

Moose Fire Progression

- Ordered level-1b version 3 Terra MODIS data from DAAC from Aug. 14, 2001 to Oct. 6, 2001.
- Processed data into active fire detections with the MODIS – rapid response / direct broadcast software MOD14 version 4.0.9.
- Determined fire progression areas using active fires detected by MODIS and fire perimeters measured by the Forest Service.

Moose Fire, Montana

August 22, 2001



August 26, 2001



August 27, 2001



August 28, 2001



August 29, 2001

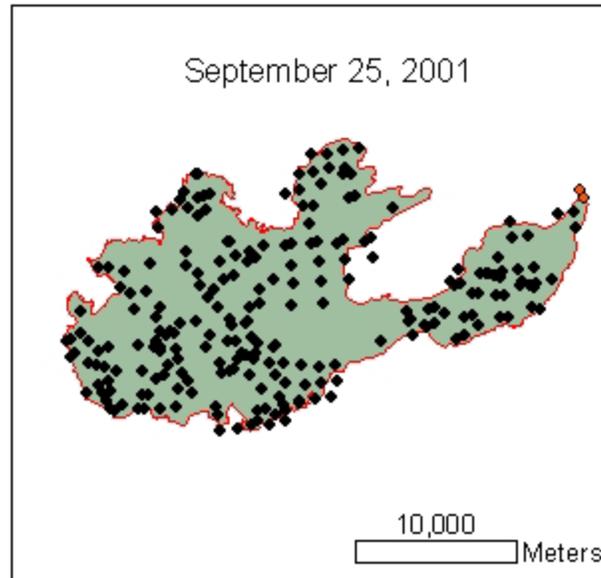
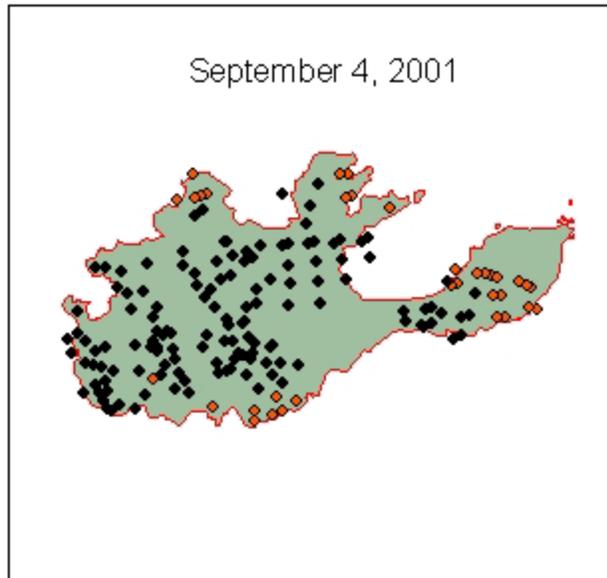
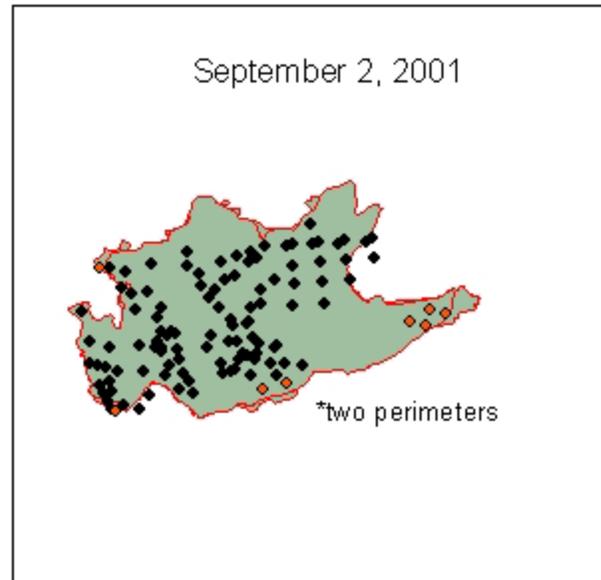
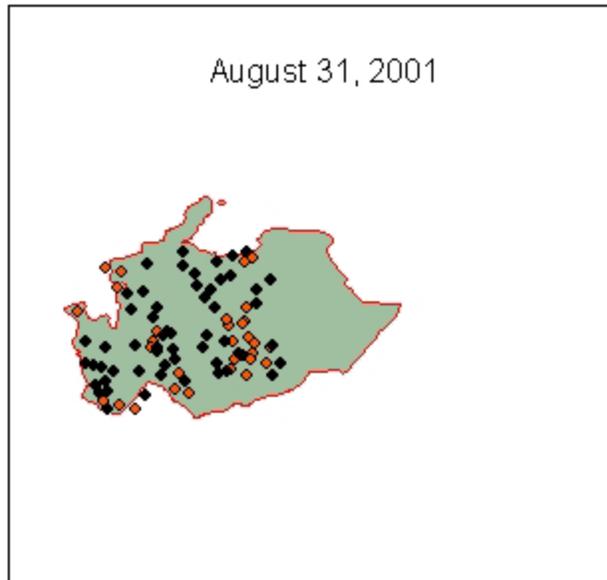


