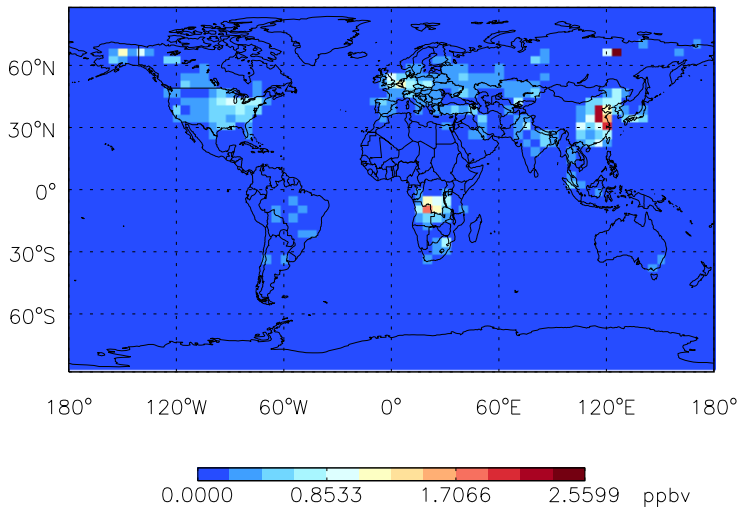


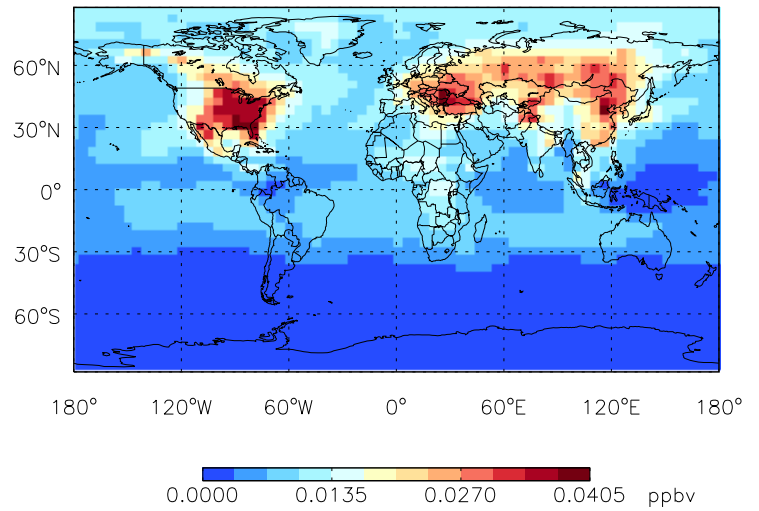
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

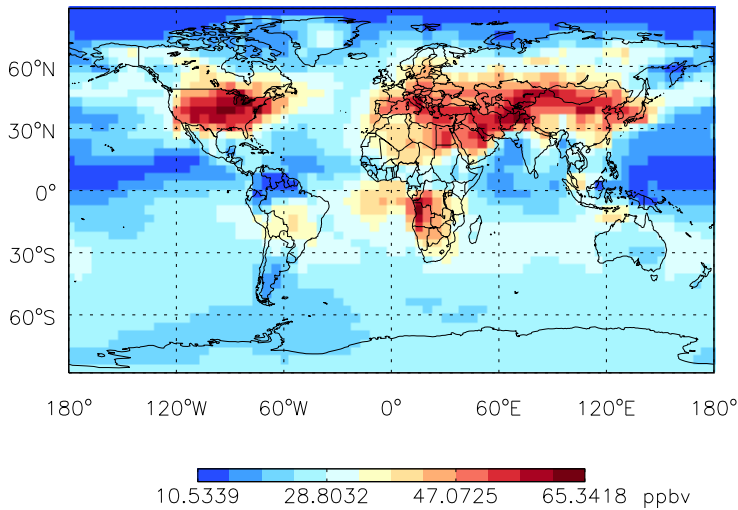
Tracer Map @ Surface – NO



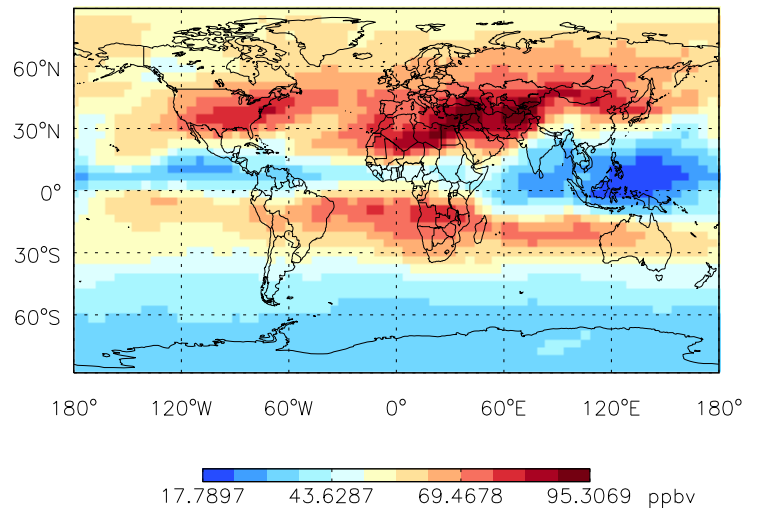
Tracer Map @ 500 hPa – NO



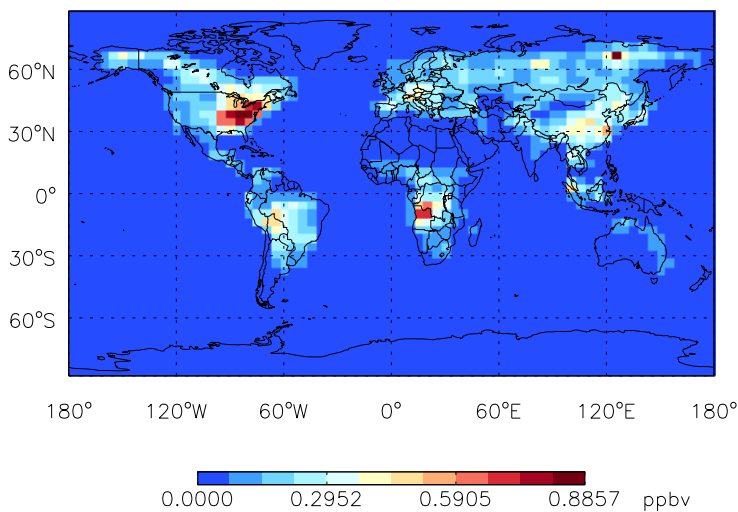
Tracer Map @ Surface – O3



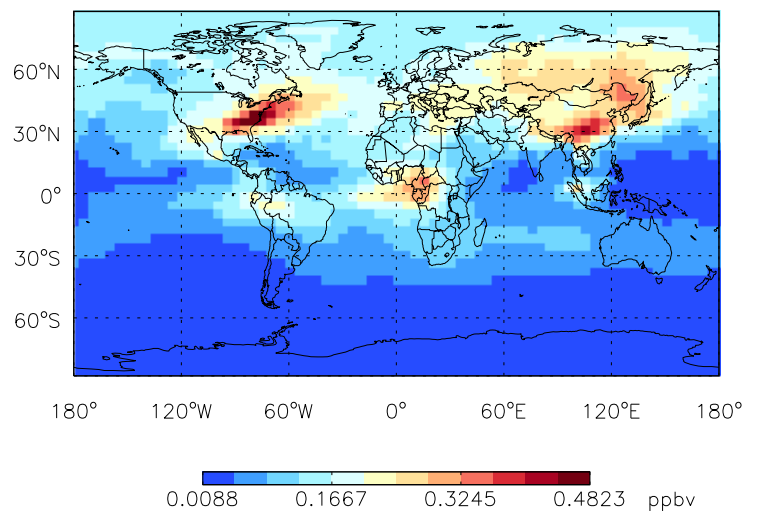
Tracer Map @ 500 hPa – O3



Tracer Map @ Surface – PAN



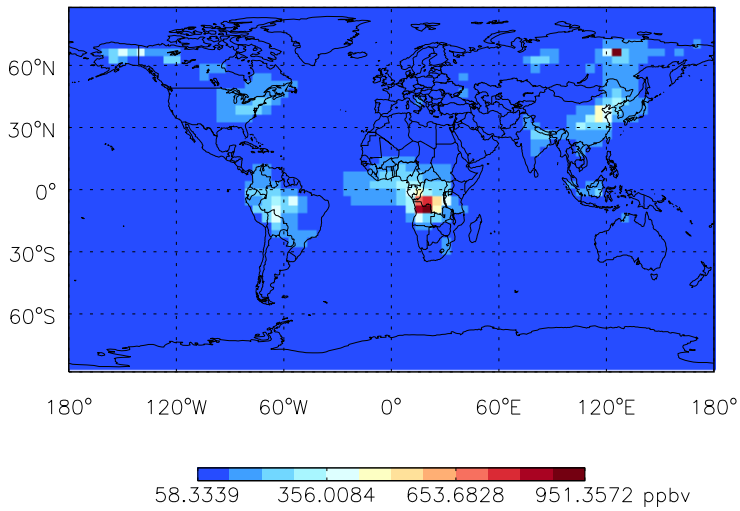
Tracer Map @ 500 hPa – PAN



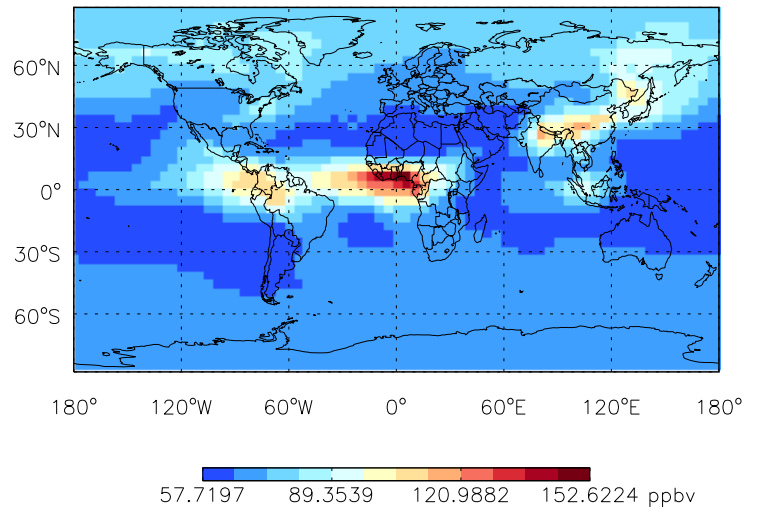
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

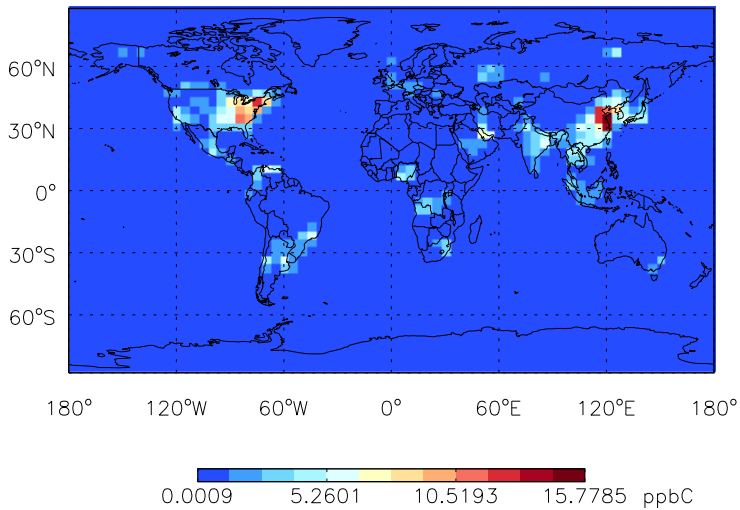
Tracer Map @ Surface - CO



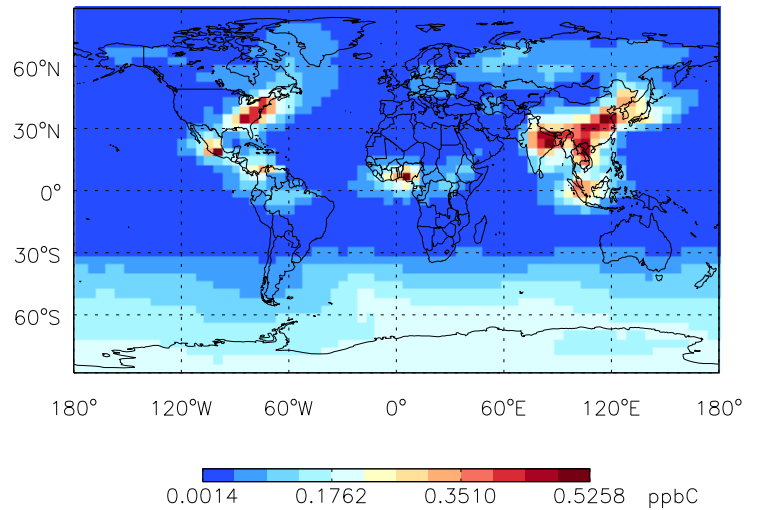
Tracer Map @ 500 hPa - CO



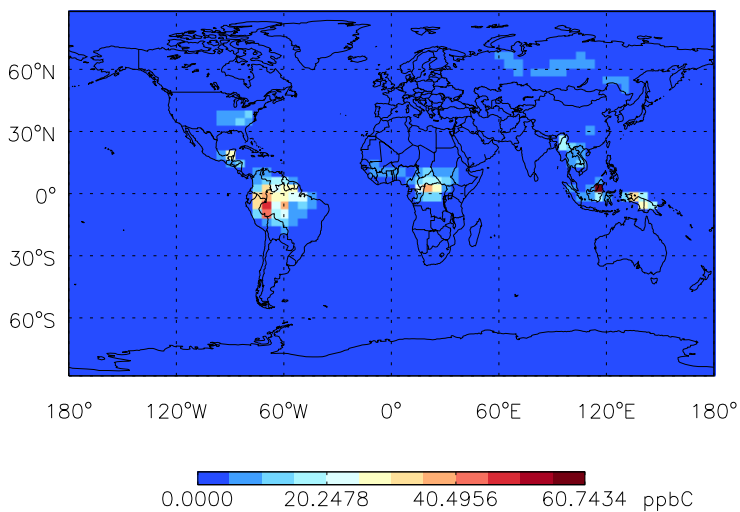
Tracer Map @ Surface - ALK4



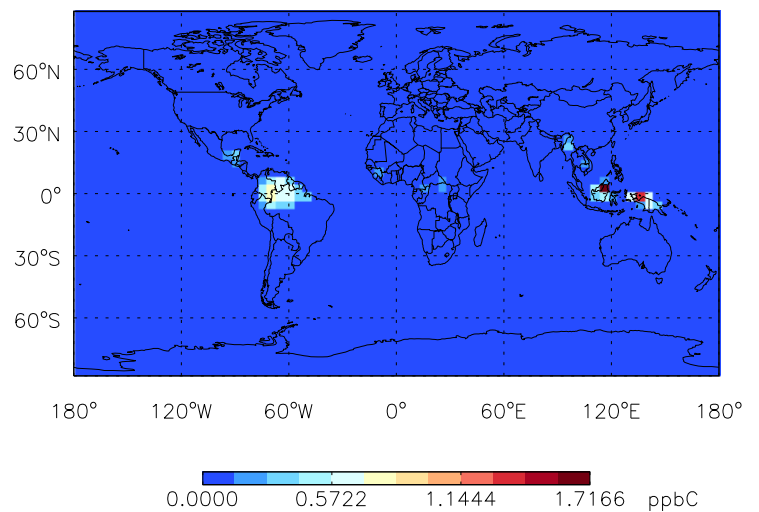
Tracer Map @ 500 hPa - ALK4



Tracer Map @ Surface - ISOP



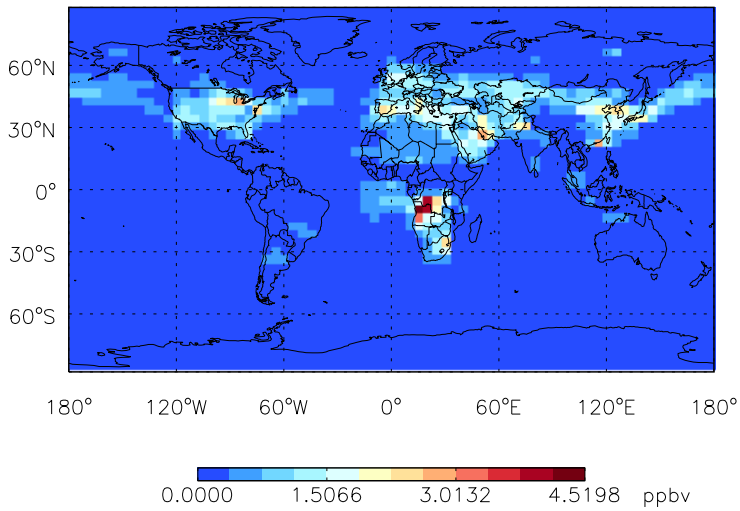
Tracer Map @ 500 hPa - ISOP



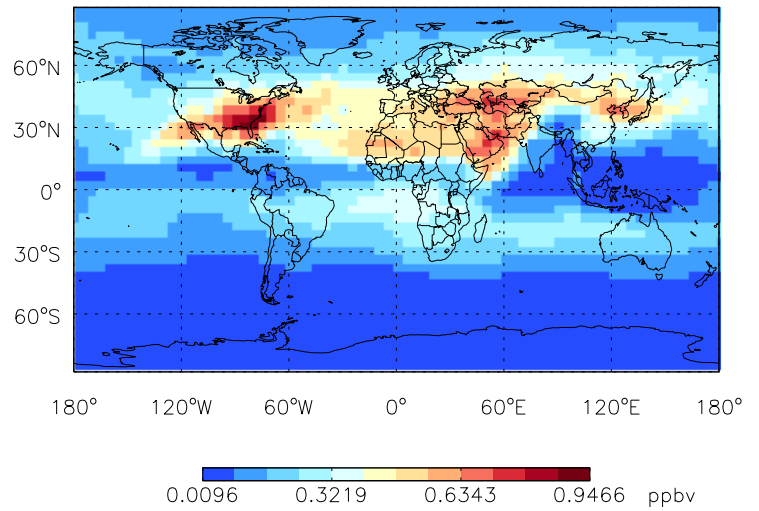
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

