CURRICULUM VITAE: *Chidong Zhang*

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EDUCATION

1989	Ph.D.	Meteorology, The Pennsylvania State University
1985	M.S.	Meteorology, University of Utah
1982	B.S.	Meteorology, Peking University

PROFESSIONAL OCCUPATION

2023 - present	Oceanographer	NOAA Pacific Marine Environmental Laboratory
2022 - 2023	Acting Director of Engineering Development Division	
	NOAA Pacific Marine Environmental Laboratory	
2022	Acting Deputy Director	NOAA Pacific Marine Environmental Laboratory
2017	Acting Director	NOAA Pacific Marine Environmental Laboratory
2016 - 2022	Supervisory Oceanographer and Director of Ocean Climate Research Division	
	NOAA Pacific Marine Environmental Laboratory	
2016 - present	Affiliate Professor	University of Washington
2004 - 2017	Professor	University of Miami
2000 - 2004	Associate Professor	University of Miami
1997 - 2000	Research Associate Professor	University of Miami
1992 - 1996	Research Assistant Professor	University of Washington
1991 - 1992	Postdoctoral Visitor	University of Washington
1989 - 1991	Research Associate	Pennsylvania State University

AWARD AND HONOR

2025 The Warren Washington Research and Leadership Medal, American Meteorological Society
2022 Gold Medal, US Department of Commerce
2021 Fellow, 125th Anniversary of the College of Earth and Mineral Sciences at Penn State
2020 Fellow, American Geophysical Union
2019 Silver Sherman Award, NOAA
2018 Scientific and Technological Activities Commission Award, American Meteorological Society
2016 Editor's Citation for Excellence in Refereeing, Review of Geophysics
2014 Fellow, American Meteorological Society
2001 Graduate Student Appreciation Award, University of Miami
1999 Editor's Citation for Excellence in Refereeing, Journal of Geophysical Research-Oceans
1991 NOAA Global and Climate Change Postdoctoral Fellowship

PROFESSIONAL ASSOCIATION

2022 - Member, Marine Technology Society
1994 - Member, American Geophysical Union
1989 - Member, American Meteorological Society

FIELD PROGRAM EXPERIENCE

Co-Lead, NOAA Saildrone Voyager Pilot Study, October 2024 – September 2026, Monterrey Bay, Bering and Chukchi Seas
Co-Lead, NOAA Saildrone Hurricane Observations Mission, August – November 2024, Eastern Tropical Atlantic Ocean, Gulf of Mexico

Co-Lead, NOAA Saildrone Hurricane Observations Mission, August – October, 2023, Eastern Tropical Atlantic Ocean, Gulf of Mexico
Co-Lead, NOAA Saildrone Hurricane Observations Mission, August – October, 2022, Eastern Tropical Atlantic Ocean, Gulf of Mexico
Co-Lead, NOAA Saildrone Hurricane Observations Mission, August – October, 2021, Eastern Tropical Atlantic Ocean
Lead, NOAA Saildrone Arctic Observations Mission, June – September, 2019, Bering, Chukchi and Beaufort Seas
Chief Scientist, Dynamics of the Madden-Julian Oscillation (DYNAMO), October 2011 – March 2012, Indian Ocean
Guest Participant, Saharan Air Layer Experiment (SALEX), September 2006, Barbados
Principle Investigator, Eastern Pacific Investigation on Climate (EPIC2001), September 2001, Huatulco, Mexico
Postdoctoral Participant, Tropical Ocean Global Atmosphere (TOGA) Couple Ocean Atmosphere Response Experiment (COARE), December 1992 - February 1993, Honiara, Solomon Islands.

