International Ocean Colour Science Meeting 2013

Advancing Global Ocean Colour Observations

Splinter 11

Satellite Data File Formats and Tools for Easy Science Exploitation

Objectives

Delivering consensus recommendations on

data file content and format, meta-data, processing and analysis tools

agreed by a larger community, as represented at the IOCS conference

→ <u>tangible progress & concrete statements</u>

Agenda

14:50 – 15:30	**Data file content and formats (Franz)**
	NASA's perspective on ocean colour data formats and contentions (Sean Bailey, NASA GSFC)
	Discussion
15:30 – 16:30	**Data processing, analysis and exploitation tools (Brockmann)**
	Processing and validation environment MERMAID and ODESA (Constant Mazeran, ACRI-ST)
	SeaDAS and BEAM user tools (Sean Bailey, NASA & Norman Fomferra, Brockman Consult)
	Discussion
16:30 – 17:05	**Data distribution (Elliot)**
	EUMETSAT's means and plans for distributing ocean colour data (T. Heinemann, EUMETSAT)
	Discussion
17:05 – 17:15	**Review of main messages to be passed to the plenary**

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SEED QUESTIONS

Data file content and formats

- Do users need access to Level 0 data?
  - Who?
  - Which other data are needed (calibration, in-situ, …)?
  - What you going to do with it?

- Shall / can we agree on a common data format?
  - netCDF?
  - Is the CF convention applicable to ocean colour?

Data processing, analysis & exploitation tools

- What are the gaps of today's tools w.r.t. to upcoming OC data?
  - Data selection tools
  - Processing tools
  - Data analysis tools
  - Data management tools

- How to deal with uncertainties in the tools?

- What are the key requirements from a user point of view?
  - Heritage
  - Extendability
  - …

Data distribution

- What are "lessons learnt" today – what works, what does not work?

- Which ways of data distribution would users prefer
  - For NRT data provision
  - Fro offline data provision

- How can we ease the way to work with long, possibly multi-mission, time series?

Splinter 11 Session Report

SATELLITE DATA FILE FORMATS AND TOOLS FOR EASY SCIENCE EXPLOITATION

- To be completed during the session