



The NEES@UCSB Data Portal:
A Web-based Tool to Search,
View Waveforms, and Download Data
From Vertical Arrays

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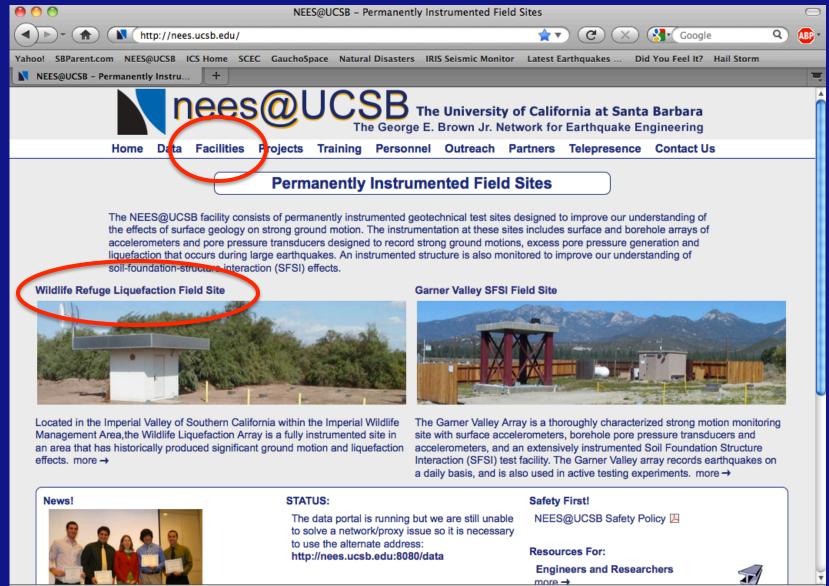
This Talk: How you can get to the earthquake data being recorded on Vertical Arrays every day

➤ New Web data dissemination tools:

Provide access to the data being collected from the permanently instrumented field sites to the engineering and seismology communities.



