before Mission	Yes
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments		
68	S	13:21:00	13:30:00	00:09:00	18	1.1			
67	N	13:33:00	13:43:00	00:10:00	18	1.2			
66	S	13:47:00	13:56:00	00:09:00	18	1.3			
65	N	13:59:00	14:13:00		18	1.2			
64	S	14:17:00	14:30:00	00:13:00	18	1.3			
63	N	14:34:00	14:47:00	00:13:00	18	1.2			
62	S	14:51:00	15:04:00	00:13:00	17	1.2			
61	N	15:07:00	15:21:00	00:14:00	17	1.3			
60	S	15:24:00	15:38:00	00:14:00	18	1.1			
59	N	15:41:00	15:55:00	00:14:00	18	1.1			
58	S	15:58:00	16:12:00	00:14:00	17	1.1			
57	N	16:16:00	16:29:00	00:13:00	16	1.2			
56	S	16:32:00	16:46:00	00:14:00	16	1.1	Abnormal reflections detected		
55	N	16:50:00	17:03:00	00:13:00	17	1.1	Abnormal reflections detected		
54	S	17:06:00	17:20:00	00:14:00	17	1.1	Abnormal reflections detected		
53	N	17:23:00	17:36:00	00:13:00	17	1.2	Abnormal reflections detected		
52	S	17:40:00	17:53:00	00:13:00	17	1.3			
51	N	17:56:00	18:10:00	00:14:00	17	1.3			
50	S	18:13:00	18:27:00	00:14:00	19	1			
Page 1						Verify S-Turns After Mission		Yes	
Additional Comments									
Abnormal reflections detected on northern half of lines 56-53									

Woolpert Lidar Acquisition Log

Project Info						Date		
Project #	Project Name			Unique ID		Flight Date (UTC)	Day of Year	Flight #
83036	MN CentMiss Clock 4			Day147_90513_A		05/27/2022	147	A
Crew		Equipment			Time			Airports
Pilot	Aircraft Make / Model / Tail #			Hobbs Start	Local Start	UTC Start	Departing	
Ramsey	Cessna 404 Titan - N404CP			8706.2	08:12:00	13:12:00	KSTC	
Operator	Sensor Make / Model / Serial #			Hobbs End	Local End	UTC End	Arriving	
Annen	Leica Terrain Mapper - 90513			8712.1	14:20:00	18:20:00	KSTC	
Conditions								
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)	
230	5	10		Clear	12	9	29.94	
Air Speed (kts)		Altitude AGL (ft)		Altitude MSL (ft)	Airfield Elevation (ft)			
160		6,562		7,054	1,030			
Settings								
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)		Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)		
	8	40		150	1603	100		
							Verify S-Turns Before Mission	Yes
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments	
45	N	13:51:00	14:05:00	00:14:00	18	1.3		
44	S	14:08:00	14:22:00	00:14:00	18	1.3		
43	N	14:26:00	14:40:00	00:14:00	18	1.2		
42	S	14:43:00	14:56:00	00:13:00	17	1.2		
41	N	15:00:00	15:14:00	00:14:00	17	1.1		
40	S	15:17:00	15:31:00	00:14:00	17	1.2		
39	N	15:34:00	15:48:00	00:14:00	18	1.1		
38	S	15:51:00	16:05:00	00:14:00	18	1.1		
37	N	16:10:00	16:20:00	00:10:00	17	1.1		
36	S	16:23:00	16:31:00	00:08:00	16	1.2		
35	N	16:34:00	16:43:00	00:09:00	16	1.3		
34	S	16:46:00	16:55:00	00:09:00	15	1.4		
33	N	16:59:00	17:07:00	00:08:00	17	1.1		
32	S	17:10:00	17:19:00	00:09:00	17	1.1		
31	N	17:22:00	17:31:00	00:09:00	17	1.2		
46	S	17:35:00	17:49:00	00:14:00	17	1.3		
47	N	17:51:00	18:05:00	00:14:00	17	1.3		
48	S	18:08:00	18:22:00	00:14:00	19	1.1		
49	N	18:31:00	18:45:00	00:14:00	18	1.1		
Page 1							Verify S-Turns After Mission	Yes
Additional Comments								
Manuvering was due to ATC clearances and a Restricted area on our north end of the lines.								

Woolpert Lidar Acquisition Log

Project Info				Date		
Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #	
83036	MN Central Miss Chisago/Blk5/Blk4	Day147_90515	05/27/2022	147		

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Gebhart	Cessna 404 Titan - N475RC	2878.2	08:27:00	13:27:00	RST
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Denham	Leica Terrain Mapper - 90515	2:24	15:43:00	20:43:00	RST

Conditions							
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
330	6	10		Clear	12	9	29.95
Air Speed (kts)		Altitude AGL (ft)		Altitude MSL (ft)		Airfield Elevation (ft)	
160		6,562		7,484		1,317	

Settings					
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
		40	150	1600	100

	Verify S-Turns Before Mission	Yes
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Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
38	N	14:22:00	14:35:00		18	1.2	Chisago ReFlight
26	N	14:52:00	15:04:00		17	1.2	Block 5 Start
25	S	15:07:00	15:23:00	00:16:00	17	1.3	
24	N	15:26:00	15:42:00	00:16:00	18	1.1	
23	S	15:45:00	16:01:00	00:16:00	19	1	
22	N	16:04:00	16:21:00	00:17:00	16	1.2	
21	S	16:25:00	16:39:00	00:14:00	15	1.3	Block 5 End
1	N	17:06:00	17:20:00	00:14:00	17	1.1	Block 4 Start
2	S	17:22:00	17:36:00	00:14:00	17	1.2	
3	N	17:39:00	17:53:00	00:14:00	16	1.3	
4	S	17:55:00	18:09:00	00:14:00	16	1.3	
5	N	18:12:00	18:25:00	00:13:00	19	1.1	
6	S	18:28:00	18:41:00	00:13:00	18	1.1	
7	N	18:44:00	18:57:00	00:13:00	19	1.1	
8	S	19:00:00	19:13:00	00:13:00	18	1.3	
9	N	19:16:00	19:29:00	00:13:00	20	1.1	
10	S	19:32:00	19:45:00	00:13:00	21	1	Block 4 End
							SYSTEM FREEZE ON SHUTDOWN
							RESTART SYSTEM FOR FILE DUMP

