

PLSS GPS Observation Sheet

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--------------------------|------------------------------|--------------------|---------------------|------------|---------------------------------|--|-----------------|-----------------------------------|------------------------------|---------------------|------------------------------------|--------|-----------|---|----|----|-----------|---|---|---|---|---|---|---|---|---|---|--|
| Project Name SL T21S R15E (Meridian Township Range) | | Township 2 1 | | 1/2 (2) S | N S | Range 1 5 | | 1/2 (2) E | 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 | | 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 | | 3 | | 0 | | 0 | | Description NE Cor. Sec. 30 | | | | | | | | | | | | | | | | | |
| Occupation time | | | | 00:01:06 | | | | PDOP Best | | | | RMS Best | | | | | | | | | | | | | | | | | | | |
| Number of Measurements | | | | 60 | | | | PDOP Worst | | | | 1.99 | | | | RMS Worst | | | | 0.002M | | | | | | | | | | | |
| Second Observation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Station Name (M2) | | 2 | | 9 | | 7 | | Description Check | | | | | | | | | | | | | | | | | | | | | | | |
| Occupation time | | | | 00:00:02 | | | | PDOP Best | | | | RMS Best | | | | | | | | | | | | | | | | | | | |
| Number of Measurements | | | | 3 | | | | PDOP Worst | | | | 1.99 | | | | RMS Worst | | | | 0.002M | | | | | | | | | | | |
| Inverse Distance Between M1 and M2 | | | | 0.04 | | | | 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 2115200300