http://nees.ucsb.edu

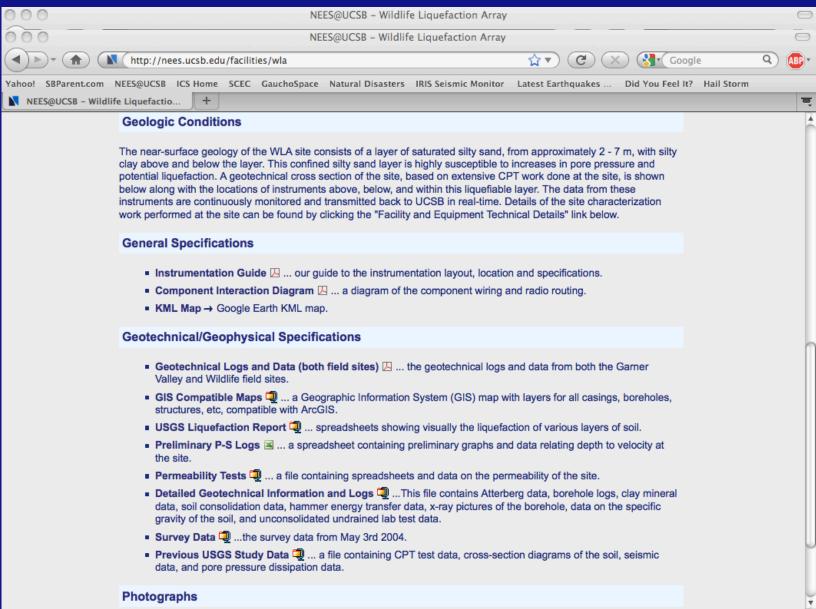


Done



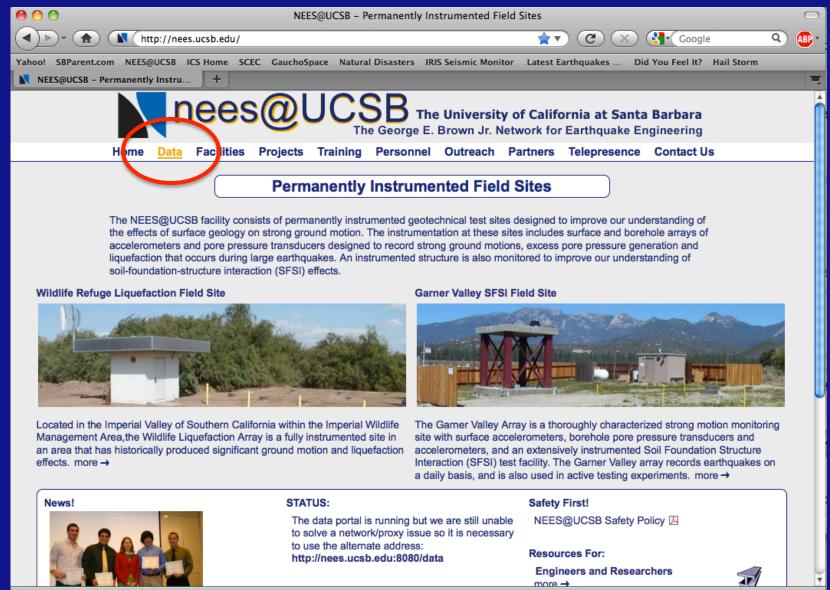
Done

http://nees.ucsb.edu/facilities





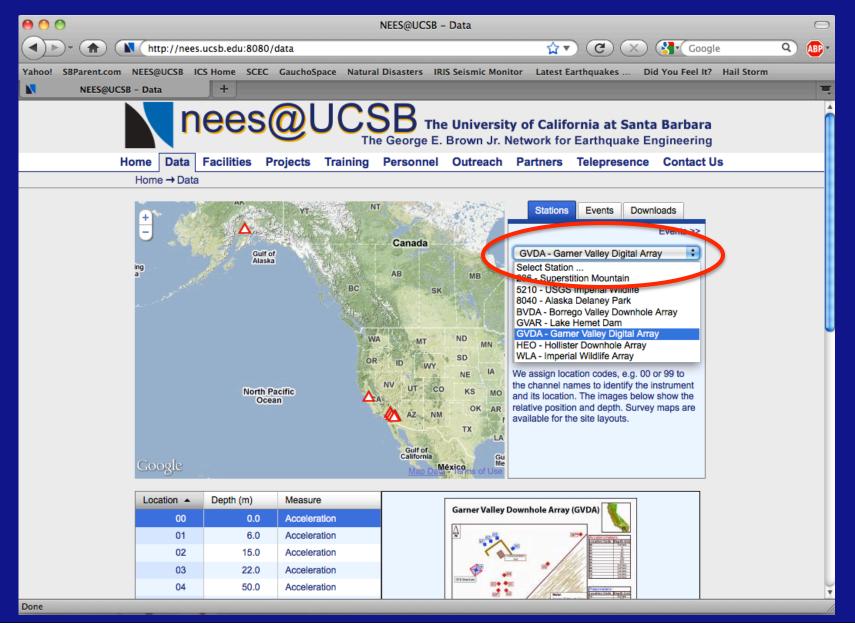
http://nees.ucsb.edu/data



http://nees.ucsb.edu:8080/data

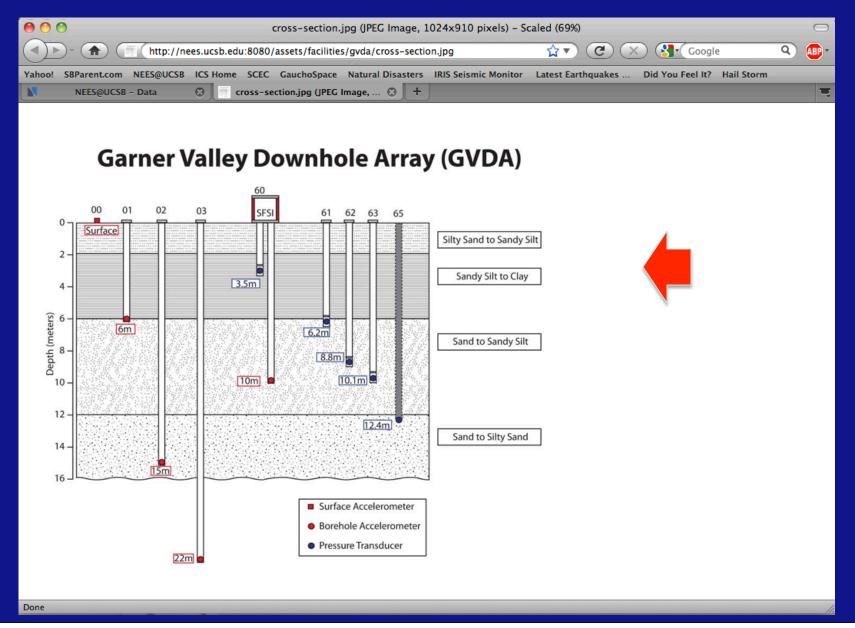


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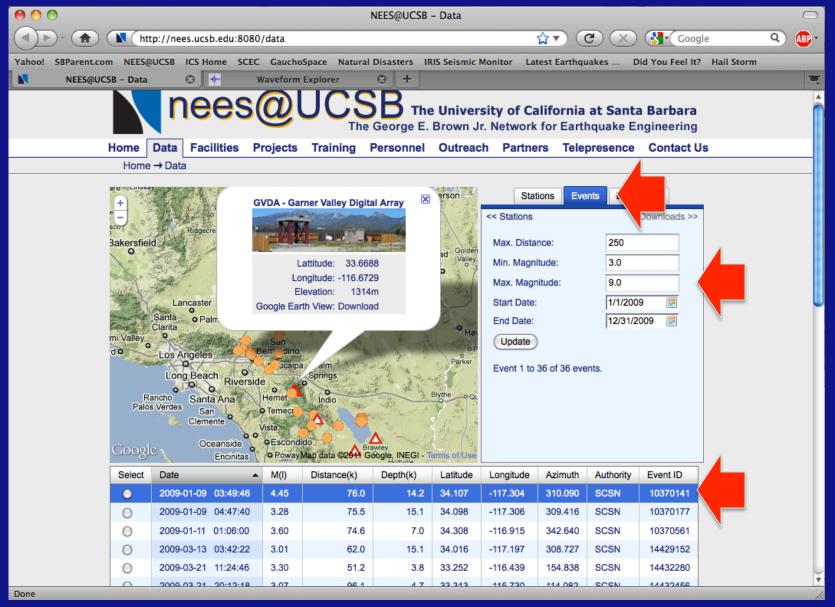


