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| **Incident Name:**  BUCK FIRE  CA-SHF-001850 | **IR Interpreter(s):**  Kurt Teuber  kteuber@att.net | **Local Dispatch Phone:**  RICC (530) 226-2400 | **Interpreted Size:**  13,372 acres  **Growth last period:**  23 acres (since last mapping) |
| **Flight Time:**  2152 PDT  **Flight Date:**  10/21/2017 | **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:**  Jim Grace  **National Coord. Phone:**  541-771-4521 |
| **Ordered By:**  Glen Tingley  530-768-4785 | **A Number:**  A-122 | **Aircraft/Scanner System:**  N-144Z/Phoenix | **Pilots/Techs:**  Pilots: Boyce, Nelson  Tech: Jill Kuenzi |
| **IRIN Comments on imagery:**  Good imagery. Two strips, E-W. | | **Weather at time of flight:**  Cloudy | **Flight Objective:**  Heat detection and mapping |
| **Date and Time Imagery Received by Interpreter:**  10/21/2017 @ 2210 PDT | | **Type of media for final product:**  GeoPDF maps, Zipped Shapefiles, IR Log file, KMZ file.  **Digital files sent to:**  <http://ftp.nifc.gov/incident_specific_data/calif_n/!2017%20FEDERAL_Incidents/CA-SHF-001850_Buck/IR/20171022> | |
| **Date and Time Products Delivered to Incident:**  10/22/2017 @ 0040 PDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  This was the first infrared mapping since 10/18/2017, 3 nights earlier. I began mapping using the latest perimeter from the incident (2017\_Buck\_CASHF1850\_20171019.gdb). Updates to the perimeter were made only where detected heat had moved beyond the previously mapped perimeter.  The fire was heavily cloud-covered tonight, probably about 75% obscured. There were some minor edits to the perimeter along the eastern edge near North Yolla Bolly Lake. Some scattered heat was detected in this area also. A number of isolated heat sources, and a small polygon of scattered heat, were found in the eastern half of the fire (the most visible portion of the imagery). A few more hot spots were found in the southwest corner of the perimeter, but a large area on the western half of the fire was covered by clouds which probably obscured additional heat sources. I would recommend another flight under better weather conditions to get a better mapping of the actual heat remaining on the ground.  Three hot spots were located just outside the perimeter and labelled with Lat/Long coordinates. Two of these (White Rock Campground and Penny Ridge) may not be fire-related, but one point in Cedar Basin is likely a spot.  Please let me know if there are any questions, comments or requests for additional IR products. I appreciate any feedback.  Thank you,  Kurt Teuber (IRIN)  530-386-0685  kteuber@att.net | | | |