Solar System Exploration Division, GSFC Code 690

The Planetary Geodesy Data Archive

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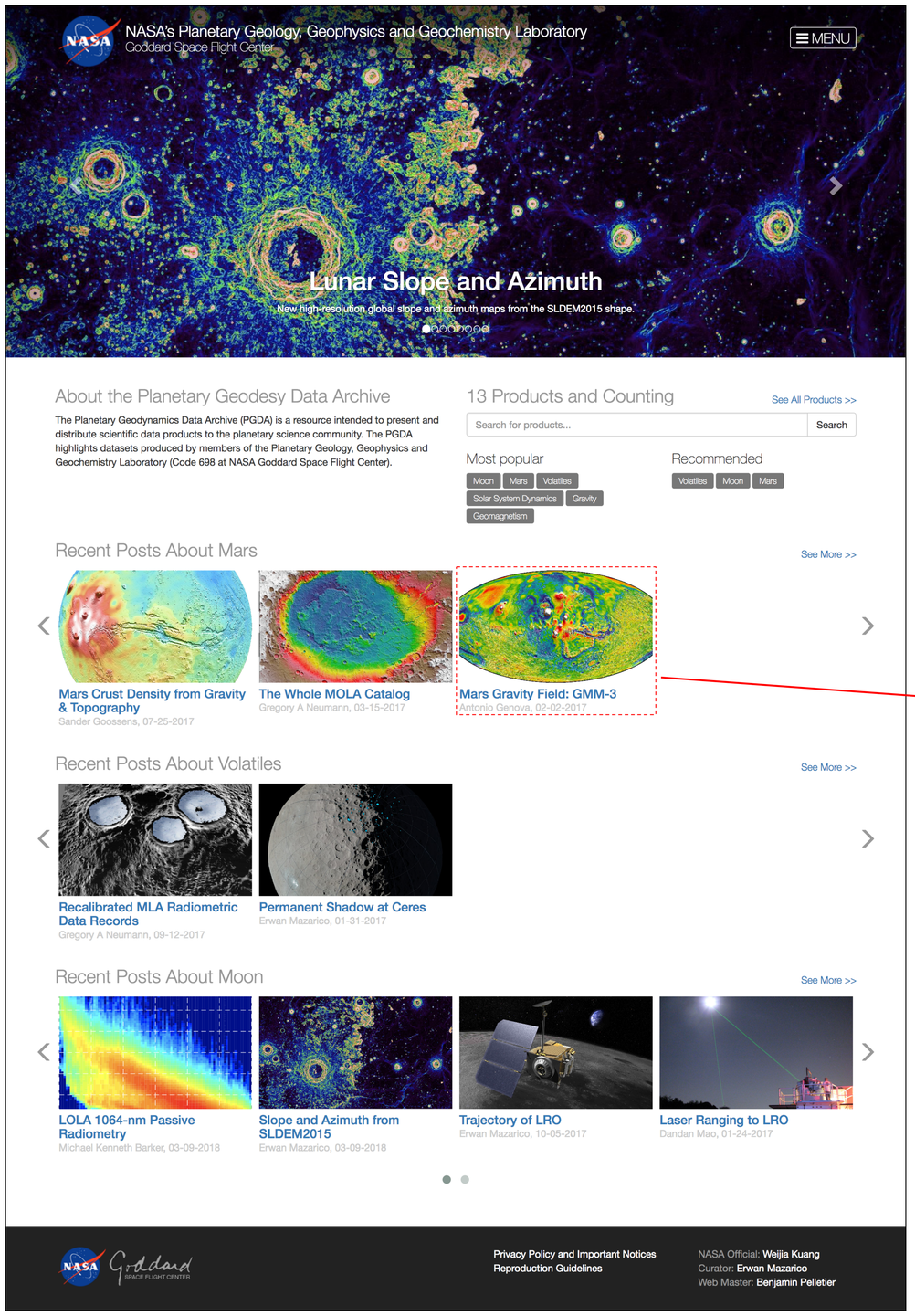
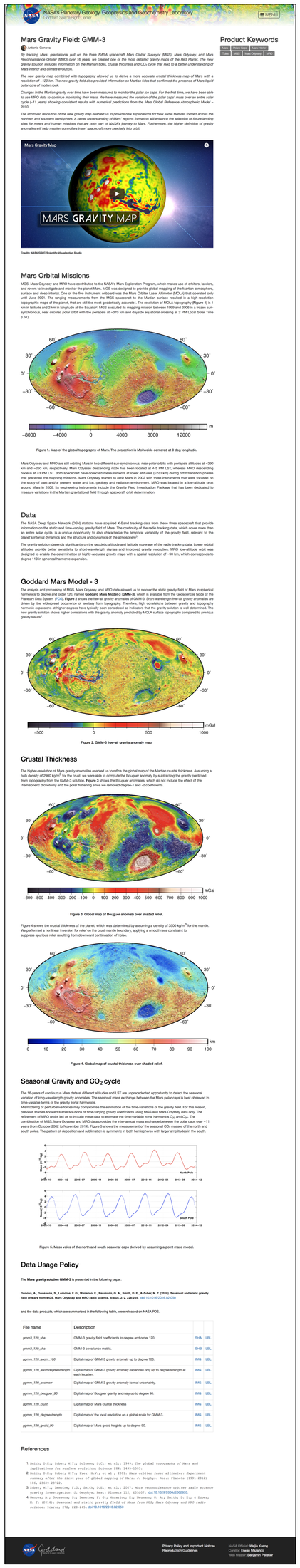
The Planetary Geodesy group has always been pro-active about communicating our science to the general public.

