

AEROCOM

New Data Protocol and Selected Comparisons

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AeroCom output processing

so far **8 models** have delivered netCDF format data

Current procedure

- data are averaged with nco scripts
- variables are renamed to « Aerocom » - names
- data are preprocessed in idl
 - (units, species split, column integration etc)
- data are plotted in idl and converted to *.png
- images are transferred to IPSL web server
- interactive website uses Perl scripts
 - to look up available species and parameters per model

PRELIMINARY RESULTS!! DO NOT CITE NOR USE WITHOUT ASKING MODEL AUTHORS

AEROCOM simulation results / Comparison among models / data ----->

launch NEW query with changed parameters

HELP

KYU 2000 Takemura

SS

EMI

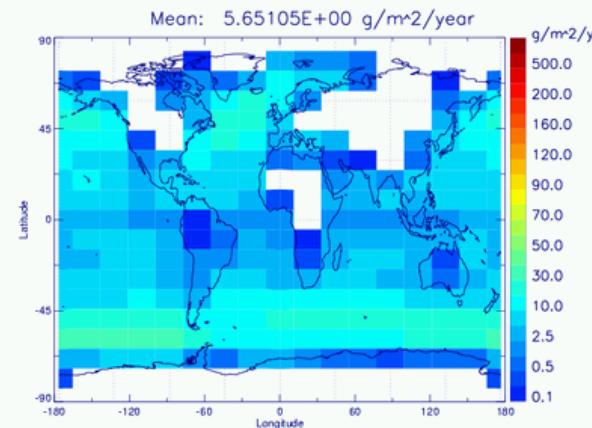
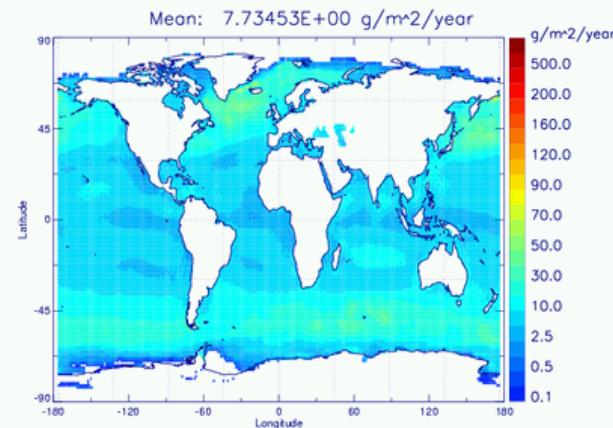
ULAQ CLIM Pitari/Montanaro

SS

EMI

KYU - SS - EMI

ULAQ - SS - EMI



ARQM CLIM? Gong

SS

EMI

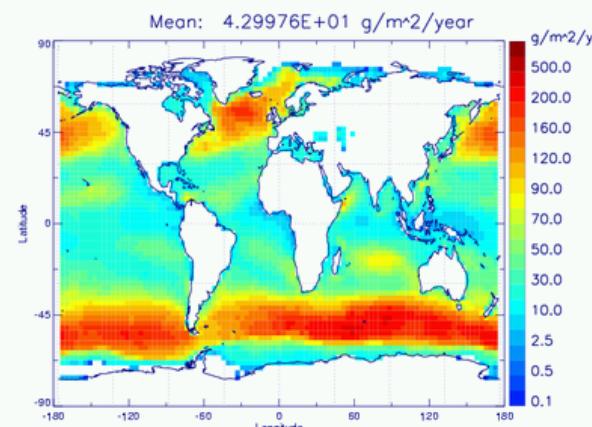
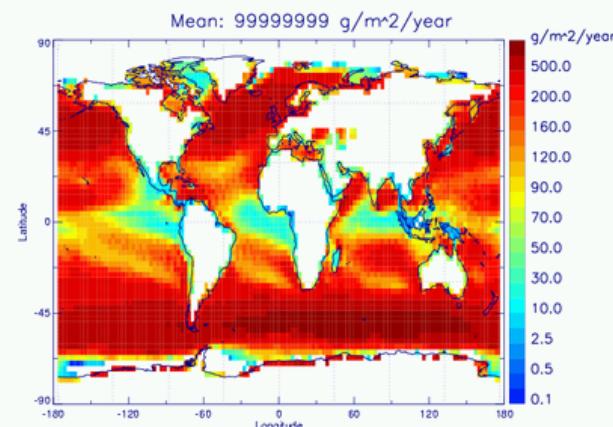
ARQM - SS - EMI