10,000
Meters

Legend

- Old Fire point
- ◆ New Fire point
- FS Fire Perimeter

Moose Fire, Montana

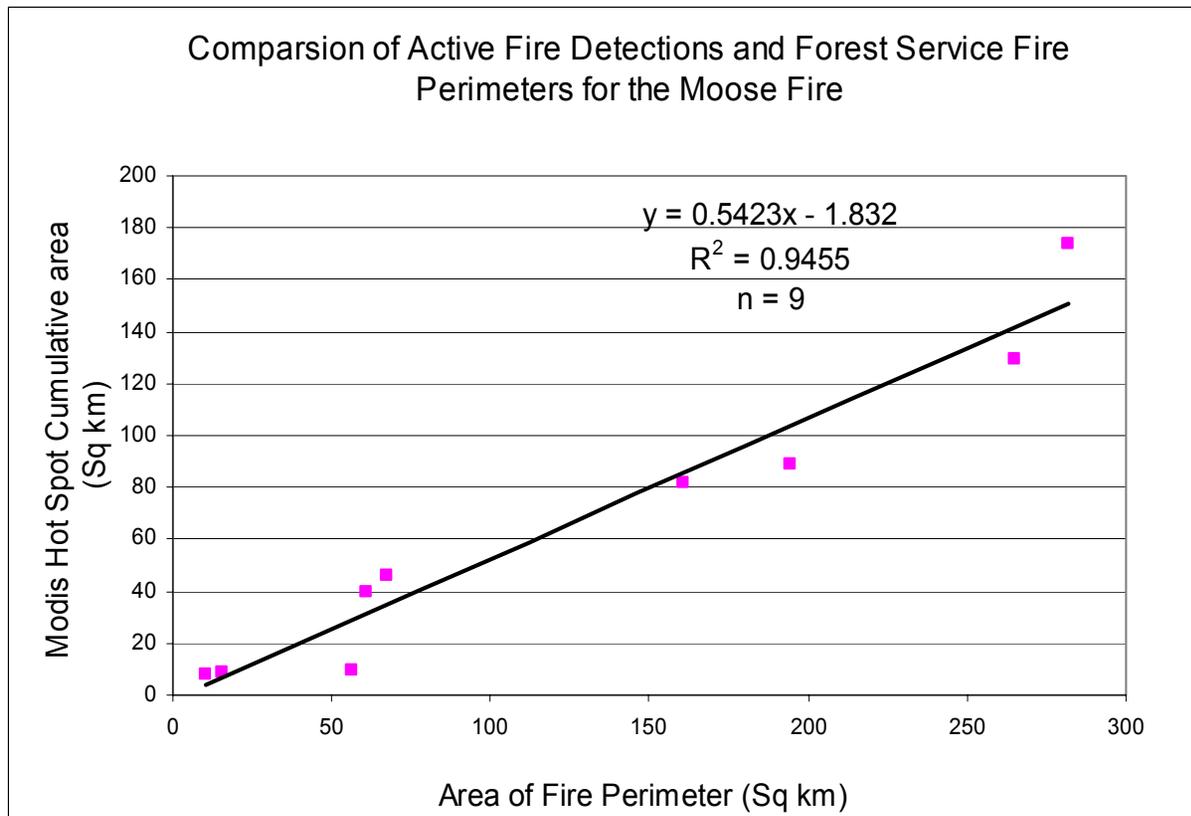


10,000
Meters

Legend

- Old Fire point
- New Fire point
- FS Fire Perimeter

Comparison of Cumulative MODIS Active Fires with the Areas of Fire Perimeters for the Moose Fire, MT, Aug.- Sept. 2001



