



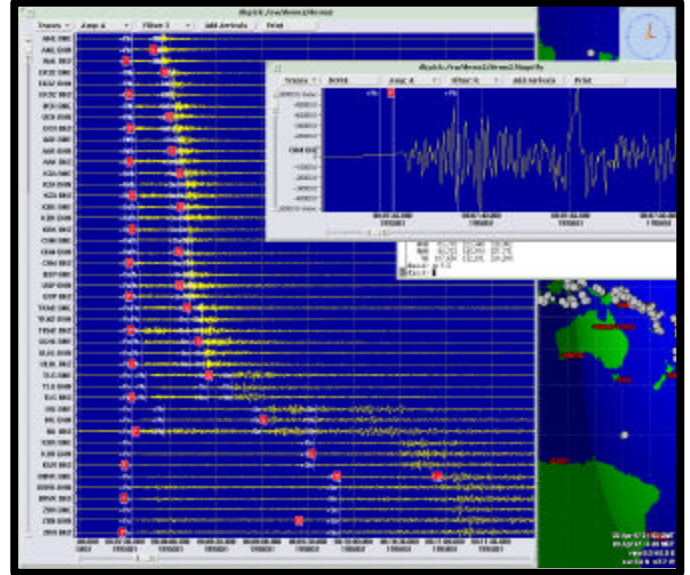
K I N E M E T R I C S

Antelope

Environmental Monitoring Software

Key Features:

- ❖ Open-architecture modular design concepts throughout
- ❖ Distributed real-time data acquisition and processing capability
- ❖ Distributed real-time system monitoring and control capability
- ❖ Comprehensive automated seismic event information in near real-time
- ❖ Network size independent - system scales only with hardware used
- ❖ Records data in real-time to non-volatile disk ring buffer
- ❖ Size of ring buffer limited only by maximum file size
- ❖ Real-time system uses client/server TCP/IP paradigm
- ❖ Supports all telemetry using either standard duplex serial interfaces or standard TCP/IP Level 4 protocol over multiple physical interfaces
- ❖ Unique set of on-line and off-line processing tools
- ❖ Information system interfaces and functionality
- ❖ Offers tools with RDBMS for rapid access to earthquake information
- ❖ Provides a rich development toolkit
- ❖ Highly configurable and adaptable to differing monitoring system requirements



Antelope Environment Monitoring Software is a distributed open-architecture UNIX-based acquisition, analysis and management software system designed to provide a comprehensive set of environmental monitoring data and processed information in real-time. Finely engineered as an all-in-one system, **Antelope** integrates state-of-the-art technology and scientific advances, making it ideal for monitoring seismic events from local/regional, national and global networks and arrays. **Antelope** takes full advantage of the extensive support services provided by the UNIX environment and standard TCP/IP network utilities over multiple physical interfaces.

Antelope consists of two major sub-systems:

- **ARTS**, the **Antelope** Real Time System
- **ASIS**, the **Antelope** Seismic Information System.

The current generation of **Antelope** provides full functionality for seismic network and array operations

and control, including real time data acquisition from field digitizers, interactive control of field equipment, system state of health monitoring, real time automated data processing (detection, picking, seismic event association, seismic event location, archiving). It also offers interactive and batch processing, information system functions, automated distribution of raw data and processed results, batch mode seismic array processing and a powerful development toolkit for extending and customizing the system.

The **Antelope** Seismic Information System uses the relational database (RDBMS) formalism and the CSS v. 3.0 schema for information organization. **Antelope** runs on the Sun Microsystems' Solaris operating system on both SPARC and Intel architectures. In addition to providing specific functionality for seismic monitoring systems, **Antelope** provides a robust and versatile substratum of generic functions that can be used to support other non-seismic monitoring applications.

06/98

USA – 222 Vista Ave., Pasadena, CA 91107 / Tel (626) 795-2220 / Fax (626) 795-0868

Switzerland – Z.I. Le Trési 3, 1028 Prévèrenge / Tel (21) 803-2829

Visit us on the web at <http://www.kinematics.com>