

THORPEX Interactive Global Grand Ensemble (TIGGE)

<http://tigge.ucar.edu/>

<http://tigge-portal.ecmwf.int/d/tigge/levtype=sfc/type=cf/>

The TIGGE dataset compiles the output of several centers' global ensemble numerical weather models into a single repository. The dataset includes data from the following centers:

- United Kingdom Met Office (UKMET)
- National Centers for Environmental Prediction (NCEP)
- European Centre for Medium-Range Weather Forecasts (ECMWF)
- Japan Meteorological Agency (JMA)
- Chinese Meteorology Administration (CMA)

The data available varies among the centers' ensembles, but each has sufficient data for initializing limited area numerical weather models. Such data include single-level (e.g., mean sea-level pressure, 10-meter wind velocity, total precipitation) as well as pressure-level data (e.g., geopotential height, specific humidity, temperature). Furthermore, each ensemble runs for various lengths and has differing number of members. However, the purpose of TIGGE is to provide a single repository for all ensemble forecasts, in effect creating a grand superensemble (after a fashion).