Ocean Surface Topography Science Team Meeting (OSTST)
October 20-23, 2015

Broadview Radar Altimetry Toolbox

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Summary

1. Project overview

2. Project status

3. Future phases

Summary

1. Project overview

- The project started in 2005 from the joint efforts of ESA and CNES with the Basic Radar Altimetry Toolbox (BRAT).

- The **Broadview Radar Altimetry Toolbox** project is the evolution of the existing BRAT, including:

  - New datasets

  - New features

  - New GUI

- The project aims at reaching out to both **novice** and **expert** users of the Altimetry Science Community.

- Gather feedback from the User Community.

Summary

2. Project status

- **Release A** (BRAT 3.3.0) was released in **September 2015**, available for downloading in the website.

- This version includes:

NEW DATASETS	NEW FEATURES
• Sentinel-3 L1B and L2	• CODA Library Upgrade
• Jason-3	• NetCDF 4 Upgrade
• CryoSat-2 Baseline C	• Porting to 64 bits
• CryoSat-2 Ocean Products	• KMZ/KML Export Update
• SARAL AltiKa	• Python API Upgrade
• HY-2A	• Import to GPOD analysis

2. Project status

www.altimetry.info

- Download the Toolbox and its User Manual

- Download open source code

- Propose modifications and/or new contributions https://github.com/BRAT-DEV/main

- Access to data

2. Project status

NEW WEBSITE   **www.altimetry.info**

Radar Altimetry Tutorial and Toolbox
esa · cnes

Toolbox | Code | Data Access ⌄ | Links ⌄ | Altimetry Tutorial ⌄ | SAR Tutorial | Missions ⌄ | Use Cases ⌄ | Help ⌄
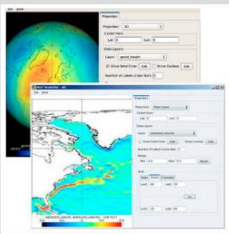
Toolbox · Code Access · Data Access · Webs / Documents
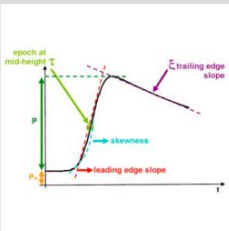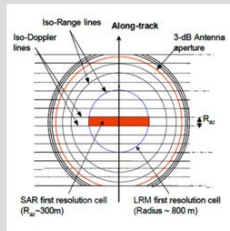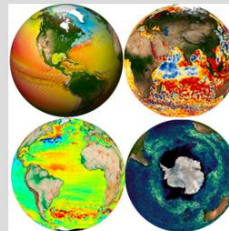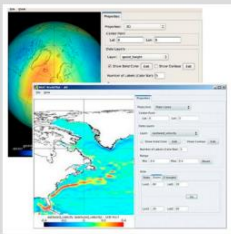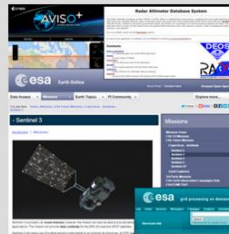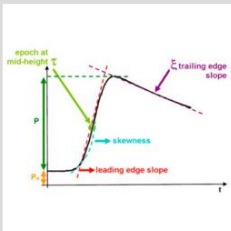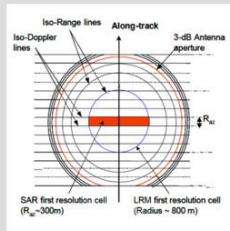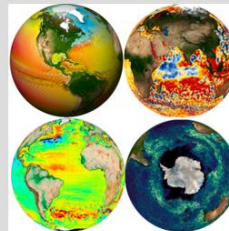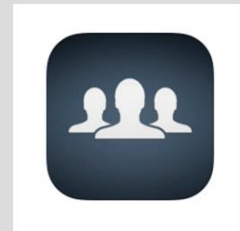
Tutorial · SAR Tutorial · Thematic Use Cases · HelpDesk / Forum

- Access a catalogue of all ESA main reference documents and websites

- Read written tutorials

- Watch video tutorials

- Access use cases

- Contact the consortium through the helpdesk

deimos ENGENHARIA · isardSAT · TUDelft · esa · cnes

Summary

1. Project overview

2. Project status

3. **Future phases**

3. Future phases – Release B

- **Release B** will be delivered in **March 2016.**

- It will include

NEW DATASETS	NEW FEATURES

- Sentinel-3 L1A and L1B-S
- ERS REAPER

- Visualisation functions improvement
- New GUI

3. Future phases – Release B

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<table>
<tr><td>**NEW DATASETS**</td><td>**NEW FEATURES**</td></tr>
</table>

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Based on **user feedback**, new mock-ups for the **Broadview Radar Altimetry Toolbox** have been created.

