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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:**  0 Acres |
| **Flight Time:**  2145 MDT  **Flight Date:**  06/17/2018 | **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-133 | **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:**  06/17/2018 2215 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/20180618 | |
| **Date and Time Products Delivered to Incident:**  06/18/2018 0015 MDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  Scattered areas 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. There was also ground fog which hampered interpretation. Put Cloud location of PDF maps.  Interpretation was started from latest polygon provided by the fire on the FTP site dated 6/16/2018 -2100. 34,161 Acres.  End: 34,161 Acres  Start: 34,161 Acres  Growth: 0 Acres (From Incident perimeter).  Only Isolated Heat was visible in the scans. There were 2 isolated heat sources outside perimeter, north of Clear creek and South of South Fork Hermosa Creek, within ¼ mile of perimeter, but no heat behind then to connect to perimeter. There were some light heat signals on scans in northwest corner of fire but did not trigger scan heat sensor.  Intense Heat – No Intense heat on scans  Scattered Heat – No Scattered heat on scans  Isolated Heat Sources – Throughout the interior and 2 noted above. 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. | | | |