GFS climate parameters (GFSClimPars)

Point of contacts for Missing Source Data

NOAA
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Daily Global GFS climate parameter (GFS ClimPars) forecast data - 308 files/day

Subscription list for source site/data updates
GDAS and GFS - (we do not get the GFS data from here, from Kumar and Nicolas) - https://www.lstsrv.ncep.noaa.gov/mailman/listinfo/ncep.list.nomads-ftpprd

Batch python script for manual recovery or operational processing

Location: `D:\FEWS\DataPortal\bin`

`allregions_daily_gfspars.py` : runs daily GFS Pars processes that use this data as input. This process includes the Daily Compare Data process, so it is expected that all the dataset used are available, if not comparison results are not included in the log file and email notification. Needs also to be sure the global raw data is available for the different regions.

` USAGE: allregions_daily_gfspars.py [4-digit-year] [month(1-12)] [day(1-31)]`

Daily

Windows Task Scheduler

Daily GFS Climate Parameters windows scheduler task using main python script
`global_daily_gfs_pars.py` runs at **4:30 AM (CT)** every day of the month.

Full documentation

Find this document under the "additional_docs" folder.

Global

FTP link to raw data
ftp://ftp.cpc.ncep.noaa.gov/International/gfs_00z_25km/for_usgs/ (new since Jan. 16, 2015,
unflipped source data). Before Jan. 16, 2015 source data was 37km and flipped from
ftp://[ftp.cpc.ncep.noaa.gov/International/gfs_00z_37km/for_usgs](ftp://ftp.cpc.ncep.noaa.gov/International/gfs_00z_37km/for_usgs).
Backup site:ftp://ftp.cpc.ncep.noaa.gov/International/gfs_00z_25km/for_usgs/ - when Kumar is
not available and NOAA collaborators has notified the missing data is placed in this back up
site.

Python script(s)
Location in "bin" folder → `D:\FEWS\DataPortal\bin\global\daily\gfspars`
- `global_daily_gfs_pars_config.py` → Configuration file.
- `global_daily_gfs_pars.py` → Download (11 parameters, 7 days, 4 files/parameter/day
  = 308 files) from NOAA data from the current date o user-defined date and zip to single
  daily raw file.

Python script required from "lib" folder → `daily_gfs_process.py`

Products
Download → D:\FEWS\DataPortal\data\Global\Daily\GFSPars\raw\gfsp_YYYY (TAR GZ files)

Command line
USAGE: `global_daily_gfs_pars.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
> `global_daily_gfs_pars.py` 2013 9 9