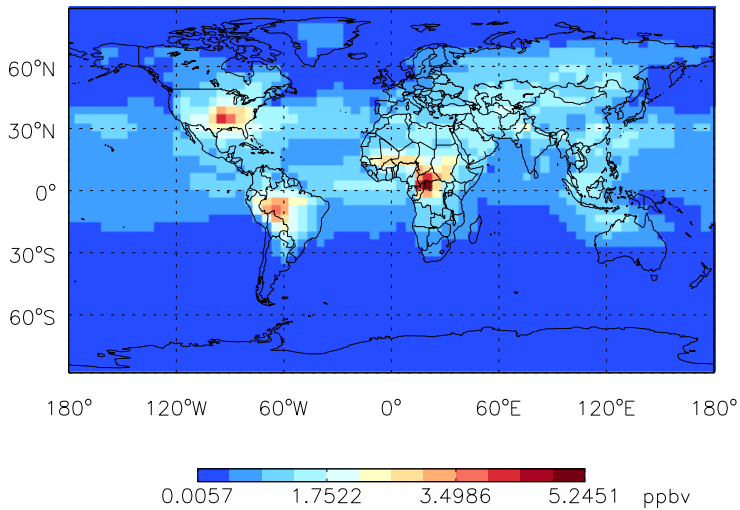
Tracer Map @ Surface – HN03



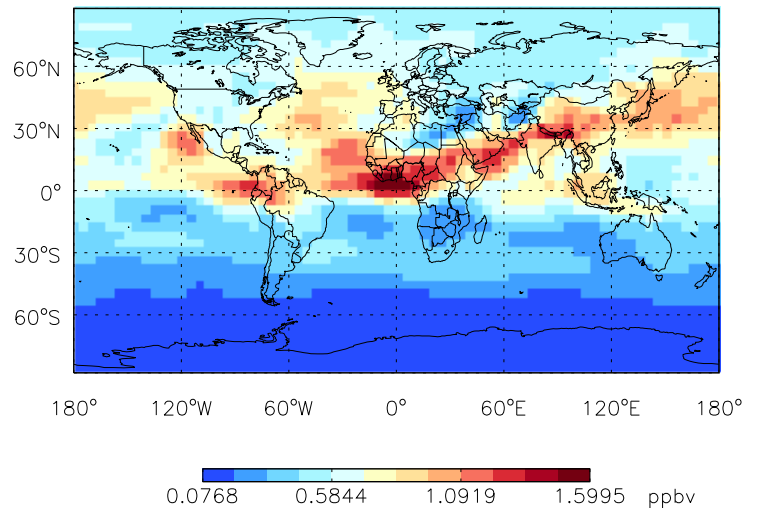
Tracer Map @ 500 hPa – HN03



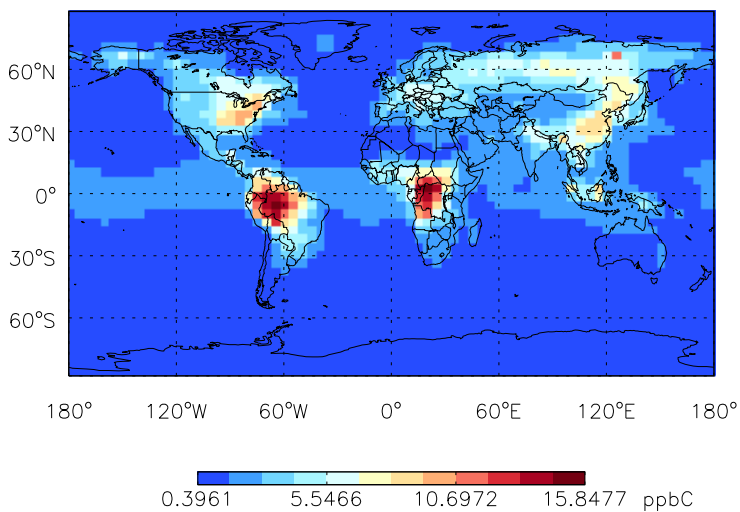
Tracer Map @ Surface – H2O2



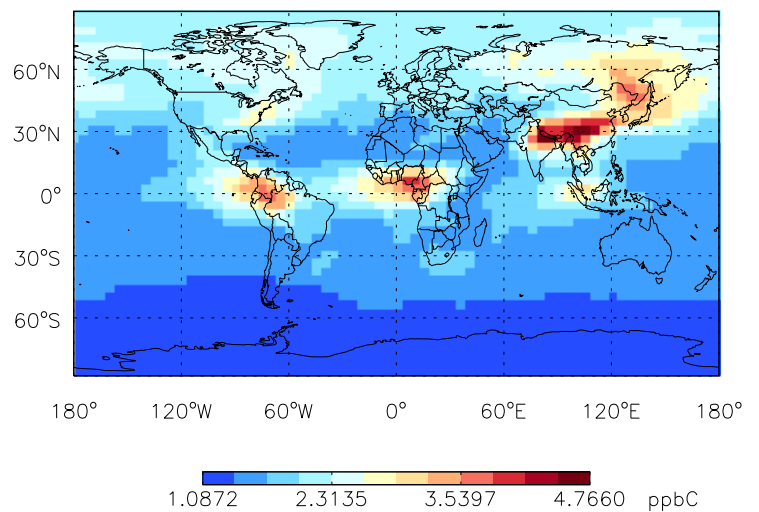
Tracer Map @ 500 hPa – H2O2



Tracer Map @ Surface – ACET



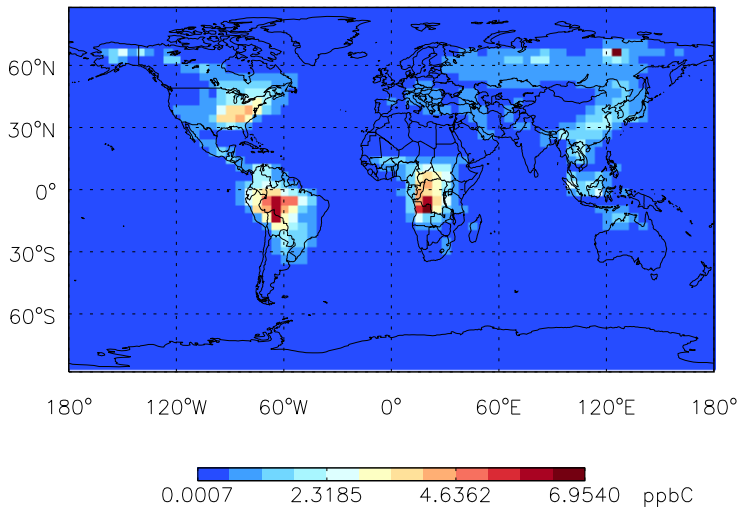
Tracer Map @ 500 hPa – ACET



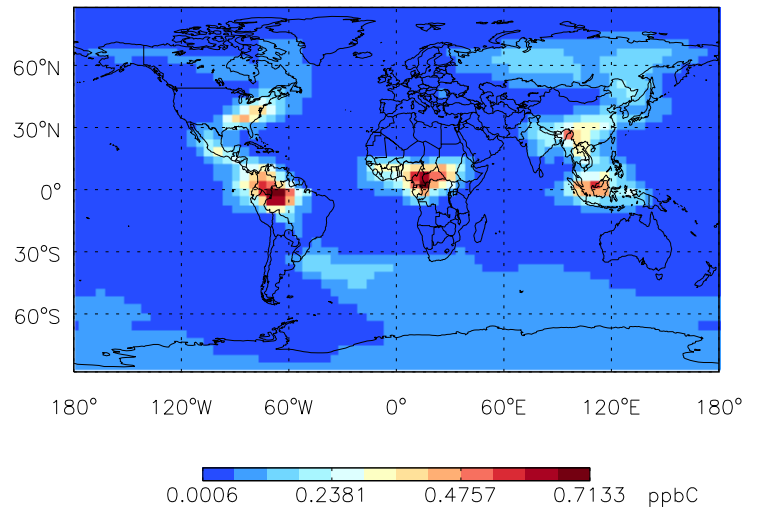
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

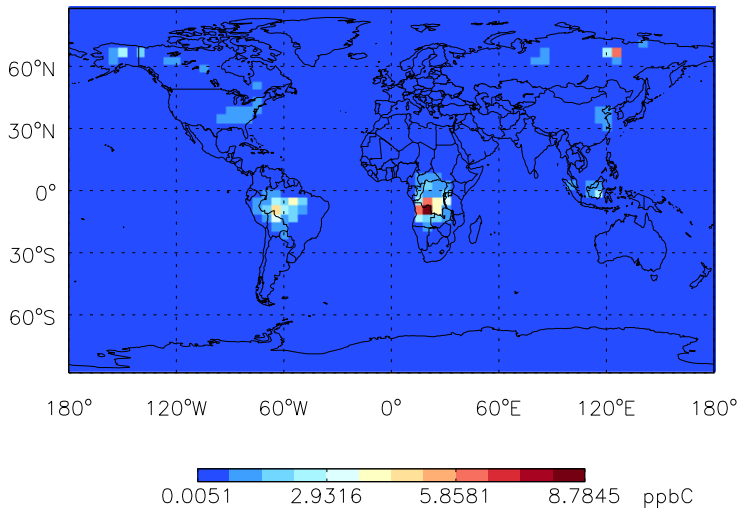
Tracer Map @ Surface – MEK



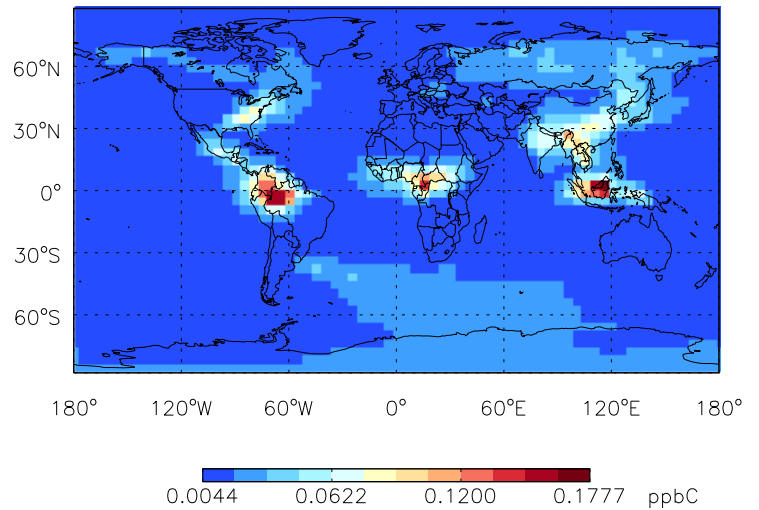
Tracer Map @ 500 hPa – MEK



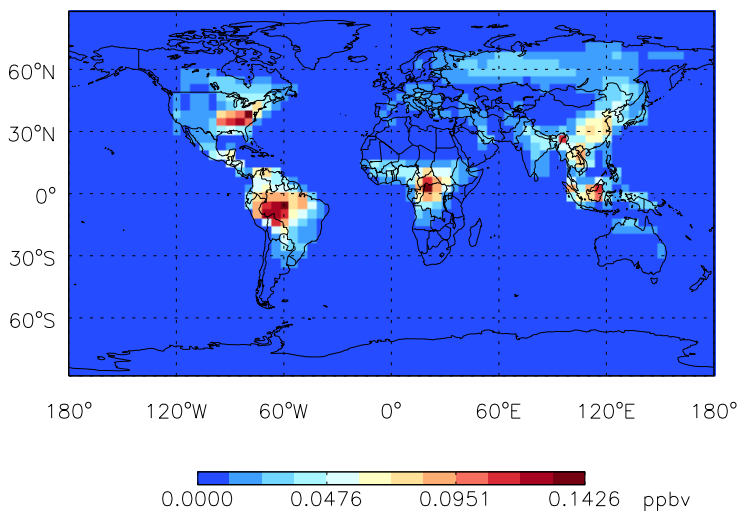
Tracer Map @ Surface – ALD2



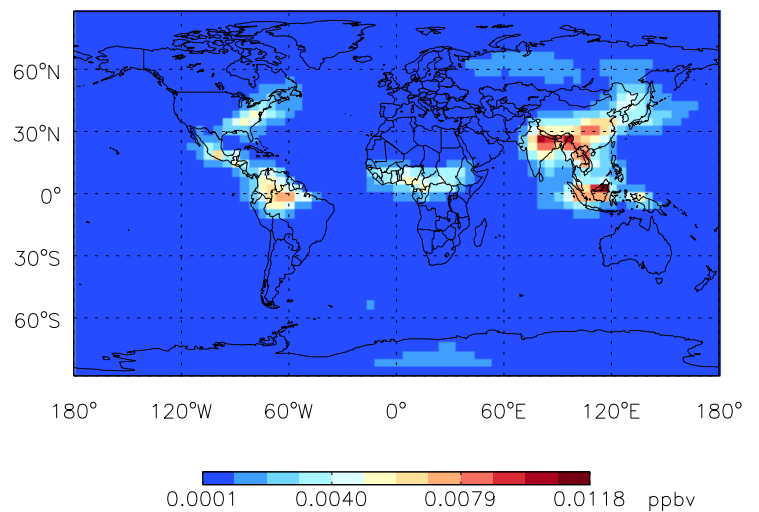
Tracer Map @ 500 hPa – ALD2



Tracer Map @ Surface – RCHO



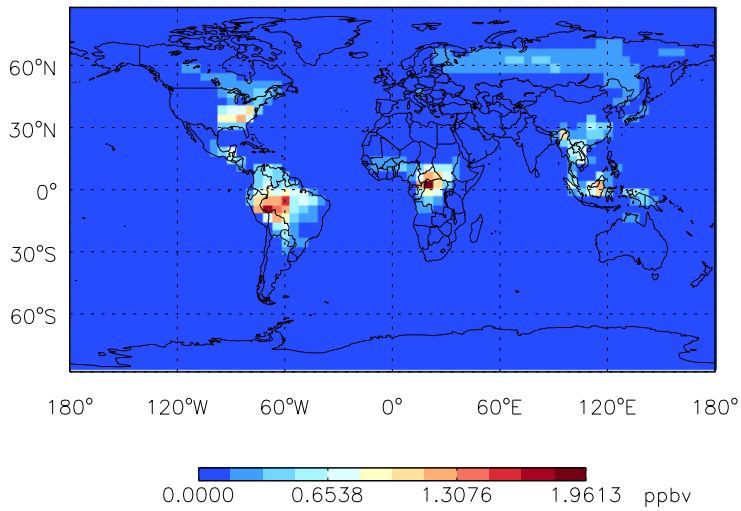
Tracer Map @ 500 hPa – RCHO



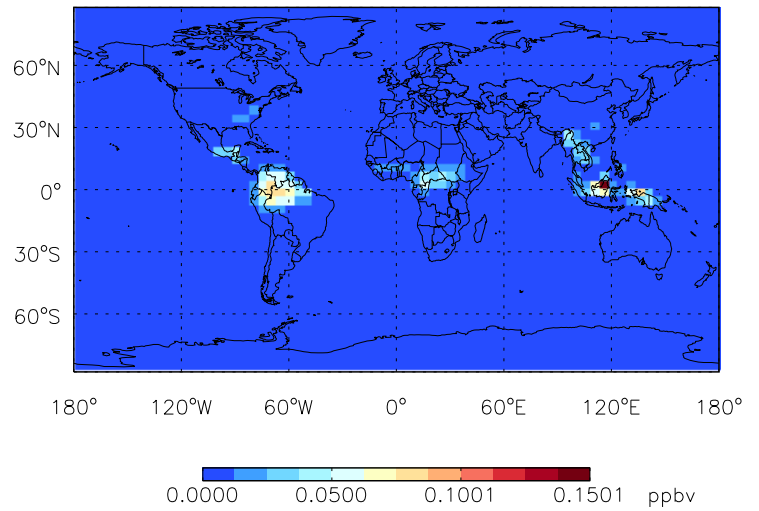
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

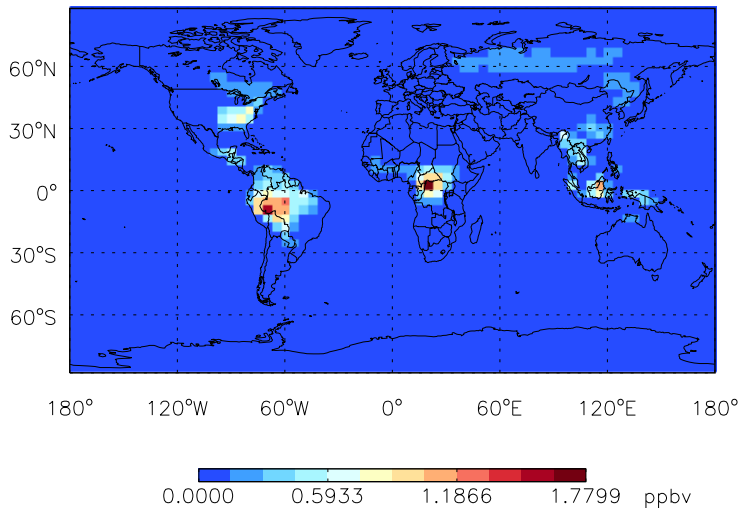
Tracer Map @ Surface - MVK



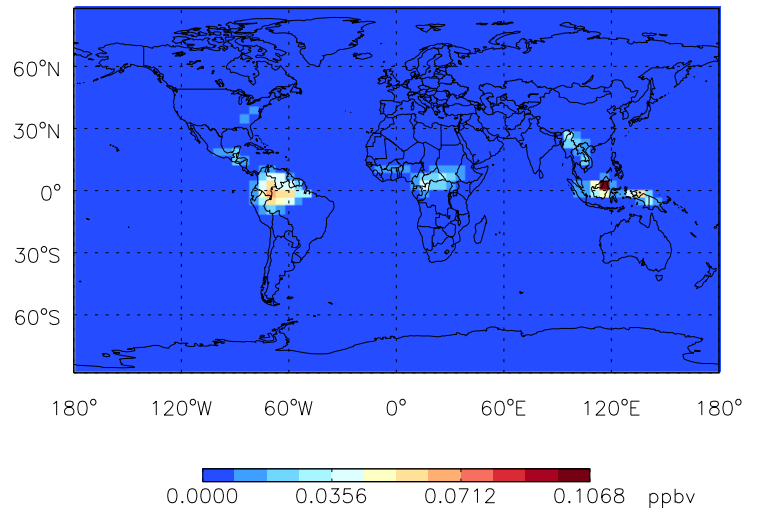
Tracer Map @ 500 hPa - MVK



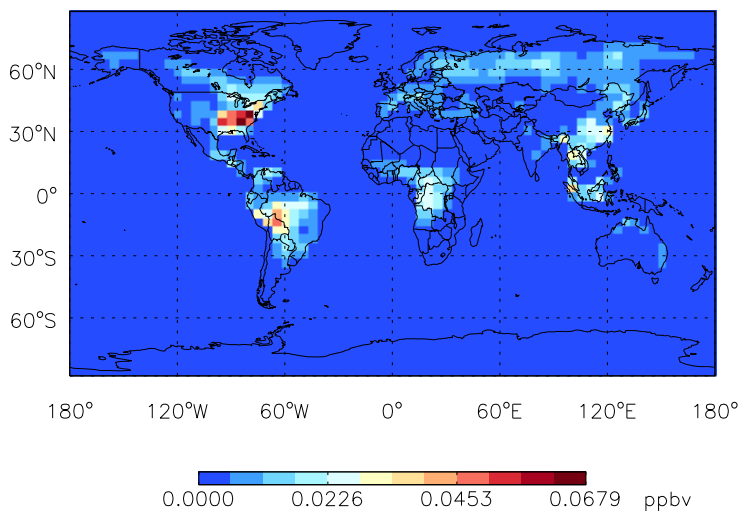
Tracer Map @ Surface - MACR



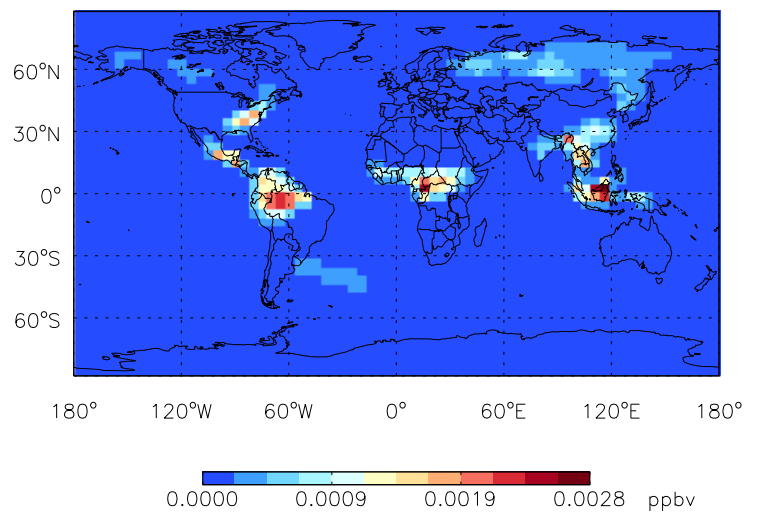
Tracer Map @ 500 hPa - MACR



Tracer Map @ Surface - PMN



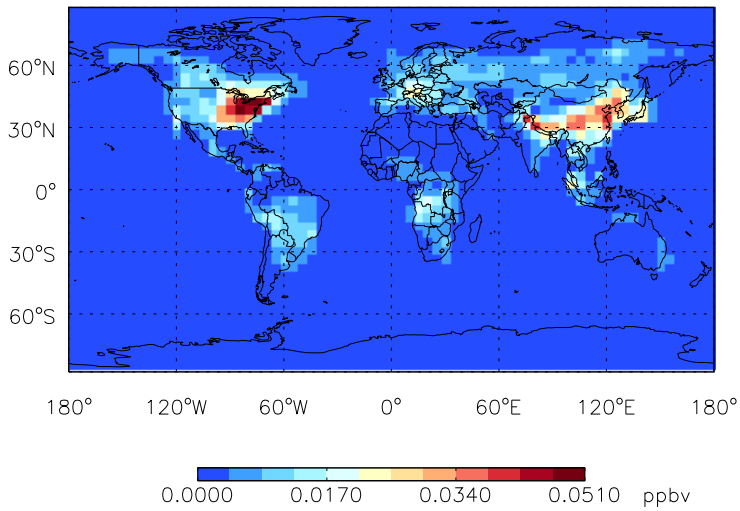
Tracer Map @ 500 hPa - PMN



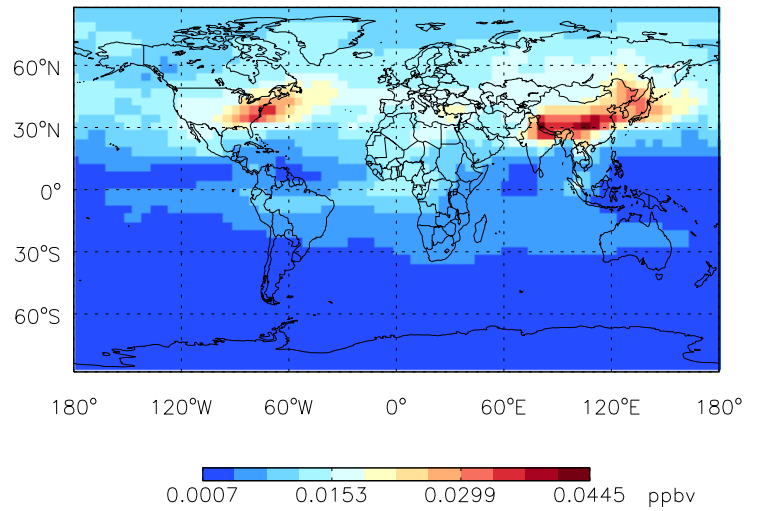
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

