

# PLSS GPS Observation Sheet

Project Name <b>SL T21S R15E</b> (Meridian Township Range)		Township <b>2 1</b>		½ (2) <b>N</b> <b>S</b>	Range <b>1 5</b>		½ (2) <b>E</b> <b>W</b>	Section		Meridian <b>(SL) US</b>				
Contacts Name <b>Lee M. Swasey</b>		Source Agency <b>JOHANSEN &amp; TUTTLE ENGINEERING</b>					Date <b>08/12/09</b>							
Contacts Phone <b>(435) 381-2523</b>														
<b>Control Station</b>														
Name <b>SALERATUS</b> USGS Quad Name <b>DESERT, UTAH</b>		COR			HARN			TRI			Type <b>(Other) EMERY COUNTY</b>		Accuracy Order	
		Nad27		Nad83		Datum <b>(Nad83 1994)</b>		WGS84		Local		State <b>UTAH</b> County <b>EMERY</b>		
Latitude						Longitude								
N 3 9 - 0 1 - 5 8 . 1 7 8 8 2						W 1 1 0 - 1 8 - 2 0 . 7 6 6 2 4								
Northing						Easting								
6 8 1 8 7 3 0 . 0 3						1 9 7 9 6 6 1 . 0 5								
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		4359.69		FT		Geoid Height		M		4424.54 FT		
<b>Base Receiver</b>														
Type <b>TRIMBLE</b>			Model <b>4000 SSI</b>			Serial Number <b>3508A09833</b>								
Logging Interval <b>5 SEC.</b>		Elevation Mask <b>13</b>		PDOP Mask <b>6</b>		Antenna Type <b>L1/L2 w/GROUND PLANE</b>								
Start Time			AM		PM		End Time			AM		PM		
Antenna Height														
Session Beginning		1 <sup>st</sup>		M		2 <sup>nd</sup>		M		3 <sup>rd</sup>		M		
Ave		4.41		FT										
Session End		1 <sup>st</sup>		M		2 <sup>nd</sup>		M		3 <sup>rd</sup>		M		
Ave														
<b>Rover Receiver</b>														
Type <b>TRIMBLE</b>			Model <b>5800</b>			Serial Number <b>4616113795</b>								
Approximate Distance From Base Station			0.2		Miles		Antenna Type <b>5800 INTERNAL</b>			Antenna Height <b>6.89FT</b>				
<b>Station Observation</b>														
Observation Type		(RTK)		FAST STATIC		STATIC		OTHER						
First Observation														
Station Name (M1)		2 0 0 7 0 0		Description <b>NE Cor. Sec. 6 CC</b>										
Occupation time		00:00:59		PDOP Best				RMS Best						
Number of Measurements		60		PDOP Worst 1.86				RMS Worst 0.002M						
Second Observation														
Station Name (M2)		2 0 8		Description <b>Check</b>										
Occupation time		00:00:02		PDOP Best				RMS Best						
Number of Measurements		3		PDOP Worst 1.87				RMS Worst 0.002M						
Inverse Distance Between M1 and M2			0.01		FT		Alternate Base Station Used			Yes		(No)		
<b>Monument and Markings</b>														
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 2115200700