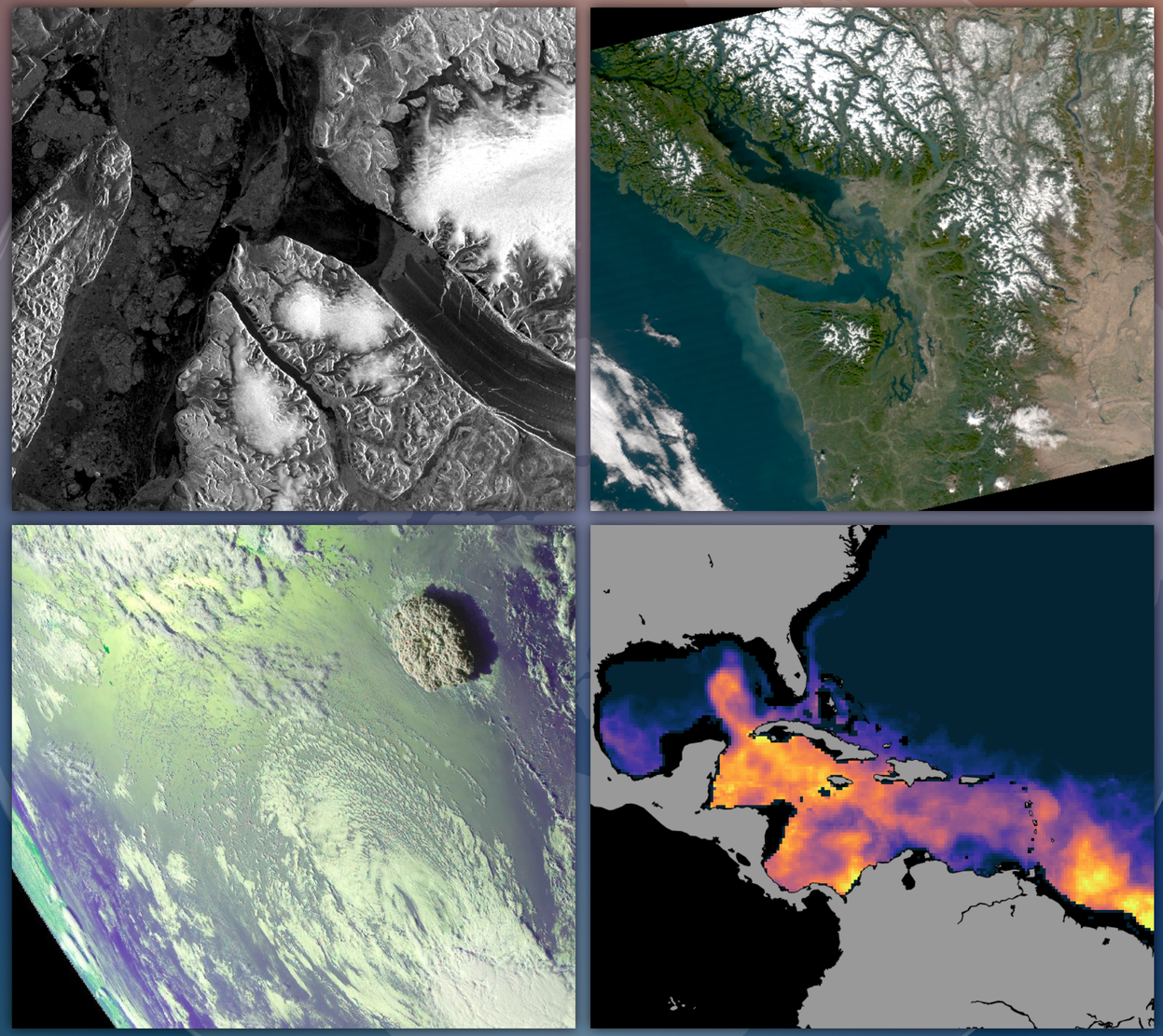
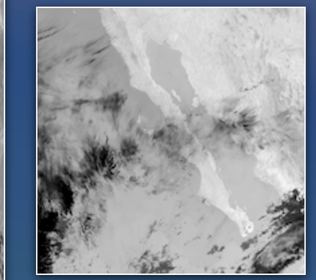
The CoastWatch Utilities 2022 Update

