Several recent papers have stitched different campaign datasets together to infer lifecycles on aerosol, aerosol-cloud interaction over the southeast Atlantic

Is this being done with other ARM campaigns? Should there be?

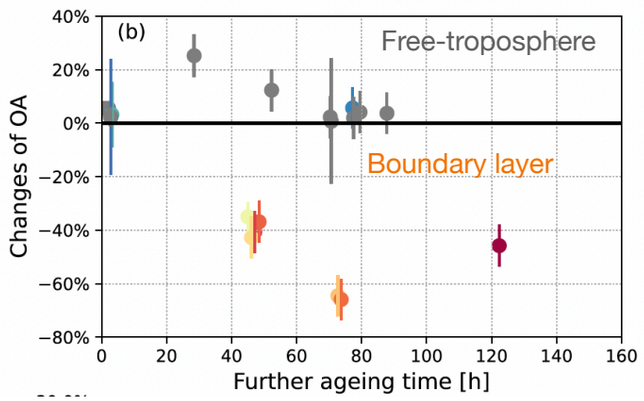
communications earth & environment

ARTICLE

https://doi.org/10.1038/s43247-022-00517-3 OPEN

Cloud processing and weeklong ageing affect biomass burning aerosol properties over the south-eastern Atlantic

Haochi Che[1✉], Michal Segal-Rozenhaimer[1,2,3✉], Lu Zhang[1], Caroline Dang[3,4], Paquita Zuidema[5], Amie Dobracki[5], Arthur J. Sedlacek III[6], Hugh Coe[7], Huihui Wu[7], Jonathan Taylor[7], Xiaoye Zhang[8], Jens Redemann[9] & Jim Haywood[10,11]



Atmos. Chem. Phys., 22, 9389–9412, 2022
https://doi.org/10.5194/acp-22-9389-2022

Atmospheric Chemistry and Physics Open Access

Biomass burning and marine aerosol processing over the southeast Atlantic Ocean: a TEM single-particle analysis

Caroline Dang[1,2], Michal Segal-Rozenhaimer[3,4], Haochi Che[3], Lu Zhang[3], Paola Formenti[5], Jonathan Taylor[6], Amie Dobracki[7], Sara Purdue[7], Pui-Shan Wong[8], Athanasios Nenes[9,10], Arthur Sedlacek III[11], Hugh Coe[6], Jens Redemann[12], Paquita Zuidema[7], Steven Howell[13], and James Haywood[14,15]

ENVIRONMENTAL Science & Technology

pubs.acs.org/est Article

Using the Black Carbon Particle Mixing State to Characterize the Lifecycle of Biomass Burning Aerosols

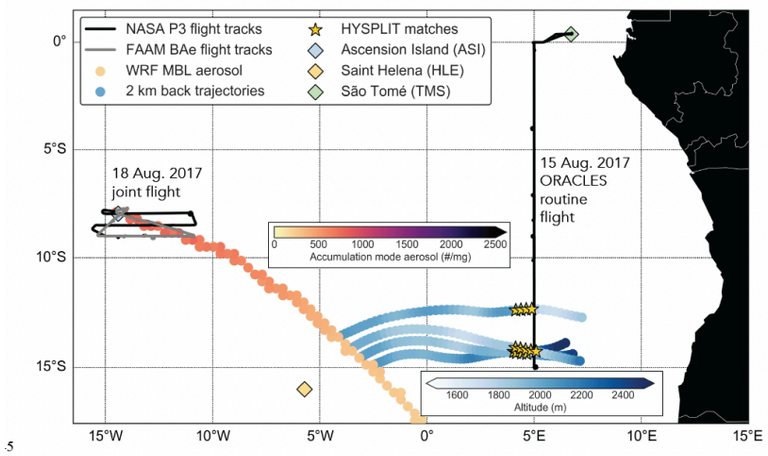
Arthur J. Sedlacek, III,* Ernie R. Lewis, Timothy B. Onasch, Paquita Zuidema, Jens Redemann, Daniel Jaffe, and Lawrence I. Kleinman

Cite This: Environ. Sci. Technol. 2022, 56, 14315−14325 Read Online

Cloud adjustments from large-scale smoke-circulation interactions strongly modulate the southeast Atlantic stratocumulus-to-cumulus transition

ACP, 2022

Michael S. Diamond[1,2], Pablo E. Saide[3,4], Paquita Zuidema[5], Andrew S. Ackerman[6], Sarah J. Doherty[7,8], Ann M. Fridlind[6], Hamish Gordon[9], Calvin Howes[3], Jan Kazil[1,2], Takanobu Yamaguchi[1,2], Jianhao Zhang[1,2], Graham Feingold[2], and Robert Wood[8]



https://doi.org/10.5194/amt-2022-59
Preprint. Discussion started: 23 March 2022

Atmospheric Measurement Techniques Discussions Open Access EGU

ACP, accepted. The brave soul who assessed that measurements could be meaningfully compared across the 3 campaigns

Intercomparison of airborne and surface-based measurements during the CLARIFY, ORACLES and LASIC field experiments

Paul A. Barrett[1], Steven J. Abel[1], Hugh Coe[2], Ian Crawford[2], Amie Dobracki[3], James Haywood[4,1], Steve