LMDzT 2000 Schulz/Balkanski/Textor

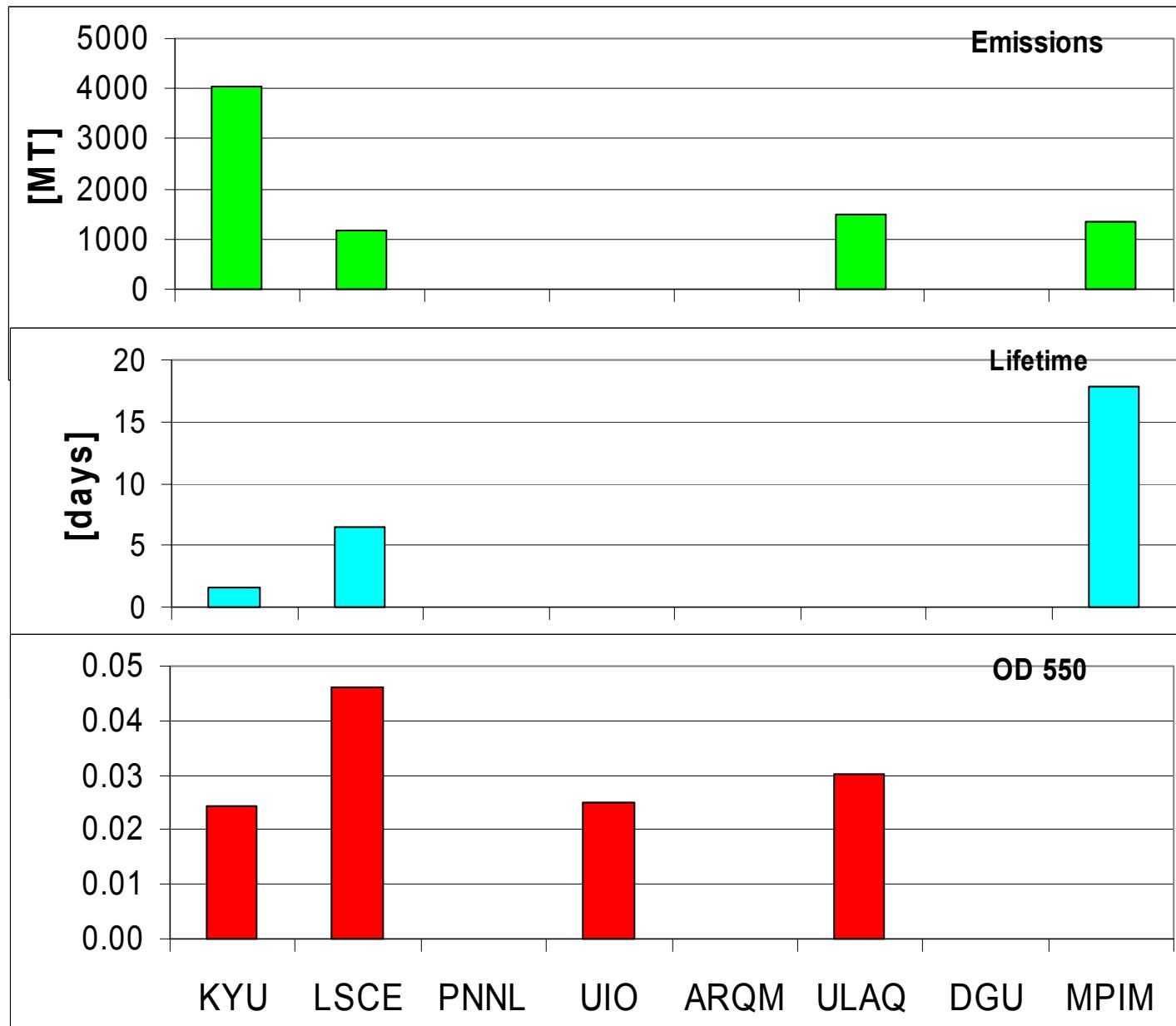
SS

EMI

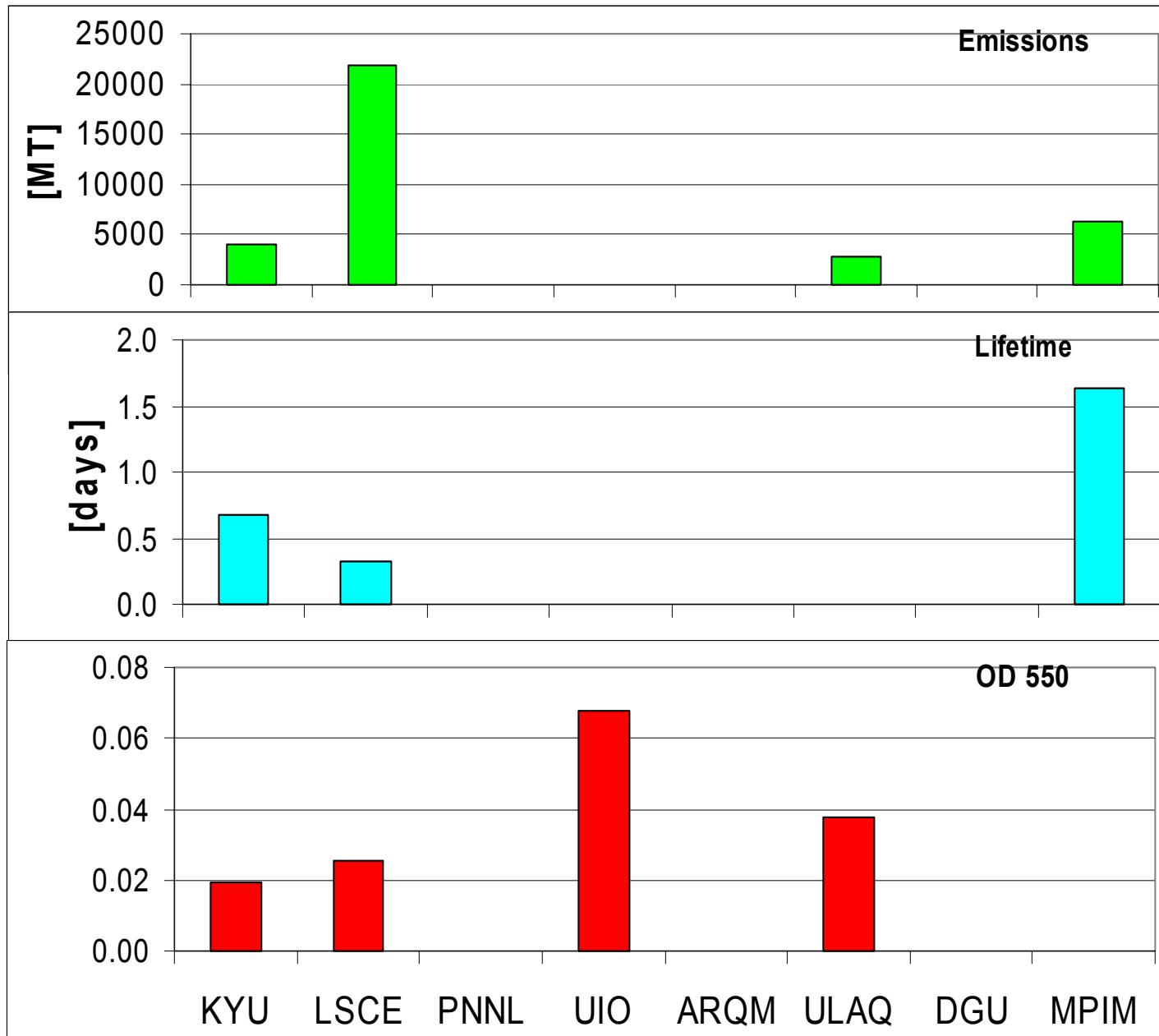
