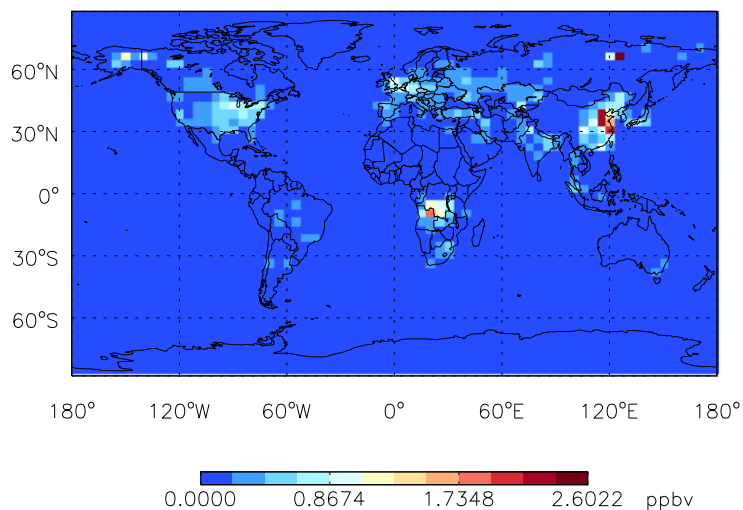


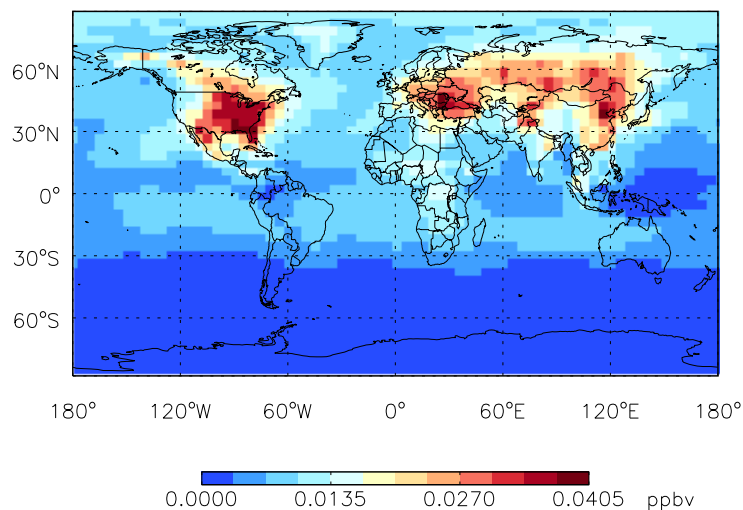
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

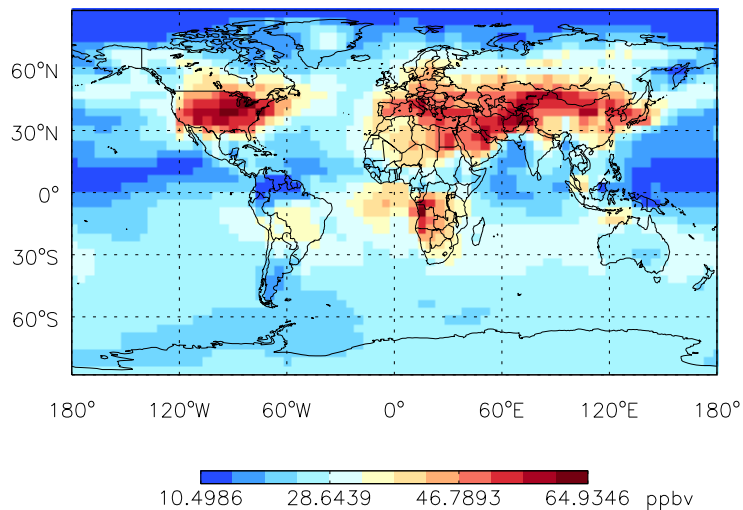
Tracer Map @ Surface – NO



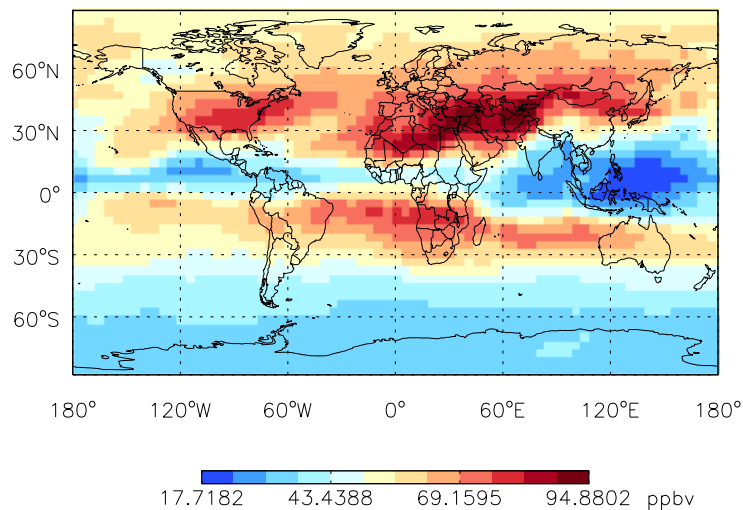
Tracer Map @ 500 hPa – NO



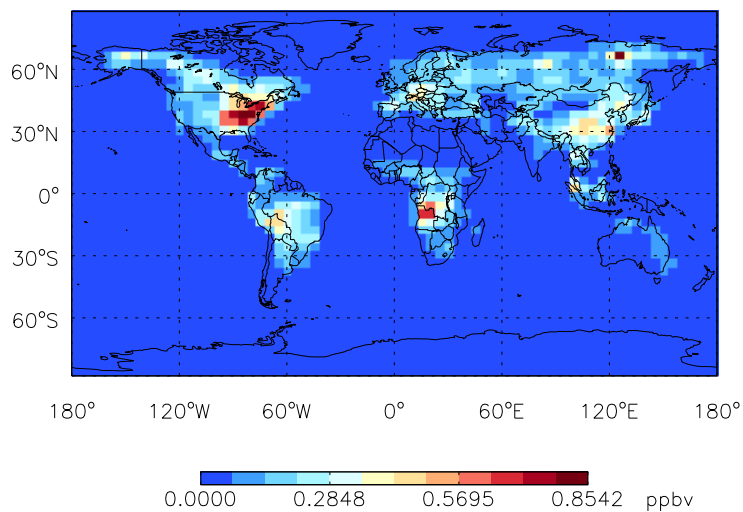
Tracer Map @ Surface – O3



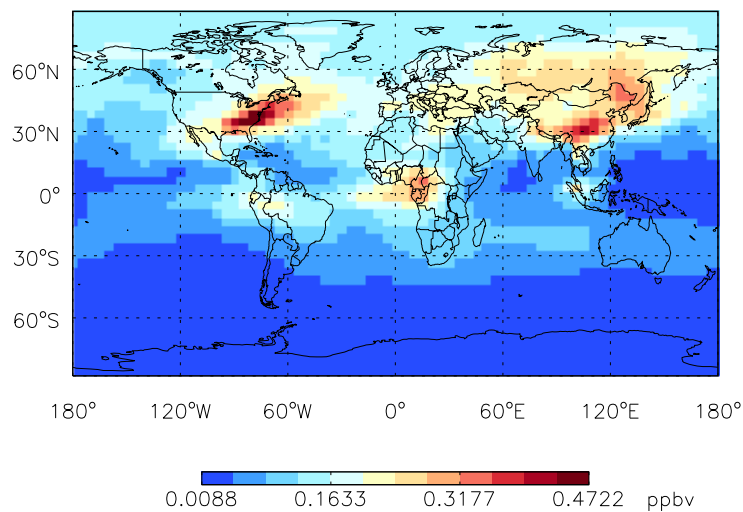
Tracer Map @ 500 hPa – O3



Tracer Map @ Surface – PAN



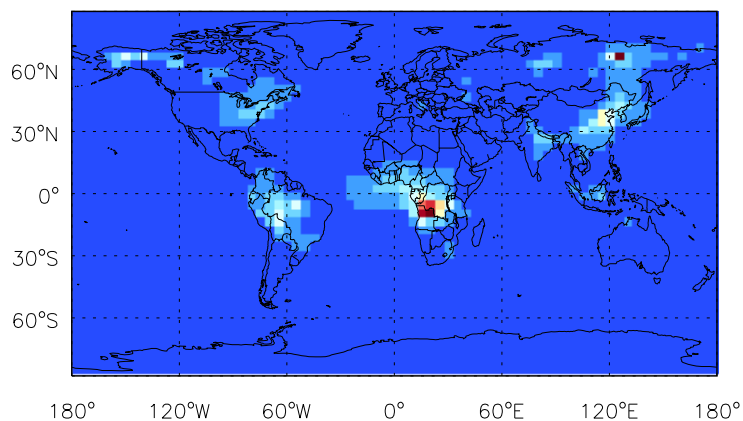
Tracer Map @ 500 hPa – PAN



# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

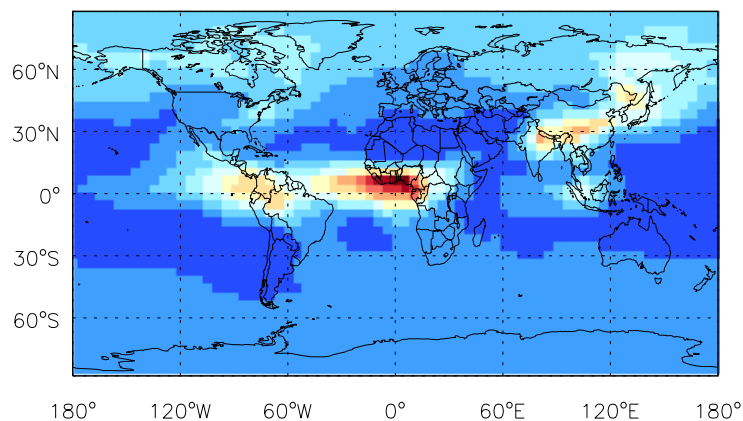
ctm.bpch.v9-02n

Tracer Map @ Surface - CO



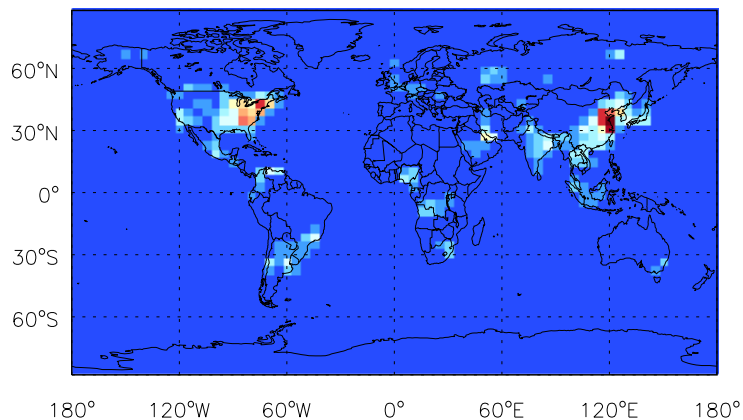
58.3422 356.3389 654.3356 952.3322 ppbv

Tracer Map @ 500 hPa - CO



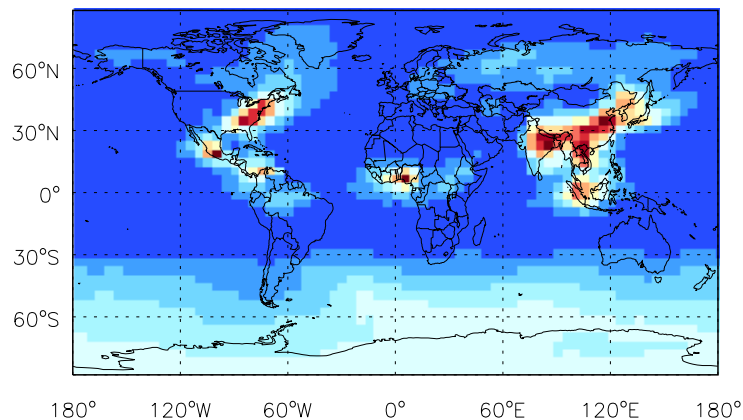
57.7387 89.2553 120.7719 152.2885 ppbv

Tracer Map @ Surface - ALK4



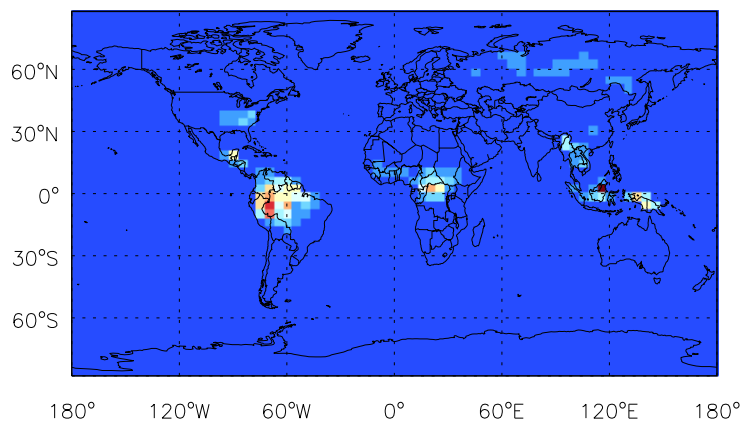
0.0009 5.2704 10.5399 15.8094 ppbC

Tracer Map @ 500 hPa - ALK4



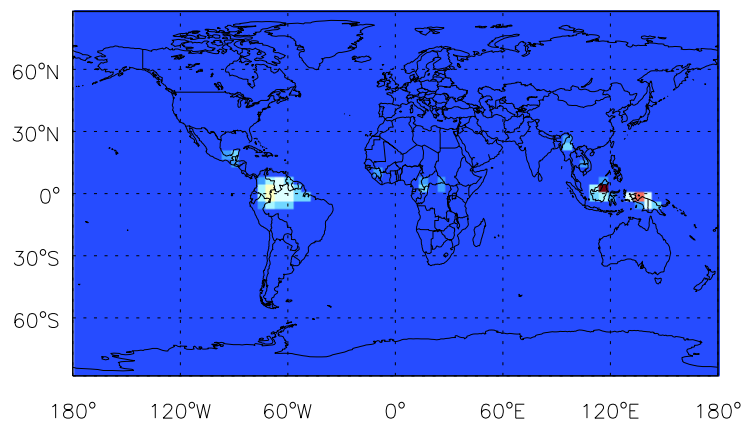
0.0014 0.1764 0.3515 0.5265 ppbC

Tracer Map @ Surface - ISOP



0.0000 20.4848 40.9696 61.4544 ppbC

Tracer Map @ 500 hPa - ISOP

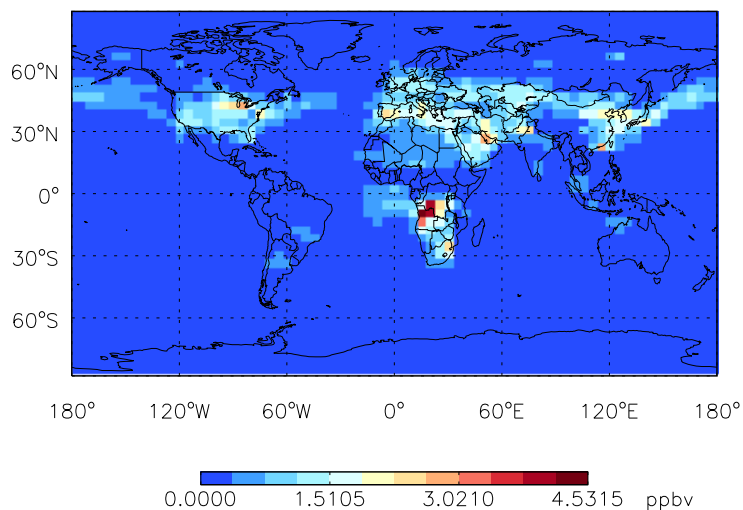


0.0000 0.5829 1.1658 1.7487 ppbC

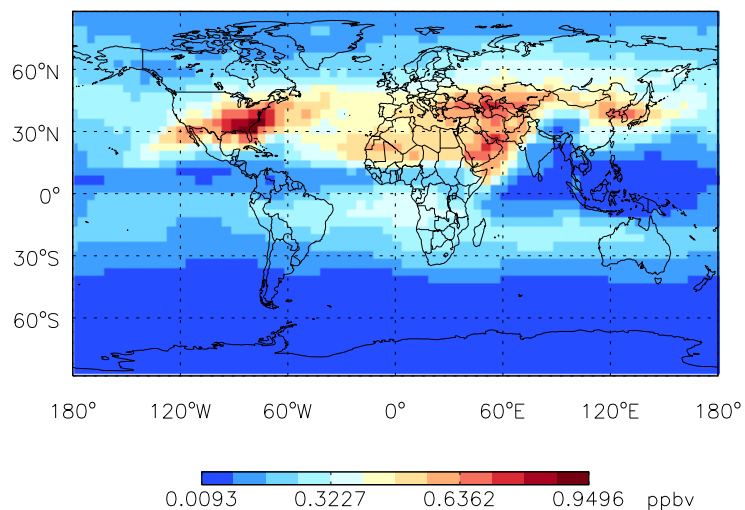
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

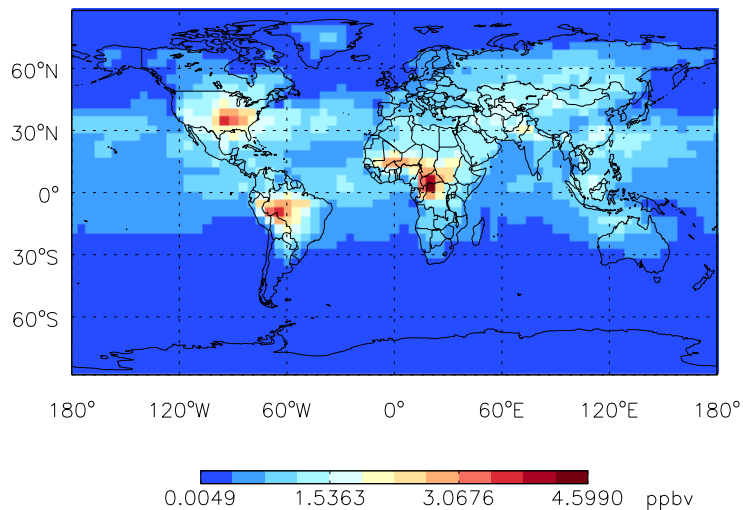
Tracer Map @ Surface – HN03



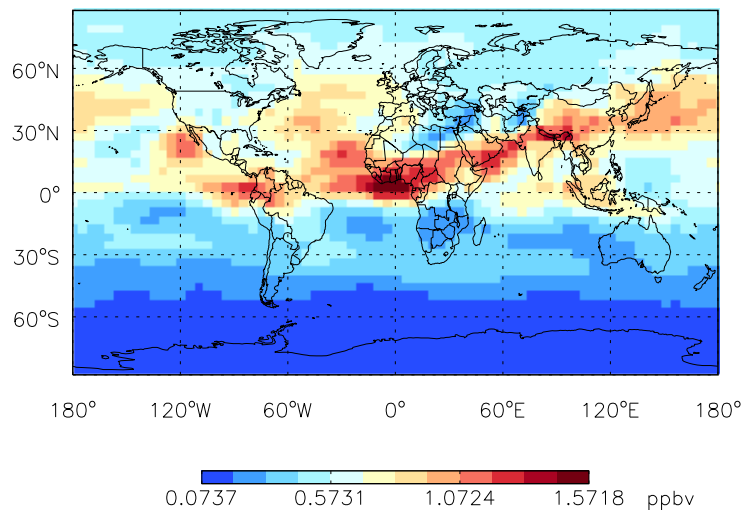
Tracer Map @ 500 hPa – HN03



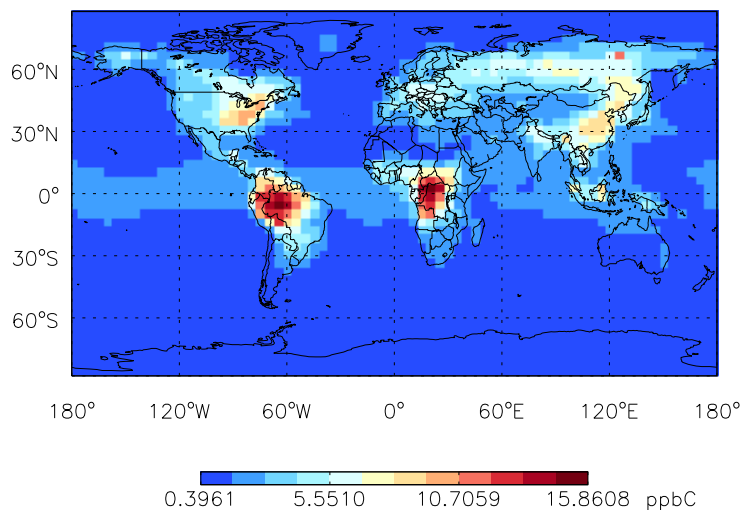
Tracer Map @ Surface – H2O2



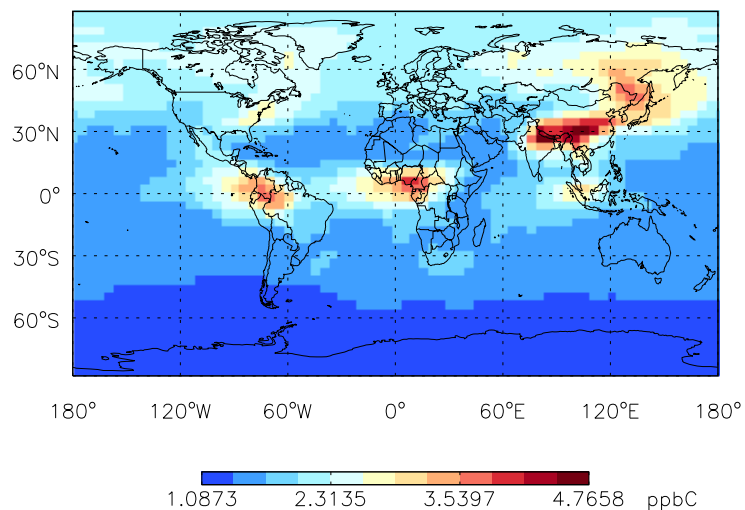
Tracer Map @ 500 hPa – H2O2



Tracer Map @ Surface – ACET



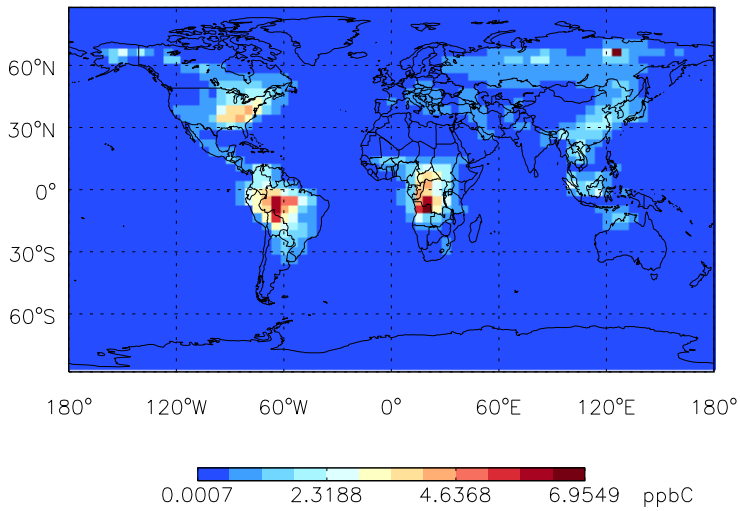
Tracer Map @ 500 hPa – ACET



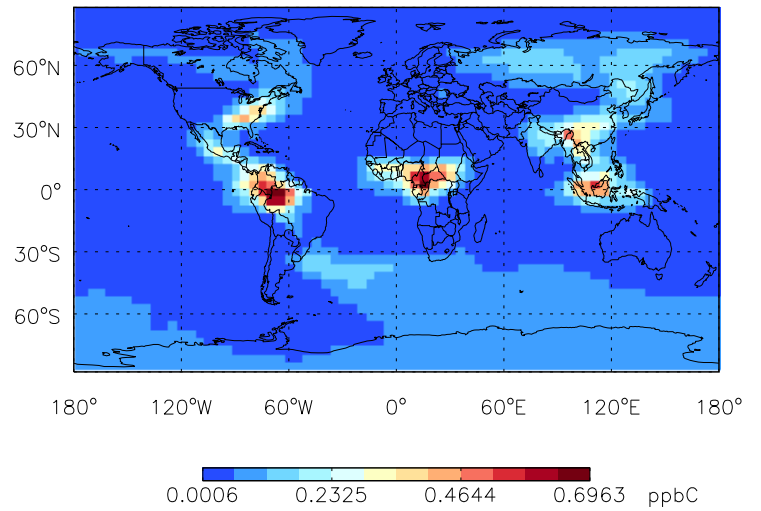
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

