

DOE ASR June 24, 2-4pm Eastern Time breakout session:
Shortwave-absorbing aerosols and their interactions with the large-scale environment
Conveners: Paquita Zuidema, Allison Aiken, Art Sedlaceck, Yan Feng

Introduction [1 minute]

Aerosol processes:

Art Sedlaceck: on the mixing state lifecycle of biomass-burning black carbon, from BBOP to LASIC [10 minutes + 2 Q/A]

Amie Dobracki: Rethinking the lifetime of biomass-burning-aerosol in the free troposphere [10 minutes + 2 Q/A]

Michal Segal-Rozenhaimer: Assessing the Link Between Aerosol Mixing State, Structure and Composition and their Optical Properties: Ascension Island as a Testbed for the South-East Atlantic Aerosol [10 minutes + 2 Q/A]

Aerosol-Cloud Interactions:

Allison Collow and Mark Miller: Radiative Heating Rate Profiles over the Southeast Atlantic Ocean during the 2016 and 2017 Biomass Burning Seasons [10 minutes + 2 Q/A]

Paul Barrett: On the collaboration between UK CLARIFY and LASIC [10 minutes + 2 Q/A]

Jianhao Zhang: Amplification of the seasonal cycle in low clouds over the remote southeast Atlantic when biomass-burning aerosol is present [10 minutes + 2 Q/A]

Pablo Saide and Calvin Howes: Hygroscopicity parameter from LASIC observations and comparison to models [10 minutes + 2 Q/A]

The Modeling Frontier:

Yan Feng: Evolution of Biomass Burning Aerosol Properties: a Model Comparison to the LASIC and ORACLES Observations [10 minutes+ 2 Q/A]

Michael Diamond, Ann Fridlind/Andrew Ackerman, Jan Kazil: Stratocumulus-to-cumulus transitions in the presence of smoke [15 minutes + 5 Q/A]

Where do we go from here? [3 minutes]