



Local forecast by  
"City, St"

City, St

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**Attention NOMADS users:**  
**GFS Version 15 (FV3-based) model GRIB data and images are**  
**available for parallel testing and evaluation on our NCEP**  
**websites:**  
**Para NOMADS and MAG Eval**

**For questions or concerns, please contact:**  
**[ncep.pmb.dataflow@noaa.gov](mailto:ncep.pmb.dataflow@noaa.gov)**

## NOMADS

### NOAA Operational Model Archive and Distribution System

[Description of NOAA's NOMADS servers hosting NCEP model data](#)

**Help Desk:** Questions or problems please use the link to submit a service ticket.

**Background** Background documents about the NOMADS project.

**Service Description:** OCWWS Service Description Document

**Archive of Model Data:** Some data sets are archived by NCEI, check availability with the link.

**Terms of Data Usage:** Use this link to view the Term of Data Usage / Disclaimer.

Based on user requests NCEP will now be utilizing a subscriber list to make announcements with regards to all of our data servers. [Follow this link](#) to subscribe and review the list details.

If you have issues with any NCEP server please send your email to:

[ncep.pmb.dataflow@noaa.gov](mailto:ncep.pmb.dataflow@noaa.gov)

Include as much information about the error as you can - your connection information, the syntax of your request, when the problem started, the error reported, can you replicate the problem, etc.

Click on link in the Data Set field for description and availability info.

Click on the column headings for description of each data access method.

Data Set	freq	<a href="#">grib filter</a>	<a href="#">https</a>	<a href="#">gds-alt</a>
Global Models				
<a href="#">GDAS</a>	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	<a href="#">OpenDAP-alt</a>
<a href="#">GDAS 0.25</a>	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	<a href="#">OpenDAP-alt</a>
<a href="#">GFS 0.25 Degree</a>	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	<a href="#">OpenDAP-alt</a>

GFS 0.25 Degree Hourly	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
GFS 0.25 Degree (Secondary Params)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
GFS 0.50 Degree	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
GFS 1.00 Degree	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
GFS sflux	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
GFS Ensemble 1.00 Degree	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
GFS Ensemble 0.50 Degree	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
GFS Ensemble Precip Bias-Corrected	daily	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
GFS Ensemble 0.5 Degree Bias-Corrected	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
GFS Ensemble NDGD resolution Bias-Corrected	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAEFS high resolution Bias-Corrected	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAEFS NDGD resolution Bias-Corrected	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NGAC 2D Products	daily	<a href="#">grib filter</a>	<a href="#">https</a>	-
NGAC 3D Products	daily	<a href="#">grib filter</a>	<a href="#">https</a>	-
NGAC Aerosol Optical Depth Products	daily	<a href="#">grib filter</a>	<a href="#">https</a>	-
<b>Regional Models</b>				
AQM Daily Maximum	06Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
AQM Hourly Surface Ozone	06Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HIRESW Alaska	06Z, 18Z	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HIRESW CONUS	00Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HIRESW Guam	00Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HIRESW Hawaii	00Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HIRESW Puerto Rico	06Z, 18Z	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HREF Alaska	06Z, 18Z	<a href="#">grib filter</a>	<a href="#">https</a>	-
HREF CONUS	00Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	-
HREF Guam	00Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	-
HREF Hawaii	00Z, 12Z	<a href="#">grib filter</a>	<a href="#">https</a>	-
HREF Puerto Rico	06Z, 18Z	<a href="#">grib filter</a>	<a href="#">https</a>	-
HRRR	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HRRR Sub Hourly	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	-
HRRR AK	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
HRRR AK Sub Hourly	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	-
HWRF	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
HMON	6 hours	-	<a href="#">https</a>	-
HYSPLIT	6 hours	-	<a href="#">https</a>	-
NAM Alaska Pressure Level Vars (11.25km)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM Alaska Surface Vars (11.25km)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
NAM CONUS (12km)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM North America (32km)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM Caribbean/Central America	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM Pacific	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM NEST Alaska	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM NEST CONUS	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM NEST HAWAII	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAM NEST Puerto Rico	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
National Water Model	6 hours	-	<a href="#">https</a>	-
NBM (National Blend of Models)	hourly	-	<a href="#">https</a>	OpenDAP-alt
North American Land Data Assimilation System	daily	-	<a href="#">https</a>	-
RTMA ALASKA	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt

