News

2019

13-12-2019 HW issue affecting some TIGGE data availability

We have experienced a hardware incident with a damaged tape volume (J0144200). Users trying to access data described below will get an error message until the problem is resolved.

Affected data:
- type = pf
- levtype = sfc
- ranges: many dates across the whole TIGGE period

The expected data recovery is in 2-4 weeks in case of success. We apologise for any inconvenience.

04-12-2019 UKMO forecast system change

The UKMO global ensemble prediction system (origin egrr in the TIGGE archive) was upgraded to version PS43 for the 12UTC cycle on 4 December 2019. Find more information in the Model upgrades page.

01-04-2019 TIGGE user survey

The results of the 1st TIGGE user survey have been published. The total number of 383 users answered various questions about their experience with TIGGE products.

2018

30-11-2018 ECMWF Tropical cyclone track data

The tropical cyclone track data from ECMWF model has been moved to a new location. Find more information in the page Tools. The new location is accessible also via a quick link in the top right section of the main ECMWF TIGGE page.

10-10-2018 TIGGE related workshop at ECMWF

There will be a major event related to TIGGE archive at ECMWF, 2-5 April 2019: Workshop on Predictability, dynamics and applications research using the TIGGE and S2S ensembles. It is open now for registration and abstract submission.

Click here for more details.

18-9-2018 CMC forecast system change

The CMC global ensemble prediction system (origin cwao in the TIGGE archive) was upgraded to version 5.0.0 on 18 September 2018.

The main changes in this upgrade are:
- The 800x400 global Gaussian grid at 50 km resolution is updated to a Yin-Yang grid at 39 km resolution
- The model top is raised from 2 hPa to 0.1 hPa.
- In the ensemble Kalman filter assimilation component, the digital filter initialization is replaced by an incremental analysis update (IAU) procedure.

Click here for more details.
13-09-2018 HW issue affecting some TIGGE data availability

We have recently experienced a hardware incident with a tape volume becoming damaged. Users trying to access data described below will get an error message until the problem is resolved.

Affected data:
- type = cf
- levtype = pl
- ranges: 2017/06/09 to 2017/06/10, 2017/08/03 to 2017/10/23 and 2018/01/24 to 2018/08/26

The expected data recovery is in 2-4 weeks in case of success. We apologise for any inconvenience.

As of 24 Sep 2018 the access to all previously unavailable data has been restored successfully.

24-07-2018 NCMRWF forecast system change

Update of NCMRWF forecast system. A new version of NCMRWF model was introduced. The first archived updated model runs are from the 1st of July. The main changes are:
- reduced number of the ensemble size from 45 to 12
- two model runs 00 and 12 UTC at very high resolution (0.12x0.18 degree)

Click here for more details.

18-06-2018 Usage statistics

A new page with TIGGE data usage statistics was added.

2017

20-12-2017 New model (NCMRWF, India) added to TIGGE archive

New model outputs (NCMRWF, India) were added to TIGGE archive. The first starting date available thanks to the back-archiving is the 1st of August 2017. Click here for more details.

11-07-2017 ECMWF forecast system change

Update of ECMWF forecast system. A new version of ECMWF model (IFS cycle 43r3) was introduced. Click here for more details.

11-07-2017 Met Office Tropical Cyclone CXML data

From the 12UTC forecast on 11th July 2017 the Met Office tropical cyclone CXML data come from the upgraded MOGREPS-G (UM PS39) forecasts. Note that each CXML dataset includes tracks from a lagged ensemble of 36 members, i.e. the current forecast and the forecast from 6 hours earlier. The CXML data are available via the NCAR archive at http://rda.ucar.edu/datasets/ds330.3/ or see the TIGGE cyclone exchange page at http://www.cawcr.gov.au/research/cyclone-exchange/ for further information.

11-07-2017 Met Office forecast system change

Update of MetOffice forecast system. A new version of MetOffice model (UM PS39) was introduced. Click here for more details.

19-01-2017 JMA forecast system change

Update of JMA forecast system. A new version of JMA model was introduced. Click here for more details.

2016
22-11-2016 ECMWF forecast system change
Update of ECMWF forecast system. A new version of ECMWF model (IFS cycle 43r1) was introduced. Click here for more details.

08-11-2016 MetOffice forecast system change
Update of MetOffice forecast system. A new version of MetOffice model (UM PS38) was introduced. Click here for more details.

29-06-2016 KMA ensemble system upgrade
Update of KMA forecast system. A new version of the KMA model (UM version 8.5) was introduced. The most noticeable change is the increase by 1 ensemble member, from 24 (23+control) to 25 (24+control).

