

## Publications

- Bengtsson, L., and Coauthors, 2019: Convectively Coupled Equatorial Wave Simulations Using the ECMWF IFS and the NOAA GFS Cumulus Convection Schemes in the NOAA GFS Model. *Mon. Wea. Rev.*, 147, 4005-4025, <https://doi.org/10.1175/MWR-D-19-0195.1>.
- Gehne, M., T. M. Hamill, G. T. Bates, P. Pegion, and W. Kolczynski, 2019: Land Surface Parameter and State Perturbations in the Global Ensemble Forecast System. *Mon. Wea. Rev.*, 147, 1319-1340, <https://doi.org/10.1175/MWR-D-18-0057.1>.
- Dias, J., M. Gehne, G. N. Kiladis, N. Sakaeda, P. Bechtold, and T. Haiden, 2018: Equatorial Waves and the Skill of NCEP and ECMWF Numerical Weather Prediction Systems. *Mon. Wea. Rev.*, 146, 1763-1784, <https://doi.org/10.1175/MWR-D-17-0362.1>.
- Dole, R. M., and Coauthors, 2018: Advancing Science and Services during the 2015/16 El Nio: The NOAA El Nio Rapid Response Field Campaign. *Bull. Amer. Meteor. Soc.*, 99, 975-1001, <https://doi.org/10.1175/BAMS-D-16-0219.1>.
- Kevin E. Trenberth, Yongxin Zhang, and Maria Gehne, (2017): Intermittency in Precipitation: Duration, Frequency, Intensity, and Amounts Using Hourly Data. *J. Hydrometeor.*, Volume 18, pp. 1393-1412. DOI: <https://doi.org/10.1175/JHM-D-16-0263.1>
- Maria Gehne, Thomas M. Hamill, George N. Kiladis, and Kevin E. Trenberth (2016): Comparison of Global Precipitation Estimates across a Range of Temporal and Spatial Scales. *Journal of Climate*, Volume 29, Issue 21, pp. 7773-7795. DOI: <https://doi.org/10.1175/JCLI-D-15-0618.1>
- George N. Kiladis, Juliana Dias, and Maria Gehne (2016): The Relationship between Mixed Rossby-Gravity and Eastward Inertio-Gravity Waves. Part I. *Journal of the Atmospheric Sciences*, Volume 73, pp. 2123-2145, <https://doi.org/10.1175/JAS-D-15-0230.1>
- Maria Gehne, Richard Kleeman and Kevin E. Trenberth (2014): Irregularity and decadal variation in ENSO: A simplified model based on Principal Oscillation Patterns. *Climate Dynamics* DOI: 10.1007/s00382-014-2108-6
- Juliana Dias, Pedro L. Silva Dias, George N. Kiladis, Maria Gehne (2013): Modulation of shallow water equatorial waves due to a varying equivalent height background. *Journal of the Atmospheric Sciences*, Volume 70, pp. 2726-2750. DOI: <http://dx.doi.org/10.1175/JAS-D-13-04.1>
- Maria Gehne and Richard Kleeman, (2012): Spectral analysis of tropical atmospheric dynamical variables using a linear shallow water modal decomposition. *Journal of the Atmospheric Sciences*, Volume 69, Issue 7, pp. 2300-2316. DOI: <http://dx.doi.org/10.1175/JAS-D-10-05008.1>