LSCE - SS - EMI



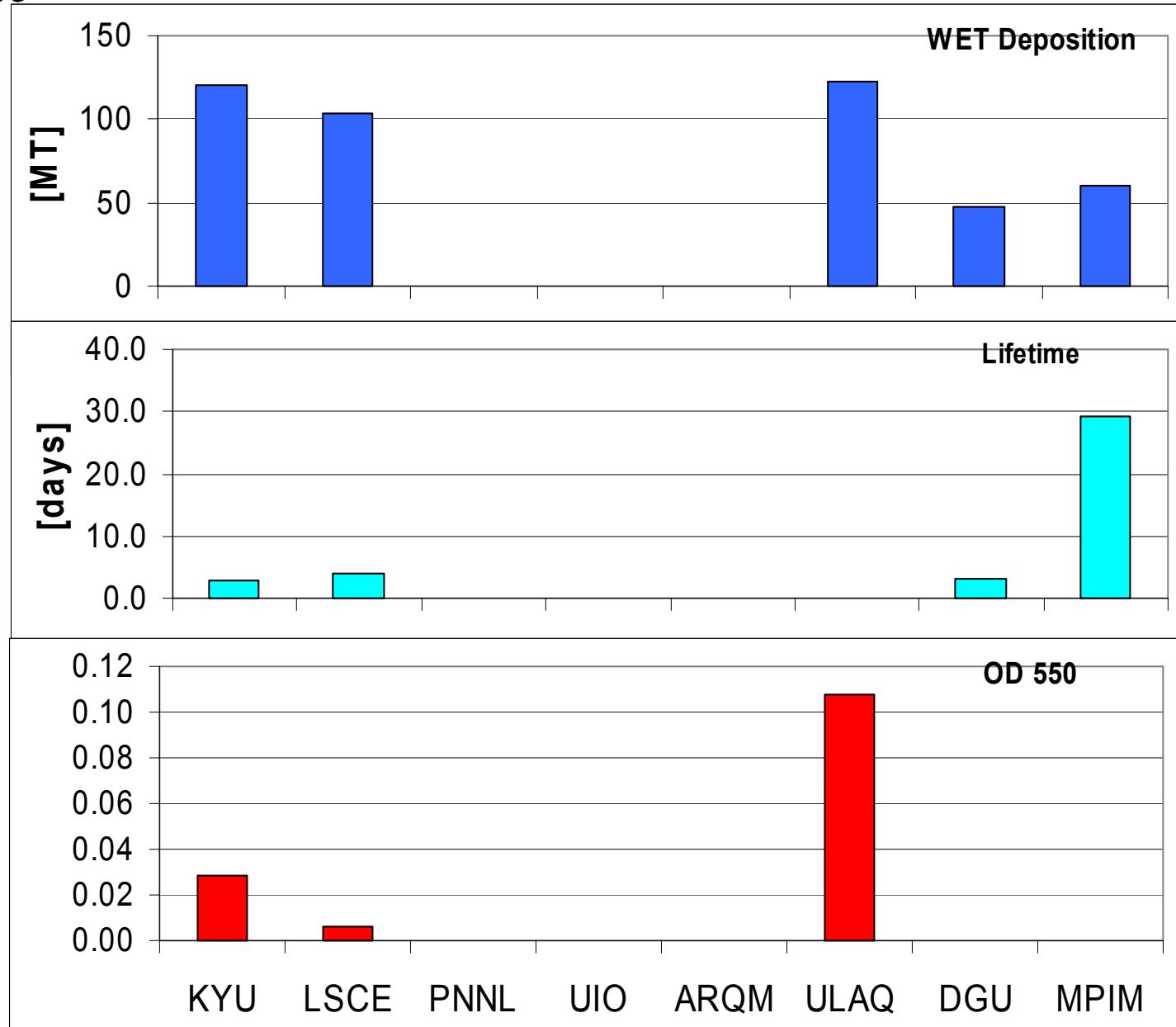
DUST



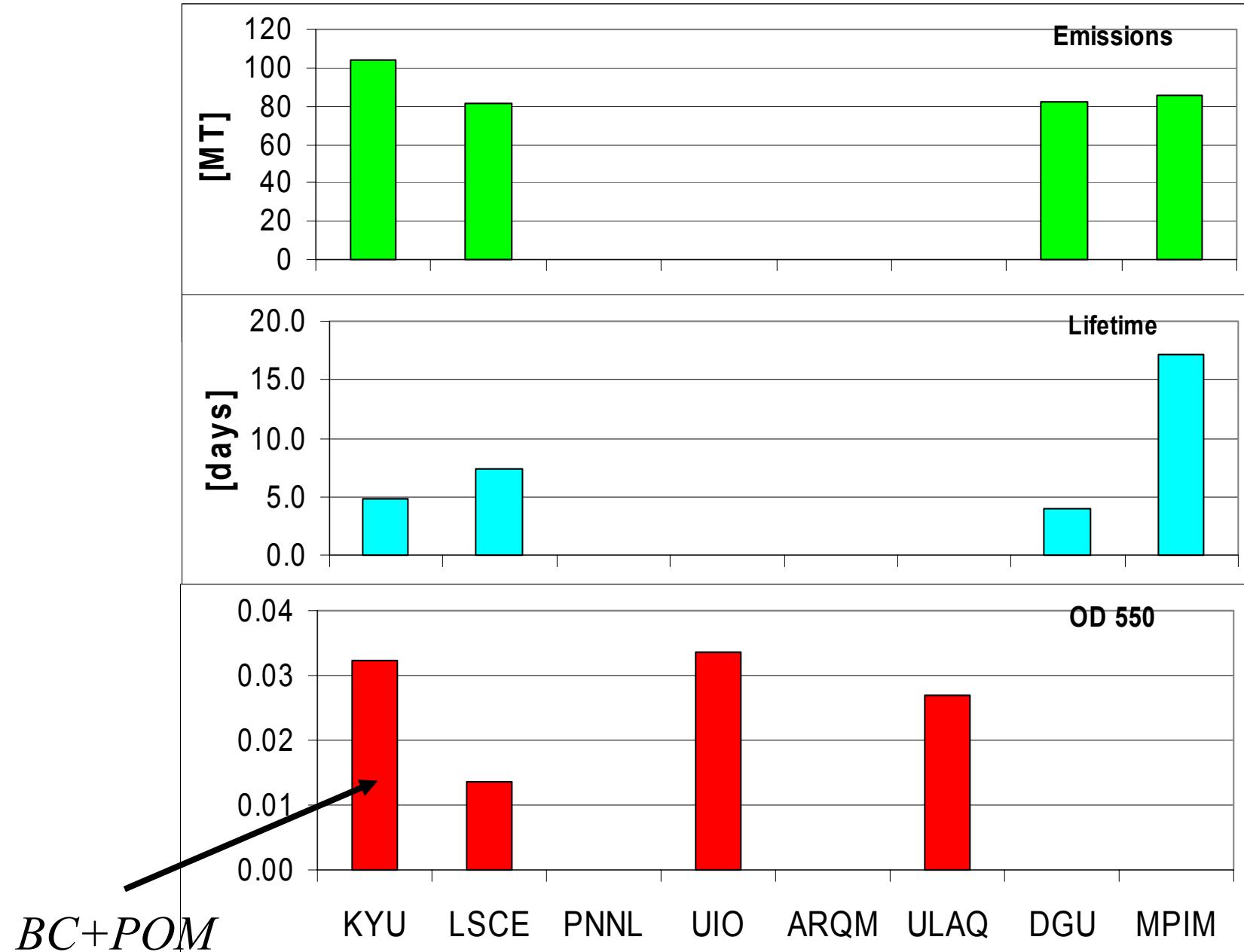
