

# The **ISTI** *ADVANTAGE* Seismic Monitoring Services

*Real-Time Decision Support  
Know as you go!*

**EXPERIENCE:** Major US Basins

**KNOWLEDGE:** Consulting Seismologists

**JUST RIGHT INSTRUMENTATION:** Geophone,  
Wideband, Broadband

**INFRASTRUCTURE:** Secure, Scalable  
Cloud Data Center

**24/7 OPERATIONS**



Instrumental Software Technologies, Inc.

[isti.com](http://isti.com)

# Real-Time Traffic Light System for Induced Seismicity Monitoring

## Custom Real-Time End-to-End Induced Seismic Monitoring Solutions

### COUNT ON ISTI FOR:

#### Operations Driven Service Levels

- Actionable information (Traffic Light System)
- Automatic alerting thresholds by magnitude, location and or depth
- Service level agreements tailored to operational requirements
- Event review by experienced analysts

#### The ISTI *ADVANTAGE* System

- Real-time event detail available on your private ISTI *ADVANTAGE* web portal instance and by API for easy in-house GIS or Dashboard system integration
- Dashboards provide operational insights, updated in real-time
- Real-time catalog updates

#### State-of-the-Art Processing Techniques

- Rapid determination of event parameters
- Processing system optimized and proven for detecting well scale induced seismicity
- Advanced processing techniques including double difference, template matching and machine learning

#### Economical Hardware

- Seismometer performance optimization keep costs down
- Proven track record for reliability
- Expensive broadband sensors are not required

#### Rapid Response Monitoring Crews

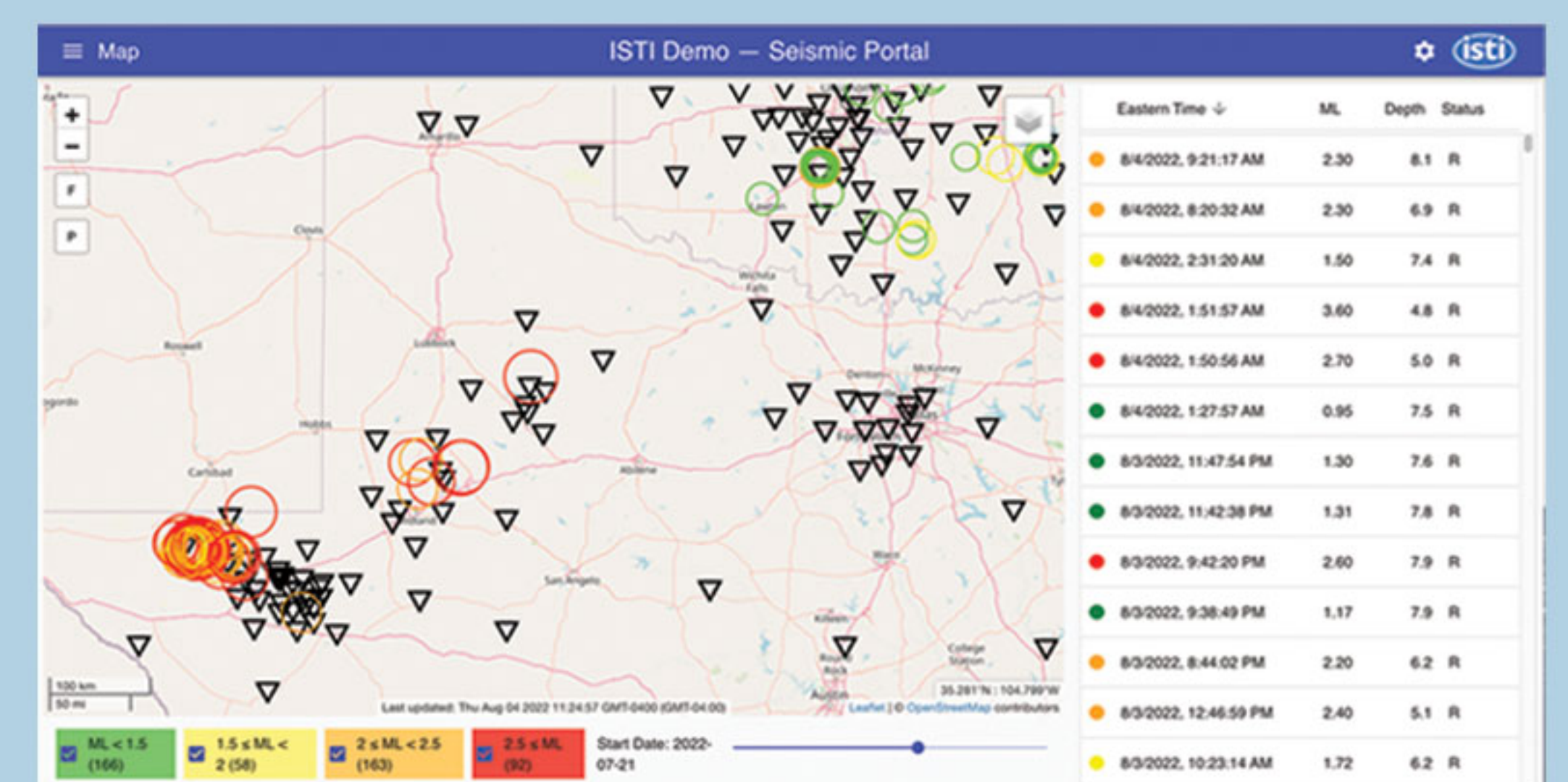
- Available in the United States and worldwide
- Ready to deploy on short notice