PROFESSIONAL SERVICE

Organizing Committee, The 2nd Workshop on Organisation and Maintenance of Tropical Convection and the Madden Julian Oscillation. Treaste, Italy, 26 – 30 October, 2026
Chair, Organizing Committee of BIRS Workshop on MJO Predictability, May 26 – 30, 2025, Banff, Canada
Scientific Organizing Committee of NCAR ASP Summer Colloquium (2021) and Workshop on Subseasonal to Seasonal (S2S) Science and Prediction (2022)
AMS Fellow Committee, 2021-2023
Executive Committee of the US CLIVAR Science Steering Committee, 2020-2022.
Chair, Science Steering Committee of the US CLIVAR Science Steering Committee, 2022.
AMS Nomination Committee, 2020-2022
Organizing Committee for 2020 NCAR Summer Colloquium on Subseasonal-to-Seasonal Science, 2021
Organizing Committee of the Second International Conference on Tropical Meteorology and Atmospheric Science (ICTMAS), Jakarta, Indonesia, August 2021
Editor, Scientific Online Letters on the Atmosphere (SOLA), 2019 - 2022
Organization Committee for the NOAA Climate Program Office (CPO) Earth System Science and Modeling (ESSM) Division Strategic Planning Workshop, November 2018
Organization Committee for the US Clivar Workshop on Tropical Convection and Air-Sea Interaction, 2018-2019
US TPOS Executive Committee, 2018
Co-Chair, Organizing Committee of AMS Peter Webster Symposium, January 9, 2018
Chair, AMS Award Nomination Committee, 2017
Co-Chair, Science Steering Committee of Years of the Maritime Continent (YMC), 2015 -
Organizing Committee of Workshop on Intraseasonal Processes and Prediction in the Maritime Continent, Singapore, 11-13 April 2016
US Steering Committee of International Indian Ocean Expedition 2 (IIOP-2), 2015-2020
Tropical Pacific Observing System (TPOS) Planetary Boundary Layer Task Team, 2015 - 2019
SPURS-2 Steering Committee, 2015 - 2018
Organizing Committee of the 2nd International Workshop on Years of the Maritime Continent, BMKG, Jakarta, November 24-26, 2015.
AMS Awards Nomination Committee, 2015-2020.
Editorial Advisory Board of Mathematics of Climate and Weather Forecasting, 2015 – 2020
Review Panel for NOAA Earth System Laboratory, Physical Science Division, May 12-14, 2015
Guest Editor, Journal of the Meteorological Society of Japan, 2015 -

Organizing Committee of BIRS workshop on Stochasticity and Organization of Tropical Convection, the Banff Centre, Banff, Alberta, Canada, April 27 - May 1, 2015
Chair, Organizing Committee of the 1st International Workshop on Years of the Maritime Continent, Center for Climate Research Singapore, January 27-30, 2015.
National Academy of Sciences Committee on Developing a U.S. Research Agenda to Advance Subseasonal to Seasonal Forecasting, 2014-2016.
Editor, Journal of Geophysical Research – Atmosphere, 2013 – 2021.
Co-Chair, Symposium on Prediction of the Madden-Julian Oscillation, AMS Annual Meeting, Austin, TX, January 10, 2013.
Council of the American Meteorological Society, 2012 – 2015
Organizing Committee of AMS Michio Yanai Symposium, January 27, 2011
Organizing Committee of 2011 NCAR ASP Summer Colloquium on African Weather and Climate, July 25 – August 5, 2011
ARM MJO Investigation Experiment (AMIE) Science Steering Committee, 2010 - 2013
Chair, Dynamics of the MJO (DYNAMO) Science Steering Committee, 2010 – 2013
Cooperative Indian Ocean Experiment on Intraseasonal Variability in the Year 2011 (CINDY2011) International Science Steering Committee, 2010 – 2013
WWRP/WCRP YOTC MJO Task Force, 2010 – 2012
Review Panel of National Research Council, 2009 - 2011
US CLIVAR MJO Working Group, 2006 – 2009
Chair, Organizing Committee of NCAR/TIIME Summer Retreat on Tropical Convection and Weather Climate Interface, July 2006, Boulder, CO
Associate Editor, Journal of Climate, 2005 – 2019
AMS Committee on Hurricanes and Tropical Meteorology, 2004 – 2007
International CLIVAR's Atlantic Implementation Panel (AIP), 2004 – 2007
International Science Working Group of North American Monsoon Experiment (NAME), 2001 – 2005
Chair, Organizing Committee of MJO-ENSO workshop, 2000, Princeton, NJ
AMS Max Eaton Award committee, 1997

