

NAEFS Products Distribution

System	Current available products
Configuration	1.0 deg 0-384 hours, every 6 hours 20 members (NCEP) and 20 members (CMC) ensemble control (NCEP and CMC)
Format	GRIB1 (and GRIB2, GIF images for web display)
CCS	NCEP: pgrba, pgrbb, pgrba_bc, pgrba_an, pgrba_wt, ensstat, ndgd CMC: pgrba, pgrba_bc, pgrba_an, pgrba_wt, ensstat NAEFS: ndgd, pgrba_an, pgrba_bc
ftpprd	<p style="text-align: center;">ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gens/prod cd gefs.\${yyyymmdd} for NCEP ensemble</p> <ol style="list-style-type: none"> 1. pgrb2a (00, 06, 12 and 18UTC) (1.0 degree, all lead times, 1(c) + 20 (p)) 2. pgrb2alr (00, 06, 12 and 18UTC) (2.5 degree, all lead times, 1(c) +20 (p)) 2. pgrb2b (00, 06, 12 and 18UTC) (1.0 degree, all lead times, 1(c) + 20 (p)) 4. pgrb2blr (00 and 12UTC) (2.5 degree, all lead times, 1(c) + 20 (p)) 5. ensstat (00UTC) (prcp_bc, pqp and pqp_bc files) 6. wafs (00 and 12UTC) 7. ndgd_gb2 (00, 06, 12, 18UTC) (CONUS-5km, all lead times and all probability forecasts) <p style="text-align: center;">ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gens/prod cd cmce.\${yyyymmdd} for CMC ensemble</p> <ol style="list-style-type: none"> 1. pgrba (00 and 12UTC) (1.0 degree, all lead times, 1 control + 20 members) <p style="text-align: center;">ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gens/prod cd naefs.\${yyyymmdd} for NAEFS products</p> <ol style="list-style-type: none"> 1. pgrb2a_an (00, 12UTC) (1.0 degree, all lead times, anomaly for ensemble mean) 2. pgrb2a_bc (00,12UTC) (1.0 degree, all lead times, probabilistic forecasts) 3. ndgd_gb2 (00,12UTC) (CONUS-5km, all lead times, probabilistic forecasts)

TOC	<p>ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/cd MT.ensg_CY.{\$cyc}/RD.{\$yyyymmdd} for NCEP only</p> <ol style="list-style-type: none"> 1. PT.grid_DF.gr1_RE.high (00 and 12UTC) (Pgrba: 1.0 and 2.5 degree, 0-384 hrs, c + 10 (p)) 2. PT.grid_DF.gr1_RE.low (00 and 12UTC) (Pgrbb: 1.0 degree, 0-84 hrs, 2.5 d, 90-384 hrs, c + 10 (p)) 3. PT_grid_DF.bb
NOMADS (non-operation)	<p>http://nomad5.ncep.noaa.gov/ncep_data/ for ftp: combined pgrba and pgrbb at 1 degree resolution, for all ensemble members (c+14(p)) and all lead time (0-384 hours)</p> <p>http://nomad5.ncep.noaa.gov/pub/gens/archive/ for http: combined pgrba and pgrbb at 1 degree resolution</p>
Web	<p>http://wwwt.emc.ncep.noaa.gov/gmb/ens/index.html</p> <ol style="list-style-type: none"> 1. PQPF (type, 6-hours, CONUS) 2. PQPF (24-hours, regions and global, bias-corrected) 3. RMOP (500hPa height, NA and Asia region) 4. Ensemble mean, spread and spaghetti 5. Cyclone tracking and strike probability
Details	<p>See: http://www.emc.ncep.noaa.gov/gmb/ens/NAEFS.html Contact: Yuejian.Zhu@noaa.gov or Zoltan.Toth@noaa.gov</p>

SREF Products Distribution

System	Current available products
Configuration	21-member with 4 models (Eta, RSM, NMM, ARW), 32-45km, North America, 4 cycles/day (03,09,15,21z)
Format	GRIB1/BUFR (and GRIB2, GIF images for web display)
CCS	Directory: /com/serf/prod Members: grib in 212, 216, 243 grids and bufr Products: mean, spread and prob in grib for three grids
ftpprd	ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/sref/prod Eta and RSM members and products (mean, spread and prob) in grib and 212, 216, 243 grids.
TOC	ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/ (not available)
NOMADS (non-operation)	http://nomad5.ncep.noaa.gov/ncep_data/ All members in grib1 format
Web	http://www.emc.ncep.noaa.gov/mmb/SREF/SREF.html members, mean, mode (precipitation type), extremes(precipitation), spread, probability, spaghetti
AWIPS	Mean, spread, probability in grib1 format and 212, 216, 243 grids
Details	See: http://www.emc.ncep.noaa.gov/mmb/SREF.html Contact: Jun.Du@noaa.gov or Zoltan.Toth@noaa.gov

Wave Ensemble Products Distribution

System	Implementation Time
Format	GRIB 1 (GIF images for web display)
CCS	NCEP: /com/wave/prod/wave.\${yyyymmdd}/ Gep\${nn}.t\${cyc}z.\${name) Name: Mean, spread, prob.
Web	http://wwwt.emc.ncep.noaa.gov/gmb/ens/index.html Wind speed, significant wave height and peak wave period 4 cycles per day (00UTC, 06UTC, 12UTC and 18UTC) 1. spaghetti (thresholds 1m, 2m, 3m, 4m, 5.5m, 7m and 9m) 2. mean and spread 3. probability (thresholds 1m, 2m, 3m, 4m, 5.5m, 7m and 9m)
Details:	http://www.emc.ncep.noaa.gov/projects/wd21hc/ensemb/web/html/ contact: Hsuan.Chen@noaa.gov