

GPM Webinar

March 15, 2016

Access and Download GPM Data Products using Mirador

Mirador is a web-based application that allows for easy and quick access of many NASA data products, including TRMM and GPM and for bulk download of data (<http://mirador.gsfc.nasa.gov/>)

On the Mirador page you will see the following Window:



Keyword:	Search data parameter by keyword
Time Span:	Enter Start and End Date – or use the Calendar to select dates
Location:	Select geographic region of interest by drawing on the map or by entering lat-lon
Search GES-DISC:	Click on this option once the above options are selected

Search and Download GPM Data

Go to <http://mirador.gsfc.nasa.gov>

Enter the following:

- **Keyword** GPM IMERG
- Leave **Location** and **Time Span** Blank
- Click on **Search GES-DISC**
- You will get a list of all GPM products available on Mirador

Data Sets Results 1 - 4 of 4 for GPM IMERG (1 seconds)

- GPM Level 3 IMERG Monthly 0.1 x 0.1 degree Precipitation (GPM_3IMERGM)**
[View Files](#) | [Info](#) | [Giovanni Analysis](#) | [Data Calendar](#)
 Approx. 20 files found (Avg Size: 29.01 MB)
 Parameters: PRECIPITATION AMOUNT, PRECIPITATION RATE, RAIN, SNOW
 Spatial Resolution: 0.1 degree x 0.1 degree
 Temporal Resolution: Monthly
- GPM Level 3 IMERG Half Hourly 0.1 x 0.1 degree Precipitation (GPM_3IMERGHH)**
[View Files](#) | [Info](#) | [Giovanni Analysis](#) | [Data Calendar](#)
 Approx. 28752 files found (Avg Size: 2.49 MB)
 Parameters: CYCLONES, DROUGHT, HURRICANES, MONSOONS, STORMS, TYPHOONS, RAIN...
 Spatial Resolution: 0.1 degree x 0.1 degree
 Temporal Resolution: 30 minute
- GPM Level 3 IMERG Early Half Hourly 0.1 x 0.1 degree Precipitation (GPM_3IMERGHHE)**
[View Files](#) | [Info](#) | [Giovanni Analysis](#)
 Approx. 16704 files found (Avg Size: 2.47 MB)
 Parameters: CYCLONES, DROUGHT, HURRICANES, MONSOONS, STORMS, TYPHOONS, RAIN...
 Spatial Resolution: 0.1 degree x 0.1 degree
 Temporal Resolution: 30 minute
- GPM Level 3 IMERG Late Half Hourly 0.1 x 0.1 degree Precipitation (GPM_3IMERGHHL)**
[View Files](#) | [Info](#) | [Giovanni Analysis](#)
 Approx. 17616 files found (Avg Size: 2.60 MB)
 Parameters: CYCLONES, DROUGHT, HURRICANES, MONSOONS, STORMS, TYPHOONS, RAIN...
 Spatial Resolution: 0.1 degree x 0.1 degree
 Temporal Resolution: 30 minute

In order to show you only the results which match ALL of your search criteria, we have omitted collections that match your keyword but not your time and space constraints. If you like, you can [repeat the search](#) with these omitted collections included.

- Click on [info](#) to learn more about the data set you are interested in
 - Click on [View Files](#)
- You will get a list of all available data files

