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| **Incident Name:**  416 Fire  CO-SJF-000416 | **IR Interpreter:**  Bob Brantlinger  rbrantlinger@fs.fed.us | **Local Dispatch Phone:**  Durango  970-385-1324 | **Interpreted Size:**  34,161Acres  **Growth last period:**  1,202 Acres  (From Incident perimeter dated 20180615\_2100) |
| **Flight Time:**  2155 MDT  **Flight Date:**  06/15/2018 | **Interpreter(s) location:**  Durango, CO  **Interpreter(s) Phone:**  970-769-6551 | **GACC IR Liaison:**  Elise Bowne  **GACC IR Liaison Phone:**  303-275-5209 | **National Coordinator:**  Tom Mellin  **National Coord. Phone:**  505-301-8167 |
| **Ordered By:**  Cody Wienk, SITL | **A Number:**  A-129 | **Aircraft/Scanner System:**  N149Z/Phoenix | **Pilots/Techs:**  Dan/Ed/Josh |
| **IRIN Comments on imagery:**  Clouds in center of Scans, 3 runs north to south. Good registration. | | **Weather at time of flight:**  Cloudy | **Flight Objective:**  Map Heat perimeter and heat sources |
| **Date and Time Imagery Received by Interpreter:**  06/15/2018 2230 MDT | | **Type of media for final product:**  Shapefiles, PDF maps, IR Log and KMZ file.  **Digital files sent to:**  ftp.nifc.gov/incident\_specific\_data/rocky\_mtn/2018/416/IR/20180616 and emailed to [cody\_wienk@nps.gov](mailto:cody_wienk@nps.gov) and [walker\_feigal-henry@contractor.nps.gov](mailto:walker_feigal-henry@contractor.nps.gov) | |
| **Date and Time Products Delivered to Incident:**  06/15/2018 0200 MDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  Northwestern area of fire was covered with varied light and heavy clouds so IR was muted and had some false heat hits and areas were the heat was not recorded due to clouds. Clouds absorb IR signals and resolution is dependent on moisture content and intensity. Was able to interpret Heat perimeter effectively.  Interpretation was started from latest polygon provided by the fire on the FTP site dated 6/15/2018 -2100. 32,959 Acres.  End: 34,161 Acres  Start: 32,959 Acres  Growth: 1,202 Acres (From Incident perimeter).  All of perimeter growth was along the Western perimeter on the ridges of drainages west of Hermosa creek, north to Salt Creek. This area contained Intense heat in the new growth areas with Scattered heat behind.  Intense heat along the western perimeter on the north and south of ridges of Buck, No Buck, Clear and South Fork Hermosa Creek, South and North Hope Creeks.  Mostly Scattered heat along the Southwest heat perimeter in the Falls Creek area, little perimeter growth in this area.  Scattered Heat – On the western perimeter behind Intense heat. Large area in the south Fork of Hermosa creek.  The fire remains mostly cool on its eastern flank with isolated heat inside perimeter.  Isolated Heat Sources – Many throughout the interior behind intense and scattered heat. Lat/Long was added to the shapefile attribute table for all isolated heat points. All maps are georeferenced for use in Avenza and other apps. | | | |
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