#### Scientific Expertise

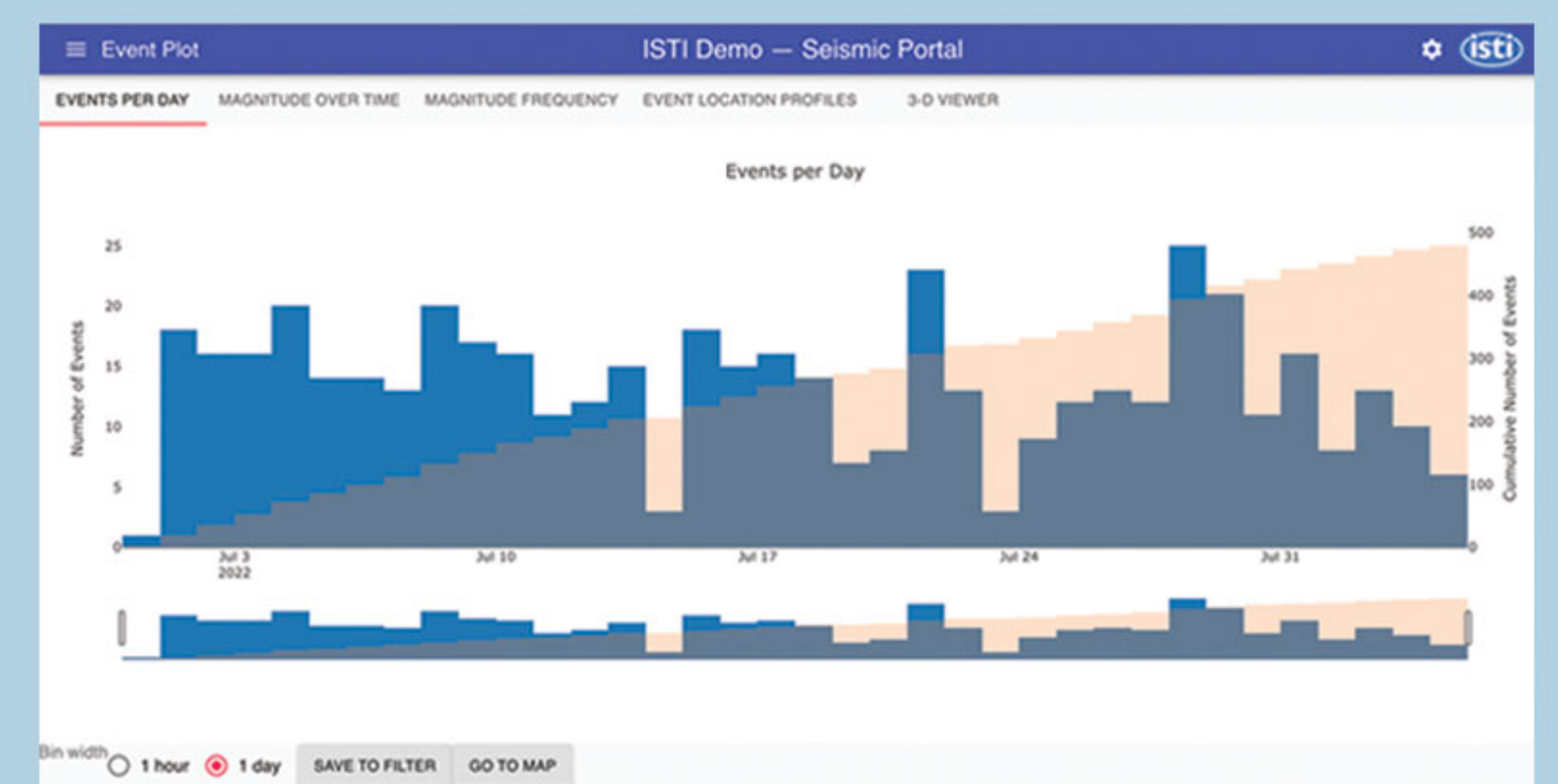
- Seismologists with significant operational experience in US basins
- Network design and velocity model creation
- PhD seismologists for study design and advanced data interpretation