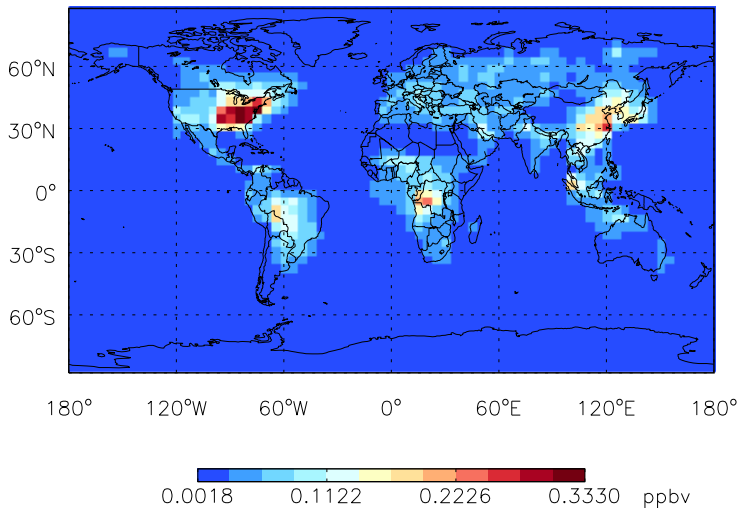
Tracer Map @ Surface – PPN



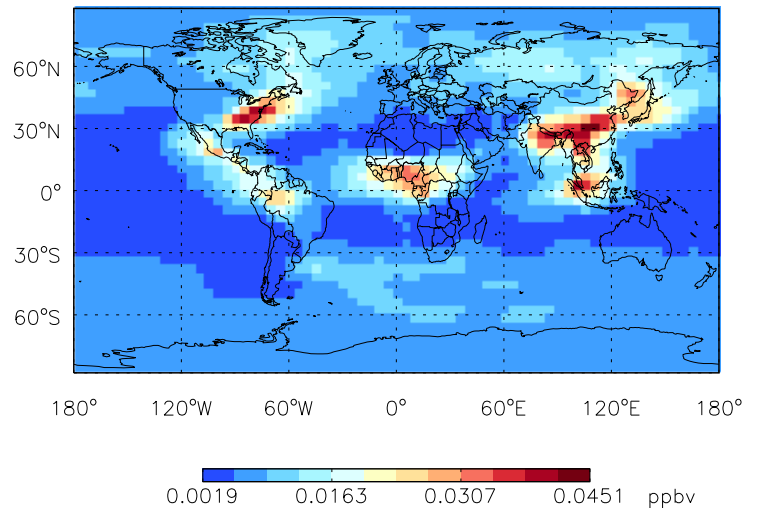
Tracer Map @ 500 hPa – PPN



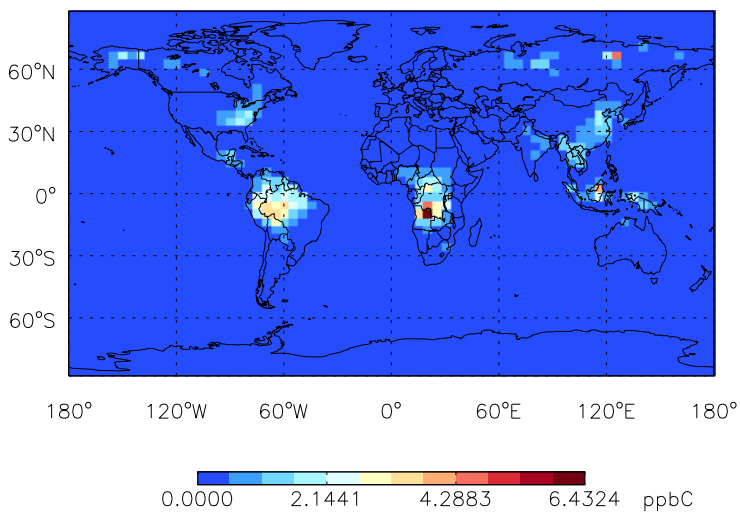
Tracer Map @ Surface – R4N2



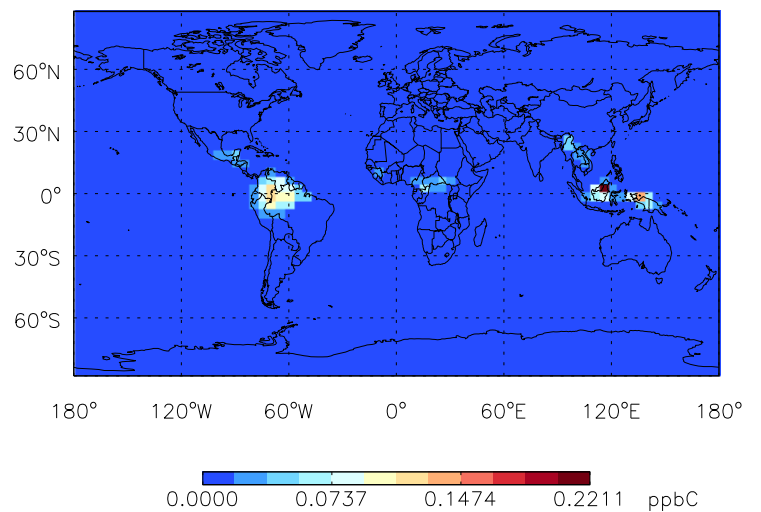
Tracer Map @ 500 hPa – R4N2



Tracer Map @ Surface – PRPE



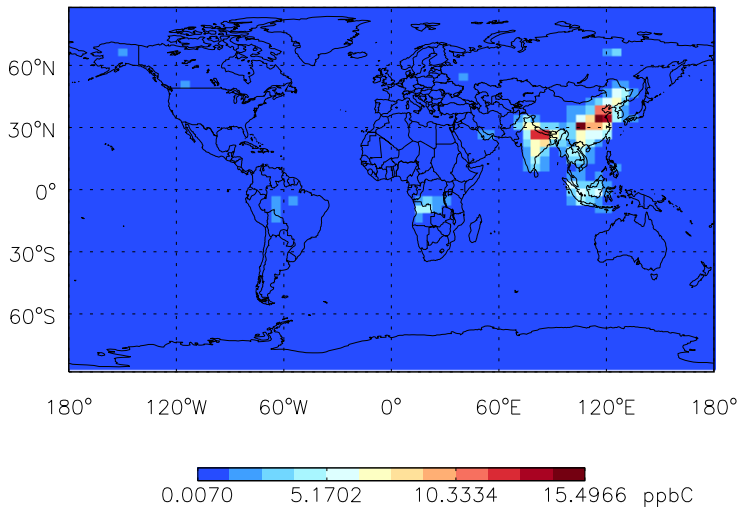
Tracer Map @ 500 hPa – PRPE



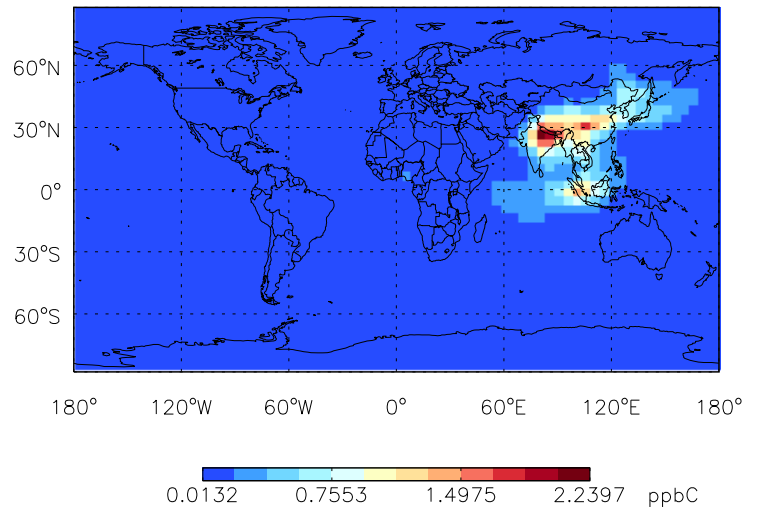
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

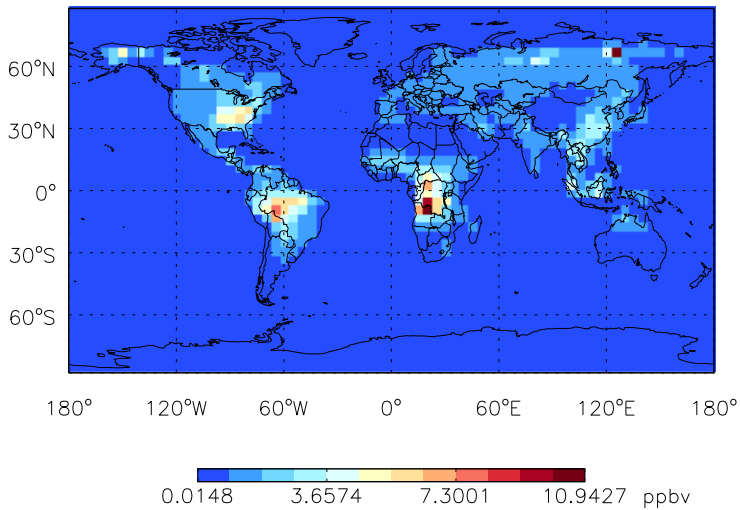
Tracer Map @ Surface - C3H8



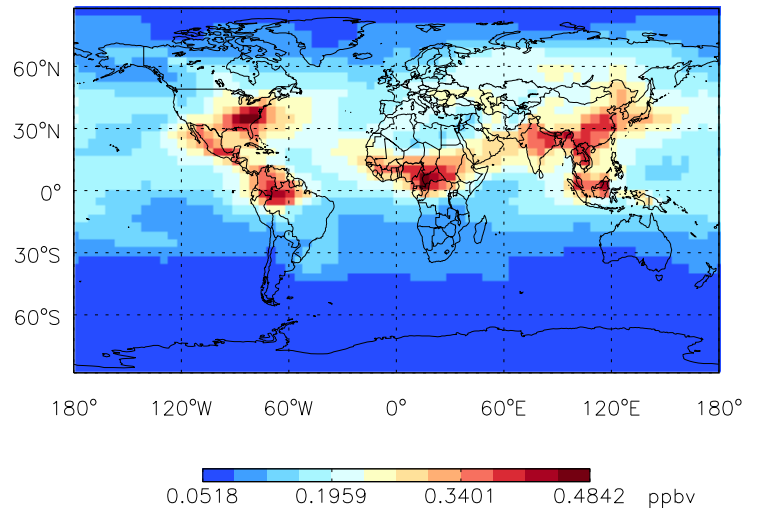
Tracer Map @ 500 hPa - C3H8



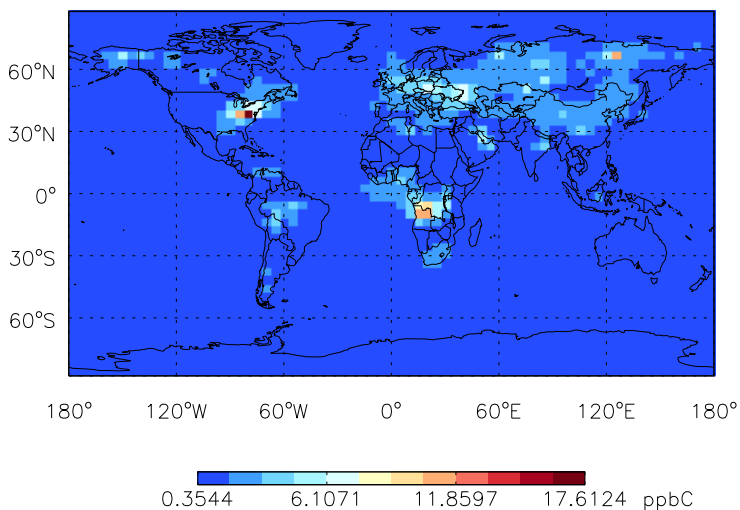
Tracer Map @ Surface - CH2O



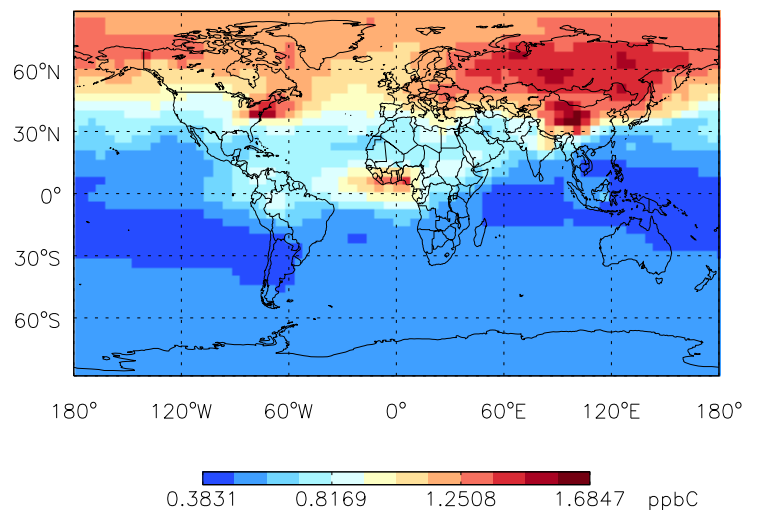
Tracer Map @ 500 hPa - CH2O



Tracer Map @ Surface - C2H6



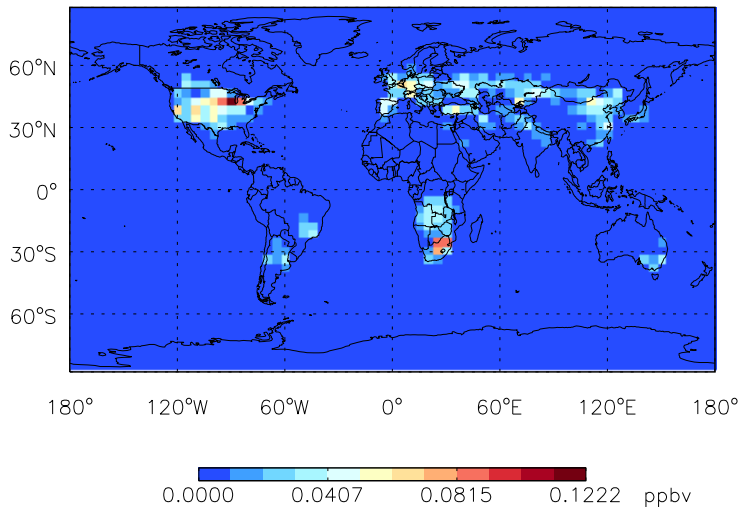
Tracer Map @ 500 hPa - C2H6



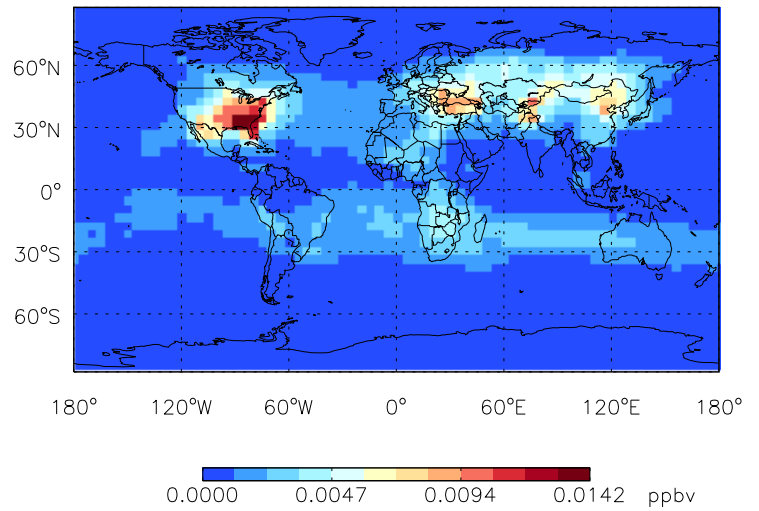
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

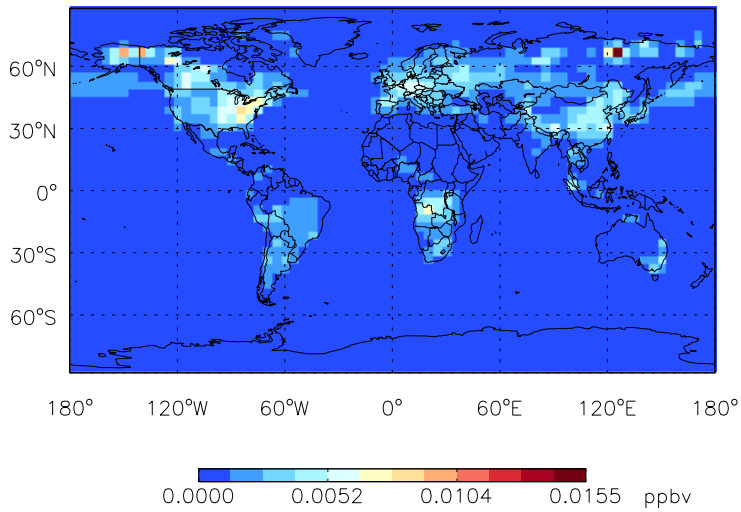
Tracer Map @ Surface – N2O5



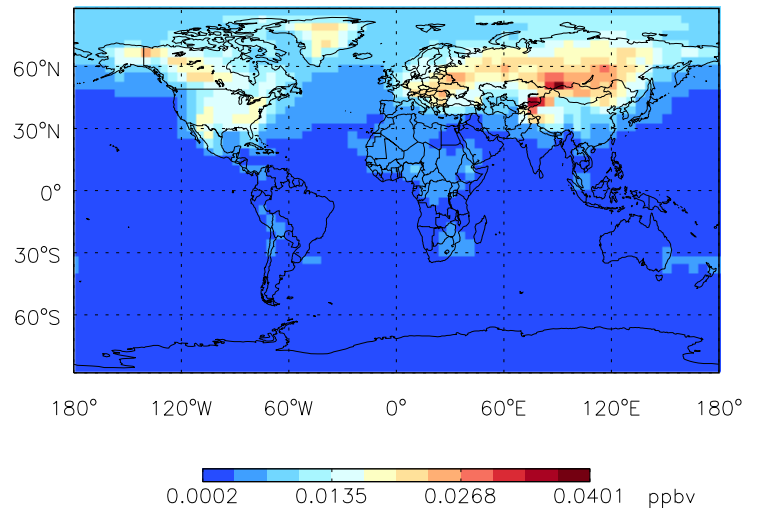
Tracer Map @ 500 hPa – N2O5



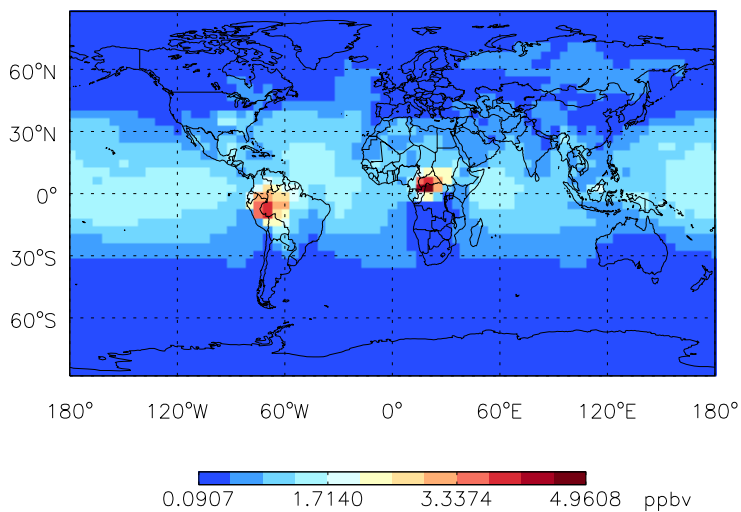
Tracer Map @ Surface – HNO4



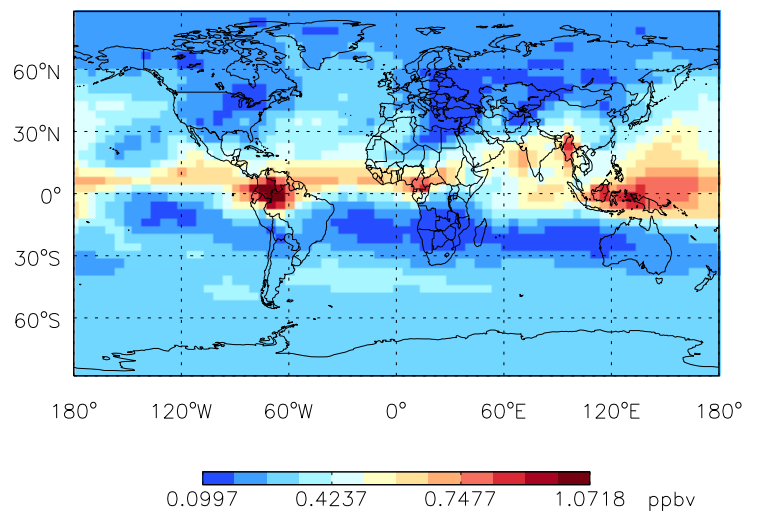
Tracer Map @ 500 hPa – HNO4



Tracer Map @ Surface – MP



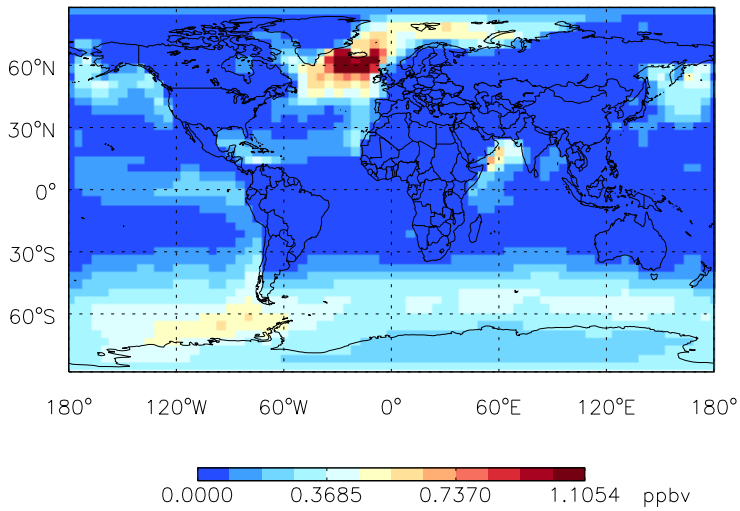
Tracer Map @ 500 hPa – MP



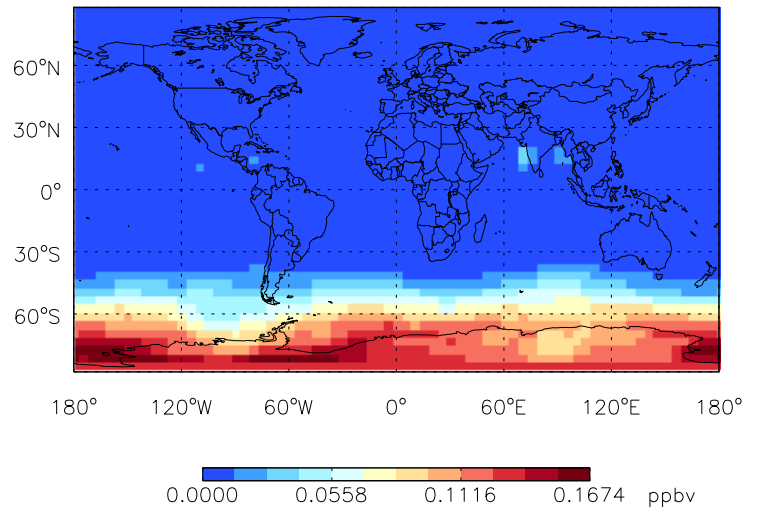
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