Page 1	Verify S-Turns After Mission	Yes
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Additional Comments
 CHISAGO CO, BLOCK5, BLOCK4

Woolpert Lidar Acquisition Log

Project Info

Date

Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #
83036	MN Cent MS Block 4	Day148_90511_2	05/28/2022	148	2

Crew

Equipment

Time

Airports

Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
LaRocque	Cessna 404 Titan - N532NM	260.6	17:55:00	22:55:00	KSTC
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Livernois	Leica Terrain Mapper - 90511	263.9	02:30:00	02:30:00	KSTC

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
0	0	10	12,000	Scattered	30	16	29.51
Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)				
160	6,562	7,549	1,031				

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
		400	150	1603	100

Verify S-Turns Before Mission | Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
30	N	23:16:00	23:25:00	00:09:00	19	1.1	Abnormal Reflections
29	S	23:29:00	23:38:00	00:09:00	18	1.2	Abnormal Reflections
28	N	23:40:00	23:50:00	00:10:00	19	1.1	
27	S	23:55:00	00:07:00	00:12:00	16	1.2	
26	N	00:10:00	00:22:00	00:12:00	16	1.2	
25	S	00:25:00	00:37:00	00:12:00	18	0.9	
24	N	00:40:00	00:52:00	00:12:00	19	0.9	
23	S	00:55:00	01:07:00	00:12:00	16	1.1	Abnormal Reflections
22	N	01:10:00	01:23:00	00:13:00	16	1.1	
11	S	01:27:00	01:39:00	00:12:00	16	1.1	Abnormal Reflections
10	N	01:42:00	01:54:00	00:12:00	17	1.2	

Page 1 **Verify S-Turns After Mission** | Yes

Additional Comments

Pilot display reset briefly on line 24

Woolpert Lidar Acquisition Log

Project Info						Date			
Project #	Project Name		Unique ID			Flight Date (UTC)	Day of Year	Flight #	
83036	MN CentMS Block 4		Day148_90513_B			05/28/2022	148	B	
Crew		Equipment		Time			Airports		
Pilot		Aircraft Make / Model / Tail #		Hobbs Start	Local Start	UTC Start	Departing		
Ramsey		Cessna 404 Titan - N404CP		8712.1	18:00:00	23:00:00	KSTC		
Operator		Sensor Make / Model / Serial #		Hobbs End	Local End	UTC End	Arriving		
Annen		Leica Terrain Mapper - 90513		8716.1	21:55:00	02:55:00	KSTC		
Conditions									
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)		
330	6	10	9,000	Scattered	29	15	29.51		
Air Speed (kts)		Altitude AGL (ft)		Altitude MSL (ft)	Airfield Elevation (ft)				
160		6,562		7,484	1,031				
Settings									
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)		Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)			
		40		150	2000	100			
Verify S-Turns Before Mission								Yes	
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments		
19	N	23:24:00	23:37:00	00:13:00	18	1.2	Clouds on the west portion		
20	S	23:40:00	23:52:00	00:12:00	19	1.1			
21	N	23:55:00	00:06:00	00:11:00	17	1.1			
18	S	00:10:00	00:24:00	00:14:00	17	1.1	Clouds clearing		
17	N	00:26:00	00:39:00	00:13:00	18	1			
16	N	01:02:00	01:15:00	00:13:00	15	1.2	See notes below		
15	S	01:18:00	01:30:00	00:12:00	16	1.1			
14	N	01:33:00	01:46:00	00:13:00	16	1.2			
13	S	01:49:00	02:01:00	00:12:00	16	1.2			
12	N	02:04:00	02:16:00	00:12:00	16	1.2			
Page 1					Verify S-Turns After Mission			Yes	
Additional Comments									
PAV had a fit on line 16. Middle of line, started shaking, software then failed. Did a full software restart and after the second time, got it working correctly.									

Woolpert Lidar Acquisition Log

Project Info				Date		
Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #	
83036	MN Central Miss Block 5 ReFlights	Day153_90515	06/02/2022	153		

Crew		Equipment		Time			Airports
Pilot		Aircraft Make / Model / Tail #		Hobbs Start	Local Start	UTC Start	Departing
LaRocque		Cessna 404 Titan - N475RC		2887.1	08:50:00	13:50:00	RST
Operator		Sensor Make / Model / Serial #		Hobbs End	Local End	UTC End	Arriving
Denham		Leica Terrain Mapper - 90515		2890.2	12:13:00	17:13:00	RST

Conditions							
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
260	11	10		Clear	16	4	29.99
Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)				
160	6,562	7,484	1,317				

Settings					
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
	8	40	150	1600	100

					Verify S-Turns Before Mission	Yes
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Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
9	N	15:09:00	15:21:00		16	1.1	Block 4
10	S	15:24:00	15:37:00		17	1.1	Block 4
38	N	15:56:00	16:00:00	00:04:00	15	1.3	Block 5
40	N	16:06:00	16:10:00	00:04:00	14	1.3	Block 5
45	N	16:16:00	16:20:00	00:04:00	15	1.2	Block 5

Additional Comments