

# Woolpert Lidar Acquisition Log

Project Info						Date			
Project #	Project Name			Unique ID		Flight Date (UTC)	Day of Year	Flight #	
82378	AZ BLACK ROCK Lidar			Day277_90515_1		10/04/2021	277	1	
Crew		Equipment			Time			Airports	
Pilot	Aircraft Make / Model / Tail #			Hobbs Start	Local Start	UTC Start	Departing		
LaRocque	Cessna 404 Titan - N475RC			2565.2	09:44:00	16:44:00	KTUS		
Operator	Sensor Make / Model / Serial #			Hobbs End	Local End	UTC End	Arriving		
Fanning	Leica Terrain Mapper - 90515			2568.9	12:21:00	19:21:00	KTUS		
Conditions									
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)		
160	7	10	12,000	Scattered	26	7	30.07		
Air Speed (kts)		Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)					
150		6,998		2,643					
Settings									
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)				
	8	40	150	1580	100				
								Verify S-Turns Before Mission	Yes
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments		
1	NE	16:44:00	16:46:00	00:02:00	17	1.1	START BLACK ROCK Lidar		
2	SW	16:49:00	16:51:00	00:02:00	16	1.3			
3	NE	16:55:00	16:57:00	00:02:00	16	1.3			
4	SW	17:00:00	17:04:00	00:04:00	17	1.3			
5	NE	17:08:00	17:12:00	00:04:00	17	1.3			
6	SW	17:15:00	17:19:00	00:04:00	16	1.4			
7	NE	17:22:00	17:27:00	00:05:00	16	1.4			
8	SW	17:30:00	17:34:00	00:04:00	15	1.7			
9	NE	17:37:00	17:42:00	00:05:00	17	1.2			
10	SW	17:45:00	17:50:00	00:05:00	17	1.2			
11	NE	17:53:00	17:59:00	00:06:00	16	1.3			
12	SW	18:01:00	18:07:00	00:06:00	15	1.4			
13	NE	18:10:00	18:16:00	00:06:00	15	1.4			
14	SW	18:18:00	18:24:00	00:06:00	14	1.4			
15	NE	18:27:00	18:33:00	00:06:00	14	1.4			
16	SW	18:36:00	18:43:00	00:07:00	15	1.3			
17	NE	18:46:00	18:52:00	00:06:00	15	1.4			
18	SW	18:55:00	19:02:00	00:07:00	16	1.7			
19	NE	19:05:00	19:12:00	00:07:00	17	1.5			
20	SW	19:14:00	19:21:00	00:07:00	17	1.3	END BLACK ROCK Lidar		
								Verify S-Turns After Mission	Yes
Additional Comments									
5025GB WU: 09:09MST WD: 12:52MST ENOHD MODE DISABLED									





# Woolpert Lidar Acquisition Log

Project Info				Date		
Project #	Project Name	Unique ID	Flight Date (UTC)	Day of Year	Flight #	
82378	AZ BlackRock	Day280_90513	10/07/2021	280		

Crew	Equipment	Time			Airports
Pilot	Aircraft Make / Model / Tail #	Hobbs Start	Local Start	UTC Start	Departing
Connolly	Cessna 404 Titan - N7079F	3285.9	07:50:00	14:50:00	TUS
Operator	Sensor Make / Model / Serial #	Hobbs End	Local End	UTC End	Arriving
Denham	Leica Terrain Mapper - 90513	3291.5	01:55:00	20:55:00	TUS

Conditions							
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)
130	7	10		Clear	19	5	30.08
Air Speed (kts)	Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)				
150		10,000	2,643				

Settings					
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)	Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)
		40	150	1582	100

