WRF USERS PAGE

Home   **Model System**   **User Support**   **Download**   **Doc / Pub**   **Links**   **Physics**   **Users Forum**   **WRF Forecast**

WRF

Real-time Data from NCEP

A number of datasets which can be used as input to WPS can now be downloaded directly from the [NCAR Research Data Archive (NCAR RDA)](#) web site:

- You must register with a user name and password to access the data (registration is free).
- Click on the 'Data Access' tab once on the data set home page.
- Most of the RDA data is free for all users. A very few are restricted to university users or researchers. Read the individual data set home pages for usage restrictions, if any, that apply to the data set.

Links to [HRRR data](#) and [Realtime Dataset from NOAA](#) can be found at the bottom of this page.

Available GRIB Datasets from NCAR

Dataset	Spatial Resolution	Temporal Resolution	Temporal Availability	Vtable
NCEP Final Analysis (GFS-FNL) *ds083.0*	2.5 degree	12-hourly	1997-04-01 to 2007-06-30	Vtable.GFS
NCEP Final Analysis (GFS-FNL) *ds083.2*	1 degree	6-hourly	1999-07-30 to current	
NCEP GDAS Final Analysis *ds083.3*	0.25 degree	6-hourly	2015-07-08 to current	
NCEP GFS *ds084.1*	0.25 degree	3-hourly (for first 240 hrs) 12-hourly (hrs 240-384)	2015-01-15 to current	
NCEP/NCAR Reanalysis (NNRP) *ds090.0*	209 km	6-hourly	1948-01-01 to current	Vtable.NNRP
NCEP Climate Forecast System Reanalysis (CFSR) *ds093.0*	0.3, 0.5, 1.0, 1.9, & 2.5 degree	6-hourly	1979-01-01 to 2011-01-01	Vtable.CFSR_press_pgbh06 & Vtable.CFSR_sfc_flxf06
NCEP Climate Forecast System Version 2 (CFSv2) *ds094.0*	0.2, 0.5, 1.0, and 2.5 degree	6-hourly	2011-01-01 to current	
ECMWF Operational Model Analysis *ds113.0*	varying		2011-01-01 to current	Vtable.ECMWF
NCEP North American Mesoscale (NAM) *ds609.0* *only covers North America*	12 km	6-hourly	2012-01-01 to current	Vtable.NAM
GCIP NCEP Eta *ds609.2*	40 km	6-hourly & 3-hourly	1995-04-30 to current	Vtable.AWIP.grib1 (through 2012) Vtable.ETA.grib2 (2013+)
ECMWF Atmospheric Reanalysis of the 20th Century (ERA 20C) *ds626.0*	125 km	3-hourly	1900-01-01 to 2011-01-01	Vtable.ERA-interim_pl
ERA-Interim Project *ds627.0*	1.125 to 0.703 degrees	1-hourly	1979-01-01 to current	
ERA5 Reanalysis *ds630.0*	31 km	6-hourly	2016-01-01 to 2016-03-01	

HRRR Archive at the University of Utah

NCEP High-resolution Rapid Refresh (HRRR)	3 KM	HRRR Download Page	HRRR Download Scripting Tips	HRRR Vtable

Realtime Datasets from NOAA

NCEP Pressure (pgrb2) and Supplemental (pgrb2b) GFS data	0.25 and 0.5 degree available	Obtain through ftp: ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gfs.YYYYMMDDHH
NCEP Ensemble GFS data	1 degree and some 0.5 degree available	Obtain through ftp: ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gens/prod/gefs.YYYYMMDD

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Home -- Model System -- User Support -- Doc / Pub -- Links -- Download -- WRF Real-time Forecast