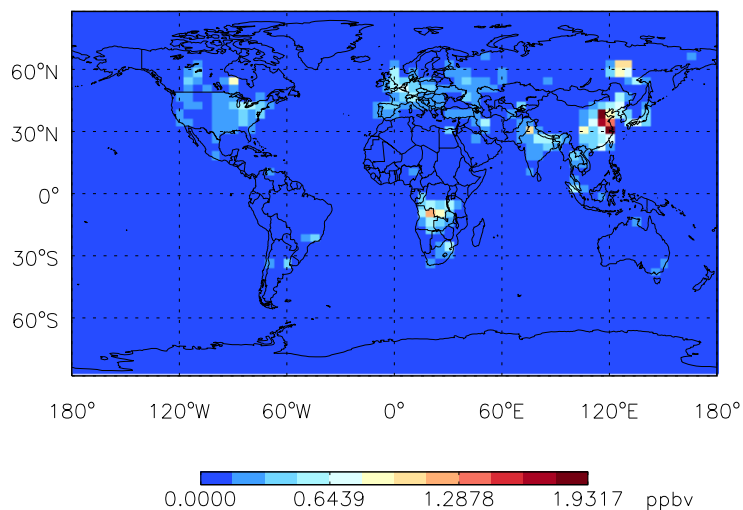


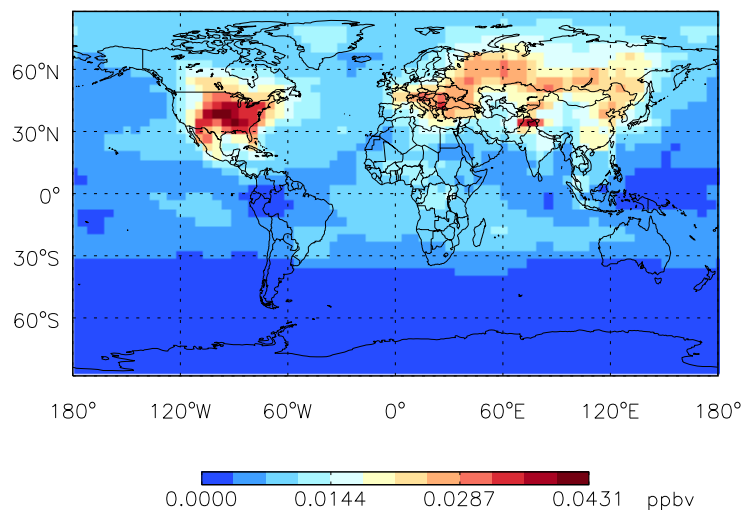
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