Sea Salt



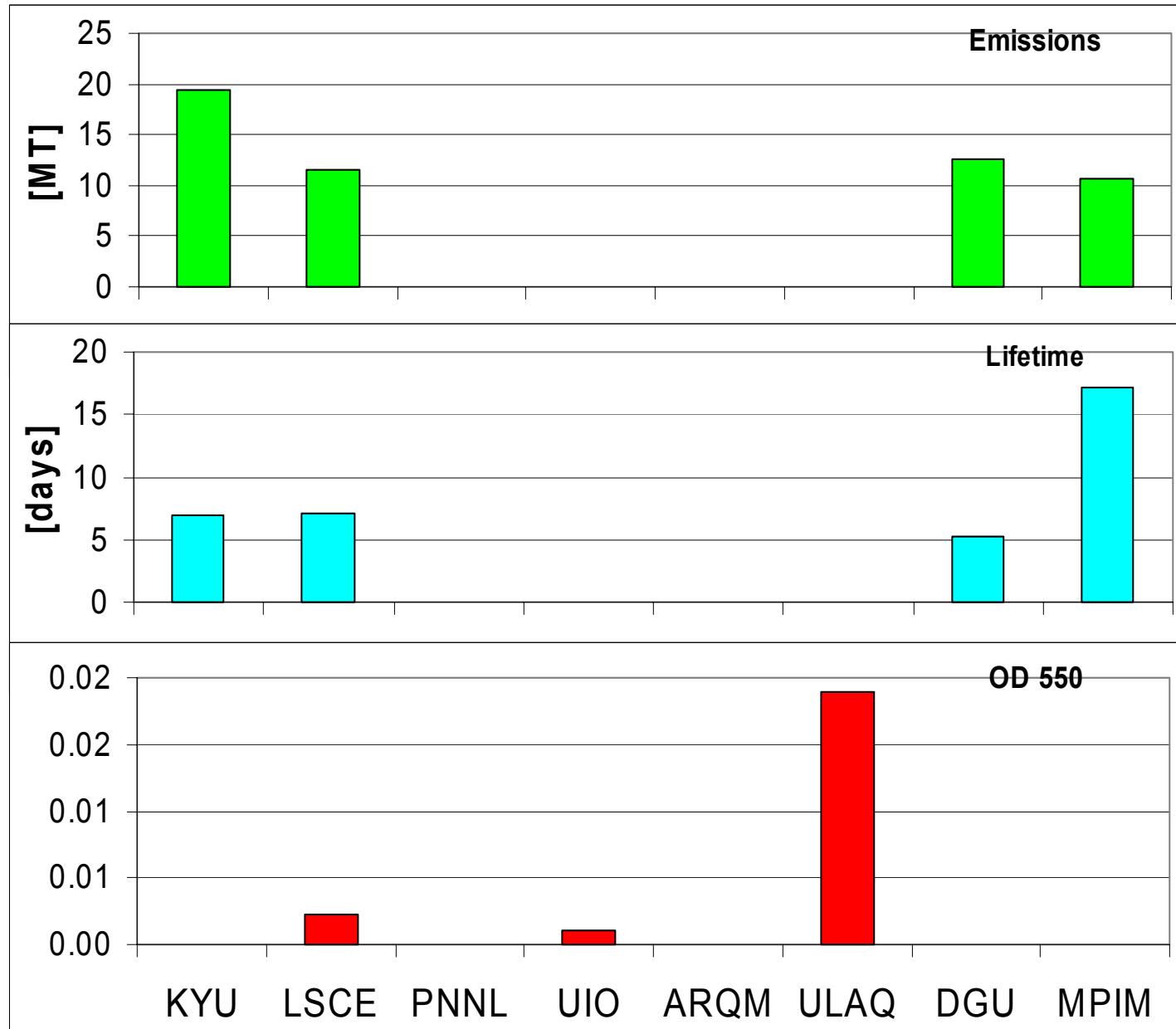
Sulphate



Particulate Organic Matter



