

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Garceau MT-FHA-000130	IR Interpreter(s): Chad Horman chad.horman@usda.gov	Local Dispatch Phone: MDC-Missoula 406-829-7060	Interpreted Size: 6,725 Acres Growth last period: 1 Acres
Flight Time: 2308 MDT Flight Date: 08/21/2022	Interpreter(s) location: Cedar City, UT Interpreter(s) Phone: 435-592-5175	GACC IR Liaison: Jen Frazer GACC IR Liaison Phone: Work – (406) 547-6010 Cell – (203) 695-1207	National Coordinator: Tom Mellin National Coord. Phone: Work – (505) 842-3846 Cell – (505) 301-8176
Ordered By: RIST 605-645-8355 SITL Chandler Munday (435) 770-5919 chandler_mundy@firenet.gov	A Number: A-34	Aircraft/Scanner System: N350FV/Tenax	Pilots/Techs: Tech: Wren
IRIN Comments on imagery: Cloudy		Weather at time of flight: Cloudy	Flight Objective: Heat Perimeter Detection / Categorizing Heat Intensity
Date and Time Imagery Received by Interpreter: 08/21/2022 @ 2319 MDT		Type of media for final product: Shapefiles, one geodatabase, two pdf maps, kmz file, IRIN	
Date and Time Products Delivered to Incident: IR data uploaded to IES: 08/22/2022 @ 0015 MDT IR products uploaded to ftp: 08/22/2022 @ 0045 MDT		log. IR data posted to IRIN Edit Services (National Incident Feature Service 2022) Digital files sent to: https://ftp.wildfire.gov/public/incident_specific_data/n_rookie_s/2022_fires/2022_Garceau/IR/2020822	
Comments / notes on tonight's mission and this interpretation: <ul style="list-style-type: none"> Started interpretation with incident wildfire daily perimeter downloaded on 8/21/2022 @ 1914 from NIFS (National Incident Feature Service 2022). Incident area had moderate cloud cover. This hindered the ability to map heat locations as desired within the incident. Imagery used consisted of the Tenax 4x and 16x ortho. The difference between the two images is the number of pixels that are grouped together to identify heat signatures. The 4x is more precise and is usually used for IR mapping. However, the 16x can be useful in cloudy conditions. Since it groups 16 pixels instead of 4 heat sources can still be identified. The downside is that it is not as precise as the 4x. The 16x gives a more general idea of the location of the heat source. The perimeter did increase by 1 acre due to a heat source identified using the 4x imagery. Total acreage is now 6,725. No intense heat was observed, however due to the cloud cover that doesn't mean it may not be present. Scattered heat and isolated heat were mapped using the 16x imagery and does show that heat is there, but not exactly where it is. The provided geodatabase and shapefiles are in WGS84 decimal degrees, so would be convenient for working in IES and IVS. 			

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- Maps are in NAD83 UTM 11.
- Feedback is always appreciated. Please contact the interpreter at the contact information listed above.