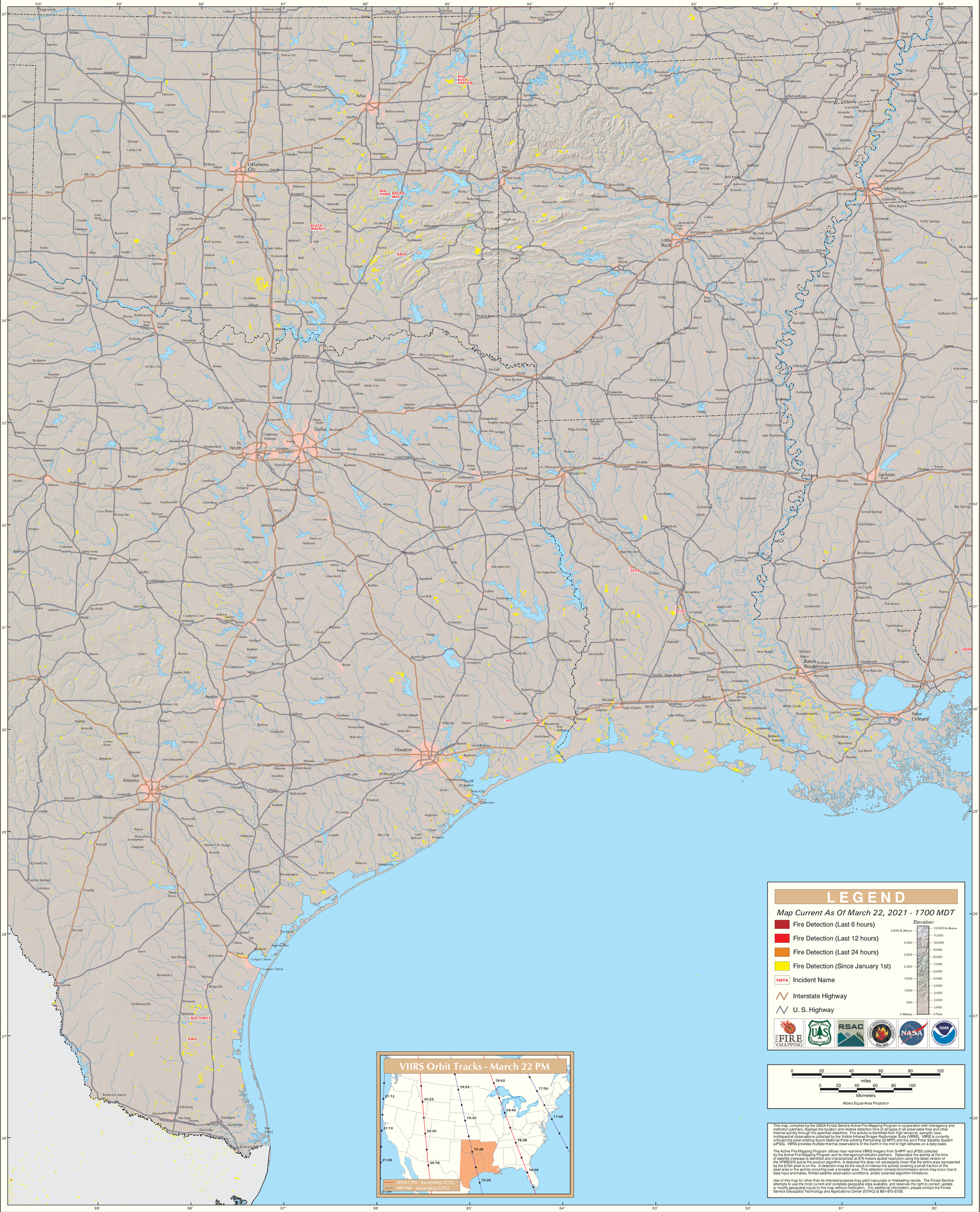
VIIRS 375 Meter Active Fire Detections - March 22, 2021

Southern Geographic Area (South)



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 Visible Infrared Imager Radiometer Suite (VIIRS). VIIRS is currently onboard the polar-orbiting Suomi National Polar-orbiting Partnership (S-NPP) and the Joint Polar Satellite System (JPSS). VIIRS 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 VIIRS imagery from S-NPP and JPSS collected by the Active Fire Mapping Program and its interagency/institution partners. Detectable fire activity at the time of satellite overpass is identified and characterized at 375 meters spatial resolution using the latest version of the VFIRE375 active fire product algorithm. A detected fire does not necessarily mean that the entire area represented by the 375m 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 data input 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 Geospatial Technology and Applications Center (GTAC) at 801-975-3750.