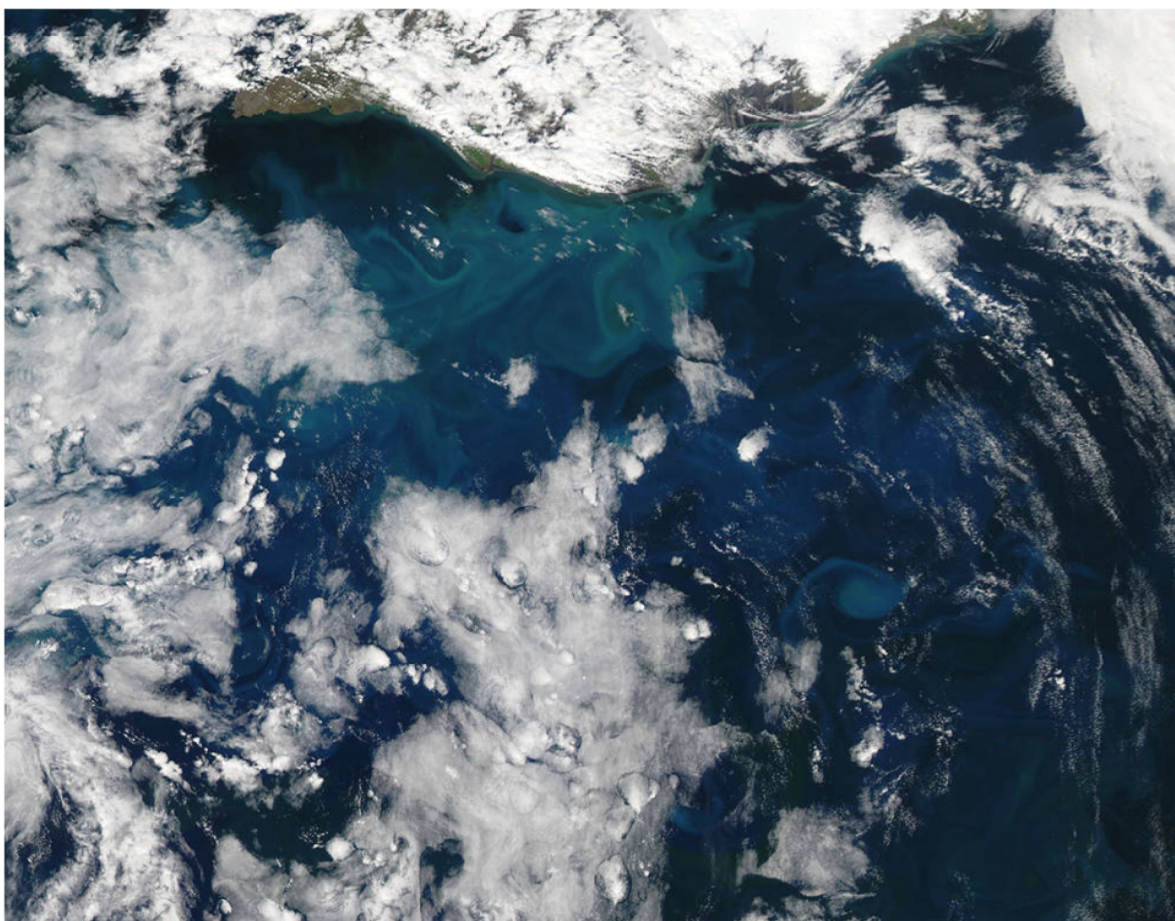


نحوه دانلود داده های TRMM از سایت ناسا



سایت تخصصی سنجش از دور و سیستم اطلاعات جغرافیایی

www.Girs.ir

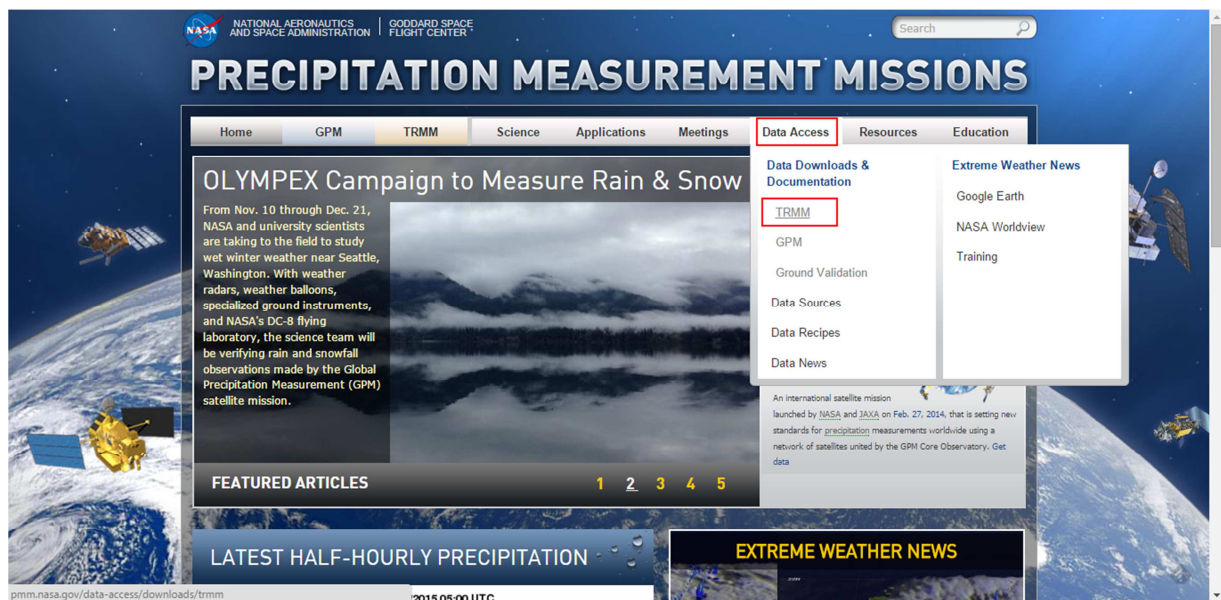
تهیه و تنظیم: احمد نجفی

ابتدا وارد سایت زیر می شویم:

Pmm.nasa.gov



از منوی Data access بر روی TRMM کلیک میکنیم



3B43 ورژن ۷ را انتخاب میکنیم

The screenshot shows the search results for '3B43: Multisatellite Precipitation'. The results are displayed in a table with columns for 'Format' and 'Source'. The '3B43: Multisatellite Precipitation' entry is highlighted with a red box. Below the table, there is a list of related products, including '3B42 RT Derived Daily Product', '3B42 RT Derived 10-Day Product', '3B42 RT Derived 30-Day Average', '3B42 Research Version (TRMM Multi-satellite Precipitation Analysis)', '3B42 Research Derived Daily Product', '3B41 RT: Rain rate estimated from geosynchronous infrared instruments', '3B40 RT: Rain rate estimated from passive microwave radiometers', '3B43: Multisatellite Precipitation', '3A46: SSM/1 Rain', '3B31: Combined Rainfall', '3A26: Surface Rain Total', '3A25: Spaceborne Radar Rainfall', '3A12: Mean 2A12, profile and surface rainfall', and '3A11: Oceanic Rainfall'.

