Network Fact Sheet: NetOps Workshop 2006	
Name:	New England Seismic Network (NESN), Weston Observatory, Boston College
Authoritative Monitoring Region:	New England Region: Polygon Coordinates: [(45.00°N,-73.25°W),(42.75°N,-73.25°W),(41.00°N,-73.67°W),(41.00°N,-69.00°W),(44.50°N,-66.83°W),(47.55°N,-66.83°W),(47.55°N,-69.25°W)]
Station Statistics:	12 broadband, 2 strong motion
Telemetry:	Digital: public Internet, and dedicated phone line
Data Acquisition & Recording Systems:	Digital data arrive via internet TCP/IP/UDP to a dedicated Reftek RTPD server where they, along with data from stations from other regional and national networks, are fed to a dedicated Earthworm Server (v 6.2), which in turn exports the data to a second Earthworm server which produces automatic locations, magnitudes, and ground motion measurements for ShakeMap. A third Earthworm server machine is used for supplying continuous waveform data for interactive analysis programs.
Routine Data Processing:	We use a locally written software package called TestGendron5 which runs in Matlab and uses an extremely sensitive Wavelet Transform-based detector. Detections are automatically associated and located; successful locations are then sent via e-mail and text page to observatory peronnel.
Emergency Data Processing:	Currently done manually via SAC (picking) and Hypo78 (location & magnitude)
Data Archive & Distribution:	We are currently producing dataless seed volumes to enable archiving of our continuous waveform data by the IRIS DMC via Earthworm export module. In addition, data are archived locally in: RTPD archives, Earthworm tanks, and continuous SEED files produced via ew2mseed