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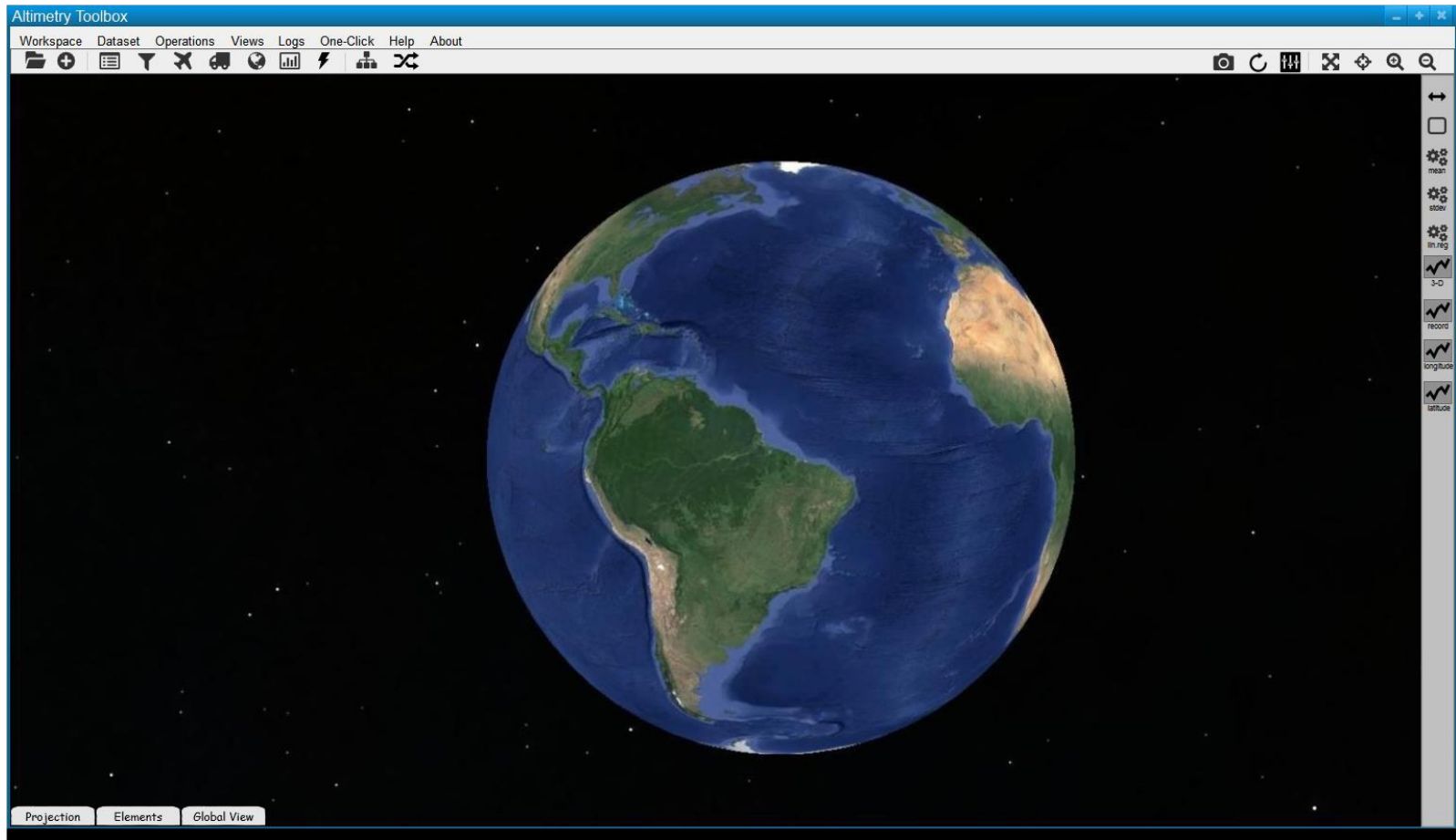
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NEW GUI

Based on **user feedback**, new mock-ups for the **Broadview Radar Altimetry Toolbox** have been created.

The **final user interface** will be defined during the design of release B with the inputs from the users' community.