08-03-2016 ECMWF forecast system change
Update of ECMWF forecast system. A new version of ECMWF model (IFS cycle 41r2) was introduced. Click here for more details.

15-12-2015 Issues with NCEP feed
Some problems occurred with the feed for NCEP data, which prevented their ingestion in the TIGGE database from December 2015. The problems are under investigation and it will be notified once resumed.

21-10-2015 Met Office CXML data
From the 06UTC forecast on 21st October 2015, the Met Office tropical cyclone prediction (CXML) data is now based on the higher-resolution MOGREPS-G forecasts. MOGREPS-G is run four times a day (00, 06, 12 and 18Z) using a 12-member ensemble with a grid length of approx 33km. Until now, the CXML data was based on the lower resolution MOGREPS-15 ensemble, even though MOGREPS-G data has been supplied to the TIGGE archive since July 2014. Note that each CXML dataset includes tracks from a lagged ensemble of 24 members, i.e., the current forecast and the forecast from 6 hours earlier. The CXML data are available via the NCAR archive at http://rda.ucar.edu/datasets/ds330.3/ or see the TIGGE cyclone exchange page at http://www.cawcr.gov.au/research/cyclone-exchange/ for further information.

15-07-2014 TIGGE data from UK Met Office
From Tuesday 15th July, the 15-day MOGREPS-15 EPS data will no longer be sent to TIGGE. It will be replaced by higher resolution MOGREPS-G data, with a 7-day range. There will be a gap in the data provision, but it is planned to back-fill the gap in due course. The new ensemble data includes 12 members run four times a day, with a reduced number of parameters. Click here for more details.

15-07-2014 TIGGE data from UK Met Office
From Tuesday 15th July, the 15-day MOGREPS-15 EPS data will no longer be sent to TIGGE. It will be replaced by higher resolution MOGREPS-G data, with a 7-day range. There will be a gap in the data provision, but it is planned to back-fill the missing data within a few weeks. The number of TIGGE parameters available from the new MOGREPS-G feed will be significantly reduced. Click here for more details.

2015

15-12-2015 Issues with NCEP feed
Some problems occurred with the feed for NCEP data, which prevented their ingestion in the TIGGE database from December 2015. The problems are under investigation and it will be notified once resumed.

21-10-2015 Met Office CXML data
From the 06UTC forecast on 21st October 2015, the Met Office tropical cyclone prediction (CXML) data is now based on the higher-resolution MOGREPS-G forecasts. MOGREPS-G is run four times a day (00, 06, 12 and 18Z) using a 12-member ensemble with a grid length of approx 33km. Until now, the CXML data was based on the lower resolution MOGREPS-15 ensemble, even though MOGREPS-G data has been supplied to the TIGGE archive since July 2014. Note that each CXML dataset includes tracks from a lagged ensemble of 24 members, i.e., the current forecast and the forecast from 6 hours earlier. The CXML data are available via the NCAR archive at http://rda.ucar.edu/datasets/ds330.3/ or see the TIGGE cyclone exchange page at http://www.cawcr.gov.au/research/cyclone-exchange/ for further information.

2014

02-12-2014 TIGGE Website migration
Please note that information from the TIGGE website is being migrated. This website is no longer being updated. The main TIGGE project page is now at http://www.ecmwf.int/en/research/projects/tigge and further details about TIGGE are available via https://software.ecmwf.int/wiki/display/TIGGE/Home

06-11-2014 Met Office TIGGE data - November 2014 update
The Met Office TIGGE data now includes data from the higher resolution, 7-day MOGREPS-G global ensemble (rather than MOGREPS-15, as used up to 00Z 15th July). The new data are being provided in near-real time from 00Z 6th November, and it is planned to back-fill the gap in due course. The new ensemble data includes 12 members run four times a day, with a reduced number of parameters. Click here for more details.
2012

19-06-2012 Update of ECMWF ensemble forecast system
A new version of ECMWF model was introduced at ECMWF. Parameter convective inhibition (CIN) has been added to the TIGGE database.

2011

15-02-2011 Error in JMA land-sea mask
JMA have reported that the current 'Land-sea mask' values in the JMA TIGGE data are incorrect. Although the land-sea mask has not changed, an error in output processing resulted in incorrect land-sea mask data starting from 16 December 2010. Data before that date is correct. JMA are working to both fix the problem and improve their EPS within a few months, and will make further announcement when the changes have been made.

2010

18-12-2010 Update of JMA ensemble forecast system
A representation of model uncertainty was introduced into the medium-range EPS from the Japan Meteorological Agency (JMA) on 17 December 2010. The method uses a stochastic perturbation of the physical tendencies.

