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 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:


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

2019 (2)


2018 (26)

• Kim, Tae Hwan et al. (2018) Verification of the skill of numerical weather prediction models in forecasting rainfall from U.S. landfalling tropical cyclones, Journal of Hydrology, 556, 1026-1037
• Kim, Tae Hwan et al. (2018) Verification of the skill of numerical weather prediction models in forecasting rainfall from U.S. landfalling tropical cyclones, Journal of Hydrology, 556, 1026-1037


2017 (27)


Leonardo, N.M. and B.A. Colle (2017), Verification of Multimodel Ensemble Forecasts of North Atlantic Tropical Cyclones, Weather and Forecasting


Leonardo, N.M. and B.A. Colle (2017), Verification of Multimodel Ensemble Forecasts of North Atlantic Tropical Cyclones, Weather and Forecasting


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)

- Xiping Zhang and Hui Yu (2017), A Probabilistic Tropical Cyclone Track Forecast Scheme Based on the Selective Consensus of Ensemble Prediction Systems, Weather and Forecasting

2015 (22)

- Colby, Frank P. Jr., 2016: Tropical Cyclone Track and Intensity Errors in the 2015 NCEP Global Ensemble Model. Proceedings of the 32nd Conference on Hurricanes and Tropical Meteorology, San Juan, PR, 18-22 April, 2016
- Don, P.K., J.L. Evans, F. Chiaromonte, and A.M. Kowaleks (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
- Tsing-Chang Chen, Jeng-Dar Tsay, Eugene S. Takte (2016), A Forecast Advisory for Afternoon Thunderstorm Occurrence in the Taipei Basin during Summer Developed from Diagnostic Analysis, Weather and Forecasting
- Zhou, B. and P. Zhai (2016), A New Forecast Model Based on the Analog Method for Persistent Extreme Precipitation, Weather and Forecasting
2012 (24, *5)


2009 (14, *1)


2008 (17, *4)


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.istage.jst.go.jp/article/sola/2/0/2_33/_article

2005 (1, *0)