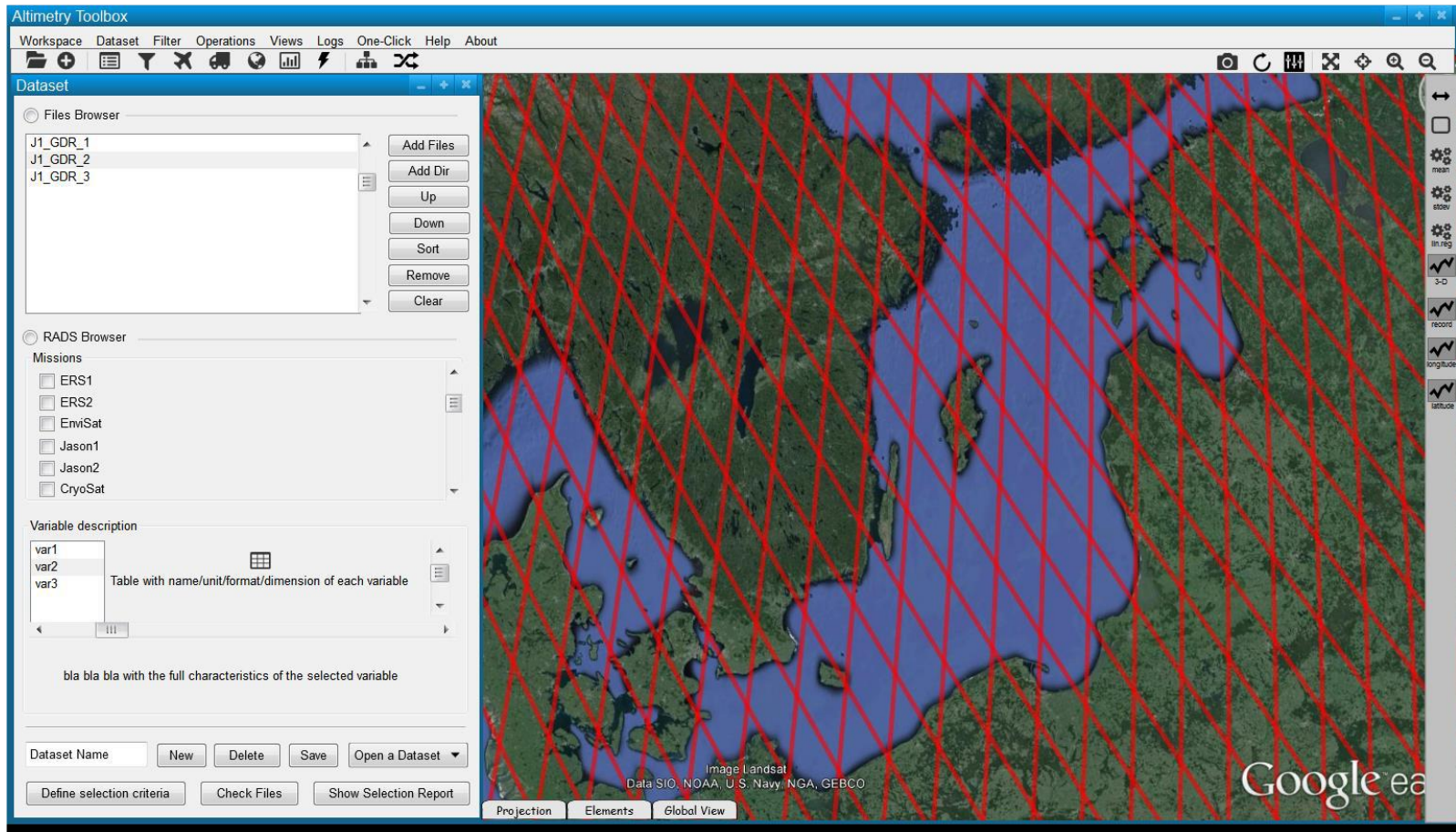**NEW GUI**   **Main window**
