



# National Weather Service

## Storm Data and Unusual Weather Phenomena



November 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### CALIFORNIA, South Central

#### CAZ022

	21	2200PST			0	0			
	22	1600PST							Winter Storm

Heavy snow, 12-18 inches new as reported by Mammoth Mountain in far eastern Madera County, occurred overnight in the Southern Sierra Nevada Mountains with a total of 2 feet of new snow in the 24 hour period ending at 1600 PST on 11/22/96. Similar amounts occurred in other higher elevations of the range.

#### Mariposa County Yosemite N.P.

	22	0430PST 0800PST			0	0			Urban/Sml Stream Fld
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Significant rainfall in the Southern Sierra Nevada brought high stream flows resulting in temporary flooding in the Yosemite National Park area. Highways 120/140/41 had traffic limited to ascertain the effect of high water in the area. No permanent damage was reported to infrastructure as several streams and the Merced River spilled water onto mountain area roadways

#### Tulare County 9 SE Tulare

	22	1050PST			0	0	15K	0	Lightning
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A Tulare County thunderstorm produced a lightning strike on a barn that stampeded cattle. Fleeing from the thunder the cattle crossed into a roadway and subsequently were struck by a truck tractor with 17 of the cattle killed

#### Merced County 3 NE Merced to 3.2 NE Merced

	22	1350PST 1400PST	0.2	10	0	0	45K	0	Tornado (F1)
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Following frontal passage through Central California, an unstable airmass brought convective activity to the area this data. This small tornado, the first of four this day, was reported late to the office but eyewitness accounts and damage lead to the assessment of its being an F1 on the damage intensity scale. Its path was northwest to southeast with a length of 1/4 mile through pasture and farm land except for an encounter with a farm house's garage. The garage roof was completely removed

#### Fresno County 24 SW Fresno

	22	1404PST 1409PST			0	0	0	0	Hail (1.00)
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This event occurred simultaneously with the tornado in Merced County well to the north. Due to the time of year no crop damage occurred and no other damage reports from the public were noted.

#### Kings County Lemoore Nas

	22	1427PST 1437PST	1	30	0	0	0	0	Tornado (F0)
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The tornado warning on this event was issued on the basis of radar signature only as land line reports of the tornado at the base were not received until later. A meso-cyclone was depicted by the HNX WSR-88D on the 1429 PST volume scan. This was one of two tornadoes from this same cell as determined by storm investigation. This tornado was observed to be very slow moving with cell movement northwest to southeast and a path length of 1 mile or so over barren ground in the mid-field of Lemoore Naval Air Station. The funnel with this tornado was observed to have completely dissipated by weather observers ... thus the breaking of the event into two separate tornado reports.

#### Kings County Lemoore Nas

	22	1450PST 1455PST			0	0	2K	0	Hail (2.50)
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Associated with the tornadic supercell at Lemoore N.A.S. was hail damage to vehicles. Side and front windows on vehicles were smashed by large hail stones during storm passage. Post storm survey determined that hail stones reached up to 2.5 inches in



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### CALIFORNIA, South Central

diameter.

#### **Kings County**

**Lemoore Nas**

22	1505PST 1515PST	0.8	20	0	0	250K	0	<b>Tornado (F1)</b>
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This was the major event of the day in the CWFA. Storm damage to the Lemoore Naval Air Station administrative section was substantial but no injuries occurred. Again, the tornado warning was issued on the basis of radar interpretation as land line reports were received late into the office. A meso-cyclone was depicted by the HNX WSR-88D for 4 volume scans from 1429 to 1447 PST. Damage included roof removal of the base recycling center, wind damage to roofs on several administrative structures, powerlines and poles, and fixed structures (static display aircraft).

#### **Kern County**

**9 ENE Bakersfield to  
11 ENE Bakersfield**

22	1543PST 1550PST	2	10	0	0	0	0	<b>Tornado (F0)</b>
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Path of this tornado was over barren ground with no damage reported. It was observed to travel its 2 miles and marked by dust and vegetative debris. A funnel cloud had been reported to have dissipated by FAA Tower personnel before the delayed report of this tornado was received. Rotation not detected by the HNX WSR-88D as the radar beam at this location was approx. 7000 AGL. Reflectivity maximum in the area was at 60 dBz.