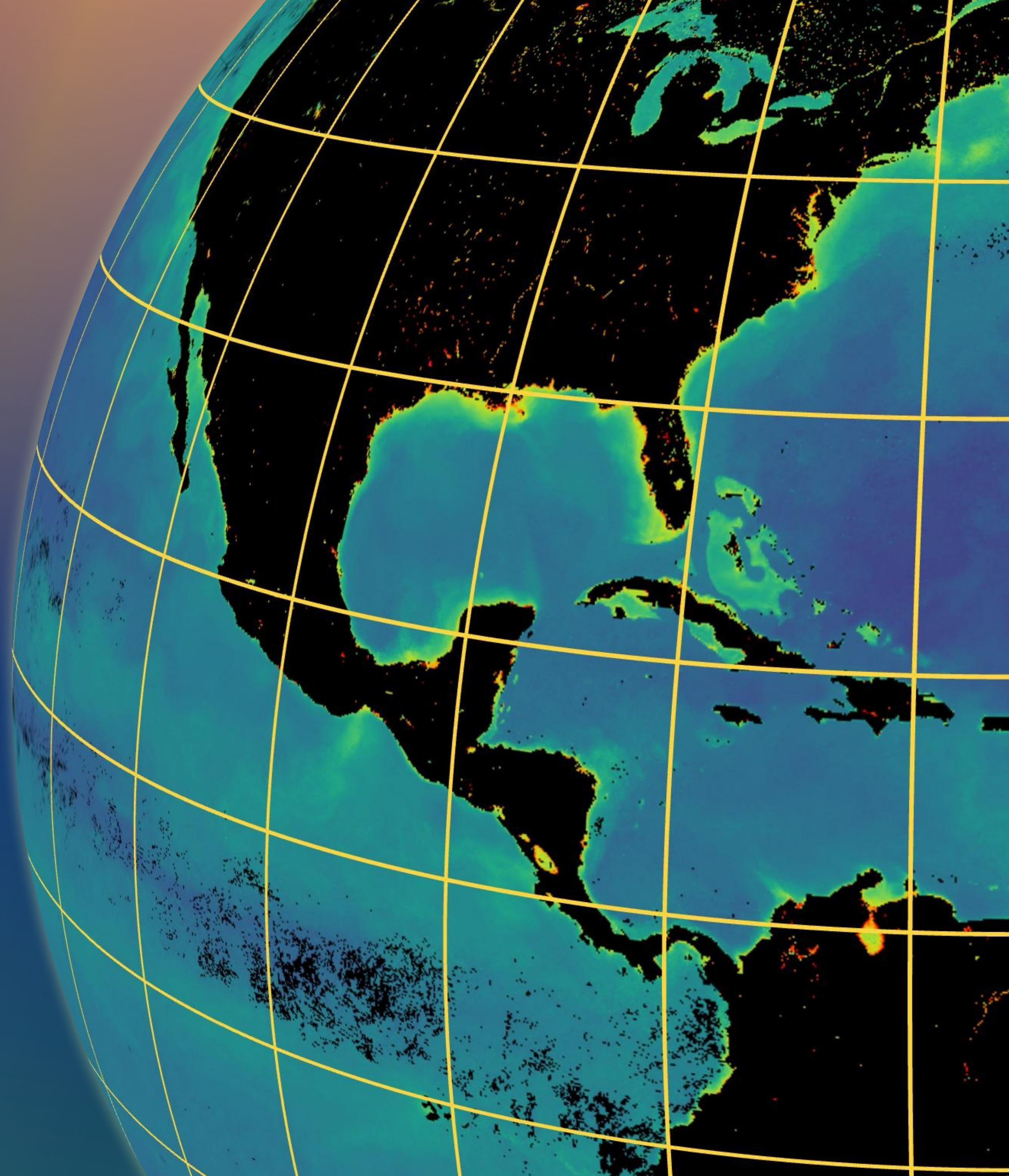# The CoastWatch Vertigo Project

Version 0.7 beta

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Terrenus Earth Sciences & RIVA Solutions for
NOAA/NESDIS CoastWatch Central Operations

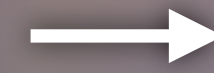# The goal of the CoastWatch Vertigo Project is to simplify the process of searching for and using data.

