

Agenda

- CI Dashboard
- How best to present .zarr files
- Intern Projects
- How to engage with CI
- Questions





CI Dashboard – What makes a good dashboard?



"A visual display of the most important information needed to achieve one or more objectives; consolidated and arranged on a single screen so the information can be monitored at a glance".

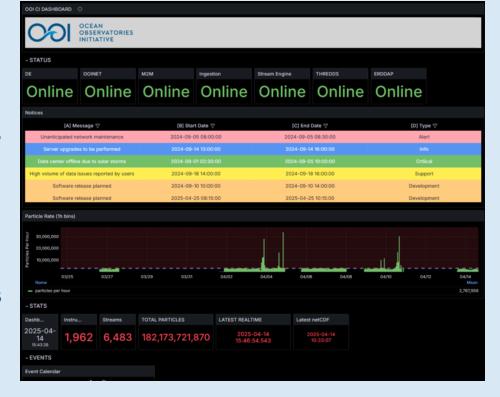
Stephen Few 2023



CI Dashboard - Potential content

- Process Status
 - M2M
 - Edex
 - Stream Engine
 - Data Explorer
- System Notes
 - Detail of a particular status
- Cl Calendar
 - System maintenance
 - Software migration
- Data Explorer
 - Last refresh date
 - Data load queue
- M2M Queue
- Interactive data bus

- System Status and Metrics
 - Nagios
 - Zabbix
 - Grafana
- System Notes
 - Detail to a particular status
- Ingestion Queue
- Data ingestion rate
- Data Quality Information

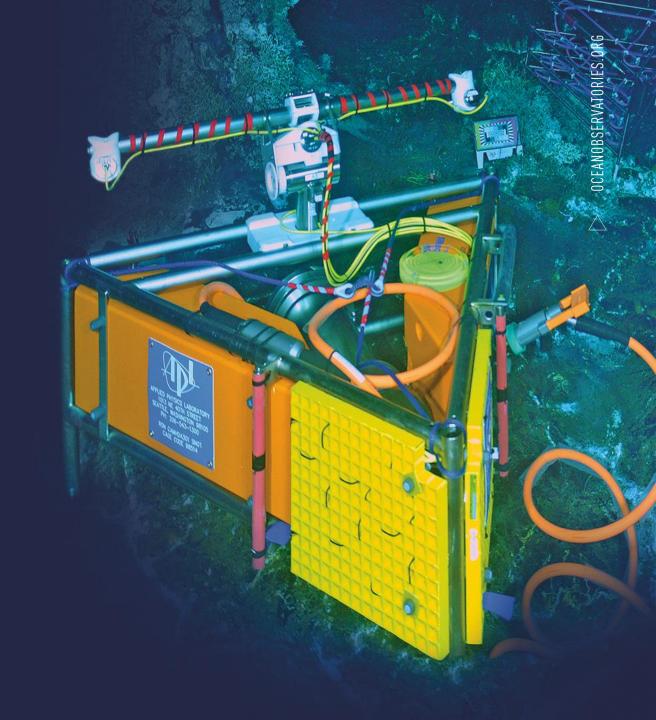


- Some of these data elements will only be visible internally to OOI
- What would the DSC like to see as data elements?
- While this is a dashboard, does it make sense to add a links section?





Questions?



> OCEAN

Creation of Filetype .zarr

- OOI now has the ability to create .zarr files post Stream Engine processing.
- Feedback from the Fall OOIFB/DSC meeting set chunking method to time and file size (100Mb).
- How should OOI offer this data format?
 - As as a new collection?
 - A choice of filetype via M2M?



NSF CI Compass Fellows 'Intern' Projects

- Project 1: Combine external scientific data with OOI scientific data utilizing each systems' API.
 - Goal is to build a group of JupyterHub Python notebooks that connect OOI API data with other programs' methods of accessing data programmatically.
 - Normalize, to the extent possible, the two sources of data
 - Relate the data to a common quest (e.g. El Nino/La Nina effect on parameter X)
- Project 2: Build on prior machine learning project to better categorize Digital photos for underwater vs above water.
 - Prior iteration analyzed both video and stills. The issue not resolved is taking into account discoloration that makes detection of camera location difficult.
 - An alternative to the above is to analyze CGSN Irminger video for Iceberg detection.
- What would the DSC recommend as additions or finer points to the above Projects?
- Are there recommendations for future CI Compass Fellows projects?





How to engage with CI

- What would be a good forum (e.g. Town Hall, Office Hours, Newsletter)
- Currently hold Town Hall meetings to demonstrate new features or functionality. We've not had to do this recently.

E.g. - How to communicate availability of Jupyter Hub or facilitate the sharing of notebooks?

