

GOES Active Fire Detections - July 6, 2015

California North/South & Great Basin West Geographic Area



This map, compiled by the USDA Forest Service Active Fire Mapping Program in cooperation with interagency and national partners, displays the location and relative detection time of all types of all-observable fires and other thermal activity through the specified database. Fire activity is identified from high temporal, synoptic view, multispectral observations collected by the GOES Imager instrument aboard geostationary NOAA GOES satellite platforms. GOES satellites, focused on eastern and western North America provide continual thermal observations of the continent at a rate of multiple times per hourly time period.

The Active Fire Mapping Program utilizes near-real-time GOES imagery and derived data products provided by NOAA/NSDS to construct this product. Fire activity visible at the time of satellite observation are identified and characterized at 4 km spatial resolution using the latest version of the Wildfire Automated Burning Algorithm (WFA/BBA). A detected fire does not necessarily mean that the entire area represented by the 4 km pixel is on fire. A detection may be the result of intense fire activity covering a small fraction of the cover area or fire activity occurring over a broader area. Fire detection commission/omission 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.