Black Carbon

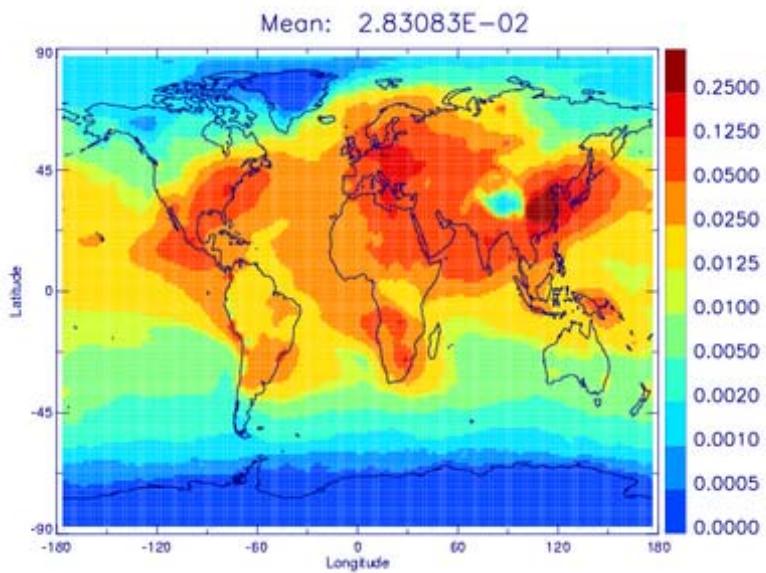
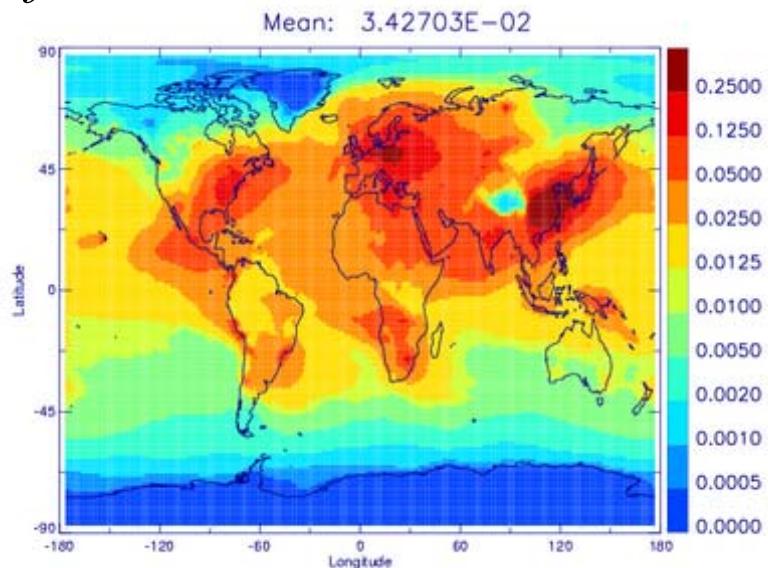


Daily (local noon?)