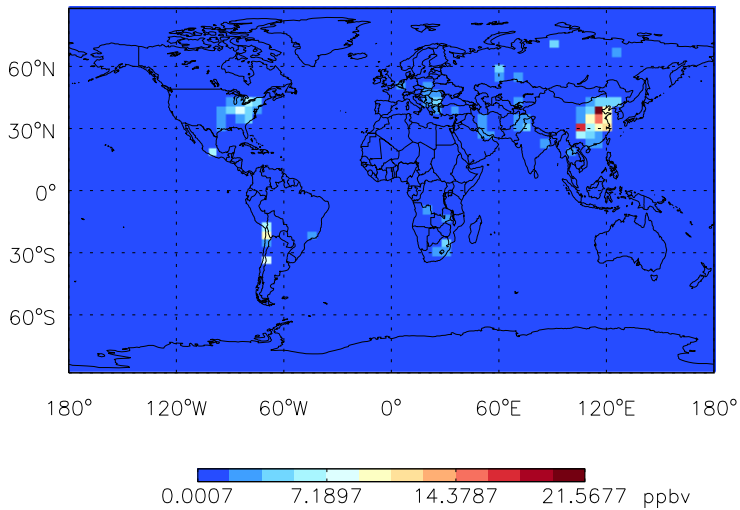
Tracer Map @ Surface - DMS



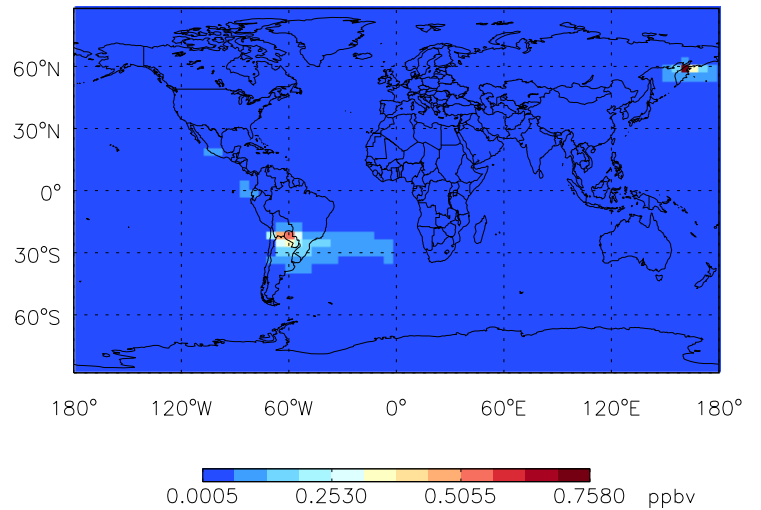
Tracer Map @ 500 hPa - DMS



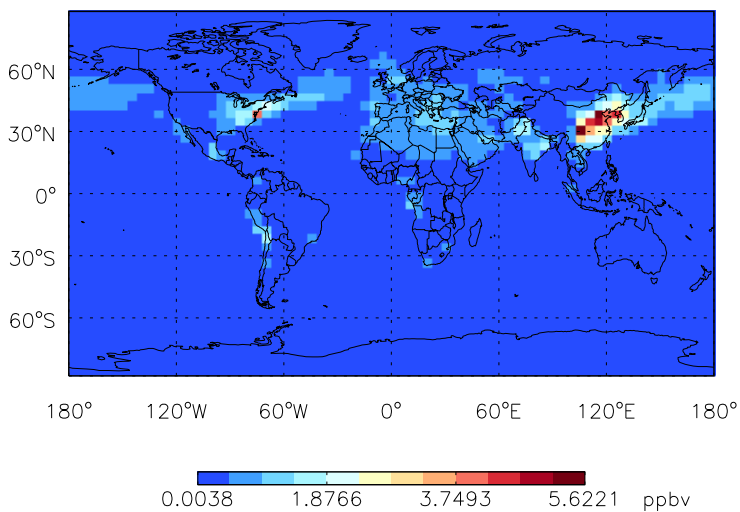
Tracer Map @ Surface - SO2



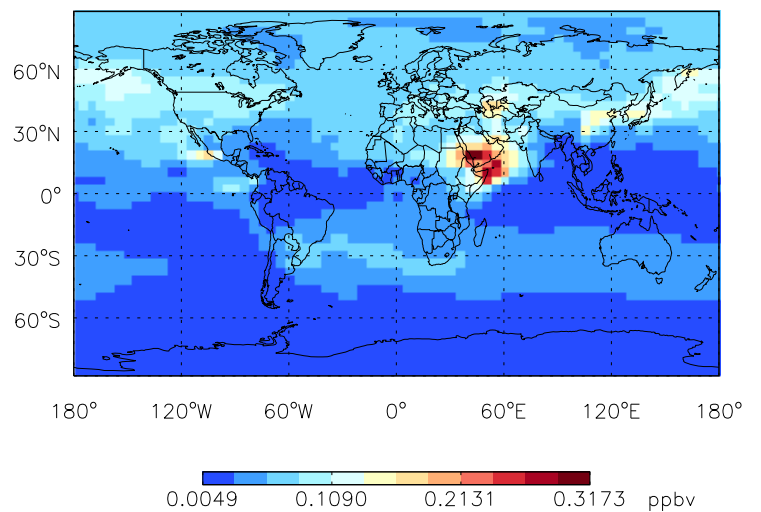
Tracer Map @ 500 hPa - SO2



Tracer Map @ Surface - SO4



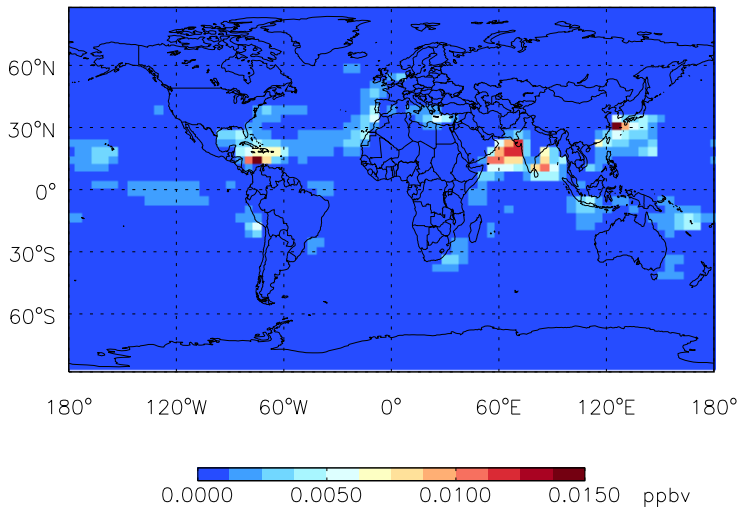
Tracer Map @ 500 hPa - SO4



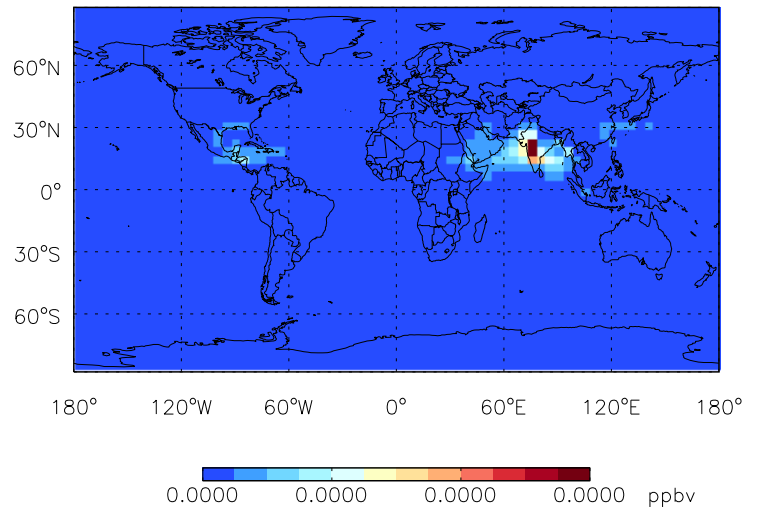
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

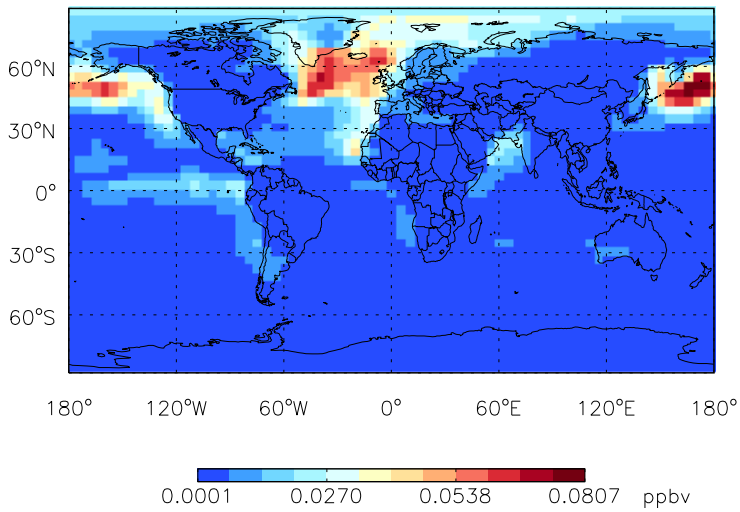
Tracer Map @ Surface - SO4s



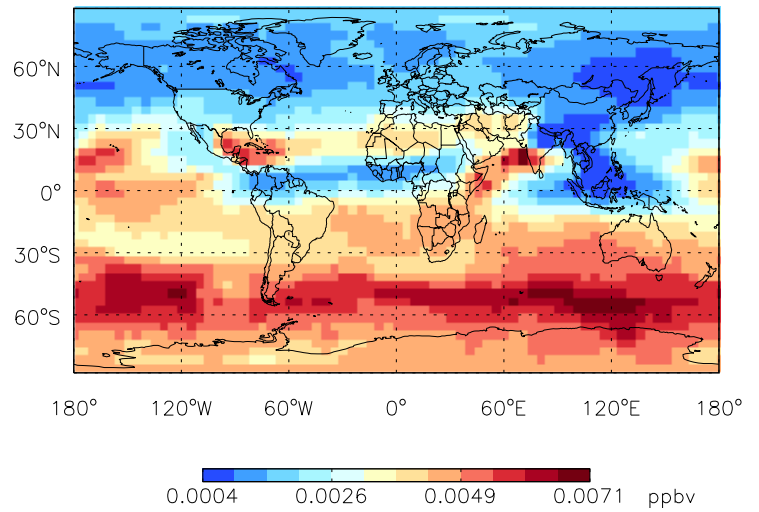
Tracer Map @ 500 hPa - SO4s



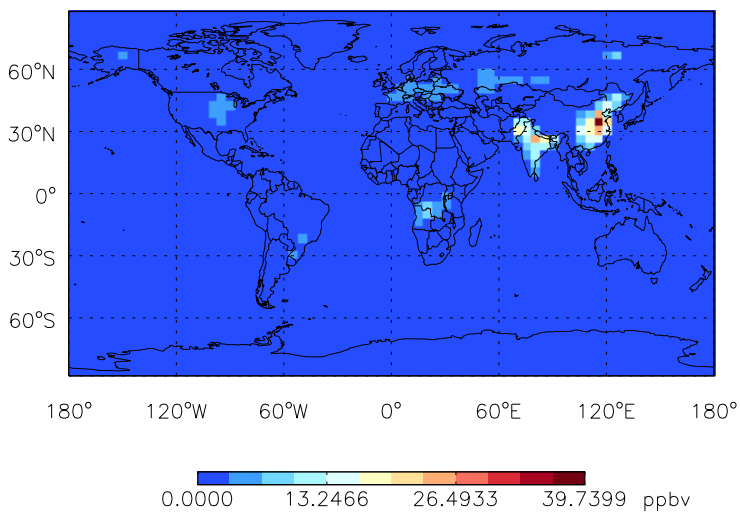
Tracer Map @ Surface - MSA



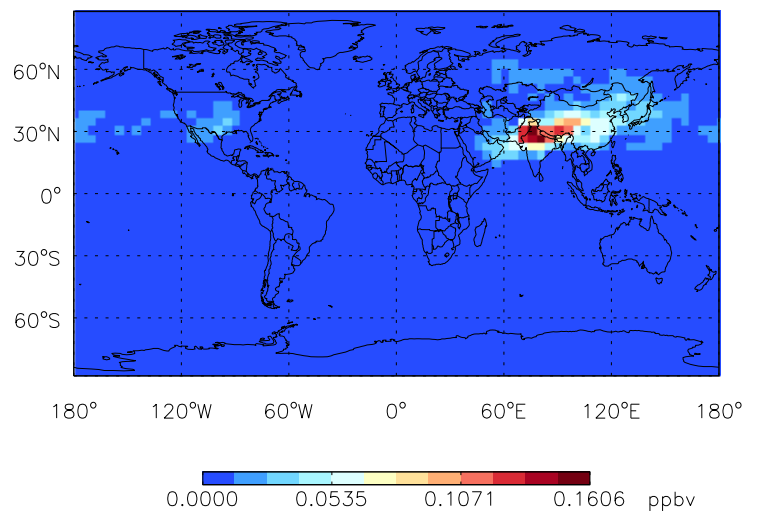
Tracer Map @ 500 hPa - MSA



Tracer Map @ Surface - NH3



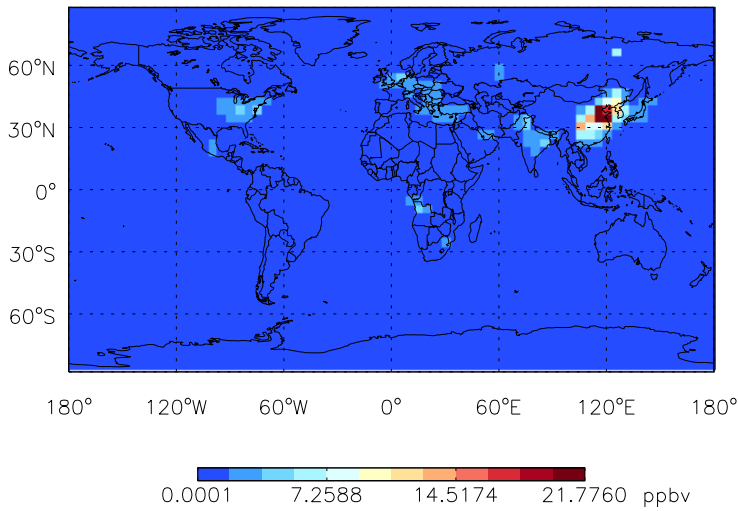
Tracer Map @ 500 hPa - NH3



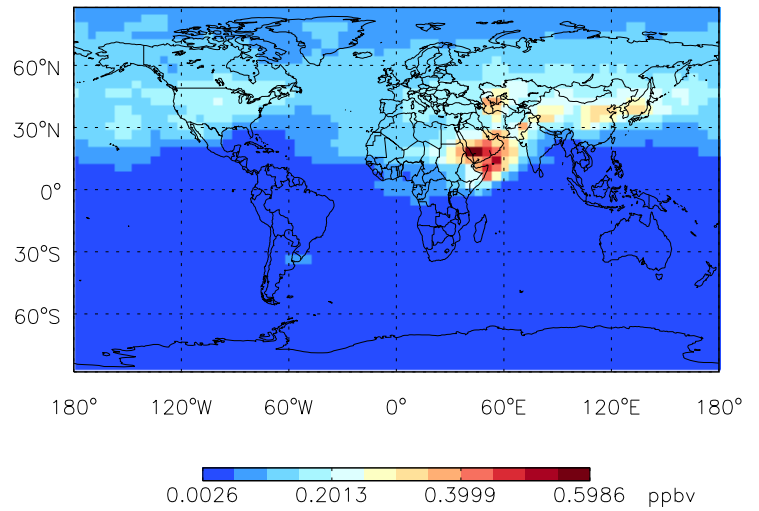
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

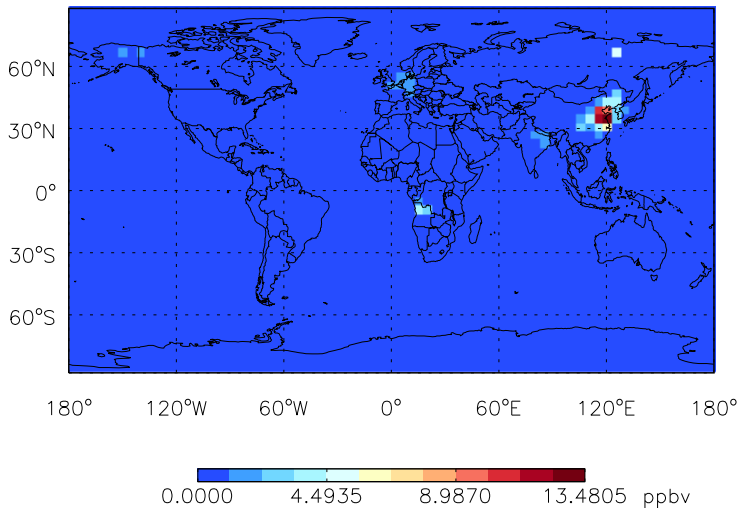
Tracer Map @ Surface - NH4



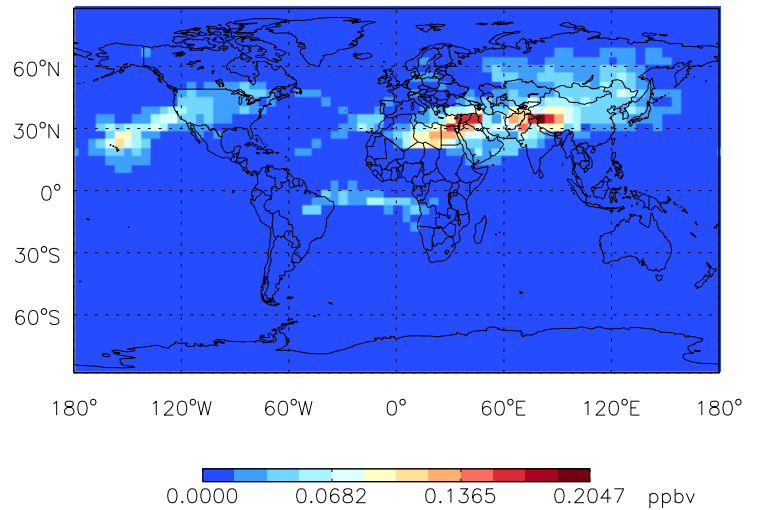
Tracer Map @ 500 hPa - NH4



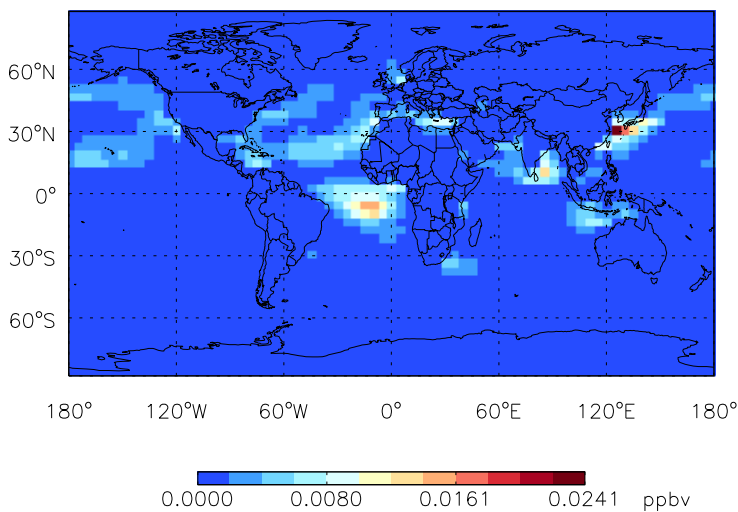
Tracer Map @ Surface - NIT



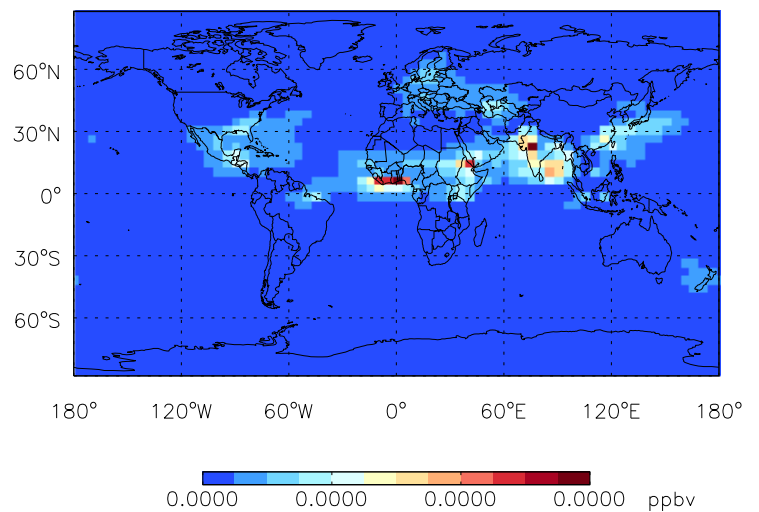
Tracer Map @ 500 hPa - NIT



Tracer Map @ Surface - NITs



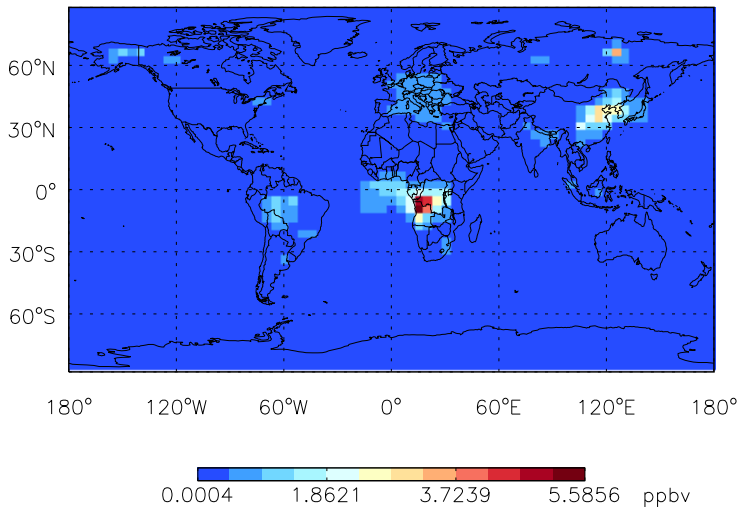
Tracer Map @ 500 hPa - NITs



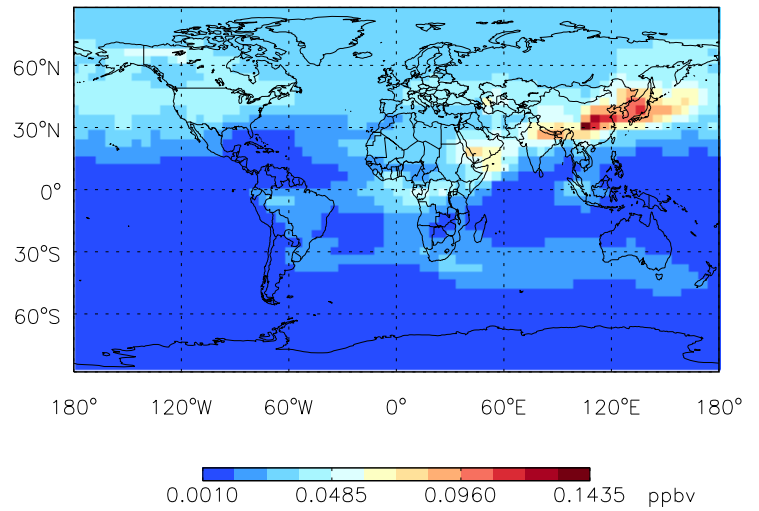
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

