

Using spaceborne AOD observations to constrain biomass burning emissions in the GOCART model

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- Biomass burning emissions = $A B C F_i$
- Use a combination of
 - Two different A: (1) from the new MODIS area burned product, (2) from MODIS fire count based estimate
 - Two different BxC: (1) Global Landuse Change (GLC) (2) Amber Soja
 - Two different emission factors (1) GLC, (2) default GOCART
- A wide range of difference – can we use satellite data to constrain the emission?

