

## NCEP CFS-related Model Runs and Data

July 26, 2013

The document lists the NCEP CFS-related model runs and data currently available, to be available and *potentially* available in August 2014 to the research and user communities.

### 1. Data currently available:

- 1.1. CFSR analysis and CFSv2 hindcasts at NCDC, which is not being updated in real-time  
Details can be found in <http://www.ncdc.noaa.gov/data-access/model-data/model-datasets/climate-forecast-system-reanalysis-and-reforecast-cfsrr>
- 1.2. A limited set of CFSR data via NCEP NOMADS server (this is being updated) ([http://nomad1.ncep.noaa.gov/ncep\\_data/](http://nomad1.ncep.noaa.gov/ncep_data/))
- 1.3. 7-day rotating archive of real-time CFSR and CFSv2 forecasts (<http://nomads.ncep.noaa.gov/pub/data/nccf/com/cfs/prod/>)
- 1.4. CFSv2 decadal runs (from PCMDI) (<http://pcmdi3.llnl.gov/esgcet/home.htm>)
- 1.5. CFSv2 CMIP simulations (<http://cfs.ncep.noaa.gov/pub/raid0/cfsv2/cmipruns/>)
- 1.6. NMME Phase-I hindcast data of monthly mean SST, P, T, Tmax, Tmin, Z200, soil moisture, and runoff.  
<http://iridl.ldeo.columbia.edu/SOURCES/.Models/.NMME/>
- 1.7. NMME real-time forecast data since August, 2011  
<http://www.cpc.ncep.noaa.gov/products/NMME/archive/>

### 2. Data available starting August 2014

#### 2.1. NMME Phase-II data

The description can be found at <http://www.cpc.ncep.noaa.gov/products/ctb/nmme/>.  
The link to the Phase-II data web site is to be provided.

- Monthly data
- Daily data of selected variables

### 3. Data potentially available starting August 2014

The availability of the data listed in this section is pending on the availability of the required resources (human power, data server) and the status of CFSv3 development.

- 3.1. CFSR reanalysis and CFSv2 hindcast data with more variables/levels/temporal resolutions currently in disks of NCEP scientists or in the EMC tapes.

- 3.2. CFSv2 real-time forecast data since March 2011
- 3.3. NMME-Phase-II 6-hourly data of selected variables for hurricane seasonal outlooks.
- 3.4. CFSv3 experimental data as they become available (based on the latest GFS coupled to MOM5 and Noah land model). For example,
  - AMIP runs
  - CMIP runs
  - Initialized prediction runs

#### **4. Contact Information**

NCEP Climate Test Bed Director, Jin Huang (Jin.Huang@noaa.gov)

#### **Appendix: Glossary:**

- CFS: Climate Forecast System
- CFSR: CFS Reanalysis
- CRSRR: CFS Reanalysis and Reforecast
- CFSv2: CFS Version 2
- CFSv3: CFS Version 3
- CMIP: Climate Model Intercomparison
- CPC: Climate Prediction Center
- GFS: Global Forecast System
- NOMADS: NOAA Operational Model Archive and Distribution System
- NCDC: National Climate Data Center
- NCEP: National Centers for Environmental Prediction
- NOAA: National Oceanic and Atmospheric Administration
- NMME: National Multi-Model Ensemble
- NWS: National Weather Service
- PCMDI: Program for Climate Model Diagnosis and Intercomparison
-