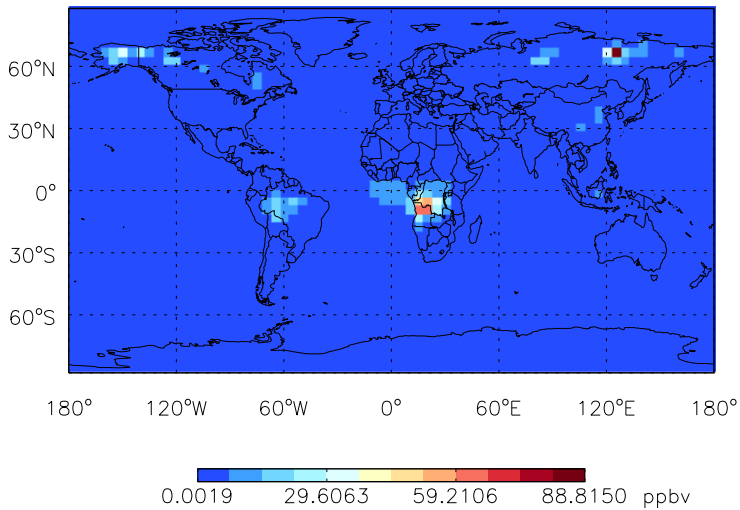
Tracer Map @ Surface – BCPI



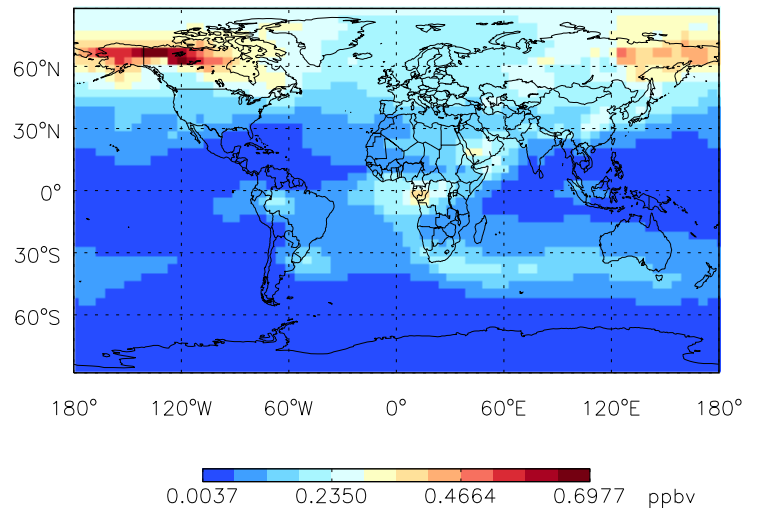
Tracer Map @ 500 hPa – BCPI



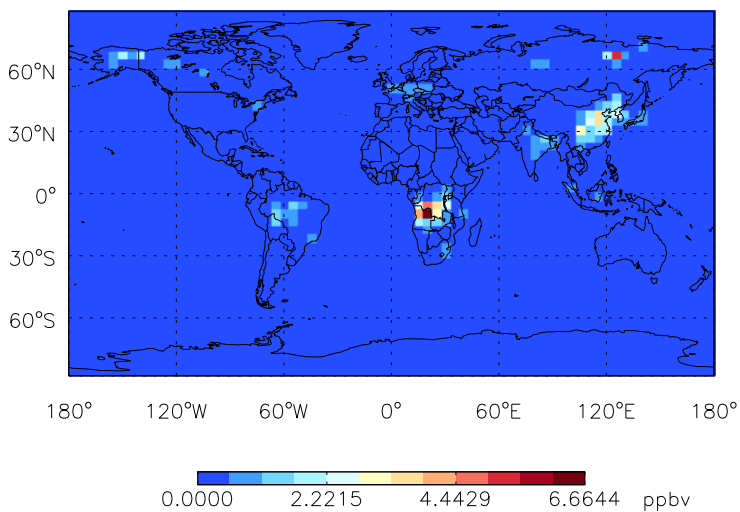
Tracer Map @ Surface – OCPI



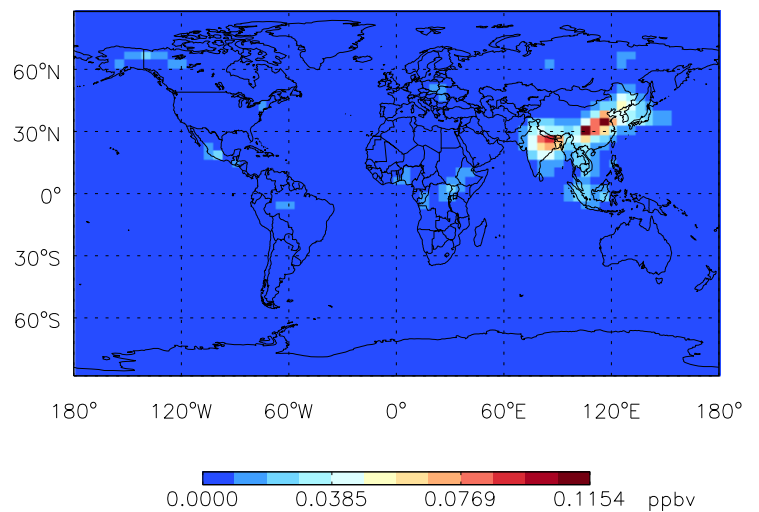
Tracer Map @ 500 hPa – OCPI



Tracer Map @ Surface – BCPO



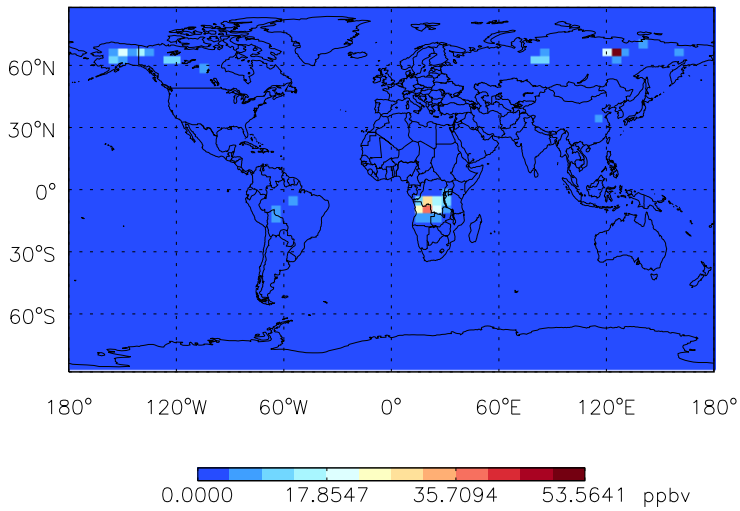
Tracer Map @ 500 hPa – BCPO



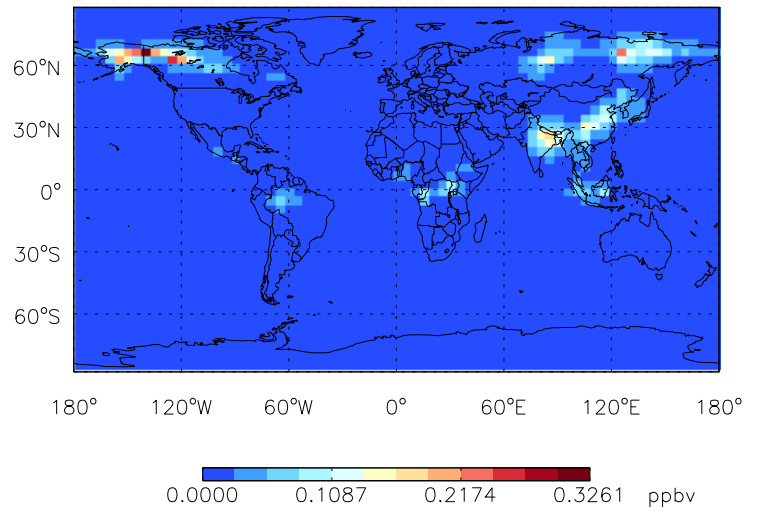
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

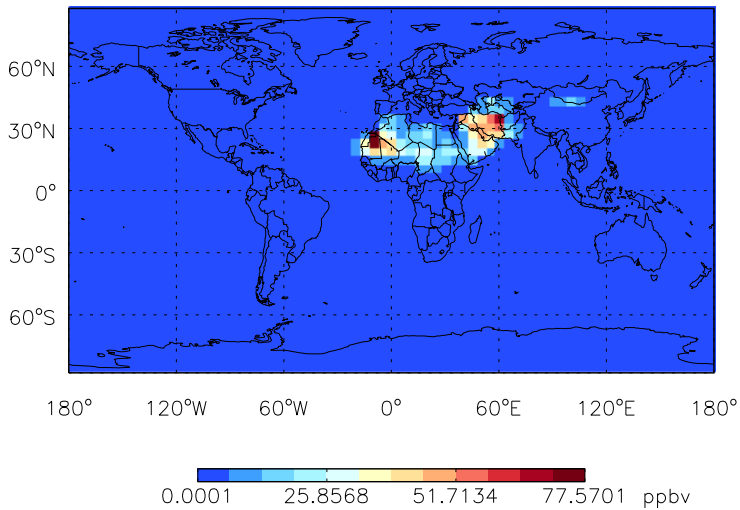
Tracer Map @ Surface - OCPO



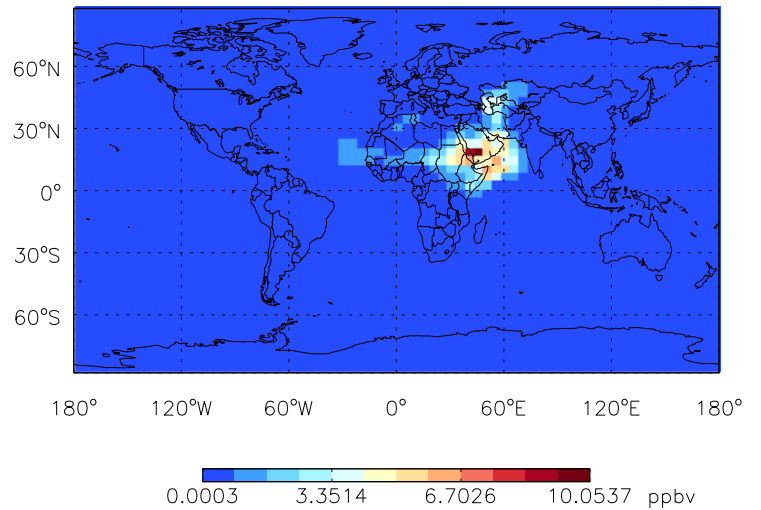
Tracer Map @ 500 hPa - OCPO



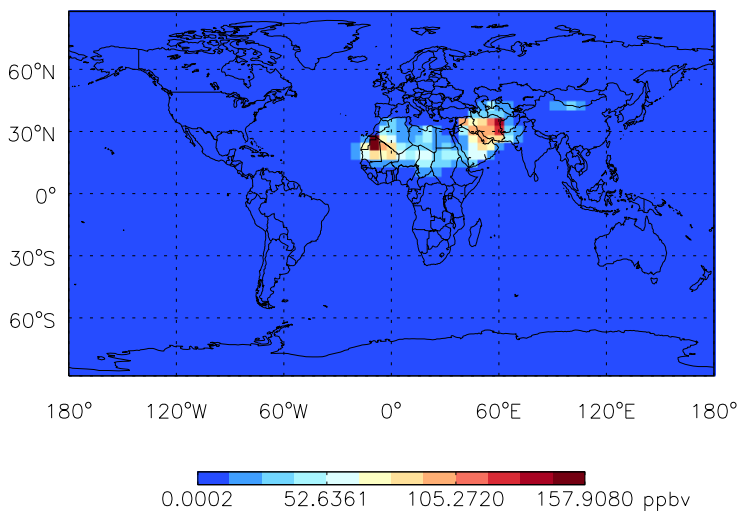
Tracer Map @ Surface - DST1



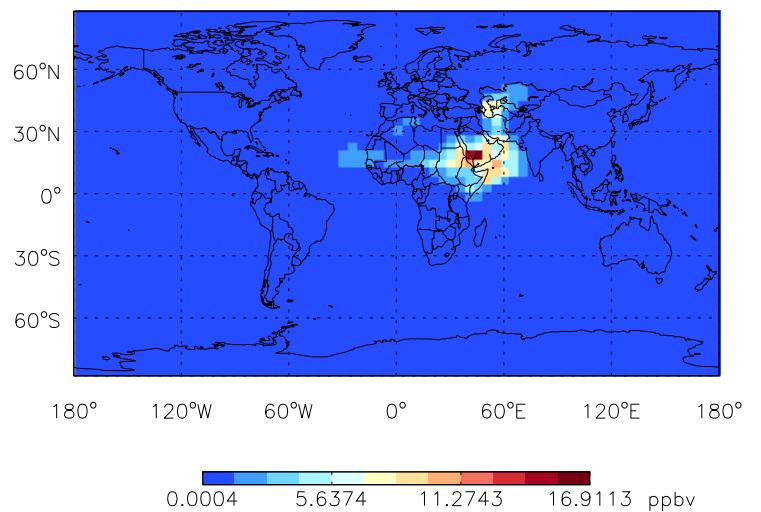
Tracer Map @ 500 hPa - DST1



Tracer Map @ Surface - DST2



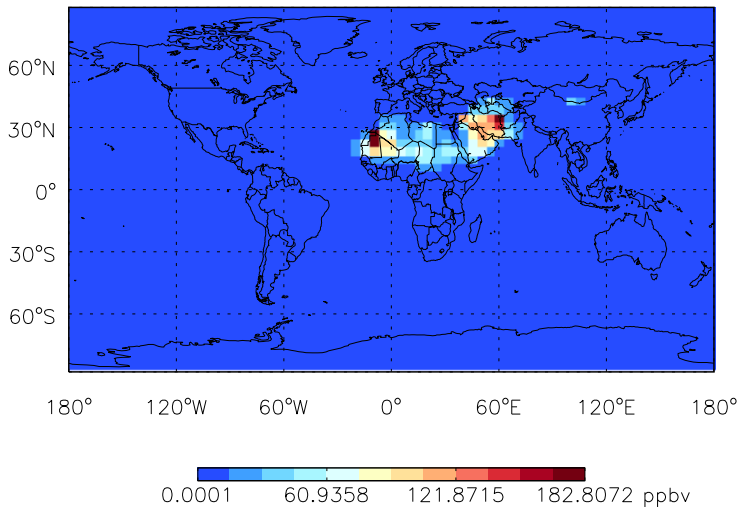
Tracer Map @ 500 hPa - DST2



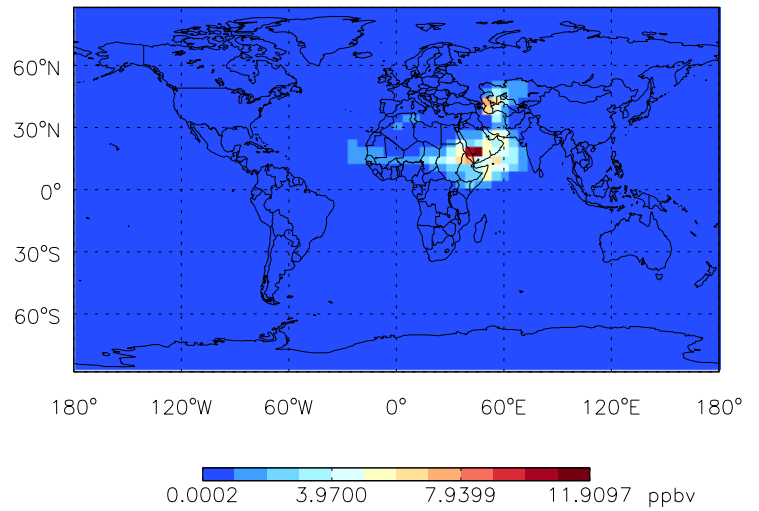
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

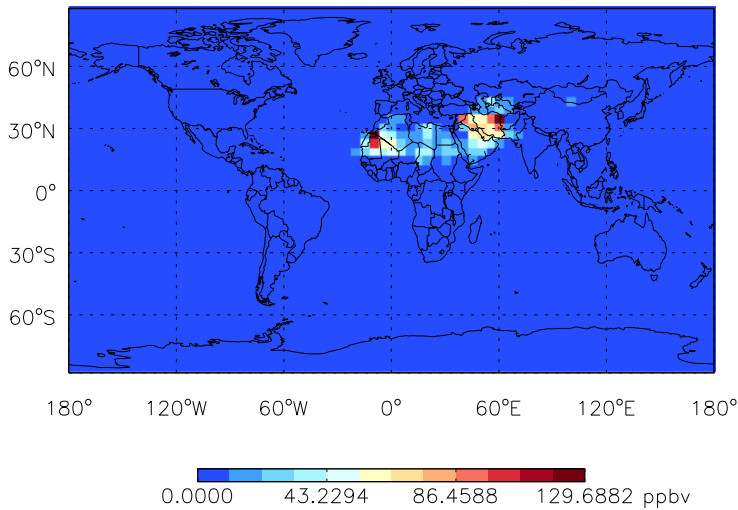
Tracer Map @ Surface - DST3



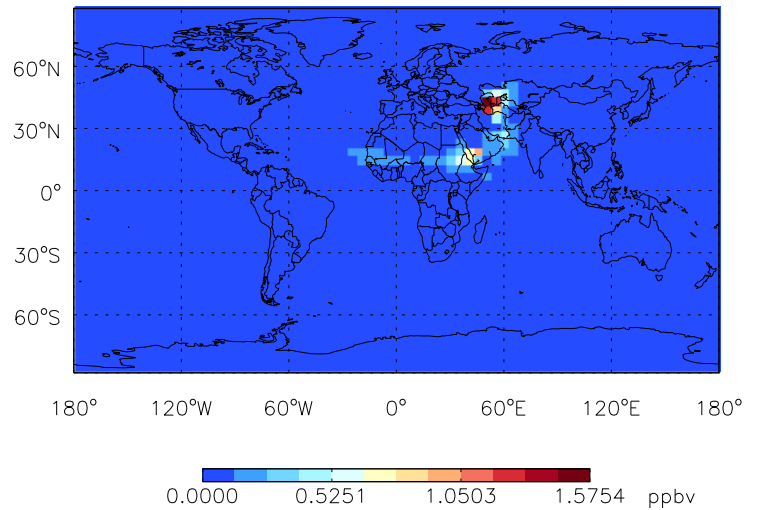
Tracer Map @ 500 hPa - DST3



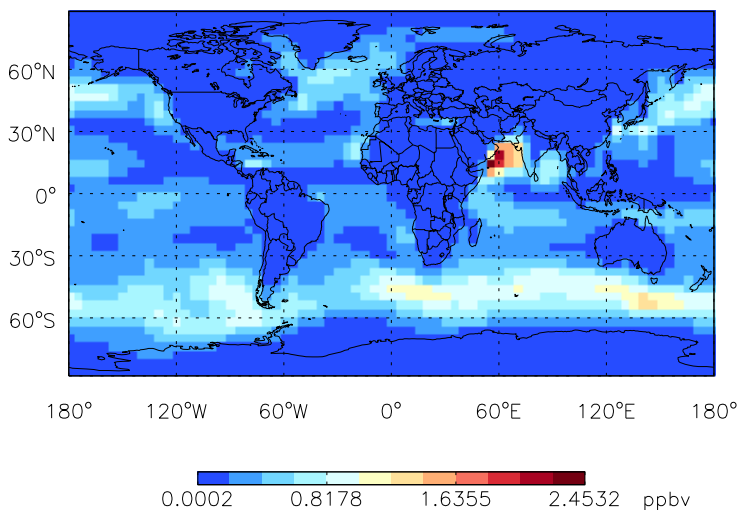
Tracer Map @ Surface - DST4



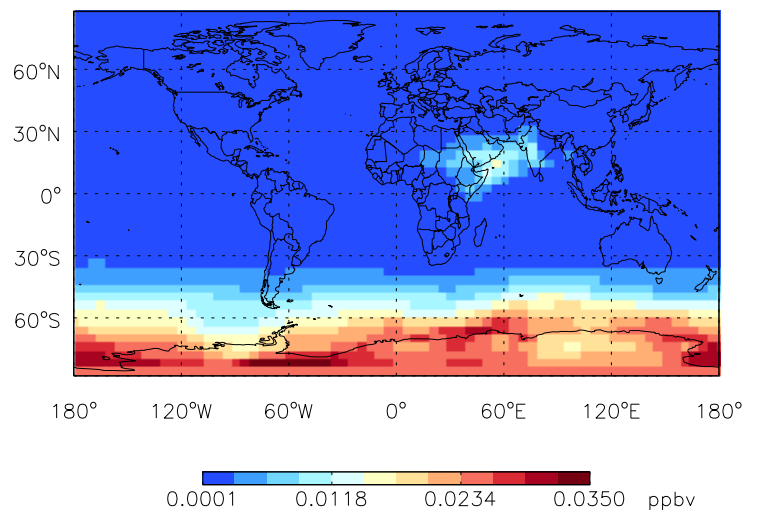
Tracer Map @ 500 hPa - DST4



Tracer Map @ Surface - SALA



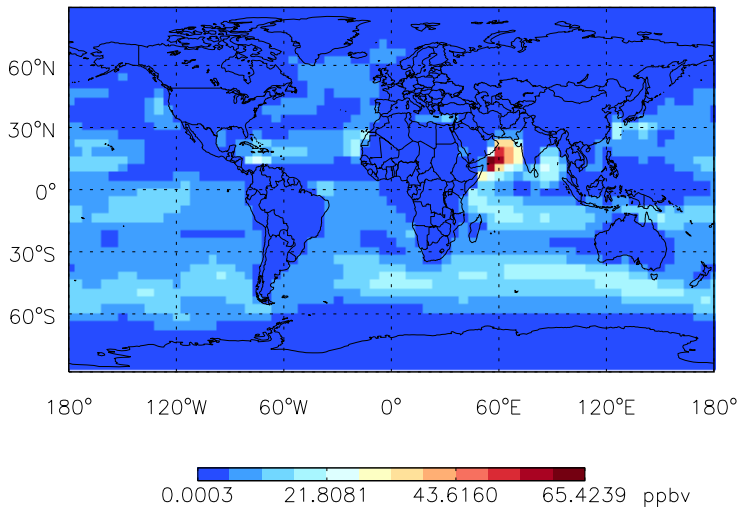
Tracer Map @ 500 hPa - SALA



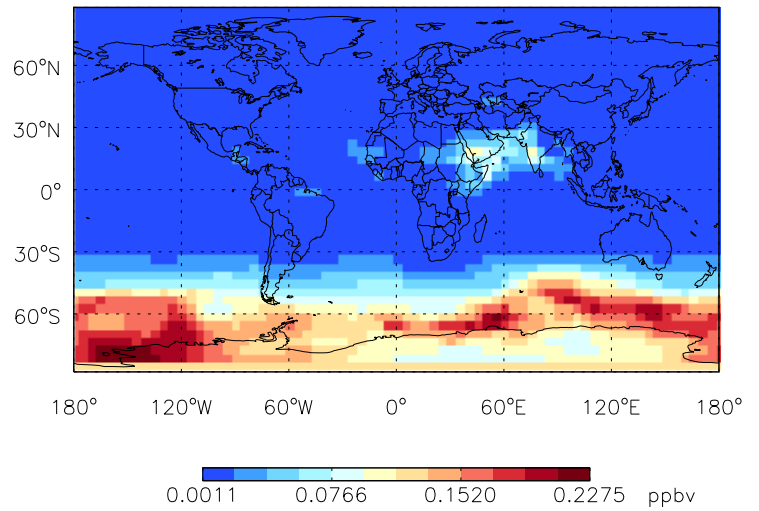
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

