

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Red Salmon CA-SRF-000656	IR Interpreter(s): Elise Bowne elise.bowne@usda.gov	Local Dispatch Phone: Redding Interagency Command Center 707-441-3658	Interpreted Size: 101,895 acres (in UTM10, NAD83) Growth last period: 309 acres
Flight Time: 2100 PDT Flight Date: 9/18/2020	Interpreter(s) location: Denver, CO Interpreter(s) Phone: cell/text 303-517-7510	GACC IR Liaison: Kyle Felker GACC IR Liaison Phone: 530-251-6112	National Coordinator: Thomas Mellin National Coord. Phone: 505-842-3845
Ordered By: CA-SRF	A Number: A-182	Aircraft/Scanner System: Tenax N350FV / TK-9	Pilots/Techs: Henderson, Cole / Ramsey
IRIN Comments on imagery: Mostly cloud covered, registration issues exist		Weather at time of flight: Mostly cloudy	Flight Objective: Map heat perimeter and heat outside the perimeter
Date and Time Imagery Received by Interpreter: 9/18/2020 @ 2145 PDT		Type of media for final product: Shapefiles, PDF Maps, KMZ, Interpreter's Log	
Date and Time Products Delivered to Incident: 9/18/2020 @ 2345 PDT		Digital files sent to: NIFC FTP https://ftp.nifc.gov/public/incident_specific_data/calif_n/2020_FEDERAL_Incidents/CA-SRF-000656_Red_Salmon_Complex/IR/NIROPS/	
Comments / notes on tonight's mission and this interpretation: Initial perimeter was downloaded from the National Incident Feature Service - hosted. The majority of the fire area was covered by clouds at flight time tonight. The cloud layer was mapped to show the areas that were not seen. Where the scattered heat was mapped, it was possible to see some features on the ground and map the residual heat. The exception to this is in Division K, where there is an area of heat to the east of the main perimeter on the hill between Methodist Creek and Sign Creek. That area was completely covered in clouds, with just enough heat poking through to enlarge the perimeter where the heat showed through. There may be additional heat in that area that wasn't intense enough to show through the clouds. In most of the areas where intense heat was mapped, it was hot enough to be detected through the clouds. Unfortunately the majority of the perimeter was covered by clouds tonight. On the SW part of the incident, several areas of intense and isolated heat were mapped outside the main perimeter. While there was a feature on the ground that was visible enough to use to line up the imagery with the ground, there was a lot of heavy cloud cover in the area and not enough heat was visible through the clouds to connect this area with the main perimeter. As always, the water vapor in clouds absorbs infrared and the ability to discern the perimeter or any of the heat was impaired. Where the clouds were thin enough, some heat showed through and was able to be mapped. Note: On the maps, the clouds seem to stop at a certain north and south latitude, they probably do not. It is just that the images collected didn't cover the area north and south of where the clouds were mapped. Feedback or question? Please contact the interpreter with the contact info above.			