http://nees.ucsb.edu/data





The Event Search



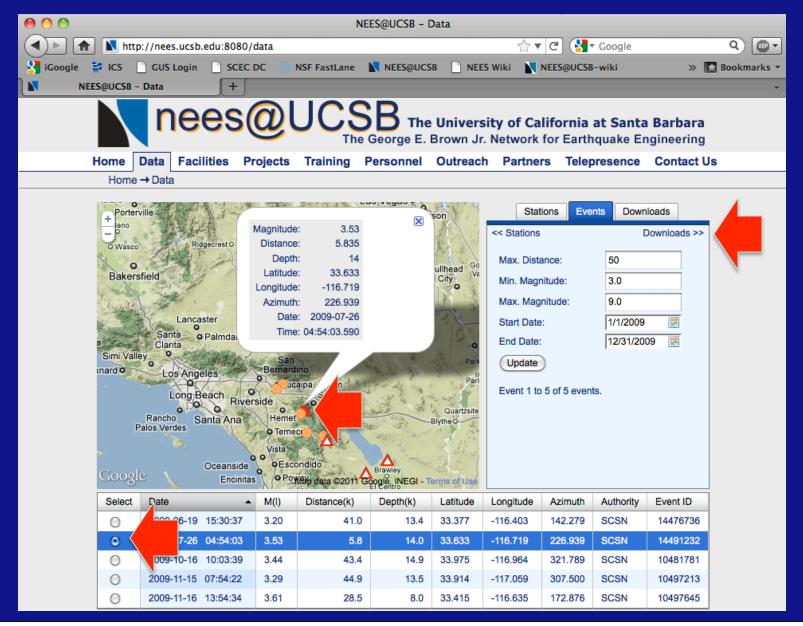


The Event Search

- > From 1/1/2005 to 12/31/2010
 - 3748 M1+ events available at GVDA
 - 5309 M1+ events available at WLA
 - We use a radius that increases as magnitude increases, so small events only from very close to site. Progressively larger events from progressively farther away.