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

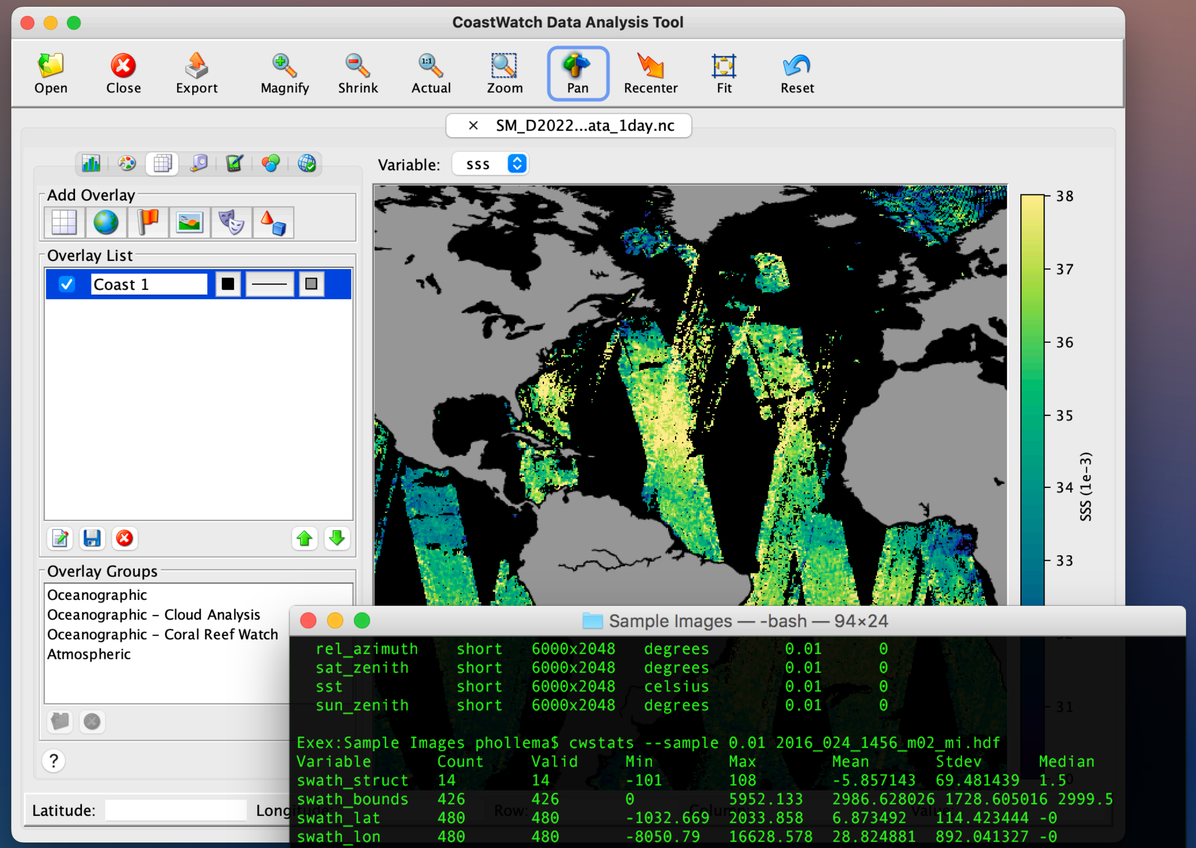
CoastWatch Annual Meeting
NCWCP, College Park, MD, May 2022

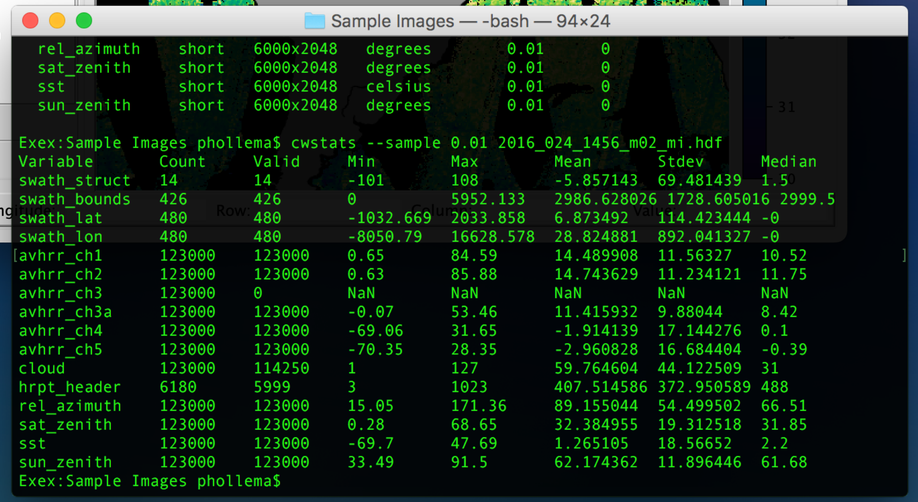


The CoastWatch Utilities are designed to process and transform satellite data in useful ways for data producers and users.



