# time\_series directory

The time\_series directory contains time series of annual 440 nm AOD, AE, AAOD, and SSA for the selected stations described in the manuscript. The sen’s slope trends are also marked in the title, with different colours representing 90% (red) and below 90% (black) significance levels, respectively.

# map directories

The map\_xxx\_nm directories contain global maps of AOD, AAOD, and SSA trends at 670 and 870 nm.

The map\_mean directory contains global maps of annual and seasonal mean of AOD, AE, AAOD, and SSA at 440 nm.

# list directories

The list directory contains tables, listing locations and annual trends of parameters of stations.