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| **Incident Name:**CA-BTU-009205 | **IR Interpreter(s):**Lance R. Brady | **Local Dispatch Phone:**Susanville ECC | **Interpreted Size:** 963,184**Growth last period:**2 acres |
| **Flight Time:** 1906PDT**Flight Date:** Sept 20, 2021 | **Interpreter(s) location:**Lakewood, Colorado**Interpreter(s) Phone:**928-965-4345 | **GACC IR Liaison:**Kyle Felker**GACC IR Liaison Phone:**530-251-6112 | **National Coordinator:**Tom Mellin**National Coord. Phone:****801-975-3762** |
| **Ordered By:**Mark Lemonsierrasitunit@gmail.com | **A Number:**A-20310 | **Aircraft/Scanner System:**Tenax  | **Pilots/Techs:**Elizabeth |
| **IRIN Comments on imagery:**Clear imagery, 2 scan boxes, One Northwest scan box and one Southeast scan box.  | **Weather at time of flight:**Clear | **Flight Objective:**Shapefiles, GDB, KMZ files, Maps |
| **Date and Time Imagery Received by Interpreter:**2230 PDT Sept 20 2021 | **Type of media for final product:**Shapefiles, GDB, KMZ files, maps, IRIN log, NIFS**Digital files sent to:**/incident\_specific\_data/calif\_n/!CALFIRE/!2021\_Incidents/CA-BTU-009205\_Dixie/IR/NIROPS/20210921 |
| **Date and Time Products Delivered to Incident:**0300 PDT Sept 21, 2021 |
| **Comments /notes on tonight’s mission and this interpretation:**Tonight’s infrared interpretation is based on the Wildfire Daily Perimeter from NIFS Feature Service obtained at 1900 PDT.  There were nine flight lines concentrated over two specific areas of the Dixie Fire; the northwest (four flight lines) and southeast (five flight lines) covering the active perimeter. Minor growth with areas within the interior islands continues to burn. Pockets of scattered heat was observed in the northwest perimeter and a few in the southeastern scan box. Trying to use more scattered heat to eliminate the thousands of isolated heat sources. Verification of isolated heat sources outside of the main incident perimeter in the southeastern scan box, southeast of main fire perimeter is advised. Two northern scan lines in the southeastern scan box had issues and possibly not picking up all heat. Tenax IR scanner is more sensitive and some heat sources could be false indications of heat from natural heat sources like rocks or hot springs. Due to incident being flown early in the evening, western facing slopes have residual day time heating and there could be heat located on these slopes but cannot discriminate due to background residual heat. Acreage calculation was based on UTM NAD1983 zone 10N. At request of the incident acreage is left off of the map products.All products posted to NIFS and ftp site per SITL. |