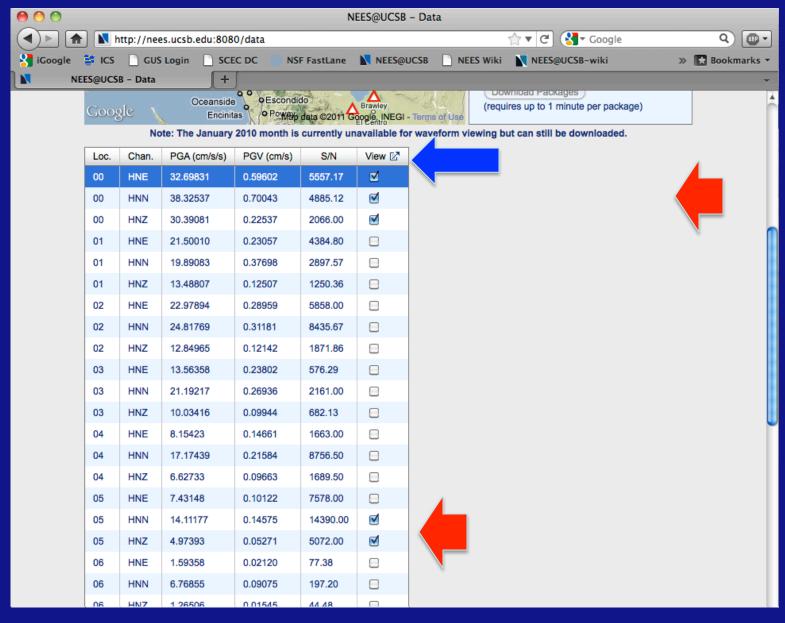


Select Your Event





Choose Waveforms to View





Click the view button and launch waveform viewer

dbwfserver
NEES / EarthScope Collaboration

Thanks to EarthScope Array Network Facility

Rob Newman

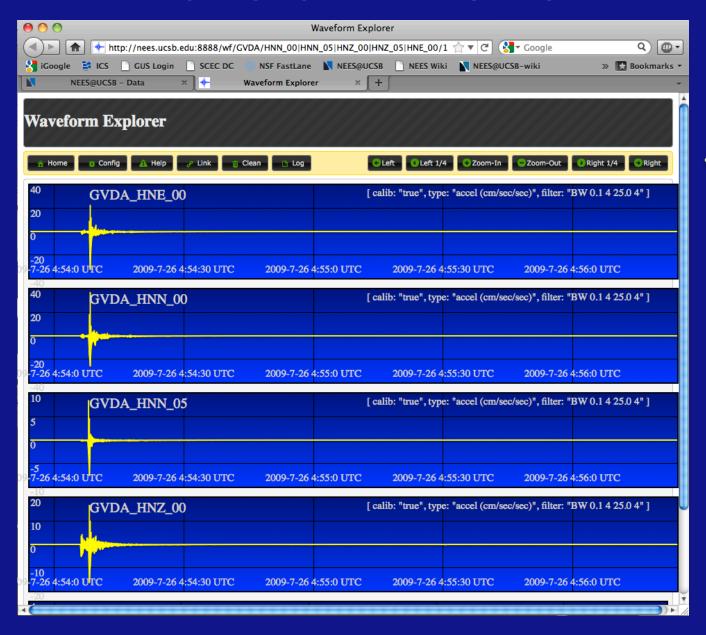
Juan Reyes

Kent Lindquist

Frank Vernon

