

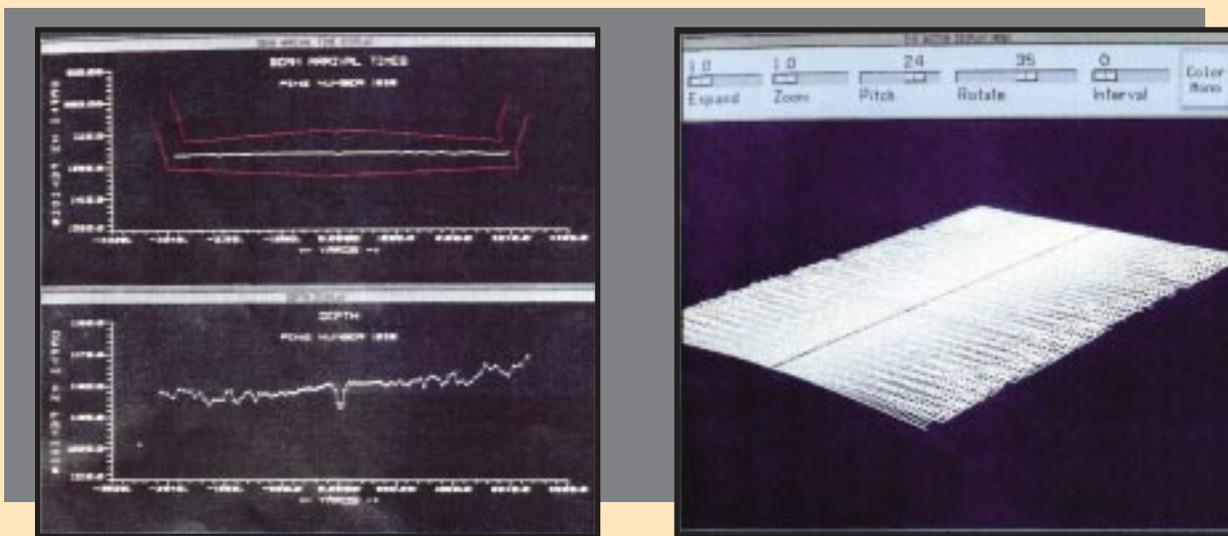


Multi-Channel Acoustic Simulator (MCAS)

The Multi-Channel Acoustic Simulator (MCAS) developed by SSC San Diego was designed as a diagnostic and training tool that can be used with any multi- or single-beam sonar system. The MCAS is programmed for automatic operation with minimal operator intervention.

MCAS FEATURES

- Generates and transmits acoustic signals to simulate any bottom topography at any ocean depth
- Reduces average cost-per-survey mile by minimizing at-sea sonar-system testing time
- Provides excellent training to detect, identify, and resolve sonar-system problems
- Uses either programmable or recorded acoustic data for replay and testing
- Is capable of handling up to 144 acoustic channels with phase accuracy to 0.1 degree
- Rack-mountable, compact, and relatively low cost
- Pentium-based industrial PC



SPECIFICATIONS

Adjustable Output

Frequency 0 to 1 MHz

Phase Accuracy 0.1 degree

Channels 144

For additional information, contact:

Marine Navigation Division, D32
SSC San Diego
D32@spawar.navy.mil

This technology is related to the subject matter of one or more U.S. Patents assigned to the U.S. Government, including Patent No. 4,908,800. Licensing inquiries may be directed to Harvey Fendelman, Patent Counsel, Space and Naval Warfare Systems Center, D0012, San Diego, CA 92152-5765, (619) 553-3001.