ISTI installs seismic stations, including autonomous solar power, real-time wireless telemetry, digitizers and seismic sensors. Look to ISTI for a turn-key solution.

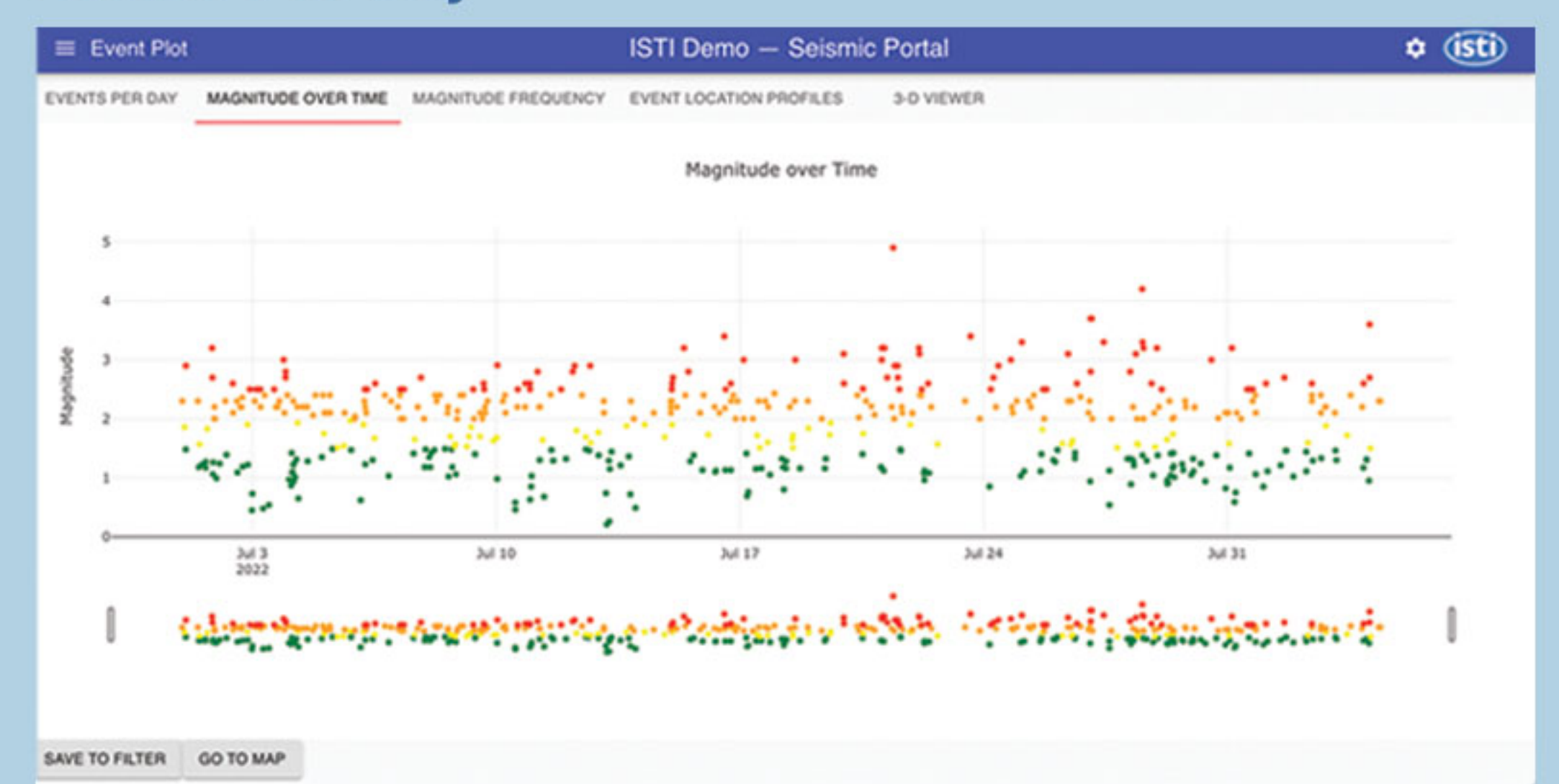
### ISTI *ADVANTAGE* PORTAL EXAMPLE VIEWS:



