

Refereed Publications

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In Review

Chen, X., J. Dias, B. Wolding, R. Pincus, C. DeMott, G. Wick, E. J. Thompson, C. W. Fairall:
Trade Cumulus Cloudiness Increased over Weak Sea Surface Temperature Warm
Anomalies in the ATOMIC Region.

Bytheway, J. L., E. J. Thompson, J. Yang, H. Chen, submitted: Evaluation of Downscaled
IMERG Precipitation over Global Oceans using PALs. *J. Hydromet.*, submitted.

Chi, N. E. J. Thompson, H. Chen, A. Shcherbina, F. Bingham, L. Rainville, submitted:
Spatiotemporal variability of rainfall and surface salinity in the Eastern Pacific Fresh Pool:
A joint in-situ and satellite analysis during the SPURS-2 field campaign. *Journal of
Geophysical Research: Oceans*, submitted

Chen, H. C.W. Fairall, C. R. Williams, E. J. Thompson, submitted: Vertical air motion retrievals
from airborne W-band cloud radar, *IEEE Geoscience and Remote Sensing Letters*,
submitted.

Accepted

Li, Z., H. Chen, E. J. Thompson, 2023: The uncertainty of IMERG over the Eastern Pacific Fresh
Pool: An error model based on SPURS-2 field campaign observations, *IEEE Transactions
on Geoscience and Remote Sensing*, in press.

Davis, J., J. Thomson, I. A. Houghton, J. D. Doyle, W. Komaromi, C. W. Fairall, E. J.
Thompson, 2023: Saturation of ocean surface wave slopes observed during hurricanes.
Geophys. Res. Letters, in press.

Li, Z., Thompson, E. J., Behrangi, A., Chen, H., & Yang, J. (2023). Performance of GPCP daily
products over oceans: Evaluation using Passive Aquatic Listeners. *Geophysical Research
Letters*, 50, e2023GL104310. <https://doi.org/10.1029/2023GL104310>

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- Bytheway, J. L., Thompson, E. J., Yang, J., & Chen, H. (2023). Evaluating satellite precipitation estimates over oceans using passive aquatic listeners. *Geophysical Research Letters*, 50, e2022GL102087. <https://doi.org/10.1029/2022GL102087>
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- Reid, J. S., and many coauthors including E. J. Thompson, 2023: The coupling between tropical meteorology, aerosol lifecycle, convection, and radiation, during the Cloud, Aerosol and Monsoon Processes Philippines Experiment (CAMP2Ex). *Bull. Amer. Meteor. Soc.*, <https://doi.org/10.1175/BAMS-D-21-0285.1>
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- Yao, S., H. Chen, E. J. Thompson and R. Cifelli, 2022: An improved deep learning model for high-impact weather nowcasting. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, <https://doi.org/10.1109/JSTARS.2022.3203398>
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