

STRONG MOTION ACCELEROGRAMS

[Data collected by Roger Scholl]

CDMG has collected 1082 channels of data, 347 of which are 0.05g or more. Data from 14 stations includes aftershocks and all three events. Instruments trigger at 0.01g, except for Mammoth Lake High School Gym, which is a multichannel installation set at a trigger threshold of 0.005g. Records were obtained from the following stations:

Benton, Bishop, Centerville, Convict Creek (closest station at 3 km), Fresno State Univ., Independence, Kings Canyon Nat'l Park Cedar Grove, Long Valley Dam, Mammoth Lake High School Gym, Miramonte (furthest station that recorded, 123 km), Mono Lake, Tinemaha Dam, Tinemaha Free-field, and Paradise Camp. [Data from Chuck Turpin]

| Station           | May 25, 16:33 GMT |       |              |
|-------------------|-------------------|-------|--------------|
|                   | Hor g             | Ver g | Distance, km |
| Convict Creek     | 0.46              | 0.43  | 3.0          |
| Mammoth Hi School | 0.33              | 0.26  | 8.9          |
| Long Valley Dam   |                   |       |              |
| Left Abutment     | 0.28              | 0.13  | 14.6         |
| Crest             | 0.42              | 0.15  | 14.6         |
| Mono Lake         | 0.08              | 0.04  | 39.8         |
| Paradise Camp     | nil               | nil   | 27.9         |
| Denton            | nil               | nil   | 41.0         |

USGS maintains Corps of Engineers dams only. Low amplitude records only were written. No report is anticipated. [Dick Maley]

CIT in cooperation with USC collected a record from the May 27 shock at Mammoth Elementary School: 0.44g horizontal, 0.27g vertical.

SCE (Southern California Edison Company). Three records were obtained from Vermilion Dam on Lake Thomas A. Edison. Velocity and displacement were calculated: [Data from Dennis Ostrom]

| Earthquake Date GMT | Component | Acceleration, g | Velocity, in/sec | Displacement, in. |
|---------------------|-----------|-----------------|------------------|-------------------|
| 6/25/80 16:33       | L         | ?               | ?                | ?                 |
|                     | T         | 0.15            | 2.9              | 0.51              |
|                     | V         | 0.10            | 2.09             | 0.36              |
| 6/25/80 19:44       | L         | 0.17            | 2.75             | 0.43              |
|                     | V         | 0.18            | 1.86             | 0.25              |
|                     | T         | 0.16            | 2.23             | 0.19              |
| 6/27/80 14:50       | L         | 0.24            | 3.26             | 0.27              |
|                     | V         | 0.20            | 3.08             | 0.25              |
|                     | T         | 0.12            | 2.11             | 0.17              |

UNR (University of Nevada, Reno) data not yet available. [Alan Ryall]

LADWP has no data yet. [LeVal Lund]

PG&E. Instruments at Helms Underground Pumped Storage; however, the surface instrument had been vandalized and the tape stolen. The -800 ft tape has not yet been interpreted. Detailed questioning of personnel on the surface and underground indicated MMI VI on the surface, I to II underground.