

## INFRARED INTERPRETER'S DAILY LOG

<b>Incident Name:</b> Spring Creek CO-CTX-001266	<b>IR Interpreter(s):</b> Elise Bowne	<b>Local Dispatch Phone:</b> 719-553-1600 Pueblo Dispatch	<b>Interpreted Size:</b> NA <b>Growth last period:</b> NA
<b>Flight Time:</b> 0144 Hours MDT	<b>Interpreter(s) location:</b> Lakewood, CO	<b>GACC IR Liaison:</b> Elise Bowne	<b>National Coordinator:</b>
<b>Flight Date:</b> July 1, 2018	<b>Interpreter(s) Phone:</b> 303-517-7510	<b>GACC IR Liaison Phone:</b> 303-275-5209	<b>National Coord. Phone:</b>
<b>Ordered By:</b> SITL	<b>A Number:</b> 60	<b>Aircraft/Scanner</b> <b>System:</b> N149Z/Phoenix	<b>Pilots/Techs:</b> Johnson/Boyce/Mann
<b>IRIN Comments on imagery:</b> Very little usable imagery tonight, due to clouds and lack of coverage. Lots of distortion near Mount Maestas		<b>Weather at time of flight:</b> Cloudy	<b>Flight Objective:</b> Map heat perimeter and heat
<b>Date and Time Imagery Received by Interpreter:</b> July 01, 2018 @ 0215 hours MDT		<b>Type of media for final product:</b> Shapefiles (4), Map, IR Log and KMZ	
<b>Date and Time Products Delivered to Incident:</b> July 01, 2018 @ 0500 hours MDT		<b>Digital files sent to:</b> <a href="https://ftp.nifc.gov/public/incident_specific_data/rocky_mtn/2018/SpringCreek/IR/20180701/">https://ftp.nifc.gov/public/incident_specific_data/rocky_mtn/2018/SpringCreek/IR/20180701/</a> copy and paste into browser	

### Comments / notes on tonight's mission and this interpretation

Tonight's IR mission was UTF'd for weather by the flight crew. They did not fly the entire box because they said it was solid clouds. They did provide the data that was collected. Since clouds/water vapor absorb Infrared radiation, there was very little heat showing through the clouds. There were a few areas that were cloud free at flight time. The areas of no data were mapped, along with the areas covered by clouds. This gives the viewer/user an idea of where the data is actually valid – in those areas that are free of cloud cover and where there was data. The heat that did show through the clouds was mapped, but the cloud cover is shown on the map, to indicate that is likely NOT the full extent of the heat, and that the heat could be an artifact of the cloud cover.

On the north end of the incident, there appeared to be lot of intense heat showing through the clouds, and on both sides of Hwy 160 at North La Veta Pass. There is heat on the north side of the hill to the north east of the pass, i.e. in the next watershed. Either the heat was intense enough to show through the clouds, or the clouds were a bit thinner there. It is also possible that there is no actual heat in that area, but just an artifact of the cold clouds and a temperature change. To the south there was a break in the clouds near the tops of Mount Maestas and Rough Mountain, where heat was visible along the west facing flanks of the mountain. There were several areas of heat detected on the back side of Mount Maestas (northeast side), but the actual extent remains a mystery due to the extent of the cloud cover.

There were two other areas that were not covered by clouds, along the west edge of the incident, the heat there was mapped as isolated heat sources.

No changes were made to the heat perimeter and it is essentially the same perimeter as last night. There just was not enough to go on to change the perimeter. The 6/30 perimeter from the MMA is shown on the map for reference. The MMA perimeter is not included in the kml, so if it is needed in Google Earth, please use the kml provided by COWIMS.

We'll hope for a clearer night tonight.

Questions/Comments – contact Elise Bowne at 303-517-7510

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