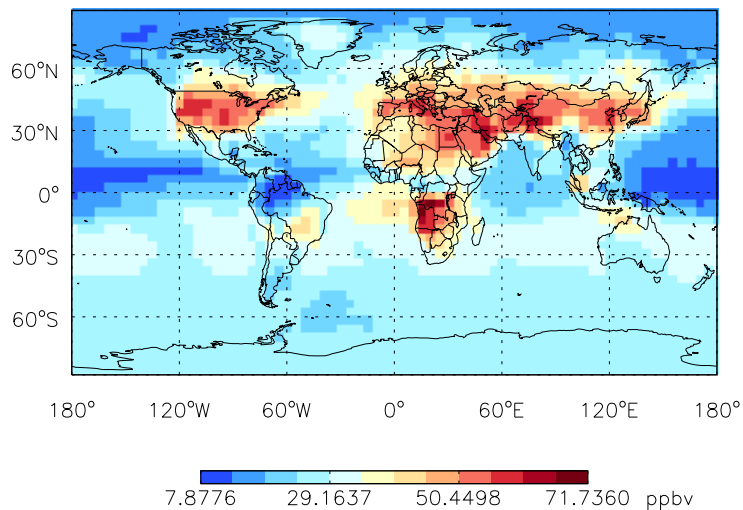
Tracer Map @ Surface – NO



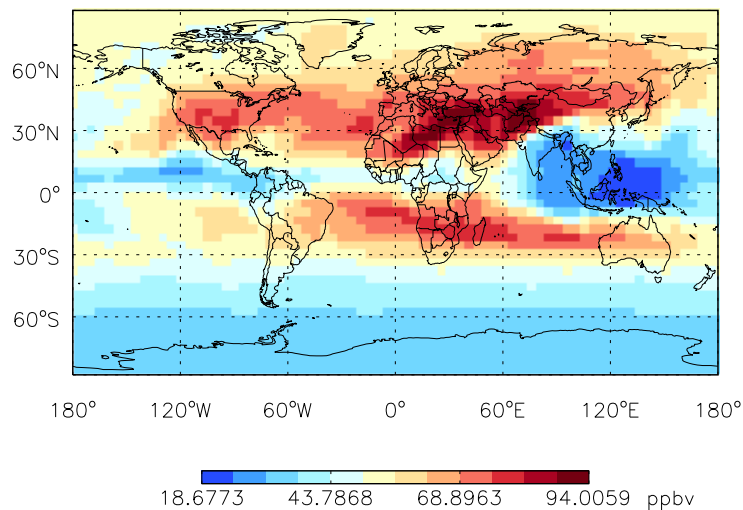
Tracer Map @ 500 hPa – NO



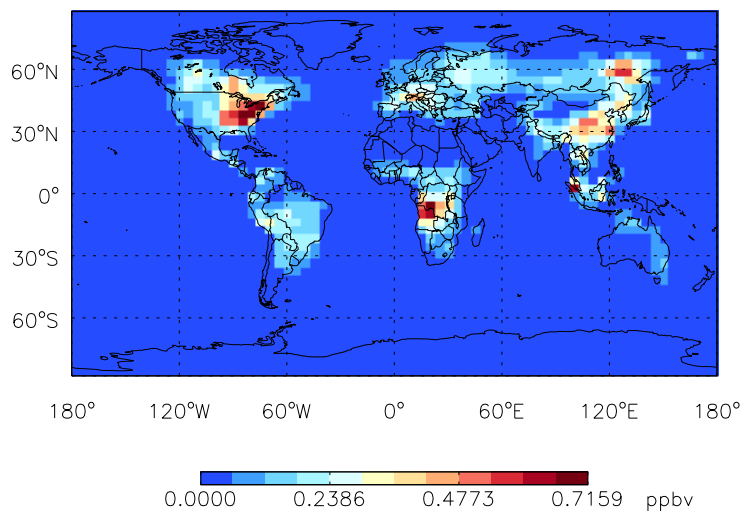
Tracer Map @ Surface – O3



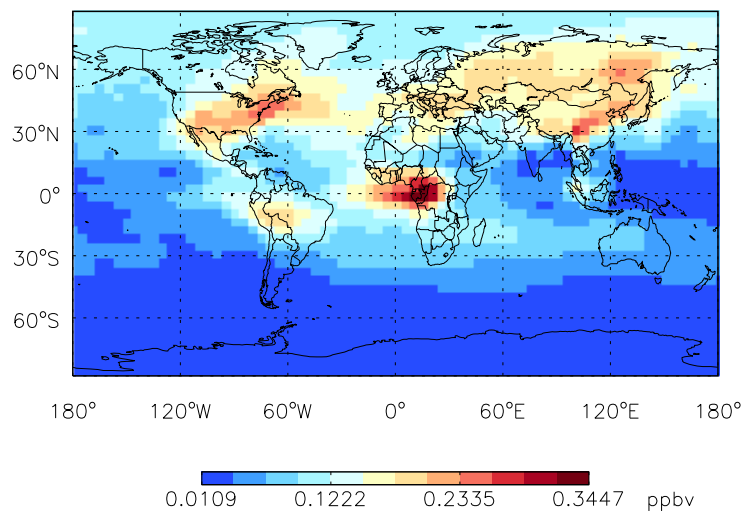
Tracer Map @ 500 hPa – O3



Tracer Map @ Surface – PAN



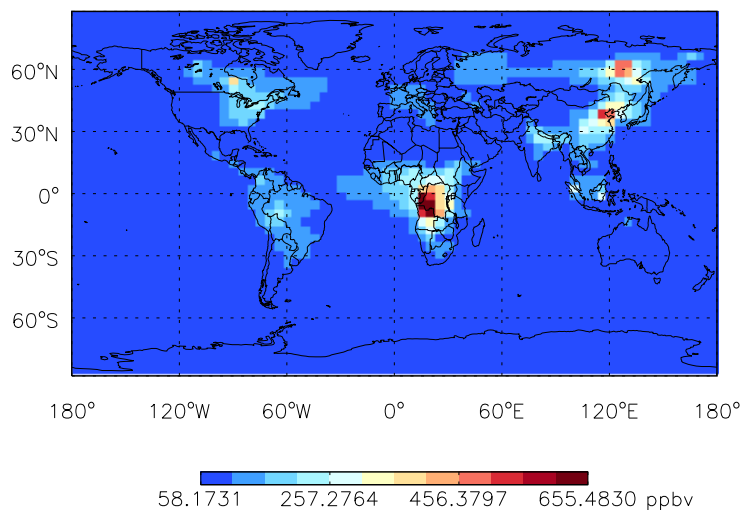
Tracer Map @ 500 hPa – PAN



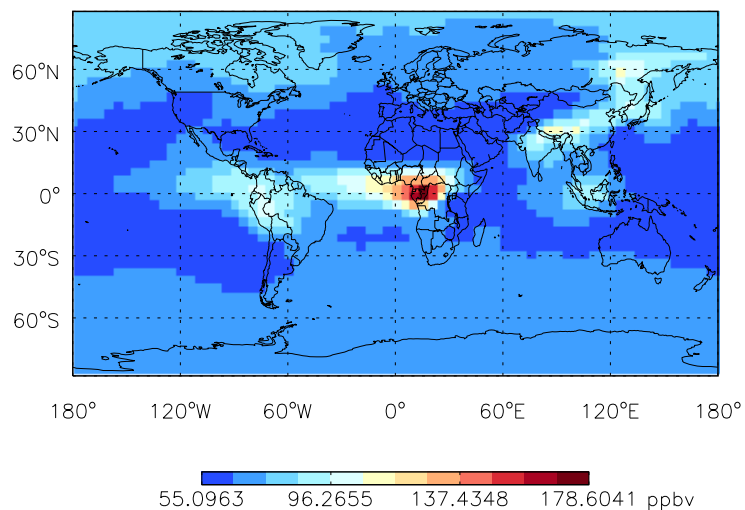
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

