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| **Incident Name:**Divide Complex-MT-HLF-005079 | **IR Interpreter(s):**Chad Hormanchad.horman@usda.gov  | **Local Dispatch Phone:**Great Falls Dispatch (406-731-5300) | **Interpreted Size (Acres):**Total 9,579 AcresEllis 1,227 AcresBalsinger 8,352 Acres**Growth last period** Total 166 Acres Ellis Not mappedBalsinger 166 Acres |
| **Flight Time:** 1910 MDT**Flight Date:**7/28/21 | **Interpreter(s) location:**Cedar City, UT**Interpreter(s) Phone:**435-592-5175 | **GACC IR Liaison:** Tim Stauffer**GACC IR Liaison Phone:** 406-529-6366 | **National Coordinator:**Tom Mellin**National Coord. Phone:**505-301-8167 |
| **Ordered By:**MT-HNF Dispatch406-223-5799 | **A Number:**A-81 | **Aircraft/Scanner System:**N350FV Tenax | **Pilots/Techs:**Pierce |
| **IRIN Comments on imagery:**Imager was very hard to read. Believe that there was cloud cover that was masking heat and clarity of the image. Where the passes overlapped there was more heat observed in Pass 2. I was only able to check orthorectification on the bottom right quarter of Pass 2 imagery. Orthorectification appeared good. The stitching between scans was obvious. There was no imager of Ellis Fire. | **Weather at time of flight**Cloudy | **Flight Objective:**Map heat perimeter, intense, scattered, and isolated heat |
| **Date and Time Imagery Received by Interpreter:** 7/28/21 @ 1936 MDT | **Type of media for final product:** GDB, shapefiles, pdf maps, IR log, KMZ **Digital files sent to:**   **incident\_specific\_data/n\_rockies/2021\_fires/2021\_DivideComplex/IR/20210729** |
| **Date and Time Products Delivered to Incident:**7/29/21 @ 0015 MDT |
| **Comments /notes on tonight’s mission and this interpretation:*** Started perimeters from NIFC. Used the polygon from Divide\_Complex wildfire daily perimeter. For Balsinger used wildfire daily perimeter from Balsinger (Divide Complex).
* Imagery was not clear and difficult to interpret. Appeared to be affected by cloud cover. Also, the fact that different strips were slightly different shades and the stitching between images was apparent.
* Overall, there was very little change in observed perimeter growth. The heat was mapped as observed but suspect that it was muted so not as much heat was observed as was observed two days ago.

**Ellis Fire*** No update on this fire. No imagery was received.

**Balsinger Fire** * Limited perimeter growth. On the south flank the perimeter expanded by about 0.45 x 0.45 miles. There was a small amount of expansion on the northern most tip.
* No perimeter movement observed towards Butte Park.
* The largest interior unburned island on the east side has mostly burned over.
* The areas of perimeter growth do have intense heat.
* There is a lot less interior heat compared to the last flight two days ago.
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