MODIS Active Fire Detections - July 6, 2010

Alberta

10SR-LEAF
10SR-RYAN
10LL-GARY
10BN-GARRET
10BN-RONNI
10LX-GIRARD02
10LX-DR102A0
10LX-ALCOC
10LX-ALVIN
10LX-BINN

Edmonton
Red Deer
Calgary
Lethbridge
Fort McMurray
Grande Prairie
Peace River
Fort Nelson
Fort Smith
Hay River
Slave Lake
Whitecourt
Athabasca
Lac La Biche
Wainwright
Vermilion
Lloydminster
Medicine Hat
Brooks
Drumheller
Hinton
Edson
Jasper
Banff
Canmore
Cochrane
Okotoks
Strathmore
Chestermere
Airdrie
Olds
Didsbury
Innisfail
Sundre
Rocky Mountain House
Drayton Valley
Stony Plain
Spruce Grove
Leduc
Beaumont
Devon
Tofield
Vegreville
Vermilion
Wainwright
Provost
Consort
Coronation
Oyen
Hanna
Three Hills
Torrington
Trochu
Linden
Carstairs
Crossfield
Acme
Beiseker
Carbon
Irricana
Rockyford
Rosebud
Standard
Gleichen
Carseland
Bassano
Arrowwood
Duchess
Patricia
Jenner
Empress
Cereal
Youngstown
Sunnynook
Acadia Valley
Altario
Veteran
Coronation
Castor
Halkirk
Gadsby
Botha
Erskine
Stettler
Big Valley
Elnora
Delburne
Penhold
Pine Lake
Lacombe
Clive
Mirror
Rochon Sands
Blackfalds
Alix
Joffre
Bentley
Lesserville
Eckville
Sylvan Lake
Innisfail
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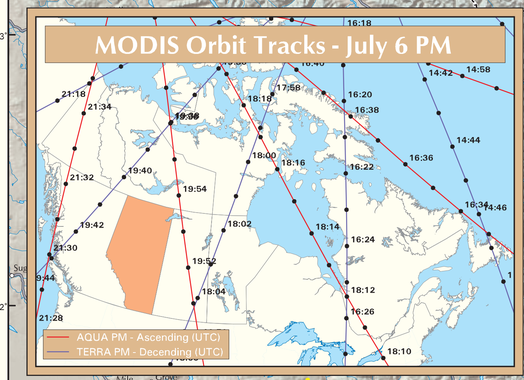
MODIS Orbit Tracks - July 6 PM



LEGEND

Map Current As Of July 6, 2010 - 1900 MDT

- Fire Detection (Last 6 hours)
- Fire Detection (Last 12 hours)
- Fire Detection (Last 24 hours)
- Fire Detection (Since January 1st)
- VISTA Incident Name
- Expressway
- Primary/Secondary Road

Elevation

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

0 20 40 60 80 100 miles

0 20 40 60 80 100 kilometers

Transverse Mercator 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/commission 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.