

GPM-API - A python package to facilitate the analysis of GPM precipitation products

Abstract

The seminar will introduce the GPM-API python package, where you'll find everything, you need to navigate through the data archive provided by the Global Precipitation Measurement (GPM) mission. The GPM data archive currently includes satellite data records that extend back to 1987. This extensive archive is the result of contributions from 2 spaceborne radars and a fleet of 35 passive microwave (PMW) sensors that forms the so-called GPM constellation.

The data are organized into various product levels, encompassing raw and calibrated observations (Level 1), intermediate geophysical retrieval products (Level 2), and integrated datasets from multiple satellites (Level 3).

The GPM-API is a Python package designed to make your life easier, whether you aim to download some data, search for specific files, or jump into scientific analysis. Our goal is to empower you to focus more on what you can discover and create with the data, rather than getting bogged down by the process of handling it.

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