20-07-2010 TIGGE data from the Australian Bureau of Meteorology
The ensemble forecasts from the Australian Bureau of Meteorology's GASP EPS have been terminated from 20th July 2010, and so are no longer being input to the TIGGE data base. A new system, AGREPS (an Australian implementation of the Met Office MOGREPS system) is under development. In due course AGREPS data will be included in TIGGE, but it is anticipated that there could be a gap of a year or more before AGREPS is operational.

23-04-2010 TIGGE website update
We are currently updating this website. We have added more information about TIGGE research and the GIFS-TIGGE working group, and links to several other TIGGE-related websites. Further changes will follow soon - specifically changes to the dynamic web pages (the ones with "/d/" in their URL) to make them consistent with the rest of the website. Richard Swinbank.

23-03-2010 8th meeting of the THORPEX GIFS-TIGGE Working Group
The 8th meeting of the THORPEX GIFS-TIGGE Working Group was held at WMO Headquarters, Geneva, 22-24 February 2010

2008

01-02-2008 All Data Providers in production mode
After being processed in test mode, data from Brazilian Centro de Previsao Tempo e Estudos Climaticos (CPTEC) is ingested in the TIGGE database in production mode from 1st February 2008.

2007
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>28-12-2007</td>
<td>Data from Korea Meteorological Administration in production mode                                                                                After being processed in test mode, data from KMA is ingested in the TIGGE database in production mode from 28th December 2007.</td>
</tr>
<tr>
<td>26-10-2007</td>
<td>Data from Meteo France in production mode                                                                                                          After being processed in test mode, data from Meteo France is ingested in the TIGGE database in production mode from 25th October 2007.</td>
</tr>
<tr>
<td>03-10-2007</td>
<td>Data from the Canadian Meteorological Centre in production mode                                                                                  After being processed in test mode, CMC data is ingested in the TIGGE database in production mode from cycle 00Z of 3rd October 2007.</td>
</tr>
<tr>
<td>03-09-2007</td>
<td>Data from Bureau of Meteorology (BoM) in production mode                                                                                           After being processed in test mode, BoM data is ingested in the TIGGE database in production mode from cycle 00Z of 3rd September 2007.</td>
</tr>
<tr>
<td>03-10-2007</td>
<td>Data from the Canadian Meteorological Centre in production mode                                                                                  After being processed in test mode, CMC data is ingested in the TIGGE database in production mode from cycle 00Z of 3rd October 2007.</td>
</tr>
</tbody>
</table>
| 06-03-2007 | New fields from JMA and update of the distribution scheme                                                                                           JMA will update the distribution scheme of JMA's EPS data for TIGGE data base on 20 March 2007 from ftp-put by JMA to http-get by ECMWF from our new data distribution server. Japan Meteorological Agency will add on 20 March 2007 to the TIGGE database:  
  - surface air maximum and minimum temperature,  
  - snow depth water equivalent,  
  - total column water,  
  - all radiation and flux parameters,  
  - skin temperature,  
  - soil moisture.  
  Furthermore the forecast-step interval of all pressure level parameters and surface pressure was changed from 12 hours to 6 hours. The land-sea mask and orography for control forecast at forecast-step 0 were also added. |
| 05-03-2007 | Data from NCEP archived at ECMWF                                                                                                                  After being processed in test mode the NCEP data will be archived at ECMWF in production mode from cycle 00Z of 5th March 2007. |
| 29-01-2007 | New fields added by the UK MetOffice                                                                                                               UK MetOffice added total column water, soil moisture (with wilting point & field capacity in control run output) and soil temperature to the TIGGE database. Furthermore wind (u and v) was added on potential vorticity level 2 PVU. The Land Sea Mask for control forecast at all timesteps is now also available from the UK MetOffice. |
| 28-11-2006 | ECMWF Ensemble Prediction System is extended up to day 15                                                                                           ECMWF implements Variable Resolution Ensemble Prediction System and extends the forecast range from 10 days to 15 days. The forecast consists of two legs: leg 1 goes from day 0 to day 10 and is followed by leg 2 going up to day 15. The Atmospheric Model runs at resolution T399 (62 vertical levels) or N200 for leg 1. Leg 2 runs at resolution T255 (62 vertical levels) or N128. This change is carried over to the TIGGE Database. |
01-10-2006 TIGGE database went into production

Started production version of the TIGGE database. It contains output from the European Centre for Medium-Range Weather Forecasts, the Japan Meteorological Agency and the UK MetOffice.