RTMA2.5 CONUS	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RTMA CONUS Rapid Update	15 min	<a href="#">grib filter</a>	<a href="#">https</a>	-
RTMA Guam	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RTMA Hawaii	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RTMA Puerto Rico	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RAP	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RAP 32km North America	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RAP Eastern North Pacific	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NARRE	hourly	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
SREF CONUS (40km)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
SREF CONUS (40km) Bias-Corrected	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
SREF North America (32km)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
SREF North America (16km)	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
URMA	hourly	-	<a href="#">https</a>	-
<b>Climate Models</b>				
Climate Forecast System Flux Products	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
Climate Forecast System 3D Pressure Products	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
Climate Data Assimilation System - 1	6 hours	-	<a href="#">https</a>	-
Climate Data Assimilation System - 2	6 hours	-	<a href="#">https</a>	-
Climatology Calibrated Precipitation Analysis	6 hours	-	<a href="#">https</a>	-
<b>Ocean Models</b>				
RTOFS Atlantic	daily	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RTOFS Atlantic HIRES	daily	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
RTOFS Global	daily	-	<a href="#">https</a>	OpenDAP-alt
Sea Ice	daily	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
Wave	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
Great Lake Wave	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
Multi-grid Wave	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
Global Wave Ensemble System	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
NCEP and FNMOC Combined Ensemble Wave	12 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
P-Surge	6 hours	-	<a href="#">https</a>	-
ESTOFS Atlantic	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
ESTOFS Pacific	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
ESTOFS Micronesia	6 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
ET-Surge	6 hours	-	<a href="#">https</a>	-
P-ETSS	6 hours	-	<a href="#">https</a>	-
National Operational Coastal Modeling Program	6 hours	-	<a href="#">https</a>	-
Nearshore Wave Prediction System	6 hours	-	<a href="#">https</a>	-
<b>Space Weather Models</b>				
WSA-Enlil	12 hours	-	<a href="#">https</a>	-
<b>External Models</b>				
CMC Ensemble	12 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
FNMOC Ensemble and Bias Corrected	12 hours	<a href="#">grib filter</a>	<a href="#">https</a>	OpenDAP-alt
NAVGEN	daily	-	<a href="#">https</a>	-
NCOM	daily	-	<a href="#">https</a>	OpenDAP-alt
UKMET	12 hours	-	<a href="#">https</a>	-
557ww Ensemble	12 hours	<a href="#">grib filter</a>	<a href="#">https</a>	-
<b>Parallel Models</b>				

Parallel GFS FV3 0.25 Degree	6 hours	""	<a href="#">https</a>	<a href="#">OpenDAP-alt</a>
Parallel GFS FV3 0.25 Degree Hourly	6 hours	""	<a href="#">https</a>	<a href="#">OpenDAP-alt</a>
<a href="#">PARA NOMADS</a>				

## Definitions and Links

<a href="#">EMC</a>	Environmental Modeling Center
<a href="#">GRIB</a>	WMO standard for encoding gridded fields
<a href="#">Products</a>	NCEP Model Output Inventory
<a href="#">NCEP</a>	National Centers for Environmental Prediction, part of NWS
<a href="#">NWS</a>	National Weather Service, part of the Department of Commerce

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NOAA/ National Weather Service  
National Centers for Environmental Prediction  
5830 University Research Court  
College Park, Maryland 20740  
NCEP Internet Services Team

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