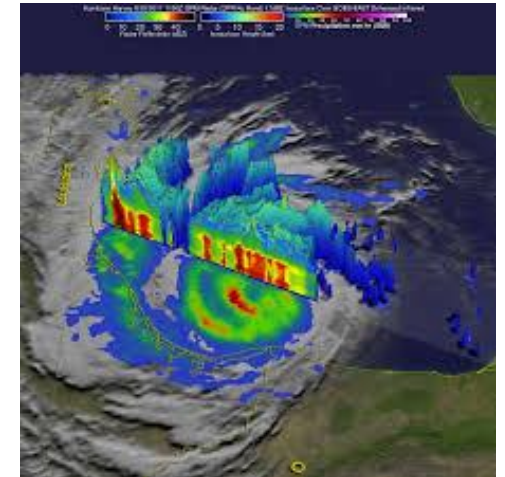
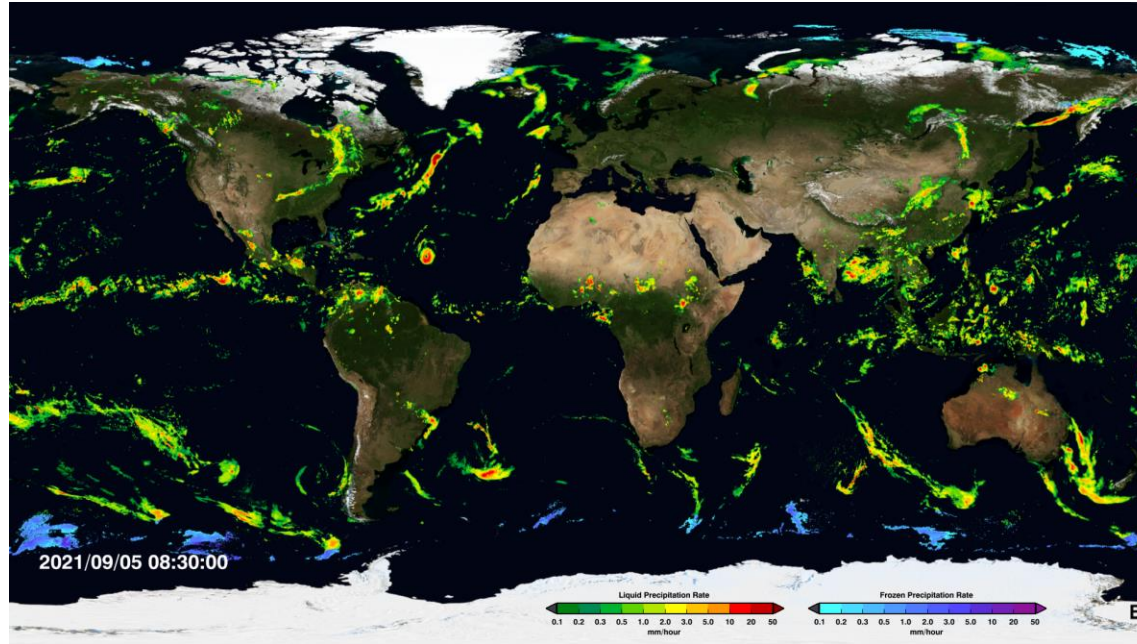


## Part 1

### Overview of Precipitation Measurement Missions and Data Products



#### Training Conveners:

Andrea Portier, NASA GSFC- SSAI

Amita Mehta, NASA GSFC-UMBC-JCET

Philippe Chambon, Météo France

Viviana Maggioni, George Mason University

George Huffman , NASA GSFC

- Become familiar with
  - International Precipitation Working Group (IPWG)
  - Precipitation Measurement Missions (PMM)
  - Global Precipitation Measurement (GPM) Mission data access and products and GPM applications
- Understand the Integrated Multi-Satellite Retrievals for GPM (IMERG) product and the strengths and caveats of the long-term IMERG data record for applications
- View examples of GPM precipitation applications
- Learn to access, analyze, and visualize IMERG precipitation data using NASA Giovanni tools and Google Earth Engine

## Session 1

September 8<sup>th</sup>

- Introductory session on IPWG and past Trainings
- Overview of PMM and Data Products
- Future Missions: AOS/ ACCP Overview
- Q&A

## Session 2

September 15<sup>th</sup>

- GPM Precipitation Data Applications
- Demonstration of GPM website
- Examples of precipitation data applications and usage
- Q&A

## Session 3

September 22<sup>nd</sup>

- IMERG Precipitation Data Access and Online Analysis
- Demonstration of precipitation data access using Giovanni and examples of geospatial analysis
- Demonstration of precipitation data access and analysis using Google Earth Engine

<https://gpm.nasa.gov/data/training>

- Overview of GPM and Data Products
- Introductory Webinar: Overview and Applications of IMERG Long-term Precipitation Data Products
- Advanced Webinar: Applications of GPM IMERG Reanalysis for Assessing Dry and Wet Periods
- GPM-ACCP Transport and Logistics Workshop Training
- Using NASA EOS Data for Water- and Vector-borne Diseases

