KrishiDSS Data Processing and Publishing Document

**Updated:02/09/2024**

# 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)

# Rainfall\_IMD\_1D\_FS

**UI Name:** Not displayed in UI

## Parameter ID: 98

**Type:** Primary

* 1. **Processing Table**

|  |  |  |
| --- | --- | --- |
| **Downloadi ng** | Source | [www.imdpune.gov.in](http://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 |
| **Processin g Step-1** | 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 |
| **Processin g Step-2** | 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 |

# 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 (ResrvoirStorage\_NWIC\_Daily)

# 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 (ResrvoirStorage\_NWIC\_Daily)

1. **ResrvoirStorage\_NWIC\_Daily UI Name:** Not displayed in UI **Parameter ID:** 109

## GeoEntity Source ID: 14

**Type:** Primary

* 1. **Processing Table**

|  |  |  |
| --- | --- | --- |
| **Downloadi ng** | 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 |
| **Processin g Step** | 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 |

# GSMAP\_RAINFALL\_DLY

## UI Name: Parameter ID: Type: OTF

|  |  |  |
| --- | --- | --- |
| **Downloadi ng** | 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 |
| **Processin g Step** | Source | \\192.168.2.67\_data  /data\_mounts/vedas\_internals/S67/VEDAS\_Products/ GSMAP\_MOSDAC\_FTP\_Hourly\_H5/ |
| Output location | \192.168.2.68\_data  /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) |

1. **GSMAP\_RAINFALL\_WKL UI Name:** Weekly Rainfall(mm) **Parameter ID:** 74

**Type:** primary

|  |  |  |
| --- | --- | --- |
| **Downloadi ng** | 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 |
| **Processin g Step** | Source | \\192.168.2.67\_data  /data\_mounts/vedas\_internals/S67/VEDAS\_Products/ GSMAP\_MOSDAC\_FTP\_Hourly\_H5/ |
| Output location | \\192.168.2.68\_data |

|  |  |  |
| --- | --- | --- |
|  |  | /data\_mounts/processed\_68/PROCESSED\_DATA\_THEMES/  T5/T5S3/T5S3P2/ |
| 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) – 13:36 Every Day (Repeat Every day) |

1. **GSMAP\_RAINFALL\_NORMAL UI Name:** Weekly Rainfall Deviation (%) **Parameter ID:** 74

**Type:** primary

|  |  |  |
| --- | --- | --- |
| **Downloadi ng** | 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 |
| **Processin g Step** | Source | \\192.168.2.68\_data  /data\_mounts/processed\_68/ PROCESSED\_DATA\_THEMES/T5/T5S3/T5S3P2/ |
| Output location | \\192.168.2.68\_data  /data\_mounts/processed\_68/PROCESSED\_DATA\_THEMES/ T5/T5S3/T5S3P4/ |