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| **Incident Name:**  BEAR INCIDENT  CA-CZU-007822 | **IR Interpreter(s):**  Kurt Teuber  kteuber@att.net | **Local Dispatch Phone:**  831-335-5076  Felton | **Interpreted Size:**  289.5 acres  **Growth last period:**  N/A – First mapping |
| **Flight Time:**  0014 PDT  **Flight Date:**  10/18/2017 | **Interpreter(s) location:**  South Lake Tahoe, CA  **Interpreter(s) Phone:**  530-386-0685 | **GACC IR Liaison:**  Kyle Felker  **GACC IR Liaison Phone:**  530-251-6112 | **National Coordinator:**  Tom Mellin  **National Coord. Phone:**  505-301-8167 |
| **Ordered By:**  CZU 951-675-2186 | **A Number:**  A-28 | **Aircraft/Scanner System:**  N144Z/Phoenix | **Pilots/Techs:**  Pilots: Johnson, Nelson  Tech: Kaz |
| **IRIN Comments on imagery:**  Good, clear imagery. One strip N-S. Some haloing effect and false trip pixels around intense heat areas. | | **Weather at time of flight:**  Clear | **Flight Objective:**  Heat detection & mapping |
| **Date and Time Imagery Received by Interpreter:**  10/18/2017 @ 0027 PDT | | **Type of media for final product:**  PDF Maps, shapefiles, Word doc (this log), kmz.  **Digital files sent to:**  **FTP:** http:/ftp.nifc.gov/incident\_specific\_data/calif\_n/!CALFIRE/2017\_Incidents/CA-CZU-007822\_Bear/IR/20171018  **Email:** [Jeff.windham@fire.ca.gov](mailto:Jeff.windham@fire.ca.gov) | |
| **Date and Time Products Delivered to Incident:**  10/18/2017 @ 0200 PDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  This was the first infrared mapping of this fire. There was no preliminary perimeter to start from, so I digitized the heat perimeter using the heat signatures in the imagery.  The fire is straddling the ridgeline above the confluence of Bear Creek and Deer Creek. The hottest part of the fire is along the northwestern flank, just above Deer Creek. The northern half of the fire is dominated by intense heat, while the southeastern flank above Bear Creek is mainly scattered heat.  There was an intense heat plume rising off the western and northern perimeter at the time of the imagery, creating some false heat trips. Two isolated heat sources were mapped just outside the northwest corner of the fire and should be field verified. These points were labeled with Lat/Long coordinates on the maps.  Please let me know if there are any questions, suggestions, or requests regarding the IR products.  Kurt Teuber (IRIN)  530-386-0685  kteuber@att.net | | | |