Experiments of Hurricane Initialization with Airborne Data Using the Advanced Research Hurricane WRF (AHW) Model

Citation Report

#	ARTICLE	IF	CITATIONS
1	Impact of Airborne Doppler Radar Data Assimilation on the Numerical Simulation of Intensity Changes of Hurricane Dennis near a Landfall. Journals of the Atmospheric Sciences, 2009, 66, 3351-3365.	0.6	65
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3	A forecast sensitivity study on the intensity change of Typhoon Sinlaku (2008). Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	4
4	Simulations of Cyclone Sidr in the Bay of Bengal with a high-resolution model: sensitivity to large-scale boundary forcing. Meteorology and Atmospheric Physics, 2011, 114, 123-137.	0.9	33
5	A typhoon simulation test with assimilated Doppler radar data. , 2011, , .		0
6	Application of the WRF Hybrid ETKFâ€"3DVAR Data Assimilation System for Hurricane Track Forecasts. Weather and Forecasting, 2011, 26, 868-884.	0.5	60
7	Incorporating Additional Sounding Observations in Weather Analysis and Rainfall Prediction During the Intensive Observing Period of 2006 TWP-ICE. Terrestrial, Atmospheric and Oceanic Sciences, 2011, 22, 421.	0.3	1
8	The Influence of Airborne Doppler Radar Data Quality on Numerical Simulations of a Tropical Cyclone. Weather and Forecasting, 2012, 27, 231-239.	0.5	10
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10	The HWRF Hurricane Ensemble Data Assimilation System (HEDAS) for High-Resolution Data: The Impact of Airborne Doppler Radar Observations in an OSSE. Monthly Weather Review, 2012, 140, 1843-1862.	0.5	65
11	Uncertainty and Intercalibration Analysis of H*Wind. Journal of Atmospheric and Oceanic Technology, 2012, 29, 822-833.	0.5	28
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13	Surface pressure profiles, vortex structure and initialization for hurricane prediction. Part II: numerical simulations of track, structure and intensity. Meteorology and Atmospheric Physics, 2012, 117, 25-45.	0.9	4
14	Assimilation of radial velocity and reflectivity data from coastal WSRâ€"88D radars using an ensemble Kalman filter for the analysis and forecast of landfalling hurricane <i>Ike</i> (2008). Quarterly Journal of the Royal Meteorological Society, 2013, 139, 467-487.	1.0	58
15	Assimilating AMSU-A Radiances in the TC Core Area with NOAA Operational HWRF (2011) and a Hybrid Data Assimilation System: Danielle (2010). Monthly Weather Review, 2013, 141, 3889-3907.	0.5	29
16	Joint Impact of Forecast Tendency and State Error Biases in Ensemble Kalman Filter Data Assimilation of Inner-Core Tropical Cyclone Observations. Monthly Weather Review, 2013, 141, 2992-3006.	0.5	17
17	Storm-Relative Observations in Tropical Cyclone Data Assimilation with an Ensemble Kalman Filter. Monthly Weather Review, 2013, 141, 506-522.	0.5	21
18	Assimilation of Tâ€"RECâ€"retrieved wind data with WRF 3DVAR for the shortâ€"term forecasting of typhoon Meranti (2010) near landfall. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,361.	1.2	12