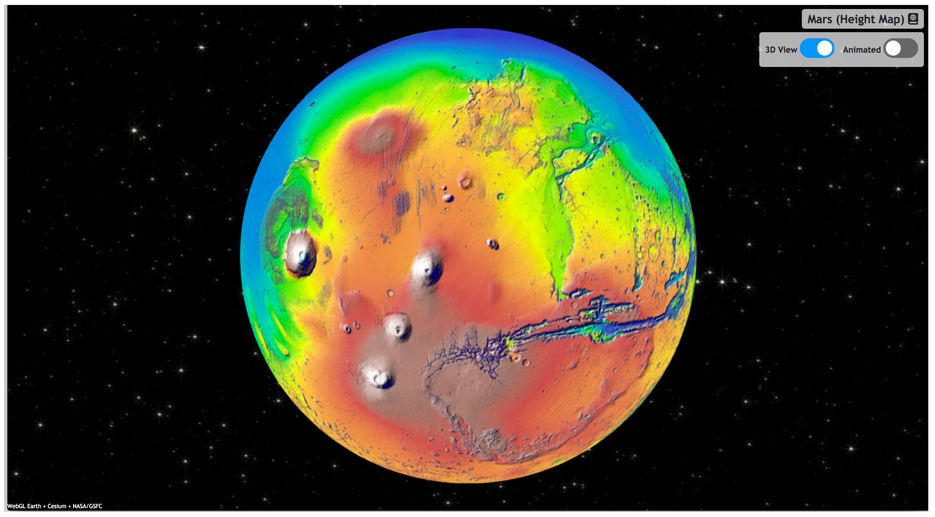
In the past few years, we have worked with the 690 science writers to prepare a number of press releases on varied topics: Mars gravity, relativity and Mercury ephemeris, Ceres' dark craters, etc.

The Solar System Exploration Division funded in FY17 the development of the Planetary Geodesy Data Archive (PGDA, pgda.gsfc.nasa.gov), a resource geared towards the planetary science community. The goal is to make our science products and data more visible and accessible to researchers. Some of these products are archived at the Planetary Data System (PDS), and are simply linked to, but dedicated featured articles make it easier to describe the datasets and their usage to fellow researchers.

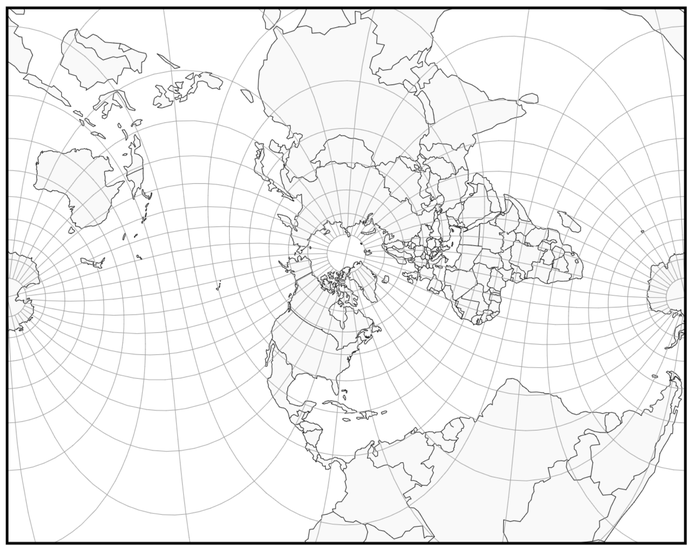




The *Planetary Geodesy ISFM* supported in FY18 the addition of a capability to display interactive maps, much like Google Maps. This will allow users to evaluate a dataset for their need, at its highest resolution, before downloading it. Up to now, we used image thumbnails. With most of our products being global scale, these are not necessarily informative for specific regions.



Under the same thrust to make our data more easily assessable by users before download, another interactive tool is in development and will be available for use in our product description webpages. It will allow users to visualize a dataset in multiple different projections, with interactive controls on the projection parameters. Users can thus place their region of interest in the center of various projections and gauge it spatially.



Credit: Jason Davies

Finally, a picture gallery is now available. We will use it in the near future to display images that may be of wide interest for oral or poster presentations.

https://pgda.gsfc.nasa.gov