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| **Incident Name:**  Kaniksu Complex  WA-COF-001302 | **IR Interpreter(s):**  Chad Horman | **Local Dispatch Phone:**  509-685-6900 | **Interpreted Size (acres):**  Tower: 24,559  Onata: 546  Grease Creek: 680  Hall Mountain: 39  South Fork Slate Creek: 168  **Growth last period (acres):**  Tower: 130  Grease Creek: 11  South Fork Slate Creek: 1  All Others None |
| **Flight Time:**  2156 PDT  **Flight Date:**  10/1/15 | **Interpreter(s) location:**  Cedar City, UT  **Interpreter(s) Phone:**  Office: 435-865-3731  Cell: 435-590-6088 | **GACC IR Liaison:**  Jim Grace  **GACC IR Liaison Phone:**  541-771-4521 | **National Coordinator:**  Tom Mellin  **National Coord. Phone:**  505-301-8167 |
| **Ordered By:**  Tom Kennedy  770.688.5721 | **A Number:**  A-50075 | **Aircraft/Scanner System:**  N144Z/Phoenix | **Pilots/Techs:**  J. Lowery/ D. Johnson/A. Scarpachee |
| **IRIN Comments on imagery:**  There were image shift issues on runs East 1 & 3. Images were shifted 17-35 meters depending on the location in the image. Not sure what run East 2 didn’t seem to have the problem. The color imagery did not have a very good contrast between areas of heat and background. There was a lot of yellow/orange in the cooler areas which made it hard to see heat. | | **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:**  10/1/15 @ 2328 MDT | | **Type of media for final product:**  Pdf maps x 6, kmz, IR log, shapefiles.  **Digital files sent to:**  /incident\_specific\_data/pacific\_nw/2015\_Incidents\_Washington/KaniksuComplex\_WA-COF-001302/IR/20151002 | |
| **Date and Time Products Delivered to Incident:**  10/02/15 @ 0400 MDT | |
| **Comments /notes on tonight’s mission and this interpretation:**  Started with Incident perimeter from September 30 @ 0608 hours. Had to correct for the image shifting on South Fork Slate Creek and Grease Creek Fires, since they were in East 1 image (See IRIN Comments on Imagery above). This was done by determining how much of a shift had occurred and then marking a point. The perimeter polygon was then selected and moved to match the adjustment point. Perimeter and heat sources were then mapped based on the imagery. Once mapping was completed the features were all selected and then moved back to match the previous location by matching up the polygon to the old perimeter, which was used as a reference point. This process was not done on the Tower Fire since most of the mapping was done from run East 2 which did not appear to have offset issues. The amount of offset was about 17 m to the south.  There were six isolated heat sources that were in the imagery that were all well away from the fires. They all appear to be campfires given their proximity to roads. They are in a separate shapefile called 20151001\_2156\_KaniksuComplex\_UnknownHeatSource.  **Tower Fire:** Perimeter growth continues to occur in Paqua Creek basin. Quite a bit of intense heat on the west side of that area with one spot fire observed. Intense heat on the east side of the Paqua Creek basin limited to the leading each where perimeter growth occurred. Pockets of scattered and intense heat in the upper reaches of Nola Creek. A few pockets of scattered heat in Klahowya Creek as well as near the perimeter in the upper reach of North Fork and south of FR659 on the east flank. Isolated heat sources scattered in the interior at similar density as two days ago.  **Grease Creek:** Limited perimeter growth. Small amount of intense heat on the north tip. Highest concentration is on the east side along Grease Creek. There is scattered and intense heat along the middle portion of the fire. Scattered heat in the polygons in the saddle. Three isolated heat sources along the perimeter in the southern polygon on the east side.  **Onata:** One isolated heat 400 feet from the perimeter on the east side. No change in perimeter.  **South Fork Slate Creek:**  Three isolated heat sources; two on the east and one on the west. All three near the perimeter. The one acre gain was due to the perimeter boundary being extended to encompass the two heat sources on the east side.  **Hall Mountain:**  No heat and no change in perimeter.  **Baldy:** No heat and no change in perimeter. | | | |