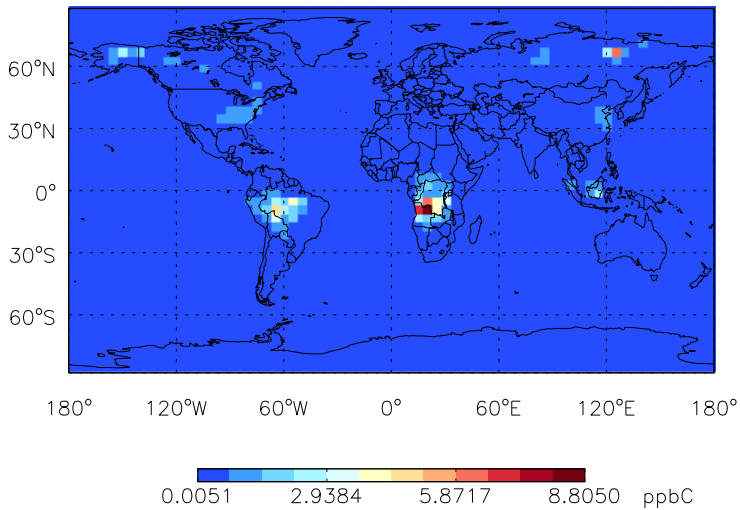
Tracer Map @ Surface – MEK



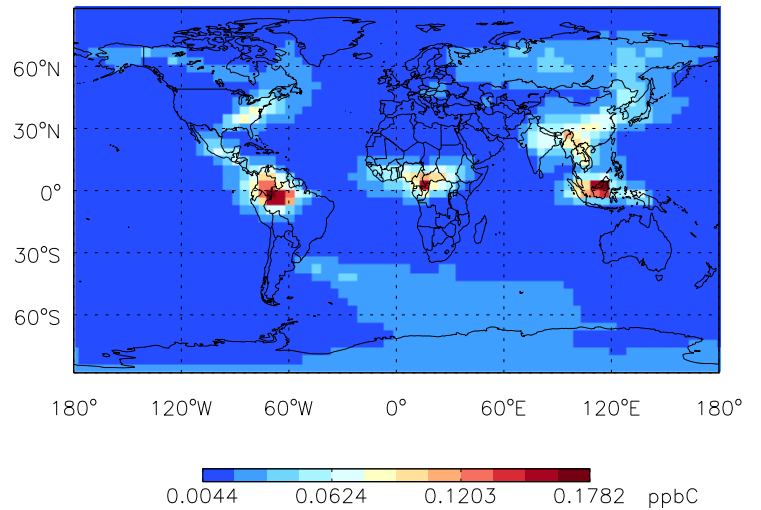
Tracer Map @ 500 hPa – MEK



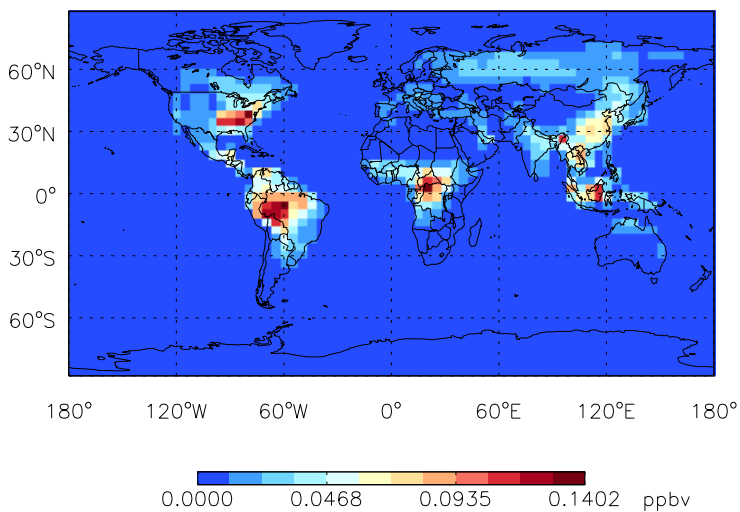
Tracer Map @ Surface – ALD2



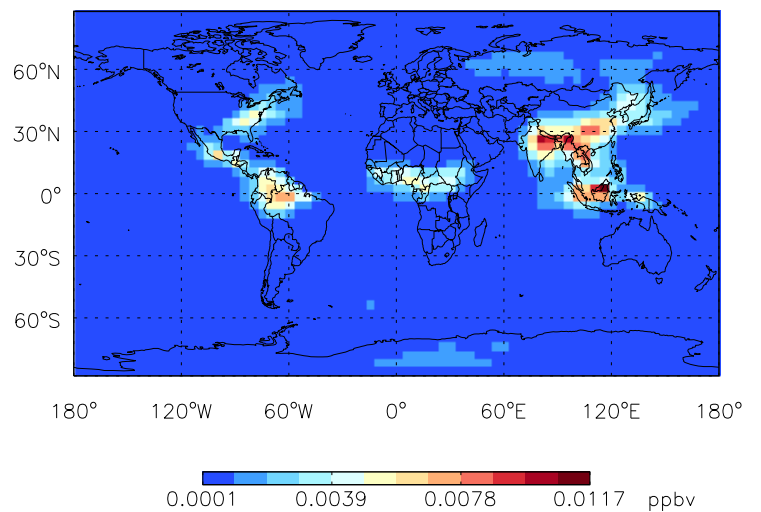
Tracer Map @ 500 hPa – ALD2



Tracer Map @ Surface – RCHO



Tracer Map @ 500 hPa – RCHO

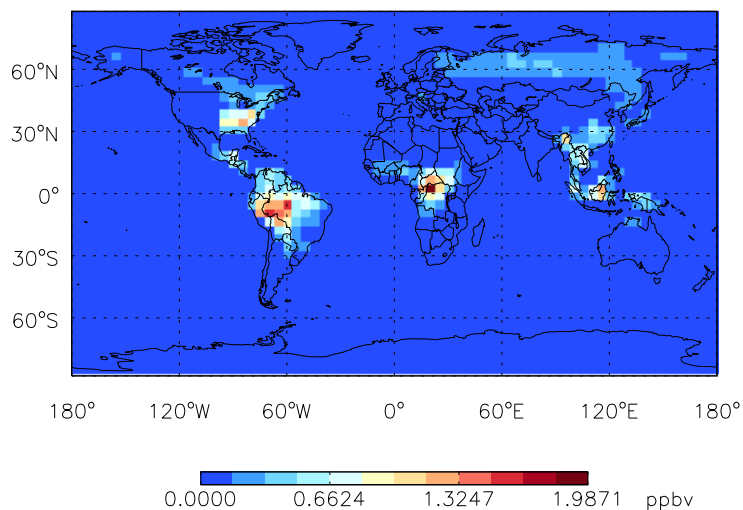




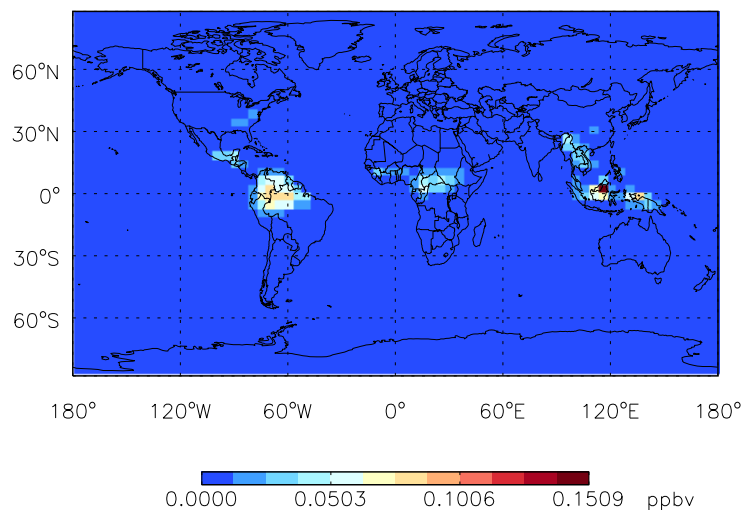
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

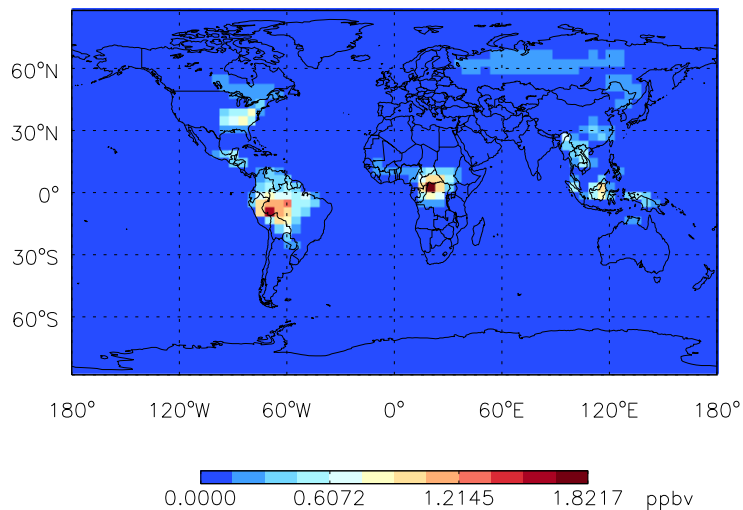
Tracer Map @ Surface – MVK



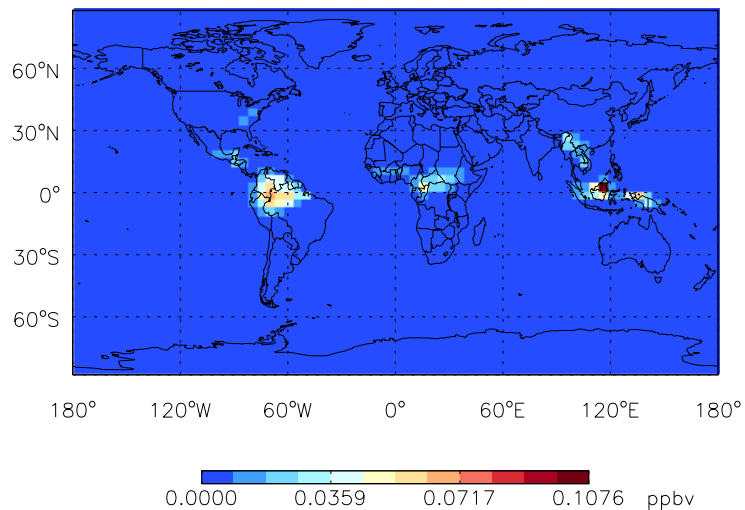
Tracer Map @ 500 hPa – MVK



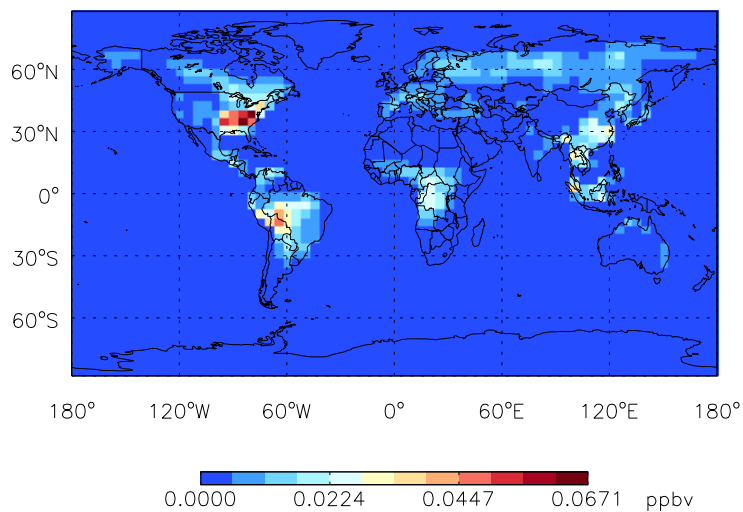
Tracer Map @ Surface – MACR



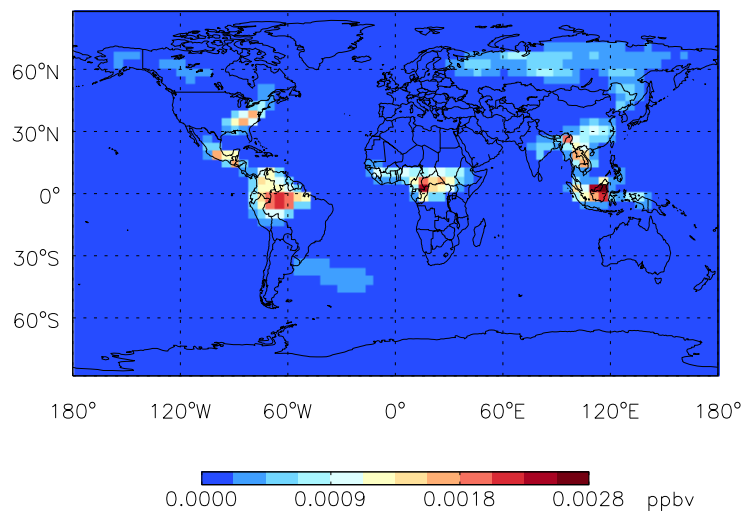
Tracer Map @ 500 hPa – MACR



Tracer Map @ Surface – PMN



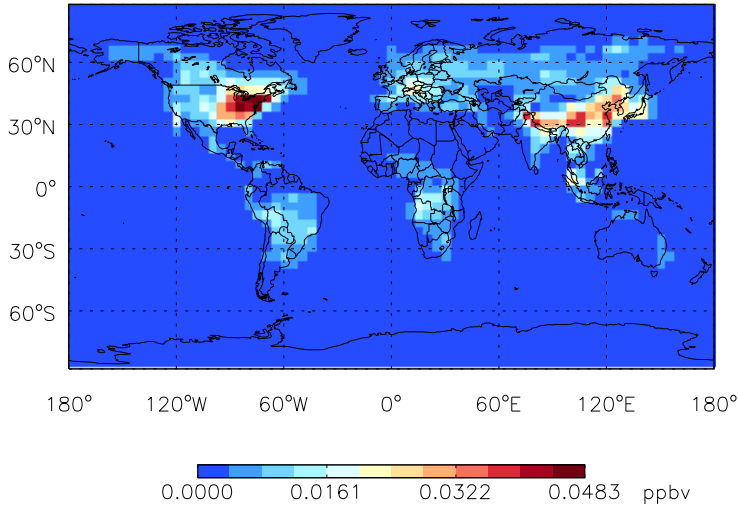
Tracer Map @ 500 hPa – PMN



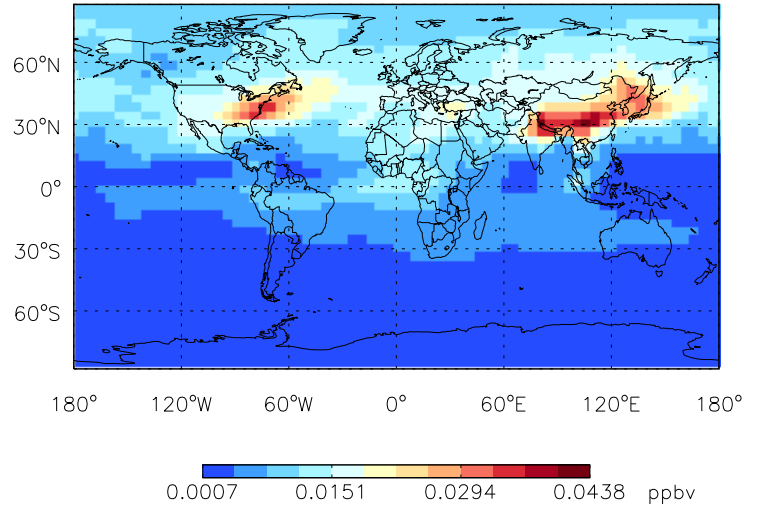
GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

