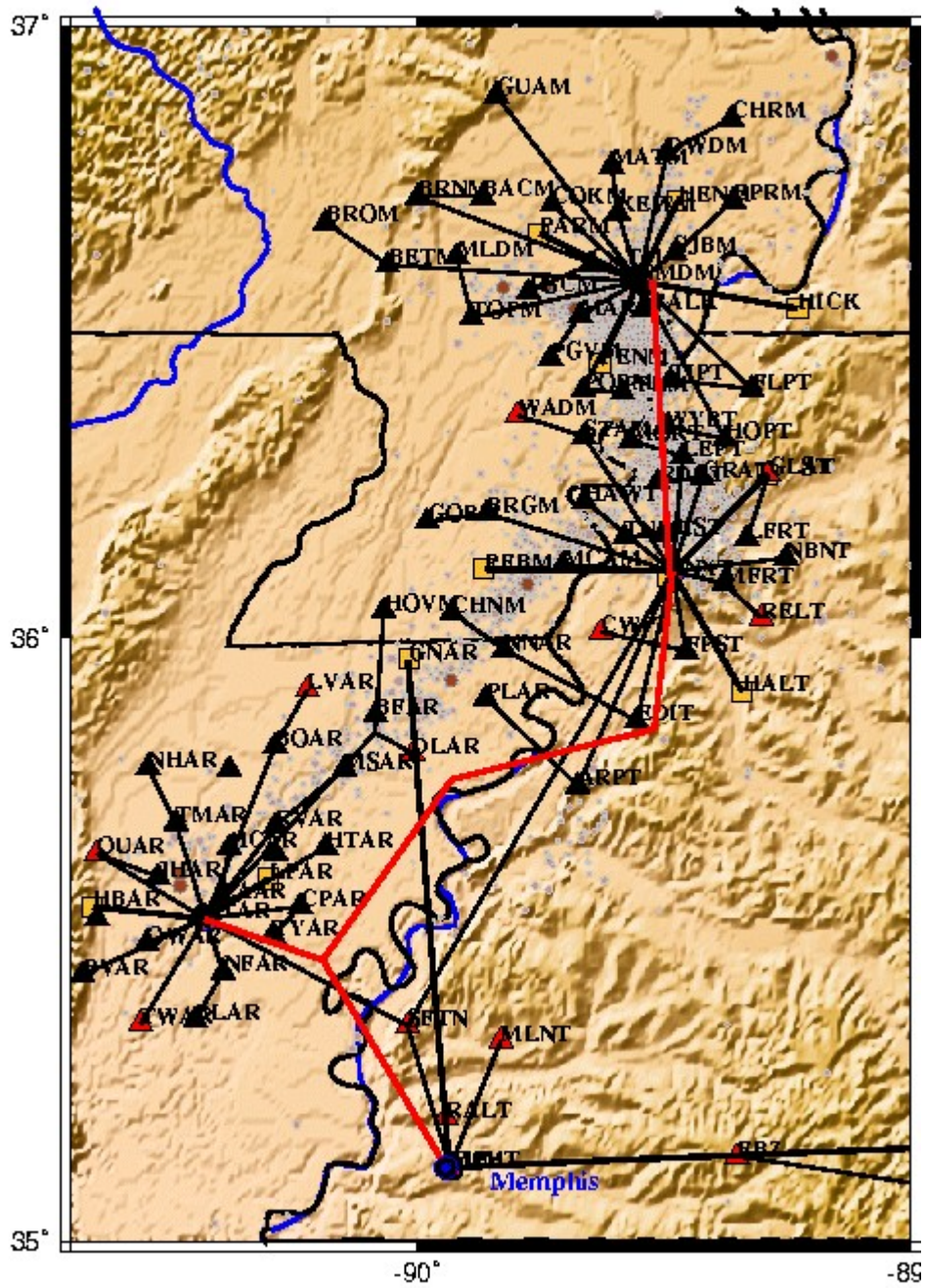


CERI New Madrid Regional Seismic Stations
And Telemetry Paths



CERI Southeastern Regional Seismic Stations And Telemetry Paths

