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| **Incident Name:**  Beaver Creek  CO-RTF-000088 | **IR Interpreter(s):**  Elise Bowne | **Local Dispatch Phone:**  970-826-5037  Craig Dispatch | **Interpreted Size:**  22,294 Acres  **Growth last period:**  430 Acres |
| **Flight Time:**  2246 Hours MDT  **Flight Date:**  July 15, 2016 | **Interpreter(s) location:**  Lakewood, CO  **Interpreter(s) Phone:**  303-517-7510 | **GACC IR Liaison:**  Melinda McGann  **GACC IR Liaison Phone:**  303-275-5211 | **National Coordinator:**    **National Coord. Phone:** |
| **Ordered By:**  Bruce Farrell | **A Number:**  85 | **Aircraft/Scanner System:**  N149Z/Phoenix | **Pilots/Techs:**  Netcher/Lowery/Kuenzi |
| **IRIN Comments on imagery:**  Moisture and high clouds over much of the imagery, and the orthorectification was off again. | | **Weather at time of flight:**  Moisture in air | **Flight Objective:**  Map heat perimeter and heat |
| **Date and Time Imagery Received by Interpreter:**  July 15, 2016 @ 2315 hours MDT | | **Type of media for final product:**  Shapefiles (5), 2 Maps, IR Log and KMZ  **Digital files sent to:**  http://ftp.nifc.gov/Incident\_Specific\_Data/Rocky\_Mtn/2016/BeaverCreek/20160716/IR | |
| **Date and Time Products Delivered to Incident:**  July 16, 2016 @ 0345 hours MDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  The orthorectification of the imagery was off by quite a bit, between 20 to 40 meters, mostly east and west, but also a bit north and south.  Tonight, there were high clouds which interfered with detection of the heat on the ground. The clouds have been mapped and while intense heat appeared to be visible through the clouds, it is likely there was more heat on the ground than detected and mapped, as water (clouds) absorbs infrared radiation.  There was heat perimeter growth on the southwest, to the northwest, to the east and a bit along the south edge of the fire.  The largest area of growth was to the east, approaching Waldron Ranch, Threemile Reservoir and the Sugar Loaf hill in the Spring Creek drainage, around sections 1, 2, and 36. There are several large “islands” near there that did not appear to have burned, so they were left out of the heat perimeter. South from there, on the SE part of the perimeter, there were small amounts of growth and a spot with intense heat in SE corner of section 11, in the upper reaches of the Threemile Creek drainage.  To the SW there was heat perimeter growth in the Republic Creek drainage with lots of isolated heat areas in the upper part of the unburned island. There were also a number of heat sources to the SW of the Republic Creek drainage on the east side of the drainage in section 23 that feeds into the North Platte River. To the east of Big Creek lakes intense heat was detected in section 22 along the saddle. On the west side there is continued perimeter growth into the Mt Zirkel Wilderness just west of Big Creek Lakes. The next area of growth is to the north, west of Beaver Creek and Road 681.  Further north, there is heat perimeter growth just south of the Wyoming border and also in Wyoming where the heat perimeter grew to the west into the Casteel Creek drainage, section 16. That are had pretty thick cloud cover, so there may have been more heat than what is mapped. The rest of the heat perimeter either had small amounts of growth or was quiet with little heat. Questions/Comments – contact Elise Bowne at 303-517-7510 | | | |