HDF
NetCDF
+ others …

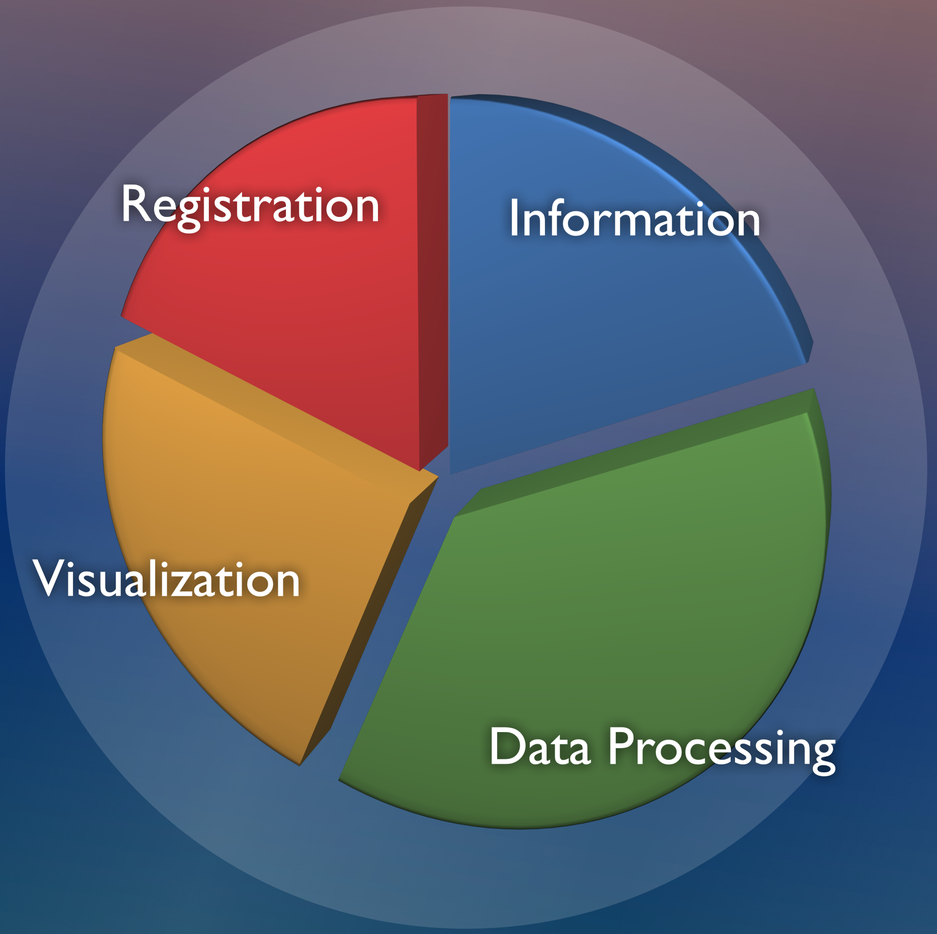




The software is actively used by a number of groups and forms an essential part of data processing systems.

Use of functionality

1	CW central operations
2	ACSPO Regional Monitor for SST
3	East & West Coast, Great Lakes
4	Commercial data users
5	NOAA/NESDIS staff (ad hoc)
6	CDAT users (global)



New versions are created twice a year and distributed from the CoastWatch central operations website.