<input checked="" type="checkbox"/> Select All in Page	<input type="checkbox"/> File Names/Descriptive File Names	Start Time
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20151001-S000000-E235959.10.V03D.HDF5 (29.55 MB) One Click Download: OPeNDAP	2015-10-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150901-S000000-E235959.09.V03D.HDF5 (28.96 MB) One Click Download: OPeNDAP	2015-09-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150801-S000000-E235959.08.V03D.HDF5 (28.85 MB) One Click Download: OPeNDAP	2015-08-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150701-S000000-E235959.07.V03D.HDF5 (28.49 MB) One Click Download: OPeNDAP	2015-07-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150601-S000000-E235959.06.V03D.HDF5 (28.69 MB) One Click Download: OPeNDAP	2015-06-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150501-S000000-E235959.05.V03D.HDF5 (29.38 MB) One Click Download: OPeNDAP	2015-05-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150401-S000000-E235959.04.V03D.HDF5 (29.43 MB) One Click Download: OPeNDAP	2015-04-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150301-S000000-E235959.03.V03D.HDF5 (29.88 MB) One Click Download: OPeNDAP	2015-03-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150201-S000000-E235959.02.V03D.HDF5 (28.94 MB) One Click Download: OPeNDAP	2015-02-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20150101-S000000-E235959.01.V03D.HDF5 (28.89 MB) One Click Download: OPeNDAP	2015-01-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20141201-S000000-E235959.12.V03D.HDF5 (29.00 MB) One Click Download: OPeNDAP	2014-12-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20141101-S000000-E235959.11.V03D.HDF5 (29.19 MB) One Click Download: OPeNDAP	2014-11-01 00:00:00 Metadata
<input checked="" type="checkbox"/>	3B-MO.MS.MRG.3IMERG.20141001-S000000-E235959.10.V03D.HDF5 (29.19 MB) One Click Download: OPeNDAP	2014-10-01 00:00:00 Metadata

- Click on any file to save it on your computer – default file format is HDF5
- Click on OPeNDAP and see the options to save data in other formats and also subset by Parameters

OPeNDAP Server Dataset Access Form

Action:	<input type="button" value="Get ASCII"/> <input type="button" value="Get as NetCDF 3"/> <input type="button" value="Get as NetCDF 4"/> <input type="button" value="Binary (DAP) Object"/> <input type="button" value="Show Help"/>	Available Formats
Data URL:	<input type="text" value="http://gpm1.gesdisc.eosdis.nasa.gov:80/opepdap/GPM_L3/GPM_3IMERGM.03/2015/3B-M"/>	
Global Attributes:	<pre>HDF5_GLOBAL.FileHeader: DOI=10.5067/GPM/IMERG/HH/3B; DOIauthority=http://dx.doi.org/; DOIshortName=3IMERGM; AlgorithmID=3IMERGM; AlgorithmVersion=3IMERGM_1.0; FileName=3B-MO.MS.MRG.3IMERG.20150701-S000000-E235959.07.V03D.HDF5;</pre>	
Variables:	<input type="checkbox"/> precipitation: Array of 32 bit Reals [lon = 0..3599][lat = 0..1799] lon: <input type="text"/> lat: <input type="text"/> DimensionNames: lon,lat Units: mm/hr units: mm/hr coordinates: lon lat _FillValue: -9999.900391 CodeMissingValue: -9999.9	

For Bulk Data File Download:

- Click on multiple Files to select for download Or click on [All Files in All Pages to Cart](#) at the bottom of the page

<input checked="" type="checkbox"/> 3B-MO.MS.MRG.3IMERG.20141001-S000000-E235959.10.V03D.HDF5 ↗ (29.19 MB) One Click Download: OPeNDAP	2014-10-01 00:00:00 Metadata ↗
<input checked="" type="checkbox"/> 3B-MO.MS.MRG.3IMERG.20140901-S000000-E235959.09.V03D.HDF5 ↗ (28.69 MB) One Click Download: OPeNDAP	2014-09-01 00:00:00 Metadata ↗
<input checked="" type="checkbox"/> 3B-MO.MS.MRG.3IMERG.20140801-S000000-E235959.08.V03D.HDF5 ↗ (28.39 MB) One Click Download: OPeNDAP	2014-08-01 00:00:00 Metadata ↗

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NASA Search Results

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You are here: [Keyword Search](#) » [Data sets from GPM IMERG search](#) » [File Listing of GPM IMERG](#) » [Your Cart](#) » Checkout

Shopping Cart - By Data Set Name		Keyword Projects Science Areas
Sort by: Data Set ▾		Your cart contains 20 items (580.15 MB)
<input type="button" value="Continue Searching"/>		<input type="button" value="Checkout"/>
<input type="button" value="Delete"/>	<input checked="" type="checkbox"/> GPM Level 3 IMERG Monthly 0.1 x 0.1 degree Precipitation (GPM_3IMERGM v.03): 20 Items	
<input type="button" value="Empty Entire Cart"/>		
Page: 1		