PUBLICATIONS

Zhang, C., 2026: Probabilistic Predictability of the MJO. J. Atmos. Sci. In press.
Hunter H, Zhang C, Zhang D and Horowitz HM (2026) Validation of forecasted surface sensible and latent heat fluxes by GFS and GEFS against saildrone observations in the Arctic. Front. Mar. Sci. 13:1572290. doi: 10.3389/fmars.2026.1572290
Chen, Y., Yu, L. and Zhang, C., 2025. Impacts of atmospheric near-surface stability on the Arctic summer air-sea heat budget using uncrewed surface vehicles. *Journal of Geophysical Research: Oceans*, *130*(7), p.e2024JC022313.
Patterson RG, Cronin MF, Swart S, Beja J, Edholm JM, McKenna J, Palter JB, Parker A, Addey CI, Boone W, Bhuyan P, Buck JJH, Burger EF, Burris J, Camus L, de Young B, du Plessis M, Flanigan M, Foltz GR, Gille ST, Grare L, Hansen JE, Hole LR, Honda MC, Hormann V, Kohlman C, Kosaka N, Kuhn C, Lenain L, Looney L, Marouchos A, McGeorge EK, McMahon CR, Mitarai S, Mordy C, Nagano A, Nicholson S-A, Nickford S, O'Brien KM, Peddie D, Ponsoni L, Ramasco V, Rozenauers N, Siddle E, Stienbarger C, Sutton AJ, Tada N, Thomson J, Ueki I, Yu L, Zhang C and Zhang D (2025) Uncrewed surface vehicles in the Global Ocean Observing System: a new frontier for observing and monitoring at the air-sea interface. Front. Mar. Sci. 12:1523585. doi: 10.3389/fmars.2025.1523585

Jenney, A.M., Houze Jr, R.A., LeMone, M., Thompson, E.J., Núñez Ocasio, K.M., Zhang, C. and Nathan, T.R., 2025. Celebrating 50 years since GATE. *Bulletin of the American Meteorological Society*, *106*(4), pp.E576-E595.

Dasgupta, P., Roxy, M. K., Nam, S., Prajeesh, A. G., Saranya, J. S., Zhang, C., et al. (2024). Madden Julian Oscillation moves faster as the meridional moisture gradient intensifies in a warming world. Geophysical Research Letters, 51, e2024GL110461.

Chen, G., Ling, J., Xiao, Z., Li, C., & Zhang, C. (2024). Influence of SST- precipitation relationship over the equatorial western Pacific on simulation of the Madden-Julian Oscillation. Geophysical Research Letters, 51, e2024GL110485.

Sivam, S., Zhang, C., Zhang, D., Yu, L. and Dressel, I., 2024: Surface Latent and Sensible Heat Flux over the Pacific Sub-Arctic Ocean from Saildrone Observations and Three Global Reanalysis Products. *Frontiers in Marine Science*, *11*, p.1431718.

Chiodi, A. M., H. Hristova, G. R. Foltz, J. A. Zhang, C. W. Mordy, C. R. Edwards, C. Zhang, C. Meinig, D. Zhang, E. Mazza, E. D. Cokelet, E. F. Burger, F. Bringas, G. Goni, H.-S. Kim, S. Chen, J. Trinanes, K. Bailey, K. M. O'Brien, M. Morales-Caez, N. Lawrence-Slavas, S. S. Chen, and X. Chen, 2024: Surface ocean warming in the core of Hurricane Sam and its representation in forecast models. Frontiers in Marine Science, 10, 1297974, doi:10.3389/fmars.2023.1297974.

Yu, L., Y. Chen, A. O. Gonzalez, C. Zhang, and G. R. Foltz, 2023: Dry air outbreak and significant surface turbulent heat loss during Hurricane Ian: satellite and saildrone observations. Geophys. Res. Lett., 50, e2023GL105583, doi:10.1029/2023GL105583.

Abhik, S., Zhang, C., & Hendon, H. H. (2023). The Indo-Pacific Maritime Continent barrier effect on MJO ensemble prediction. Geophysical Research Letters, 50, e2023GL105462.

Chi, N.-H., D. Zhang, C. Zhang, 2022: Validation of OSCAR Surface Currents in the Western Arctic Marginal Seas against Saildrone Observations. JGR-Ocean, accepted.

Zhang, D., A. Chiodi, C. Zhang, G. R. Foltz, M. Cronin, C. W. Mordy, J. Cross, E. Cokelet, J. Zhang, C. Meinig, N. Lawrence-Slavas, P. Stabeno, and R. Jenkins, 2023: Observing extreme ocean and weather events using innovative saildrone uncrewed surface vehicles, Oceanography, 36, 70-77, doi:10.5670/oceanog.2023.214.