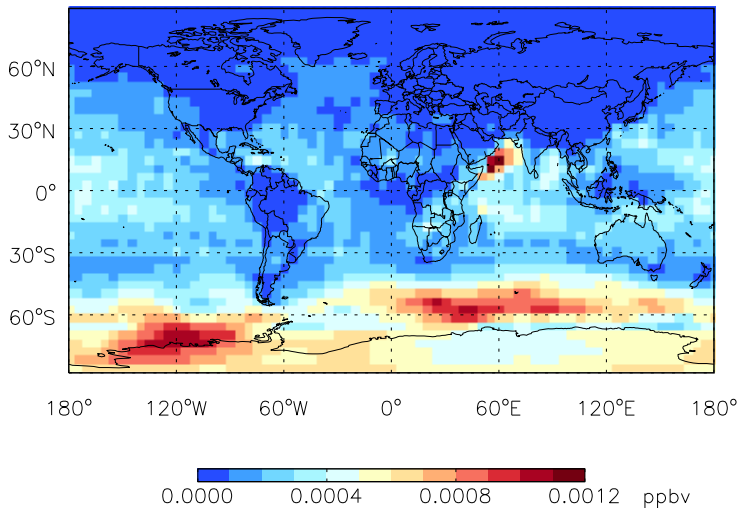
Tracer Map @ Surface – SALC



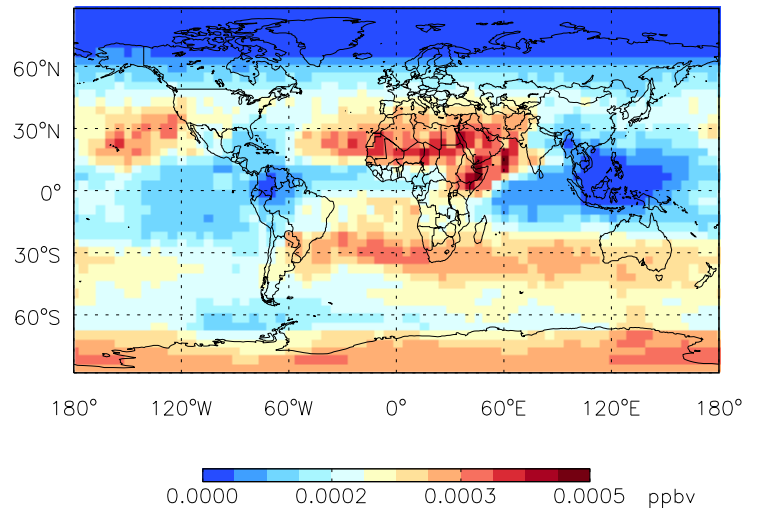
Tracer Map @ 500 hPa – SALC



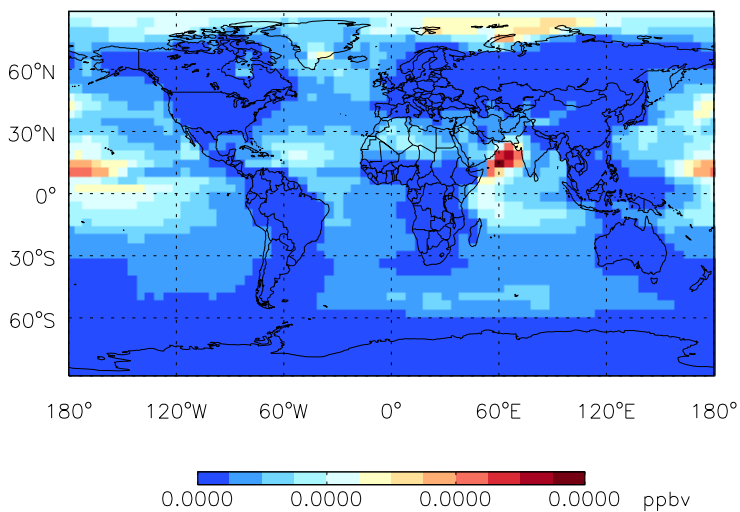
Tracer Map @ Surface – Br2



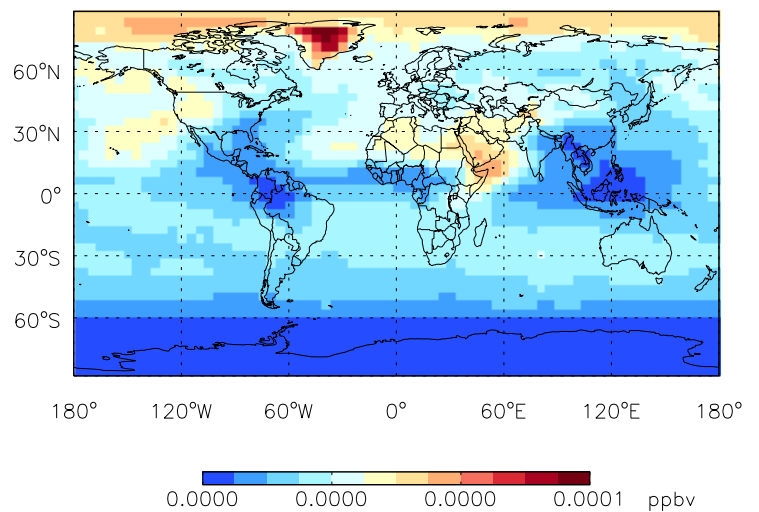
Tracer Map @ 500 hPa – Br2



Tracer Map @ Surface – Br



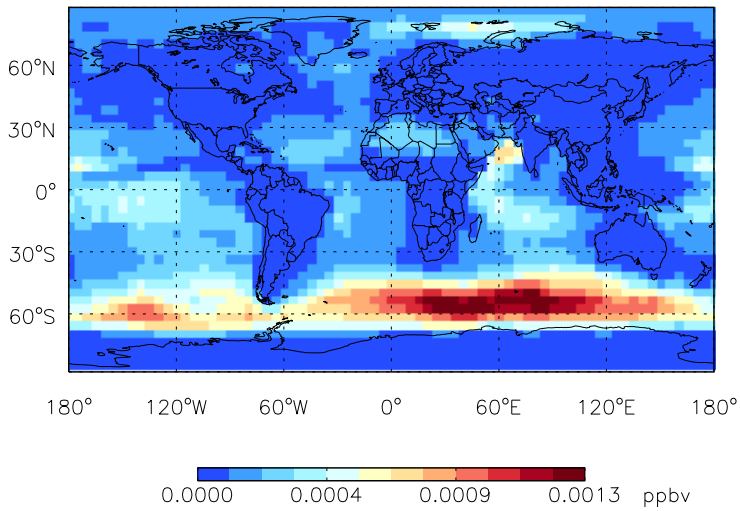
Tracer Map @ 500 hPa – Br



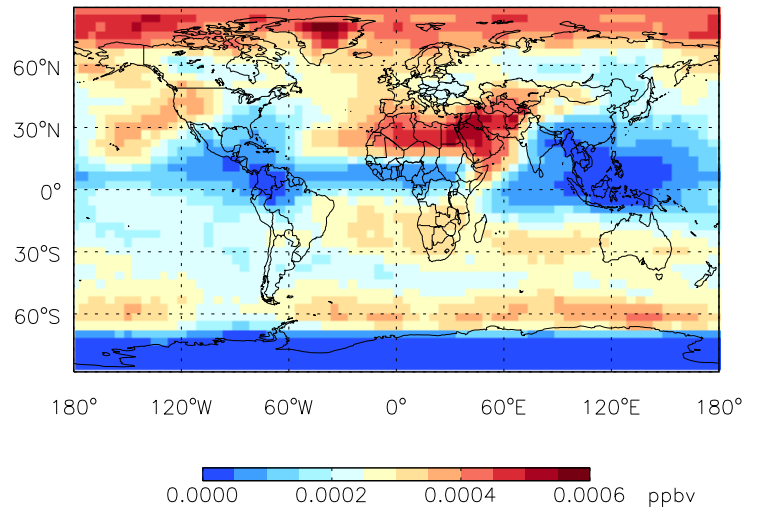
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

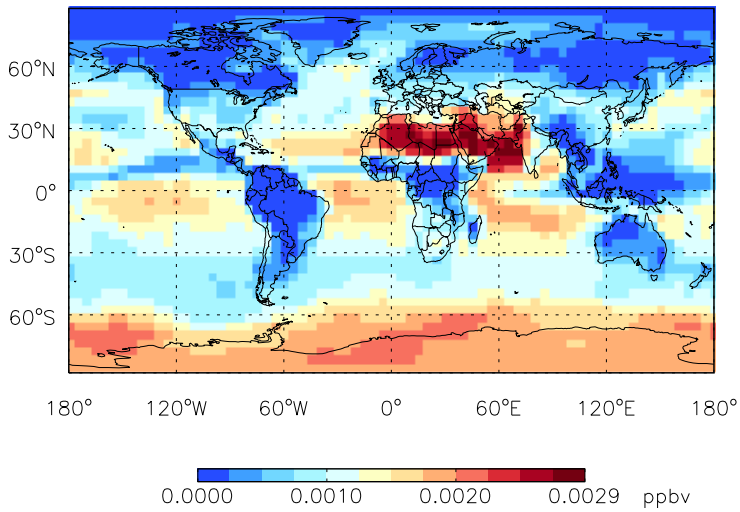
Tracer Map @ Surface – BrO



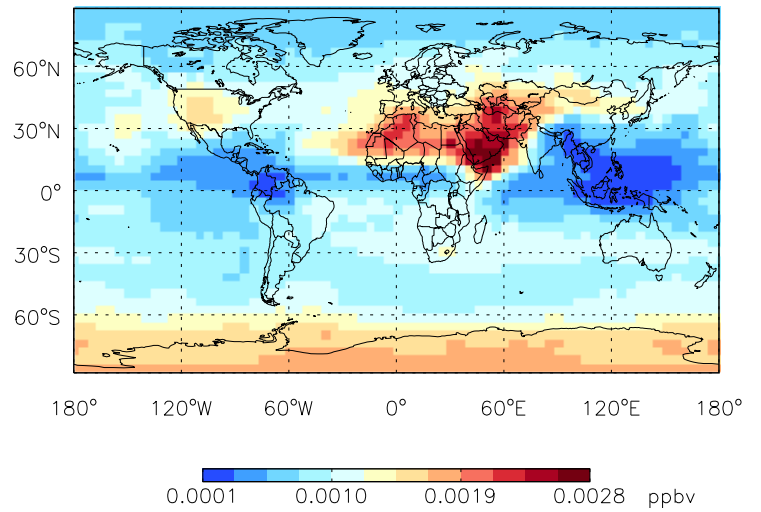
Tracer Map @ 500 hPa – BrO



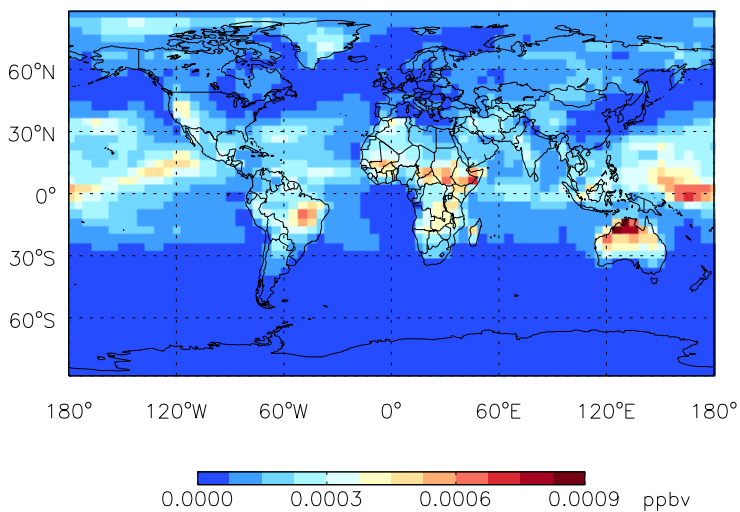
Tracer Map @ Surface – HOBr



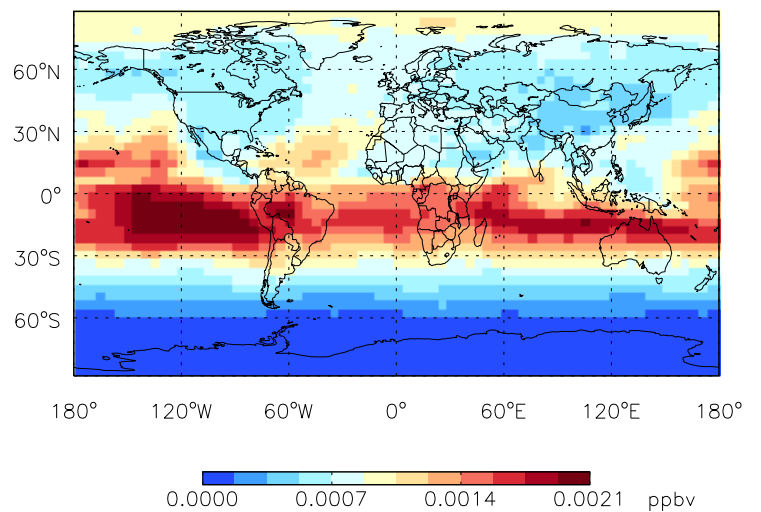
Tracer Map @ 500 hPa – HOBr



Tracer Map @ Surface – HBr



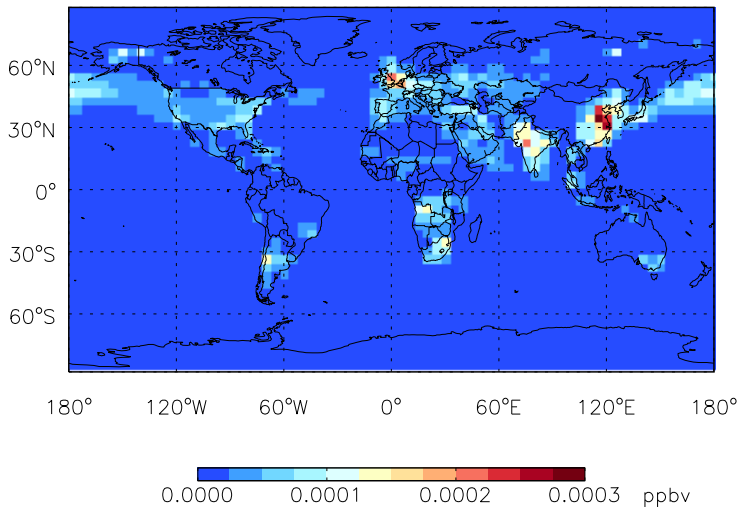
Tracer Map @ 500 hPa – HBr



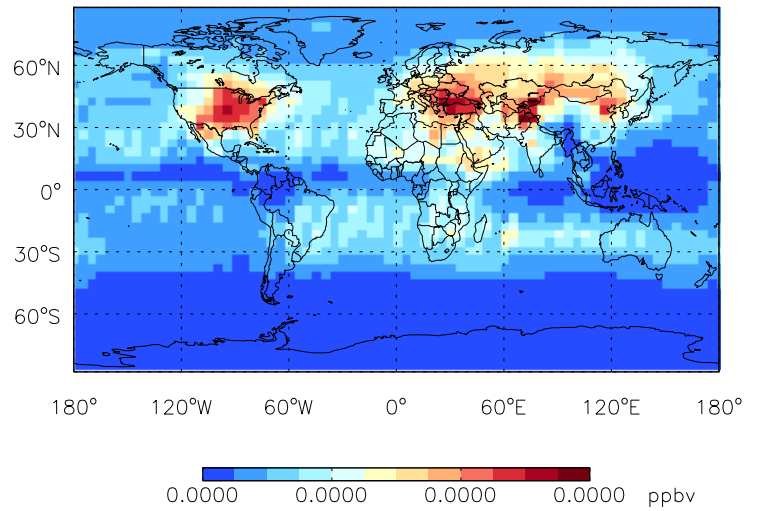
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

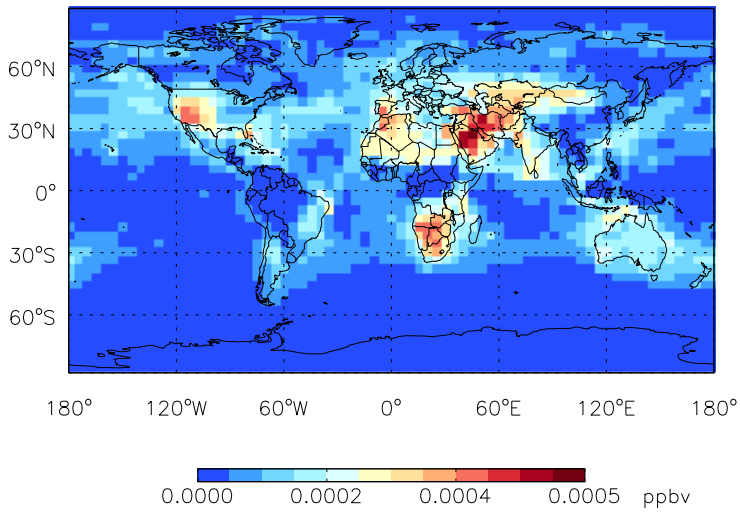
Tracer Map @ Surface – BrN02



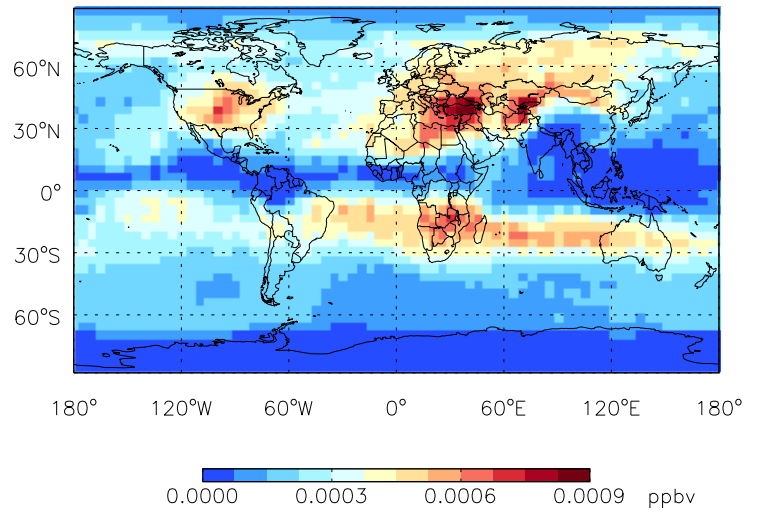
Tracer Map @ 500 hPa – BrN02



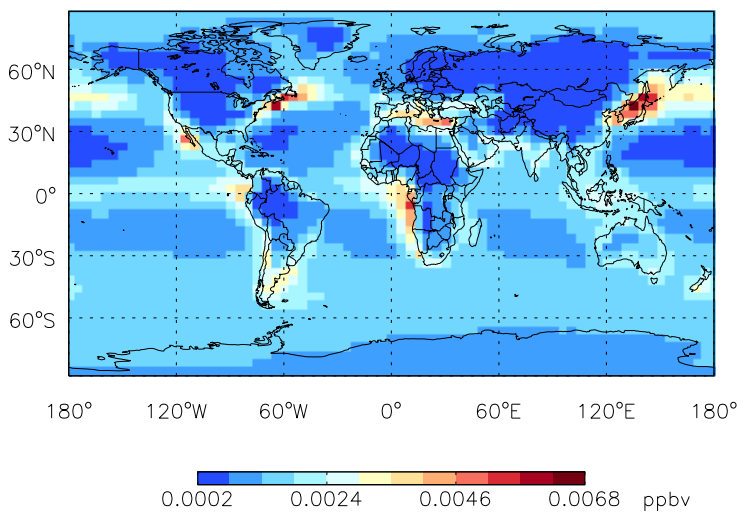
Tracer Map @ Surface – BrN03



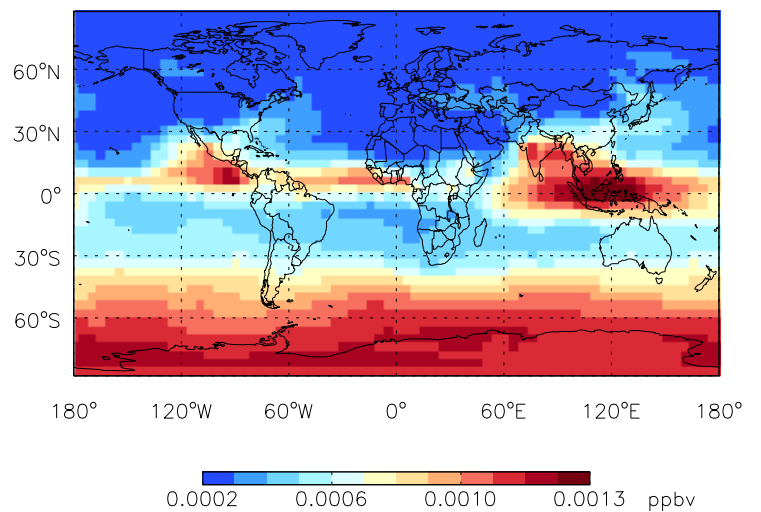
Tracer Map @ 500 hPa – BrN03



Tracer Map @ Surface – CHBr3



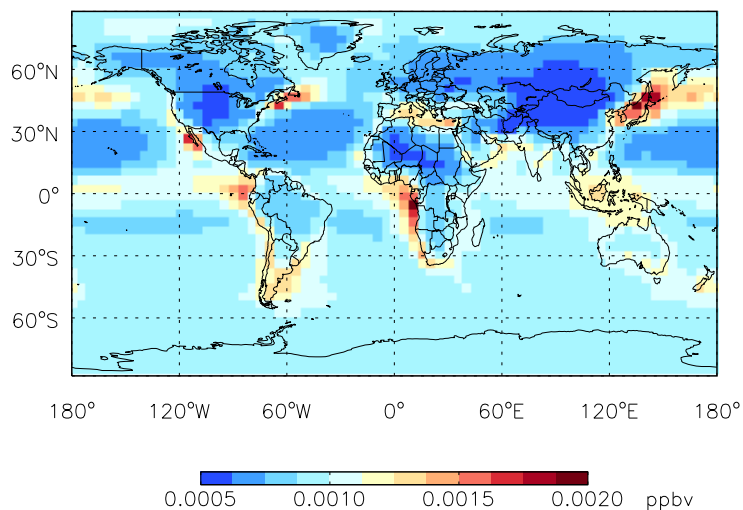
Tracer Map @ 500 hPa – CHBr3



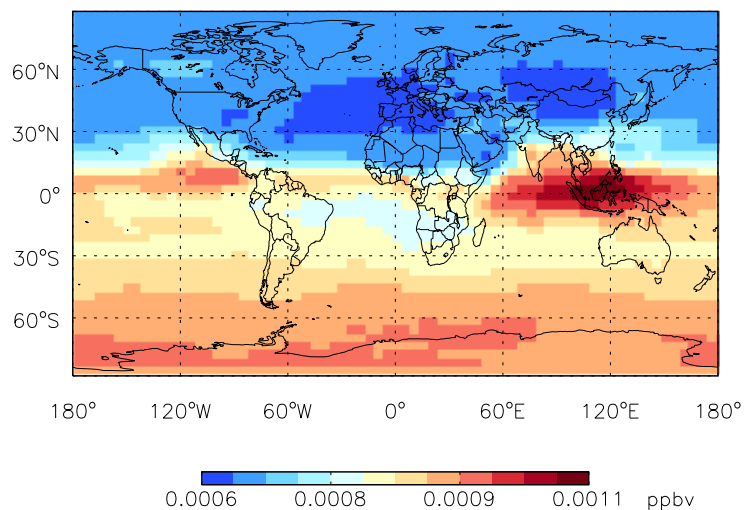
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

