

The marine source of isoprene (molecules  $\text{cm}^{-2}\text{s}^{-1}$ ) for 2001 calculated from MODIS observations of chlorophyll content:

[January](#)

[February](#)

[March](#)

[April](#)

[May](#)

[June](#)

[July](#)

[August](#)

[September](#)

[October](#)

[November](#)

[December](#)

The data has a horizontal resolution of  $36 \text{ km}^2$ . The data has dimensions  $1024 \times 512$  (lon x lat).

For additional information about the method/data we used to estimate the marine isoprene flux please refer to:

- Palmer, P. I., and S. L. Shaw, "[Quantifying global marine isoprene fluxes using MODIS chlorophyll observations](#)," *Geophys. Res. Lett.*, 32, L09805, doi:10.1029/2005GL022592, 2005.

Paul Palmer, March 2005.