 DEVELOP Recipe Card

 GPM Data Acquisition Spring 2016

 Created By: Wise Disasters

# Requirements

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| ArcGIS 10.2 | Access to giovanni.sci.gsfc.nasa.gov |  |
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# Steps

1. Go to http://giovanni.sci.gsfc.nasa.gov/giovanni/.
2. On the left of the page, there will be a long list of check boxes in alphabetical order labeled “Measurements”. On this list, select Precipitation.
3. Above the check box list on the left will be two white boxes labeled “Select Date Range (UTC)”. Select the time period you want data from in YYYY-MM-DD [HH:mm] format. (NOTE: GPM data is only available after April 1st, 2014)
4. In the middle of the page will be a long list of “Variables” and their “Source”. There will be a section on the list all where the source is listed as “GPM”. From this group select the variable [Merged satellite-gauge precipitation estimate - Final Run (recommended for general use)](http://disc.sci.gsfc.nasa.gov/giovanni/documents/ag/user-manual#precipitation)    **(**[GPM\_3IMERGM v03](http://gcmd.gsfc.nasa.gov/getdif.htm?GES_DISC_GPM_3IMERGM_V03)**).**
5. On this same row, there will be a drop down menu to select units. It defaults to mm/hr, so be sure to change this if you need a different unit
6. At the top of the page, there will be a white box (right of the area where you entered your time span) labeled “Select Region (Bounding Box or Shapefile”. Either use coordinates of 4 bounding corners, or use the map or shapefile option to refine the area.
7. Now that you have all your parameters set, click the large green button labeled “Plot Data”.
8. After it loads, you should see an example map displayed with a list to the right. From this list select “Downloads”.
9. You will be presented with the different formats that you are able to download in. Click on the links to the data you want to download, and save it to where you can find it. It is easiest to download as netCDF because of a tool ‘Make netCDF Raster Layer’ in esri ArcGIS