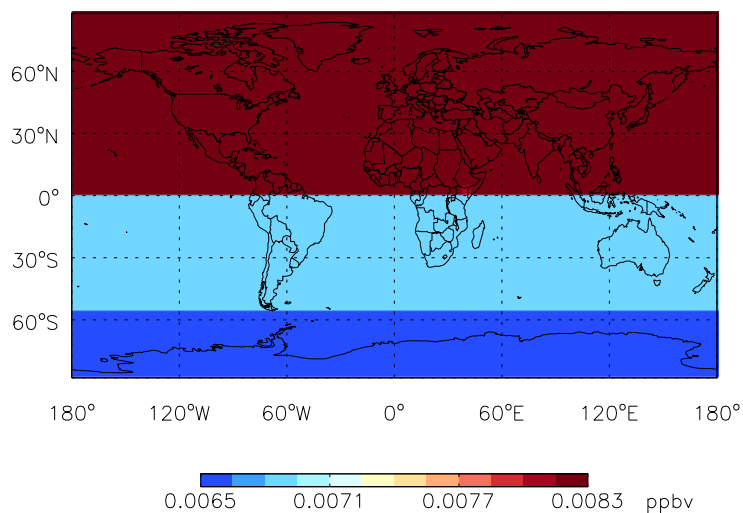
Tracer Map @ Surface - CH₂Br₂



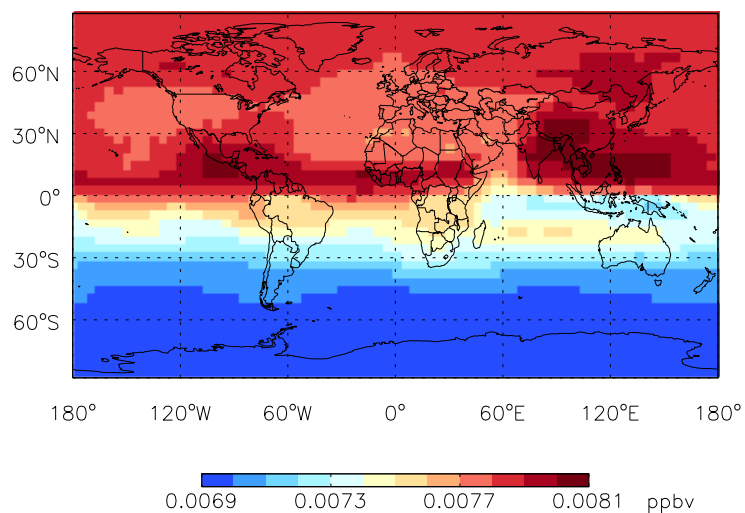
Tracer Map @ 500 hPa - CH₂Br₂



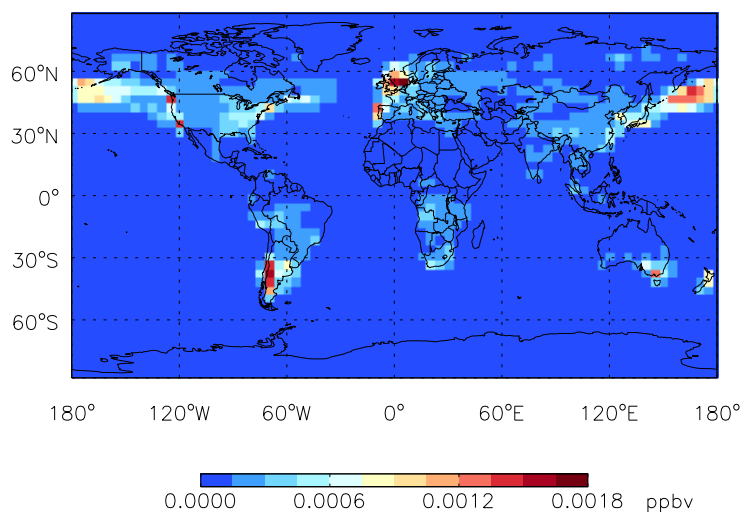
Tracer Map @ Surface - CH₃Br



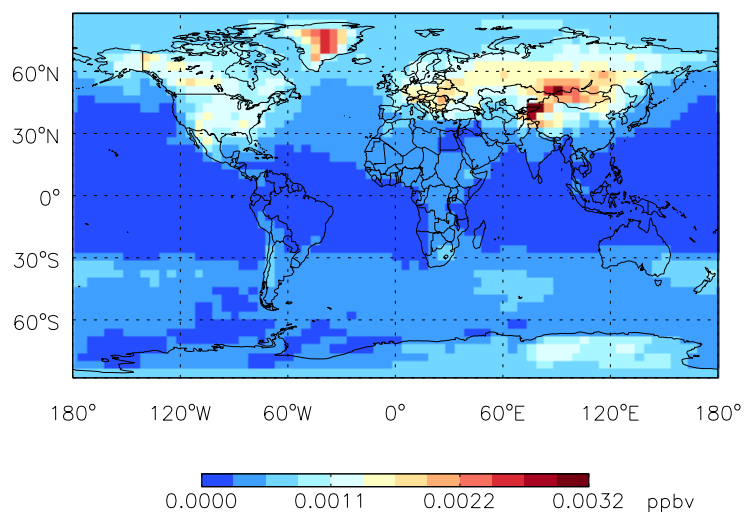
Tracer Map @ 500 hPa - CH₃Br



Tracer Map @ Surface - MPN



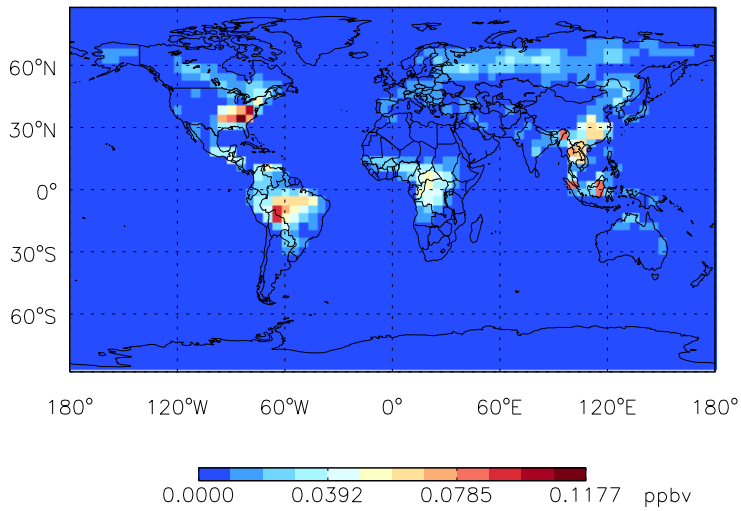
Tracer Map @ 500 hPa - MPN



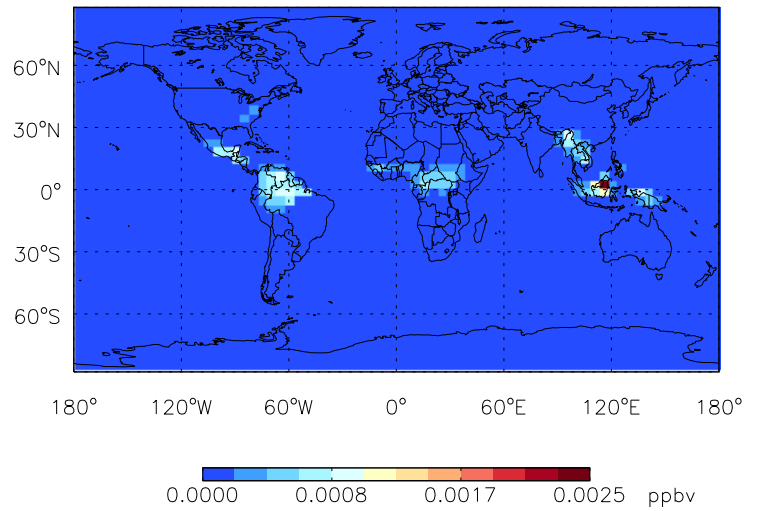
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

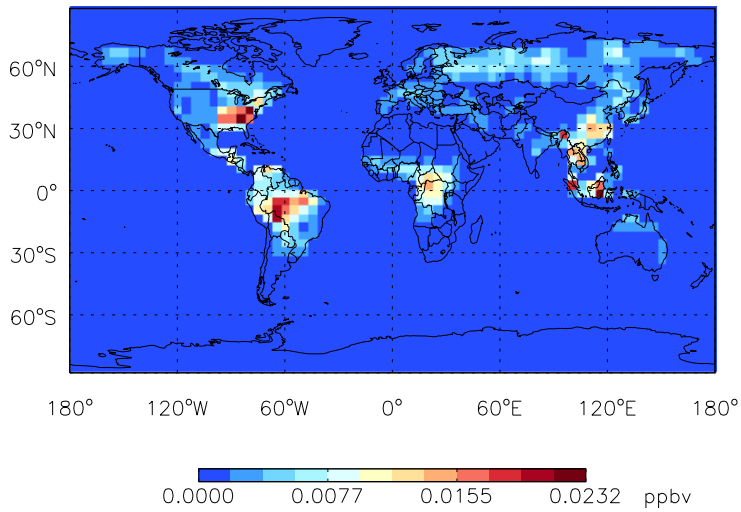
Tracer Map @ Surface – ISOPN



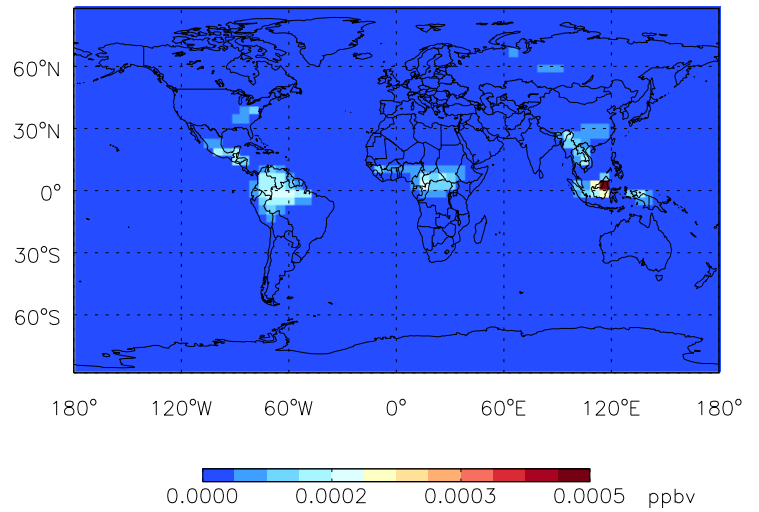
Tracer Map @ 500 hPa – ISOPN



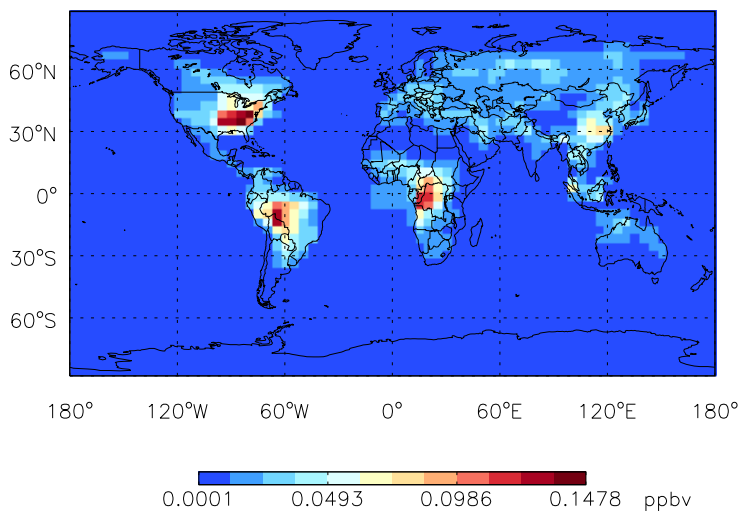
Tracer Map @ Surface – MOBA



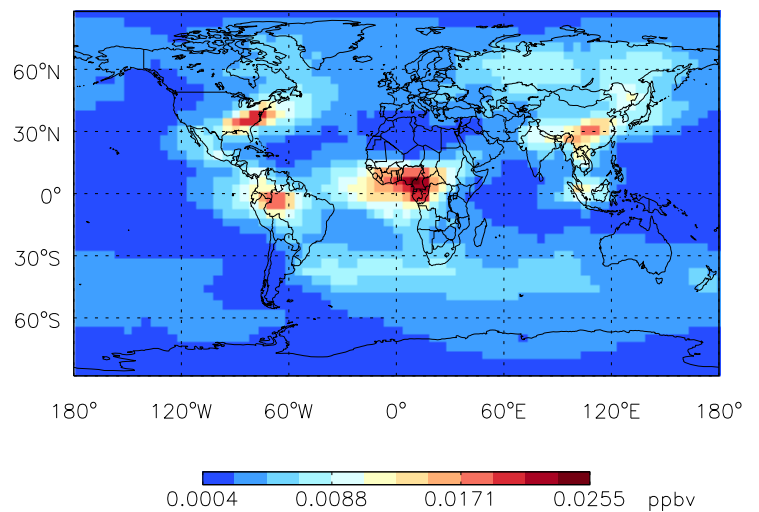
Tracer Map @ 500 hPa – MOBA



Tracer Map @ Surface – PROPNN



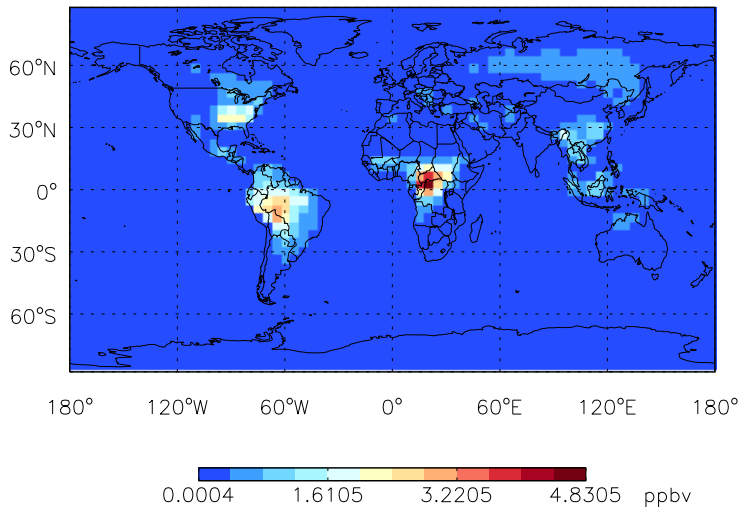
Tracer Map @ 500 hPa – PROPNN



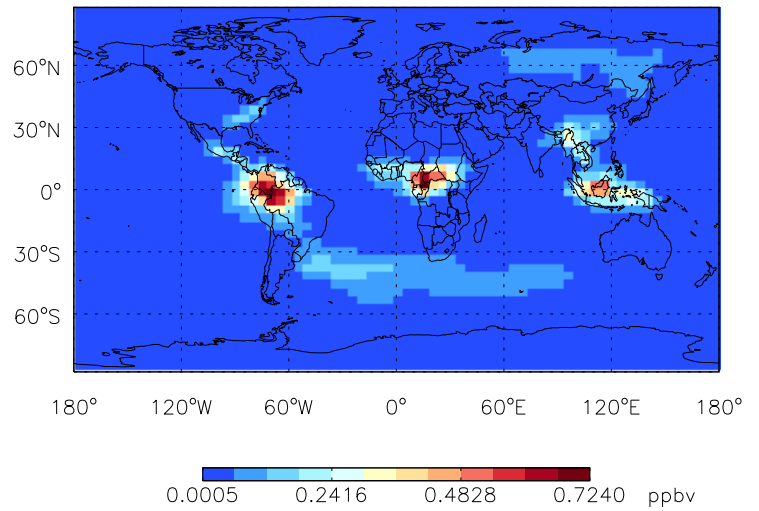
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