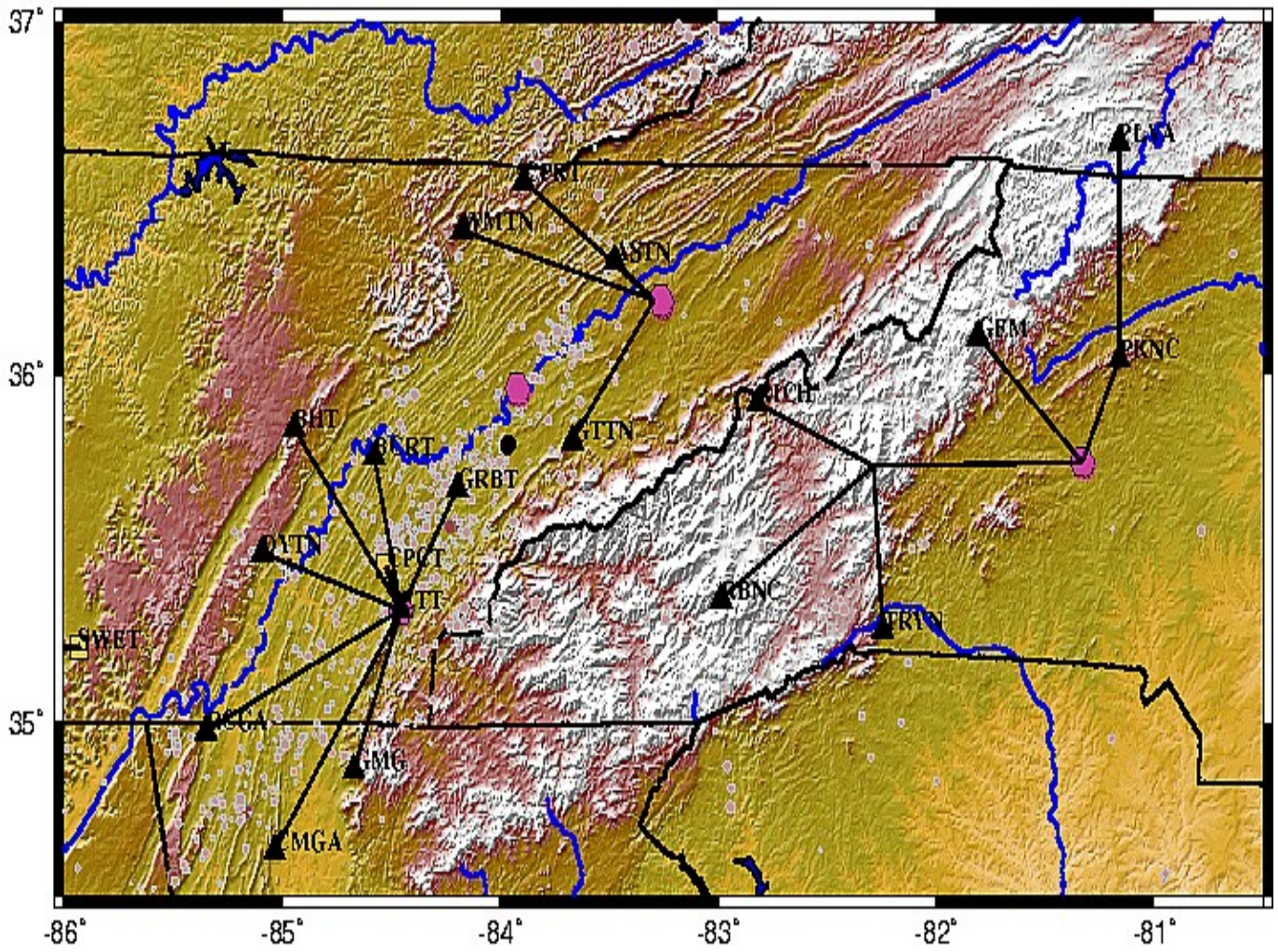


Table 1
Summary Statistics for Regional/Urban Seismic Network
(as of 30 Sept. 2005)

