

# KrishiDSS Data Processing and Publishing Document

Updated:02/09/2024

## 1. CurrentCumRF\_IMD\_OTF1D\_FS

**UI Name:** Cumulative Rainfall (mm) - IMD

**Parameter ID:** 50063

**Type:** OTF

**Implementation:** [gitlab: /vedas-env/script/geoentity-stats-system/otf\_algos]  
Krishi\_DSS/CurrentCumRF\_IMD\_OTF1D\_FS.py

**Dependencies:** 98 (Rainfall\_IMD\_1D\_FS)

## 2. Rainfall\_IMD\_1D\_FS

**UI Name:** Not displayed in UI

**Parameter ID:** 98

**Type:** Primary

### 2.1 Processing Table

<b>Downloadi ng</b>	Source	www.imdpune.gov.in
	Download location	\\192.168.2.67\shared\VEDAS_Products\IMD_Rainfall_gridded\IMD_gridded_rain_daily_grd\2024
	Downloading script path	C:\Users\AC08105_download\Desktop\CP02182_download\Desktop\data_link\Python\KrishiDSS_RF_IMD_Daily_Download.py
	Location & Trigger	172.16.23.39 - Daily At 18:30 Every Day
<b>Processin g Step-1</b>	Source	\\192.168.2.67\shared\VEDAS_Products\IMD_Rainfall_gridded\IMD_gridded_rain_daily_grd\2024
	Output location	\\192.168.2.67\shared\VEDAS_Products\IMD_Rainfall_gridded\IMD_gridded_rain_daily\2024
	Processing script path	\\192.168.2.67\shared\VEDAS_Products\IMD_Rainfall_gridded\imd_daily_rain.py
	Location & Trigger	192.168.2.39 (crontab -e) - Every 2 Hours
<b>Processin g Step-2</b>	Source	\\192.168.2.67\shared\VEDAS_Products\IMD_Rainfall_gridded\IMD_gridded_rain_daily\2024
	Output location	192.168.2.64 - geoentity_stats Username: postgres, Password: Vedas@123, Port - 5433
	Processing script path	/home/isro/schedulers/geoentity_stats_server/geoentity_stats_generation/sch/krishi_dss/KrishiDSS_RainfallWithNormal.sh

	Location & Trigger	192.168.2.67 (crontab -e) - Every 4 Hours
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### 3. RSIPer\_NWIC\_OTF\_1W

**UI Name:** Reservoir Storage Index(%)

**Parameter ID:** 55005

**Type:** OTF

**Implementation:** [gitlab: /vedas-env/script/geoentity-stats-system/otf\_algos]  
Krishi\_DSS/RSIPer\_NWIC\_OTF\_1W.py

**Dependencies:** 109 (ReservoirStorage\_NWIC\_Daily)

### 4. RSIPer\_NWIC\_OTF\_Daily

**UI Name:** Reservoir Storage Index(%)

**Parameter ID:** 55006

**Type:** OTF

**Implementation:** [gitlab: /vedas-env/script/geoentity-stats-system/otf\_algos]  
Krishi\_DSS/RSIPer\_NWIC\_OTF\_Daily.py

**Dependencies:** 109 (ReservoirStorage\_NWIC\_Daily)

### 5. ReservoirStorage\_NWIC\_Daily

**UI Name:** Not displayed in UI

**Parameter ID:** 109

**GeoEntity Source ID:** 14

**Type:** Primary

#### 5.1 Processing Table

<b>Downloadi ng</b>	Source	https://indiawris.gov.in/reservoirdata
	Download location	/data/VEDAS_Projects_Datasets/Krishi_DSS/External/Reservoir
	Downloading script path	/opt/vedas_env/script/geoentity_stats_system/KrishiDSS_P1/APIs/NWIC_Reservoir_DataDownload.py  /home/isro/schedulers/geoentity_stats_server/geoentity_stats_generation/sch/krishi_dss/APIs/NWIC_ReservoirDataDownload.sh
	Location & Trigger	192.168.2.67 (crontab -e) - Every 4 Hours
<b>Processin g Step</b>	Source	/data/VEDAS_Projects_Datasets/Krishi_DSS/External/Reservoir
	Output location	192.168.2.64 - geoentity_stats Username: postgres, Password: Vedas@123, Port - 5433
	Processing	/opt/vedas_env/script/geoentity_stats_system/

	script path	KrishiDSS_P1/APIs/NWIC_Reservoir_DataIngest.py  /home/isro/schedulers/geoentity_stats_server/ geoentity_stats_generation/sch/krishi_dss/APIs/ NWIC_ReservoirDataIngest.sh
	Location & Trigger	192.168.2.67 (crontab -e) - Every 4 Hours