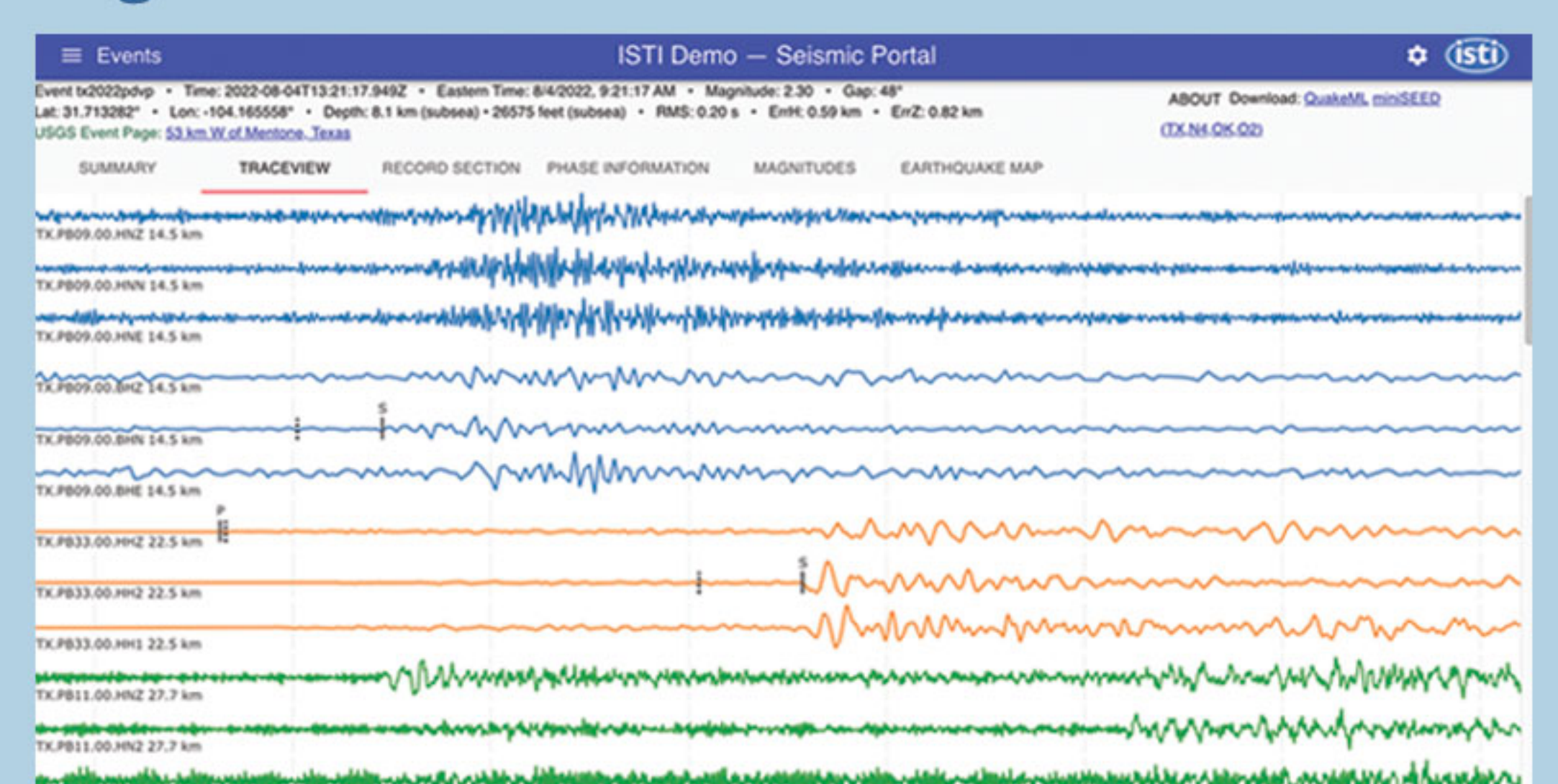
#### *ADVANTAGE* Web Portal Homepage



#### Events Per Day



#### Magnitude Over Time



#### Traceview



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