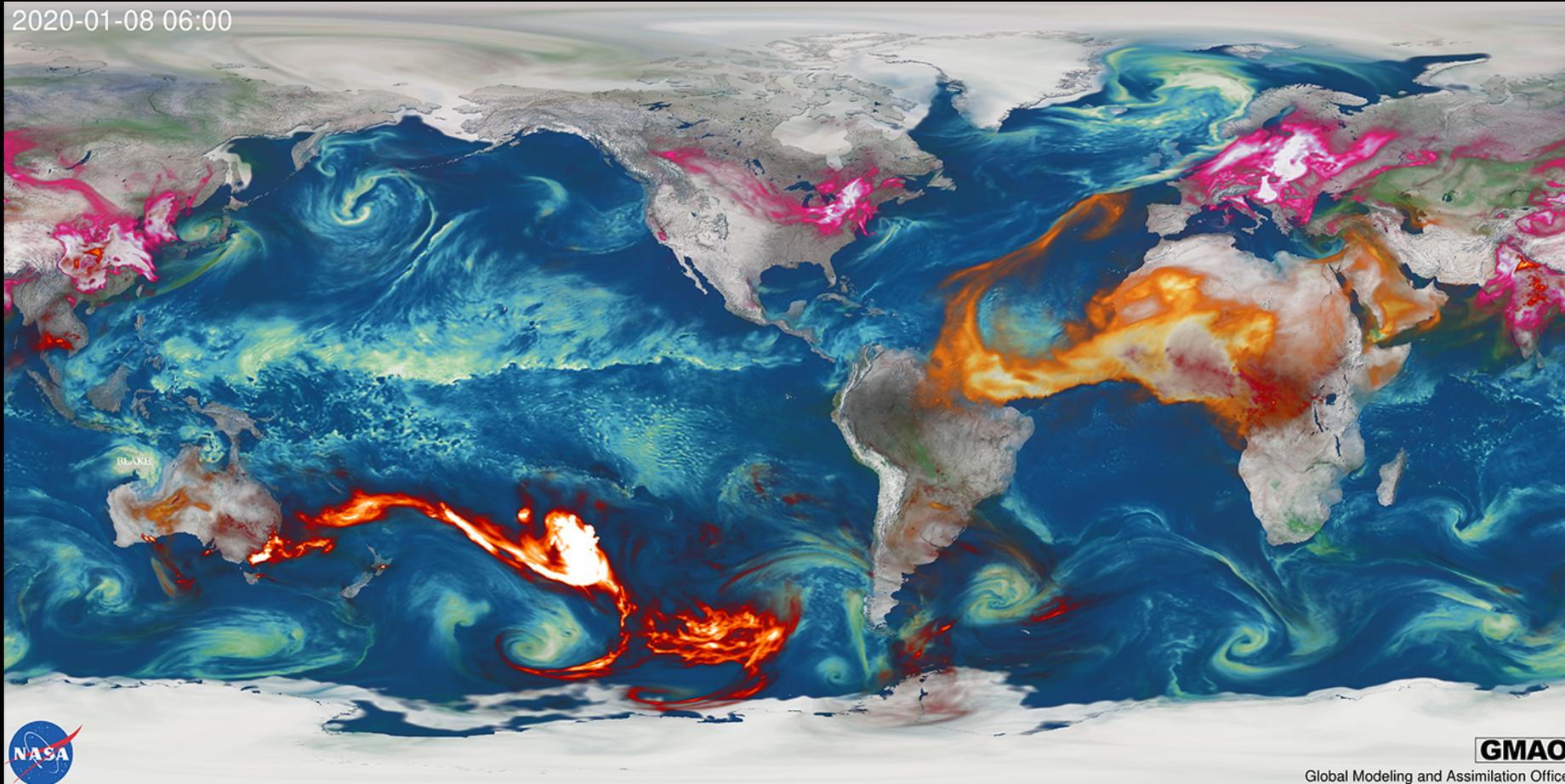


Global Transport of Smoke from Australian Bushfires



NASA's GEOS-FP data assimilation system captures the global distribution of aerosols. Different aerosol species are highlighted by color, including dust (orange), sea-salt (blue), nitrates (pink) and carbonaceous (red), with brighter regions corresponding to higher aerosol amounts. NASA's MODIS observations constrain regions with biomass burning as well as the aerosol optical depths in GEOS, capturing the prominent bushfires in Australia and transport of emitted aerosols well downstream over the South Pacific Ocean.

Carbon Aerosol Optical Depth (550 nm)



Nitrate Aerosol Optical Depth (550 nm)



Sulfate Aerosol Optical Depth (550 nm)



Dust Aerosol Optical Depth (550 nm)



Sea Salt Aerosol Optical Depth (550 nm)

