

Supplementary Materials: The following are supporting information:

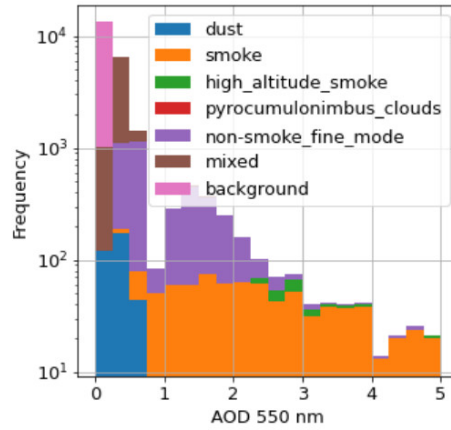


Figure S1: VIIRS AOD 550 nm per aerosol type from 20 to 24 December 2019;

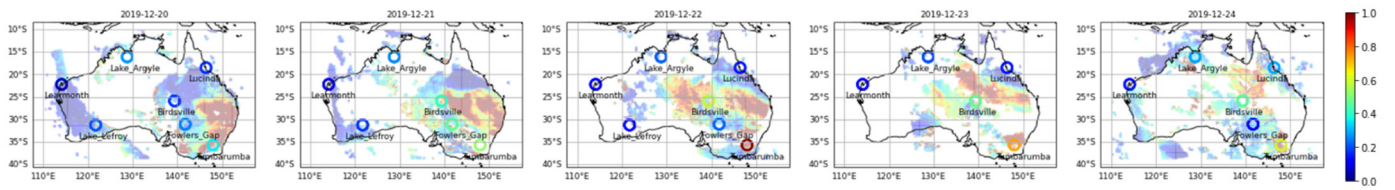


Figure S2: AEROS5P AOD 550 nm from 20 to 24 December 2019. Circles represent the AOD measured by ground-based sun photometer of AERONET stations.

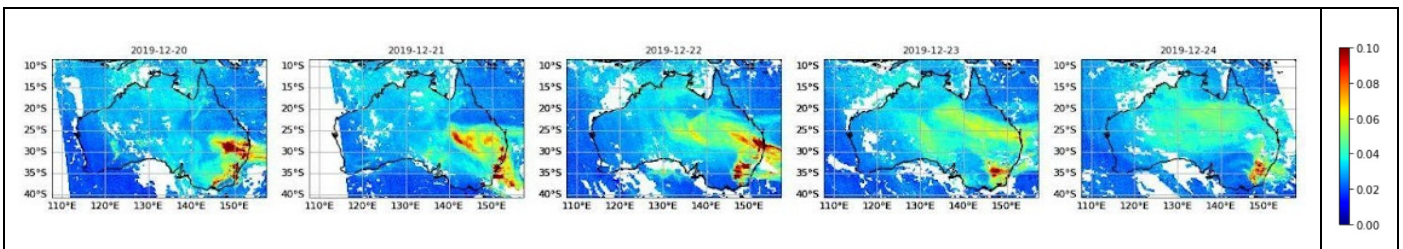


Figure S3: TROPOMI Carbon monoxide total column in 10^{24} molec.m⁻² from 20 to 24 December 2019.

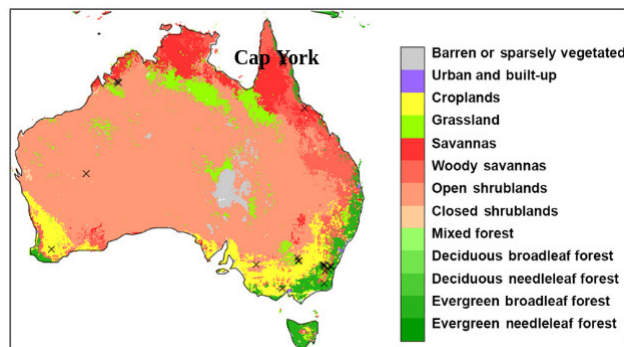


Figure S4: MCD12C1 land cover type map for Australia, from [75].