|  |  |  |  |
| --- | --- | --- | --- |
| **Incident Name:**  Sidney  MT-HLF-005210 | **IR Interpreter(s):**  Elise Bowne  elise.bowne@usda.gov | **Local Dispatch Phone:**  Great Falls Dispatch  406-731-5300 | **Interpreted Size:**  198 Acres  **Growth last period:**  137 Acres |
| **Flight Time:**  2218 MDT  **Flight Date:**  8/16/2023 | **Interpreter(s) location:**  Denver, CO  **Interpreter(s) Phone:**  303-517-7510 | **GACC IR Liaison:**  Jen Frazer  **GACC IR Liaison Phone:**  203-695-1207 (cell) | **National Coordinator:**  Kat Sorenson  **National Coord. Phone:**  406-499-2701 |
| **Ordered By:**  Rocky Mountain Ranger District | **A Number:**  A-Unknown | **Aircraft/Scanner System:**  N350SM/TK9 | **Pilots/Techs:**  Tech: Kris |
| **IRIN Comments on imagery:**  One pass, orthorectification was not good | | **Weather at time of flight:**  Clear | **Flight Objective:**  IR heat perimeter and heat sources |
| **Date and Time Imagery Received by Interpreter:**  8/17/2023 0600 MDT | | **Type of media for final product:**  IRIN Daily Log, Shapefiles, File Geodatabase, KMZ, PDF Maps  **Digital files sent to:**  <https://ftp.wildfire.gov/public/incident_specific_data/n_rockies/2023_Fires/2023_Sidney/IR/20230817> | |
| **Date and Time Products Delivered to Incident:**  Sent to NIFS: 8/17/2023 0713 MDT  Upload to ftp: 8/17/2023 0745 MDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  I began interpretation with the NIFS perimeter downloaded at 0600 MDT on 8/17/2023. When comparing the perimeter in NIFS from the incident to tonight’s imagery, it didn’t appear that the heat had moved as far to the south as the perimeter from the incident showed. I decided to use the perimeter from the last IR flight on 8/14 and adapt and update from there. ‘  The heat has quite a way to the east, with multiple isolated areas of heat. There is one larger isolated area that is on the other side of the valley and the first Management Action Point. It may have spread from Sidney and the spot has grown a bit, or it maybe an entirely different fire.  With the isolate areas of heat, either the area has a lot of fine fuels and the heat marked is just the area that retains heat, or they could just be spots, where the vegetation between is very light and could have burned and cooled off.  In several places there were “possible” heat sources marked. They were not as hot as open flame would be, but the areas showed a difference between the IR scan from two nights before, so something had change. Often it is a smoldering area under a canopy that causes something to show up like this.  Questions? Please contact the interpreter using the information above. | | | |