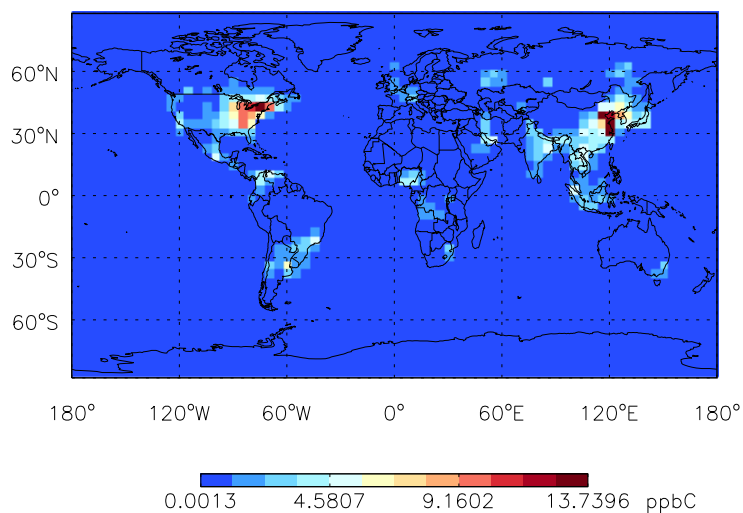
Tracer Map @ Surface - CO



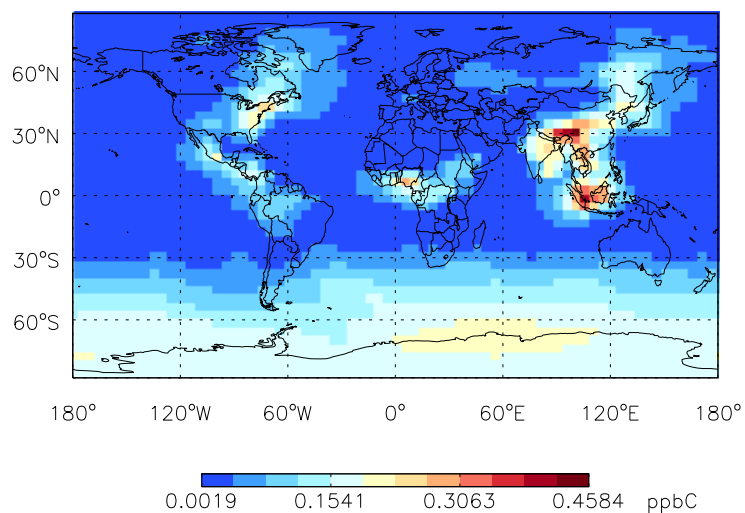
Tracer Map @ 500 hPa - CO



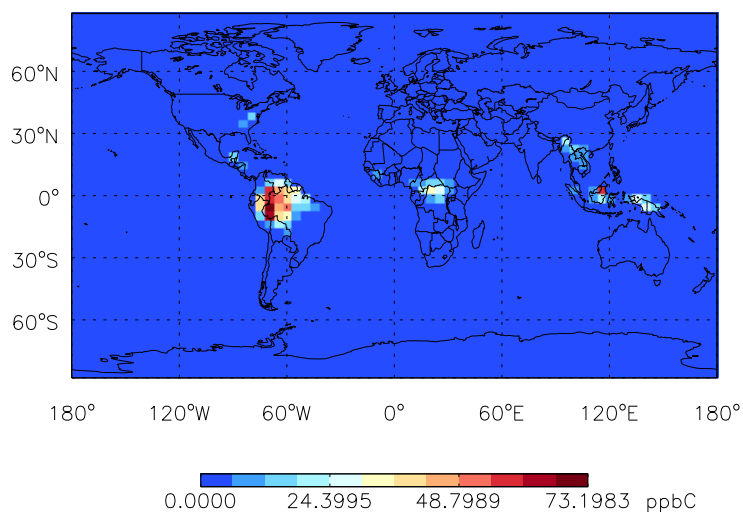
Tracer Map @ Surface - ALK4



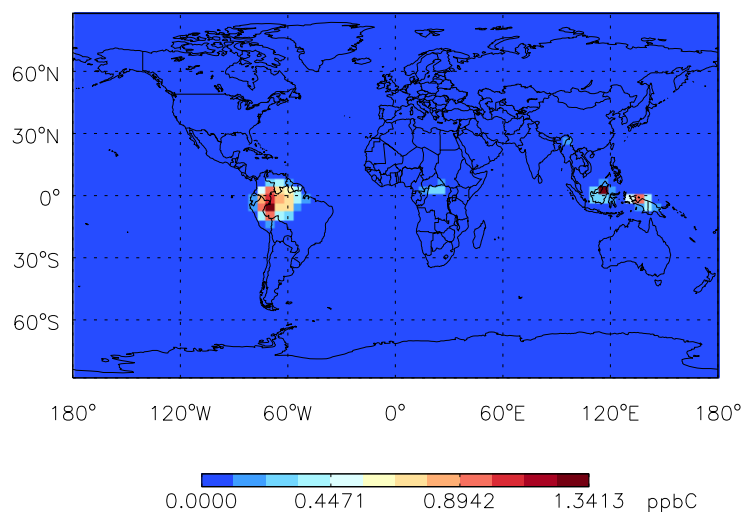