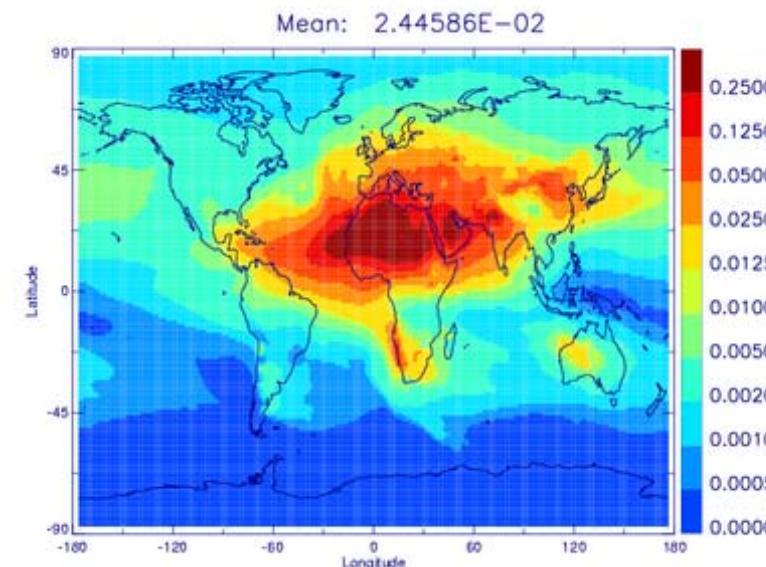
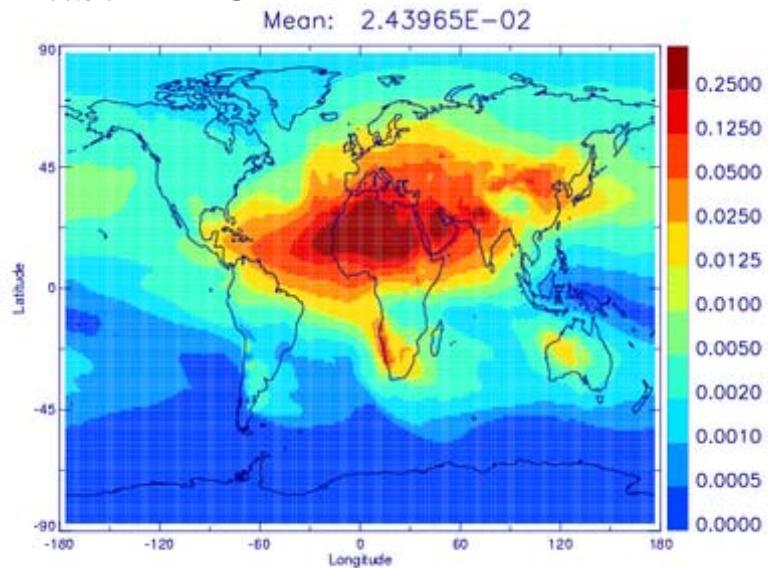
versus

