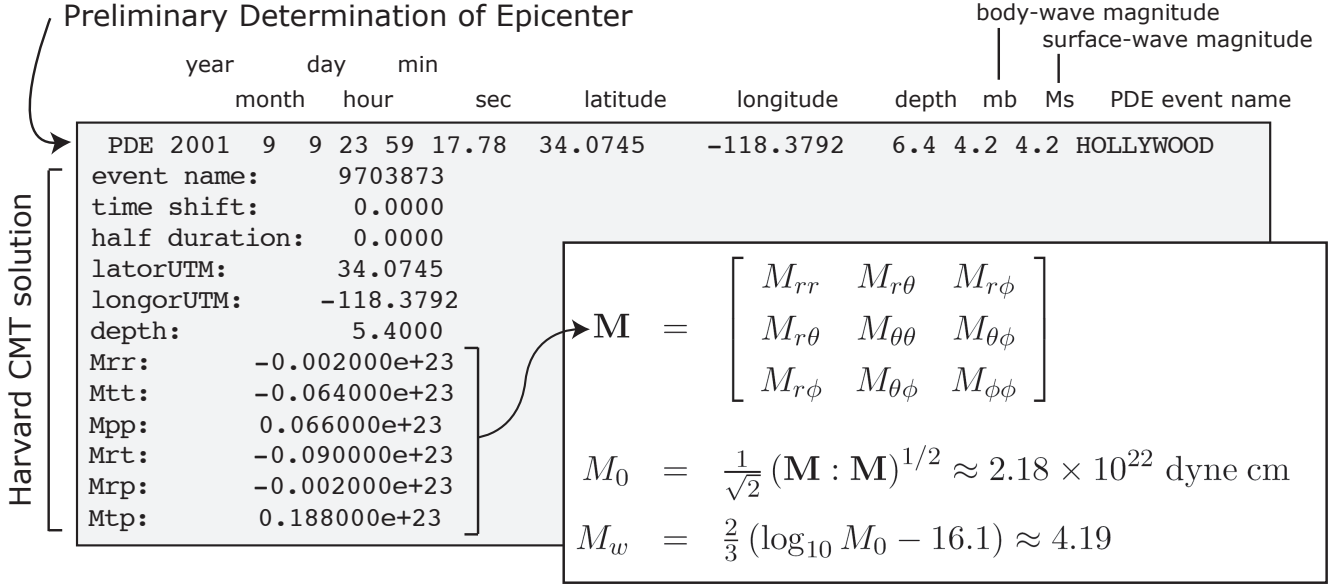
Preliminary Determination of Epicenter
body-wave magnitude
surface-wave magnitude
year
month
day
hour
min
sec
latitude
longitude
depth
mb
Ms
PDE event name
PDE 2001 9 9 23 59 17.78 34.0745 -118.3792 6.4 4.2 4.2 HOLLYWOOD
Harvard CMT solution
event name: 9703873
time shift: 0.0000
half duration: 0.0000
latorUTM: 34.0745
longorUTM: -118.3792
depth: 5.4000
Mrr: -0.002000e+23
Mtt: -0.064000e+23
Mpp: 0.066000e+23
Mrt: -0.090000e+23
Mrp: -0.002000e+23
Mtp: 0.188000e+23
$\mathbf{M} = \begin{bmatrix} M_{rr} & M_{r\theta} & M_{r\phi} \\ M_{r\theta} & M_{\theta\theta} & M_{\theta\phi} \\ M_{r\phi} & M_{\theta\phi} & M_{\phi\phi} \end{bmatrix}$
$M_0 = \frac{1}{\sqrt{2}} (\mathbf{M} : \mathbf{M})^{1/2} \approx 2.18 \times 10^{22}$ dyne cm
$M_w = \frac{2}{3} (\log_{10} M_0 - 16.1) \approx 4.19$