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| **Incident Name:**  Helena Fire | **IR Interpreter(s):**  Brian Banks | **Local Dispatch Phone:**  530-226-2400 | **Interpreted Size:**  21,849  **Growth last period:**  1 Acre |
| **Flight Time:**  2041 PDT  **Flight Date:**  2017/10/26 | **Interpreter(s) location:**  Morrison, CO  **Interpreter(s) Phone:**  720-352-6793 | **GACC IR Liaison:**  Kyle Felker  **GACC IR Liaison Phone:**  530-251-6112 | **National Coordinator:**  Tom Mellin  **National Coord. Phone:**  505-842-3845 |
| **Ordered By:**  SHF | **A Number:**  130 | **Aircraft/Scanner System:**  N-144z/Phoenix | **Pilots/Techs:** N144Z Flight Crew Pilot: Johnson  Pilot: Nelson  Tech: Woody |
| **IRIN Comments on imagery:**  Perfect | | **Weather at time of flight:**  Clear | **Flight Objective:**  Heat perimeter and detection |
| **Date and Time Imagery Received by Interpreter:**  2017/10/26 @ 2100 MDT | | **Type of media for final product:**  Shapefile, KMZ, and GeoPDF  **Digital files sent to:**  http://ftp.nifc.gov/incident\_specific\_data/calif\_n/!2017%20FEDERAL\_Incidents/CA-SHF-001770\_Helena/IR/20171027 | |
| **Date and Time Products Delivered to Incident:**  2017/10/26 @ 2300 MDT Shapefiles  0015 Maps | |
| **Comments /notes on tonight’s mission and this interpretation:**  **IR Flight Box**:  **Starting Perimeter** was created from *20171025\_Helena\_HeatPerimeter*  ***Heat Perimeter***: 1 acre of growth.  ***Intense*** ***Heat:***  No intense heat detected.  ***Isolated Heat***: Isolated heat sources and pockets of isolated heat detected in the perimeter. I created an attribute in the isolated heat layer called **300’ Buff** which identifies all points within a 300 foot buffer from the perimeter edge. These points are displayed on the map in blue and labeled with coordinates in Decimal Degrees.  ***Scattered Heat***: Normally I would use scattered heat to display the observed heat in Gwin Gulch. Instead I used isolated heat to give a more accurate representation of conditions. | | | |