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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 CrewPilot: JohnsonPilot: NelsonTech: 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 Shapefiles0015 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. |