Model description:

说明：我参考了文献https://acp.copernicus.org/articles/20/1901/2020/，列出了模拟可能用到的信息，可供摘取并组织为文章段落。

- Community Earth System Model version 2.1.3

- we ran fully coupled CESM with 7 components (reference: https://escomp.github.io/CESM/versions/cesm2.1/html/cesm\_configurations.html#cesm2-components )

- we used a CESM component set named ‘FHIST’ (reference: https://docs.cesm.ucar.edu/models/cesm2/config/2.1.3/compsets.html) and extend FHIST’s default simulation period (1750-2015) to 2016 by alternatively using the SSP3-7.0 scenario forcing from another component set ‘BSSP370’.

- CAM6 spatial resolution 0.9°×1.25°

- 1-year spin-up period and then simulation starts from 2016-11-12 for 17 days.

- compute black carbon radiative forcing in CAM6 (reference: <https://ncar.github.io/CAM/doc/build/html/CAM6.0_users_guide/physics-modifications-via-the-namelist.html#example-black-carbon-radiative-forcing,> section 8.5. Example - Black carbon radiative forcing)

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