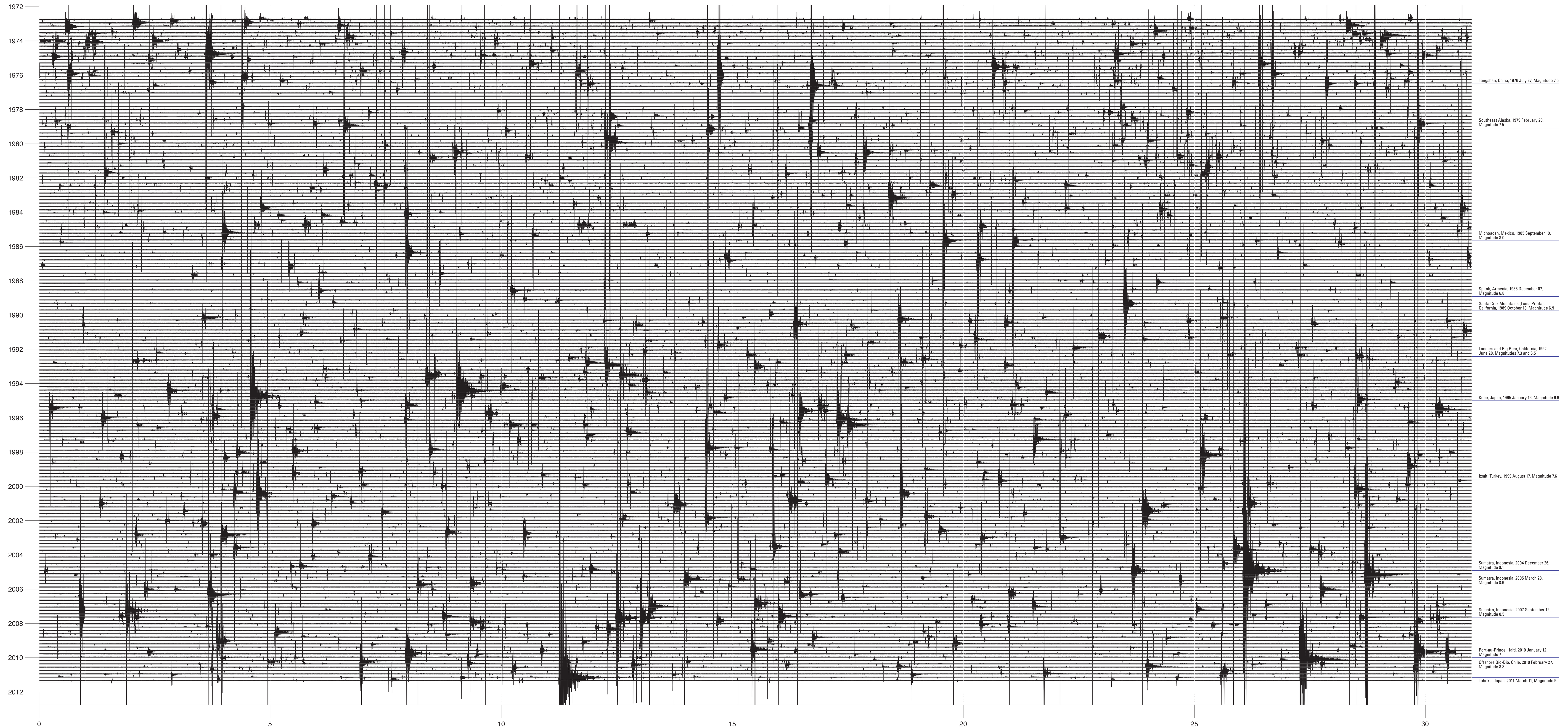


# 40 Years of Digital Recording at the Albuquerque Seismological Laboratory

Presented on the Occasion of the Albuquerque Seismological Laboratory's 50th Anniversary, June 15, 2011



Seismograph Stations ALQ & ANMO, Channel LHZ



This figure is prepared from a composite of digital data recorded at the Albuquerque Seismological Laboratory (ASL). Each horizontal line represents a single calendar month of data, with numbers on the vertical axis marking years and numbers on the horizontal axis noting day of the month. All data were obtained from the archive of the IRIS Data Management Center. For the period 1972 - 1974 the figure uses data from station ALQ, which was part of the High Gain Long Period (HGLP) network. During this period the station was operated in the ASL hillside vault. From 1974 - 1989 the data are from station ANMO of the Seismic Research Observatories (SRO) network, using a borehole instrument. From 1990 to the present the data are from station ANMO of the IRIS/USGS (IU) network, also using a borehole instrument. All data are bandpass filtered between 50 and 200 seconds period. The different generations of seismograph hardware used over the decades have various response characteristics, so some equalization in gain of the data has been performed. In addition, the stations at ASL have been calibrated many times over the decades and these calibration signals, which typically have amplitudes exceeding even the largest earthquakes, have been removed from the data by hand. Finally, minor gaps in the data due to station shutdowns for service and upgrades have been interpolated with zeros to minimize visual distraction.

The earthquake notes provided above are abridged from the earthquake summaries presented on the USGS web pages: <http://earthquake.usgs.gov/earthquakes/world/historical.php>

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