# MODIS Active Fire Detections - July 28, 2015

Alaska Geographic Area

## LEGEND

*Map Current As Of July 28, 2015 - 0300 MDT*

- Fire Detection (Last 6 hours)
- Fire Detection (Last 12 hours)
- Fire Detection (Last 24 hours)
- Fire Detection (Since January 1st)
- VISTA Incident Name
- Interstate Highways
- State/U. S. Highways

Elevation

| Meters | Feet |
|---|---|
| 3,500 & Above | 12,000 & Above |
| 3,000 | 11,000 |
| 2,500 | 10,000 |
| 2,000 | 9,000 |
| 1,500 | 8,000 |
| 1,000 | 7,000 |
| 500 | 6,000 |
| 0 Meters | 5,000 |
| | 4,000 |
| | 3,000 |
| | 2,000 |
| | 1,000 |
| | 0 Feet |

0 20 40 60 80 100 miles

0 50 100 150 200 250 kilometers

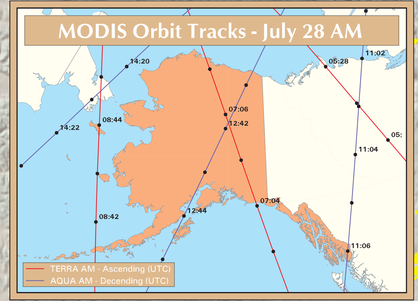
Albers Equal-Area Projection

This map, compiled by the USDA Forest Service Active Fire Mapping Program in cooperation with interagency and institution partners, displays the location and relative detection time of all types of all observable fires and other thermal activity through the specified date/time. Fire activity is identified from high temporal, syncptic view, multispectral observations collected by the Moderate Resolution Imaging Spectroradiometer (MODIS). MODIS is currently onboard the polar-orbiting NASA EOS satellite platforms Terra and Aqua. Each MODIS instrument provides multiple thermal observations of the Earth in the mid to high latitudes on a daily basis.

The Active Fire Mapping Program utilizes near real-time direct readout MODIS imagery from both Terra and Aqua collected by the Active Fire Mapping Program and interagency/institution partners, and MODIS imagery and data products provided by the NASA MODIS Rapid Response System. Detectable fire activity at the time of satellite overpass are identified and characterized at 1km spatial resolution using the latest version of the MODIS Active Fire Product (MOD14/MYD14) algorithm. A detected fire does not necessarily mean that the entire area represented by the 1km pixel is on fire. A detection may be the result of intense fire activity covering a small fraction of the pixel area or fire activity occurring over a broader area. Fire detection omission/comission errors may occur due to input data anomalies, limited satellite observation conditions, and/or potential algorithm limitations.

Use of this map for other than its intended purpose may yield inaccurate or misleading results. The Forest Service attempts to use the most current and complete geospatial data available, and reserves the right to correct, update or modify geospatial inputs to this map without notification. For additional information, please contact the Forest Service Remote Sensing Applications Center (RSAC) at 801-975-3750.

### MODIS Orbit Tracks - July 28 AM




WULIK RIVER
SALMON RIVER
SELAWIK RIVER
COCO CREEK
ZANE HILLS
THREE DAY
BAATHBAKDIZUNI CREEK
ROCK
ISAHULTILA
KOYUK
TORMENT CREEK
WEST FORK
HAMLIN CREEK
BANDDANA CREEK
MCCORMICK
UNGALIK
SPICER CREEK
TANANA AREA FIRES
HAY SLOUGH
BAKER
COD LAKE
AGGIE CREEK
BIG CREEK TWO
TOTSON
BRUNO CREEK
RUBY AREA FIRES
LLOYD
ILLINOIS MINE
TITNA
LITTLE MUD RIVER
GENTIAN
POORMAN CREEK
KOBE
BEAR
BRIDGE
DEEP CREEK
MICHIGAN CREEK
HEALY LAKE
HEALY RIVER
BEAR ISLAND LAKE
TELSIN HILLS
KUKA CREEK
PUK PALIK LAKE
NORTH ANIAK
MISSION CREEK
WHITEFISH LAKE
BOGUE CREEK
CHUILNUK RIVER
QUARTZ CREEK
JUNEAU LAKE
Fairbanks
Anchorage
Juneau
Yakutat
Kodiak
Valdez
Whittier
Homer