Typical steps for using new data

Search → Learn → Bookmark → Use

Vertigo software

Level 2 & 3 datasets

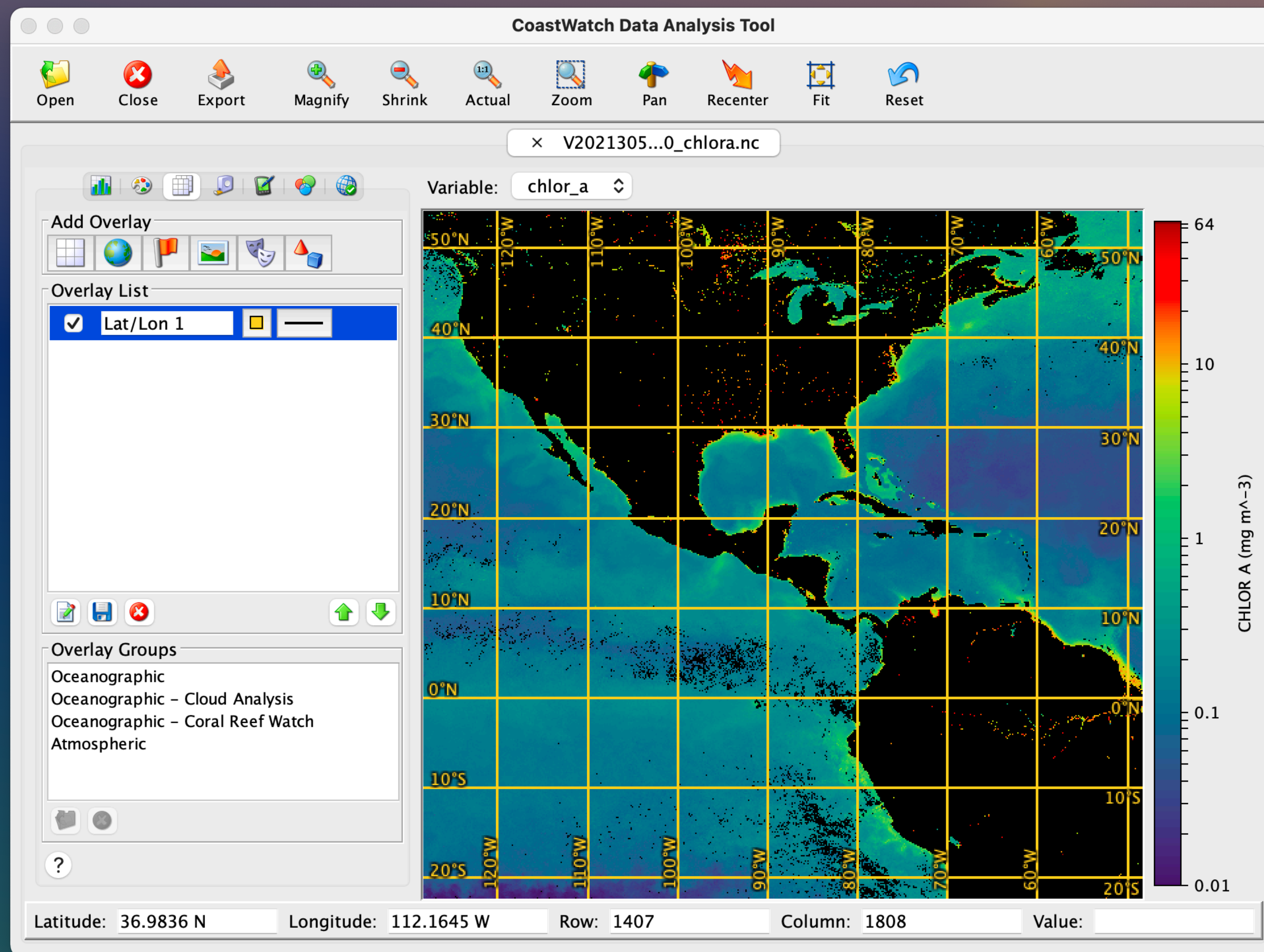Local Files   THREDDS   ERDDAP   Amazon S3   Google Earth Engine   …

