

PRECIPITATION MEASUREMENT MISSIONS

Website Redesign • Social Media • Visualization Tools

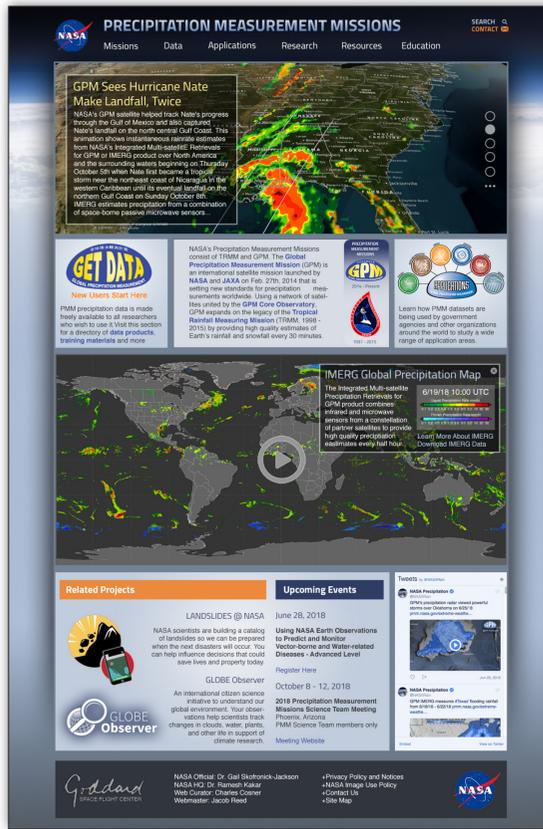
Poster by Jacob Reed

Website Redesign

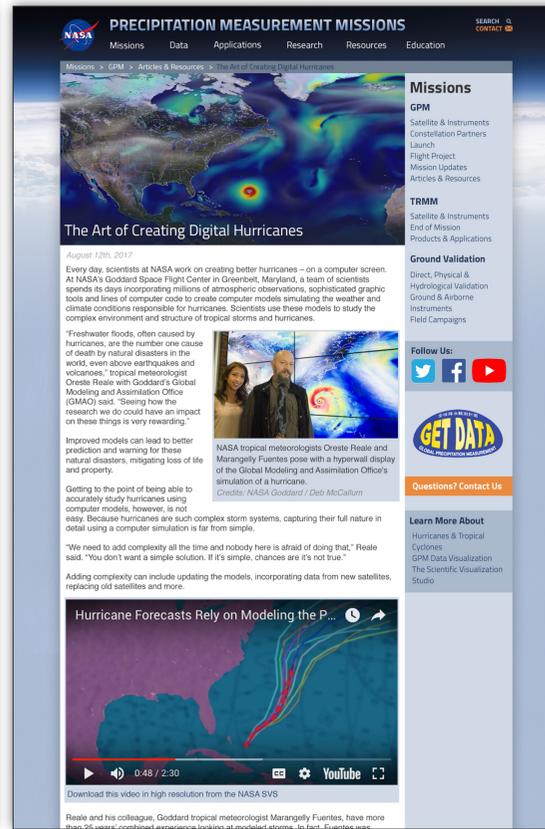
The PMM website at pmm.nasa.gov is currently undergoing a complete redesign and restructuring, which is scheduled for launch in early 2019.

Site Features:

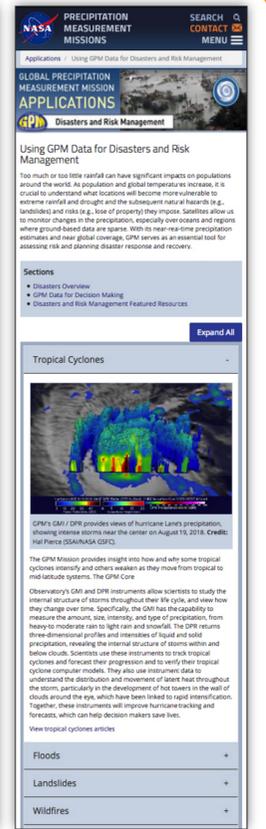
- Responsive layout which seamlessly adapts to all screen sizes from mobile phones to tablets to desktops.
- Powered by the cutting edge Drupal 8 content management system (CMS).
- Clean modern design and simplified navigation structure.
- Major revisions and restructuring of the GPM Applications and Data Access sections.



PMM website homepage mockup.



Inner article page layout mockup.



Mobile phone layout mockup.

Social Media

GPM social media outlets consist of the @NASARain Facebook and Twitter accounts, both with large and active followings. These outlets are used to engage directly with the public and science communities and distribute the latest GPM data visualizations and news stories. Collaboration with other NASA social media accounts such as @NASAGoddard, @NASAEarth, and of course @NASA is essential to maximizing the impact of our message.



