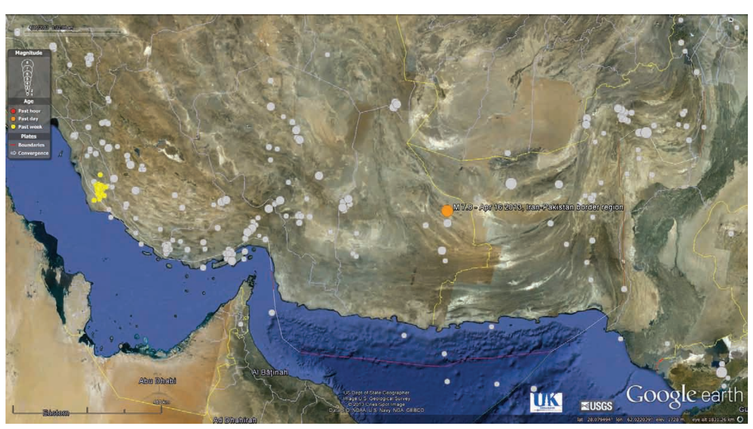
April 16, 2013 Iran (M 7.8)

10:44:20 UTC / 06:44:20 EST

University of Kentucky

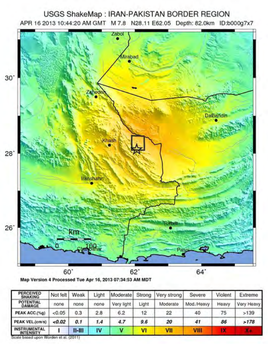
Kentucky Seismic and Strong-Motion Network

Historical Seismicity

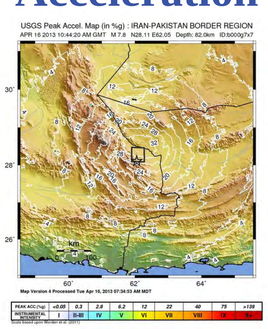


Gray dots —
- M 8 since 1970
- M 7 since 1970
- M 6 since 1970
- M 5 past 5 years
- M 4 past year
- M 3 past 90 days

USGS Shake Map



Peak Ground Acceleration



Maps courtesy of USGS NEIC:
http://earthquake.usgs.gov/earthquakes/eventpage/usb000g7x7

USGS Source Mechanism

NEIC Mwb

Moment
4.09e+20 N-m
Magnitude
7.7
Percent DC
79%
Depth
82.0 km

Principal Axes

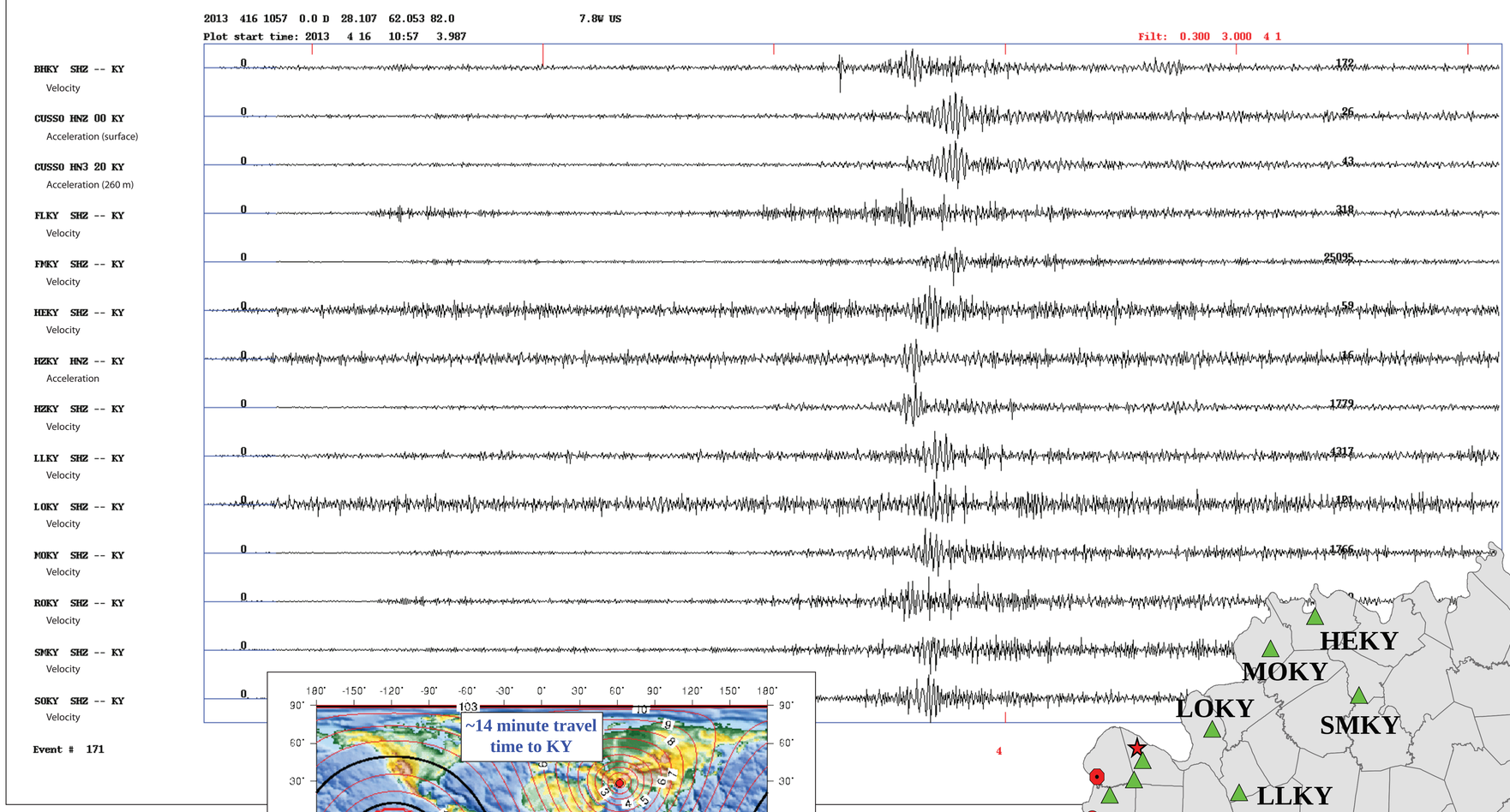
Axis	Value	Plunge	Azimuth
T	4.285	13°	336°
N	-0.431	12°	244°
P	-3.854	72°	113°