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19	Analysis of Hurricane Irene's Wind Field Using the Advanced Research Weather Research and Forecast (WRF-ARW) Model. Journal of Marine Science and Engineering, 2014, 2, 33-45.	1.2	6
20	Impacts of 4DVAR Assimilation of Airborne Doppler Radar Observations on Numerical Simulations of the Genesis of Typhoon Nuri (2008). Journal of Applied Meteorology and Climatology, 2014, 53, 2325-2343.	0.6	13
21	ACCESS-TC: Vortex Specification, 4DVAR Initialization, Verification, and Structure Diagnostics. Monthly Weather Review, 2014, 142, 1265-1289.	0.5	27
22	Impact of local data assimilation on tropical cyclone predictions over the Bay of Bengal using the ARW model. Annales Geophysicae, 2015, 33, 805-828.	0.6	20
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24	An investigation on how inner-core structures obtained through radar data assimilation affect track forecasting of typhoon Jangmi (2008) near Taiwan Island. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,601.	1.2	1
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26	Assimilation of radar radial velocity data with the WRF Hybrid ETKF–3DVAR system for the prediction of Hurricane Ike (2008). Atmospheric Research, 2016, 169, 127-138.	1.8	53
27	The short-term economic impact of tropical Cyclone Pam: an analysis using VIIRS nightlight satellite imagery. International Journal of Remote Sensing, 2017, 38, 5992-6006.	1.3	31
28	GSI-Based, Continuously Cycled, Dual-Resolution Hybrid Ensemble–Variational Data Assimilation System for HWRF: System Description and Experiments with Edouard (2014). Monthly Weather Review, 2017, 145, 4877-4898.	0.5	42
29	Reconstruction of the Precipitation Fields of Intense Historical Tropical Cyclones with the Weather Research and Forecasting (WRF) Model in the Simulation Mode. , 2017, , .		1
30	Decomposing the Macroeconomic Effects of Natural Disasters: A National Income Accounting Perspective. Ecological Economics, 2018, 146, 1-9.	2.9	35
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32	Multi-scale simulation of time-varying wind fields for Hangzhou Jiubao Bridge during Typhoon Chan-hom. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 419-437.	1.7	18
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34	Effect of momentum control variables on assimilating radar observations for the analysis and forecast for Typhoon Chanthu (2010). Atmospheric Research, 2019, 230, 104622.	1.8	27
35	The Impact of Hurricane Strikes on Short-Term Local Economic Activity: Evidence from Nightlight Images in the Dominican Republic. International Journal of Disaster Risk Science, 2019, 10, 362-370.	1.3	14
36	Numerical reconstruction of the intense precipitation and moisture transport fields for six tropical cyclones affecting the eastern United States. Science of the Total Environment, 2019, 665, 1111-1124.	3.9	6

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37	Physically based storm transposition of four Atlantic tropical cyclones. Science of the Total Environment, 2019, 666, 252-273.	3.9	5
38	Investigation of Intense Precipitation from Tropical Cyclones during the 21st Century by Dynamical Downscaling of CCSM4 RCP 4.5. International Journal of Environmental Research and Public Health, 2019, 16, 687.	1.2	1
39	Maximizing Simulated Tropical Cyclone Intensity With Action Minimization. Journal of Advances in Modeling Earth Systems, 2019, 11, 863-891.	1.3	13
40	Improving Hurricane Analyses and Predictions with TCI, IFEX Field Campaign Observations, and CIMSS AMVs Using the Advanced Hybrid Data Assimilation System for HWRF. Part I: What is Missing to Capture the Rapid Intensification of Hurricane Patricia (2015) when HWRF is already Initialized with a More Realistic Analysis?. Monthly Weather Review, 2019, 147, 1351-1373.	0.5	16
41	Impacts of Thinning Aircraft Observations on Data Assimilation and Its Prediction during Typhoon Nida (2016). Atmosphere, 2019, 10, 754.	1.0	3
42	Effect of background error tuning on assimilating radar radial velocity observations for the forecast of hurricane tracks and intensities. Meteorological Applications, 2020, 27, e1820.	0.9	18
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47	Improving Hurricane Analyses and Predictions with TCI, IFEX Field Campaign Observations, and CIMSS AMVs Using the Advanced Hybrid Data Assimilation System for HWRF. Part II: Observation Impacts on the Analysis and Prediction of Patricia (2015). Monthly Weather Review, 2020, 148, 1407-1430.	0.5	13
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51	High-Definition Hurricanes: Improving Forecasts with Storm-Following Nests. Bulletin of the American Meteorological Society, 2022, 103, E680-E703.	1.7	4
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