

Evaluation of UKCA simulated column size distributions in GLOMAP

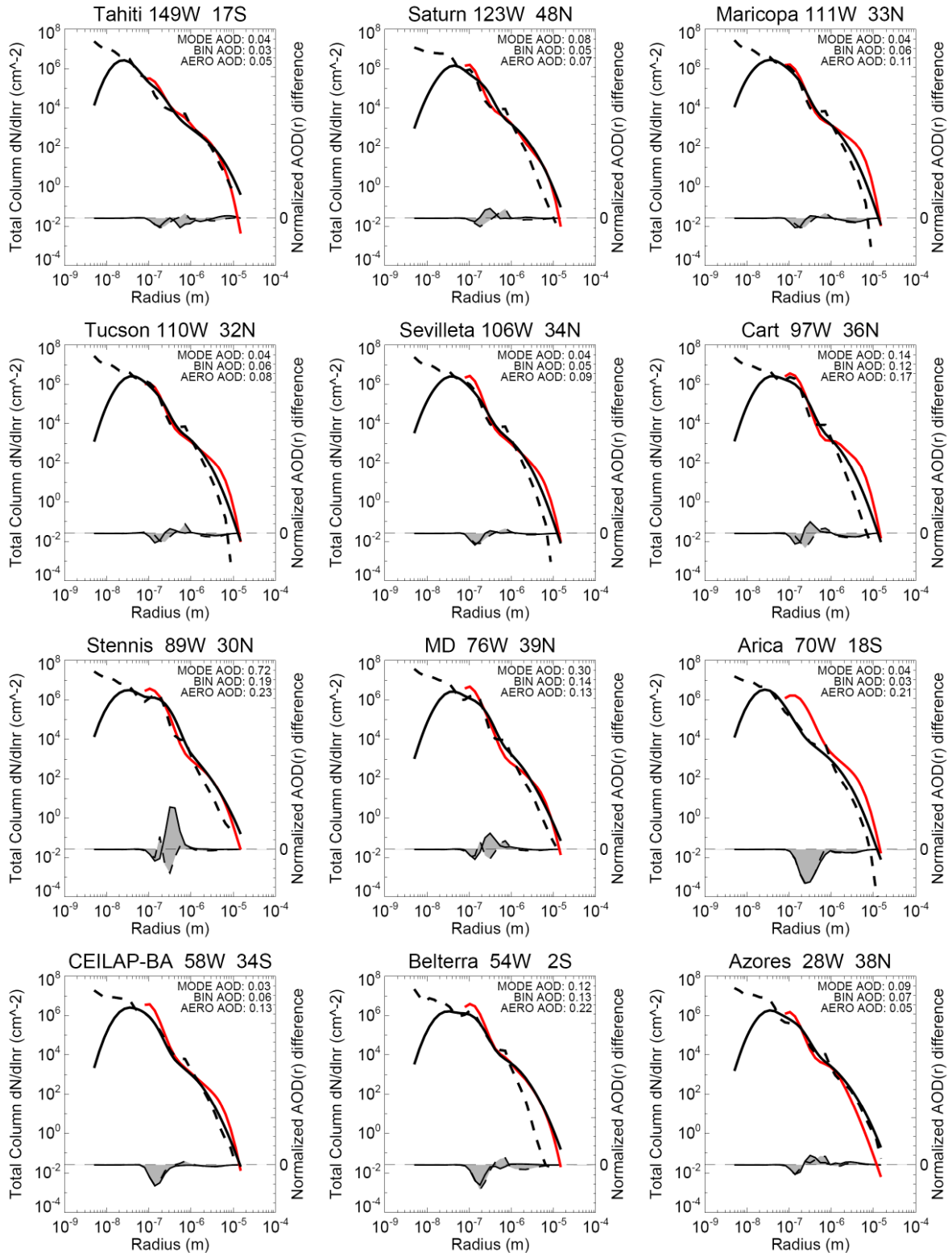


Figure 1a Simulated column-integrated size distributions in GLOMAP-mode (solid black line), GLOMAP-bin (solid dashed line) and retrieved by AERONET sun photometer (red line) for September 2000. Shaded line indicates the relative impact of the size distribution discrepancy on simulated Aerosol Optical Depth at 550nm. Included in this run are 7 size modes containing sulphate, sea-salt, black carbon, organic carbon and dust.