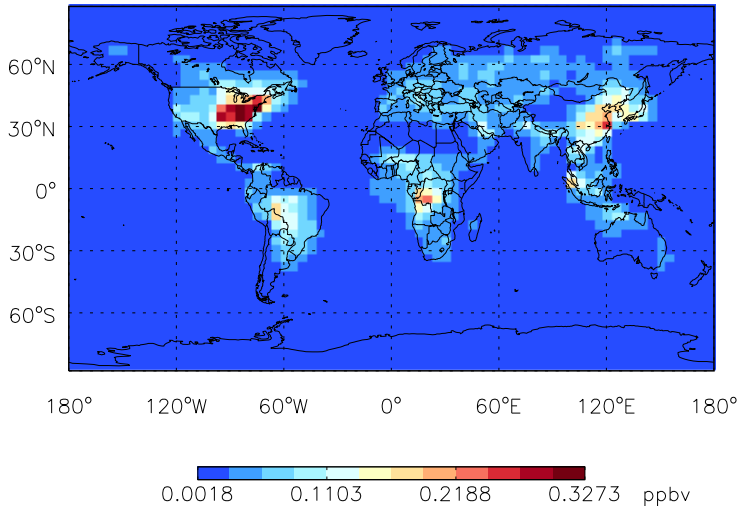
Tracer Map @ Surface – PPN



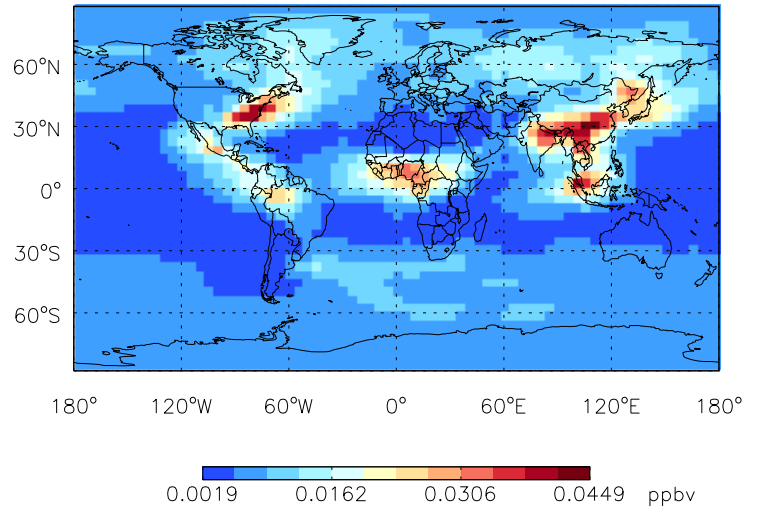
Tracer Map @ 500 hPa – PPN



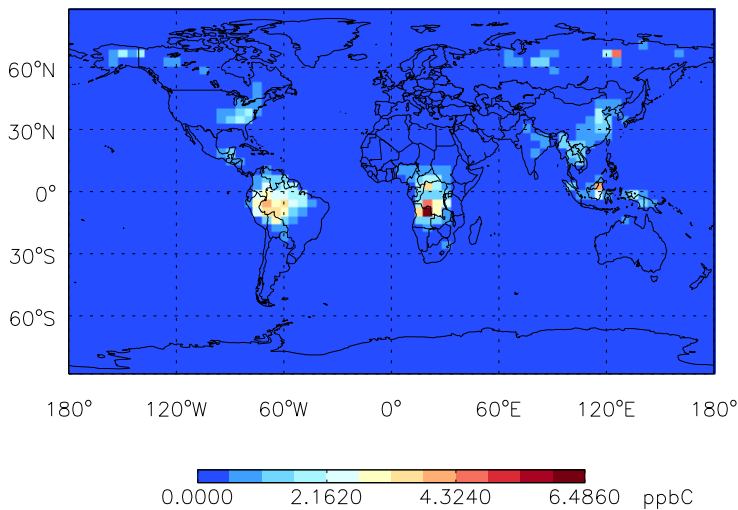
Tracer Map @ Surface – R4N2



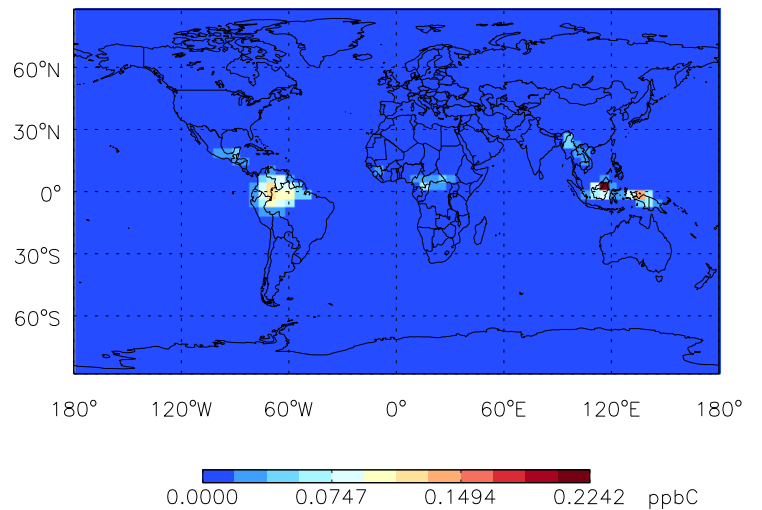
Tracer Map @ 500 hPa – R4N2



Tracer Map @ Surface – PRPE



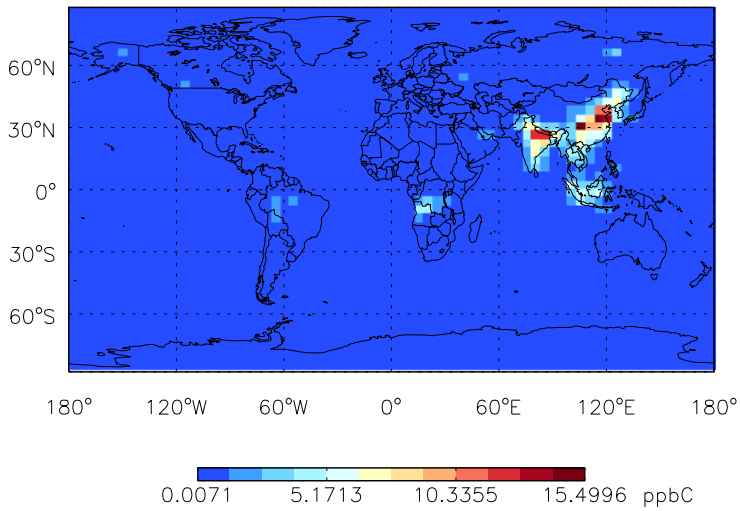
Tracer Map @ 500 hPa – PRPE



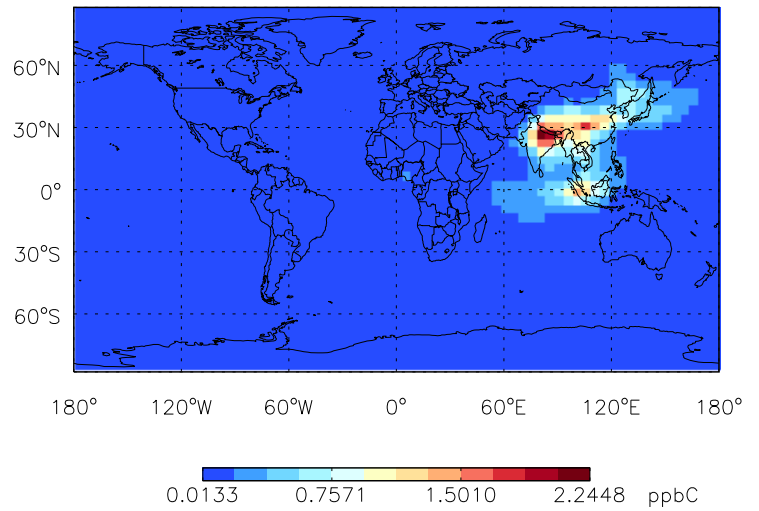
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

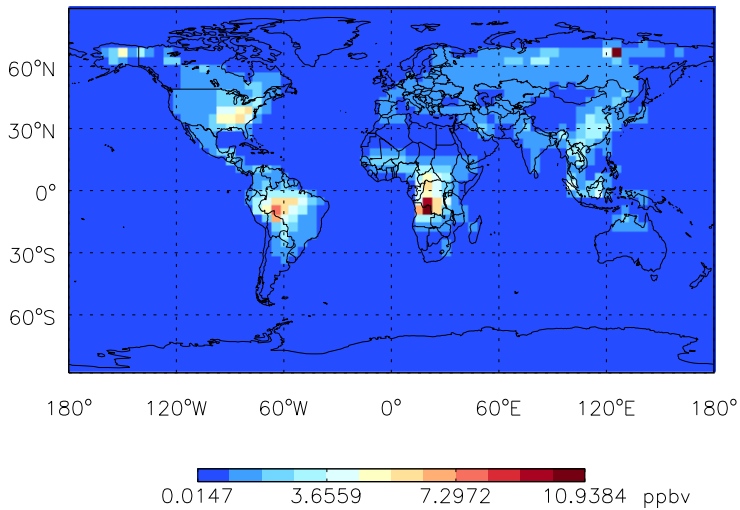
Tracer Map @ Surface – C3H8



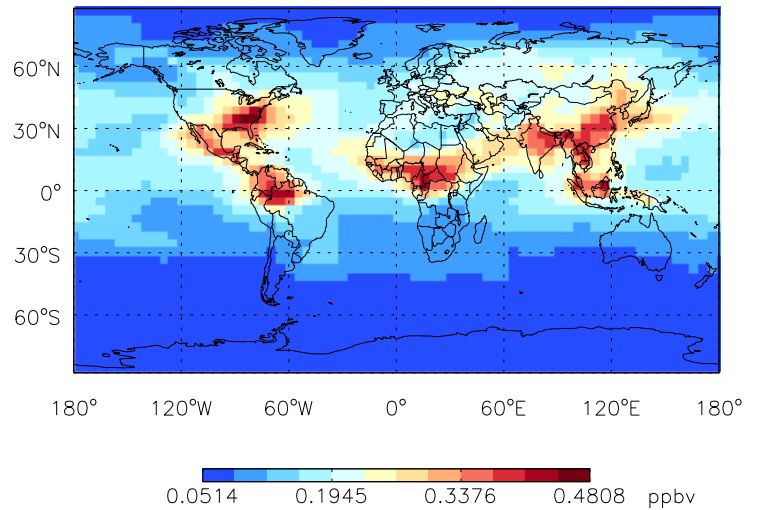
Tracer Map @ 500 hPa – C3H8



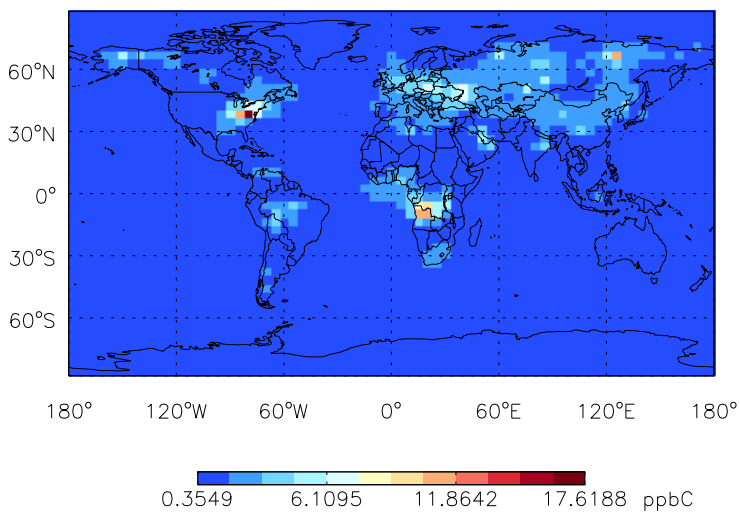
Tracer Map @ Surface – CH2O



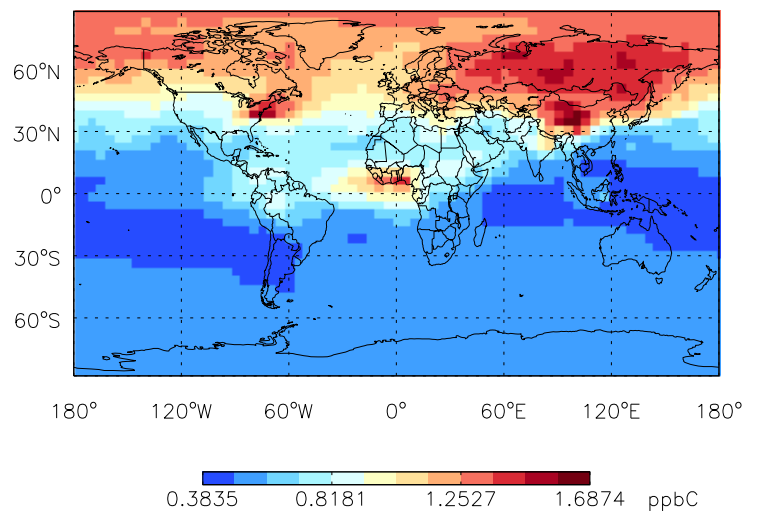
Tracer Map @ 500 hPa – CH2O



Tracer Map @ Surface – C2H6



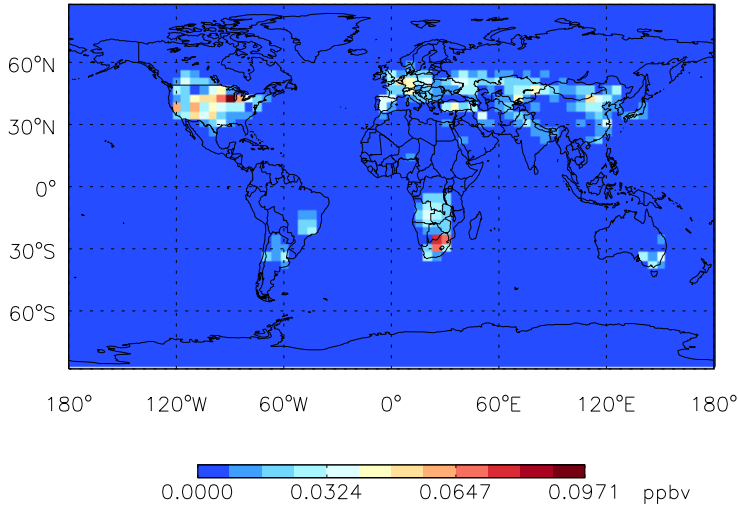
Tracer Map @ 500 hPa – C2H6



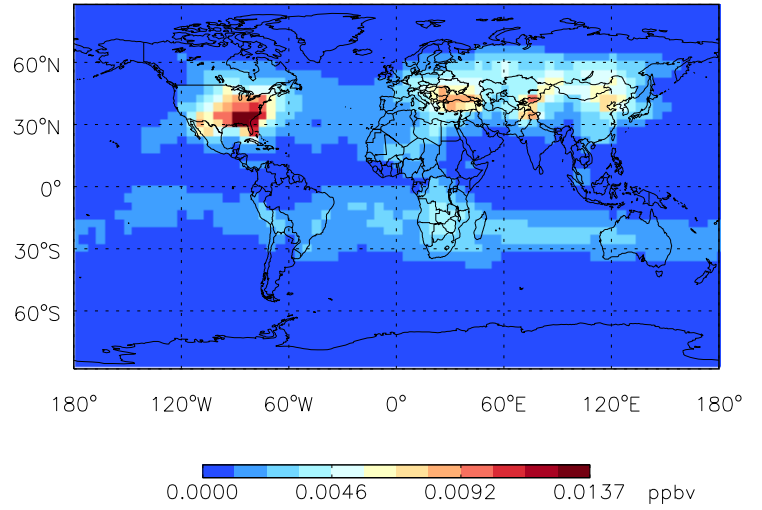
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

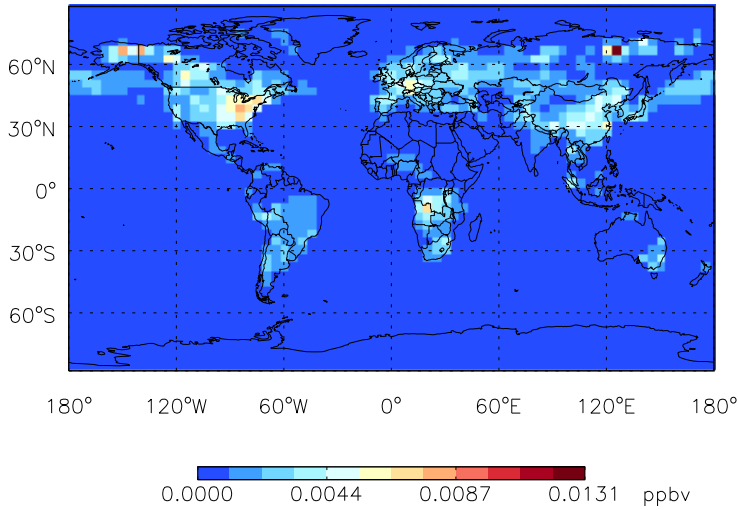
Tracer Map @ Surface – N2O5



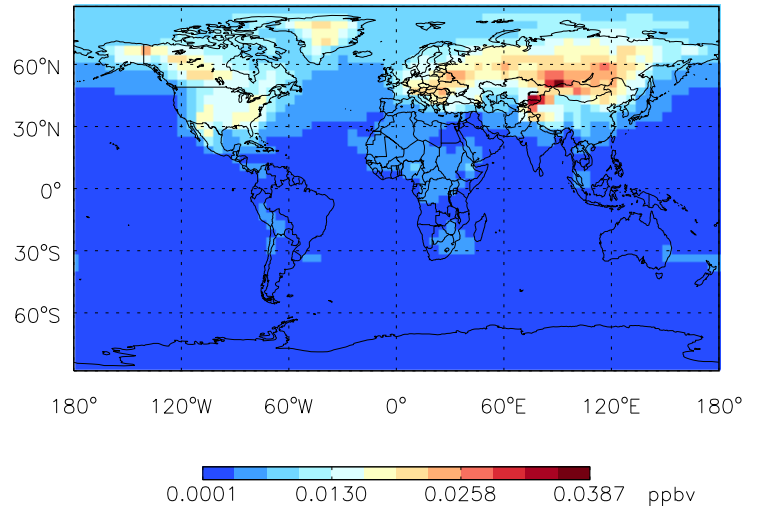
Tracer Map @ 500 hPa – N2O5



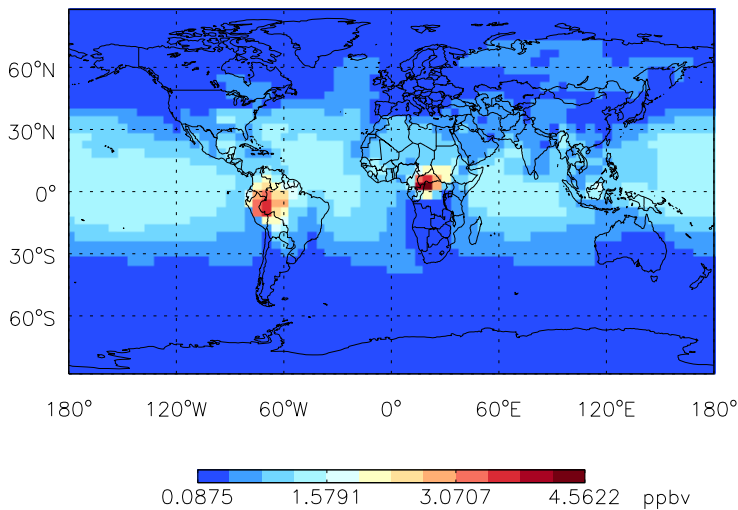
Tracer Map @ Surface – HN04



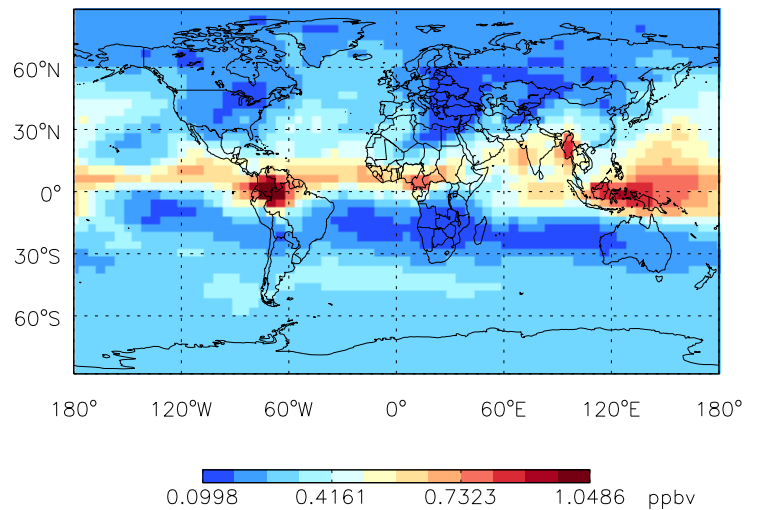
Tracer Map @ 500 hPa – HN04



Tracer Map @ Surface – MP



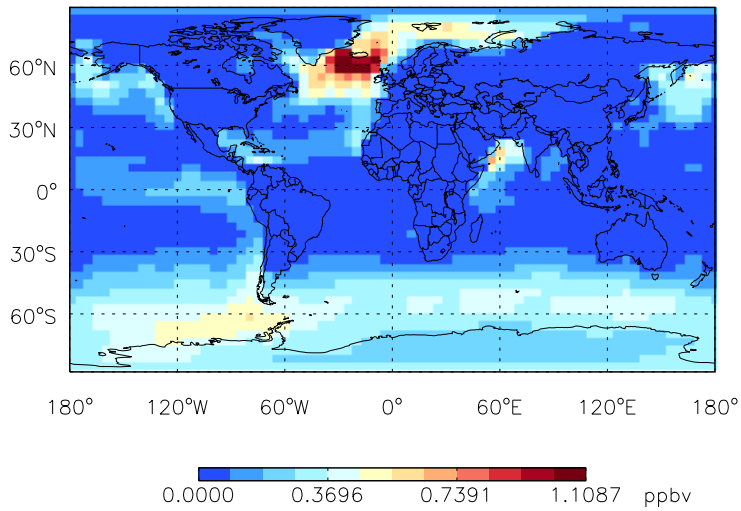
Tracer Map @ 500 hPa – MP



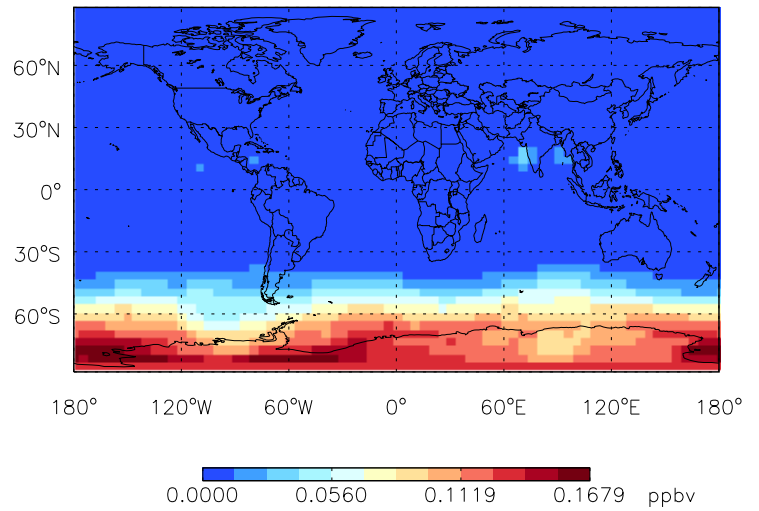
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

