Woolpert Lidar Acquisition Log

Project Info			Date		
Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #
81328	WY Converse BLK 7	Day204_90513_A	07/23/2021	204	A

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Kirkland	Cessna 404 Titan - N7079F	3123.5	08:51:00	14:51:00	KCOD
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Ryan	Leica Terrain Mapper - 90513	3128	12:17:00	18:17:00	KCOD

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
0	0	10		Clear	21	9	3021

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
150	11,319	15,171	5,102

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
0.7	2	40	90	670	100

Verify S-Turns Before Mission	Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
40	S	14:51:00	15:11:00	00:20:00	19	1.3	
39	N	15:16:00	15:37:00	00:21:00	21	0.9	
38	S	15:42:00	16:02:00	00:20:00	18	1.2	
37	N	16:06:00	16:27:00	00:21:00	19	1.2	
36	S						NG offline
36	S	16:42:00	17:02:00	00:20:00	20	1.2	
35	N	17:06:00	17:27:00	00:21:00	20	1.1	
34	S	17:32:00	17:52:00	00:20:00	20	1.2	
33	N	17:56:00	18:17:00	00:21:00	21	1.1	

Verify S-Turns After Mission	Yes

Additional Comments

smoke through entire area.

Woolpert Lidar Acquisition Log

Project Info			Date		
Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #
81328	WY Converse BLK 7 & BLK 5	Day205_90513_A	07/24/2021	205	A

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Kirkland	Cessna 404 Titan - N7079F	3128	09:40:00	15:40:00	KCPR
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Ryan	Leica Terrain Mapper - 90513	3133.4	14:16:00	20:16:00	KCPR

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
0	0	10		Clear	21	-1	3031

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
150	11,319	15,171	5,102

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
0.7	2	40	90	670	100

Verify S-Turns Before Mission	Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
32	S	15:40:00	16:00:00	00:20:00	20	1.2	
31	N	16:04:00	16:24:00	00:20:00	20	1.3	
30	S	16:27:00	16:47:00	00:20:00	21	1.1	
29	N	16:52:00	17:09:00	00:17:00	17	1.4	
28	S	17:13:00	17:30:00	00:17:00	19	1.2	
27	N	17:32:00	17:49:00	00:17:00	19	1.2	
26	S	17:32:00	18:10:00	00:38:00	20	1.1	
25	N	18:13:00	18:30:00	00:17:00	17	1.3	
							BLOCK 5 / 15,423 MSL
63	S	18:41:00	18:54:00	00:13:00	22	1.1	
62	N	18:58:00	19:10:00	00:12:00	22	1.2	
61	S	19:14:00	19:27:00	00:13:00	22	1.2	
60	N	19:31:00	19:43:00	00:12:00	19	1.3	
59	S	19:47:00	19:59:00	00:12:00	21	1.2	
58	N	20:03:00	20:16:00	00:13:00	21	1.2	

Verify S-Turns After Mission	Yes

Additional Comments

Sensor lost power on taxi after landing. The pilot hit a switch off that caused the sensor to lose power. No static was done and the sensor was not shut down properly.

Woolpert Lidar Acquisition Log

Project Info			Date		
Project #	**Project Name**	**Unique ID**	**Flight Date (UTC)**	**Day of Year**	**Flight #**
81328	WY North Converse Block 7 REFLIGHTS	Day233_90515_1	08/21/2021	233	1

Crew	Equipment	Time			Airports
Pilot	**Aircraft Make / Model / Tail #**	**Hobbs Start**	**Local Start**	**UTC Start**	**Departing**
Larocque	Cessna 404 Titan - N532NM	22.9	08:50:00	14:50:00	KCPR
Operator	**Sensor Make / Model / Serial #**	**Hobbs End**	**Local End**	**UTC End**	**Arriving**
Fanning	Leica Terrain Mapper - 90515	26.9	11:35:00	17:35:00	KCPR

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
20	3	10	15,800	Scattered	6	4	30.09

