

MINX-derived global plume height
database in 2008
Val Martin et al. (2018)



Statistically derived profiles (%) based on altitude, land cover unit, region, and season

Map native MISR injection altitude distribution (0–8 km, 250 m) to GMAO 47-layer reduced vertical grid (hPa)

Assign a smoke injection height altitude distribution to GEOS-Chem grid box
(2° latitude x 2.5° longitude)

Modify setemis.F in GEOS-Chem (v9.01.01) to distribute biomass burning emissions according to 3-D matrix