Zhang, C., G.R. Foltz, A. Chiodi, C. Mordy, C. Edwards, C. Meinig, D. Zhang, E. Mazza, E. Cokelet, E. Burger, F. Bringas, G. Goni, H. Hristova, H.-S. Kim, J. Trinanes, J. A. Zhang, K. Bailey, K. O'Brien, M. Morales-Caez, N. Lawrence-Slavas, R. Jenkins, S. Chen, X. Chen, 2023: Hurricane Observations by Uncrewed Systems. *Bulletin of the American Meteorological Society.* Accepted.

Abhik, S., H. H. Hendon, C. Zhang, 2023: The Indo-Pacific Maritime Continent Barrier Effect on MJO Prediction. J. Climate, 36(3), 945–957

Serra, Y.L., S. A. Rutledge, K. Chudler, C. Zhang, 2023: Rainfall and Convection in ERA5 and MERRA-2 over the Northern Equatorial Western Pacific During PISTON. J. Climate, 36(3), 845–863.

Zhang, C. and Moore, J.A., 2023. A Road Map to Success of International Field Campaigns in Atmospheric and Oceanic Sciences. *Bulletin of the American Meteorological Society*, *104*(1), pp.E257-E290.

Zhang, C., J.M. Wallace, R.A. Houze, E.J. Zipser, K.A. Emanuel, 2022: Relocation of GATE from the Pacific to the Atlantic. *Bulletin of the American Meteorological Society*. *103*(8), pp.E1991-E1999.

Zhang, C., A.F. Levine, M. Wang, C. Gentemann, C.W. Mordy, E.D. Cokelet, P.A. Browne, Q.Yang, N. Lawrence-Slavas, C. Meinig, G. Smith, A. Chiodi, D. Zhang, P. Stabeno, W. Wang, H. Ren, K.A. Peterson, S. N. Figueroa, M.Steele, N.P. Barton, A. Huang, H.-C. Shin, 2022: Evaluation of Surface Conditions from Operational Forecasts Using in situ Saildrone Observations in the Pacific Arctic. Mon. Wea. Rev., 150, 1437-1455. DOI:https://doi.org/10.1175/MWR-D-20-0379.1

Hagos, S., Leung, L. R., Zhang, C., & Balaguru, K. (2022). An observationally trained Markov model for MJO propagation. Geophysical Research Letters, 49, e2021GL095663. https://doi.org/10.1029/2021GL095663

Travis N. Miles , Dongxiao Zhang, Gregory R. Foltz, Jun A. Zhang, Christian Meinig, Francis Bringas, Joaquin Triñanes, Matthieu Le Hénaff, Maria F. Aristizabal Vargas, Sam Coakley, Catherine R. Edwards, Donglai Gong, Robert E. Todd, Matthew J. Oliver, W. Douglas Wilson, Kerri Whilden, Barbara Kirkpatrick, Patricia Chardon-Maldonado, Julio M. Morell, Debra Hernandez, Gerhard Kuska, Cheyenne D. Stienbarger, Kathleen Bailey, Chidong Zhang, Scott M. Glenn, Gustavo J. Goni, 2022: Uncrewed Ocean Gliders and Saildrones Support Hurricane Forecasting and Research. Oceanography, 34, 78-81.

Martin, Z., S.W. Son, A.B., H. Hendon, H.Kim, A. Sobel, S. Yoden, and C. Zhang, 2021: The influence of the quasi- biennial oscillation on the Madden–Julian oscillation. *Nature Reviews Earth & Environment*, https://doi.org/10.1038/s43017-021-00173-9

Stevens et al. 2021: Stevens et al. 2021: EUREC4A, Earth Syst. Sci. Data, 13, 4067–4119, https://doi.org/10.5194/essd-13-4067-2021.