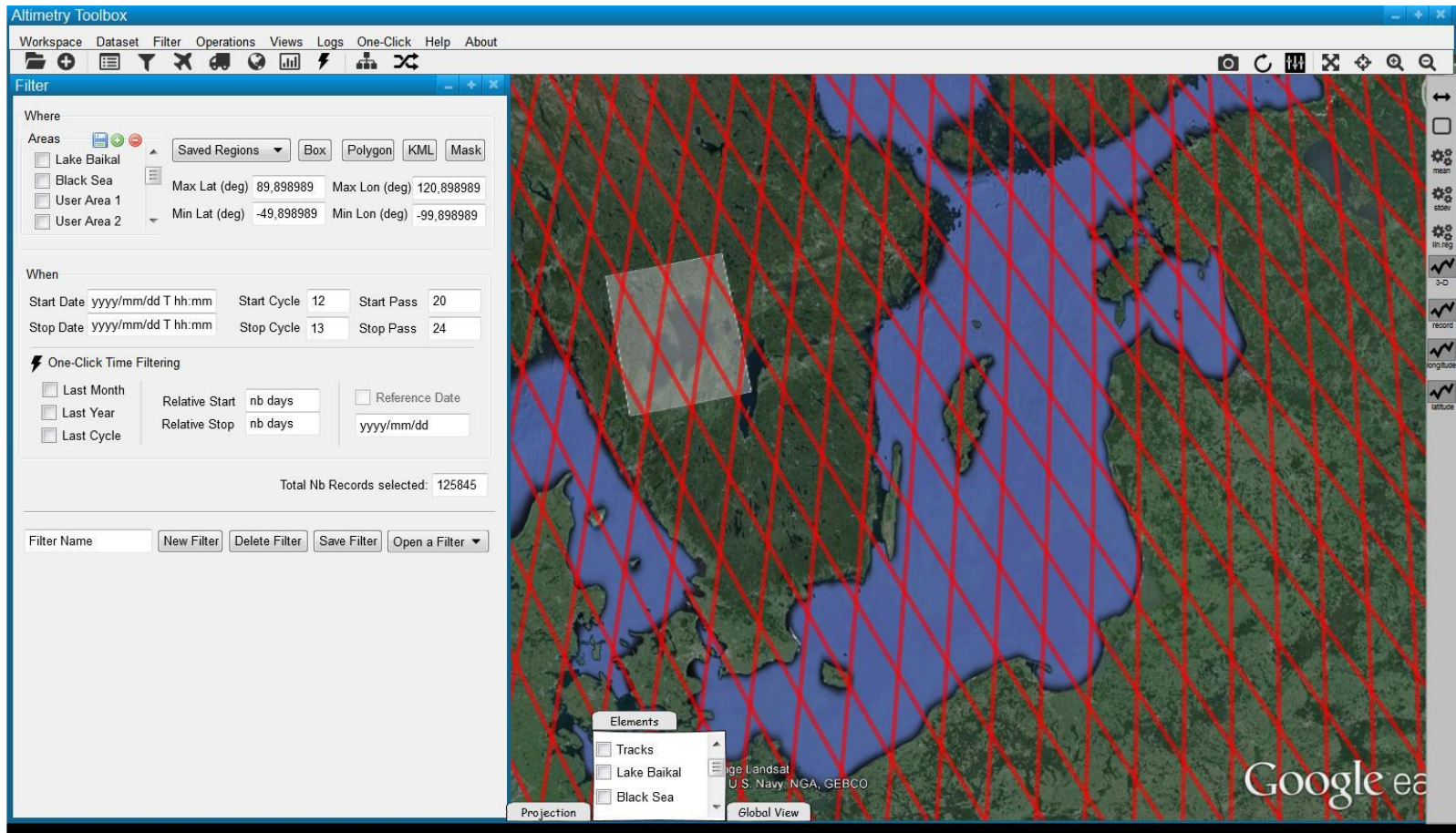
3. Future phases – Release B

