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| **Incident Name:**  Castle SQF Complex  Incident #:  CA-SQF-002541 | **IR Interpreter(s):**  Cameron Rodriguez | **Local Dispatch Phone:**  559-781-5780 | **Interpreted Size:** 179957.92 acres  **Growth last period:**  123 \* Acres ( Please read IRIN Comments on Imagery) |
| **Flight Time:**  2300 PST  **Flight Date:**  20201104 | **Interpreter(s) location:**  Columbia. CA  **Interpreter(s) Phone:**  619-922-9561 | **GACC IR Liaison:**  Kyle Felker  **GACC IR Liaison Phone:**  530-251-6112 | **National Coordinator:**  Tom Mellin  **Phone:**  505-842-3845 |
| **Ordered By:**  Situation (218-235-8985) | **A Number:**  A-623 | **Aircraft/Scanner System:**  N77HS /TK-7 | **Pilots/Techs:**  Lauren White  Cameron Rodriguez |
| **IRIN Comments on imagery:**  Our payload had issues with onboard processing system and processing captured imagery on this last fire for the night. The imagery displayed completely black in 16 bit LWIR and in other colors when I used 8 bit processing. I had help from a co-worker processing .KML tiles. The only tile I could get to load in google earth was a tile over the rattle snake and Castle in the North East. The data was only good enough to show a rough estimate of where the fire has grown. I was not able to use any type of Symbology tool in google earth, like I would be able to in ARC GIS. The imagery is only interpretable to a certain point that I could not interpret Scattered heat from intense heat. I did the best I could without changing the perimeter to much. | | **Weather at time of flight:**  Clear | **Flight Objective:**  Map heat perimeter, intense, scattered, and isolated heat |
| **Date and Time Imagery Received by Interpreter:**  20201104 2300 PST | | **Type of media for final product:**  Shapefiles, KMZ files, maps, IRIN log  **Digital files sent to NIFC ftp**  **Emailed to:**  edward.apalinski@dep.nj.gov mark\_campbell@firenet.gov | |
| **Date and Time Products Delivered to Incident:**  20201105 0345 PST | |
| **Comments /notes on tonight’s mission and this interpretation:**  **We flew the Southern half of the Rattlesnake fire, and then we flew the entire Castle fire. Fire growth was more than the previous day. The SQF grew in the North, and the Rattlesnake more to the South and West. The tips of two fires overlap, they are moving slowly alongside of each other, and are possibly headed for each other. The upper Western side of the Castle fire is showing movement to the East. Heat Perimeter from 20201104 NIROPS products and updated perimeter were used to generate tonight’s NIROPS products.** | | | |