Monthly Mean

Sulfate OD 550 KYU

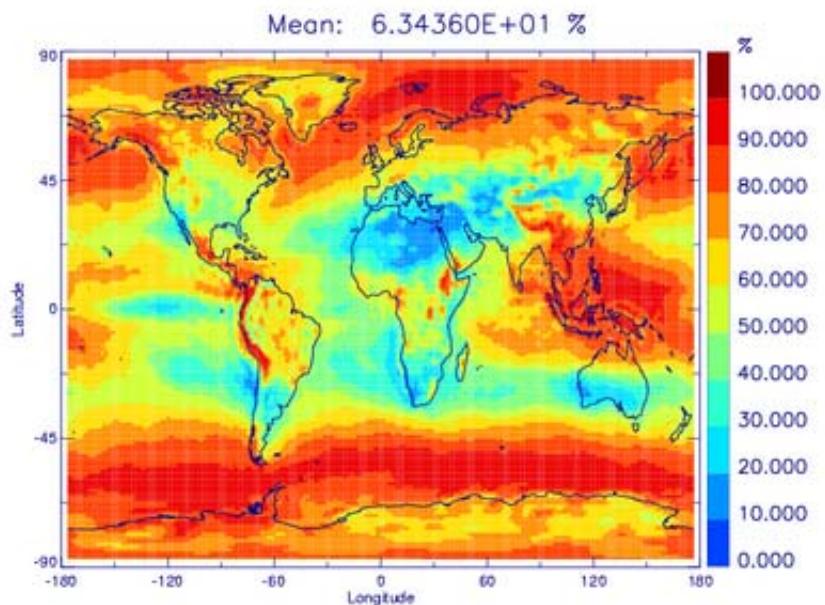


Dust KYU

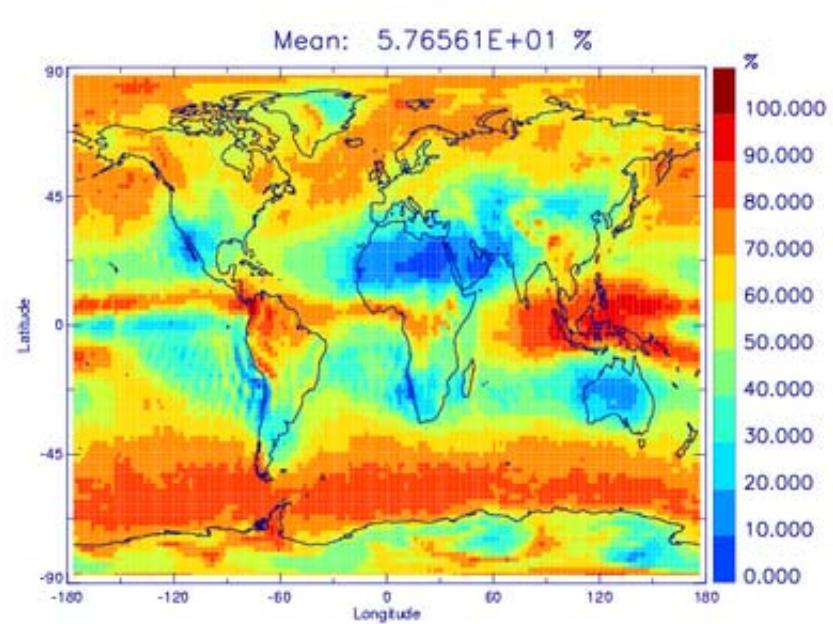


Cloud cover

KYU

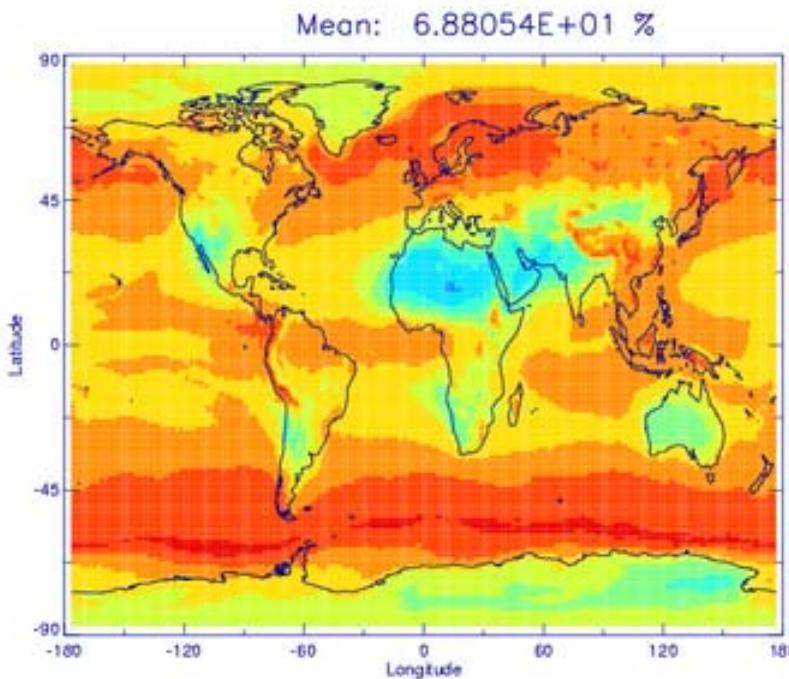


UIO

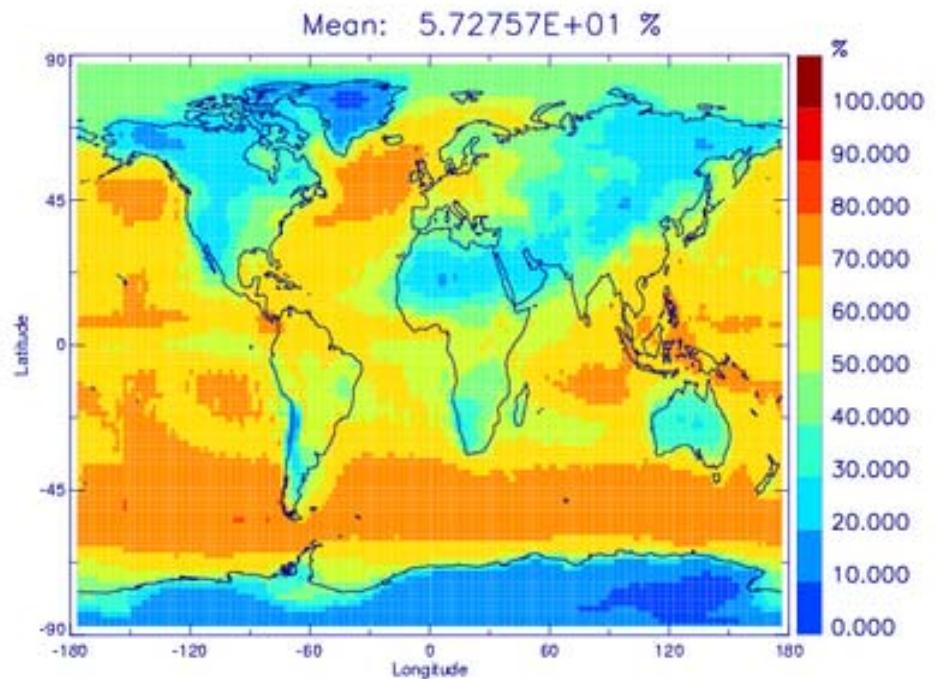


Relative Humidity from daily output

KYU

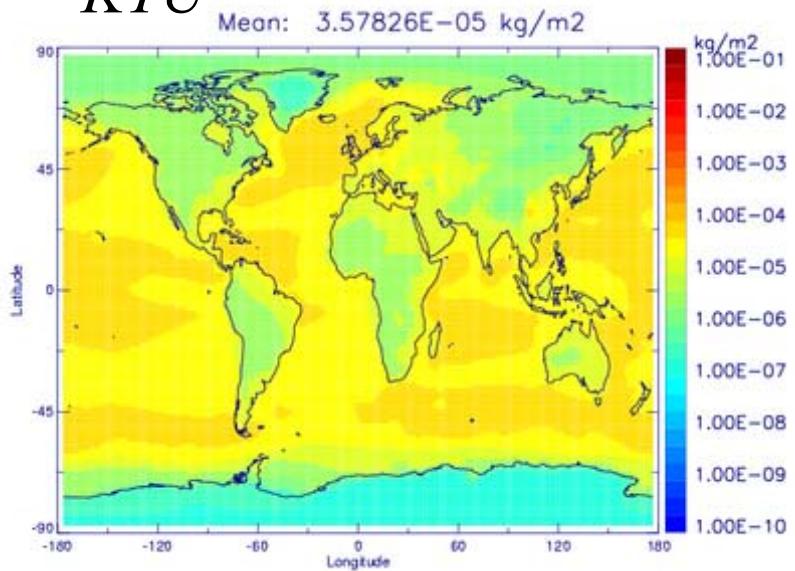


UIO

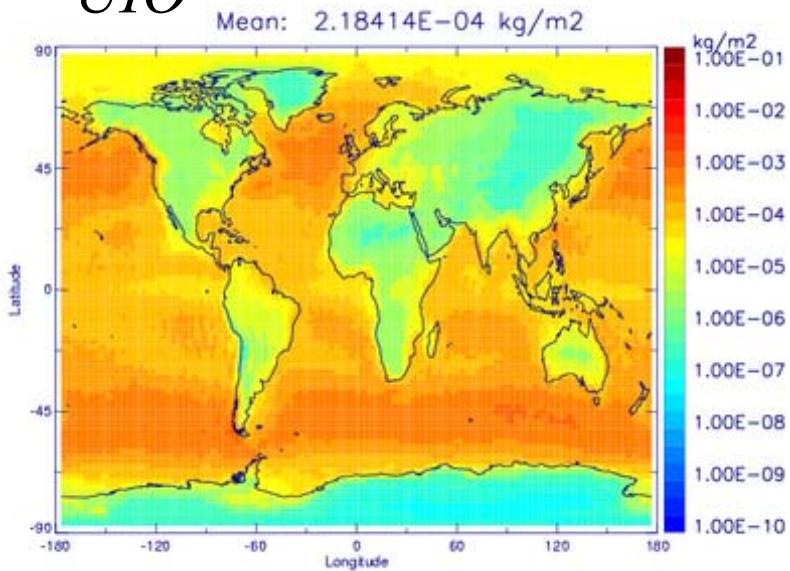


Aerosol water mass

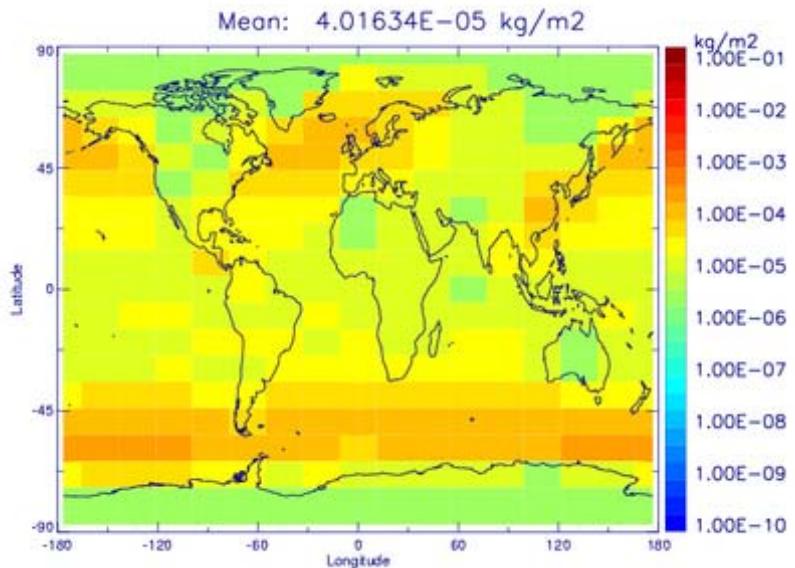
