AMMOS Multi-Mission Geographic Information System

Geospatial Tools For Mapping Science

What is the problem?

Missions often need to display science products in a geospatial context and lack an easy to use, unified capability for operations.

What is the solution?

An easy to deploy, cross-platform, web-based mapping and science data localization solution.
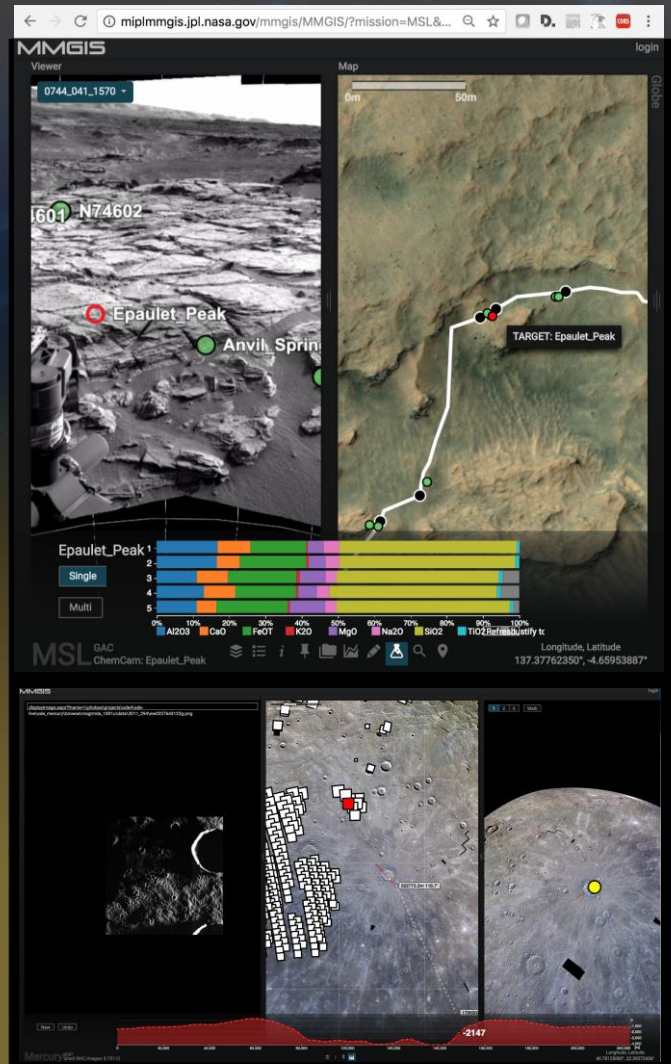
Who are our customers?

- Orbiter, UAS, lander, or rover missions on any planetary body (including asteroids).
- Mission scientists and engineers.

What capabilities are on offer?

- Tools for placing science products in a spatial context (i.e. on a map).
- Web-based solution for easy deployment to multiple users.
- Common mapping tools for data exploration and visualization from in-situ, 2D, and 3D views.

What is included?

- Science data localization scripts for mast, arm, and body-fixed instruments.
- Web-based mapping interface using open source tools.
- Annotation tools for communication between team members.
- Visualization and query of imagery (including hyperspectral), tabular data (e.g. oxides), and profile/radar datasets.

AMMOS – Advanced Multimission Operations System, a NASA-sponsored set of products and services for mission operations systems

For more information and access to the AMMOS catalog –
https://ammos.nasa.gov

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