SCEC Earthquake Data Dictionary

Variables (In column order)

1. YYY/MM/DD - Event date
2. HH:mm:SS.ss - Event time
3. ET - Type of event
   - eq - Earthquake
   - qb - Quarry blast: Event is an explosion associated with work at a quarry. In historical catalog, this may also include other types of explosions, such as seismic surveys.
   - nt - Nuclear explosion: Event is an explosion at a nuclear test site.
   - ex - Explosion: Event is an explosion from an unknown cause.
   - sh - Shot: Event is an explosion that is part of a seismic survey.
   - sn - Sonic Boom: Event is from a sonic shock wave.
   - st - Subnet Trigger: Event detected by network triggering algorithm. To be determined by analysts if energy is seismic.
   - th - Thunder: Event is associated with a thunder storm.
   - uk - Unknown: Event of an indeterminate type or very badly located event. Rarely used in current catalog.
4. GT - Geographic Type
   - l - Local event: Earthquake within the SCSN authoritative region. In cases where a sequence or large event occurs near the border, local events could exist 10-25km (0.1 to 0.2 degrees) beyond the official boundary for catalog completeness.
   - r - Regional event: Seismic event occurred outside the network boundary in neighboring network. Location quality may not be refined by the SCSN.
   - t - Teleseismic event: Seismic event occurred at a distance greater than 1,000km from closest SCSN station.
5. MAG - Magnitude of the event
6. M - Magnitude type
   - e energy magnitude
   - w moment magnitude
   - b body-wave magnitude
   - s surface-wave magnitude
   - l local (WOOD-ANDERSON) magnitude
   - lr revised local magnitude
   - c coda amplitude
   - h helicorder magnitude (short-period Benioff)
   - d coda duration magnitude
   - n no magnitude
7. LAT - Latitude of event
8. LON - Longitude of event
9. DEPTH - Depth of event (in kilometers)
10. Q - Location quality
    - 'A' +- 1 km horizontal distance, +- 2 km depth
    - 'B' +- 2 km horizontal distance, +- 5 km depth
    - 'C' +- 5 km horizontal distance, no depth restriction
    - 'D' >+- 5 km horizontal distance
    - 'Z' no quality listed in database
11. EVID - Unique event ID
12. NPH - Number of picked phases
13. NGRM - Number of grams (i.e. Number of station traces)