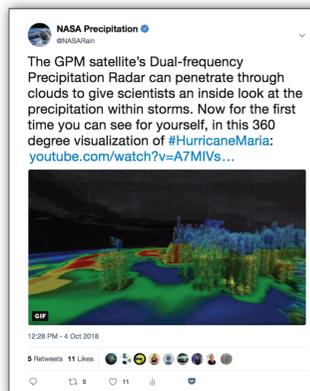
twitter.com/NASARain
25,058 followers as of 10/1/18



facebook.com/NASARain
52,620 followers as of 10/1/18

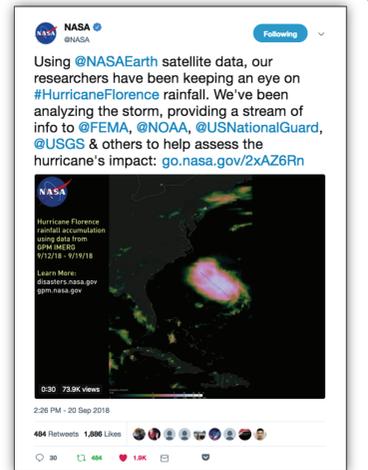
@NASARain wants to share your research!
Email jacob.reed@nasa.gov

Social Media Highlights:

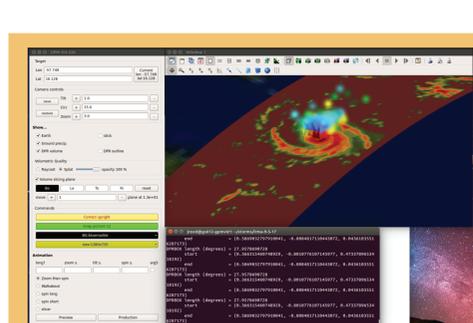


LEFT: The NASA Goddard Scientific Visualization Studio recently developed a new visualization of Hurricane Maria from 9/18/17 which lets you view the precipitation within the storm in interactive 360 degree view, including detailed rain rate and drop size data.

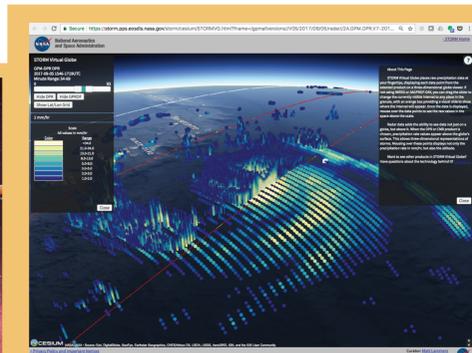
RIGHT: NASA HQ recently posted a GPM animation of accumulated storm-total precipitation rates for Hurricane Florence, which was developed by Matt Lammers & Owen Kelley of the Precipitation Processing System.



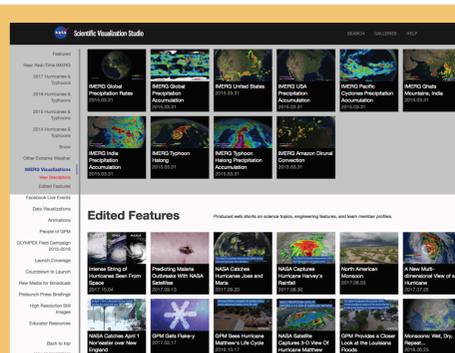
Visualization Tools



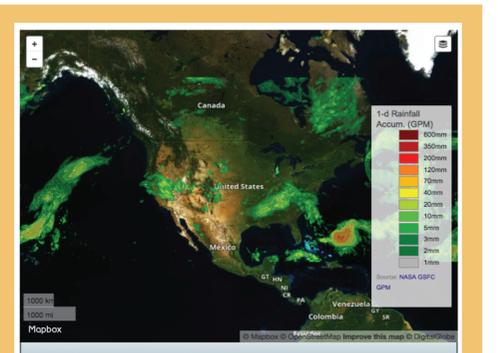
email: jacob.reed@nasa.gov



storm.pps.eosdis.nasa.gov



svs.gsfc.nasa.gov/Gallery/GPM.html



pmm.nasa.gov/precip-apps

A custom "GPMViz" toolset has been developed for in-house rapid generation of print-quality images & animations of Level 2 DPR and GPROF GMI datasets.

Contact Jacob Reed for more details at jacob.reed@nasa.gov

STORM Virtual Globe, developed by the NASA Precipitation Processing System augments the STORM data download service and allows for rapid in-browser visualization of GPM datasets on a 3D globe.

Tutorial: pmm.nasa.gov/data-access/tutorials

The NASA Goddard Scientific Visualization Studio works with GPM to create high quality data visualizations and edited features. These videos look inside some of the powerful storms from the past several years and demonstrate complex scientific topics in a way the general public can understand.

The GPM Precipitation & Applications Viewer allows for quick visualization and download of near-realtime IMERG datasets and flood and landslide products. A Javascript API allows for automated data retrieval.