- MOD14 active fires were converted into cumulative burn area polygons using ARC/INFO software, assuming each hot spot to be 1 km². Care was taken to avoid double counting areas detected multiple times.
- The cumulative MODIS-derived areas were paired with perimeter area measurements.

Rodeo Fire Progression

- Processed Terra - MODIS direct broadcast data received by the Missoula Fire Lab into active fire detections with the rapid response / direct broadcast software MOD14 version 4.0.9.
- Determined fire progression areas using MODIS detected active fires and BLM fire perimeters.

Rodeo Fire, Arizona

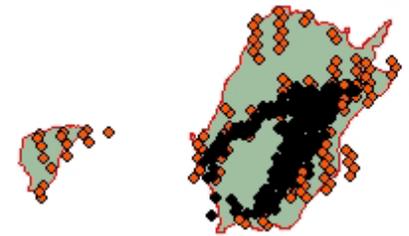
June 18, 2002



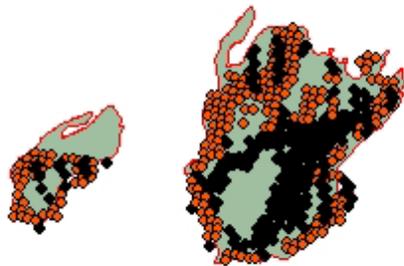
June 19, 2002



June 20, 2002



June 21, 2002



June 22, 2002

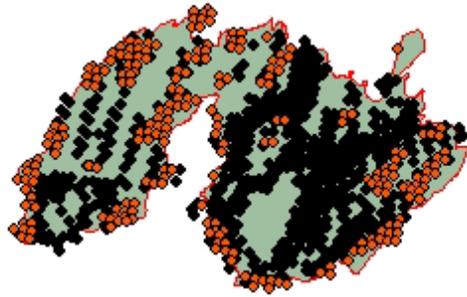


Legend

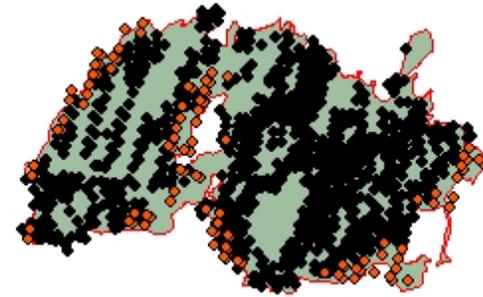
- Old Fire point
- New Fire point
- FS Fire Perimeter

