

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Lava Mountain WY-SHF-000267	IR Interpreter(s): Elise Bowne	Local Dispatch Phone: 307-578-5740 Cody Dispatch	Interpreted Size: 1,024 Acres Growth last period: 454 Acres
Flight Time: 2321 Hours MDT	Interpreter(s) location: Lakewood, CO	GACC IR Liaison: Melinda McGann	National Coordinator:
Flight Date: July 20, 2016	Interpreter(s) Phone: 303-517-7510	GACC IR Liaison Phone: 303-275-5211	National Coord. Phone:
Ordered By: Shoshone NF	A Number: 326	Aircraft/Scanner System: N144Z/Phoenix	Pilots/Techs: Boyce/Lowery/Kazimir
IRIN Comments on imagery: Good imagery, but orthorectification was off a bit.		Weather at time of flight: Clear	Flight Objective: Map heat perimeter and heat
Date and Time Imagery Received by Interpreter: July 20, 2016 @ 2355 hours MDT		Type of media for final product: Shapefiles (5), 2 Maps, IR Log and KMZ	
Date and Time Products Delivered to Incident: July 21, 2016 @ 0410 hours MDT		Digital files sent to: http://ftp.nifc.gov/Incident_Specific_Data/Rocky_Mtn/2016/LavaMountain/IR/20160721/	
Comments /notes on tonight's mission and this interpretation			
<p>Lots of intense heat detected tonight. The area in question last night on the SE part of the incident, showed lots of heat tonight, which indicates that it probably had not burned previously, or at least not completely.</p> <p>Tonight there was a heat source detected to the north of the incident, in a community and it lined up with what appeared to be a teepee on the aerial photos/imagery. This is on the east side of the highway on private land in the SW part of section 21 at 43° 40.208' N x 109° 56.766' W</p> <p>Div A – There were relatively small areas of heat perimeter growth along with intense heat throughout Div A. There are about 5 new isolated heat sources out in front of the main body of the fire, in sections 32 and 29. One heat source is to the west of road 564, while the other four are between 564 and the end of road 1B.</p> <p>Div D – was very active with numerous isolated areas of heat, some of which were incorporated into the perimeter and others were left separated as there was no obvious connection. As of flight time, all the heat was south of the private property along the highway to the north, and west of the Wind River. Several of the areas near the river showed very intense heat. The majority of the perimeter growth tonight was in Div D. The most intense heat was between road 540 and Wind River. Near the D/W division there is intense heat in the area. In some places it was possible to see the road on the south side of the road (540), in others, it was not. It is likely that the main body of the heat is north of the road. There are several isolated heat sources though that are south of road 540.</p> <p>Div W – Several areas of intense heat with perimeter growth detected tonight, with the heat moving downhill to the ESE. Both are to the south of road 564, but were north of the Sheridan River at flight time. There are a number of isolated heat sources in the area between the river and road 564 as well.</p> <p>Questions/Comments – contact Elise Bowne at 303-517-7510</p>			