~6-8 month release schedule

Oct 2021	3.7.0
Jun 2022	3.7.1

Windows

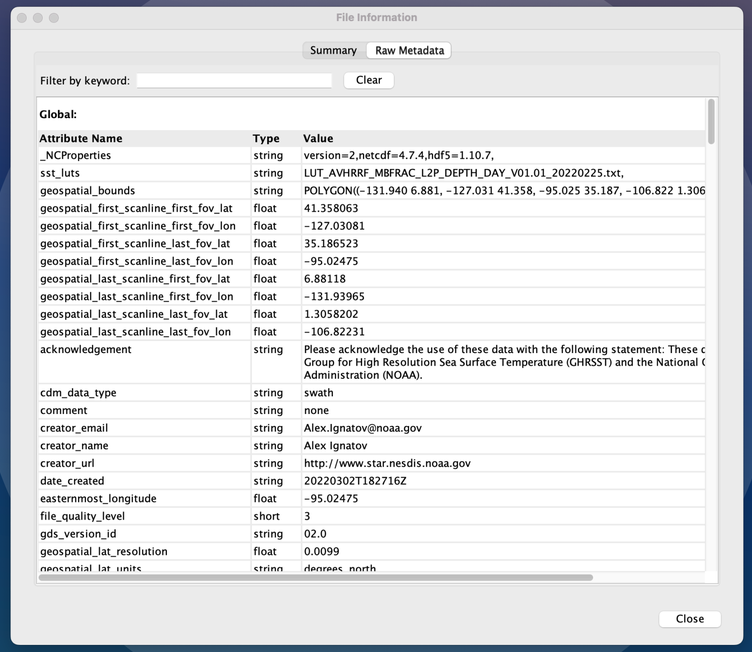
Mac

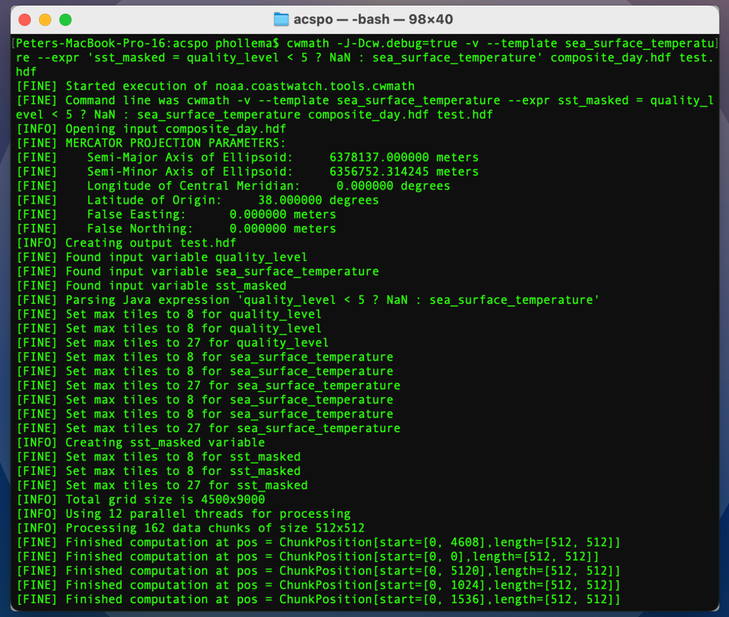
Linux

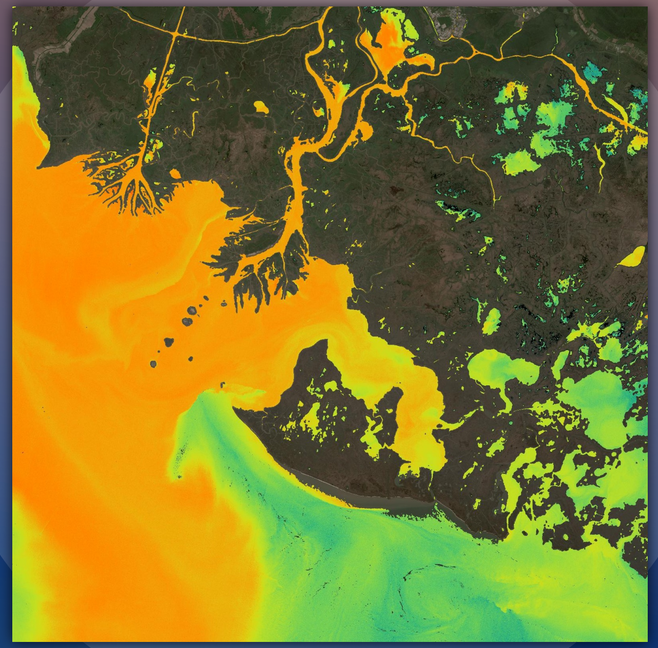
Installable packages: coastwatch.noaa.gov (look in User Resources)

Open source: github.com/phollemans/cwutils

The next release will include a number of useful improvements.







Metadata search

Multithreaded data processing control

Hybrid mode rendering

Also: Java VM updates, bug fixes, documentation updates

Demo