

PLSS GPS Observation Sheet

Project Name SL T21S R15E (Meridian Township Range)		Township 2 1		½ (2) N S	Range 1 5	½ (2) E W	Section		Meridian (SL) US																						
Contacts Name Lee M. Swasey		Source Agency JOHANSEN & TUTTLE ENGINEERING					Date 08/12/09																								
Contacts Phone (435) 381-2523																															
Control Station																															
Name CP-5		COR		HARN		TRI		Type <input checked="" type="radio"/> Other EMERY COUNTY			Accuracy Order																				
USGS Quad Name JESSIES TWIST, UTAH		Nad27		Nad83		Datum <input checked="" type="radio"/> Nad83 (1994)		WGS84		Local		State UTAH County EMERY																			
Latitude						Longitude																									
N	3	8	-	5	8	-	1	4	.	3	2	1	1	1	W	1	1	0	-	1	7	-	0	0	.	2	2	9	7	0	
Northing						Easting																									
6	7	9	6	1	6	9	.	2	5						1	9	8	6	3	2	3	.	6	4							
Units		Survey Foot		<input checked="" type="radio"/> International Foot		Meter		Coordinate Type			<input checked="" type="radio"/> State Plane		UTM																		
Zone		Utah North		<input checked="" type="radio"/> Utah Central		Utah South		Vertical Datum			NGVD29		<input checked="" type="radio"/> NAVD88																		
Ellipsoid Height		M		4272.73		FT		Geoid Height			M		4338.39		FT																
Base Receiver																															
Type TRIMBLE				Model 4000 SSI				Serial Number 3508A09833																							
Logging Interval 5 SEC.		Elevation Mask 13		PDOP Mask 6		Antenna Type L1/L2 w/GROUND PLANE																									
Start Time				AM		PM		End Time				AM		PM																	
Antenna Height																															
Session Beginning		1 st		M		2 nd		M		3 rd		M		Ave		4.76		FT													
Session End		1 st		M		2 nd		M		3 rd		M		Ave		M															
Rover Receiver																															
Type TRIMBLE				Model 5800				Serial Number 4616113795																							
Approximate Distance From Base Station				2.7		Miles		Antenna Type 5800 INTERNAL				Antenna Height 6.89FT																			
Station Observation																															
Observation Type		<input checked="" type="radio"/> RTK		FAST STATIC		STATIC		OTHER																							
First Observation																															
Station Name (M1)		2		0		0		6		0		0		Description NE Cor. Sec. 7																	
Occupation time		00:01:10		PDOP Best				RMS Best																							
Number of Measurements		60		PDOP Worst 11.77				RMS Worst 0.005M																							
Second Observation																															
Station Name (M2)		2		8		8		Description Check																							
Occupation time		00:00:02		PDOP Best				RMS Best																							
Number of Measurements		3		PDOP Worst 1.24				RMS Worst 0.002M																							
Inverse Distance Between M1 and M2				0.02		FT		Alternate Base Station Used				Yes		<input checked="" type="radio"/> No																	
Monument and Markings																															
Type / Size																															
Stone		Pipe/Cap				Post				Other																					
Size		Size 2inch/3 inch				Size				Size																					
Material		Material steel/brass				Material				Material																					

Sketch/Rubbing or Attach Photo of GPS Station Occupied
Show rotation of stampings/markings relative to North and describe briefly

See Emery County Land Survey
Record Sheet 2115200600