NEW GUI　　**Workspace and datasets**

3. Future phases – Release B

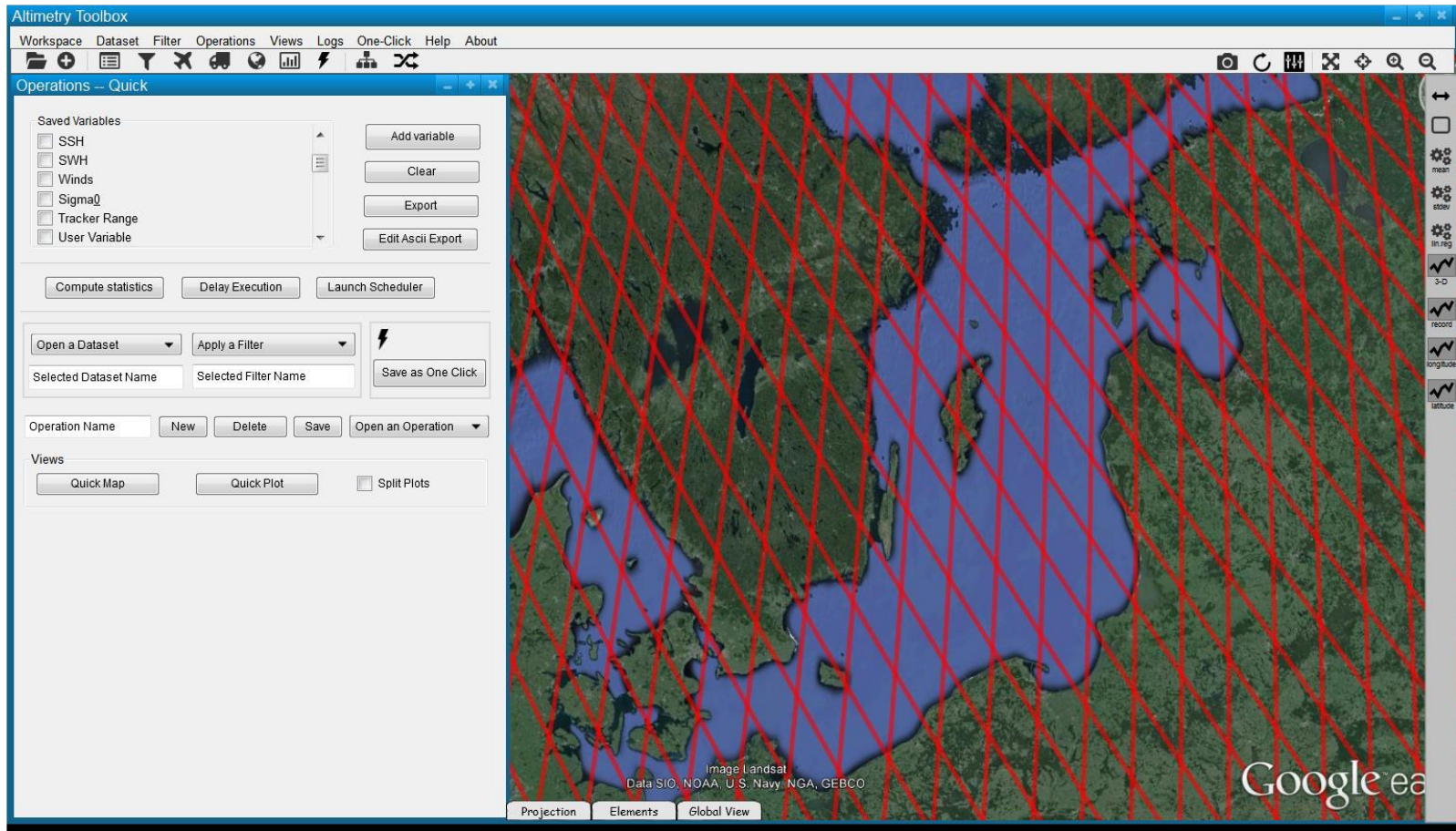**NEW GUI**   **Filters**