Format	Source
KML	Google Earth / PMM
GIF	GES DISC Current Conditions
PNG	WMS
GIF	USDA Crop Explorer

- 3B42 RT Derived Daily Product
- 3B42 RT Derived 10-Day Product
- 3B42 RT Derived 30-Day Average
- 3B42 Research Version (TRMM Multi-satellite Precipitation Analysis)
- 3B42 Research Derived Daily Product
- 3B41 RT: Rain rate estimated from geosynchronous infrared instruments
- 3B40 RT: Rain rate estimated from passive microwave radiometers
- 3B43: Multisatellite Precipitation**
- 3A46: SSM/1 Rain
- 3B31: Combined Rainfall
- 3A26: Surface Rain Total
- 3A25: Spaceborne Radar Rainfall
- 3A12: Mean 2A12, profile and surface rainfall
- 3A11: Oceanic Rainfall

از بین گزینه ها فرمت NetCDF را انتخاب میکنیم و بر روی دایره نارنجی کنار آن کلیک میکنیم

The screenshot shows the search results for '3B43 Derived Imagery'. The results are displayed in a table with columns for 'Resolution', 'Regions - Dates', 'Latency', 'Format', 'Source', and 'DL'. The 'NetCDF' entry is highlighted with a red box. Below the table, there is a list of related products, including '3A46: SSM/1 Rain' and '3B31: Combined Rainfall'.

