

ATOMIC 2020 dataset DOIs and Data Papers

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Landing Page:

<https://www.ncei.noaa.gov/access/metadata/landing-page/bin/iso?id=gov.noaa.nodc:ATOMIC-2020>

The numbers listed below can be used/replaced as the last 7 digits of this long URL:

<https://www.ncei.noaa.gov/access/metadata/landing-page/bin/iso?id=gov.noaa.nodc:0225424>

count	NCEI Accession # and name	DOI
1)	----- - Saildrone NASA -	https://doi.org/10.5067/SDRON-ATOM0 (not at NCEI)
2)	0224404 - Saildrone NOAA -	https://doi.org/10.25921/9km0-f614
3)	0225127 - NTAS mooring -	https://doi.org/10.25921/er1a-hq72
4)	0225373 - CU-RAAVEN air drone / UAS -	https://doi.org/10.25921/jhnd-8e58
5)	0225194 - SVP-S drifters -	https://doi.org/10.25921/2pzq-4d52
6)	0225279 - SWIFT drifters -	https://doi.org/10.25921/s5d7-tc07
7)	0225336 - Wave Gliders -	https://doi.org/10.25921/dvys-1f29
8)	0225427 - ship navigation met seawater flux -	https://doi.org/10.25921/etxb-ht19
9)	0225122 - ship CTD -	https://doi.org/10.25921/zycs-th03
10)	0225338 - ship ADCP -	https://doi.org/10.25921/b6wh-zr34
11)	0225339 - ship underway CTD -	https://doi.org/10.25921/nsmv-0c33
12)	0225402 - ship skin SST radiometer ROSR -	https://doi.org/10.25921/nwx9-rd07
13)	0225415 - ship skin SST radiometer M-AERI -	https://doi.org/10.25921/db6z-z646
14)	0225417 - ship isotope Picarro -	https://doi.org/10.25921/s76r-1n85
15)	0225423 - ship W-band radar -	https://doi.org/10.25921/44cy-kr53
16)	0225424 - ship atmospheric chemistry -	https://doi.org/10.25921/yf54-2c81
17)	0225425 - ship ceilometer -	https://doi.org/10.25921/jbz6-e918
18)	0225426 - ship disdrometer -	https://doi.org/10.25921/pfgv-7530
19)	0225372 - ship Doppler lidar -	https://doi.org/10.25921/74pc-me66
20)	???	- ship seawater isotope - delayed by covid19
21)	waiting	- ship sky camera - waiting, will be live soon
22)	0220436 - aircraft AXBT -	https://doi.org/10.25921/pe39-sx75
23)	0220631 - aircraft flight level met navigation -	https://doi.org/10.25921/7jf5-wv54
24)	0220625 - aircraft W-band radar -	https://doi.org/10.25921/n1hc-dc30
25)	0220627 - aircraft cloud/rain/wind remote sensing -	https://doi.org/10.25921/x9q5-9745
26)	0220624 - aircraft SST/rain/wave remote sensing-	https://doi.org/10.25921/qm06-qx04
27)	0220621 - aircraft isotope Picarro -	https://doi.org/10.25921/c5yx-7w29

6 total NOAA P-3 aircraft datasets (Pincus et al. ESSD)

<https://www.ncei.noaa.gov/archive/accession/0220436,0220631,0220625,0220627,0220624,0220621>

20 (in progress) NOAA Ship Ronald H. Brown & uncrewed ocean platforms (Quinn et al. ESSD)

*** 21 total including NASA saildrone archived separately at NASA PO.DAAC***

www.ncei.noaa.gov/archive/accession/0224404,0225122,0225127,0225194,0225279,0225336,0225338,0225339,0225373,0225402,0225415,0225417,0225423,0225424,0225425,0225426,0225427,0225372

26 (in progress) total datasets at NCEI (***) 27 total including NASA saildrone at PO.DAAC)

www.ncei.noaa.gov/archive/accession/0224404,0225122,0225127,0225194,0225279,0225336,0225338,0225339,0225373,0225402,0225415,0225417,0225423,0225424,0225425,0225426,0225427,0225372,0220436,0220631,0220625,0220627,0220624,0220621

Data Papers and Combined Data URLs/DOIs/Collections:

Sounding Data Combined ATOMIC + EUREC4A:

<https://doi.org/10.25326/137>

Stephan, C. C., Schnitt, S., Schulz, H., Bellenger, H., de Szoeko, S. P., Acquistapace, C., Baier, K., Dauhut, T., Laxenaire, R., Morfa-Avalos, Y., Person, R., Quiñones Meléndez, E., Bagheri, G., Böck, T., Daley, A., Güttler, J., Helfer, K. C., Los, S. A., Neuberger, A., Röttenbacher, J., Raeke, A., Ringel, M., Ritschel, M., Sadoulet, P., Schirmacher, I., Stolla, M. K., Wright, E., Charpentier, B., Doerenbecher, A., Wilson, R., Jansen, F., Kinne, S., Reverdin, G., Speich, S., Bony, S., and Stevens, B.: **Ship- and island-based atmospheric soundings from the 2020 EUREC4A field campaign**, *Earth Syst. Sci. Data*, 13, 491–514, <https://doi.org/10.5194/essd-13-491-2021>, 2021.

Drosonde Data (JOHANNE) Combined ATOMIC + EUREC4A:

TBD

George, G. and coauthors TBD *Earth Syst. Sci. Data*

NOAA P-3 Aircraft Data Collection:

<https://www.ncei.noaa.gov/archive/accession/0220436.0220631.0220625.0220627.0220624.0220621>

Pincus, R., Fairall, C. W., Bailey, A., Chen, H., Chuang, P. Y., de Boer, G., Feingold, G., Henze, D., Kalen, Q. T., Kazil, J., Leandro, M., Lundry, A., Moran, K., Naeher, D. A., Noone, D., Patel, A. J., Pezoa, S., PopStefanija, I., Thompson, E. J., Warnecke, J., and Zuidema, P.: Observations from the NOAA P-3 aircraft during ATOMIC, *Earth Syst. Sci. Data Discuss.* [preprint], <https://doi.org/10.5194/essd-2021-11>, in review, 2021.

Ronald H. Brown Ship + Uncrewed Platform Data Collection:

<http://www.ncei.noaa.gov/archive/accession/0224404.0225122.0225127.0225194.0225279.0225336.0225338.0225339.0225373.0225402.0225415.0225417.00225423.0225424.0225425.0225426.0225427.0225372>

... and...

<https://doi.org/10.5067/SDRON-ATOM0>

Quinn, P. K., Thompson, E., Coffman, D. J., Baidar, S., Bariteau, L., Bates, T. S., Bigorre, S., Brewer, A., de Boer, G., de Szoeko, 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 Discuss.* [preprint], <https://doi.org/10.5194/essd-2020-331>, in review, 2020.

EUREC4A Overview (including ATOMIC)

Stevens, B., and over 200 coauthors.: EUREC4A, *Earth Syst. Sci. Data Discuss.* [preprint], <https://doi.org/10.5194/essd-2021-18>, in review, 2021.