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 ] [ 2018 ] [ 2017 ] [ 2016 ] [ 2015 ] [ 2014 ] [ 2013 ] [ 2012 ] [ 2011 ] [ 2010 ] [ 2009 ] [ 2008 ] [ 2007 ] [ 2006 ] [ 2005 ]

(*) 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, 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

Yamaguchi, M. and N. Koido (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

2016


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. Chiaramonte, and A.M. Kowaleki (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, Jenq-Dar Tsay, Eugene S. Takle (2016), A Forecast Advisory for Afternoon Thunderstorm Occurrence in the Taipei Basin during Summer Developed from Diagnostic Analysis, Weather and Forecasting


2015


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


Muneihiko Yamaguchi, Frédéric Vitart, Simon T.K. Lang, Linus Magnusson, Russell L. Elsberry, Grant Elliot, Masayuki Kyouda, Tetsuo Nakazawa (2015), Global Distribution of the Skill of Tropical Cyclone Activity Forecasts on Short- to Medium-Range Time Scales, Weather and Forecasting


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


2014


• *Davis, Christopher A., Wen-Chau Lee. 2012: Mesoscale Analysis of Heavy Rainfall Episodes from SoWMEX/TiMREX. Journal of the Atmospheric Sciences, 69 (2), 521-537. doi: http://dx.doi.org/10.1175/JAS-D-11-0120.1


• *Duan, Yihong, Jiandong Gong, Jun Dun, Martin Charron, Jing Chen, Guo Deng, Geoff DiMego, Masahiro Haru, Masaru Kunii, Xiaoli Li, Yinglin Li, Kaizuo Saito, Hiromu Seko, Yong Wang, Christoph Wittmann, 2012, An Overview of the Beijing 2008 Olympics Research and Development Project (BO6RDP), Bulletin of the American Meteorological Society, 93 (3), 381-403. doi: http://dx.doi.org/10.1175/BAMS-D-11-00115.1


2011


2009

(14,1)


2009

(14,1)


2008

(17, *4)


2007

(4, *1)


2006

(1, *0)
2005

(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