The CoastWatch Data Analysis Tool (CDAT) was designed in 2001 for displaying data in CoastWatch product files.
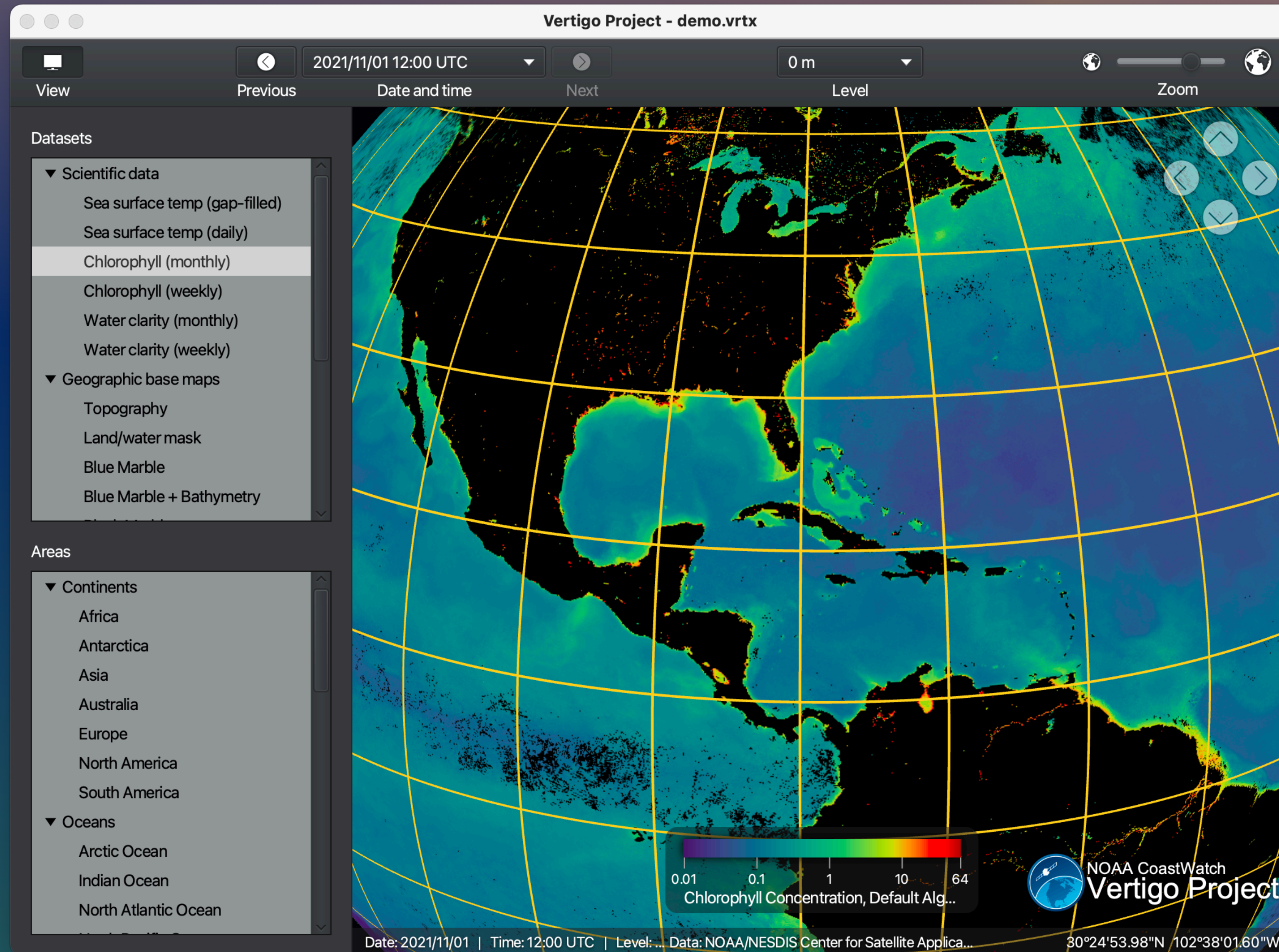

- Local data files

- Display in native data projection

- Single time/level image display

- Simple per-image analysis

- Data/image export

Vertigo will improve on CDAT and provide an intuitive interface for data search, visualization, and data extraction across data providers and servers.