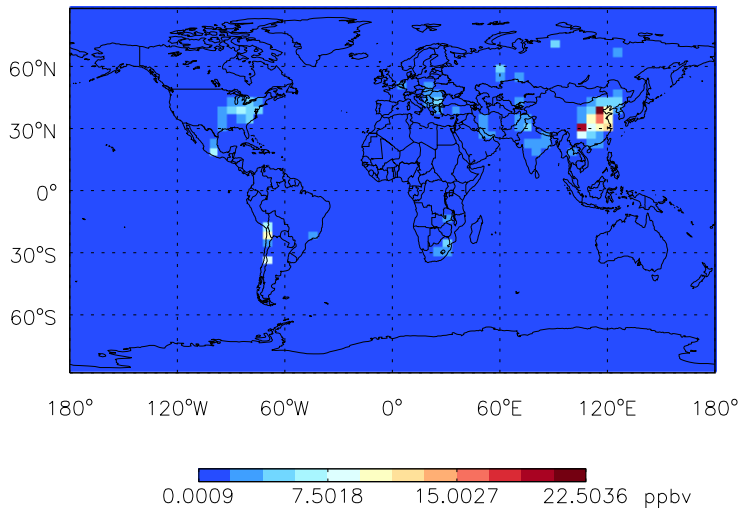
Tracer Map @ Surface – DMS



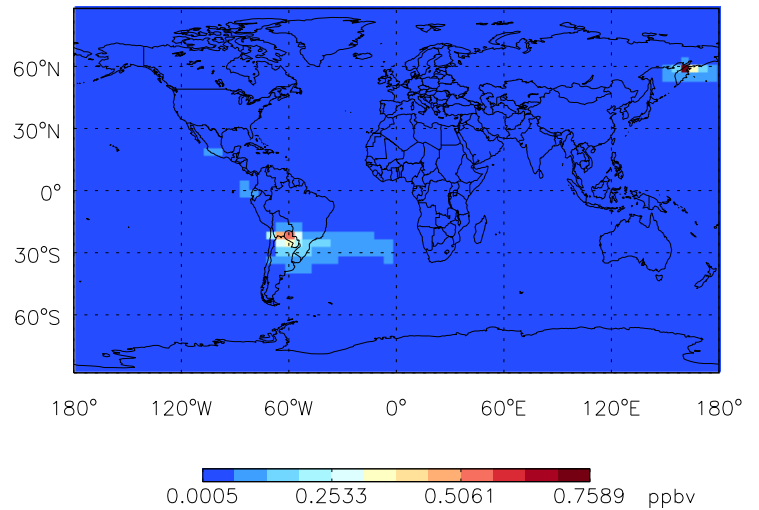
Tracer Map @ 500 hPa – DMS



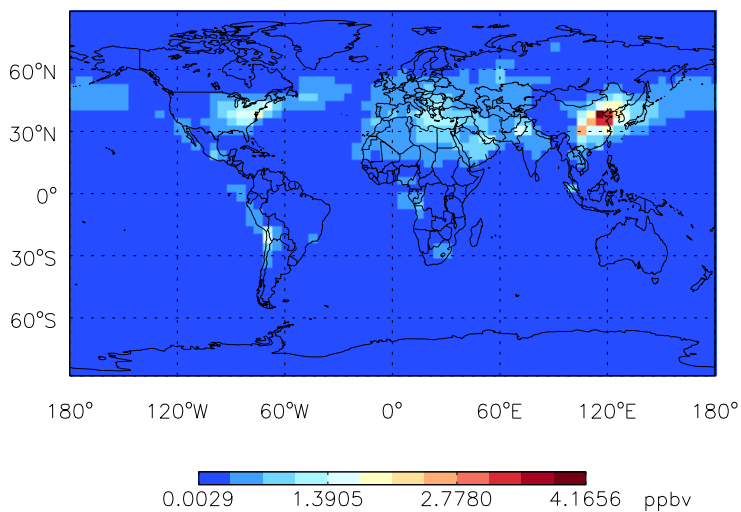
Tracer Map @ Surface – SO2



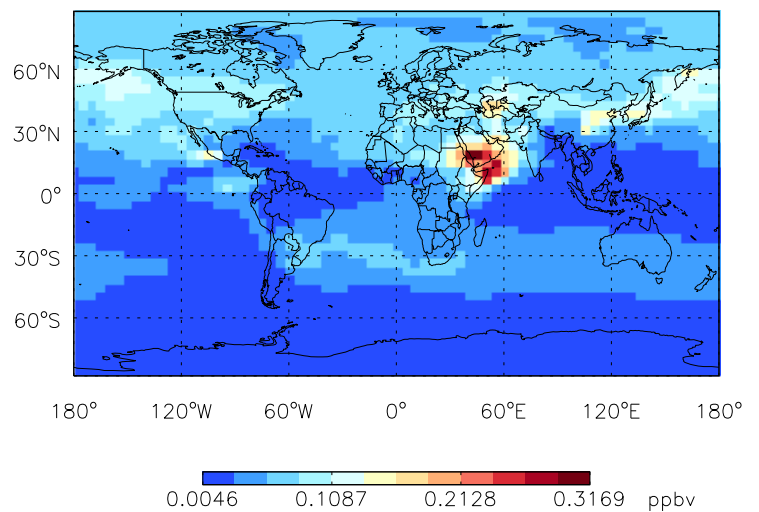
Tracer Map @ 500 hPa – SO2



Tracer Map @ Surface – SO4



Tracer Map @ 500 hPa – SO4

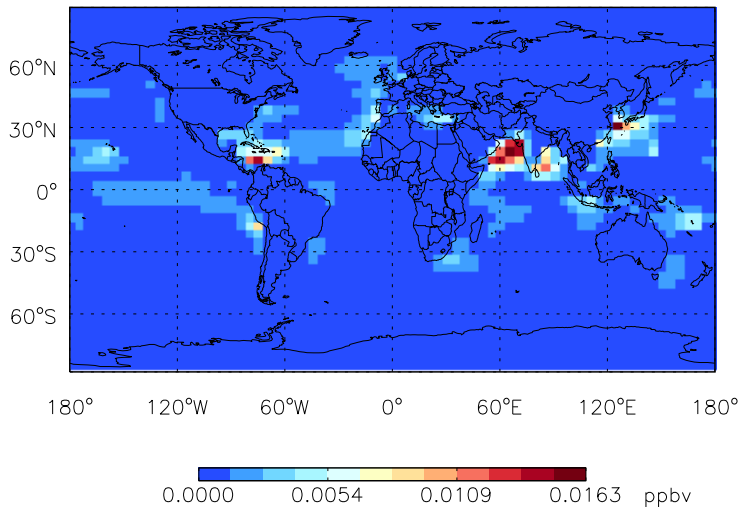




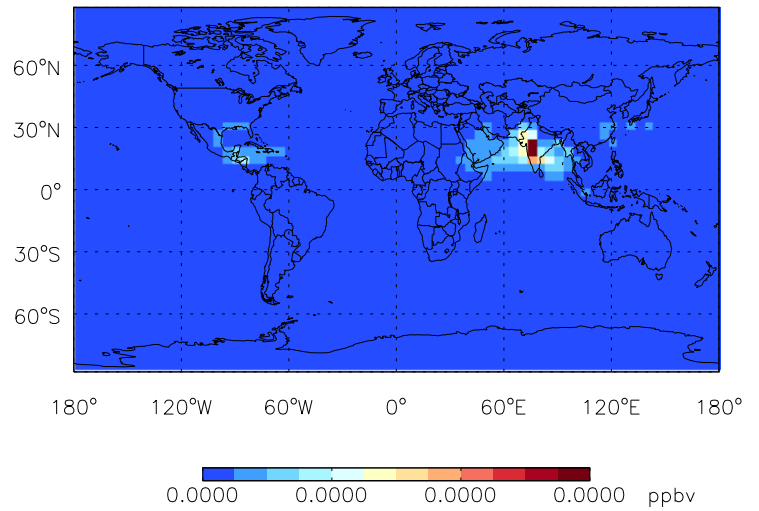
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

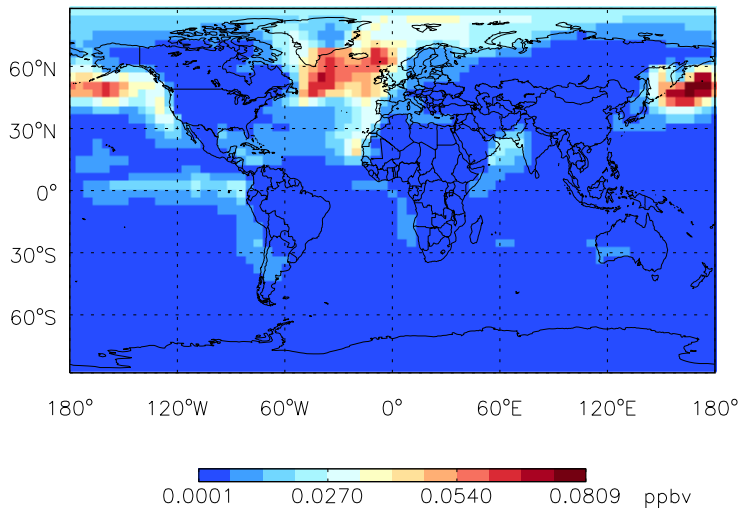
Tracer Map @ Surface – SO<sub>4</sub>s



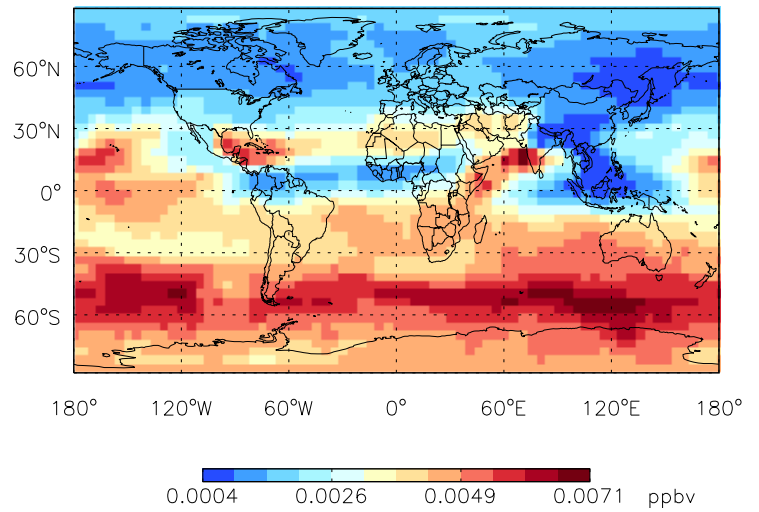
Tracer Map @ 500 hPa – SO<sub>4</sub>s



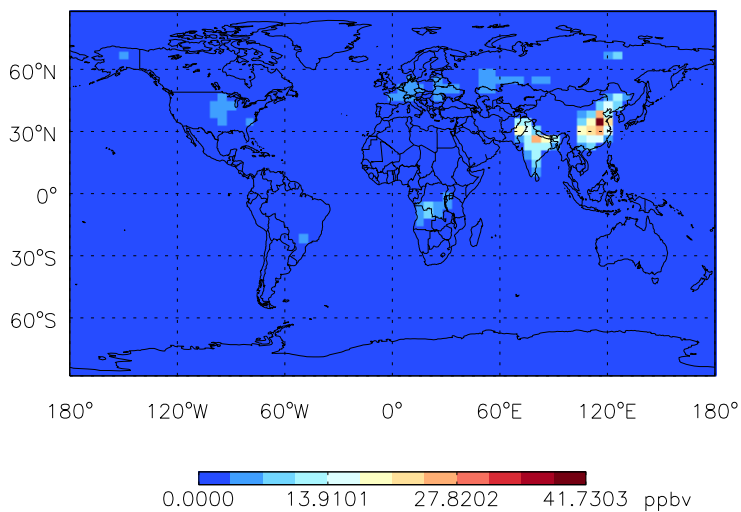
Tracer Map @ Surface – MSA



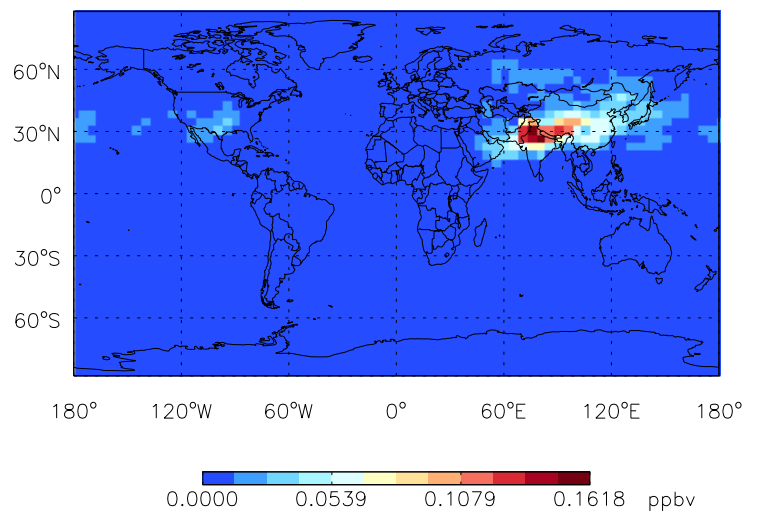
Tracer Map @ 500 hPa – MSA



Tracer Map @ Surface – NH<sub>3</sub>



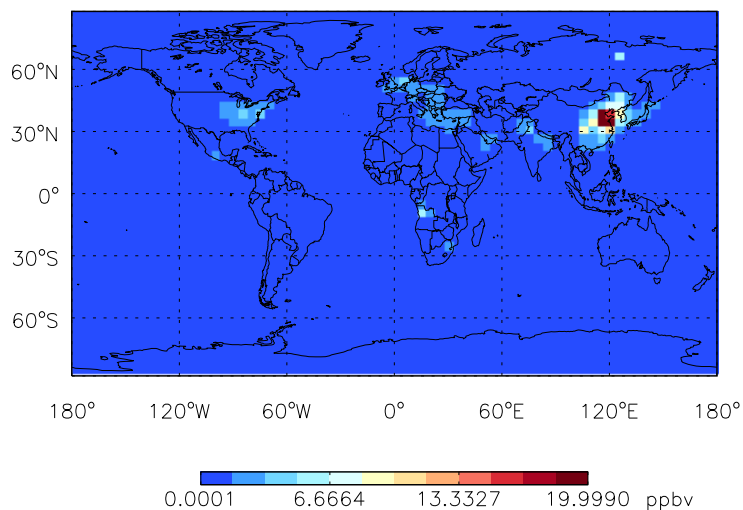
Tracer Map @ 500 hPa – NH<sub>3</sub>



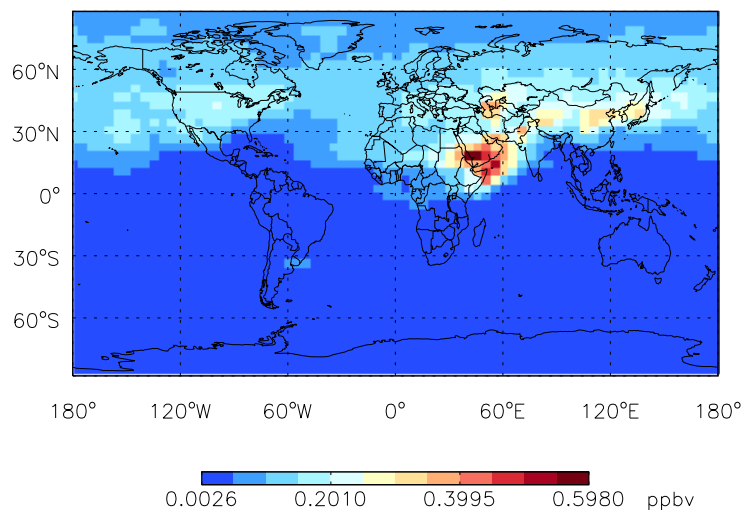
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

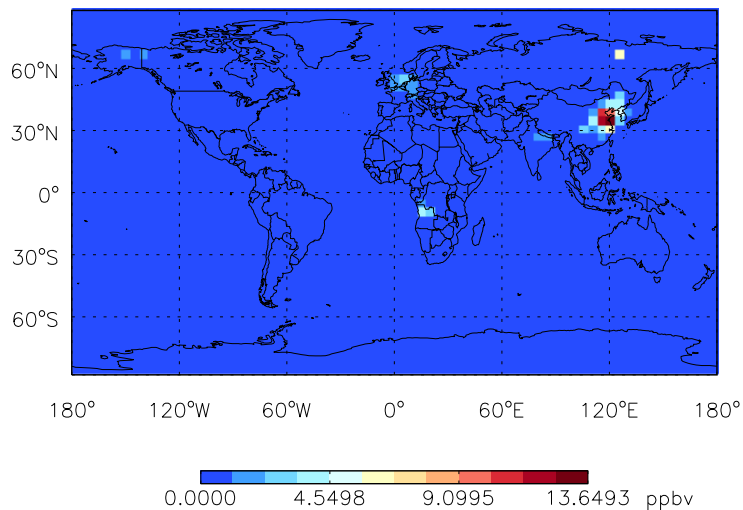
Tracer Map @ Surface – NH4



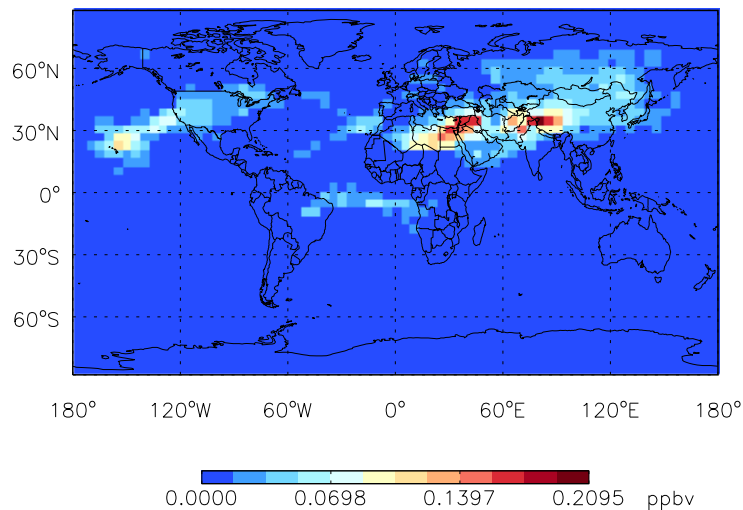
Tracer Map @ 500 hPa – NH4



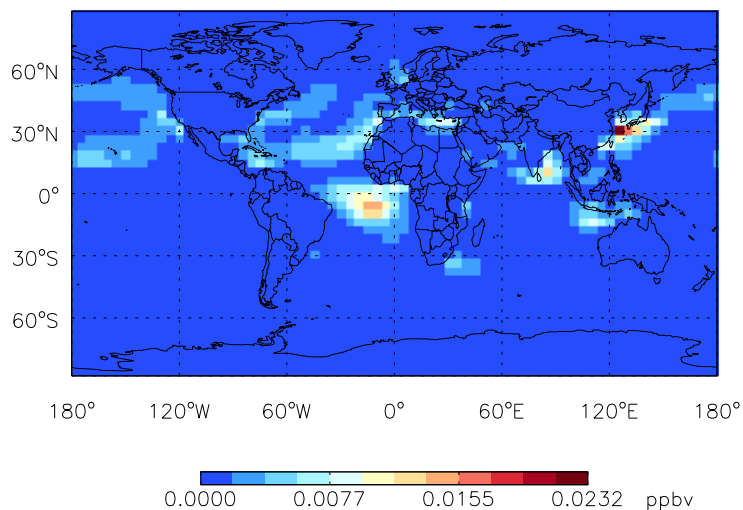
Tracer Map @ Surface – NIT



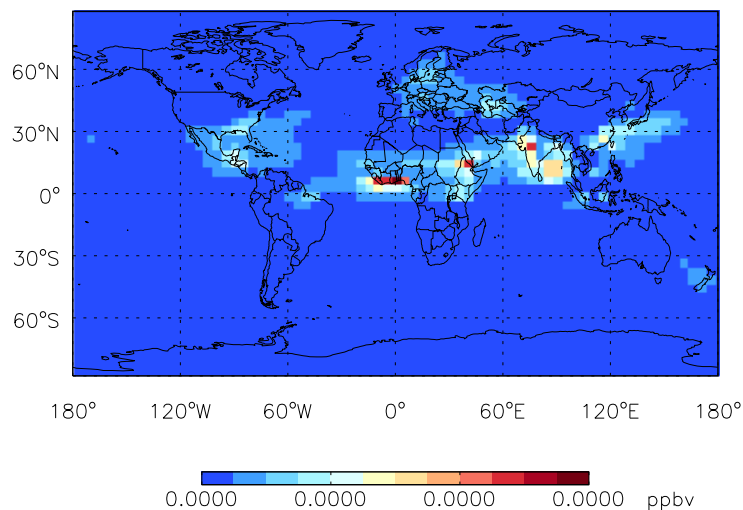
Tracer Map @ 500 hPa – NIT



Tracer Map @ Surface – NITs



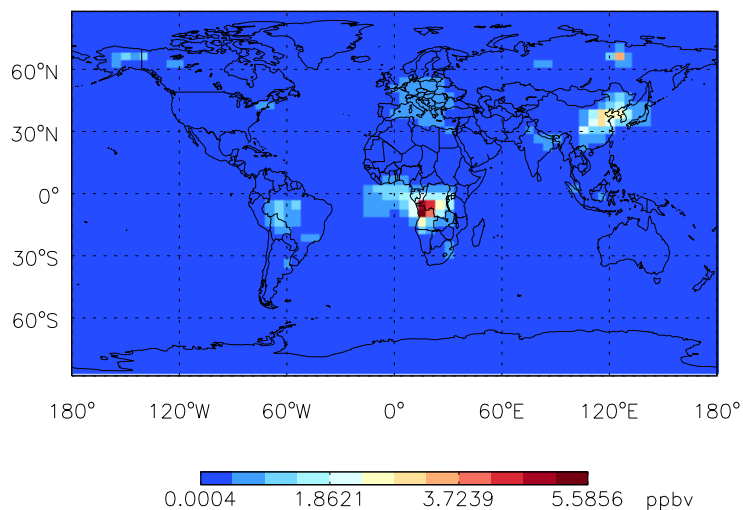
Tracer Map @ 500 hPa – NITs



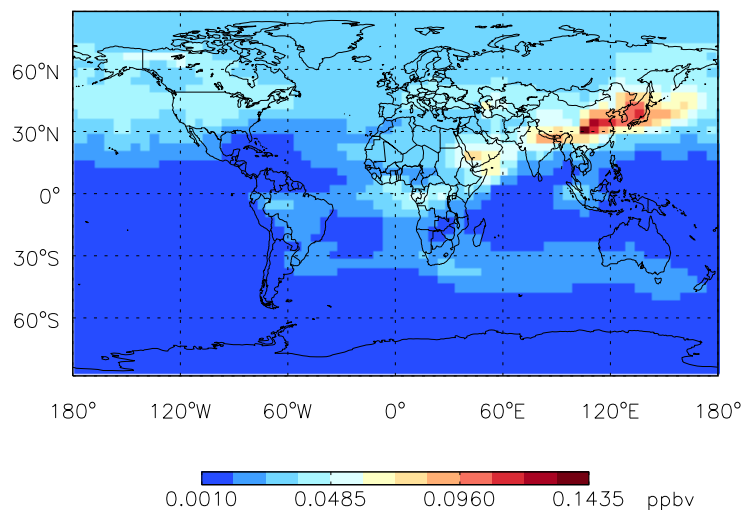
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

