Shortwave-absorbing aerosols and their interactions with clouds (e.g. LASIC)
Breakout session 5: Wednesday 1:30-3:30 (room: Brookside)

Conveners: Paquita Zuidema and Allison Aiken and Art Sedlacek
13-minute presentations

1:32-1:46 **Cloud Processing of Biomass Burning Plumes Drives Black Carbon to Center Stage.** Art Sedlacek and Ernie Lewis

1:46-1:59 **CALIOP and HSRL-2 measurements of aerosol layers over the SE Atlantic** Rich Ferrare and Sharon Burton

1:59-2:12 **Assessment of LASIC micro-pulse lidar and retrievals**
Paytsar Muradyan and Paquita Zuidema

2:12-2:25 **LES inter comparison of Lagrangian shallow cloud evolution under smoky conditions.** Robert Wood

2:25-2:38 **Realistic Lagrangian LES**
Takanobu Yamaguchi or Graham Feingold

2:38-2:51 **Low cloud reduction within the smoky marine boundary layer and the diurnal cycle** Jianhao Zhang and Paquita Zuidema

2:51-3:02 **Aerosol Radiative Effects over Ascension Island using LASIC Observations and MERRA-2** Allison Collow/Mark Miller

3:02-3:15 **Modeling aerosol-cloud-radiation interactions in the southeast Atlantic: Understanding impacts and uncertainties** Pablo Saide

3:15-3:30 **Discussion/other topics**

Model-observational seasonal/diurnal intercomparison proposal (Yan Feng)

joint LASIC/CLARIFY/ORACLES/AEROCLO-Sa workshop May 18-22 2020 Miami

ACP/AMT Special Issue https://www.atmos-chem-phys.net/special_issue978.html
"New observations and related modelling studies of the aerosol–cloud–climate system in the Southeast Atlantic and southern Africa regions"

LASIC overview paper plans