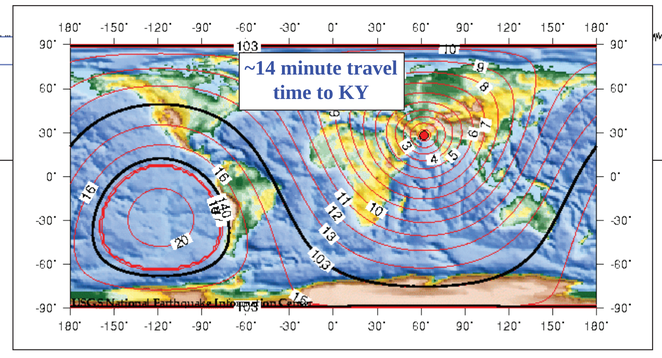
Nodal Planes

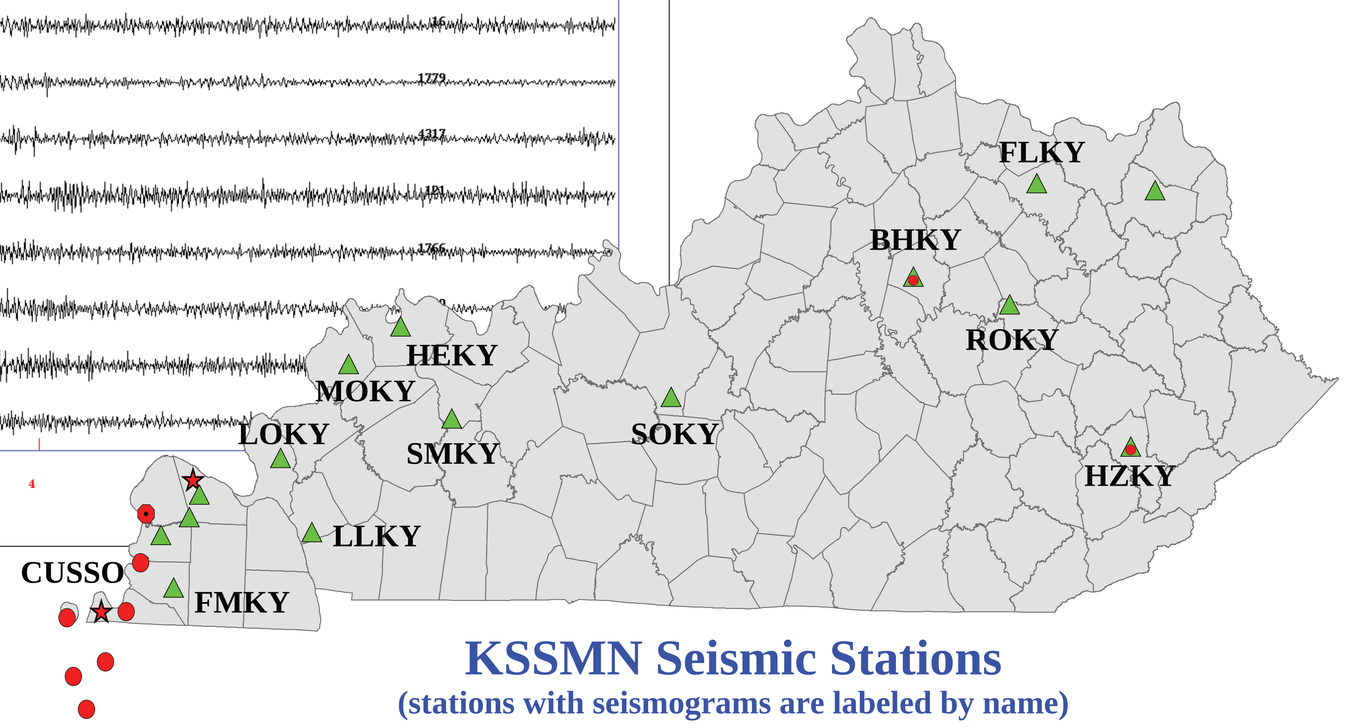
Plane	Strike	Dip	Rake
NP1	236°	59°	-104°
NP2	82°	34°	-68°

(Normal faulting at an intermediate depth in the Arabian plate lithosphere as it subducts beneath the Eurasian plate.)

KSSMN Seismograms







KSSMN Seismic Stations

(stations with seismograms are labeled by name)