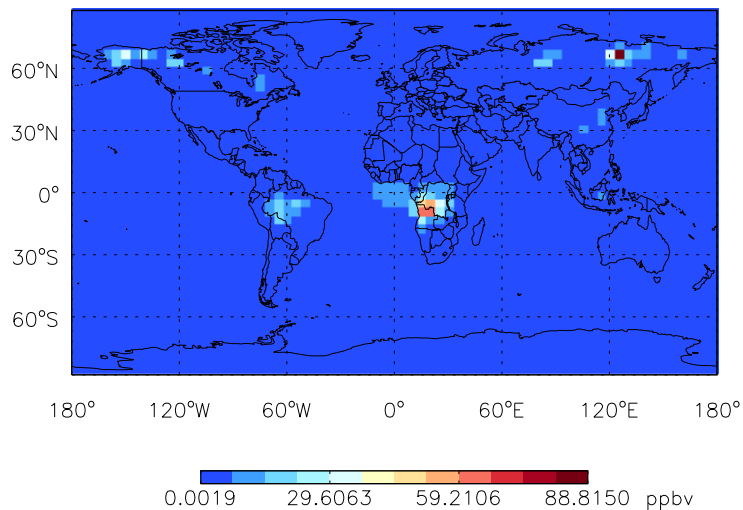
Tracer Map @ Surface – BCPI



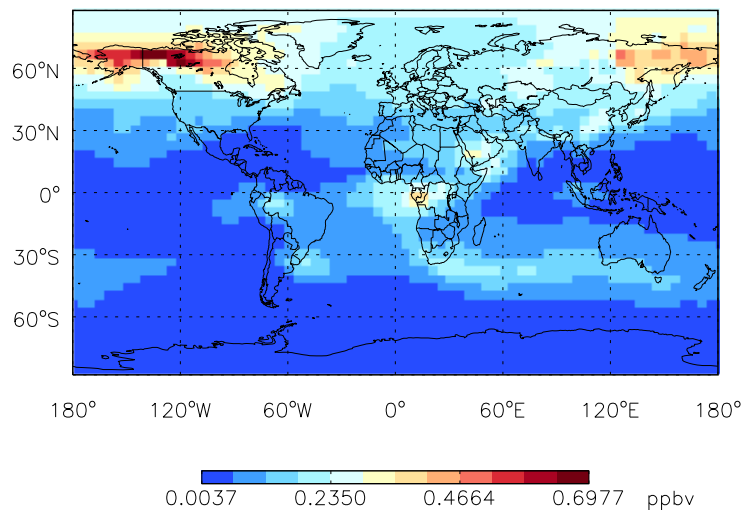
Tracer Map @ 500 hPa – BCPI



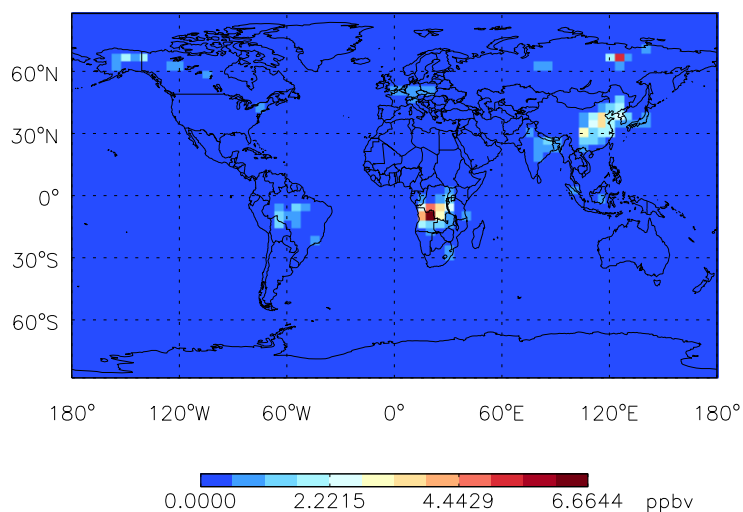
Tracer Map @ Surface – OCPI



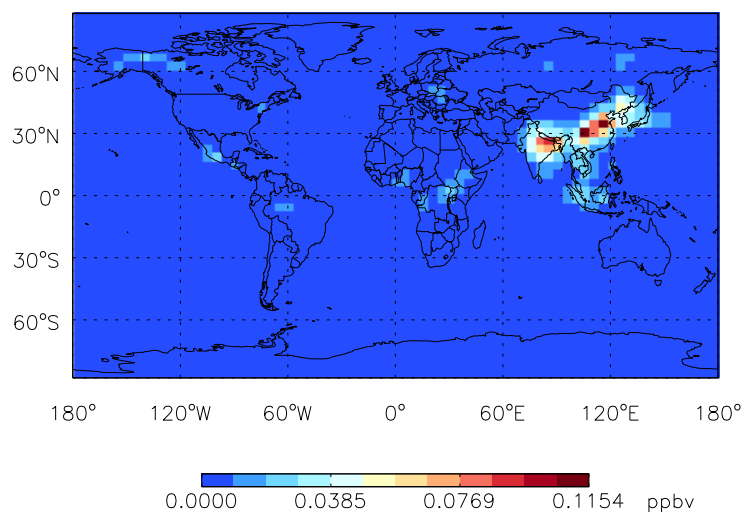
Tracer Map @ 500 hPa – OCPI



Tracer Map @ Surface – BCPO



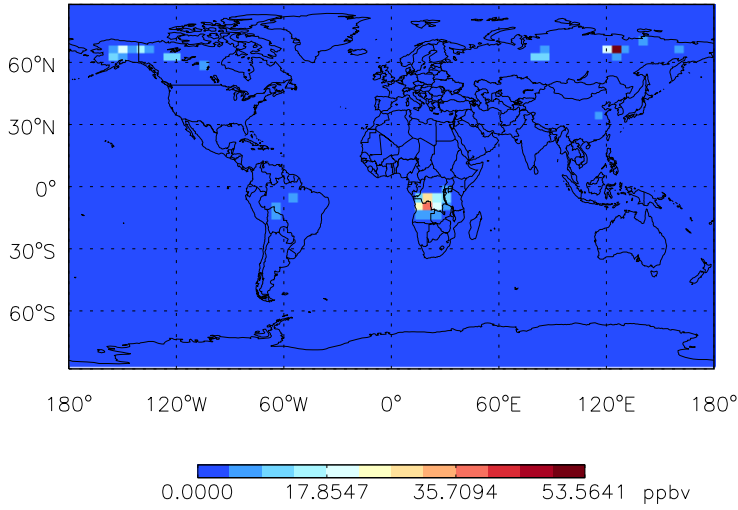
Tracer Map @ 500 hPa – BCPO



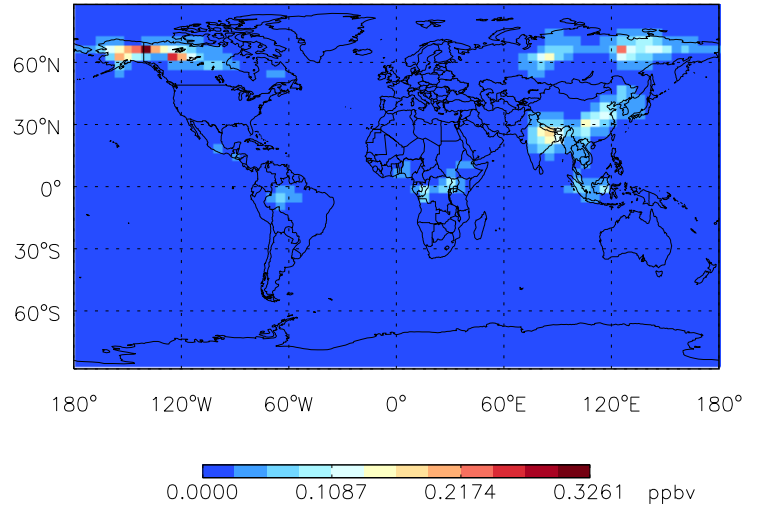
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

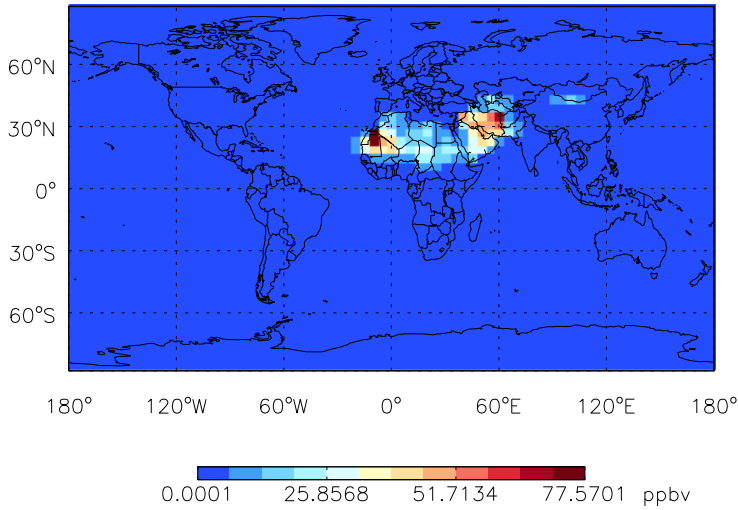
Tracer Map @ Surface – OCPO



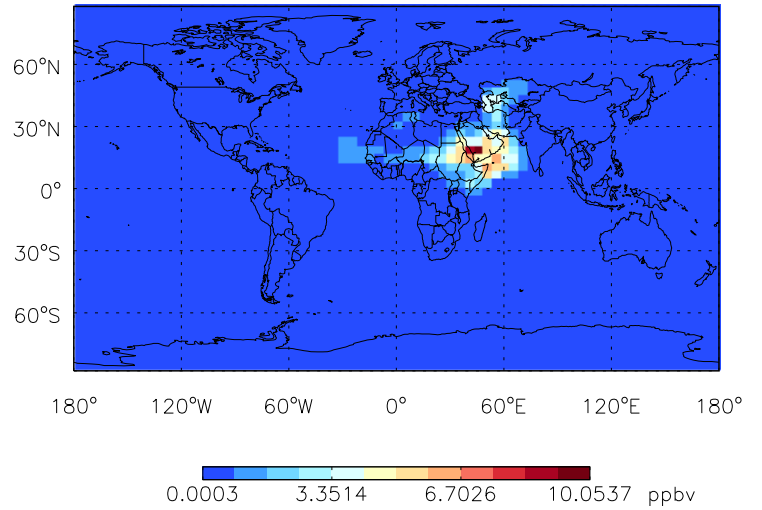
Tracer Map @ 500 hPa – OCPO



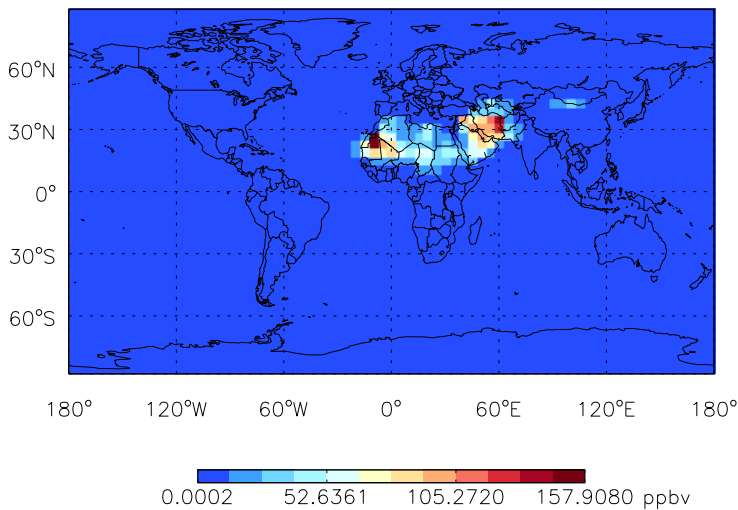
Tracer Map @ Surface – DST1



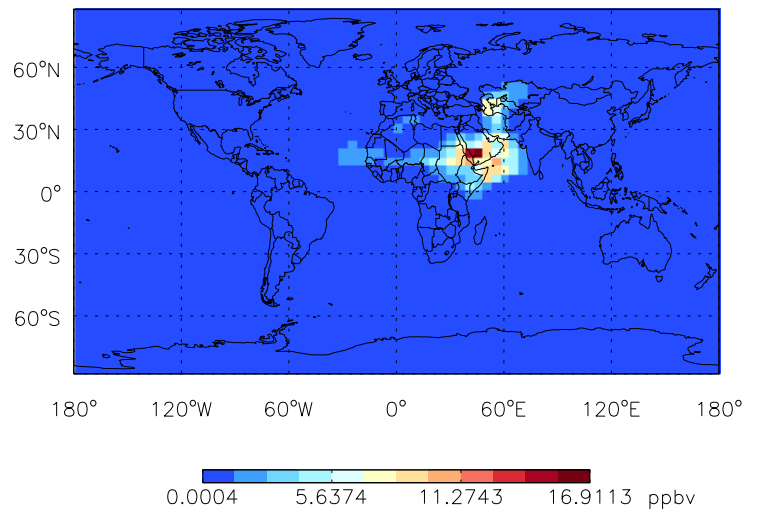
Tracer Map @ 500 hPa – DST1



Tracer Map @ Surface – DST2



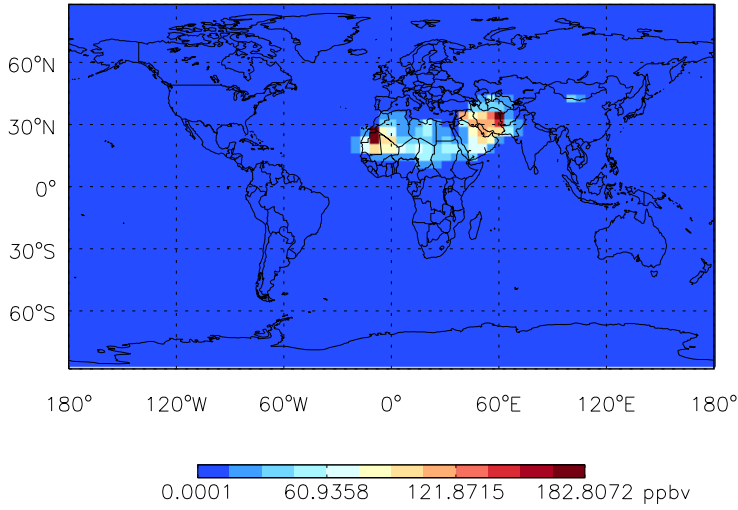
Tracer Map @ 500 hPa – DST2



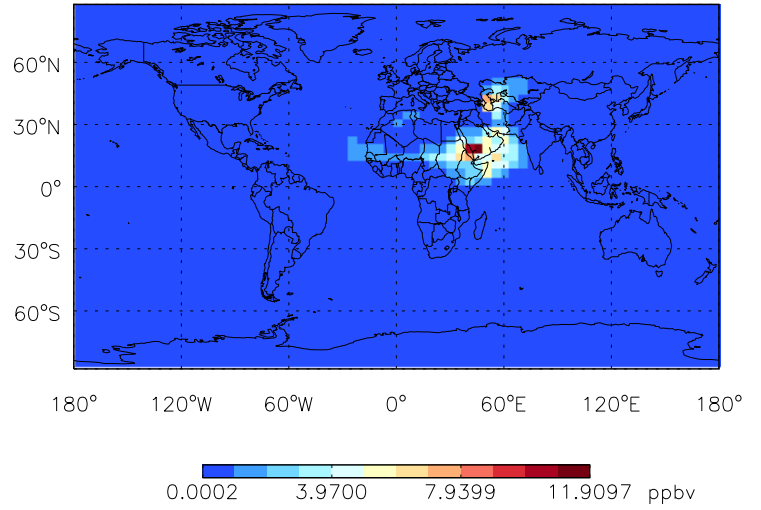
GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

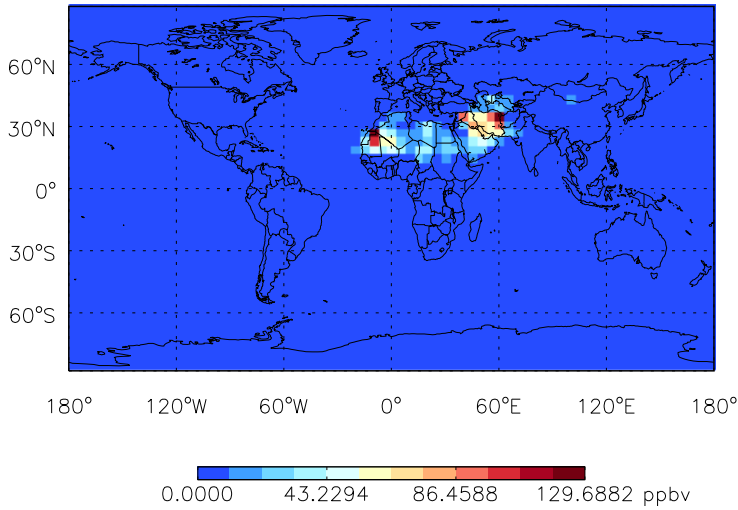
Tracer Map @ Surface – DST3



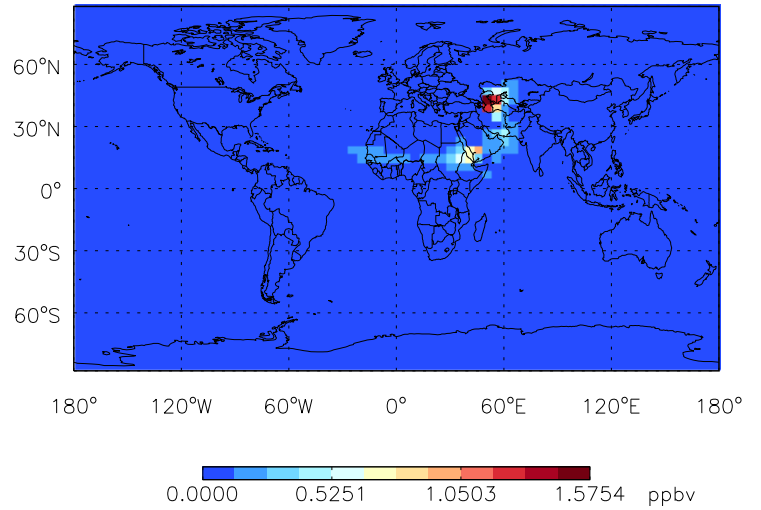
Tracer Map @ 500 hPa – DST3



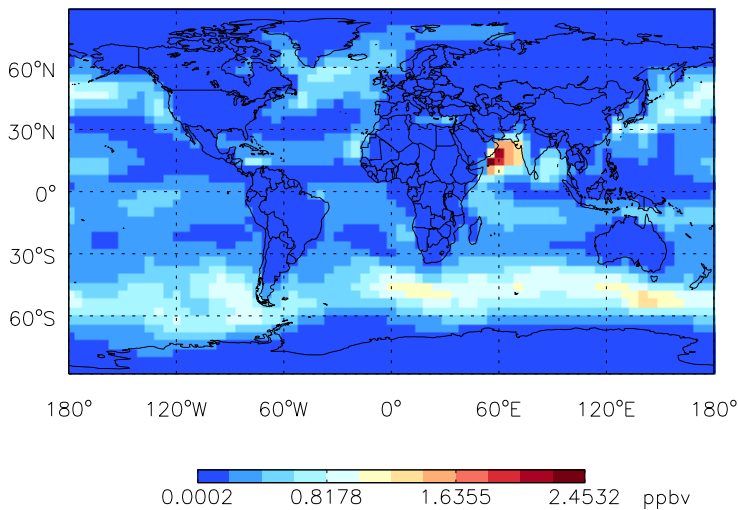
Tracer Map @ Surface – DST4



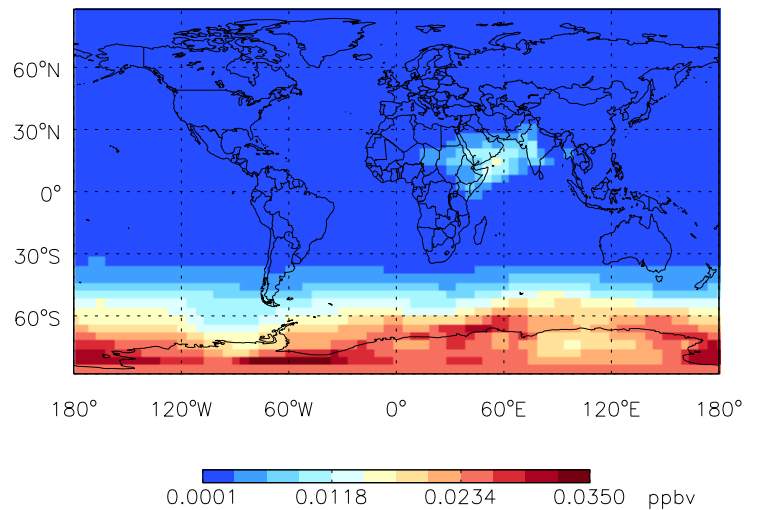
Tracer Map @ 500 hPa – DST4



Tracer Map @ Surface – SALA



Tracer Map @ 500 hPa – SALA

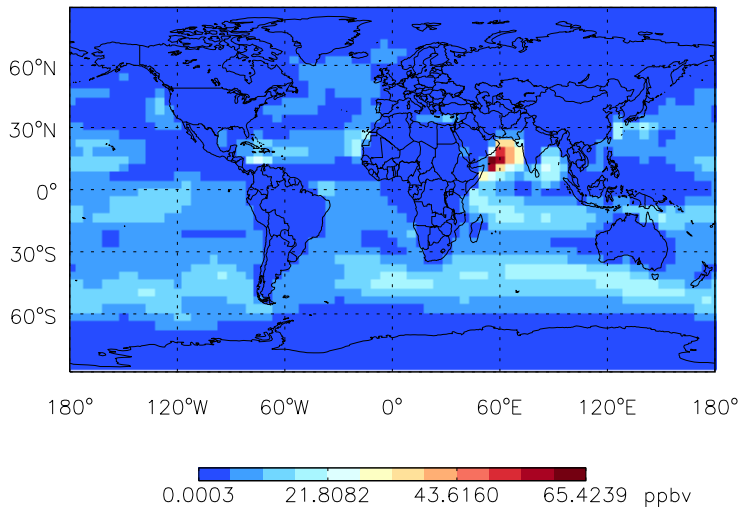




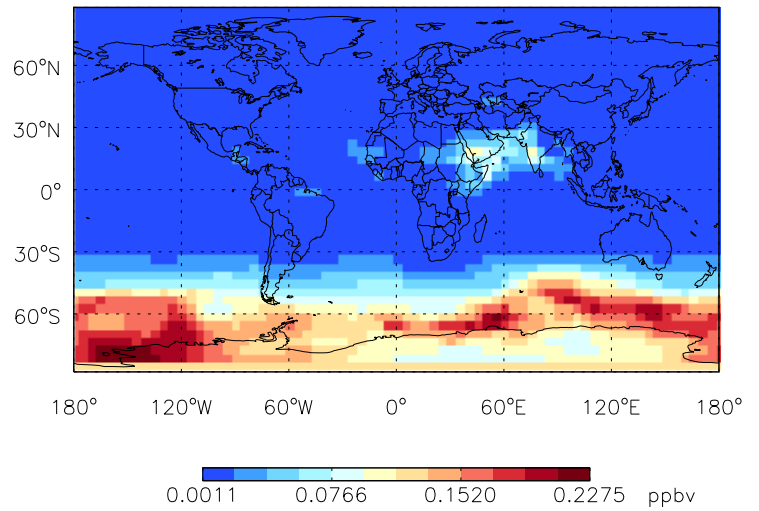
GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

