

PLSS GPS Observation Sheet

Project Name SL T21S R15E (Meridian Township Range)		Township 2 1		1/2 (2) N S	Range 1 5		1/2 (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 (Other) EMERY COUNTY		Accuracy																		
		USGS Quad Name JESSIES TWIST, UTAH		Datum Nad83 (1994)			WGS84		Local		State UTAH		Order																		
		Nad27		Nad83						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		International Foot		Meter		Coordinate Type				State Plane		UTM															
Zone		Utah North		Utah Central		Utah South		Vertical Datum				NGVD29		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				1.2		Miles		Antenna Type 5800 INTERNAL				Antenna Height 6.89FT																			
Station Observation																															
Observation Type		(RTK)		FAST STATIC		STATIC		OTHER																							
First Observation																															
Station Name (M1)		2 0 0 4 0 0		Description NE Cor. Sec. 19																											
Occupation time				00:00:29				PDOP Best		RMS Best																					
Number of Measurements				30				PDOP Worst 1.44		RMS Worst 0.003M																					
Second Observation																															
Station Name (M2)		3 0 7		Description Check																											
Occupation time				00:00:02				PDOP Best		RMS Best																					
Number of Measurements				3				PDOP Worst 2.83		RMS Worst 0.002M																					
Inverse Distance Between M1 and M2				0.01		FT		Alternate Base Station Used				Yes		(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 2115200400