# MODIS Active Fire Detections - September 30, 2015

Alaska Geographic Area

## LEGEND

*Map Current As Of September 30, 2015 - 1700 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

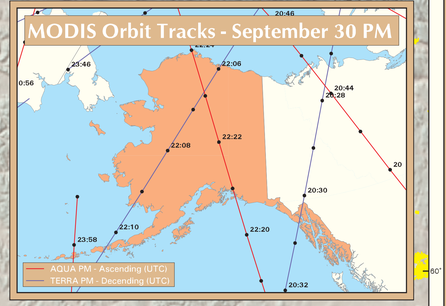
Albers Equal-Area Projection

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, synoptic 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 - September 30 PM




MATHEWS
FRISKY CREEK
JIM RIVER
BAATHBAKDIZUNI CREEK
ROCK
SUSHGITIT HILLS
KOKRINE
BERING CREEK
BLIND RIVER
HAY SLOUGH
BAKER 2
COD LAKE 5
BIG CREEK TWO
BRUNO CREEK
BIG MUD RIVER
LLOYD
CHITANATALA
LITTLE MOOSE
TITNA
MCDONALD CREEK
SEA SULUKNA
ODIN CREEK
GROUCH
DEEP CREEK
EDEN CREEK
CARLSON LAKE
MUNSATLI 2
RED SLOUGH #1
IVY CREEK
JOHN BEEK CREEK #2
BUCHAHAN
AROFUK LAKE
RED DEVIL
LITTLE CREEK
CHIKULULENUK
CHISANA RIVER 2
Fairbanks
Anchorage
Nome
Juneau
Kodiak
Yakutat
Valdez
Whitehorse
Dawson

USDA Forest Service Active Fire Mapping Program - http://activefiremaps.fs.fed.us