

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Chimney Tops 2 TN-GSP-016062 Includes Cobbly Nob	IR Interpreter(s): Maximillian Wahlberg mwahlberg@fs.fed.us	Local Dispatch Phone: Smokies Dispatch (865-436-1294)	Interpreted Size: Total: 17,867 acres Cobbly Nob: 753 acres All other perimeters: 17,414 acres Growth last period: 13 acres
Flight Time: 2322 hrs EST Flight Date: 12/1/2016	Interpreter(s) location: Portland, OR Interpreter(s) Phone: 928-273-0779	GACC IR Liaison: Scott Wilkinson GACC IR Liaison Phone: 678-320-3010	National Coordinator: National Coord. Phone:
Ordered By: SA Red Team (Dueitt) (904-383-9717)	A Number: A-31	Aircraft/Scanner System: N144z / Phoenix	Pilots/Techs: N149Z Flight Crew left: Dan Johnson right: Kris Nelson tech: Woody Smith
IRIN Comments on imagery: Four total strips, three north/south runs cover the west scan box while one covered the east scan box (cobbly nob). The western box strips were generally good, with only slight shifts in orthorectification. Some false detects existed, especially in run 2 where reflections in water (puddles, swimming pools and other water bodies) tripped the sensors. The eastern scan box was not fully covered by the orthorectified imagery, which cut off just north of the cobbly knob fire's heat perimeter. Manual inspection of the raw tiff strip from the area north of the fire indicate that no heat was located outside the rectified imagery.		Weather at time of flight: Clear	Flight Objective: Map heat perimeter, intense heat, scattered heat, and isolated heat
Date and Time Imagery Received by Interpreter: 12/01/2016 @ 2350 hrs		Type of media for final product: Shapefiles, PDF Map, KMZ, IR Daily Log	
Date and Time Products Delivered to Incident: 12/02/2016 @ 0430hrs		Digital files sent to: NIFC FTP: http://ftp.nifc.gov/incident_specific_data/southern/Tennessee/2016_ChimneyTop2/IR/20161202/ and emailed to: eric.schmeckpeper@gmail.com	

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

Tonight's mapping began with the incident provided fire polygon. Very little perimeter growth was detected in tonight's scan. Multiple fire polygons exist, and imagery did not indicate that any of them should be merged.

Main Fire Polygon: Large pockets of scattered heat were mapped on the southern end of the fire polygon south of highway 441 and in the east near Scratch Britches. Numerous isolated heat sources were located throughout the fire area. In the northern section of the fire polygon, many isolated heat sources were detected, along with a good number of potential heat sources represented by weak heat signatures. Attempts were made to differentiate burnt out foundations that retain heat, from other heat sources, though the distinction was not always clear. Some false detections were found (and not mapped) associated with reflections on water, including swimming pools. A small polygon of intense heat was mapped east of Highway 441 near Garden Road. This appears to be the remnants of a burnt out hotel or housing complex, but heat signatures were strong enough to warrant mapping as intense heat.

In the area of Little Cove Gap, the existing fire polygon was not changed, though a new heat polygon was delineated along with a three isolated heat sources on the east side of Tilda Ridge at 83 36.5 W 35 45.8 N.

The fire polygon northwest of Pine Mountain remains unchanged from the previous perimeter, and contains one isolated heat source.

The fire polygon west of Williamsburg and northeast of Conner Heights showed very little perimeter growth on the eastern flank, and contained three isolated heat sources.

The fire polygon near Painters Knob showed no growth and contained two isolated heat sources and one potential heat source.

A previously unmapped fire was located and mapped approximately 2 miles east northeast of the Gatlinburg-Pigeon Forge Airport. This heat was located at 83 30 6.3 W 35 52 39.3 N and displayed ~1acre of intense heat. The location of this fire was communicated to the incident SITL Susan Kett at 2350hrs EST and was advised that it was a structure fire that had burned into adjacent vegetation, with resources on scene.

Cobbly Nob Fire:

Very little perimeter growth was detected, and one small polygon of scattered heat was mapped in the northeastern corner of the fire. Numerous potential heat sources were identified along with a handful of isolated heat sources, mostly along the northern and eastern edges of the fire. Due to an issue with the orthorectified imagery (see note above in imagery comments) the area directly north of the fire perimeter was manually checked using an un-rectified scan from the Phoenix system. The actual run went well north of the fire perimeter, and no unmapped heat could be discerned in that area.