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Rainfall Estimate (RFE)

Point of contacts for missing source data

NOAA

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Daily RFE

1. Afghanistan (RFE-2) – 1 file/day

Daily

Afghanistan

Product page(s) with documentation

<http://earlywarning.usgs.gov/fews/product/39>

FTP link to raw data

Central Asia Daily RFE from NOAA - <ftp://ftp.cpc.ncep.noaa.gov/fews/afghan>

Python script(s)

Location in “bin” folder →

D:\FEWS\DataPortal\bin\asia\centralasia\afghanistan\daily\rfe

- afghanistan_daily_rfe_config.py → Configuration file
- afghanistan_daily_rfe.py → Download daily RFE from NOAA, convert to BIL and upload compressed BIL file to web server (e.g. earlywarning.usgs.gov), and create 6-days RFE graphic and upload it to the web server.

Python script required from “lib” folder → daily_rfe_process.py

Products

Download → D:\FEWS\DataPortal\data\CentralAsia\Afghanistan\Daily\RFE\raw\YYYY (GZ files)

BIL product →

D:\FEWS\DataPortal\data\CentralAsia\Afghanistan\Daily\RFE\geobil\YYYY (TAR.GZ files)

Graphics → D:\FEWS\DataPortal\data\Central Asia\Daily\Afghanistan\RFE\graphics (PNG files)

Command line

USAGE: afghanistan_daily_rfe.py YYYY M D

where YYYY is the 4 digit year .. M is the 1-2 digit of the month (1-12).. and D is the 1-2 digit of the day (1-31). YYYY M D is an optional input, so the default input information is today's date.

Example

```
> afghanistan_daily_rfe.py 2013 6 10
```

Windows Task Scheduler

Daily RFE windows scheduled task using python script afghanistan_daily_rfe.py to run at 9:15 PM (CT) every day

Iraq (Iraq Tigris-Euphrates)

Product page(s) with documentation

<http://earlywarning.usgs.gov/fews/product/74>

Python script(s)

Location in “bin” folder → D:\FEWS\DataPortal\bin\asia\middleeast\iraq\daily\rfe

- iraq_daily_rfe_config.py → Configuration file
- iraq_daily_rfe.py → create BIL file, upload compressed BIL file to the FTP server (optional), and creates 6-days RFE graphic and upload it to the web server (e.g. earlywarning.usgs.gov). This python script uses the BIL information from Afghanistan as input data.

Python script required from “lib” folder → daily_rfe_process.py

Products

BIL product → D:\FEWS\DataPortal\data\MiddleEaste\Iraq\Daily\RFE\geobil\YYYY (TAR.GZ files)

Graphics → D:\FEWS\DataPortal\data\MiddleEaste\Iraq\Daily\RFE\graphics (PNG files)

Command line

USAGE: iraq_daily_rfe.py YYYY M D

where YYYY is the 4 digit year .. M is the 1-2 digit of the month (1-12).. and D is the 1-2 digit of the day (1-31).

YYYY M D is an optional input, so the default input information is today's date.

Example

```
> iraq_daily_rfe.py 2013 6 10
```

Windows Task Scheduler

Daily RFE windows scheduled task using iraq_daily_rfe.py to run at **9:15 PM (CT)** PM every day

Dekadal

Iraq (Iraq Tigris-Euphrates) anomalies

Product page(s) with documentation

dekadal RFE & Anomaly - <http://earlywarning.usgs.gov/fews/product/75>

Python script(s)

Location in “bin” folder → D:\FEWS\DataPortal\bin\asia\middleeast\iraq\dekadal\rfe

- iraq_dekadal_rfe_config.py → Configuration file.
- iraq_dekadal_rfe.py → creates dekadal RFE geoBIL zip, calculates anomaly differences using Iraq IWMI data and save them as ArcGrids, and creates a map graphic. The anomalies process runs for every dekad of the year.

Python script required from “lib” folder → dekadal_rfe_process.py,

periodicity_calculator.py, dekadal_functions.py

Products

BIL product → D:\FEWS\DataPortal\data\MiddleEast\Iraq\Dekadal\RFE\geobil\YYYY
(TAR.GZ file)

Grids → D:\FEWS\DataPortal\data\MiddleEast\Iraq\Dekadal\RFE\grids\ (ArcGrids for
anomalies output)

Anomalies Graphics →

D:\FEWS\DataPortal\data\MiddleEast\Iraq\Dekadal\RFE\graphics\anomdek (PNG files)

Command line

USAGE: iraq_dekadal_rfe.py YYYYDD

where YYYY is the 4 digit year and.. DD is the 2 digit dekad of the year
(01-36).. YYYYDD is an optional input, so the default input information is
today's date.

Example

> iraq_dekadal_rfe.py 201318

Windows Task Scheduler

**Dekadal RFE windows scheduler task using script iraq_dekadal_rfe.py to run at 3:00 AM
(CT) on the 2nd, 12th, and 22nd of each month.**