KYU



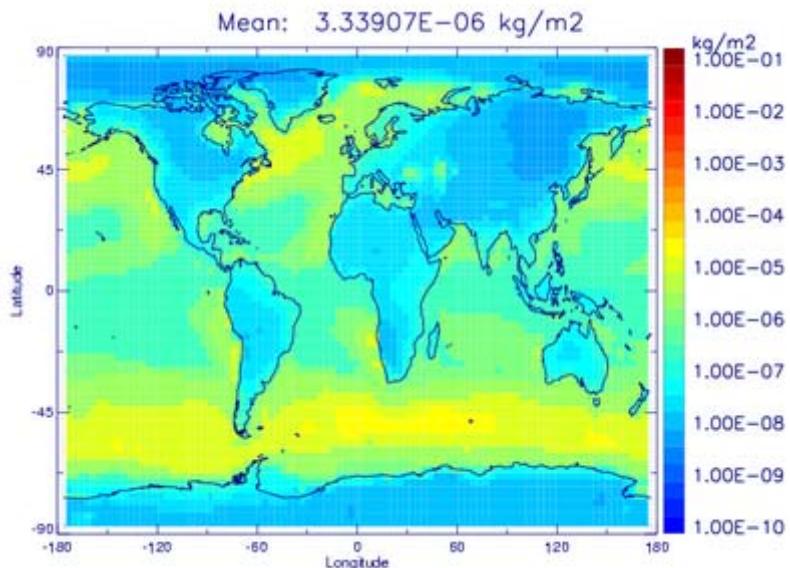
UIO



ULAQ



LSCE



*surface aerosol composition and opt. parameters
at selected surface sites will be added to the AEROCOM-protocoll
for the year 2000 simulations*

Profile Output of LMDz-INCA year 2000
Aerosol composition, optical paramaters
(preliminary collection of aerosol sites
Guibert&Schulz for EU CREATE project)

*AEROCOM
-regional comp.
-point comp.*