Rodeo Fire, Arizona

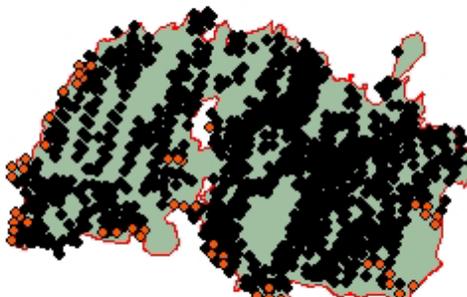
June 23, 2002



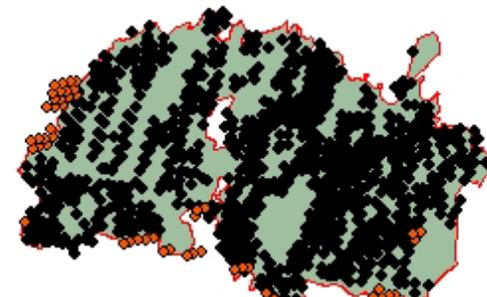
June 24, 2002



June 25, 2002

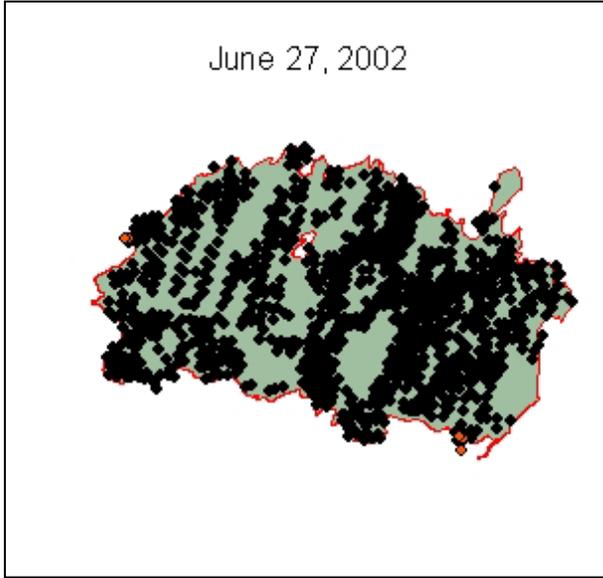


June 26, 2002

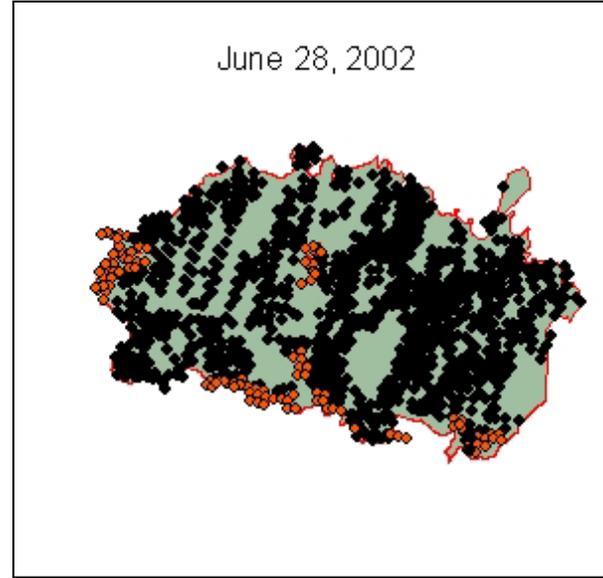


Rodeo Fire, Arizona

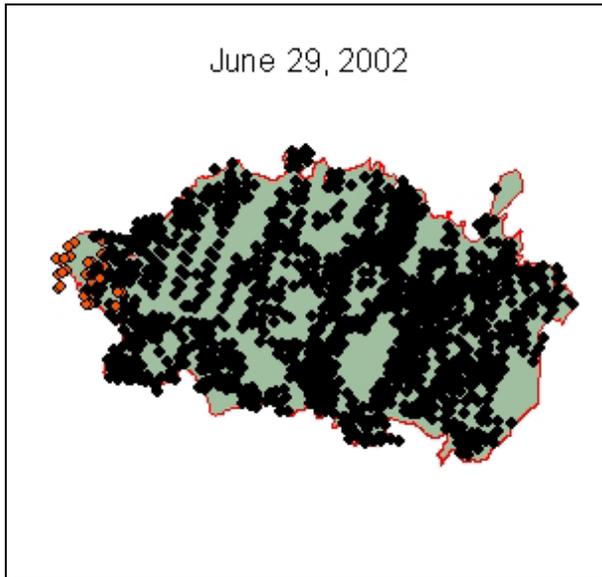
June 27, 2002



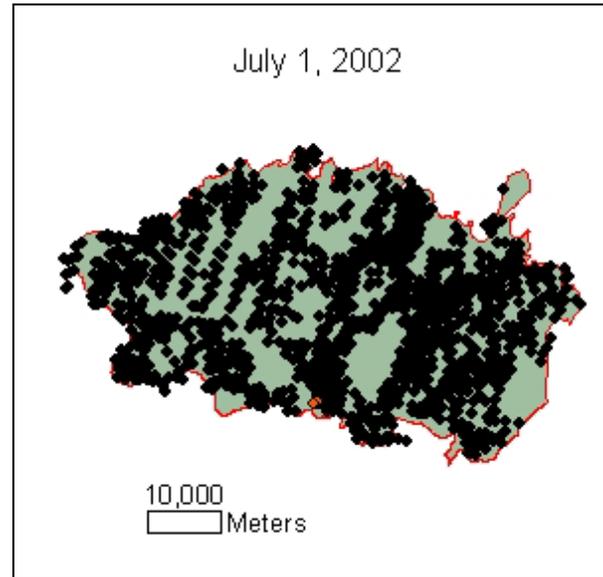
June 28, 2002



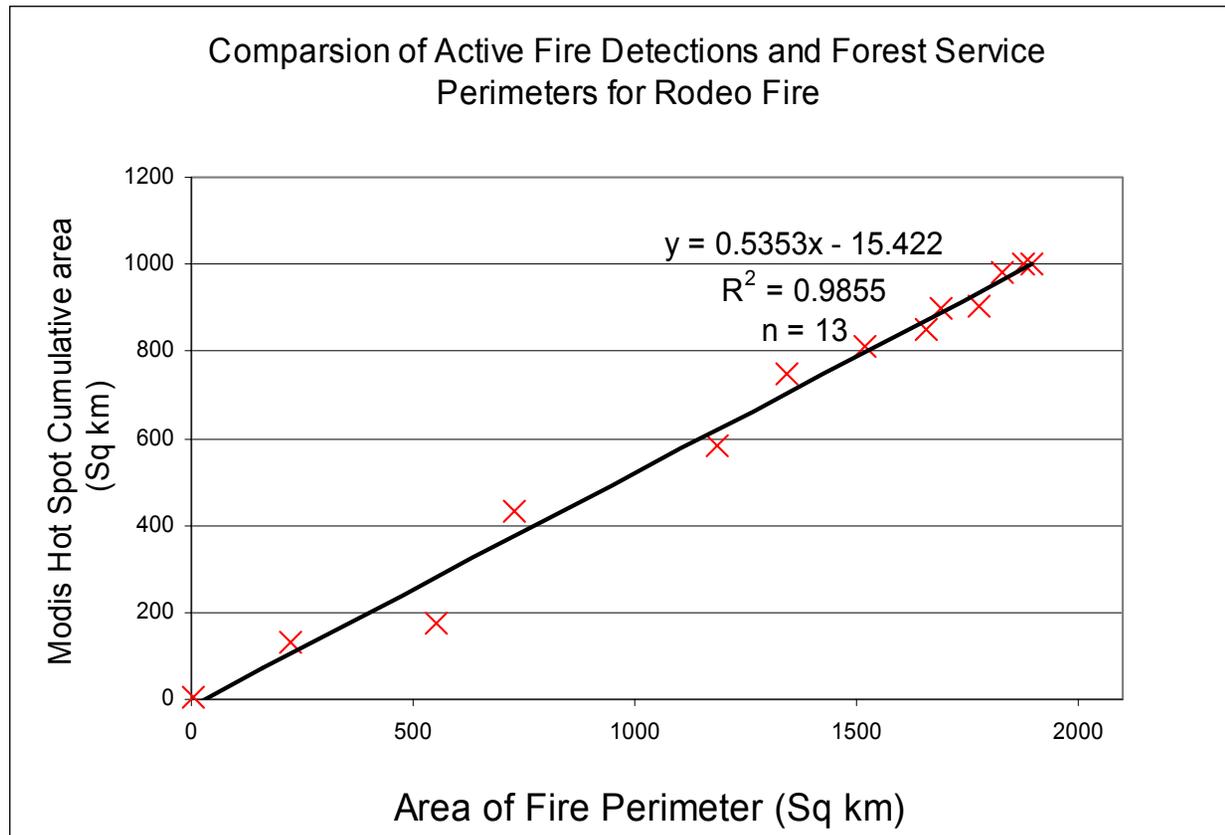
June 29, 2002



July 1, 2002



Comparison of Cumulative MODIS Active Fires Derived from Direct Broadcast System with Areas of Fire Perimeter for the Rodeo Fire, June 2002



- MOD14 active fires were converted into cumulative burn area polygons using ARC/INFO software, assuming each hot spot to be 1 km². Care was taken to avoid double counting areas detected multiple times.
- The cumulative MODIS derived areas were paired with perimeter area measurements.