

## INFRARED INTERPRETER'S DAILY LOG

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| <b>Incident Name:</b><br>HARRIS MOUNTAIN<br>MT-LG02-000351  | <b>IR Interpreter(s):</b><br>Cheron Ferland/Veronica Lopez<br>(T)                                 | <b>Local Dispatch Phone:</b><br>Helena<br>(406-449-5475)  | <b>Interpreted Size:</b><br>25,321 Acres<br><br><b>Growth last period:</b><br>781 Acres (Increase from GIS<br>Perimeter) |
| <b>Flight Time:</b><br>1855 MDT<br><br><b>Flight Date:</b><br>July 28, 2021   | <b>Interpreter(s) location:</b><br>Duluth, MN<br><br><b>Interpreter(s) Phone:</b><br>541-654-1122 | <b>GACC IR Liaison:</b><br>Tim Stauffer<br><br><b>GACC IR Liaison Phone:</b><br>406-449-5475  | <b>National Coordinator:</b><br>Tom Mellin<br><br><b>National Coord. Phone:</b><br>505-842-3845                          |
| <b>Ordered By:</b><br>Kate Renwick  | <b>A Number:</b><br>47  | <b>Aircraft/Scanner System:</b><br>N350FV/Tenax TK9   | <b>Pilots/Techs:</b><br>IR Tech: Pierce  |
| <b>IRIN Comments on imagery:</b><br>Imagery had numerous orthorectification issues as well as some cloud cover impedance The cloud cover was only in a small portion of the northern most run which did not overlap the main heat perimeter; 2 Runs/Passes – North/South  |   | <b>Weather at time of flight:</b><br>Partly Cloudy  | <b>Flight Objective:</b><br>Map Heat Perimeter, Intense Heat, Scattered Heat, and Isolated Heat                          |
| <b>Date and Time Imagery Received by Interpreter:</b>   |   | <b>Type of media for final product:</b><br>PDF Maps, Geodatabase/Shapefiles, KMZ, IRIN Log  |  |
| <b>Date and Time Products Delivered to Incident:</b>  |   | <b>Digital files:</b><br>Posted to: <ul style="list-style-type: none"> <li>• ftp.wildfire.gov/incident_specific_data/</li> <li>• NIFS</li> </ul> Emailed to: <ul style="list-style-type: none"> <li>• No one</li> </ul> |  |
| <b>Comments / notes on tonight's mission and this interpretation:</b><br><br>I began mapping from the most recent NIFS perimeter. I had to orthorectify on the fly in many portions of the IR Data (both passes). There were also three polygons within the southern half of the main GIS perimeter (in sections 36 and 31) which I pulled from NIFS that implied they were unburned and I am not certain that is correct (See "GIS Perimeter" outline).<br><br>The fire size increased by 781 acres from yesterday's GIS perimeter (which differed quite a bit from the previous IR/Heat perimeter). There were small pockets of intense heat on the heat perimeter in several locations, as well as intense heat pockets within the fire interior.<br><br>There was abundant scattered and isolated interior heat.<br><br>There was abundant <b>exterior</b> isolated heat, particularly on the eastern half of the fire, which is probably a result of light, flashy fuels. Some of the exterior, isolated heat was 0.5 miles from the heat perimeter which can occur in front of an intense heat front but not in this case which is why I assume the effect is from missing a night of IR (UTF due to weather last night) combined with flashy fuels. IR scans only detect heat at the moment the scan occurs. |   |   |  |