

Project Site Definition		
	Project Number	(61352 Kucera)
	Project Name	Ft Stewart
	Min/Max Ground Elevation	50-150'
	Flight Altitude AGL	5500'
	Geographic Location	Ft Stewart, GA
	Distance Units	Meters
	Coordinate System	UTM 17N
	Horizontal Datum	NAD83 - 2011
	Vertical Datum	NAVD88 – Geoid18
Optech Galaxy T2000		
	Scan FOV	28
	Flying Altitude AMSL	5600'
	Laser Pulse Rate (kHz)	1500
	Scan Rate (Hz)	110
	Laser Power %	HIGH/STD
Raw Laser Statistics		
	Swath Width	2750'
	Planned Sidelap	30%
	Average Point Density	15 points/sq meter
Flight Mission Data		
	Aircraft	PA-31 Piper Navajo Chieftain
	Date Flown	11/23/21, 03/13/22
	Number of Flight Lines	11 project lines plus a cross line
	Total Flight Line Miles	120
	Flight Speed	~150knots
	Base Station Type	Trimble RTX
	GPS/INS Notes	POSpac v8.7
Data Processing		
	New Boresight Calibration?	yes
	Boresight Calibration Date	One for each mission
	Minimum/Maximum Scan Angle Output	+/- 14 degrees
	Actual Scan Angle Output	full FOV
	Tile Layout Used	arbitrary, 750m square tiles
	Class 1	Unclassified
	Class 2	Ground
	Class 5	Vegetation
	Class 6	Building
	Class 7	Low Points
	Data Formats Created	LAS v1.4
	Data Formats Delivered to Client	Classified LAS by Flightline
	Processing Notes	minimal editing of buildings/veg/ground
Accuracy Results		
	Number of Control Points Used in Analysis	10
	Number of Control Points Eliminated from Original Set	0
	Reasons for Point Removal	N/A
	Average Elevation Variation	0.019
	Minimum Elevation Dz	-0.070
	Maximum Elevation Dz	0.173
	RMS	0.074
	Horizontal Accuracy	<1m