Local data files + remote servers
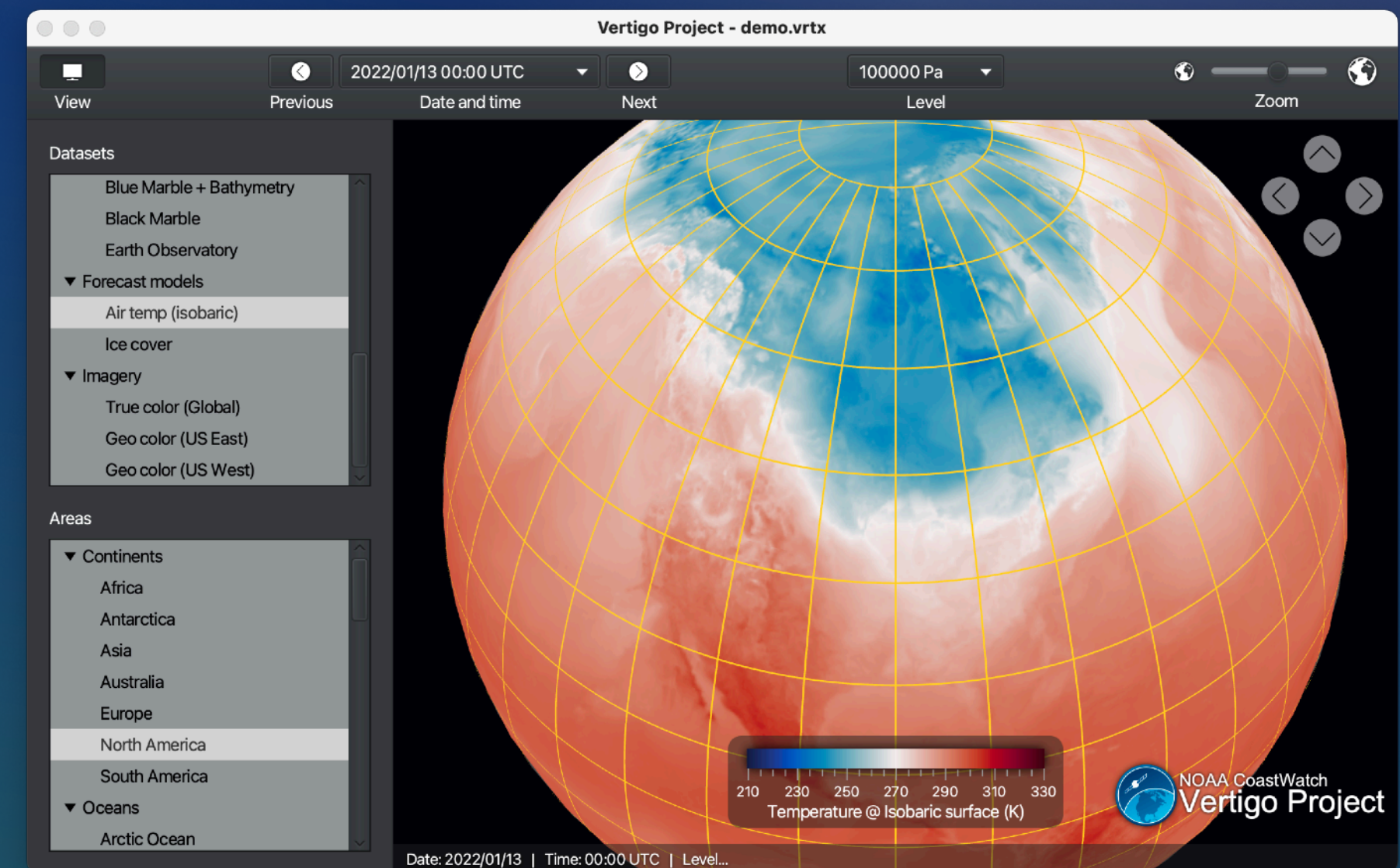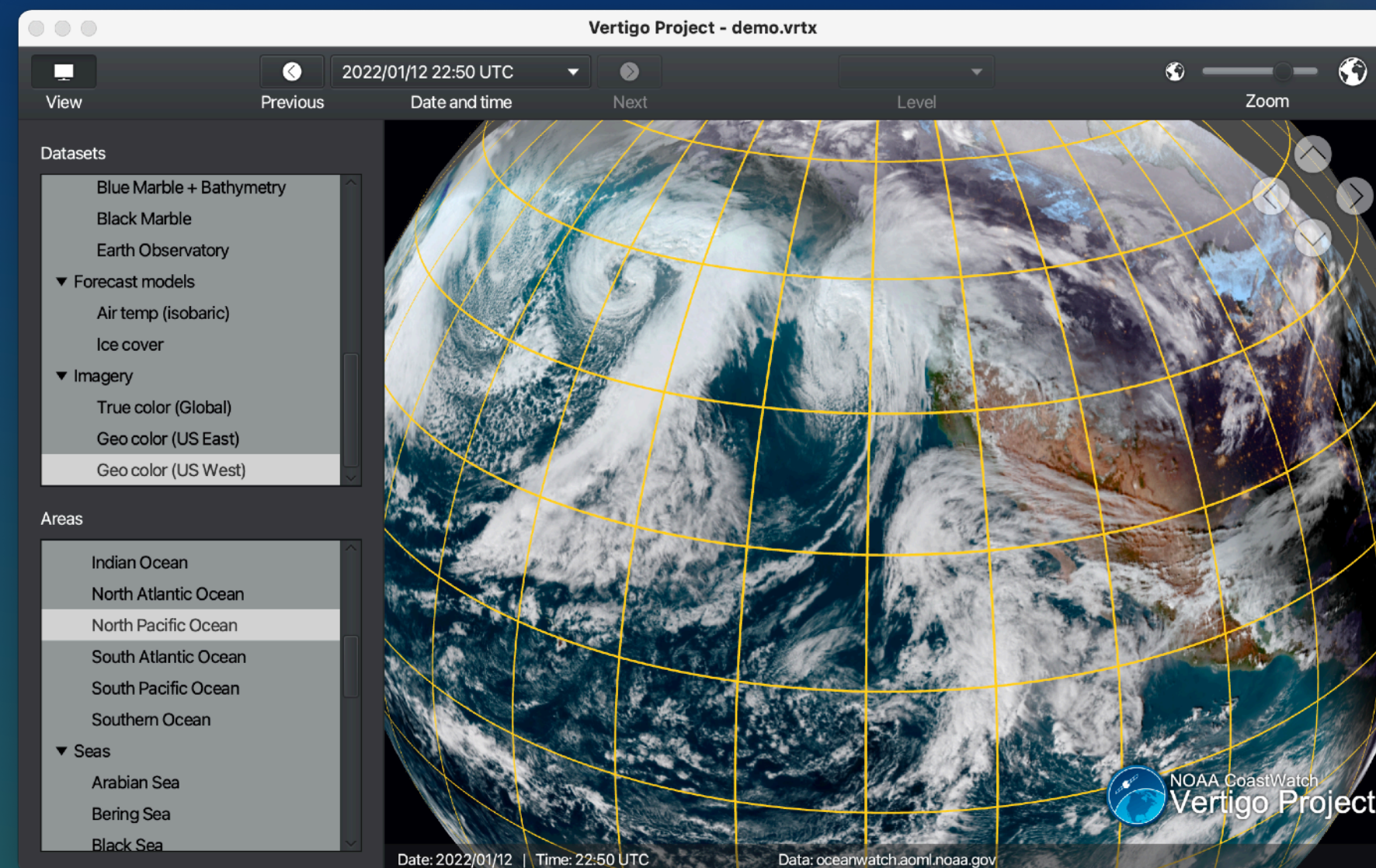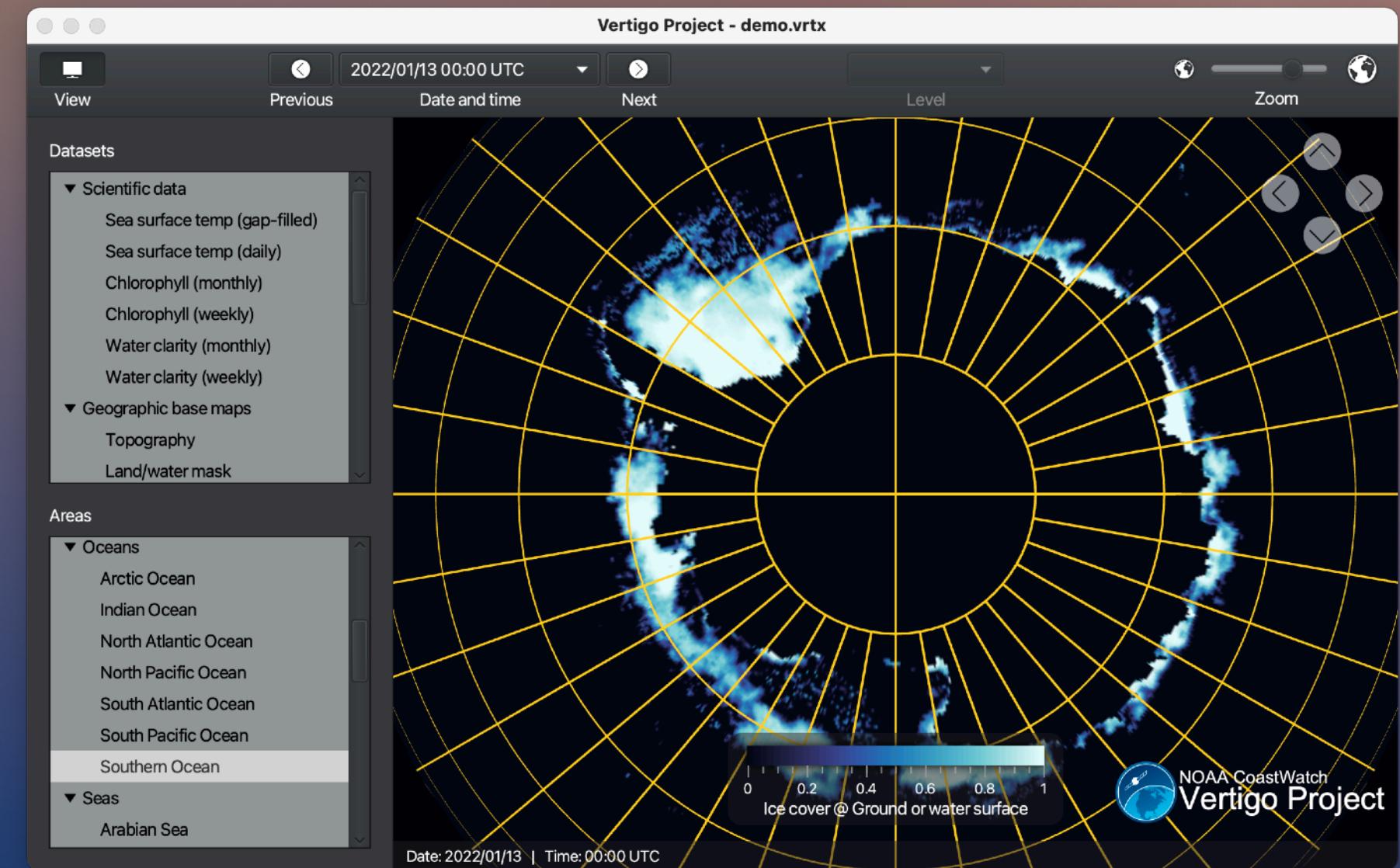