Woolpert Lidar Acquisition Log

Project Info			Date		
Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #
81328	North Converse WY Block 4	Day211_90511_1	07/30/2021	211	1

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Canady	Cessna 404 Titan - N404CP	8505	10:33:00	16:33:00	CPR
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Kennedy	Leica Terrain Mapper - 90511	8508.2			CPR

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
290	8	10	7,000	Scattered	23	16	30.28

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
150	11,319	15,043	5,344

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
0.7	2	40	80	670	100

Verify S-Turns Before Mission	Yes

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
50	N	17:35:00	17:53:00	00:18:00	19	1.2	
49	S	17:56:00	18:12:00	00:16:00	22	1.1	
48	N	18:15:00	18:33:00	00:18:00	22	1.2	
47	S	18:37:00	18:53:00	00:16:00	22	1.1	clouds on south end

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 #
81328	North Converse WY Block 5	Day213_90511_1	08/01/2021	213	1

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Canady	Cessna 404 Titan - N404CP	8508.2	9:04:00	15:04:00	CPR
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Kennedy	Leica Terrain Mapper - 90511	8513.9	14:42:00	20:42:00	CPR

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
20	5	5		Clear	19	11	30.41

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
150	11,319	15,423	5,344

Settings

Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
0.7	2	40	80	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	N	15:55:00	16:07:00	00:12:00	28	1.1	
19	S	16:10:00	16:22:00	00:12:00	26	1.2	
18	N	16:25:00	16:36:00	00:11:00	23	1.2	
17	S	16:40:00	16:51:00	00:11:00	24	1.1	
16	N	16:54:00	17:06:00	00:12:00	22	1.2	relocating for clouds
46	N	17:14:00	17:30:00	00:16:00	23	1.2	Start Block 4 @ 15043MSL
45	S	17:34:00	17:50:00	00:16:00	20	1.3	
44	N	17:54:00	18:10:00	00:16:00	21	1.4	
43	S	18:13:00	18:30:00	00:17:00	22	1.2	
42	N	18:33:00	18:50:00	00:17:00	23	1.2	
41	S	18:53:00	19:09:00	00:16:00	21	1.3	
40	N	19:12:00	19:29:00	00:17:00	21	1.2	
51	S	19:34:00	19:50:00	00:16:00	18	1.3	

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 #**
/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.