

Storm Data and Unusual Weather Phenomena - July 2009

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

CALIFORNIA, South Central

(CA-Z097) TULARE CTY MTNS

| | | |
|--------------------|---|----------|
| 07/01/09 00:00 PST | 0 | Wildfire |
| 07/31/09 23:59 PST | 0 | |

The Lion Wildfire, located in Sequoia National Forest, ignited on 6/30/09 at 1030 PDT due to lightning strikes. The location was 3 miles northwest of the Blackrock Ranger Station on the Kern Plateau in Tulare County. The size was 2023 acres. There were no fatalities or structures lost directly due to the wildfire. The cost to containment was \$528,190.

(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY, (CA-Z092) SE S.J. VALLEY, (CA-Z093) S SIERRA FOOTHILLS, (CA-Z094) TULARE CTY FOOTHILLS, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT

| | | |
|--------------------|---|------|
| 07/15/09 11:00 PST | 0 | Heat |
| 07/20/09 20:00 PST | 0 | |

Around July 12th, a strong high pressure ridge began to build west into California, and strengthened over the next several days. Temperatures quickly warmed to well above normal, with widespread triple-digit high temperatures on the 14th. This warming continued over the next several days, with Fresno reaching a high of 112 degrees on July 19th, and Bakersfield only one degree cooler. Both high temperatures set records for that date. Similar recordings were measured around the San Joaquin Valley, adjacent Sierra Foothills, and the Western Mojave Desert. Additionally, temperatures in the urban centers of Bakersfield and Fresno struggled to cool below 80 degrees on the mornings of July 18-20.

KERN COUNTY --- 5.6 S EDWARDS [34.84, -117.93]

| | | |
|--------------------|---|------------------------------|
| 07/18/09 15:25 PST | 0 | Thunderstorm Wind (MG 60 kt) |
| 07/18/09 15:35 PST | 0 | Source: Other Federal Agency |

The NASA wind sensor at the South Lake Bed near Edwards AFB reported severe wind gusts from the outflow of a thunderstorm.

KERN COUNTY --- 0.9 SW EDWARDS [34.91, -117.93]

| | | |
|--------------------|---|------------------------------|
| 07/18/09 15:45 PST | 0 | Thunderstorm Wind (MG 67 kt) |
| 07/18/09 16:00 PST | 0 | Source: Other Federal Agency |

The NASA wind sensor at the Mid Lake Bed reported severe wind gusts from the outflow of a thunderstorm.

KERN COUNTY --- 14.8 W FRAZIER PARK [34.82, -119.21]

| | | |
|--------------------|---|-------------------------|
| 07/19/09 14:55 PST | 0 | Heavy Rain |
| 07/19/09 15:55 PST | 0 | Source: Trained Spotter |

A trained weather spotter at Pine Mountain Club reported heavy rainfall of about one inch.

An upper-level disturbance off the west coast of Baja California spun a fetch of subtropical moisture into California beginning July 16th, with isolated thunderstorms developing along the Southern Sierra Nevada crest. By the 18th, there was enough moisture that thunderstorms also formed in the Kern County deserts, with one afternoon thunderstorm near Edwards AFB reaching severe criteria with gusts to 67 mph. Thunderstorms over the Sierra and the Kern desert redeveloped the next day, and spread into the Tehachapi Mountains. Around an inch of rain fell in the Frazier Park-Pine Mountain Club area, but no flooding was reported.