Quinn, P. K., Thompson, E. J., Coffman, D. J., Baidar, S., Bariteau, L., Bates, T. S., Bigorre, S., Brewer, A., de Boer, G., de Szoeke, S. P., Drushka, K., Foltz, G. R., Intrieri, J., Iyer, S., Fairall, C. W., Gaston, C. J., Jansen, F., Johnson, J. E., Krüger, O. O., Marchbanks, R. D., Moran, K. P., Noone, D., Pezoa, S., Pincus, R., Plueddemann, A. J., Pöhlker, M. L., Pöschl, U., Quinones Melendez, E., Royer, H. M., Szczodrak, M., Thomson, J., Upchurch, L. M., Zhang, C., Zhang, D., and Zuidema, P.: Measurements from the RV *Ronald H. Brown* and related platforms as part of the Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC), Earth Syst. Sci. Data, 13, 1759–1790, https://doi.org/10.5194/essd-13-1759-2021, 2021.

Chiodi, A.M., C. Zhang, E. D. Cokelet, Q. Yang, C. W. Mordy, C. Gentemann, J. Cross, N. Lawrence-Slavas, C. Meinig, M. Steele, D.E. Harrison, P. Stabeno, H. Tabisola, D. Zhang, E. Burger, K. O'Brien, M. Wang, 2021: Exploring the Pacific Arctic Seasonal Ice Zone with Saildrone USVs. Front. Mar. Sci. 8:640690. doi: 10.3389/fmars.2021.640697

Asharaf, S., D.E. Waliser, D.J. Posselt, C.S. Ruf, C. Zhang, A.W. Putra, 2021: CYGNSS Ocean Surface Wind Validation in the Tropics. *J. Atmos. Oceanic Technol*., **38**, 711-724, https://doi.org/10.1175/JTECH-D-20-0079.1

Kim, J.E. and Zhang, C., 2021. Core Dynamics of the MJO. *Journal of the Atmospheric Sciences*, *78*(1), pp.229-248.

Yoneyama, K., and C. Zhang (2020): Years of the Maritime Continent (YMC): A multi-year field campaign in the largest archipelago on earth. Chapter 31 in *The Multi-Scale Global Monsoon System*, C.-P. Chang (ed.), World Scientific Publishing Company. 399 - 406.

Yang, D., A. Adame, C. Zhang, B. Wang, and B. Khouider (2020): A Review of MJO Theories. Chapter 19 in *The Multi-Scale Global Monsoon System*, C.-P. Chang (ed.), World Scientific Publishing Company. Accepted.

Kim, D., E. Maloney, and C. Zhang (2020): MJO propagation OVER the Maritime Continent. Chapter 21 in *The Multi-Scale Global Monsoon System*, C.-P. Chang (ed.), World Scientific Publishing Company. Accepted.

Zhang, C., Á. F. Adames, B. Khouider, B. Wang, D. Yang, 2020: Four Theories of the MaddenJulian Oscillation. Rev. Gephys. p.e2019RG000685..

Jiang, X., Á.F. Adames, D. Kim, E. D. Maloney, H. Lin, H. Kim, C. Zhang, C. A. DeMott, and N. P. Klingaman, 2020: Fifty Years of Research on the Madden-Julian Oscillation: Recent Progress, Challenges, and Perspectives. *Journal of Geophysical Research: Atmospheres*, e2019JD030911

Zhang, C., Á. F. Adames, B. Khouider, B. Wang, D. Yang, 2020: Four Theories of the Madden-Julian Oscillation. Rev. Gephys. p.e2019RG000685..

Yoneyama, K., & Zhang, C. (2020). Years of the Maritime Continent. Geophysical Research Letters, 47, e2020GL087182. https://doi.org/

Wei, Y., Pu, Z. and Zhang, C., 2020: Diurnal Cycle of Precipitation over the Maritime Continent under Modulation of MJO: Perspectives from Cloud-Permitting Scale Simulations. *Journal of Geophysical Research: Atmospheres*, p.e2020JD032529.

Chen, G., Ling, J., Li, C., Zhang, Y. and Zhang, C., 2020: Barrier Effect of the Indo-Pacific Maritime Continent on MJO Propagation in Observations and CMIP5 Models. *Journal of Climate*, 33, 5173-5193. https://doi.org/10.1175/JCLI-D-19-0771.1

Hagos, S., Foltz, G.R., Zhang, C., Thompson, E., Seo, H., Chen, S., Capotondi, A., Reed, K.A., DeMott, C. and Protat, A., 2020. Atmospheric Convection and Air-Sea Interactions over the Tropical Oceans: Scientific Progress, Challenges and Opportunities. *Bulletin of the American Meteorological Society*, *101*(3), pp.E253-E258

Roxy, M. K., P. Dasgupta, M.J. McPhaden, T. Suematsu, C. Zhang, and D. Kim, 2019: Twofold expansion of the Indo-Pacific warm pool warps the MJO life cycle, *Nature*, *575*(7784), pp.647-651.