<b>Verify S-Turns Before Mission</b>	Yes
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Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments
40	SW	15:36:00	15:43:00		19	1.2	
41	NE	15:47:00	15:55:00		18	1.2	
42	SW	15:58:00	16:05:00	00:07:00	17	1.4	
43	NE	16:10:00	16:17:00	00:07:00	20	1.1	
44	SW	16:21:00	16:28:00	00:07:00	21	1.1	
45	NE	16:31:00	16:38:00	00:07:00	22	1	
46	SW	16:41:00	16:48:00	00:07:00	19	1.1	
47	NE	16:51:00	16:59:00	00:08:00	20	1.1	
48	SW	17:02:00	17:09:00	00:07:00	19	1.1	
49	NE	17:12:00	17:19:00	00:07:00	17	1.2	
50	SW	17:22:00	17:29:00	00:07:00	18	1.1	
51	NE	17:32:00	17:39:00	00:07:00	18	1.1	
52	SW	17:42:00	17:49:00	00:07:00	14	1.3	
53	NE	17:52:00	18:00:00	00:08:00	14	1.3	
54	SW	18:03:00	18:11:00	00:08:00	14	1.3	
66	NE	18:14:00	18:23:00	00:09:00	15	1.3	
67	SW	18:25:00	18:34:00	00:09:00	15	1.3	
68	NE	18:38:00	18:46:00	00:08:00	14	1.5	
69	SW	18:49:00	18:58:00	00:09:00	17	1.2	
70	NE	19:01:00	19:10:00	00:09:00	17	1.2	
71	SW	19:13:00	19:21:00	00:08:00	17	1.3	
72	NE	19:25:00	19:34:00	00:09:00	17	1.3	
73	SW	19:37:00	19:45:00	00:08:00	19	1.2	
74	NE	19:49:00	19:58:00	00:09:00	21	1	

<b>Page 1</b>	<b>Verify S-Turns After Mission</b>	Yes
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**Additional Comments**



# Woolpert Lidar Acquisition Log

Project Info						Date		
Project #	Project Name			Unique ID		Flight Date (UTC)	Day of Year	Flight #
82378	AZ Black Rock			Day281_90513		10/08/2021	281	
Crew		Equipment			Time			Airports
Pilot	Aircraft Make / Model / Tail #			Hobbs Start	Local Start	UTC Start	Departing	
Gebhart	Cessna 404 Titan - N7079F			3291.5	09:50:00	16:50:00	TUS	
Operator	Sensor Make / Model / Serial #			Hobbs End	Local End	UTC End	Arriving	
Denham	Leica Terrain Mapper - 90513			3296.8	03:36:00	22:36:00	TUS	
Conditions								
Wind Dir (°)	Wind Speed (kts)	Visibility (mi)	Ceiling (ft)	Cloud Cover	Temp. (°C)	Dew Point (°C)	Pressure ("Hg)	
150	7	10		Clear	22	3	30.09	
Air Speed (kts)		Altitude AGL (ft)	Altitude MSL (ft)	Airfield Elevation (ft)				
150			10,100	2,643				
Settings								
Point Spacing (m)	Point Density (ppsm)	Scan Angle/FOV (°)		Scan Frequency (Hz)	Pulse Rate (kHz)	Laser Power (%)		
		40		150	1582	100		
						Verify S-Turns Before Mission	Yes	
Line #	Direction	Start Time (UTC)	End Time (UTC)	Time On-Line	Satellite	PDOP	Line Notes/Comments	
126	NW	17:32:00	17:42:00		18	1.1		
125	SE	17:45:00	17:55:00		15	1.3		
124	NW	17:57:00	18:07:00	00:10:00	15	1.3		
123	SE	18:10:00	18:19:00	00:09:00	14	1.5		
122	NW	18:22:00	18:32:00	00:10:00	16	1.3	18:30 - Laser Safety Fault	
121	SE	18:35:00	18:44:00	00:09:00	15	1.5	Eye Mode Switched - NOHD	
120	NW	18:46:00	18:56:00	00:10:00	17	1.2	Eye Safe Off	
119	SE	18:59:00	19:08:00	00:09:00	18	1.2		
118	NW	19:10:00	19:20:00	00:10:00	18	1.2		
117	SE	19:23:00	19:33:00	00:10:00	18	1.3		
116	NW	19:36:00	19:46:00	00:10:00	20	1.2		
115	SE	19:49:00	19:59:00	00:10:00	22	1		
114	NW	20:01:00	20:12:00	00:11:00	19	1.2		
113	SE	20:15:00	20:25:00	00:10:00	21	1.1		
112	NW	20:28:00	20:38:00	00:10:00	21	1.2		
111	SE	20:41:00	20:52:00	00:11:00	22	1.1		
110	NW	20:54:00	21:02:00	00:08:00	20	1.3	MR 20:54, 20:56	
109	SE	21:07:00	21:17:00	00:10:00	20	1.3		
91	NW	21:25:00	21:27:00	00:02:00	20	1.4	Altitude 11,401	
92	SE	21:30:00	21:33:00	00:03:00	22	1.2		
93	NW	21:35:00	21:38:00	00:03:00	22	1.2		
94	SE	21:41:00	21:47:00	00:06:00	22	1.2		
95	NW	21:49:00	21:56:00	00:07:00	22	1.2		
						Page 1	Verify S-Turns After Mission	Yes
Additional Comments								
MR=Mount Roll								