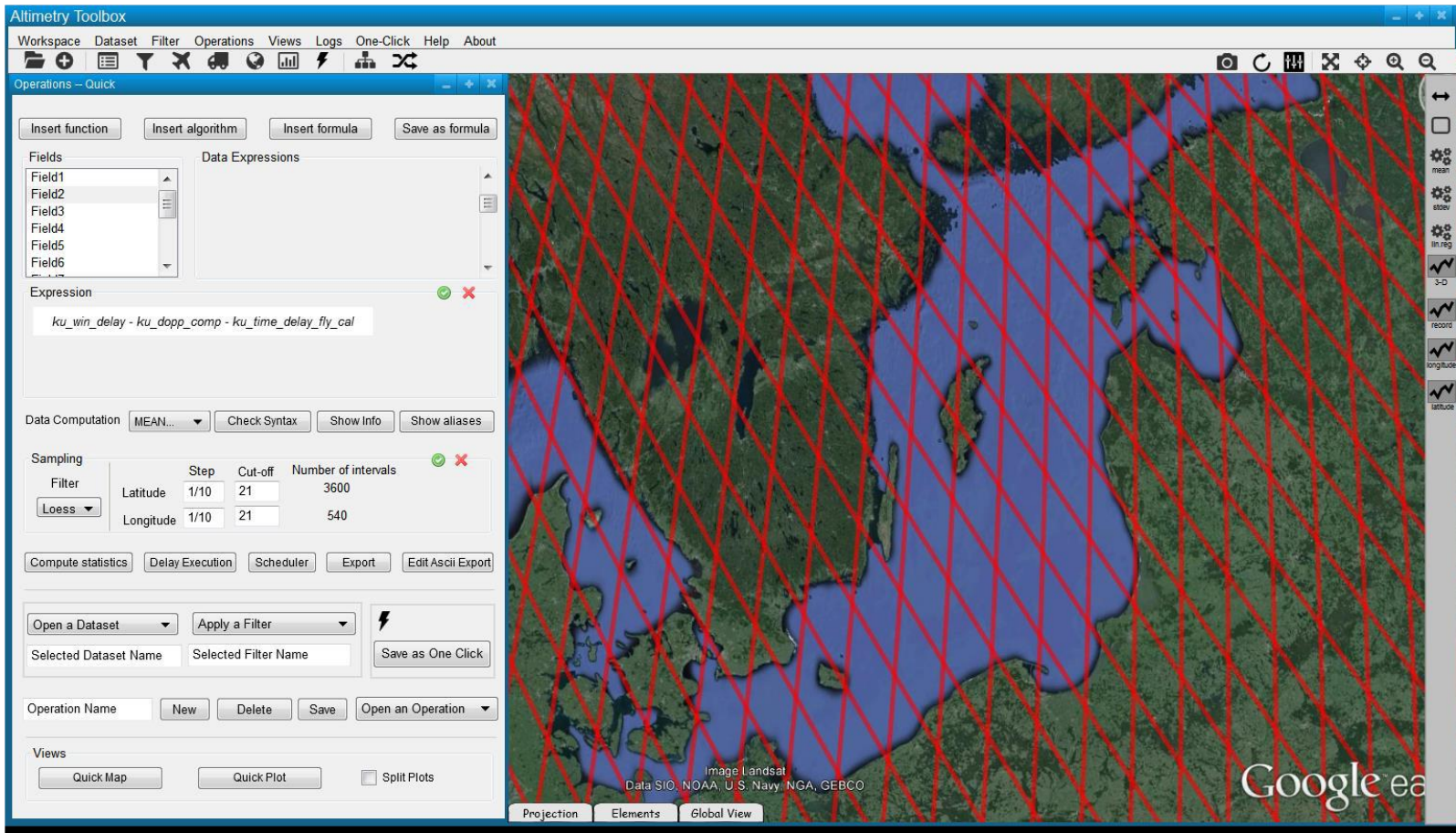# 3. Future phases – Release B

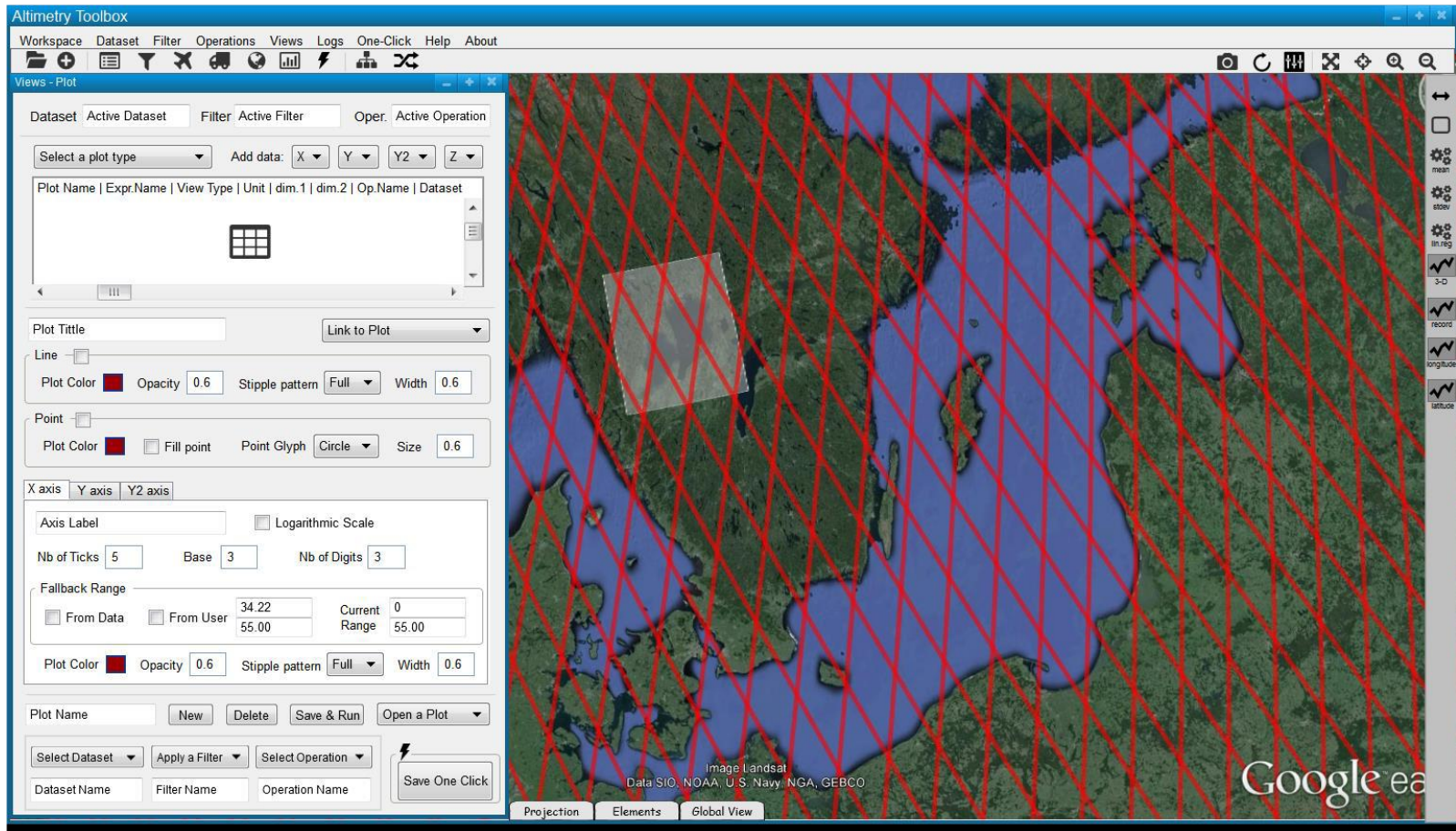**NEW GUI**   **Operations - Quick**

NEW GUI   **Operations - Advanced**
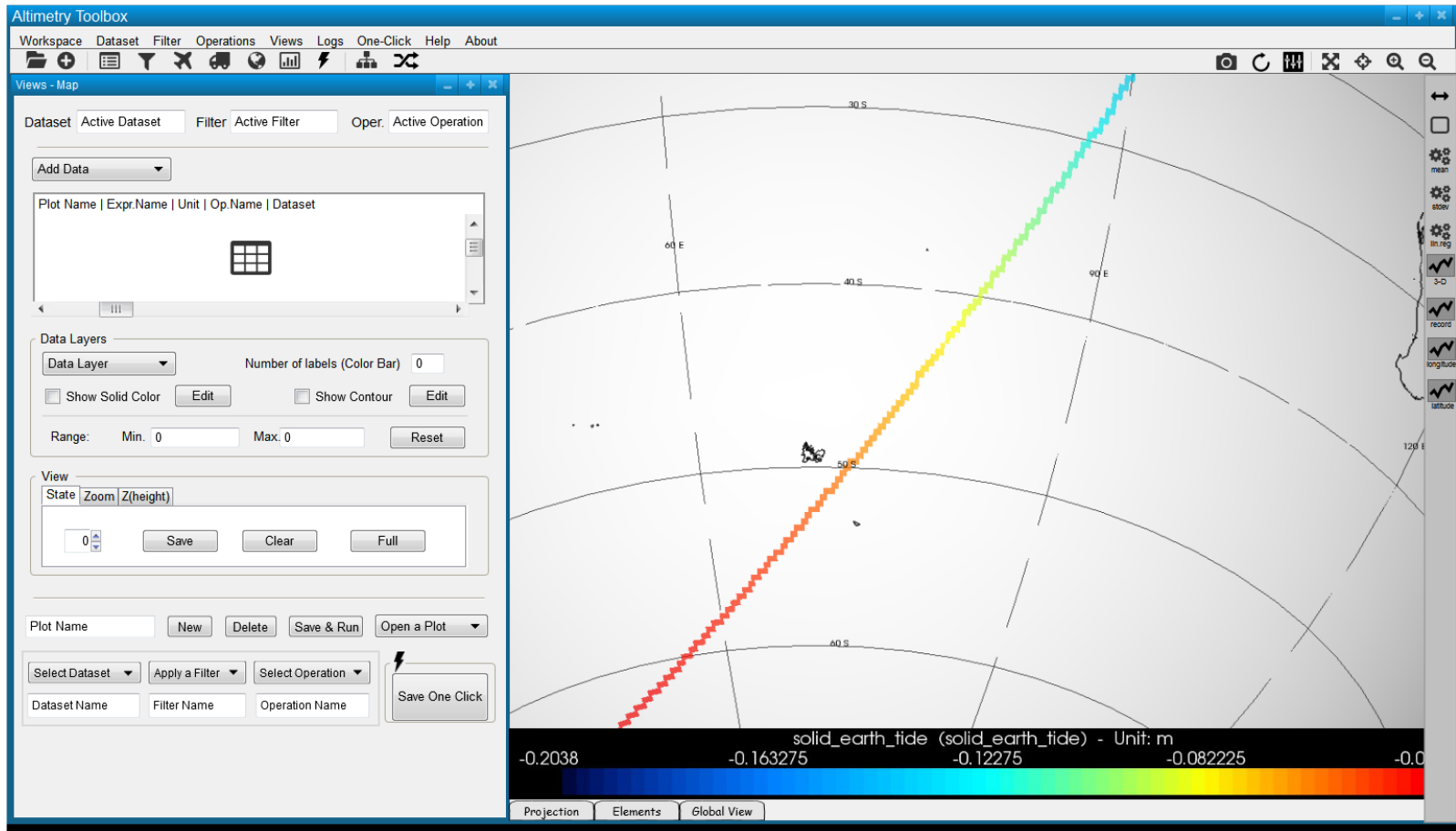
3. Future phases – Release B

