



*Exceptional
service
in the
national
interest*

WAVE

Waveform Analysis and Viewing Environment

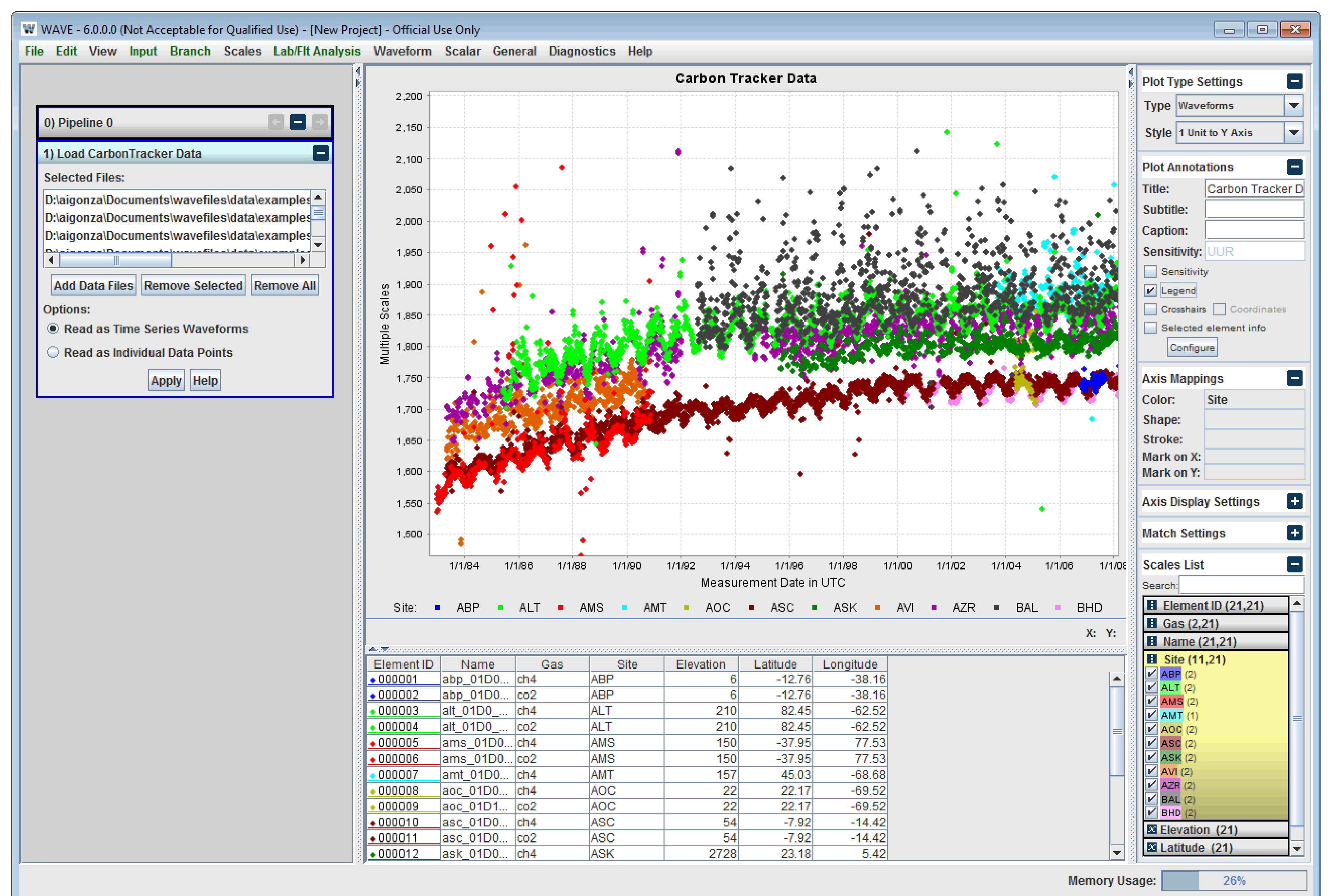
WAVE provides a flexible and powerful software environment for viewing, manipulating, comparing, and categorizing waveform, numerical and categorical data. WAVE is modular and extensible, allowing it to process and exploit data across many domains. One of its major innovations is the Slice & Dice control panel which allows users to quickly explore large amounts of highly dimensional data. It was originally developed by Sandia's Improved Stockpile Evaluation Data & Information Program to support the analysis of stockpile surveillance data. Today, WAVE is being used by multiple groups across a number of domains to better understand their data.

Communities:

- Nuclear Weapons Core Surveillance
- Nuclear Weapons Component Engineers
- Nuclear Weapons Quality Assessments
- Xyce Circuit Analysis
- Space Programs State of Health
- Workplace Enhancement Survey
- Recruiting Events

Features:

- Load many file formats
- Cross Platform
- High-Dimensional data exploration and visualization
- Custom waveform and scalar analysis toolset
- Statistical and trend analysis tools
- Plugin architecture allows for fast addition of new analysis capabilities



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Capability for data analysis and visualization with application
across multiple domains