## 6. GSMAP\_RAINFALL\_DLY

**UI Name:**

**Parameter ID:**

**Type: OTF**

<b>Downloadi ng</b>	Source	https://ftp.mosdac.gov.in
	Download location	\192.168.2.67\shared\ VEDAS_ProductsGSMAP_MOSDAC_FTP_Hourly_H5
	Downloading script path	\Users\AC08105_download\Desktop\ CP02182_download\Desktop\data_link\Python\ FTP_MOSDAC_IMR_DLY_h5.py
<b>Processin g Step</b>	Source	<a href="#">\\192.168.2.67_data</a>  /data_mounts/vedas_internals/S67/VEDAS_Products/ GSMAP_MOSDAC_FTP_Hourly_H5/
	Output location	<a href="#">\\192.168.2.68_data</a>  /data_mounts/processed_68/ PROCESSED_DATA_THEMES/T5/T5S3/T5S3P1/
	Processing script path	192.168.2.135/opt/vedas_env/script/ raster_data_system/primary_raster_generation/ generic/prg_gsmap_isro_imd_precipitation.py
	Location & Trigger	192.168.2.135 (Task scheduler) - 19:00 Every Day (Repeat Every day)

## 7. GSMAP\_RAINFALL\_WKL

**UI Name:** Weekly Rainfall(mm)

**Parameter ID:** 74

**Type:** primary

<b>Downloadi ng</b>	Source	https://ftp.mosdac.gov.in
	Download location	\192.168.2.67\shared\ VEDAS_ProductsGSMAP_MOSDAC_FTP_Hourly_H5
	Downloading script path	\Users\AC08105_download\Desktop\ CP02182_download\Desktop\data_link\Python\ FTP_MOSDAC_IMR_DLY_h5.py
<b>Processin g Step</b>	Source	<a href="#">\\192.168.2.67_data</a>  /data_mounts/vedas_internals/S67/VEDAS_Products/ GSMAP_MOSDAC_FTP_Hourly_H5/
	Output location	<a href="#">\\192.168.2.68_data</a>

		<a href="/data_mounts/processed_68/PROCESSED_DATA_THEMES/T5/T5S3/T5S3P2/">/data_mounts/processed_68/PROCESSED_DATA_THEMES/T5/T5S3/T5S3P2/</a>
	Processing script path	192.168.2.135/opt/vedas_env/script/raster_data_system/primary_raster_generation/generic/prg_gsmmap_isro_imd_precipitation.py
	Location & Trigger	192.168.2.135 (Task scheduler) – 13:36 Every Day (Repeat Every day)

## 8. GSMAP\_RAINFALL\_NORMAL

**UI Name:** Weekly Rainfall Deviation (%)

**Parameter ID:** 74

**Type:** primary

<b>Downloadi ng</b>	Source	<a href="https://ftp.mosdac.gov.in">https://ftp.mosdac.gov.in</a>
	Download location	\\192.168.2.67\shared\VEDAS_ProductsGSMAP_MOSDAC_FTP_Hourly_H5
	Downloading script path	\\Users\AC08105_download\Desktop\CP02182_download\Desktop\data_link\Python\FTP_MOSDAC_IMR_DLY_h5.py
<b>Processin g Step</b>	Source	<a href="\\192.168.2.68_data">\\192.168.2.68_data</a>  <a href="/data_mounts/processed_68/PROCESSED_DATA_THEMES/T5/T5S3/T5S3P2/">/data_mounts/processed_68/PROCESSED_DATA_THEMES/T5/T5S3/T5S3P2/</a>
	Output location	<a href="\\192.168.2.68_data">\\192.168.2.68_data</a>  <a href="/data_mounts/processed_68/PROCESSED_DATA_THEMES/T5/T5S3/T5S3P4/">/data_mounts/processed_68/PROCESSED_DATA_THEMES/T5/T5S3/T5S3P4/</a>