Resolution	Regions - Dates	Latency	Format	Source	DL
0.25° - monthly	Latitudes 40S-40N - Jan. 1998 to present	1 month	HDF4	FTP (PPS) *	↓
			HDF4	STORM	↓
			HDF	Mirador	↓
			Giovanni	Giovanni TOVAS	↓
			OPeNDAP	OPeNDAP	↓
			Binary	FTP (GES DISC)	↓
			HDF	FTP (GES DISC)	↓
			GDS	GrADS Data Server (GDS)	↓
			NetCDF	Simple Subset Wizard (GES DISC)	↓
			HDF	FTP (GES DISC)	↓
0.25°, monthly	Latitudes 40°N-S, 1998 - 2013	Annual	NetCDF	Obs4MIPs	↓

3B43 Derived Imagery

- 3A46: SSM/1 Rain
- 3B31: Combined Rainfall

سپس تاریخ و محدوده موردنظر را انتخاب کرده و بر روی Search for dataset کلیک میکنیم:

disc.sci.gsfc.nasa.gov/SSW/#keywords=3B43

[EOSDIS Home](#)

SIMPLE SUBSET WIZARD (SSW) v1.07 RELEASE NOTES

1. Search for Data Sets 2. Select Subset Criteria 3. View Results

Enter values for the Date Range and (optionally) the Spatial Bounding Box to search for data sets; those criteria will also be used when data sets are subsetted by Date Range and Spatial Region.

Data Set Keyword(s) (3B43)

Date Range 2014-01-01 to 2014-12-30

Spatial Bounding Box 29.00,38.32,42.98,54.14

[Report a Problem with the Simple Subset Wizard](#)



با پنجره ای همانند شکل زیر مواجه میشویم و علامت به علاوه را میزنیم:

1. Search for Data Sets 2. Select Subset Criteria 3. View Results

Found 1 subsettable data set.

☒ Subset: Spatial Region (36.32,44.08,38.74,47.13), Variables for TRMM_3B43 v7 in netCDF

[Report a Problem with the Simple Subset Wizard](#)

NASA Official: Stephen Berrick [Web Privacy Policy](#) [Data & Information Policy](#) [Communications Policy](#) [Freedom of Information Act](#) [USA.gov](#)

و تیک گزینه Precipitation را میزنیم و سپس بر روی View subset Results کلیک می کنیم:

1. Search for Data Sets 2. Select Subset Criteria 3. View Results

Found 1 subsettable data set.

 Subset: Spatial Region (36.32,44.08,38.74,47.13), Variables for TRMM_3B43 v7 in netCDF ▾

- ☒ precipitation ←
- ☐ relativeError
- ☐ weight

[Back to Search](#) [Subset Selected Data Sets](#) [View Subset Results](#)

[Report a Problem with the Simple Subset Wizard](#)

[disc.gsfc.nasa.gov/SSW/#](#) [NASA Official Stephen Readick](#) [Map Privacy Policy](#) [Data & Information Policy](#) [Communications Policy](#) [Freedom of Information Act](#) [USA.gov](#)

پس از انتخاب دکمه بالا وارد صفحه نتایج میشویم و میتوانیم با کلیک بر روی هر یک آن را دانلود نماییم:

Simple Subset Wizard (SSW) V1.14 [Release Notes](#)

1. Search for Data Sets 2. Select Subset Criteria 3. View Results

Subset: Spatial Region (36.32,44.08,38.74,47.13), Variables for TRMM_3B43 v7
(Get list of URLs for this subset in a file) (Downloading instructions)

1. 3B43.20130101.7.SUB.nc
2. 3B43.20130201.7.SUB.nc
3. 3B43.20130301.7.SUB.nc
4. 3B43.20130401.7.SUB.nc
5. 3B43.20130501.7.SUB.nc
6. 3B43.20130601.7.SUB.nc
7. 3B43.20130701.7.SUB.nc
8. 3B43.20130801.7.SUB.nc
9. 3B43.20130901.7.SUB.nc
10. 3B43.20131001.7.SUB.nc
11. 3B43.20131101.7.SUB.nc
12. 3B43.20131201.7.SUB.nc
13. 3B43.20140101.7.SUB.nc

[Start Over](#) [Back to Subset Criteria](#)

برای ورود داده ها با فرمت NetCDF یا NC یکی از ساده ترین روش ها کشیدن یا درگ کردن فایل به محیط نرم افزار ArcGIS می باشد

