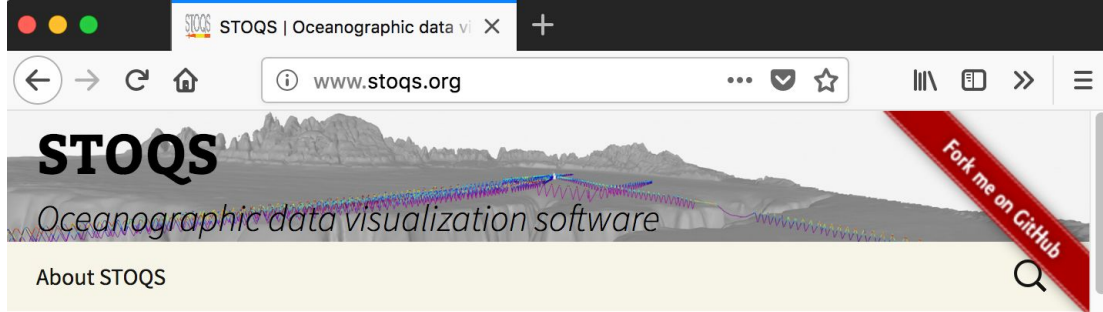


STOQS

Oceanographic Data Visualization Software



Sticky Announcement Mike McCann

Software for understanding robot data: Spatial Temporal Oce...

Map 3D

Santa Cruz Soquel City Monterey Bay

Click and drag to select a time-depth range

Depth Parameter

Time (min)

northward_sea_water_velocity_HR from -15.3 -2.183 10.93 24.05
M1_Mooring northward_sea_water_velocity_HR (cm s⁻¹)

Measured Parameters Clear Selection

Show Parameter-Parameter Show coordinates Filtered out parameters Standard Names

Parameter-Parameter Filter & Select for data access

X	Y	Z	C	Plot Data
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

AIR_TEMPERATURE_HR

Metadata: about 912,818 data values - 0.203 seconds

Get actual count

Leave a comment

Reasons to use STOQS...

- Want to understand sensor data from oceanographic platforms
- Want integrated analysis/visualization of data from many platforms
- Want to use community standards for data representation
- Want to integrate *in situ* and *ex situ* measurements
- Want to have one central repository for all your measurement data
- Want to have all data from a measurement campaign on your laptop
- Want to use modern tools like Jupyter for data analysis/visualization
- Want to visualize your platform's data in 3D in a web browser
- Want to share cool visualizations of your data
- Want to do machine learning and reproducible data science

Spatial Temporal Oceanographic Query System

- STOQS (Spatial Temporal Oceanographic Query System) is a geospatial database software package designed for providing efficient access to *in situ* and *ex situ* oceanographic measurement data
- Efficient data access capability enables development of advanced visualization and analysis tools
- STOQS includes a web-based user interface that follows Ben Shneiderman's mantra (Overview first, zoom and filter, then details-on-demand) for exploring collections of observational data
- 100% Open Source
- See <http://www.stoqs.org> for a short video and additional links
- See <https://github.com/stoqs/stoqs> for installation/contribution instructions