Number of channels and data volume exclude “gain” channels that track gain step on gain-ranged shortperiod stations. Data volume assumes 100sps (true except for some broadband stations) and continuous data (not true for dial-up strongmotion stations). If stations have multiple types of instrumentation, they are classified according to the following order of preference: bb, sm, sp. For the purposes of this table, we define metadata as system response not necessarily in seed format.

Total no. of stations operated and/or recorded	301
Total no. of channels recorded	1031
No. of short-period (SP) stations	141
No. of short-period (SP) stations with metadata (response information)	141
No. of broadband (BB) stations	52
No. of broadband (BB) stations with metadata	52
No. of strong-motion (SM) stations	108
No. of strong-motion (SM) stations with metadata	108
No. of stations maintained & operated by network	139
No. of stations maintained & operated by network with full metadata	139
No. of stations maintained & operated as part of ANSS	29
No. of stations maintained & operated as part of ANSS with full metadata	29
Total data volume (mbytes/day)	67961

Table 2
Earthquake Data and Information Products

Network Products		
	Does the network provide the following?	Comments/Explanation
Primary EQ Parameters		
Picks	Yes	See Event DHI in the network overview section
Hypocenters	Yes	"
Magnitudes (& Amplitudes)	Yes	"
Focal mechanisms	No	SLU provides inversions for events sufficiently well recorded
Moment Tensor(s)	No	"
Other EQ Parameters/Products		
ShakeMap	Yes	Only for the NMSZ and additional problems need to be resolved (e.g. web page generation)
Finite Fault	No	This will be non-trivial for the eastern U.S.
Supplemental Information		
Felt Reports	No	We rely on DYFI pages
Event Summary	Yes	
Tectonic Summary	No	We rely on the NEIC
Collated Maps	Yes	On limited basis as needed.
Refined Hypocenters (e.g. double-difference)	No	
Web Content		
Recent EQ Maps	Yes	
Station Helicorder	Yes	
Station noise PDFs	No	Quack was recently install and tested on select stations.
Station Performance Metrics	No	Not formally
Network Description	Yes	
Station List	Yes	
Station Metadata	No	We expect to begin providing this information when NEIC Inventory software installation, configuration, and population is complete.
Email Notification Services	Yes	ezmlm is hosted by Caltech and list maintained by CERl
Contact Info	Yes	
Region-specific FAQs	Yes	
Region-specific EQ info	Yes	
Waveforms		
Triggered	Yes	"
Continuous	Yes	via earthworm waveserver
Processed	No	
Summary Products		
Catalogs	Yes	

Network Products		
	Does the network provide the following?	Comments/Explanation
Primary EQ Parameters		
Metadata		
Instrument Response	No	We expect to begin providing this information when NEIC Inventory software installation, configuration, and population is complete.
Site Info (e.g. surface geology, Vs30)	No	VS30 has been determined for most strongmotion stations and need to determine best mechanism for distribution of this information.
Key:		
Descriptions:		
<i>Tectonic Summary:</i> Text and/or figures describing the tectonic setting of the event and related activity		
<i>Event Summary:</i> Text and/or figures (press releases, collated media/disaster agencies info) that describes the earthquake and its effects		
<i>Collated Maps:</i> Any map or set of maps that illustrates the event properties, tectonics, hazards, etc		
<i>Processed Waveforms:</i> Specialized processing that is required by some portion of the community, e.g. processed strong motion records for the engineering community		
<i>Catalogs:</i> Lists of parameters that describe an earthquake(s) or information used to describe an earthquake (e.q., picks, locations, amps,..)		
<i>Region-specific earthquake information:</i> Description (text and/or maps) of historical earthquakes, faults/geology, etc.		