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| **Incident Name:**  Helena Fire | **IR Interpreter(s):**  Brian Banks | **Local Dispatch Phone:**  530-226-2400 | **Interpreted Size:**  21,848  **Growth last period:**  2 Acres |
| **Flight Time:**  2047 PDT  **Flight Date:**  2017/10/24 | **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:**  129 | **Aircraft/Scanner System:**  N-144z/Phoenix | **Pilots/Techs:** N144Z Flight Crew Pilot: Johnson  Pilot: Nelson  Tech: Woody |
| **IRIN Comments on imagery:**  There were no issues with the imagery | | **Weather at time of flight:**  Clear | **Flight Objective:**  Heat perimeter and detection |
| **Date and Time Imagery Received by Interpreter:**  2017/10/24 @ 2337 PDT | | **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/20171025 | |
| **Date and Time Products Delivered to Incident:**  2017/10/23 @ 0230 PDT Shapefiles  0315 Maps | |
| **Comments /notes on tonight’s mission and this interpretation:**  **IR Flight Box**: is adequate to capture growth  **Starting Perimeter** was created from *20171023\_Helena\_HeatPerimeter*  ***Heat Perimeter***: No significant change.  ***Intense*** ***Heat:***  No intense heat detected.  ***Isolated Heat***: Isolated heat pockets detected on the north and central parts of the perimeter. There are 2 isolated heat sources on the south end of the perimeter that are near development that may be unnatural heat.  ***Scattered Heat***: Scattered heat detected in the central section of the perimeter where it narrows down. | | | |