

## INFRARED INTERPRETER'S DAILY LOG

<b>Incident Name:</b> Umpqua North Complex OR-UPF-000406	<b>IR Interpreter(s):</b> Maximillian Wahlberg <a href="mailto:mwahlberg@fs.fed.us">mwahlberg@fs.fed.us</a>	<b>Local Dispatch Phone:</b> OR-RICC (541-957-3325)	<b>Interpreted Size:</b> 18,073 (all fires combined)  <b>Growth last period:</b> 3,256 acres (all fires combined)
<b>Flight Time:</b> 2218 hours PDT  <b>Flight Date:</b> 8/27/2017	<b>Interpreter(s) location:</b> Portland, OR  <b>Interpreter(s) Phone:</b> 928-273-0779	<b>GACC IR Liaison:</b> Jim Grace  <b>GACC IR Liaison Phone:</b> 541-771-4521	<b>National Coordinator:</b> Jan Johnson  <b>National Coord. Phone:</b> 208-387-5900
<b>Ordered By:</b> OR-UPF	<b>A Number:</b> A-42	<b>Aircraft/Scanner System:</b> N149z / Phoenix	<b>Pilots/Techs:</b> <b>N149Z Flight Crew</b> Pilot: Eddy Netcher Pilot: Justin White Tech: Woody Smith
<b>IRIN Comments on imagery:</b> A total of 5 strips were scanned, 3 of which are shared with other complexes of fires. One strip showed significant cloud obstruction, however, off-nadir (oblique) views from other strips provided near full coverage on all requested scan boxes.		<b>Weather at time of flight:</b> Partly Cloudy	<b>Flight Objective:</b> Map heat perimeter, intense heat, scattered heat, and isolated heat
<b>Date and Time Imagery Received by Interpreter:</b> 8/28/17 @ 0011hrs PDT		<b>Type of media for final product:</b> Shapefiles, PDF Map, KMZ, IR Daily Log	
<b>Date and Time Products Delivered to Incident:</b> 8/28/17 @ 0400 hrs PDT		<b>Digital files sent to:</b> NIFC FTP: <a href="http://ftp.nifc.gov/incident_specific_data/pacific_nw/2017_Incidents/Oregon/2017_Umpqua_North_Complex/IR/20170828/">http://ftp.nifc.gov/incident_specific_data/pacific_nw/2017_Incidents/Oregon/2017_Umpqua_North_Complex/IR/20170828/</a> /	
<b>Comments /notes on tonight's mission and this interpretation:</b> This complex consists of multiple fires, some of which are merging together. Tonight's mapping began with the incident provided perimeter as a base for mapping. Multiple burnout operations were evident in tonight's imagery. These firing operations were mapped leaving unburned polygons that did not show any heat where they occurred. Subsequent filling in would add acres to overall perimeters.  <b>Happy Dog / Ragged Ridge:</b> (12,126 acres) These previously independent fires merged tonight, and are reported jointly here. Firing operations on the west side of Ragged Ridge were evident on the western side of the fire running from log Mountain to point 2042. A number of very large unburned islands were identified between this burnout and the main fire polygon. In the northern portion of the perimeter, the fire has crossed FS Road 3310, and two large spot fires were mapped on the east side of Singe Creek in section 25. On the eastern flank of the fire, another firing operation was mapped with nearly 3.5 linear miles of intense heat showing along FS Road 4760. North of DP 150, the fire appears to have slopped over to the east of the road – an observation passed along to the incident contact (lead GISS) at 1139 hrs PDT. Interior islands east of Hole in the Ground filled in with some intense heat showing in this area. Likewise, intense heat was mapped along portions of the southern and southeastern border of the fire. Thee Spot fires were mapped outside the main perimeter in the southeast corner of the fire. One was located in the unnamed drainage in the western portion of section 36 while another			

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was detected on the ridgeline at the terminus of FS Road 130. **Note: about 24 acres of intense heat were mapped on the east side of County Road 28 just south of the FS Road 2801 – CR28 junction.**

**Fall Creek:** (3656 acres) Firing operations south of the main fire appear to have tied in with the heat perimeter on both sides, with intense heat mapped in a thin line along much of the burnout. A very large, interior island remains between this blackline and the main fire's southern edge.

**Brokentoath:** (866 acres) This fire was partially obscured by clouds, and the visible areas that were mappable come from oblique, off-nadir views. As a result, this line work may be less accurate than other portions of the complex. Perimeter growth and intense heat was mapped primarily on the eastern side of the fire, with two detached polygons of intense heat mapped 1/10<sup>th</sup> a mile NE of the main fire in the Camas Creek Drainage near FS road 104.

Numerous "potential heat sources" were mapped around the complex. These were located adjacent to roads, and are likely camp or warming fires. Each was mapped, and labeled with lat/long on the pdf map products. The Mudd fire is now joined with the Brokentoath fire.

**Mudd 2:** (142 acres) Very little growth detected, with some scattered heat detected in the northwest corner of the fire.

**#444:** (18 acres) obscured by clouds.

**Twin #1:** (675 acres) perimeter growth was mapped along with intense heat to the south, and east. Multiple fingers of fire were evident on the east side of FS Road 4470 in the upper West Copeland Creek Drainage.

**Twin #4:** (6 acres) no change, and no heat detected.

**Dog Prairie:** (394 acres) Primary growth was on the western flank of the fire, with some intense heat mapped in this area of growth. This fire was partially obscured by cloud cover.

**Devil:** (115 acres) no perimeter growth. One interior pocket of intense heat, otherwise scattered was found along the southeastern corner of the fire.

**Oak Nob:** (59 acres) partially obscured by clouds. No perimeter growth detected in the area that was visible.

**Copeland:** (15 acres) cloud cover and oblique viewing angle made this difficult to map. Growth and intense heat was mapped to the west and south.

**Unnamed / New fires:** a previously unmapped one acre fire polygon was mapped 1.1 miles south/southeast of Devil.