Subramanian, A.C. M.A. Balmaseda, R. Chattopadhyay, L. Centurioni, B.D. Cornuelle, C. DeMott, T.M, Hamill, H.Hendon, I.Hoteit, M.Flatau, Y.Fujii, S.T. Gille, A.Kumar, J.-H. Lee, A.J. Lucas, M. Matsueda, A. Mahadevan, S.H. Nam, S. Paturi, S.G. Penny, A.Rydbeck, R. Sun, A. Tandon, Y. Takaya, R.E. Todd, F. Vitart, D.Yuan, C. Zhang, 2019: Ocean observations to improve our understanding, modeling, and forecasting of subseasonal-to-seasonal variability. Front. Mar. Sci. 6:427.

Meinig, C., E.F. Burger, N. Cohen, E.D. Cokelet, M.F. Cronin, J.N. Cross, S. De Halleux, R. Jenkins, A.T. Jessup, C.W. Mordy, N. Lawrence-Slavas, A. J. Sutton, D. Zhang, C. Zhang, 2019: Public Private Partnerships to Advance Regional Ocean Observing Capabilities: A Saildrone and NOAA-PMEL Case Study and Future Considerations to Expand to Global Scale Observing. Front. Mar. Sci. 6:448.

Hagos, S., Zhang, C., Leung, L.R., Burleyson, C.D. and Balaguru, K., 2019. A Zonal Migration of Monsoon Moisture Flux Convergence and the Strength of Madden-Julian Oscillation Events. *Geophysical Research Letters*, *46*(14), pp.8554-8562.

Zelinsky, R.C., C. Zhang, and C. Liu, 2019: The Relationship Between the ITCZ and MJO Initiation over the Indian Ocean. J. Atmos. Sci., 76, 2275-2294.

Li, T., Wang, L., Peng, M., Wang, B., Zhang, C., Lau, W. and Kuo, H.C., 2018. A paper on the tropical intraseasonal oscillation published in 1963 in a Chinese journal. *Bulletin of the American Meteorological Society*, *99*(9), pp.1765-1779.

Ling, J., C. Zhang, R. Joyce, P.-P. Xie, and G. Chen, 2019: Possible Role of the Diurnal Cycle in Land Convection in the Barrier Effect on the MJO by the Maritime Continent. Geophys. Res. Lttr., 46, 3001–3011

Kim, J.-E., C. Zhang, G.N. Kiladis, P. Bechtold, 2018: Heating and Moistening of the MJO during DYNAMO in ECMWF Reforecasts, *J. Atmos. Sci*., *75*(5), pp.1429-1452.

Zhang, C. and Zhang, B., 2018. QBO-MJO Connection. *Journal of Geophysical Research: Atmospheres*, *123*(6), pp.2957-2967.

Li, X., M.A. Janiga, S. Wang, W.-K. Tao, A. Rowe, W. Xu, C. Liu, T. Matsui, and C. Zhang, 2018: Evolution of precipitation structure during November DYNAMO MJO event: Cloud-resolving model intercomparison and cross-validation using radar observations. *J. Geophys. Res., 123* (7), 3530–3555.

Wang, B., S.-S. Lee, D.E. Waliser, C. Zhang, A. Sobel, E. Maloney, T. Li, X. Jiang, and K.-J. Ha., 2018: Dynamics-oriented diagnostics for the Madden-Julian Oscillation. *J. Climate, 31* (8), 3117–3135.

Williams, P.D., M.J. Alexander, E.A. Barnes, A.H. Butler, H.C. Davies, C.I. Garfinkel, Y. Kushnir, T.P. Lane, J.K. Lundquist, R.N. Maue, W.R. Peltier, O. Romppainen–Martius, K. Sato, A.A. Scaife, C. Zhang, 2017: A census of 1 atmospheric variability from seconds to decades. *Geophys. Res. Lett*., 44. https://doi.org/10.1002/2017GL075483

Ling, J., C. Zhang, S. Wang, and C. Li, 2017: A New Interpretation of the Ability of Global Models to Simulate the MJO. Lttr. Geophys. Res. 44, doi:10.1002/ 2017GL073891.