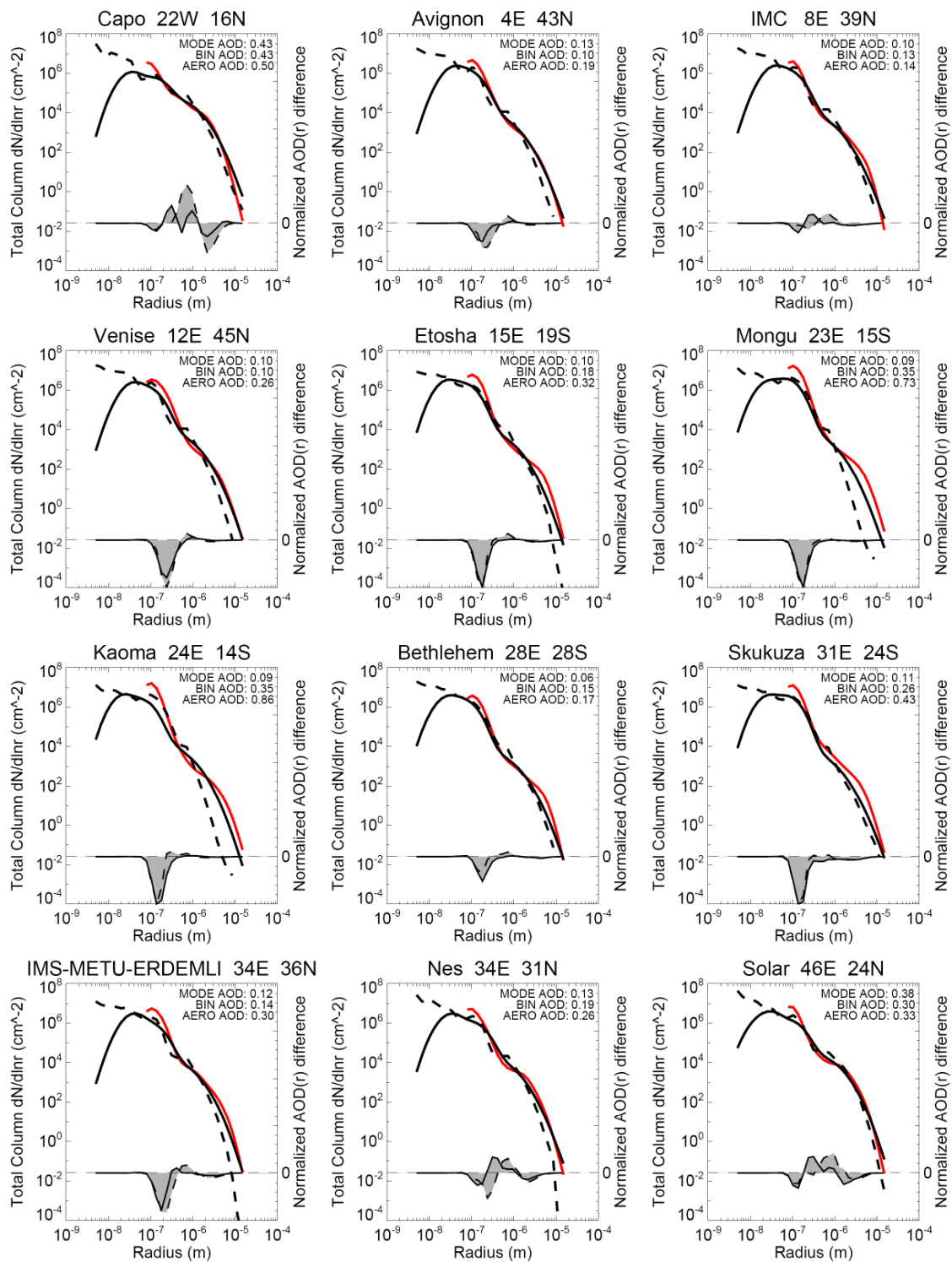


Figure 1b Simulated column-integrated size distributions in GLOMAP-mode (solid black line), GLOMAP-bin (solid dashed line) and retrieved by AERONET sun photometer (red line) for September 2000. Shaded line indicates the relative impact of the size distribution discrepancy on simulated Aerosol Optical Depth at 550nm. Included in this run are 7 size modes containing sulphate, sea-salt, black carbon, organic carbon and dust. Included in this run are 7 size modes containing sulphate, sea-salt, black carbon, organic carbon and dust.