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| **Incident Name:**  National Creek Complex | **IR Interpreter(s):**  Chad Horman | **Local Dispatch Phone:**  541-618-2505 | **Interpreted Size:**  Complex Total - 5,136 acres  Crescent Fire – 5,016 acres  National Fire – 120 acres  **Growth last period:**  Complex Total – 338 acres  Crescent Fire – 338 acres  National Fire – 0 acre |
| **Flight Time:**  2331 PDT  **Flight Date:**  8/15/15 | **Interpreter(s) location:**  Cedar City, Utah  **Interpreter(s) Phone:**  C – (435) 865-3731 Office  C – (435) 590-6088 Cell  chorman@fs.fed.us | **GACC IR Liaison:**  Jim Grace  **GACC IR Liaison Phone:**  541-771-4521 | **National Coordinator:**  Tom Mellin  **National Coord. Phone:**  208-387-5381  208-870-5066 (cell) |
| **Ordered By:**  Chris Buhrig | **A Number:**  A-38 | **Aircraft/Scanner System:**  N144Z/Phoenix | **Pilots/Techs:**  Johnson/Lowery/Kuenzi |
| **IRIN Comments on imagery:**  Orthorectification is off about 200 ft. to the south. Used Lake West and the highway as reference points. Imagery clear. | | **Weather at time of flight:**  Clear | **Flight Objective:**  Map Heat Perimeter, Intense Heat, Scattered Heat and Isolated Heat. |
| **Date and Time Imagery Received by Interpreter:**  8/16/15 @ 0036 MDT | | **Type of media for final product:**  Shapefiles (.zip), pdf maps x 3, IRIN log, KMZ file  **Digital files sent to:**  ftp://ftp.nifc.gov/incident\_specific\_data/pacific\_nw/2015\_Incidents\_Oregon/NationalCrkComplex/IR/20150816 | |
| **Date and Time Products Delivered to Incident:**  8/16/15 @ 0315 MDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  Started with previous night’s (8/15/15) IR perimeter. The orthorectification of the imagery was off by about 200 ft. to the south. Meaning that images on the scan were 200 ft south of the same reference point on naip and topo maps. I used the highway and Lake West as reference points. To correct for the shift, I started with a copy of the perimeter from the previous night and selected all features and shifted them down so that the polygon lined up with the highway and Lake West. This was possible because the perimeter the previous evening had been drawn off of them and the orthorectification was accurate last night. I then mapped heat perimeter, intense, scattered and isolated heat to what was shown on the imagery using the shifted polygon. I then selected all features and shifted them back to match perimeter markers on the original version of last night’s imagery. I believe this allowed me to accurately map the heat from the imagery in order to get true perimeter growth and end up with a perimeter that is accurately lined up with known features.  Given the size of the burnout operation to the west, suggest increasing the scan box one degree to the north and east.  Crescent – Limited amounts of perimeter growth. Main areas of growth along east flank at the north, center and south portions. Spot fires occurring in these areas. Pockets of intense heat along those areas of growth. Less scattered heat in the interior and now more isolated heat sources. On the west side scattered heat above and below FR473.  National – Continues to cool, with two isolated heat sources observed. No perimeter growth. | | | |