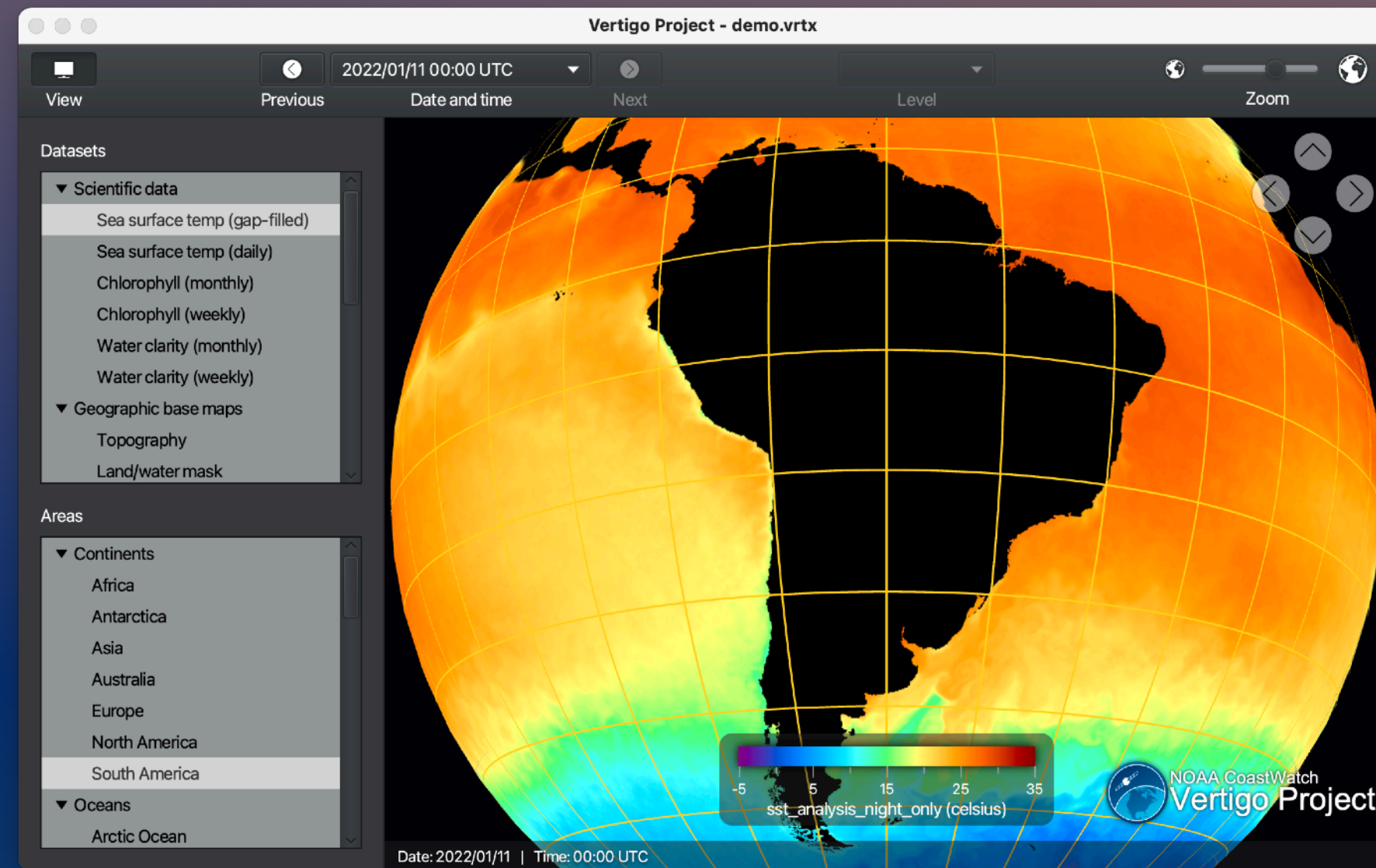
Display on a virtual globe

Multi time/level display

Time series data extraction

Data/image export

Project files

Vertigo 0.7 beta supports single layer display of local or remote level 2 and 3 data, tiled web maps, multiple time steps and levels, and snapshots.

Vertigo 0.7 beta is available on Github with build instructions, installable packages for all major operating systems, and YouTube video demos.

https://github.com/phollemans/vertigo

Windows   Mac   Linux

Demo