GeosChem simulations of the impact on tropospheric O3 from the 2003 Canberra megafires

Train-borne measurements of tropical methane enhancements in Australia


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Trace gas versus AOD, various Australian forest fires

Measured and modelled $O_3$ concentrations, January 2003 Canberra fires

Figure 4, from Guerova & Jones Atmos. Chem. Phys. Discuss., 9, S205–S206, 2009.
Train-borne measurements of tropical methane enhancements in Australia

Portable FTIR system in carriage

Adelaide to Darwin Ghan train.
Trip 1, Feb 24 – 29, 2008, Wet

Trip 2, Mar 30 – Apr 4, 2008, Wet

Trip 3, Sep 28 – Oct 1, 2008, Dry
MODIS
Wetlands
May 2008
Blue line: GEOS5 (2x2.5 deg. and 47 level resolution), courtesy of Chris Pickett-Heaps, using the methane simulation module in GEOS-CHEM developed by Jerome Drevet (Switzerland)