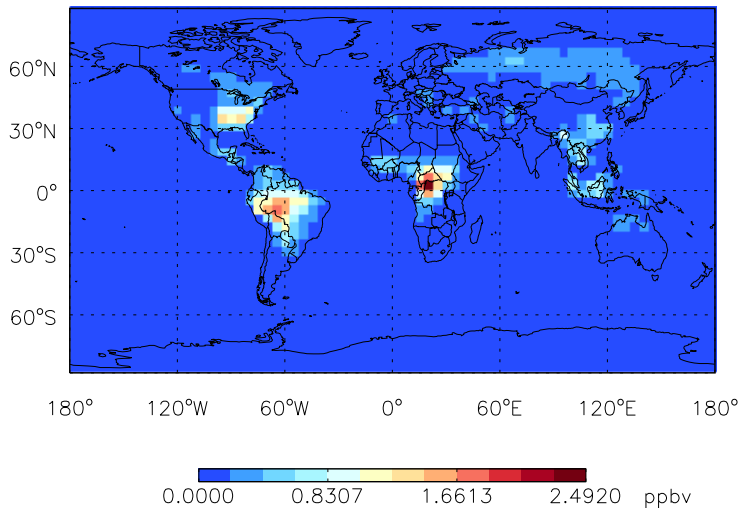
Tracer Map @ Surface - HAC



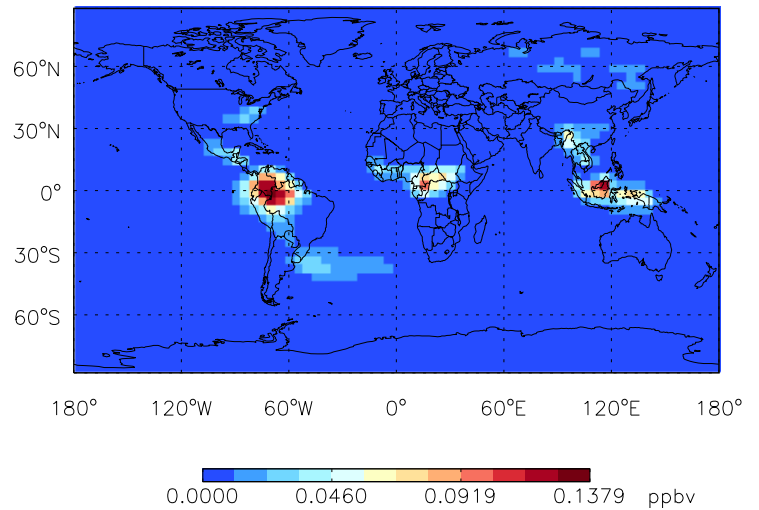
Tracer Map @ 500 hPa - HAC



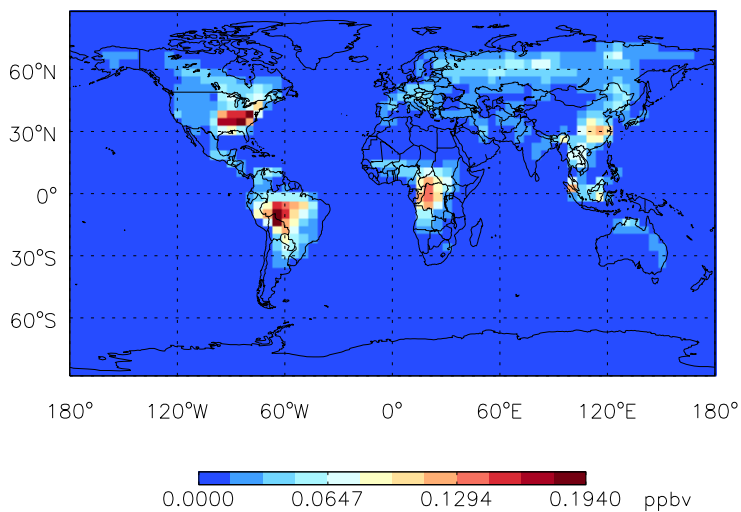
Tracer Map @ Surface - GLYC



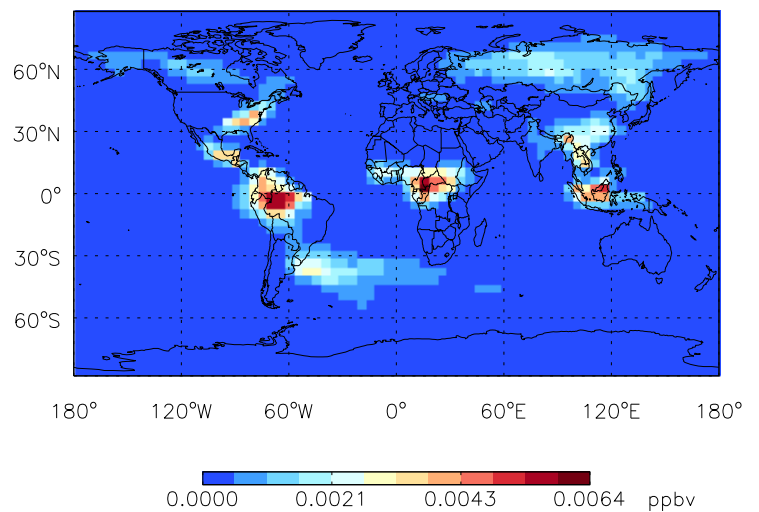
Tracer Map @ 500 hPa - GLYC



Tracer Map @ Surface - MMN



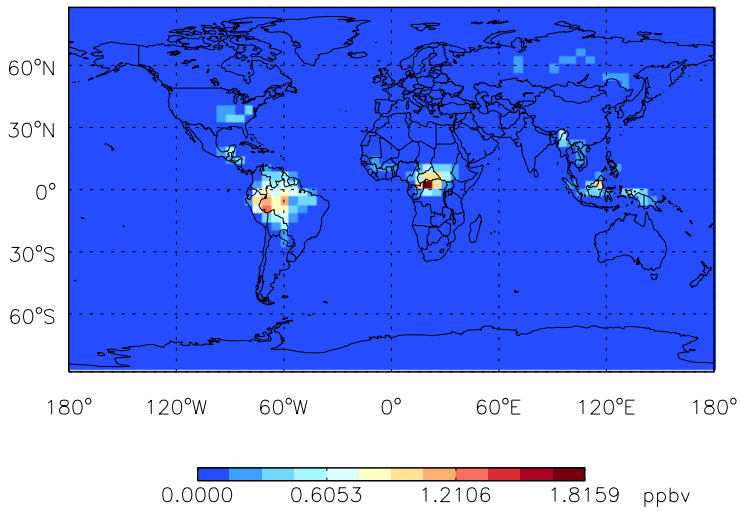
Tracer Map @ 500 hPa - MMN



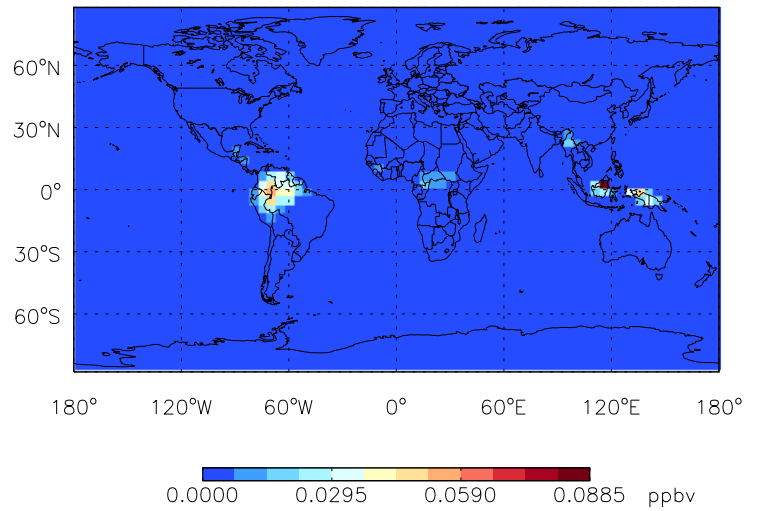
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

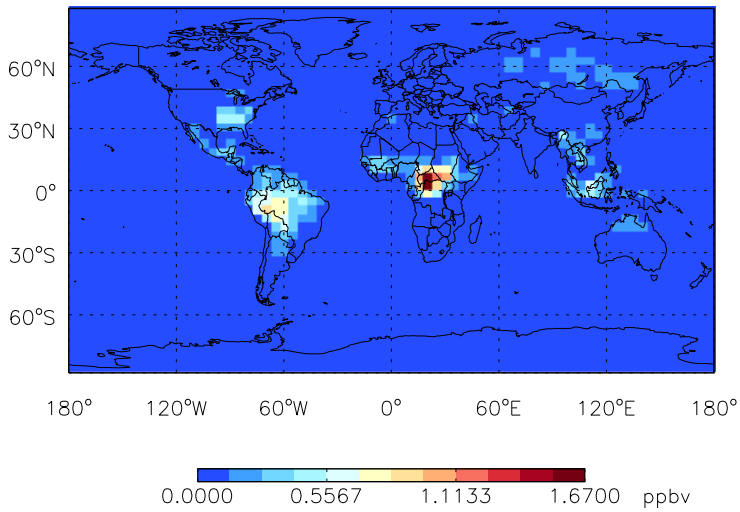
Tracer Map @ Surface – RIP



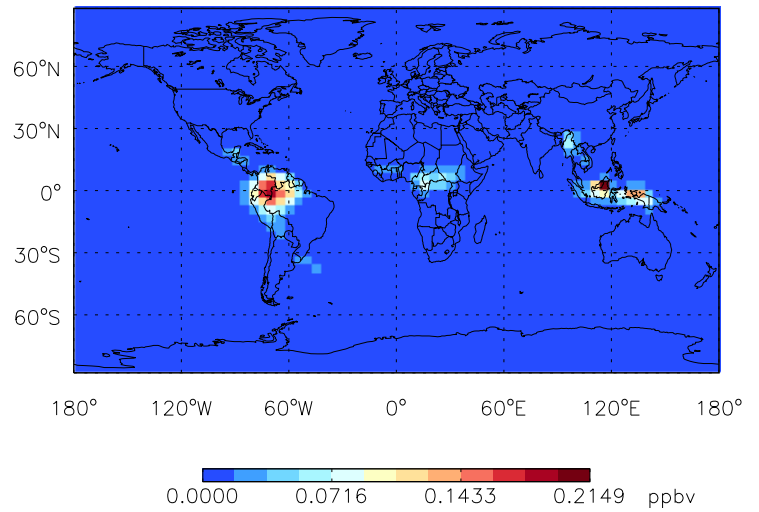
Tracer Map @ 500 hPa – RIP



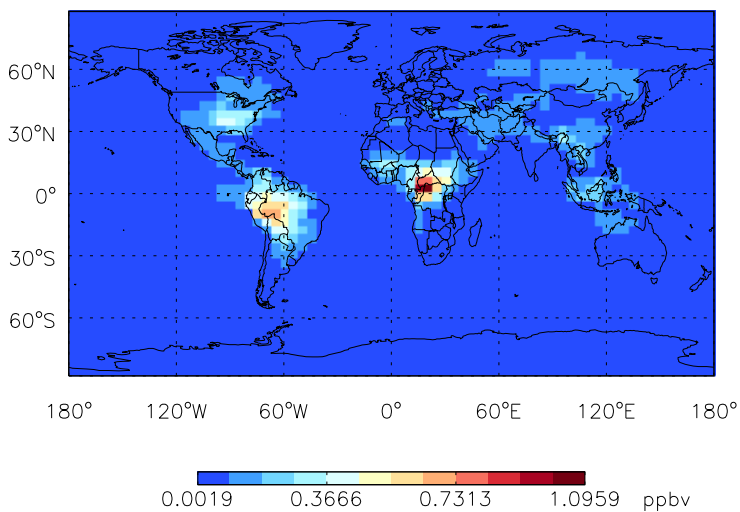
Tracer Map @ Surface – IEPOX



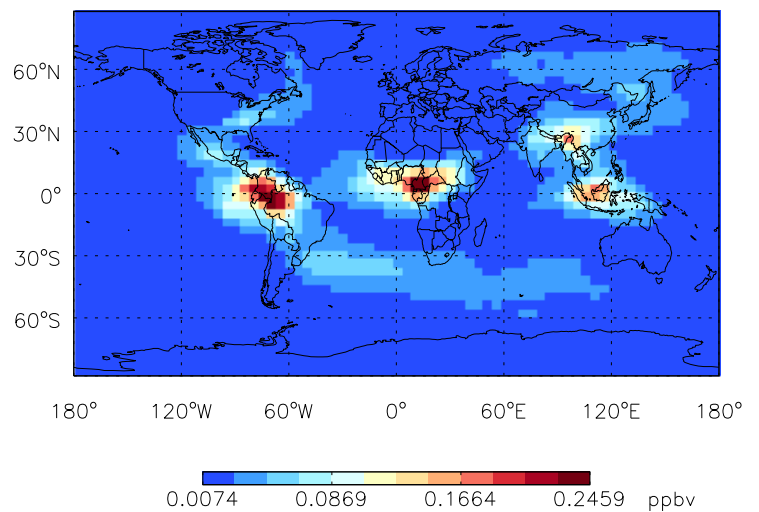
Tracer Map @ 500 hPa – IEPOX



Tracer Map @ Surface – MAP



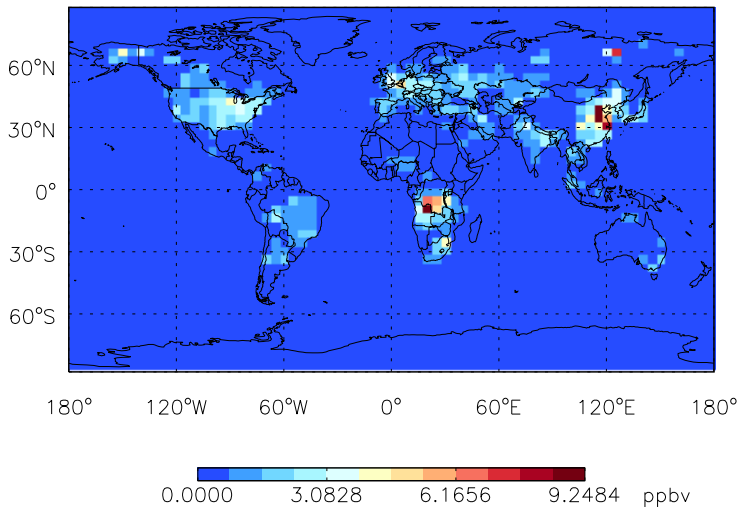
Tracer Map @ 500 hPa – MAP



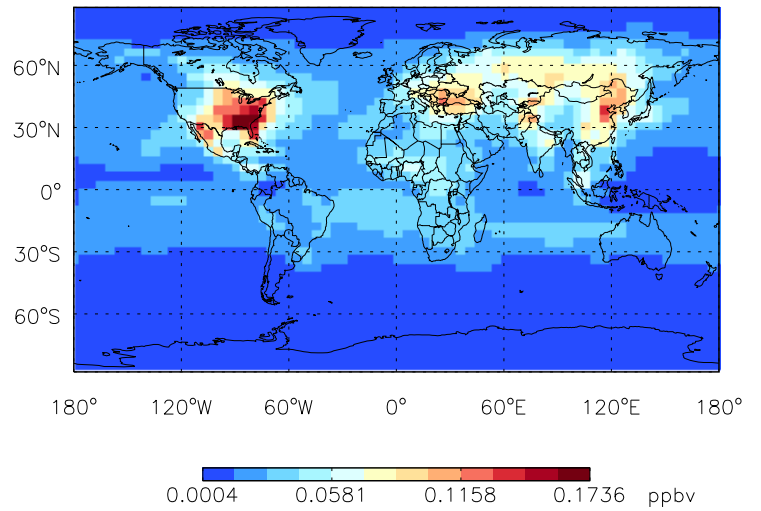
GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geos5

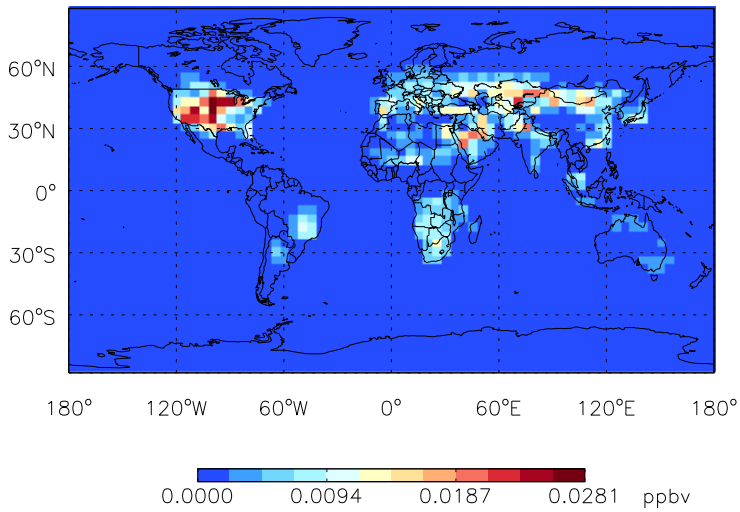
Tracer Map @ Surface - NO₂



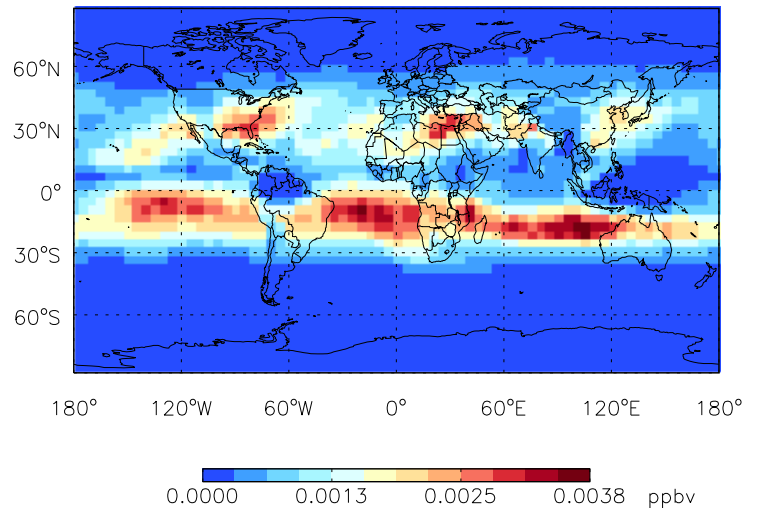
Tracer Map @ 500 hPa - NO₂



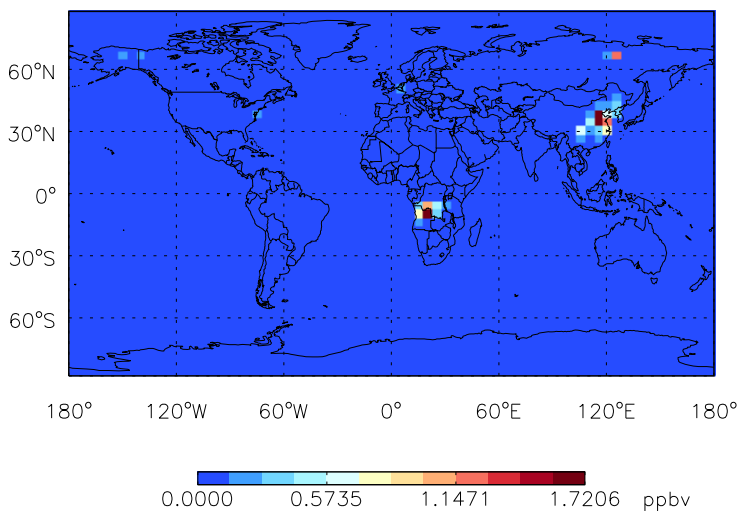
Tracer Map @ Surface - NO₃



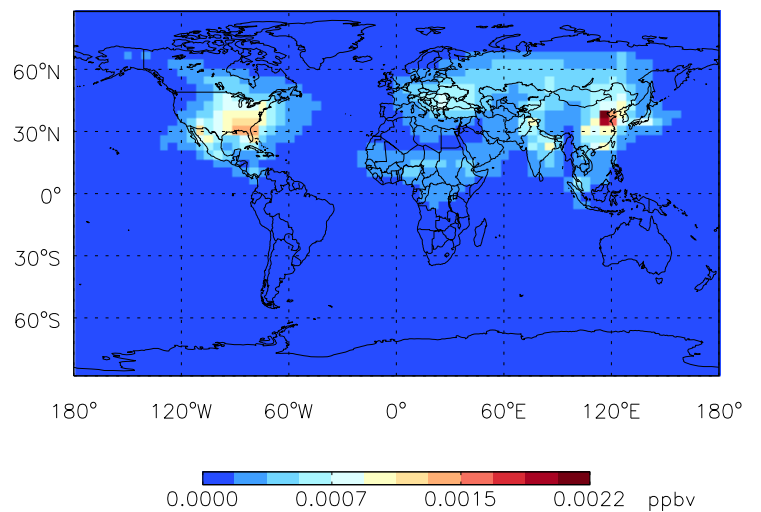
Tracer Map @ 500 hPa - NO₃



Tracer Map @ Surface - HNO₂



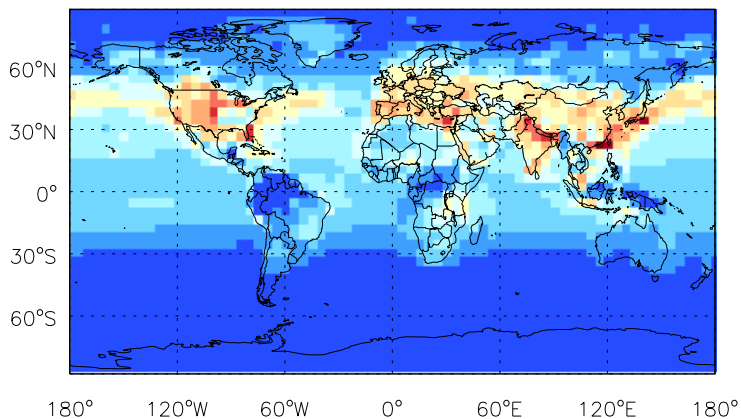
Tracer Map @ 500 hPa - HNO₂



GEOS-Chem v9-02r.geos5 Tracer Maps at Surface and 500 hPa

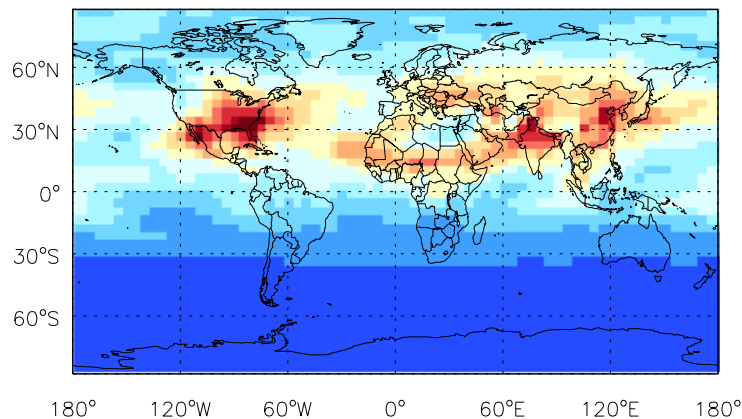
ctm.bpch.v9-02r.geos5

Tracer Map @ Surface - OH



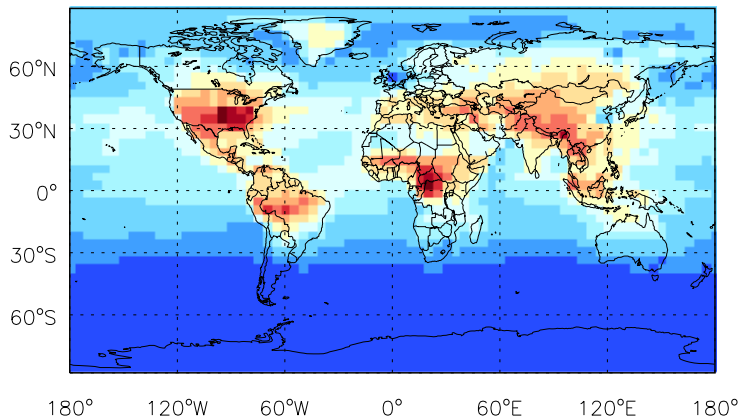
0.0000 20.5918 41.1836 61.7754 1e5 molec/cm3

Tracer Map @ 500 hPa - OH



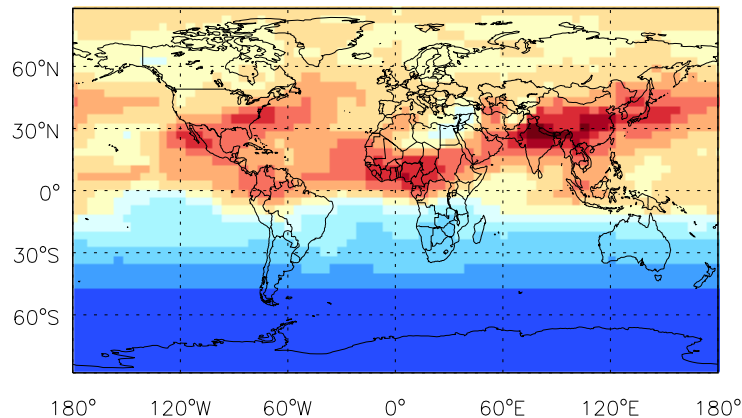
0.0002 16.8512 33.7022 50.5531 1e5 molec/cm3

Tracer Map @ Surface - HO2



0.0002 6.3484 12.6966 19.0448 pptv

Tracer Map @ 500 hPa - HO2



0.0010 5.1967 10.3925 15.5882 pptv