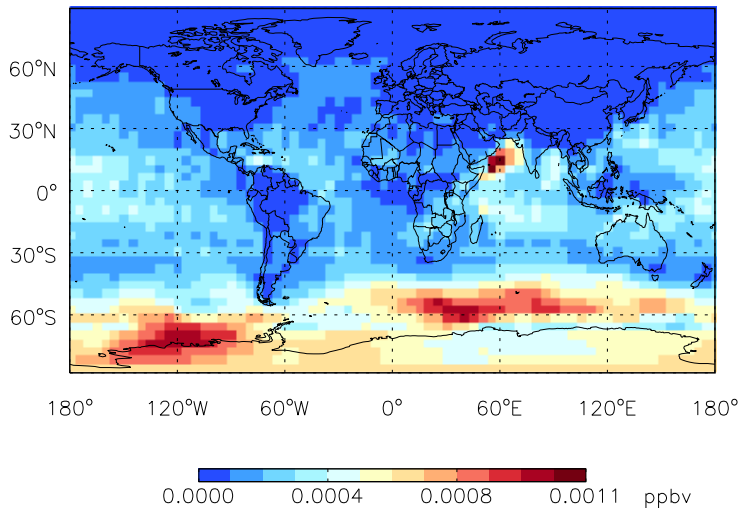
Tracer Map @ Surface – SALC



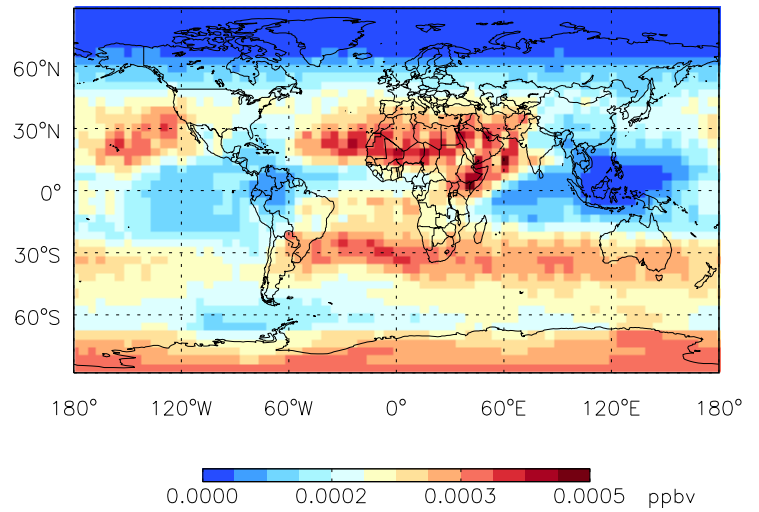
Tracer Map @ 500 hPa – SALC



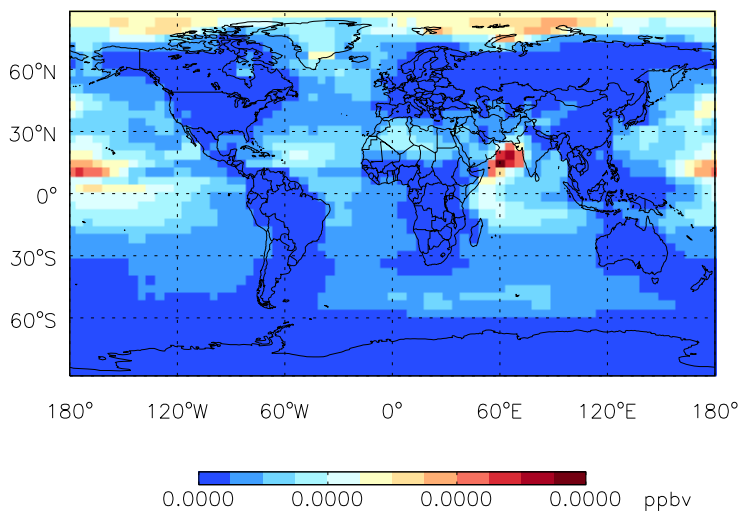
Tracer Map @ Surface – Br2



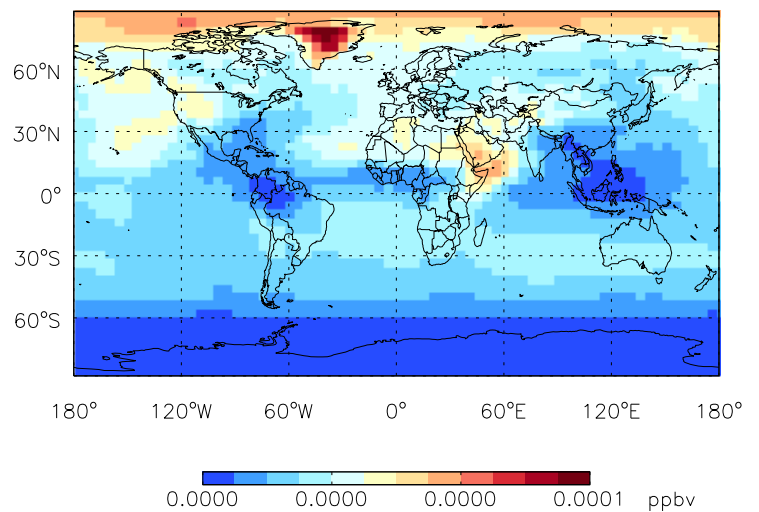
Tracer Map @ 500 hPa – Br2



Tracer Map @ Surface – Br



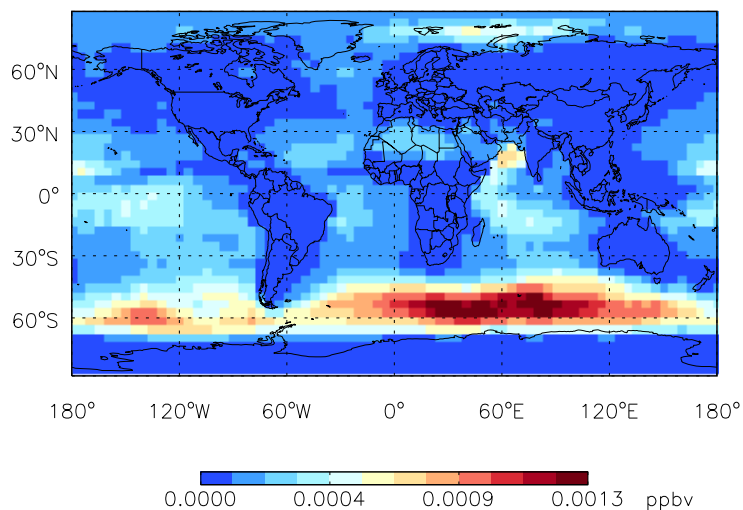
Tracer Map @ 500 hPa – Br



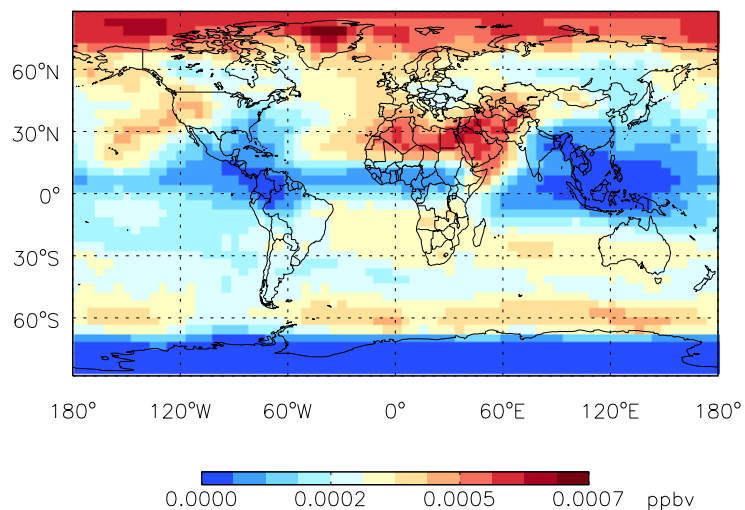
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

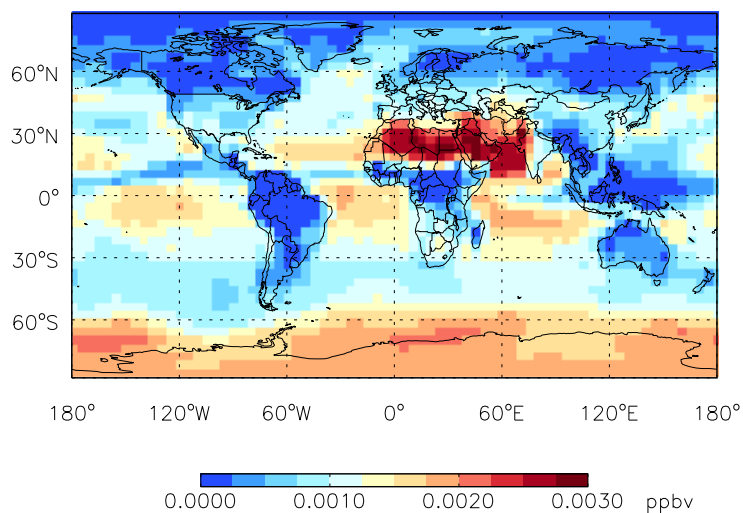
Tracer Map @ Surface – BrO



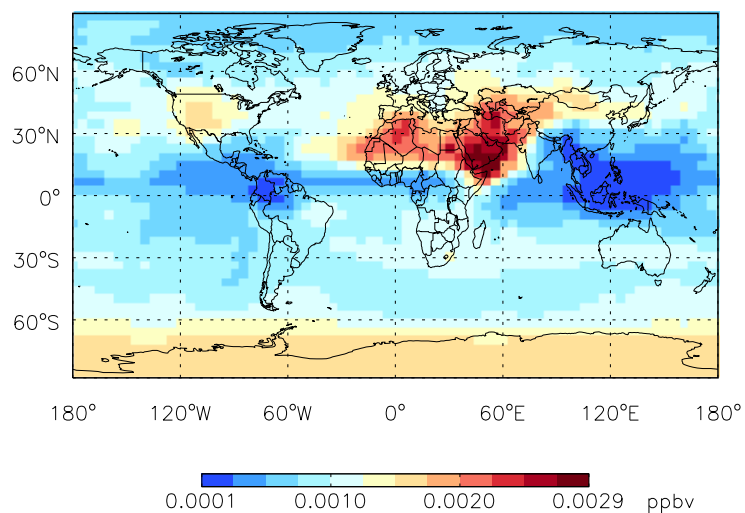
Tracer Map @ 500 hPa – BrO



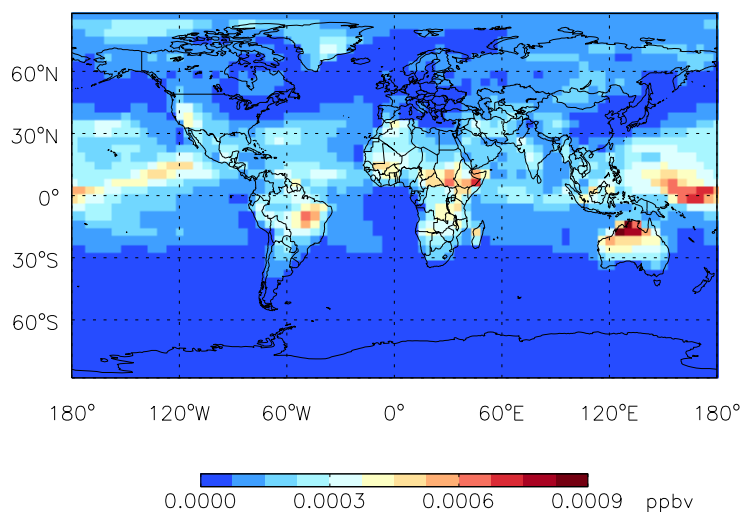
Tracer Map @ Surface – HOBr



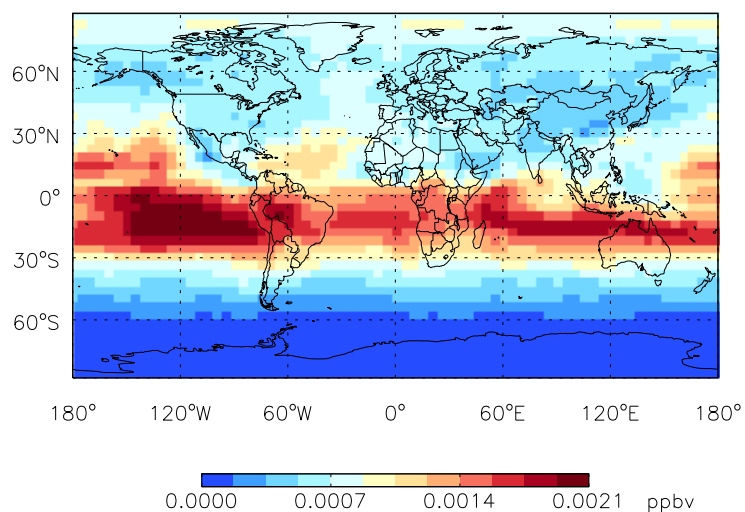
Tracer Map @ 500 hPa – HOBr



Tracer Map @ Surface – HBr



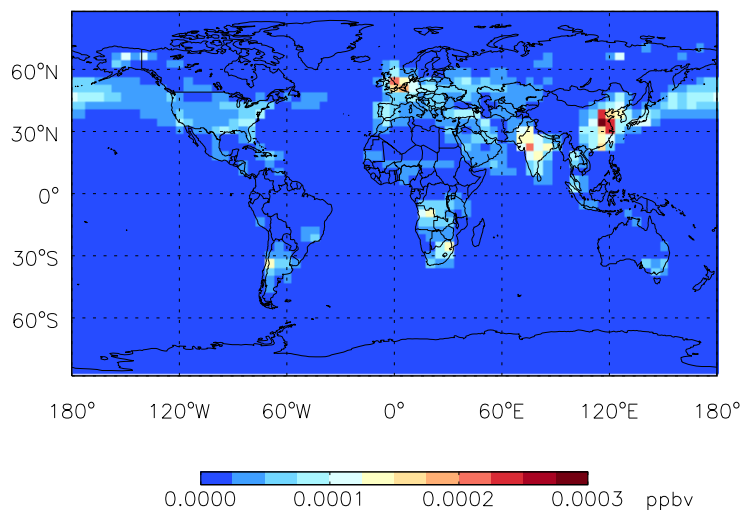
Tracer Map @ 500 hPa – HBr



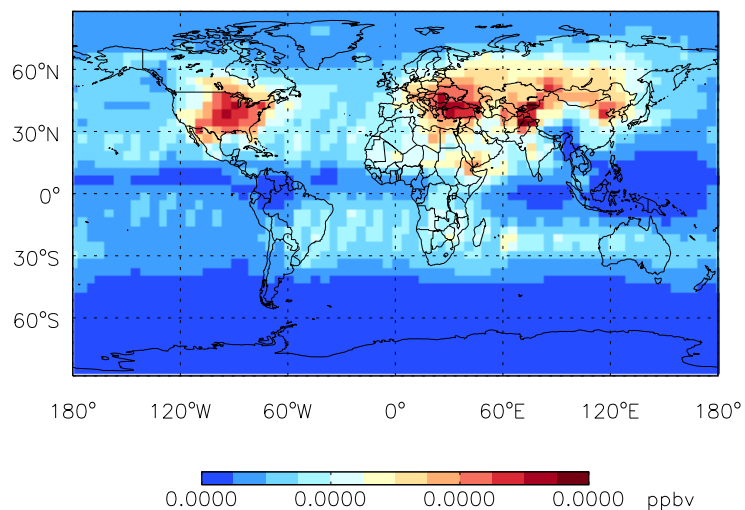
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

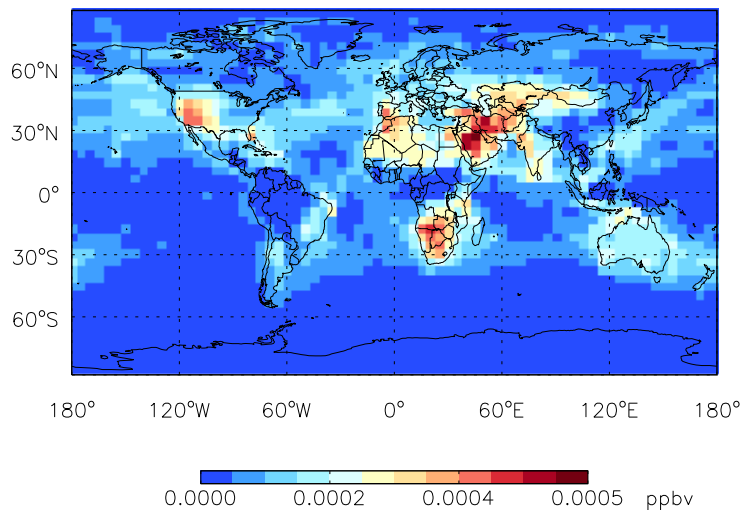
Tracer Map @ Surface – BrN02



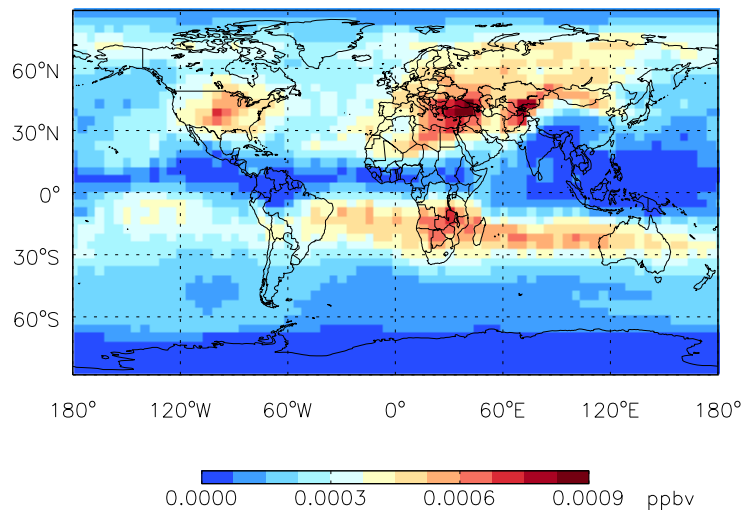
Tracer Map @ 500 hPa – BrN02



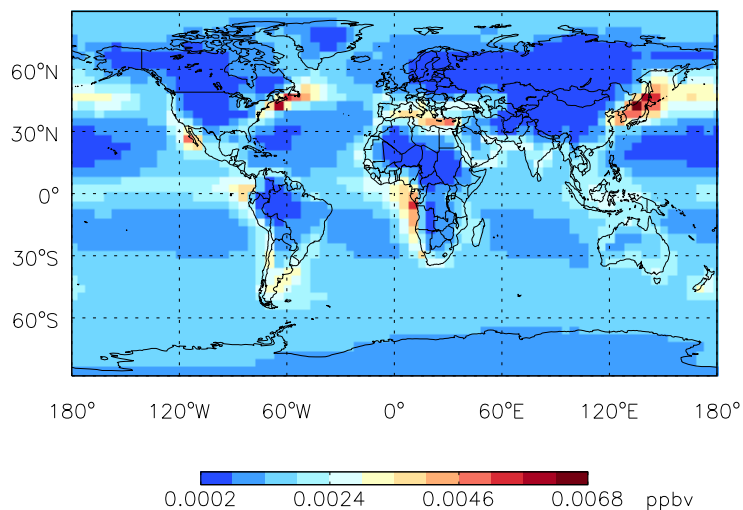
Tracer Map @ Surface – BrN03



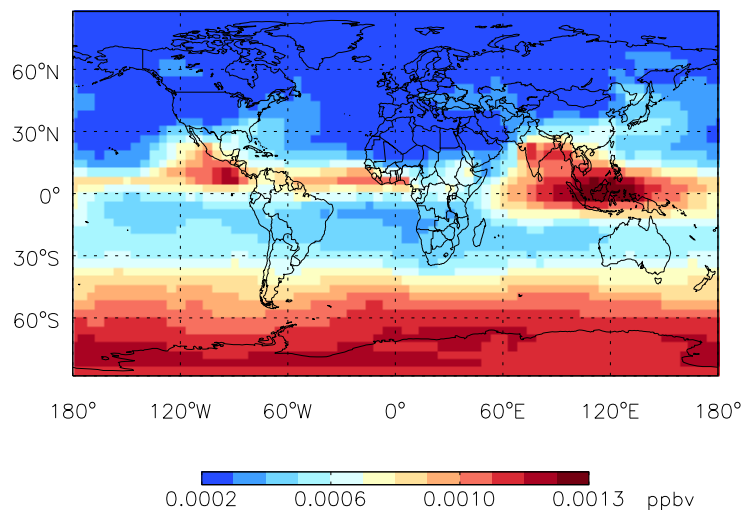
Tracer Map @ 500 hPa – BrN03



Tracer Map @ Surface – CHBr3



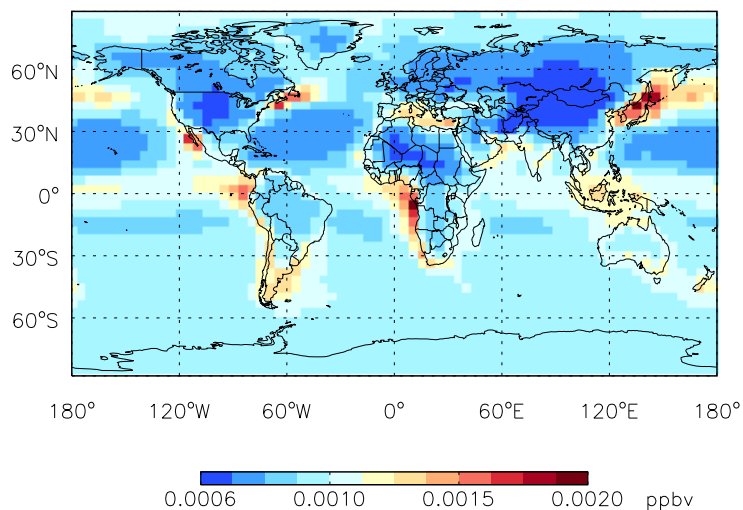
Tracer Map @ 500 hPa – CHBr3



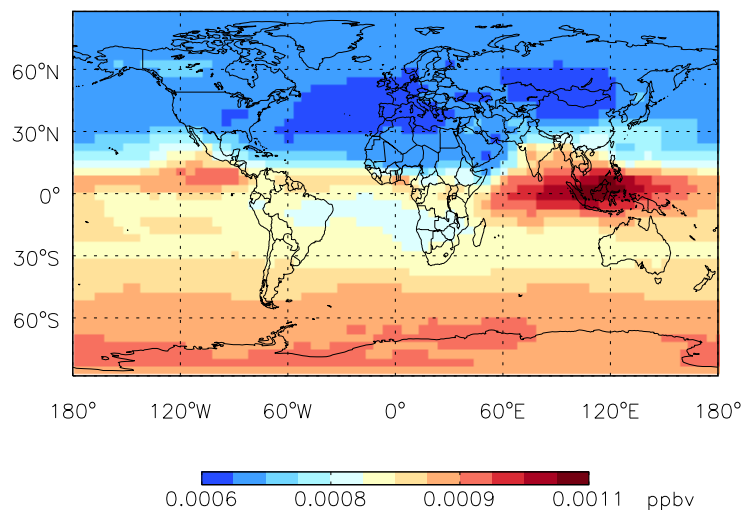
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

