June 16, 2014

GPM Data Users,

GPM Project is making select GPM data products available to the General Public.

Registration

To access GPM data you must register with PPS.

Please note that if you are already a science user with a pre existing account/s (i.e: ftp, STORM, development account, etc.) you are currently registered in our database and don't need to go to the registration link. You could then use the email address associated with your science user account as a User ID and password to obtain data.

If not already registered or you need to check/update your registration information please go to:

http://registration.pps.eosdis.nasa.gov/

The first time you go to the registration site indicated in the url (above), you may be presented with a warning or security certificate notification stating that there might be a security issue with the intended site. Please go ahead and accept the risk, etc. and continue to this site. You will only receive this notification upon your first visit.

GPM data can be accessed through the PPS STORM web interface or directly through FTP.

PPS STORM Data Access

For PPS STORM go to: https://storm-pps.gsfc.nasa.gov/storm/
STORM can be used to place data orders and create geographical and parameter subsets.

FTP Data Access

FTP data access is intended to provide a permanent, fixed directory structure for automated data access at the address below.

ftp://<username>:<password>@arthurhou.pps.eosdis.nasa.gov

Note: Depending on your ftp client or method, you may have to substitute "%40" for the "@" in your email address used for the username and password. For example:
ftp://user%40nasa.gov:user%40nasa.gov@arthurhou.pps.eosdis.nasa.gov

Username and password are your email address from PPS registration.
Command line FTP may also be used to access the same location.

You will be presented with the following directories on the arthurhou.pps.eosdis.nasa.gov ftp site:

/gpmdata - contains the latest version of the available products.

/gpmallversions - contains the archive of current and past two versions of data products.

Contents of the directories is broken out by year, month, day and product type.

/gpmdata/YYYY/MM/DD/<type>/

/gpmallversions/<ver>/YYYY/MM/DD/<type>/

<ver> is a designation of the Product Version
<type> is one of the following:

base/reg - 1B base radiometer products
1B - 1B radiometer products for GPMcore and all partners
1C - 1C radiometer products for GPMcore and all partners
radar - L2 and L3 products from DPR and Combined

gprof - L2 and L3 products from GPROF for GPMcore and all partners
imerg - IMERG products

When issues are found that necessitate a reprocessing, PPS will reprocess all the data from launch up to the present. Each reprocessing will have a unique product version ID.

Geolocation and Coincidence Files

Data that is created once and not versioned such as:

geolocation/attitude/ephemerus/coincidence files can be found under:

/gpmdata/geolocation/YYYY/MM/DD/ (ephemeris, attitude files)
/gpmdata/coincidence/YYYY/MM/DD/ (CT coincidence files for GPMcore and partner satellites with ground stations)

Manifest

Each day, just after midnight UTC a manifest file is created containing a list of all of the products that were produced by PPS in the preceding 24 hours. This manifest has the fully qualified path to each of the new products and may be used to aide in retrieval.

Manifest files may be found under :

/gpmdata/manifest

Manifests are available for the latest 7 days of processing.

Reference

Please refer to this web page for documentation information regarding the structure and parameters of the GPM data products.

http://pps.gsfc.nasa.gov/GPMprelimdocs.html

Assistance

If you need assistance with data access or writing scripts for pulling the data automatically please contact:

helpdesk@pps-mail.nascom.nasa.gov