Woolpert Lidar Acquisition Log

Project Info			Date		
Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #
81638	OH Lidar ph 3/ BLK 1 reflights/ BLK 2	Day112_90515_A	04/22/2022	112	A

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Comer	Cessna 404 Titan - N475RC	2807.6	13:24:00	17:24:00	KDAY
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Ryan	Leica Terrain Mapper - 90515	2811.7	16:56:00	20:56:00	KDAY

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
130	10	10	12,000	Few	21	7	3043

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
160	6,562	7,500	1,008

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

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
56	S	17:24:00	17:38:00	00:14:00	14	1.3	Block 1 reflights
55	N	17:42:00	17:55:00	00:13:00	16	1	
54	S	17:59:00	18:12:00	00:13:00	14	1.2	
53	N	18:16:00	18:30:00	00:14:00	15	1.2	
30	S	18:38:00	18:42:00	00:04:00	13	1.3	
31	S	18:44:00	18:45:00	00:01:00	12	1.4	
32	N	18:48:00	18:49:00	00:01:00	12	1.4	
31	E	19:04:00	19:08:00	00:04:00	14	1.3	BLOCK 2 7500 MSL
30	W	19:12:00	19:17:00	00:05:00	17	1.1	
29	E	19:24:00	19:32:00	00:08:00	16	1.2	
28	W	19:36:00	19:44:00	00:08:00	16	1.1	
27	E	19:48:00	19:56:00	00:08:00	16	1.2	
26	W	20:00:00	20:08:00	00:08:00	16	1.2	
25	E	20:12:00	20:20:00	00:08:00	16	1.2	
24	W	20:24:00	20:33:00	00:09:00	17	1.1	
23	E	20:37:00	20:43:00	00:06:00	16	1.3	
22	W	20:47:00	20:56:00	00:09:00	16	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 #
81638	OH Lidar ph 3 BLOCK 2	Day113_90515_A	04/23/2022	113	A

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Comer	Cessna 404 Titan - N475RC	2811.7	09:37:00	13:37:00	KDAY
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Ryan	Leica Terrain Mapper - 90515	2816.7	13:53:00	17:53:00	KDAY

Conditions

Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
160	7	10	25,000	Few	18	8	3019

Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)
160	6,562	7,500	1,008

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

Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
21	E	13:37:00	13:45:00	00:08:00	16	1.4	
20	W	13:49:00	13:58:00	00:09:00	17	1.4	
19	E	14:01:00	14:10:00	00:09:00	16	1.5	
18	W	14:14:00	14:23:00	00:09:00	17	1.4	
17	E	14:26:00	14:35:00	00:09:00	16	1.4	
16	W	14:39:00	14:48:00	00:09:00	16	1.4	
15	E	14:51:00	14:59:00	00:08:00	18	1.1	
14	W	15:03:00	15:12:00	00:09:00	18	1.1	
13	E	15:16:00	15:24:00	00:08:00	16	1.2	
12	W	15:28:00	15:37:00	00:09:00	17	1.1	
11	E	15:41:00	15:50:00	00:09:00	17	1.1	
10	W	15:53:00	16:02:00	00:09:00	17	1.2	
9	E	16:06:00	16:15:00	00:09:00	15	1.3	
8	W	16:19:00	16:28:00	00:09:00	15	1.4	
7	E	16:32:00	16:40:00	00:08:00	15	1.4	
6	W	16:45:00	16:53:00	00:08:00	14	1.5	
5	E	16:56:00	17:05:00	00:09:00	14	1.4	
4	W	17:09:00	17:17:00	00:08:00	14	1.3	
3	E	17:21:00	17:29:00	00:08:00	16	1.3	
2	W	17:33:00	17:41:00	00:08:00	16	1.3	
1	E	17:45:00	17:53:00	00:08:00	15	1.4	

Verify S-Turns After Mission	Yes

Additional Comments