

INFRARED INTERPRETER'S DAILY LOG

Incident Name: SRF Lightning Complex (CA-SRF-986)	IR Interpreter(s): Jennifer Frazer (Q) Jennifer.frazer@usda.gov	Local Dispatch Phone: CA NCIC (707-441-3644)	Interpreted Size: 8,752 IR Acres Growth last period: 1,083 IR Acres *Not Official Incident Acres
Flight Time: 2244 PDT	Interpreter(s) location: White Sulphur Springs, MT	GACC IR Liaison: Kyle Felker	National Coordinator: Kat Sorenson
Flight Date: 08/24/2023	Interpreter(s) Phone: (cell/text) 203-695-1207	GACC IR Liaison Phone: 530-251-6112	National Coord. Phone: 406.499.2701
Ordered By: Jeff Chung 559-970-1318	A Number: A-40	Aircraft/Scanner System: N350SM/Tenax	Pilots/Techs: / Wren
IRIN Comments on imagery: Clear, little orthorectification issues. Mosquito and Bluff in same scan order.		Weather at time of flight: Clear	Flight Objective: Heat Perimeter Detection / Categorizing Heat Intensity
Date and Time Imagery Received by Interpreter: 08/25/2023 @ 0005 PDT		Type of media for final product: Geodatabase, Shapefiles, KMZ, PDF Maps and IRIN Log	
Date and Time Products Delivered to Incident: 08/25/2023 @ 04:30 PDT NIFC NFIS. Products @ 0545 PDT		Digital files sent to: jeff_chung@firenet.gov carvel_bass@firenet.gov , NIFS and ftp.wildfire.gov/public/incident_specific_data/calif_n/12023_Federal_Incidents/CA-SRF-986_SRF_Lightning_Complex/IR/NIROPS	

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

Started tonight's interpretation with the NIFS Event polygon downloaded at 8/24/2023 @ 2330 PDT

Fire Name	Heat Interpretation Description	Acres (NIFS @ 2330)	Interpreted Acres	Growth in Acres
Blue Creek	Not in Scan Order	0.1	UTF Clouds	
Blue Creek 2	Most Growth on E flank	667	976	309
Bluff #1	Growth on all sides.	1,163	1,398	235
Devil	2 possible isolated heat inside	12.4	12.4	12.4
Unk Perimeter N of Devil	123.97 W and 41.13 N		0.7	0.7
Glen	No Heat Observed	0.1	0.1	0
Hancock Plus another nearby	Growth on all sides. Separate perimeter NE across the river	7	218	211
Iron	Cloud Cover	19.9	UTF Clouds	
Let er-Buck	Growth E flank	37	39	2
Lone Pine	Clouds. Some Heat Seen.	1,683	UTF Clouds	
Lost	Cooling. Growth on W	700	717	17
Mosquito	Cloud Cover. Some Gains and heat still observed.	1,652	1,851	199
Pearch	Cloud Cover. Some Gains and heat still observed.	1,747	1,844	97
TOTALS		7,669	8,752	1,083

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Blue Creek 2

I deleted the data for Marlow that I posted for operational day 8/24/2023 since it is planned to be flown by Aircraft3 tonight. South flank of Marlow was in the imagery, still moving downhill, but had small gains. Marlow and Blue Creek 2 are a little less than 1 mile apart (0.95m). Blue Creek 2, two additional heat perimeter, 1.5 mile east. On edge of the Blue Creek Rare 1 Roadless Area.

Devil

2 isolated heats inside.

There was an isolated heat perimeter NE of Devil. 123.97 W and 41.13 N

Cloud Cover was drawn when clouds hid heat signatures.

Many fires which were interpreted as light clouds, heat may have been more than depicted and isolated heat signatures not apparent. Light Clouds wash out or dull the imagery.

Glen and Lost Scan did pick up possible isolated heat sources outside the fire areas. These are small single heat sources. These appeared in the imagery but are not large (unlike the two separate heat sources found near Devil and Hancock). They could also be the result of the scanned equipment tuned higher due to the clouds in the scan boxes farther inland. I have lower confidence in them.

NIFS Feature Service has outlines of the area scanned. This may help the SITL redraw Scan order boxes (if needed).

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Note: Extra gdb and kml for the bluff fire. I missed interpreting intense and scattered heat on this one the first time around.