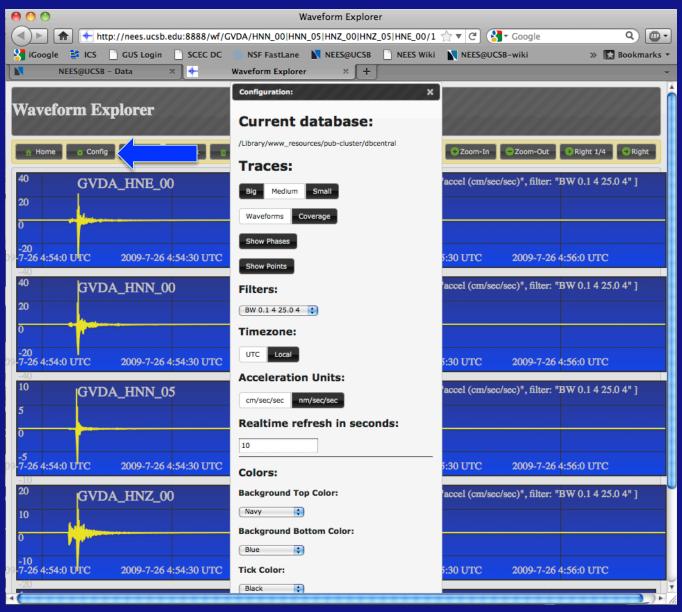


Waveform Viewer



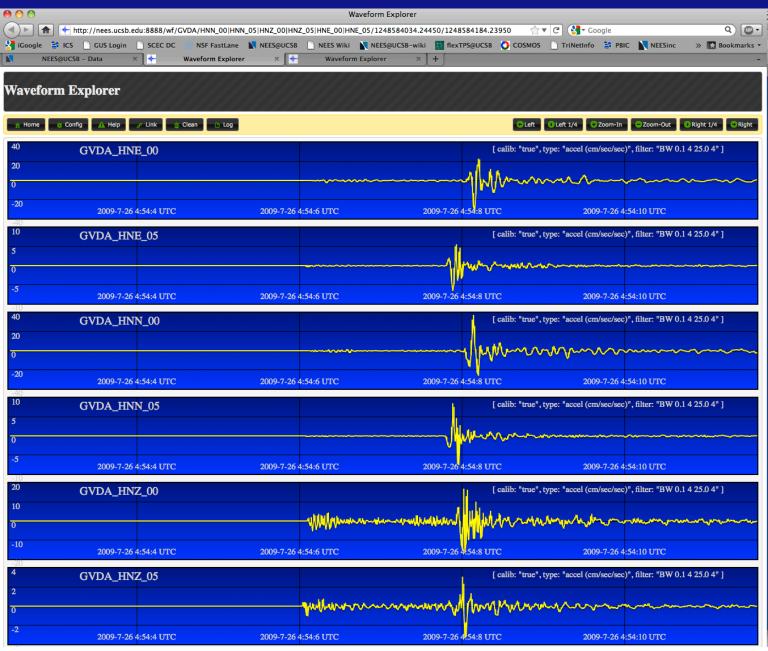


Waveform Viewer User Config



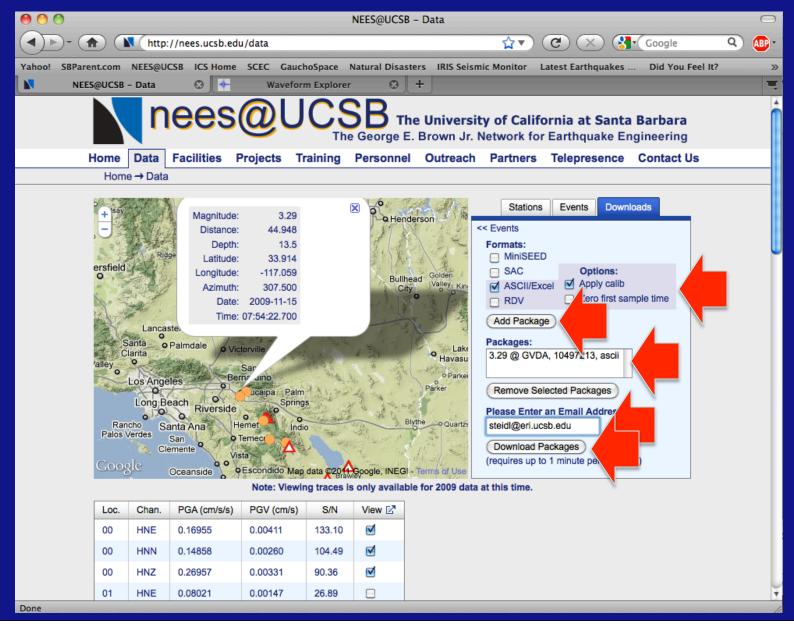


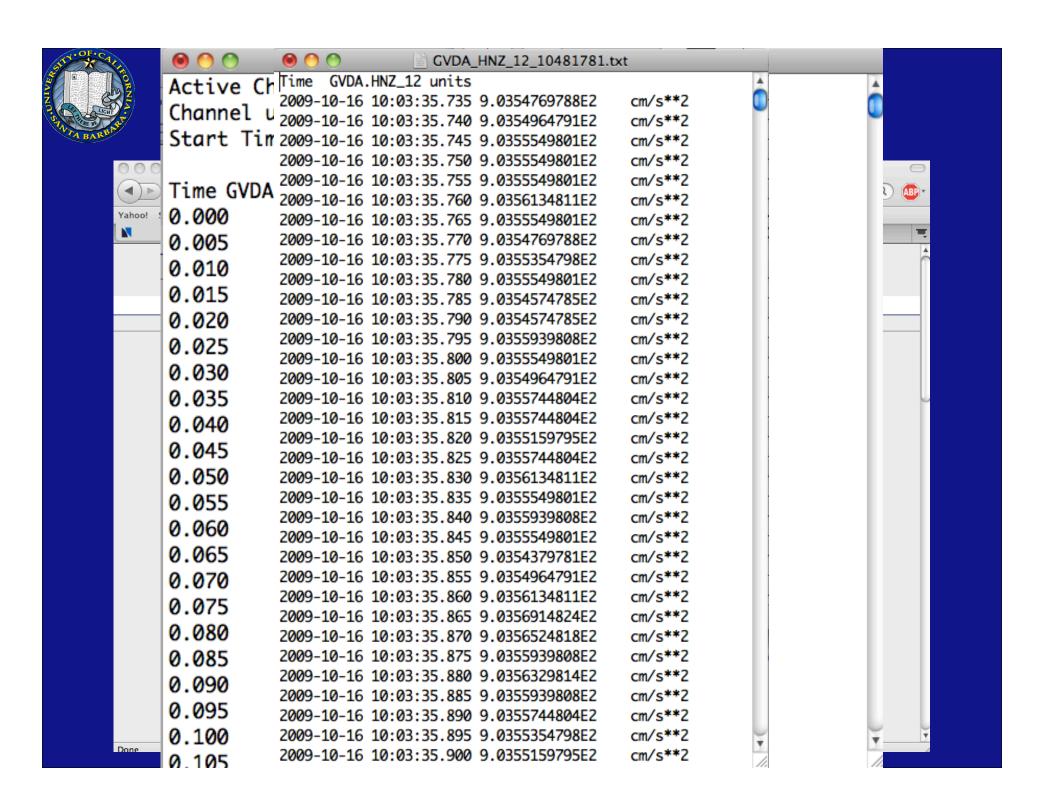
Waveform Viewer Zoom & Scroll





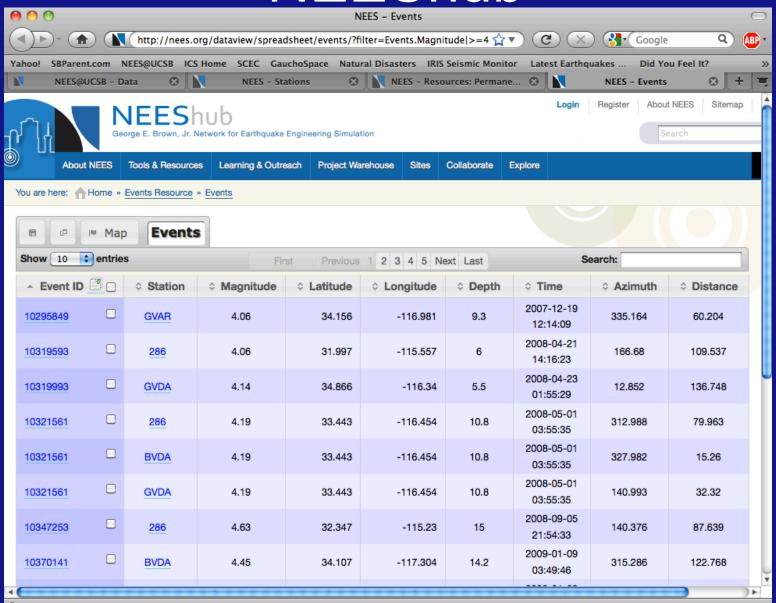
Download Data







Concurrent Development at NEEShub





Future Work

- Matlab reader automatically added to download package for MiniSEED files
- Choose relative or absolute scaling for waveform viewer
- ➤ Expand Holdings: Include vertical array data from other national and international providers
 - Greece
 - Turkey
 - Taiwan
 - Japan



Questions?

Thank You!