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
150	11,319	14,775	5,344

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
0.7	2	40	90	670	100

Verify S-Turns Before Mission Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
20	S	14:50:00	14:52:00	00:02:00	15	1.1	**START B7 REFLIGHTS 14,775' MSL**
19	N	14:55:00	14:57:00	00:02:00	23	1.2	
18	S	15:01:00	15:03:00	00:02:00	24	1.2	
17	N	15:07:00	15:09:00	00:02:00	24	1.2	
16	S	15:13:00	15:19:00	00:06:00	25	1.1	
15	N	15:22:00	15:29:00	00:07:00	25	1.1	
14	S	15:32:00	15:36:00	00:04:00	23	1.2	
13	N	15:39:00	15:42:00	00:03:00	23	1.2	
12	S	15:46:00	15:48:00	00:02:00	23	1.2	
11	N	15:52:00	15:55:00	00:03:00	24	1.2	
10	S	15:59:00	16:02:00	00:03:00	25	1.1	
9	N	16:05:00	16:08:00	00:03:00	25	1.1	
8	S	16:11:00	16:14:00	00:03:00	24	1.2	
7	N	16:18:00	16:20:00	00:02:00	22	1.3	
6	S	16:23:00	16:26:00	00:03:00	21	1.1	
32	S	16:52:00	17:08:00	00:16:00	22	1.1	
31	N	17:13:00	17:18:00	00:05:00	24	1.1	
30	S	17:25:00	17:35:00	00:10:00	24	1.1	

Verify S-Turns After Mission Yes

Additional Comments

3910GB WU: 08:01MST WD: 12:05MST

Woolpert Lidar Acquisition Log

Project Info			Date		
Project #	**Project Name**	**Unique ID**	**Flight Date (UTC)**	**Day of Year**	**Flight #**
/081328	WY Converse Reflights	---	05/28/2023	148	1

Crew	Equipment	Time			Airports
Pilot	**Aircraft Make / Model / Tail #**	**Hobbs Start**	**Local Start**	**UTC Start**	**Departing**
Robinette	Cessna 404 / N475RC	45.6?	08:06:00	14:06:00	KCPR
Operator	**Sensor Make / Model / Serial #**	**Hobbs End**	**Local End**	**UTC End**	**Arriving**
Morss	TM 511	48.6?	10:06:00	16:06:00	KCPR

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
230	10	10	25,000	Clear	13	6	29.98

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
150	12,812	12,969	5,344

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
		40	94	600	100

Verify S-Turns Before Mission	Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
1	S	15:06:00	15:07:00	00:01:00	17	1.1	Blk 4 Line, Clouds at alt. Reflew below alt.
							Returns above 90%, cam below clouds?
1	N	15:28:00	15:30:00	00:02:00	16	1.2	Blk 7 Line, no clouds here

Page 1	Verify S-Turns After Mission	Yes

Additional Comments

Alt. AGL is MSL for Blk 7. Alt. MSL is for Blk4. Hobbs meter in the plane is broken, so times are based off of my own timekeeping and prior estimates from the previous operator on the project. May be off by ~1.0 hour.

Woolpert Lidar Acquisition Log

Project Info			Date		
Project #	**Project Name**	**Unique ID**	**Flight Date (UTC)**	**Day of Year**	**Flight #**
81328	WY North Converse Block 7 REFLIGHTS	Day233_90515_1	08/21/2021	233	1

Crew	Equipment	Time			Airports
Pilot	**Aircraft Make / Model / Tail #**	**Hobbs Start**	**Local Start**	**UTC Start**	**Departing**
Larocque	Cessna 404 Titan - N532NM	22.9	08:50:00	14:50:00	KCPR
Operator	**Sensor Make / Model / Serial #**	**Hobbs End**	**Local End**	**UTC End**	**Arriving**
Fanning	Leica Terrain Mapper - 90515	26.9	11:35:00	17:35:00	KCPR

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
20	3	10	15,800	Scattered	6	4	30.09

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
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Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
0.7	2	40	90	670	100

Verify S-Turns Before Mission Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
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32	S	16:52:00	17:08:00	00:16:00	22	1.1	
31	N	17:13:00	17:18:00	00:05:00	24	1.1	
30	S	17:25:00	17:35:00	00:10:00	24	1.1	

Verify S-Turns After Mission Yes

Additional Comments

3910GB WU: 08:01MST WD: 12:05MST

Woolpert Lidar Acquisition Log

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/081328	WY Converse Reflights	---	05/28/2023	148	1

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Page 1	Verify S-Turns After Mission	Yes

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