Tracer Map @ 500 hPa - ALK4



Tracer Map @ Surface - ISOP



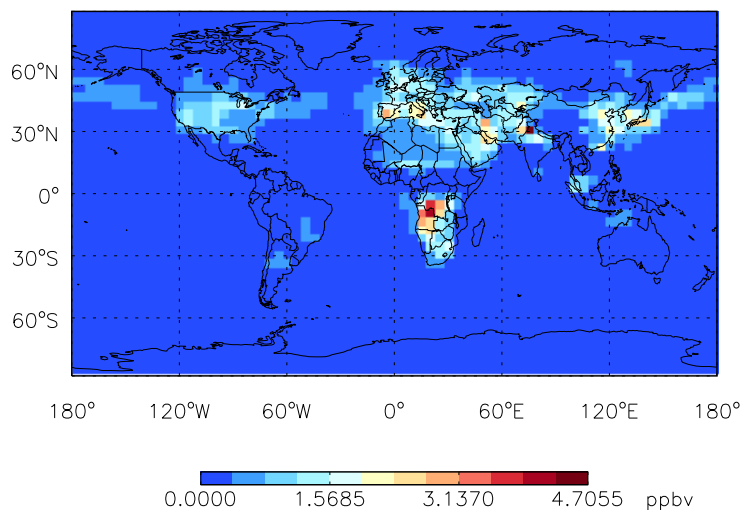
Tracer Map @ 500 hPa - ISOP



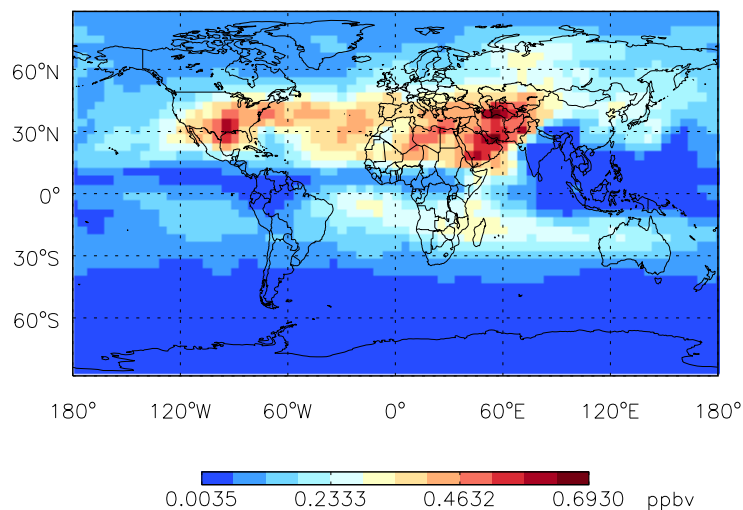
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

