
Leslie M. Hartten

CIRES Research Scientist II
at the
NOAA Earth System Research Laboratory, Physical Sciences Division

E-Mail: Leslie.M.Hartten@noaa.gov
ORCID: 0000-0002-5620-6302 **Researcher ID:** F-1970-2010

Published Articles and Data Sets

Journal articles submitted for peer review

- (none at present)

Peer reviewed journal articles

- Hartten, L. M., P. E. Johnston, V. M. Rodríguez Castro, and P. S. Esteban Pérez, 2019: Post-deployment calibration of a tropical UHF profiling radar via surface- and satellite-based methods. *J. Atmos. Oceanic Technol.*, **36**, 1729–1751, <https://doi.org/10.1175/JTECH-D-18-0020.1>.
- Hartten, L. M., C. J. Cox, P. E. Johnston, D. E. Wolfe, S. Abbott, H. A. McColl, X.-W. Quan, and M. G. Winterkorn, 2018: Ship- and island-based soundings from the 2016 El Niño Rapid Response (ENRR) field campaign. *Earth Syst. Sci. Data*, **10**, 1165–1183, <https://doi.org/10.5194/essd-10-1165-2018>.
- Hartten, L. M., C. J. Cox, P. E. Johnston, D. E. Wolfe, S. Abbott, and H. A. McColl, 2018: Central-Pacific surface meteorology from the 2016 El Niño Rapid Response (ENRR) field campaign. *Earth Syst. Sci. Data*, **10**, 1139–1164, <https://doi.org/10.5194/essd-10-1139-2018>.
- Dole, R. M., J. R. Spackman, M. Newman, G. P. Compo, C. A. Smith, L. M. Hartten, and 54 Coauthors, 2018: Advancing Science and Services during the 2015–16 El Niño: The El Niño Rapid Response Field Campaign. *Bull. Amer. Meteor. Soc.*, **99**, 975–1001, <https://doi.org/10.1175/BAMS-D-16-0219.1>.
- Hartten, L. M. and P. E. Johnston, 2014: Stratocumulus-topped marine boundary layer processes revealed by the absence of profiler reflectivity. *J. Appl. Meteor. Climatol.* (ISARS Special Issue), **53**, 1775–1789, <https://doi.org/10.1175/JAMC-D-12-0308.1>.
- Hartten, L. M. and M. A. LeMone, 2014: How representative are AMS demographic surveys?. *Bull. Amer. Meteor. Soc.*, **95**, 775–779, <https://doi.org/10.1175/BAMS-D-13-00058.1>.
- Penland, C., and L. M. Hartten, 2014: Stochastic forcing of north tropical Atlantic sea surface temperatures by the North Atlantic Oscillation. *Geophys. Res. Lett.*, **41**, 2126–2132, <https://doi.org/10.1002/2014GL059252>.

