# MODIS Active Fire Detections - February 24, 2015

Alaska Geographic Area

## LEGEND

*Map Current As Of February 24, 2015 - 0700 MST*

- Fire Detection (Last 6 hours)
- Fire Detection (Last 12 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

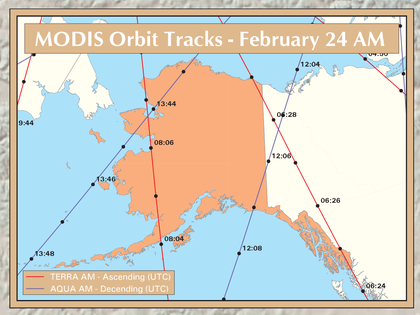
Albers Equal-Area Projection

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 - February 24 AM




Fairbanks
Anchorage
Juneau
Kodiak
Yakutat
Whitehorse
Dawson
Watson Lake
Fort Nelson
Prince George
Dawson Creek
Fort St. John
Grande Prairie
Edmonton
Calgary
Lethbridge
Medicine Hat
Regina
Saskatoon
Prince Albert
Swift Current
Moose Jaw
Yorkton
Brandon
Winnipeg
Thompson
Flin Flon
Dauphin
Portage la Prairie
Steinbach
Kenora
Dryden
Thunder Bay
Sault Ste. Marie
Timmins
North Bay
Sudbury
Barrie
Toronto
Hamilton
Kitchener
London
Windsor
Sarnia
Owen Sound
Peterborough
Kingston
Ottawa
Cornwall
Montreal
Sherbrooke
Quebec City
Trois-Rivieres
Drummondville
Granby
Saint-Jerome
Joliette
Saint-Hyacinthe
Saint-Jean-sur-Richelieu
Chateauguay
Valleyfield
Rouyn-Noranda
Val-d'Or
Chibougamau
Chapais
Matagami
Lebel-sur-Quevillon
Amos
La Sarre
Temiscaming
Kapuskasing
Hearst
Timmins
Cochrane
Moosonee
Moose Factory
Attawapiskat
Fort Albany
Kashechewan
Peawanuck
Winisk
Sandy Lake
Pickle Lake
Red Lake
Ear Falls
Sioux Lookout
Fort Severn
Big Trout Lake
Wabigoon
Nestor Falls
Atikokan
Fort Frances
Rainy River
Kenora
Dryden
Thunder Bay
Sault Ste. Marie
Timmins
North Bay
Sudbury
Barrie
Toronto
Hamilton
Kitchener
London
Windsor
Sarnia
Owen Sound
Peterborough
Kingston
Ottawa
Cornwall
Montreal
Sherbrooke
Quebec City
Trois-Rivieres
Drummondville
Granby
Saint-Jerome
Joliette
Saint-Hyacinthe
Saint-Jean-sur-Richelieu
Chateauguay
Valleyfield
Rouyn-Noranda
Val-d'Or
Chibougamau
Chapais
Matagami
Lebel-sur-Quevillon
Amos
La Sarre
Temiscaming
Kapuskasing
Hearst
Timmins
Cochrane
Moosonee
Moose Factory
Attawapiskat
Fort Albany
Kashechewan
Peawanuck
Winisk
Sandy Lake
Pickle Lake
Red Lake
Ear Falls
Sioux Lookout
Fort Severn
Big Trout Lake
Wabigoon
Nestor Falls
Atikokan
Fort Frances
Rainy River