Research articles

We have compiled a list of scientific papers, conference presentations and other reports of research using TIGGE data. We survey the literature every year or so to update the list, but we encourage all researchers using TIGGE data to inform us, so that we can publicise your work more quickly via this website.

How to refer to TIGGE in a paper

TIGGE DOI for scientific papers: https://doi.org/10.1175/2010BAMS2853.1

Please use the following acknowledgement to refer to TIGGE:

"This work is based on TIGGE data. TIGGE (The Interactive Grand Global Ensemble) is an initiative of the World Weather Research Programme (WWRP)."

It is important to mention the data source of your research to be able to keep the TIGGE project alive for longer.

Regarding dataset source, please cite:


2019 (2)


2018 (26)


(*) below means number of articles weakly related to TIGGE


(* below means number of articles weakly related to TIGGE)
2017 (27)


- S. Karuna sagar et.al., (2017), Prediction skill of Rainstorm events over India in the TIGGE weather prediction models, Atmospheric Research, 198, 194-204.


- Ying, Y. and F. Zhang (2017), Practical and Intrinsic Predictability of Multiscale Weather and Convectively Coupled Equatorial Waves during the Active Phase of an MJO, Journal of the Atmospheric Sciences

- Yamaguchi, M., J. Ishida, H. Sato, and M. Nakagawa (2017), WGNE Intercomparison of Tropical Cyclone Forecasts by Operational NWP Models: A Quarter Century and Beyond, Bulletin of the American Meteorological Society

2016 (21)


- Don, P.K., J.L. Evans, F. Chiaramonte, and A.M. Kowalewska (2016), Mixture-Based Path Clustering for Synthesis of ECMWF Ensemble Forecasts of Tropical Cyclone Evolution. Monthly Weather Review

- Dong, L. and F. Zhang (2016), OBEST: An Observation-Based Ensemble Subsetting Technique for Tropical Cyclone Track Prediction. Weather and Forecasting


- Oshiyama, Sayama, Iwami (2016), Ensemble flood forecasting caused by typhoons Talas and Roke at Hyogo dam basin. Journal of Disaster Research, Vol.11(8), 1032-1039


- Ushiyama, Sayama, Iwami (2016), Ensemble flood forecasting caused by typhoons Talas and Roke at Hyogo dam basin. Journal of Disaster Research, Vol.11(8), 1032-1039


2015 (22)


- Frank P. Colby Jr (2015), Global Ensemble Forecast Tracks for Tropical Storm Debby, Weather and Forecasting


Ruoyn Niu, Panmoo Zhai, Baiquan Zhou (2015), Evaluation of Forecast Performance of Asian Summer Monsoon Low-Level Winds Using the TIGGE Dataset, Weather and Forecasting


2014 (34, *)


2011 (31, *7)
2010 (17, *)


2007 (4, *1)


2006 (1, *0)

• Matsueda, M., M. Kyouda, H.L. Tanaka and T. Tsuyuki, 2006: Multi-Center Grand Ensemble using Three Operational Ensemble Forecasts. SOLA, 2, 33-36 http://www.jstage.jst.go.jp/article/sola/2/0/2_33/_article

2005 (1, *0)