- Riddle, A. C., L. M. Hartten, D. A. Carter, P. E. Johnston, and C. R. Williams, 2012: A minimum threshold for wind profiler signal-to-noise ratios. *J. Atmos. Oceanic Technol.*, **29**, 889-895, <https://doi.org/10.1175/JTECH-D-11-00173.1>.
- Hartten, L. M. and M. A. LeMone, 2010: AMS membership survey results: The evolution and current state of the atmospheric sciences "pipeline". *Bull. Amer. Meteor. Soc.*, **91**, 942-956, <https://doi.org/10.1175/2010BAMS2537.1>.
- Zuidema, P., C. Fairall, L. M. Hartten, J. E. Hare, and D. E. Wolfe, 2006: On air-sea interaction at the mouth of the Gulf of California. *J. Climate*, **20**, 1649-1661, <https://doi.org/10.1175/JCLI4089.1>.
- Adachi, A., T. Kobayashi, K. S. Gage, D. A. Carter, L. M. Hartten, W. L. Clark, and M. Fukuda, 2005: Evaluation of 3-beam and 4-beam profiler wind measurement techniques using a 5-beam wind profiler and collocated meteorological tower. *J. Atmos. Oceanic Technol.*, **22**, 1167-1180, <https://doi.org/10.1175/JTECH1777.1>.
- Adachi, A., W. L. Clark, L. M. Hartten, K. S. Gage, and T. Kobayashi, 2004: An observational study of a shallow gravity current triggered by katabatic flow. *Ann. Geophys.*, **22**, 3937-3950, <https://doi.org/10.5194/angeo-22-3937-2004>.
- Hartten, L. M. and P. A. Datulayta, 2004: Seasonal and interannual variations in the daily cycle of winds over the Galápagos. *J. Climate*, **17**, 4522-4530, <https://doi.org/10.1175/3217.1>.
- Johnston, P. E., L. M. Hartten, C. H. Love, D. A. Carter, and K. S. Gage, 2002: Range errors in wind profiling caused by strong reflectivity gradients. *J. Atmos. Oceanic Technol.*, **19**, 934-953, [https://doi.org/10.1175/1520-0426\(2002\)019%3C0934:REIWPC%3E2.0.CO;2](https://doi.org/10.1175/1520-0426(2002)019%3C0934:REIWPC%3E2.0.CO;2).
- Hartten, L. M. and K. S. Gage, 2000: ENSO's impact on the annual cycle: The view from Galápagos. *Geophys. Res. Lett.*, **27**, 385-388, <https://doi.org/10.1029/1999GL010953>.
- Angevine, W. M., A. W. Grimsdell, L. M. Hartten, and A. C. Delany, 1998: The Flatland Boundary Layer Experiments. *Bull. Amer. Meteor. Soc.*, **78**, 419-431, [https://doi.org/10.1175/1520-0477\(1998\)079%3C0419:TFBLE%3E2.0.CO;2](https://doi.org/10.1175/1520-0477(1998)079%3C0419:TFBLE%3E2.0.CO;2).
- Hartten, L. M., 1998: Reconciliation of surface and profiler winds at ISS sites. *J. Atmos. Oceanic Technol.*, **15**, 826-834, [https://doi.org/10.1175/1520-0426\(1998\)015%3C0826:ROSAPW%3E2.0.CO;2](https://doi.org/10.1175/1520-0426(1998)015%3C0826:ROSAPW%3E2.0.CO;2).
- Hartten, L. M. and D. S. Gutzler, 1998: Estimates of large-scale divergence over the western equatorial Pacific. *J. Geophys. Res.*, **103**, 25,895-25,904, <https://doi.org/10.1029/98JD02171>.
- Ciesielski, P. E., L. M. Hartten, and R. H. Johnson, 1997: Impacts of merging profiler and rawinsonde winds on TOGA COARE analyses. *J. Atmos. Oceanic Technol.*, **14**, 1264-1279, [https://doi.org/10.1175/1520-0426\(1997\)014%3C1264:IOMPAR%3E2.0.CO;2](https://doi.org/10.1175/1520-0426(1997)014%3C1264:IOMPAR%3E2.0.CO;2).
- Hartten, L. M., 1996: Synoptic settings of westerly wind bursts. *J. Geophys. Res.*, **101**, 16,997-17,019, <https://doi.org/10.1029/96JD00030>.
- Gutzler, D. S. and L. M. Hartten, 1995: Daily variability of lower tropospheric winds over the

tropical western Pacific. *J. Geophys. Res.*, **100**, 22,999-23,008, <https://doi.org/10.1029/95JD01879>.

- Hechtel, L. M., C.-H. Moeng, and R. B. Stull, 1990: The effects of nonhomogeneous surface fluxes on the convective boundary layer: A case study using large-eddy simulation. *J. Atmos. Sci.*, **47**, 1722-1741, [https://doi.org/10.1175/1520-0469\(1990\)047%3C1721:TEONSF%3E2.0.CO;2](https://doi.org/10.1175/1520-0469(1990)047%3C1721:TEONSF%3E2.0.CO;2).

Published data sets

- Cox, C., and L. Hartten, 2017: El Niño Rapid Response (ENRR) Field Campaign: Surface Flux Data from the NOAA Ship Ronald H. Brown, 2016-02 to 2016-03 (NCEI Accession 0167875). NOAA/National Centers for Environmental Information, <https://doi.org/10.7289/V58050VP>.
- Cox, C., D. Wolfe, L. Hartten, and P. Johnston, 2017: El Niño Rapid Response (ENRR) Field Campaign: Radiosonde Data (Level 2) from the NOAA Ship Ronald H. Brown, February-March 2016 (NCEI Accession 0161527), Version 1.1. NOAA/National Centers for Environmental Information, <https://doi.org/10.7289/V5X63K15>.
- Cox, C., D. Wolfe, L. Hartten, and P. Johnston, 2017: El Niño Rapid Response (ENRR) Field Campaign: Surface Meteorological and Ship Data from the NOAA Ship Ronald H. Brown, February-March 2016 (NCEI Accession 0161528), Version 1.1. NOAA/National Centers for Environmental Information, <https://doi.org/10.7289/V5SF2T80>.
- Hartten, L., P. Johnston, C. Cox, and D. Wolfe, 2017: El Niño Rapid Response (ENRR) Field Campaign: Radiosonde Data (Level 2) from Kiritimati Island, January-March 2016 (NCEI Accession 0161525), Version 1.1. NOAA/National Centers for Environmental Information, <https://doi.org/10.7289/V55Q4T5K>.
- Hartten, L., P. Johnston, C. Cox, and D. Wolfe, 2017: El Niño Rapid Response (ENRR) Field Campaign: Surface Meteorological Data from Kiritimati Island, January-March 2016 (NCEI Accession 0161526), Version 1.1. NOAA/National Centers for Environmental Information, <https://doi.org/10.7289/V51Z42H4>.

Last updated on 16 October 2019.