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Comment on egusphere-2022-383

Anonymous Referee #2

Referee comment on "Biomass Burning and Gas Flares create the extreme West African Aerosol Plume Which Perturbs the Hadley Circulation and thereby Changes Europe's Winter Climate" by Keith Alan Potts, EGU sphere,
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Biomass Burning and Gas Flares create the extreme West African Aerosol Plume Which Perturbs the Hadley Circulation and thereby Changes Europe's Winter Climate

Topic of this paper it self is interesting as in the future there will be interesting emerging aerosol patterns in Africa. This paper concentrates on Biomass burning aerosols on western part of Africa and their influences on European winter climate.

General comments:

While the topic is relevant and interesting, the author interpred causality from only correlation from different datasets. Example, one can include climate model analysis where individual aerosols sources and their effect are studied separately. Author does not presents any evolution of different aerosol species but assumes that observed trend is anthropogenic and not an example dust from sahara. Author should include also relevant previus studies and link these to new narrative of region aerosols and emergin aerosol patterns. The topic it self is relevant but this draft need much more detalied analysis to be accepted as scientific publication