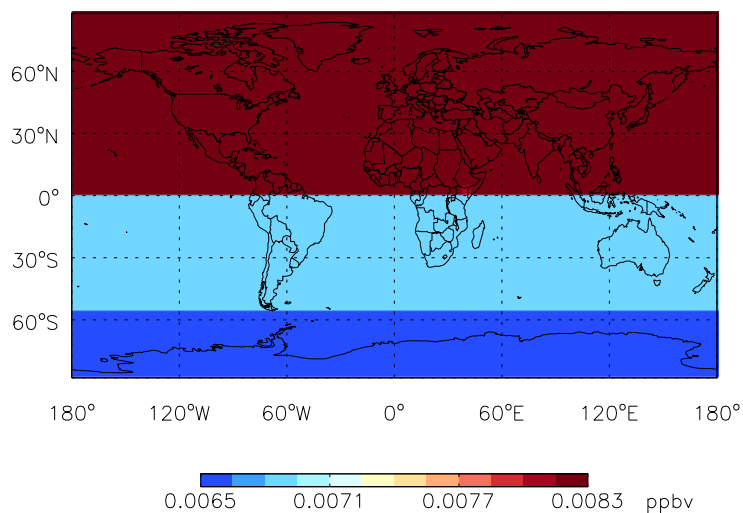
Tracer Map @ Surface - CH<sub>2</sub>Br<sub>2</sub>



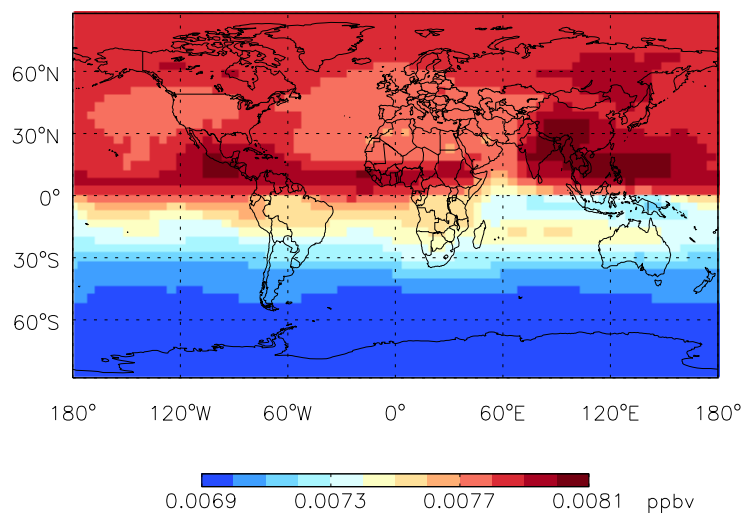
Tracer Map @ 500 hPa - CH<sub>2</sub>Br<sub>2</sub>



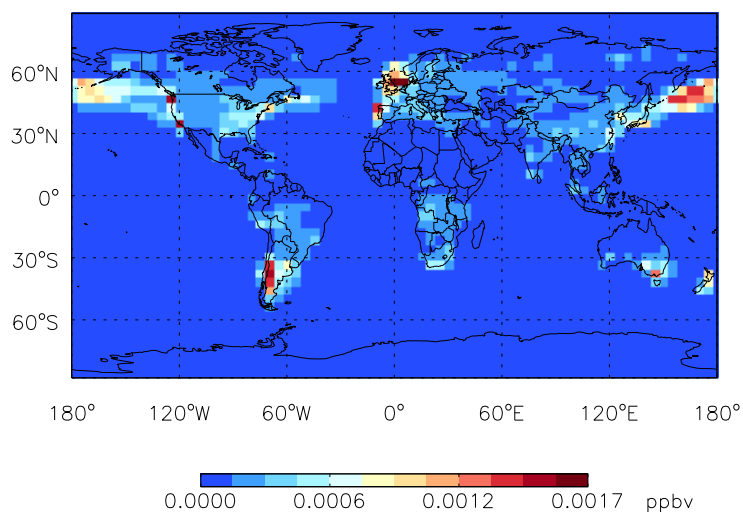
Tracer Map @ Surface - CH<sub>3</sub>Br



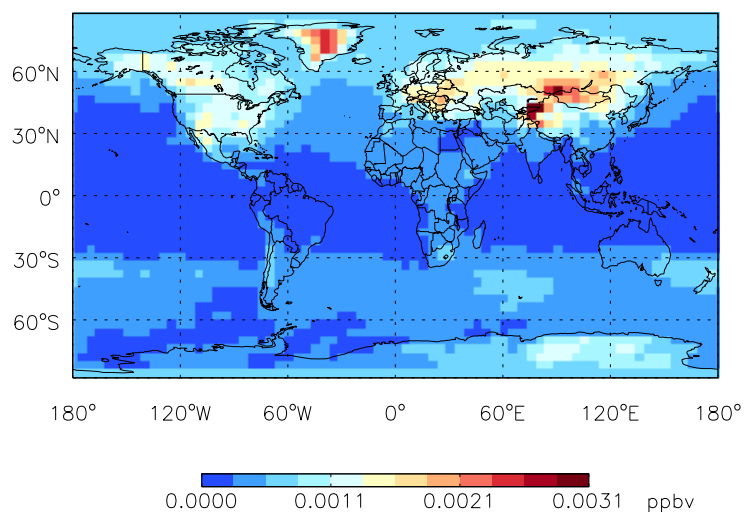
Tracer Map @ 500 hPa - CH<sub>3</sub>Br



Tracer Map @ Surface - MPN



Tracer Map @ 500 hPa - MPN

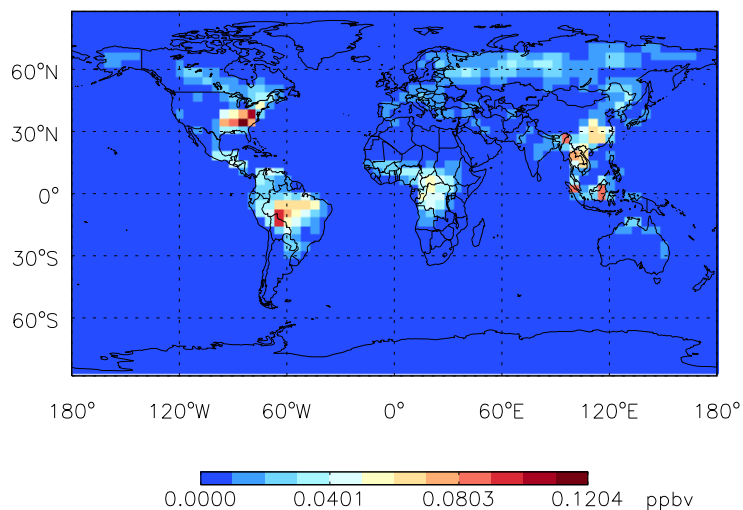




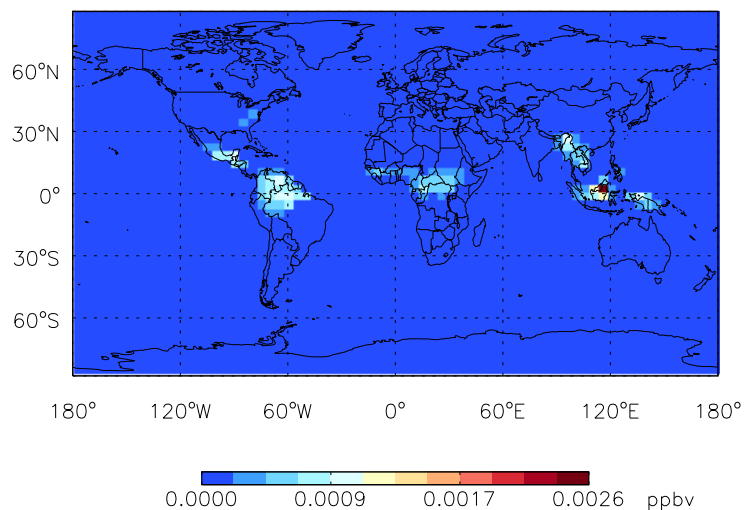
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

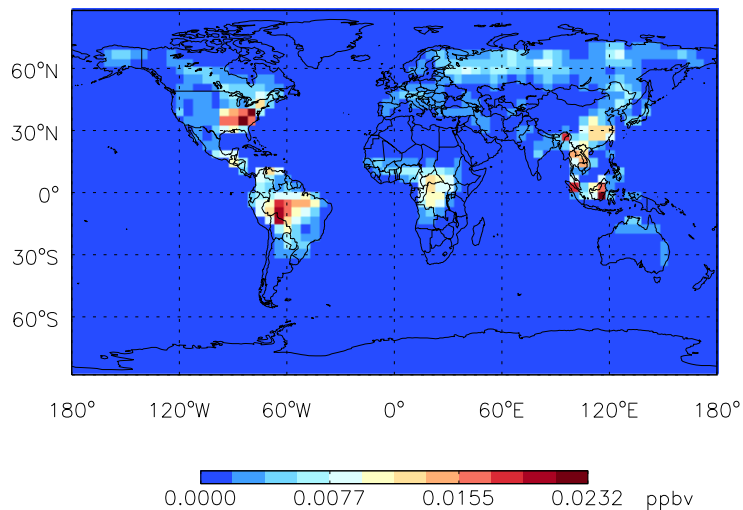
Tracer Map @ Surface – ISOPN



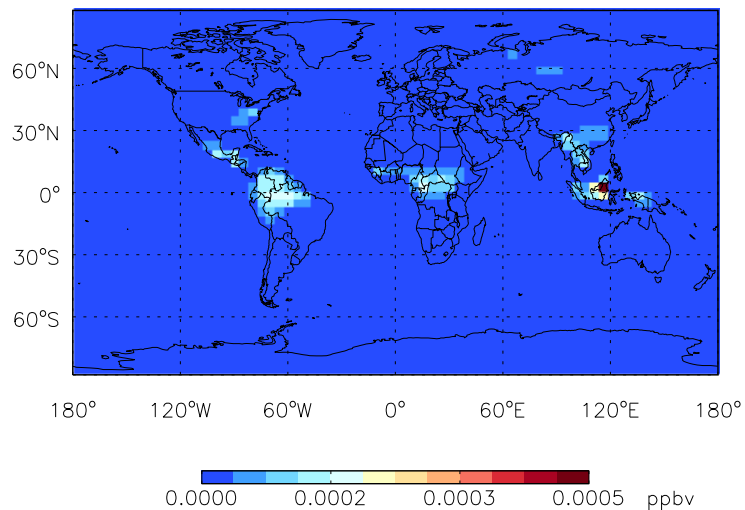
Tracer Map @ 500 hPa – ISOPN



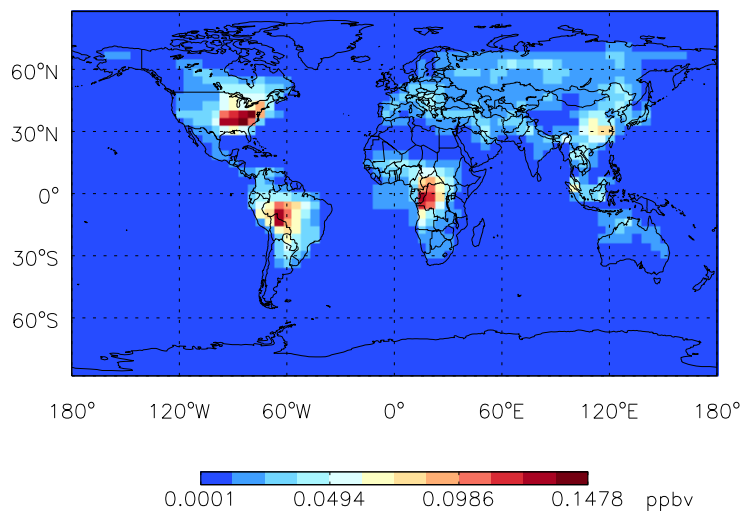
Tracer Map @ Surface – MOBA



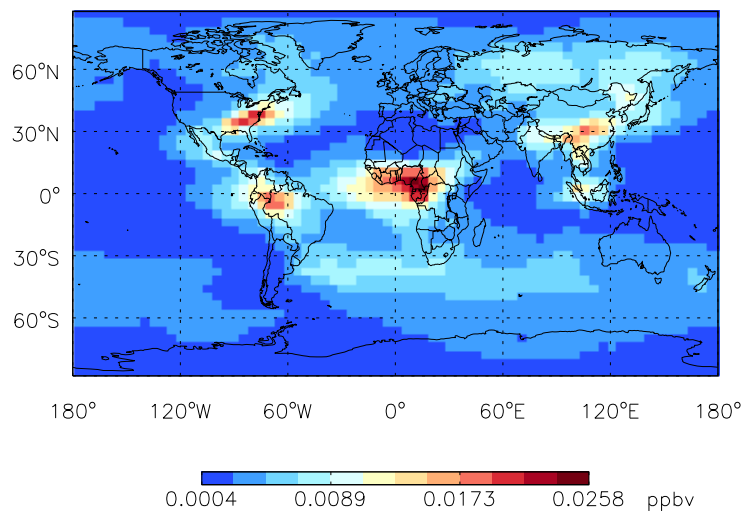
Tracer Map @ 500 hPa – MOBA



Tracer Map @ Surface – PROPNN



Tracer Map @ 500 hPa – PROPNN

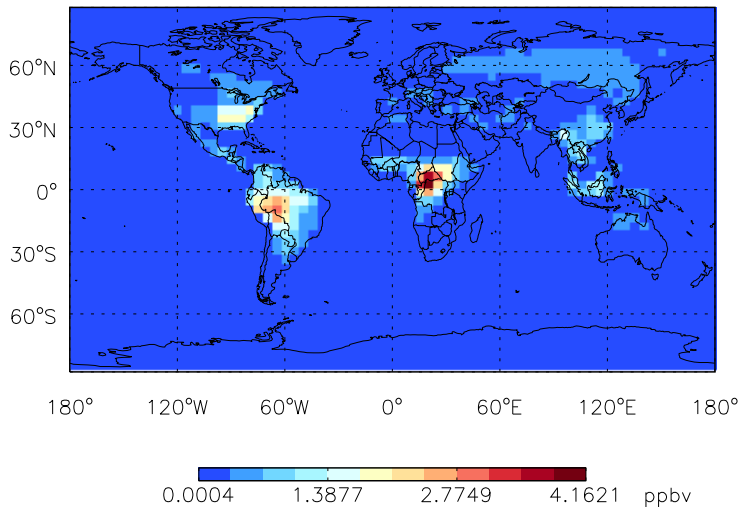




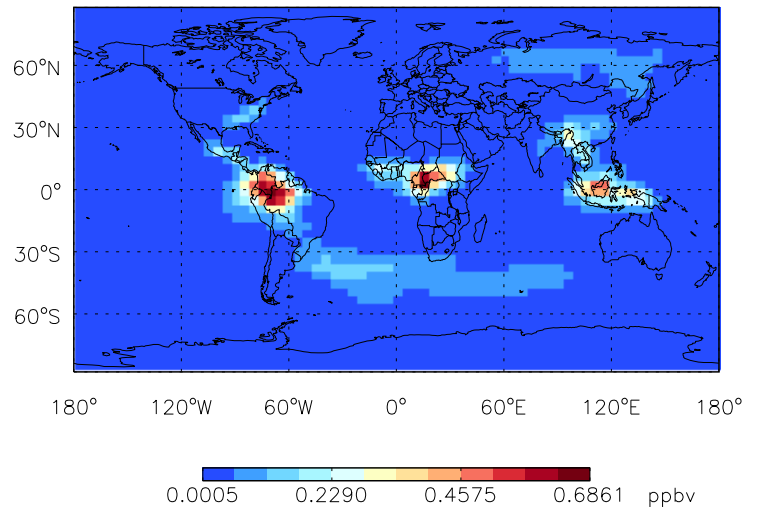
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