NEW GUI   **Views - Plot**

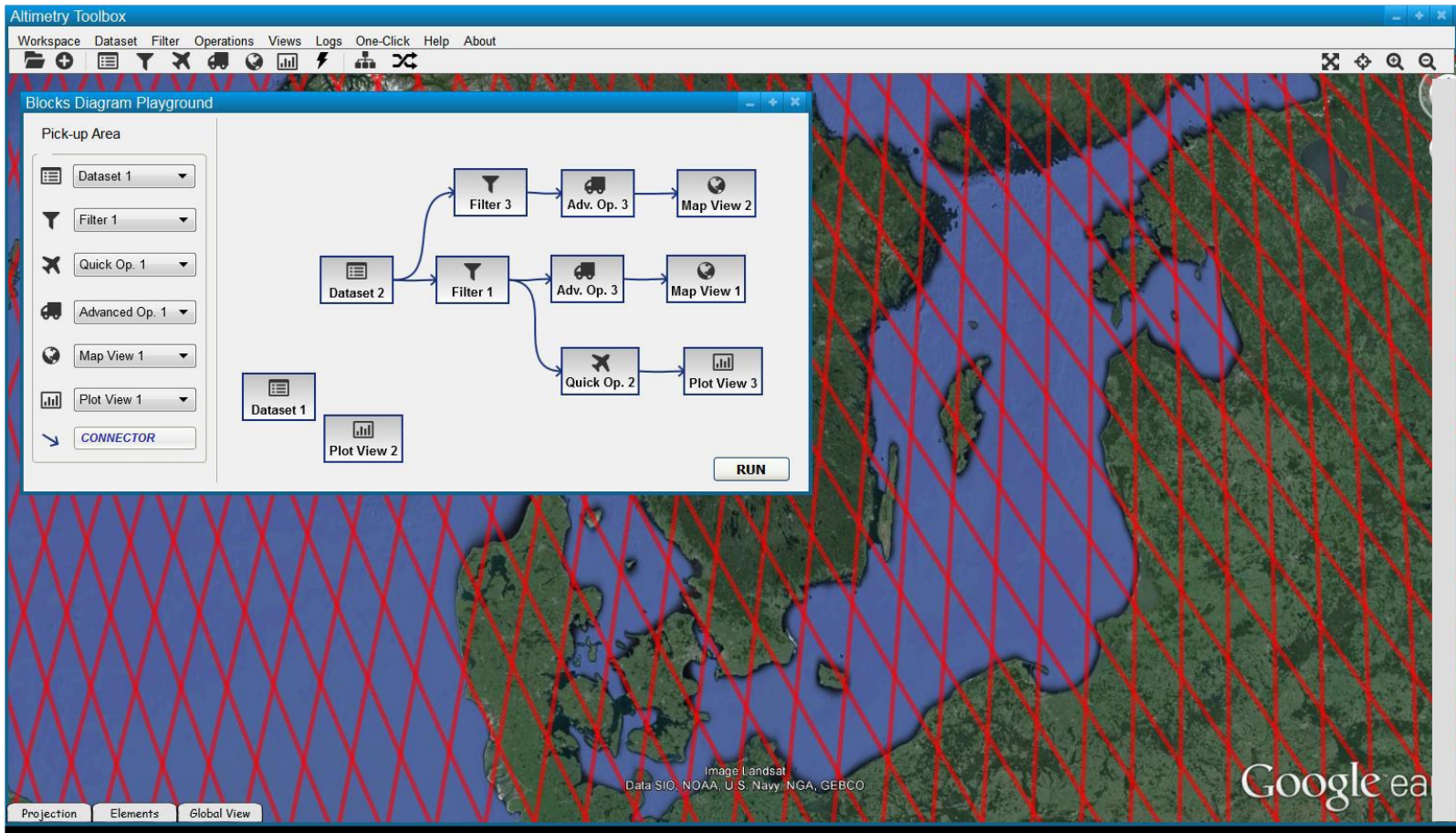# 3. Future phases – Release B

NEW GUI   **Views - Map**

3. Future phases – Release B

NEW GUI   **Block Diagram**

3. Future phases – Release C

- **Release C** will be delivered in **September 2016.**

- It will include

NEW DATASETS	NEW FEATURES
• Coastal / inland waters formulas update	• River and Lake products
• Dataset interpolation improvement	• Geosat GDR
• ASCII export improvement	• EnviSat reprocessed
• CFI libraries inclusion	

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Thanks for your attention!

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