

International Comprehensive Ocean-Atmosphere Data Set (ICOADS)Citation and Redistribution Information
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R3.0-citation

To acknowledge ICOADS in published research, please consider citing one or more of our following recent publications (a more complete list is available at: <http://icoads.noaa.gov/publications.html>):

- Freeman, E., S.D. Woodruff, S.J. Worley, S.J. Lubker, E.C. Kent, W.E. Angel, D.I. Berry, P. Brohan, R. Eastman, L. Gates, W. Gloeden, Z. Ji, J. Lawrimore, N.A. Rayner, G. Rosenhagen, and S.R. Smith, 2016: ICOADS Release 3.0: A major update to the historical marine climate record. *Int. J. Climatol.* ([doi:10.1002/joc.4775](https://doi.org/10.1002/joc.4775)).
- Woodruff, S.D., S.J. Worley, S.J. Lubker, Z. Ji, J.E. Freeman, D.I. Berry, P. Brohan, E.C. Kent, R.W. Reynolds, S.R. Smith, and C. Wilkinson, 2011: ICOADS Release 2.5: Extensions and enhancements to the surface marine meteorological archive. *Int. J. Climatol.*, **31**, 951-967 ([doi:10.1002/joc.2103](https://doi.org/10.1002/joc.2103)).
- Worley, S.J., S.D. Woodruff, R.W. Reynolds, S.J. Lubker, and N. Lott, 2005: ICOADS Release 2.1 data and products. *Int. J. Climatol.*, **25**, 823-842 ([doi:10.1002/joc.1166](https://doi.org/10.1002/joc.1166)).
- Woodruff, S.D., H.F. Diaz, S.J. Worley, R.W. Reynolds, and S.J. Lubker, 2005: Early ship observational data and ICOADS. *Climatic Change*, **73**, 169-194 ([doi:10.1007/s10584-005-3456-3](https://doi.org/10.1007/s10584-005-3456-3)).

In addition, a reference for the ICOADS observational format is:

Smith S.R., E. Freeman, S.J. Lubker, S.D. Woodruff, S.J. Worley, W.E. Angel, D.I. Berry, P. Brohan P, Z. Ji, E.C. Kent, et al., 2016: The International Maritime Meteorological Archive (IMMA) Format [<http://icoads.noaa.gov/e-doc/imma/R3.0-imma1.pdf>] or an abbreviated version is available at: http://icoads.noaa.gov/e-doc/imma/R3.0-imma1_short.pdf].

ICOADS (and earlier COADS) products can be distributed without restriction. If the product is modified (e.g., subsets of statistics or of observed data fields) for redistribution, this should be clearly documented, and we request that the location of the original data, at the US National Center for Atmospheric Research and US National Oceanic and Atmospheric Administration, be specified. Furthermore, we ask that the title of the data product should indicate that it was “derived” from ICOADS, not that it “is” ICOADS.

The original COADS project, and the continuing US contribution toward the new [international partnership](#) on ICOADS, is the result of cooperation since 1981 between the National Oceanic and Atmospheric Administration ([NOAA](#)) and the National Science Foundation's National Center for Atmospheric Research ([NCAR](#)). The NOAA portion of ICOADS is partially funded by the NOAA Climate Program Office ([CPO](#)).

Document Revision Information

Previous document version: Derived from *R2.5-citation* of 27 July 2011, with updates for R3.0 and to add the Freeman et al. 2016 reference.