Zhang, C. and J. Ling, 2017: Barrier Effect of the Indo-Pacific Maritime Continent on the MJO: Perspectives from Tracking MJO Precipitation. J. Climate, 30, 3439-3459.

Zhang, C. and Yoneyama, K., 2017. CINDY/DYNAMO field campaign: Advancing our understanding of MJO initiation. In *The Global Monsoon System: Research and Forecast* (pp. 339-348).

Ling, J., C. Li, T. Li, X. Jia, B. Khouider, E. Maloney, F. Vitart, Z. Xiao, and C. Zhang, 2017: Challenges and Opportunities in MJO Studies. BAMS, BAMS (2016)

Hagos, S.M., C. Zhang, C. D. Burleyson, Z. Feng, J. Benedict, C. De Mott, M. Martini, 2016: The impact of diurnal cycle on the propagation of MJO convection across the Maritime Continent. JAMES, 08, doi:10.1002/2016MS000725

Zhang, C., 2016: MJO and Extreme Weather/Climate Events, in *Dynamics and Predictability of Global and Regional High-Impact Weather and Climate Events*. J. Li, R. Swinbank, H. Volkert, and R. Grotjahn, Eds, Cambridge University Press, 2, p.294

Pilon, R., C. Zhang, and J. Dudhia, 2016: Roles of Deep and Shallow Convection and Microphysics in the MJO Simulated by the Model for Prediction Across Scales (MPAS). J. Geophys. Res. Atmos., 121(18).

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Janiga, M.A. and C. Zhang, 2016: MJO Moisture Budget during DYNAMO in a Cloud-Permitting Model. J. Atmos. Sci., 73, 2257-2278.

Liu, P., Q. Zhang, C. Zhang, Y, Zhu, M. Khairoutdinov, H.-M. Kim, C. Schumacher, M. Zhang, 2015: A Revised Real-Time Multivariate MJO Index. Mon. Wea. Rev., 144, 627-642. Zermeno, D., C. Zhang, P. Kollias, and H. Kalesse, 2015: Shallow Cloud Moistening in MJO and non-MJO Large-Scale Convective Events over the ARM Manus Site. JAS, 72, 4797–4820.

Zermeno, D., C. Zhang, P. Kollias, and H. Kalesse, 2015: Shallow Cloud Moistening in MJO and non-MJO Large-Scale Convective Events over the ARM Manus Site. JAS, 72, 4797–4820.

Chandra, A., C. Zhang, H.-Y. Ma, and S.A. Klein, 2015: Low cloud statistics over Tropical Western Pacific in ARM observations and CAM5 simulations. J. Geophys. Res. Atmos., 120, doi:10.1002/ 2015JD023369.

Chandra, A., Zhang, C., Kollias, P., Matrosov, S., and Szyrmer, W., 2015: Automated rain rate estimates using the Ka-band ARM zenith radar (KAZR), Atmos. Meas. Tech., 8, 3685-3699, doi:10.5194/amt-8-3685-2015.

Ulate, M., C. Zhang, and J. Dudhia, 2015: Role of water vapor and convection-circulation decoupling in MJO simulations by a tropical channel model, J. Adv. Model. Earth Syst., 07, doi:10.1002/2014MS000393.

Ulate, M., J. Dudhia, and C. Zhang, 2014: Sensitivity of the water cycle over the Indian Ocean and Maritime Continent to parameterized physics in a regional model, J. Adv. Model. Earth Syst., 06, doi:10.1002/2014MS000313.

Deng, M., P. Kollias, Z. Feng, C. Zhang, C. Long, H. Kalesse, A. Chandra, V. V. Kumar, P.A. Protat, 2014: Stratiform and Convective Precipitation Observed by Multi-Wavelength Radars during the DYNAMO/AMIE Experiment. *J. Appl. Meteor. Climatol.*, **53**, 2503–2523.

Kim, D., P. Xavier, E. Maloney, M. Wheeler, D. Waliser, K. Sperber, H. Hendon, C. Zhang, R. Neale, Y.-T. Hwang, H. Liu, 2014: Process-oriented MJO Simulation Diagnostic: Moisture Sensitivity of Simulated Convection. J. Clim., 27, 5379-5395.

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