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:


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

2019

(2)


2018

(26)


2017


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, 190, 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. and N. Koide (2017), Tropical Cyclone Genesis Guidance Using the Early Stage Dvorak Analysis and Global Ensembles, Weather and Forecasting
• 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

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• Don, P.K., J.L. Evans, F. Chiaronmote, and A.M. Kowaleski (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
• Herrera, M.A., I. Szunyogh, and J. Tribbia (2016), Forecast Uncertainty Dynamics in the THORPEX Interactive Grand Global Ensemble (TIGGE), Monthly Weather Review
• Tsing-Chang Chen, Jenq-Dar Tsay, Eugene S. Takle (2016), Verification of Tropical Cyclone Genesis Forecasts from Global Numerical Models: A Quarter Century and Beyond, Bulletin of the American Meteorological Society
• Yang Bo, Sun Jisong, Mao XuLin yinjing. during Summer Developed from Diagnostic Analysis, Weather and Forecasting
• 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. and N. Koide (2017), Tropical Cyclone Genesis Guidance Using the Early Stage Dvorak Analysis and Global Ensembles, Weather and Forecasting
• 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

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• Carolyn A. Reynolds, Elizabeth A. Satterfield, Craig H. Bishop (2015), Using Forecast Temporal Variability to Evaluate Model Behavior, Monthly Weather Review
2013

(30, 9)


2012

- Duan, Yihong, Jiandong Gong, Jun Du, Martin Charron, Jing Chen, Guo Deng, Geoff DiMego, Masahiro Haras, Masaru Kunii, Xiaoil Li, Yinglin Li, Kazuo Saio, Hiromu Seko, Yong Wang, Christoph Wittmann, 2012, An Overview of the Beijing 2008 Olympics Research and Development Project (BOASPDR), Bulletin of the American Meteorological Society. 93 (3), 381–403. doi: http://dx.doi.org/10.1175/BAMS-D-11-00115.1
- Schumacher, R. S., T. J. Galarneau, Jr., 2012, Moisture transport into midlatitudes ahead of recurring tropical cyclones and its relevance in two predecessor rain events, Monthly Weather Review, e-View. doi: http://dx.doi.org/10.1175/MWR-D-11-00307.1

2011


2009


2008


2007


2006

• 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 http://www.jstage.jst.go.jp/article/sola/2/0/2_33/_article

2005

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