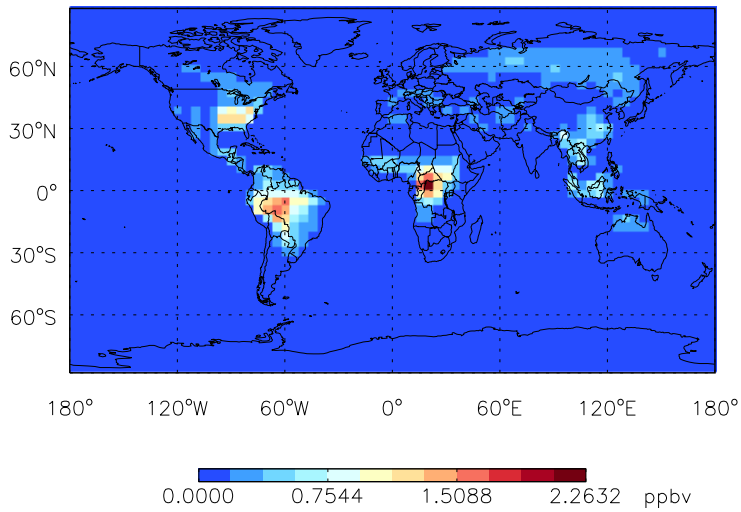
Tracer Map @ Surface – HAC



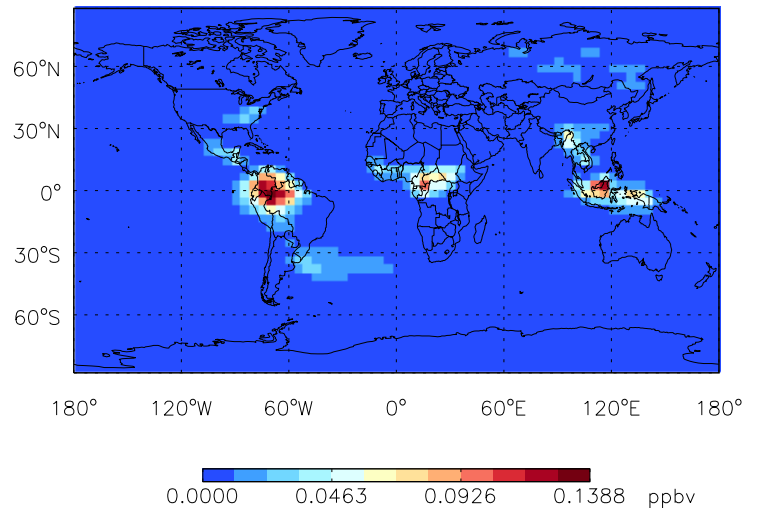
Tracer Map @ 500 hPa – HAC



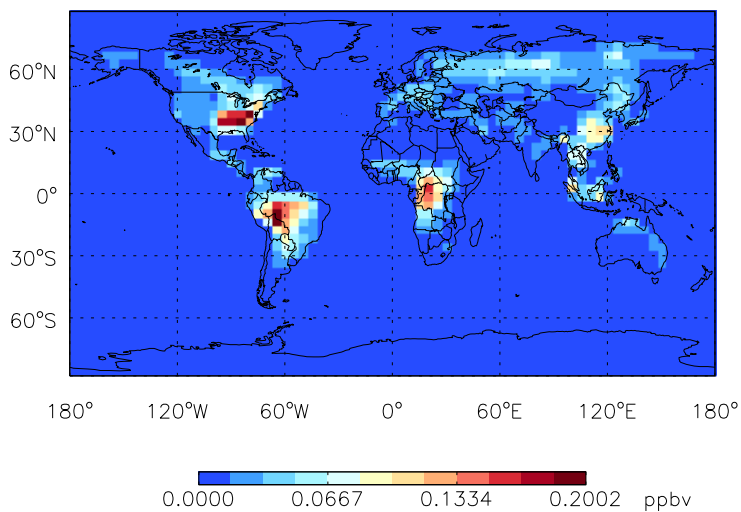
Tracer Map @ Surface – GLYC



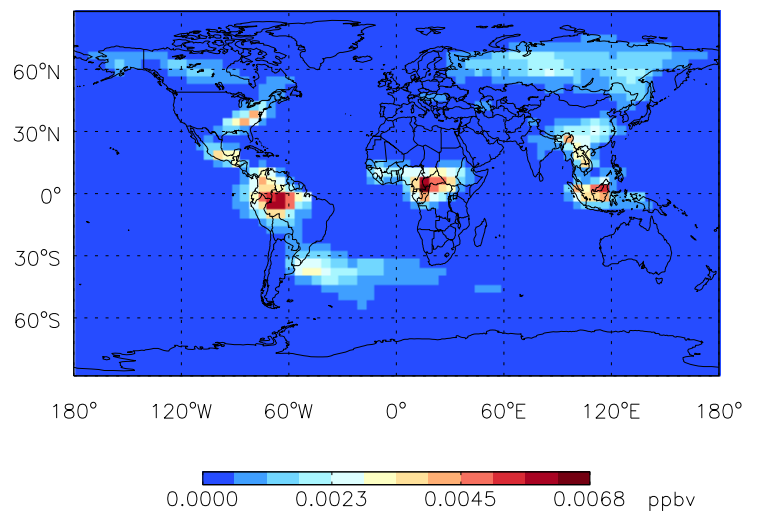
Tracer Map @ 500 hPa – GLYC



Tracer Map @ Surface – MMN



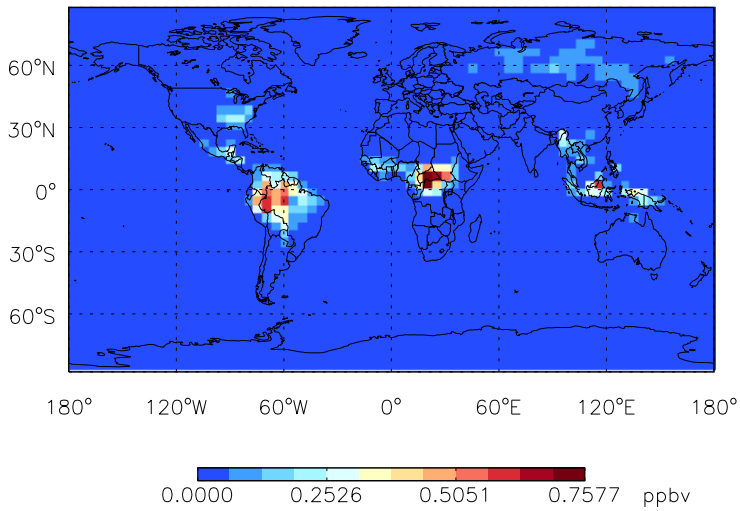
Tracer Map @ 500 hPa – MMN



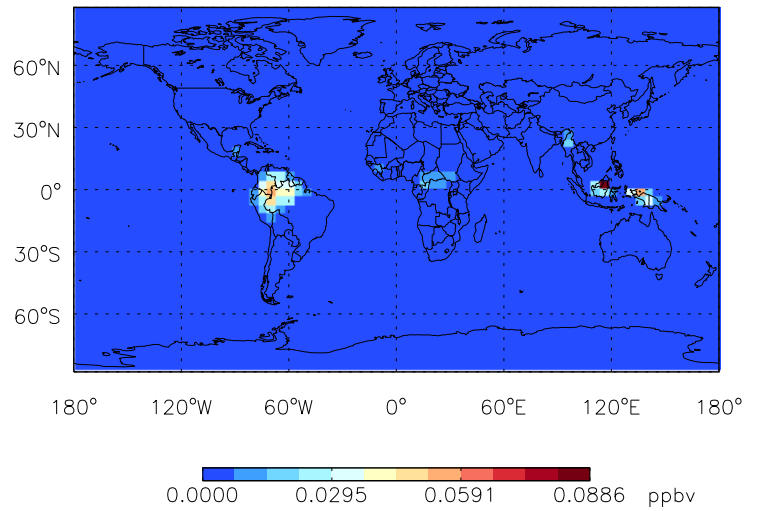
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

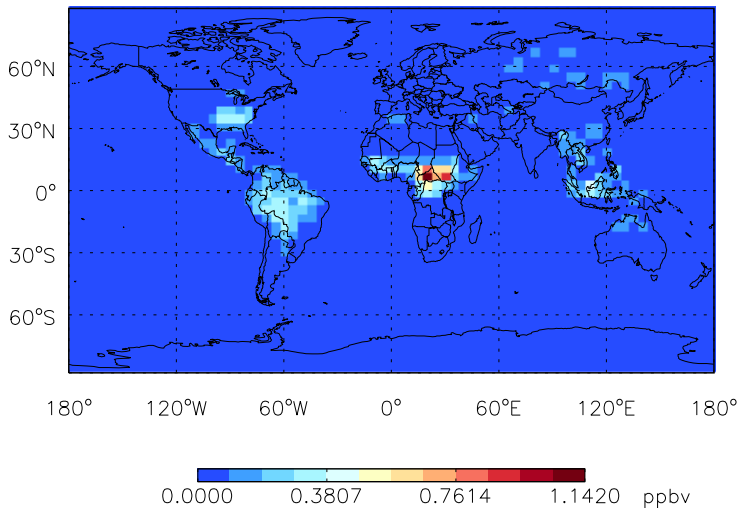
Tracer Map @ Surface – RIP



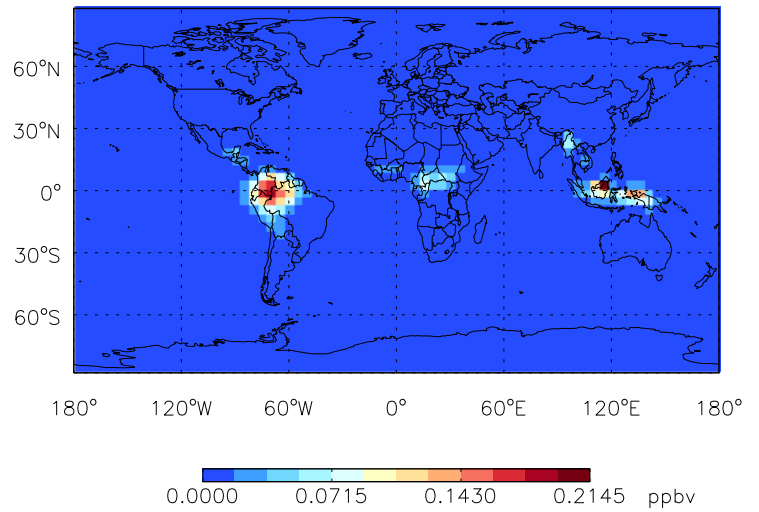
Tracer Map @ 500 hPa – RIP



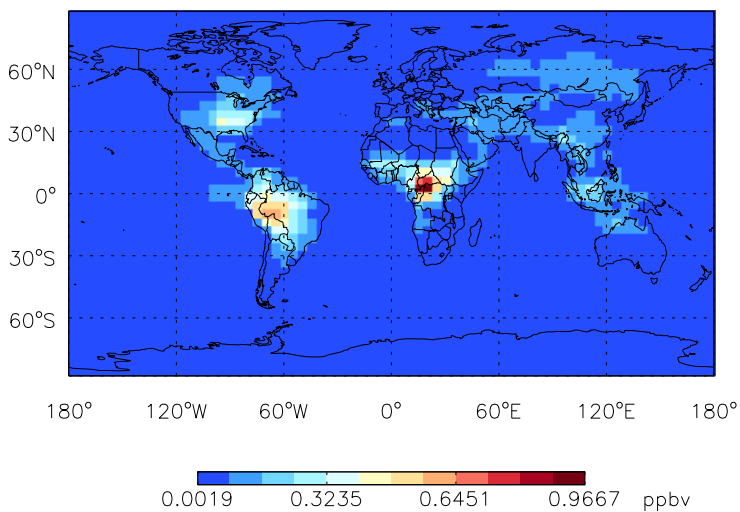
Tracer Map @ Surface – IEPOX



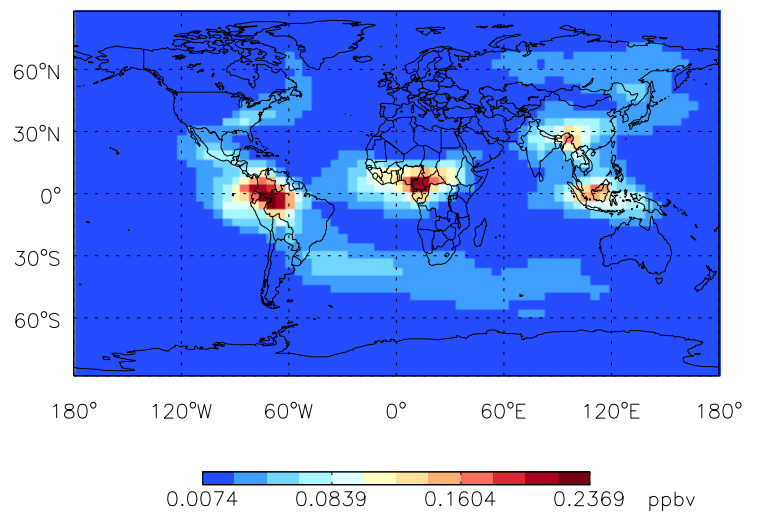
Tracer Map @ 500 hPa – IEPOX



Tracer Map @ Surface – MAP



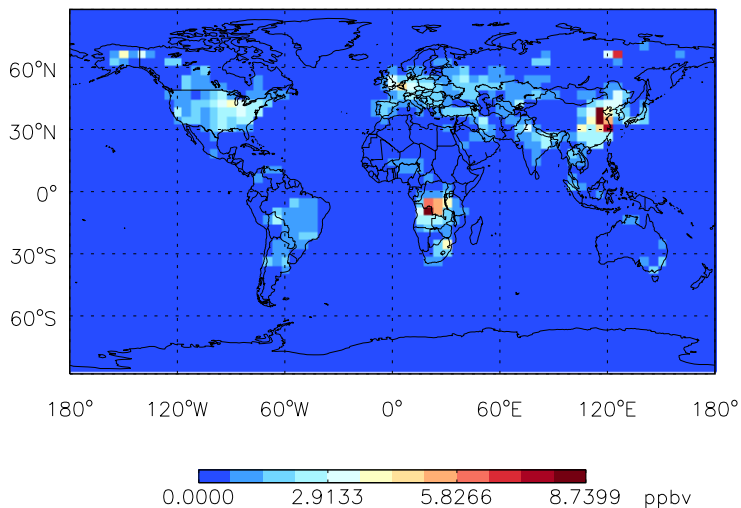
Tracer Map @ 500 hPa – MAP



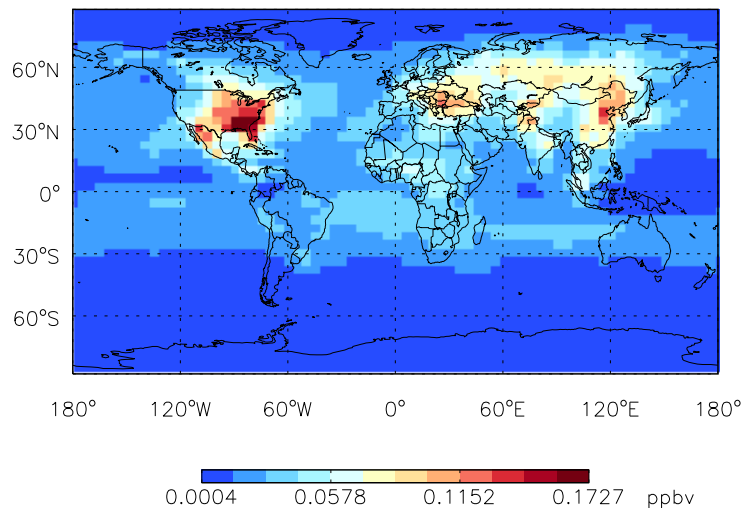
# GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n

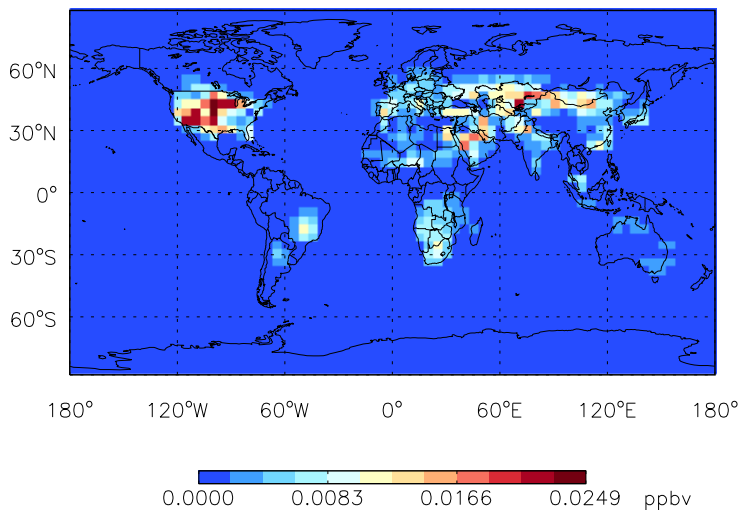
Tracer Map @ Surface – NO<sub>2</sub>



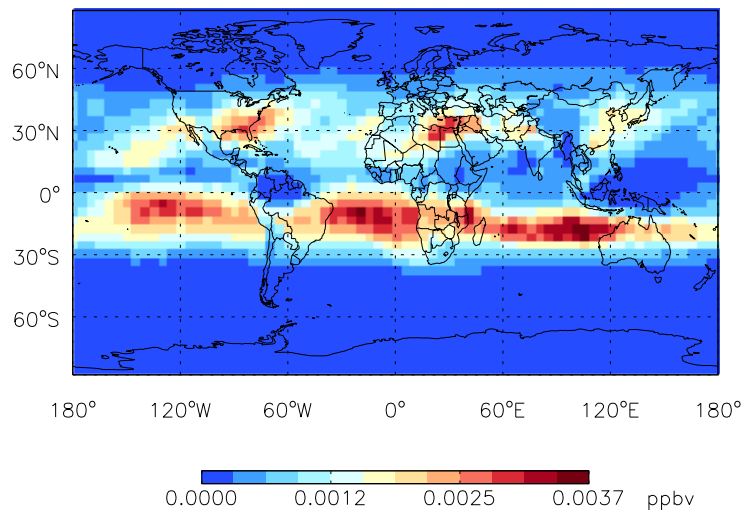
Tracer Map @ 500 hPa – NO<sub>2</sub>



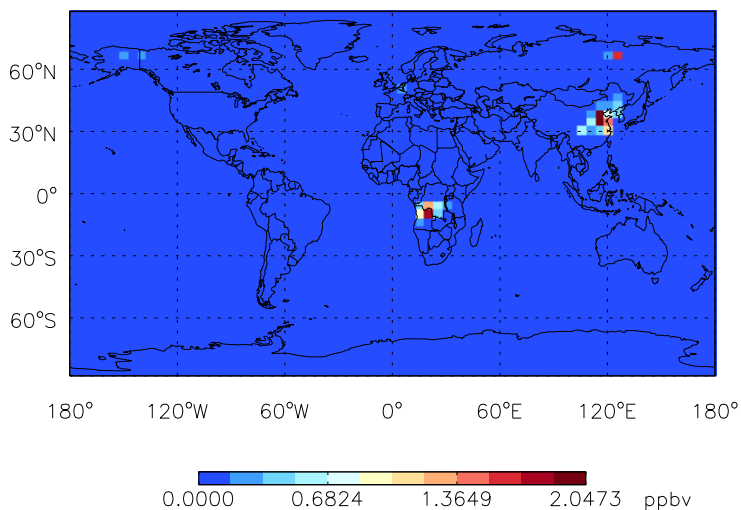
Tracer Map @ Surface – NO<sub>3</sub>



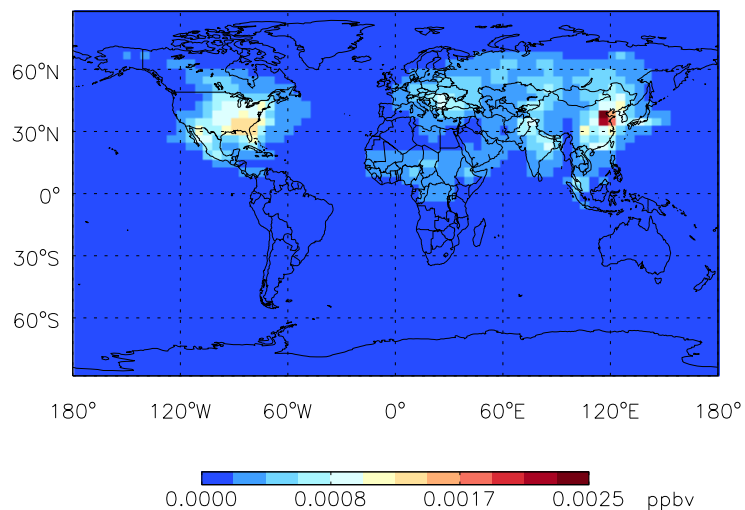
Tracer Map @ 500 hPa – NO<sub>3</sub>



Tracer Map @ Surface – HNO<sub>2</sub>



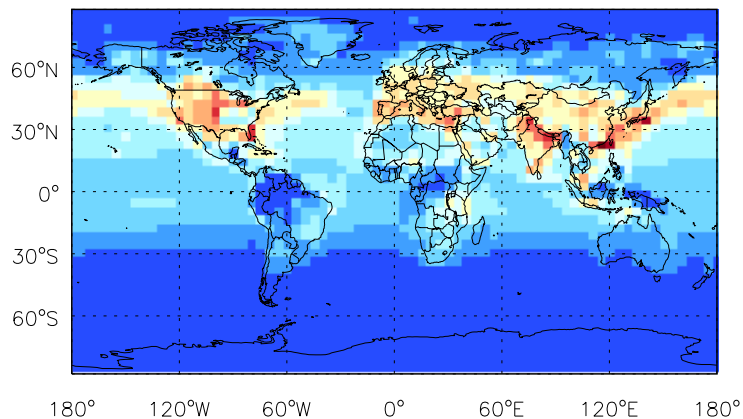
Tracer Map @ 500 hPa – HNO<sub>2</sub>



GEOS-Chem v9-02n Tracer Maps at Surface and 500 hPa

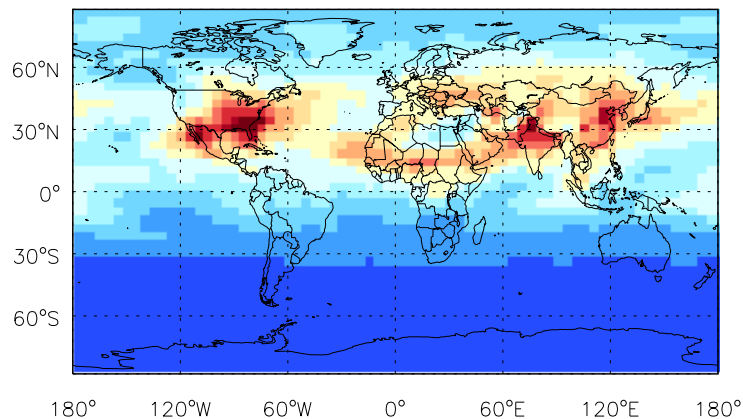
ctm.bpch.v9-02n

Tracer Map @ Surface - OH



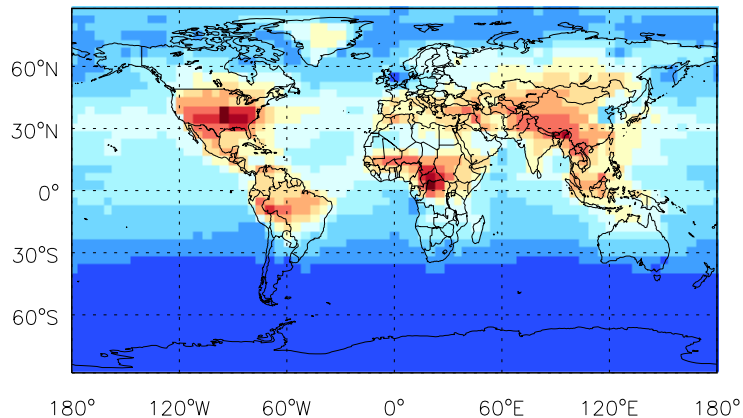
0.0000 20.4694 40.9388 61.4081 1e5 molec/cm3

Tracer Map @ 500 hPa - OH



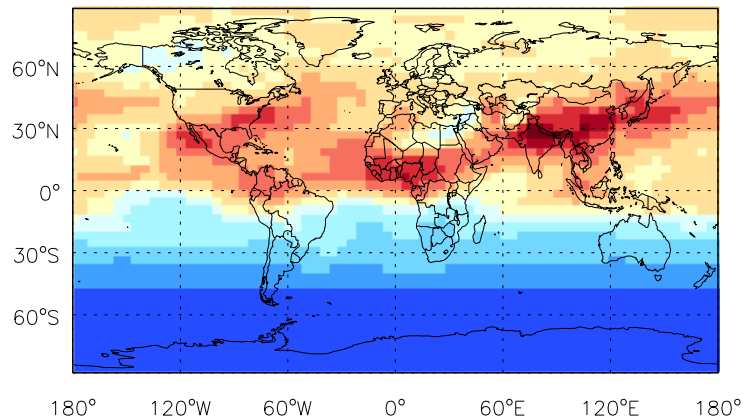
0.0002 16.8684 33.7366 50.6048 1e5 molec/cm3

Tracer Map @ Surface - HO2



0.0002 6.1531 12.3060 18.4588 pptv

Tracer Map @ 500 hPa - HO2



0.0010 5.1561 10.3112 15.4664 pptv