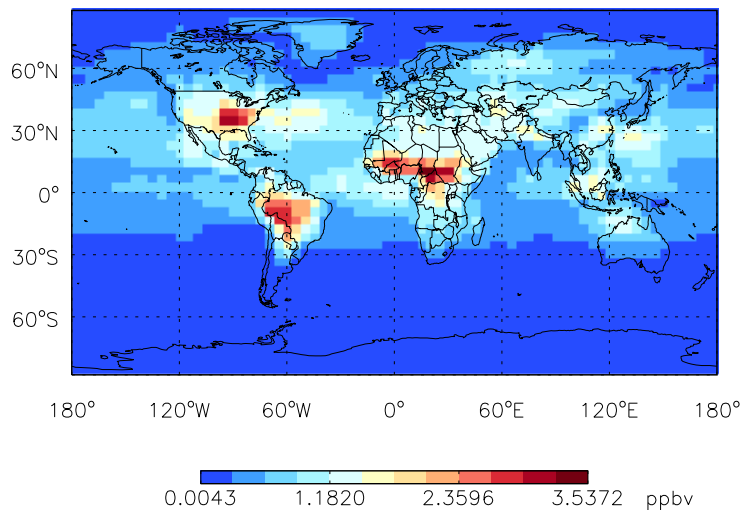
Tracer Map @ Surface – HN03



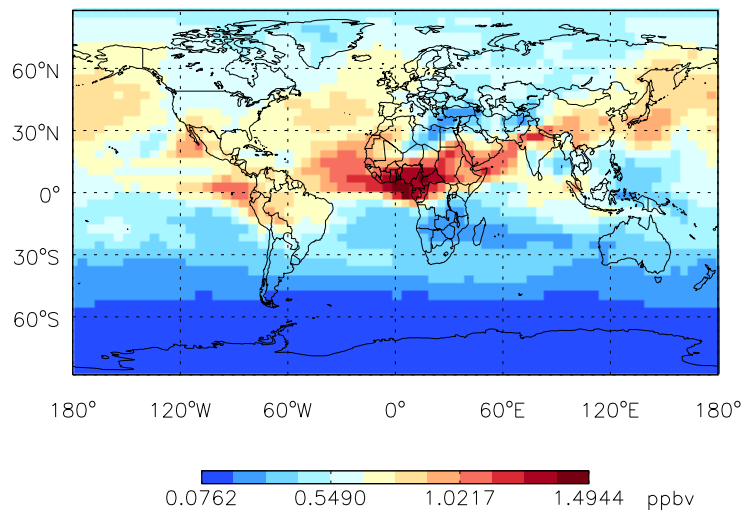
Tracer Map @ 500 hPa – HN03



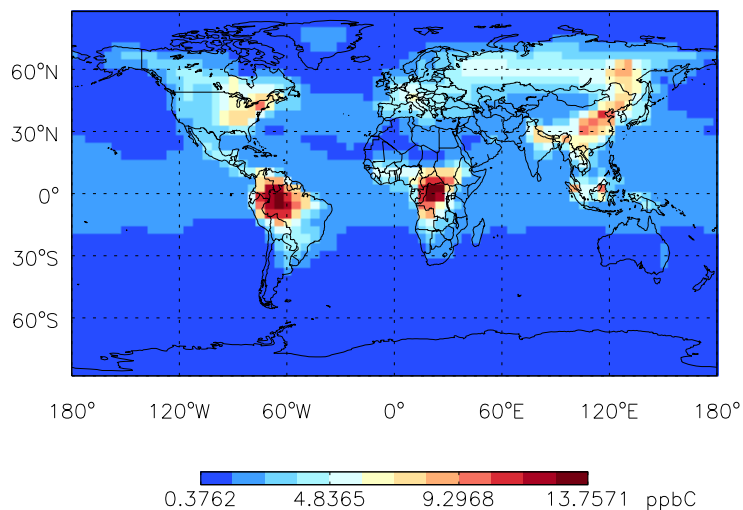
Tracer Map @ Surface – H2O2



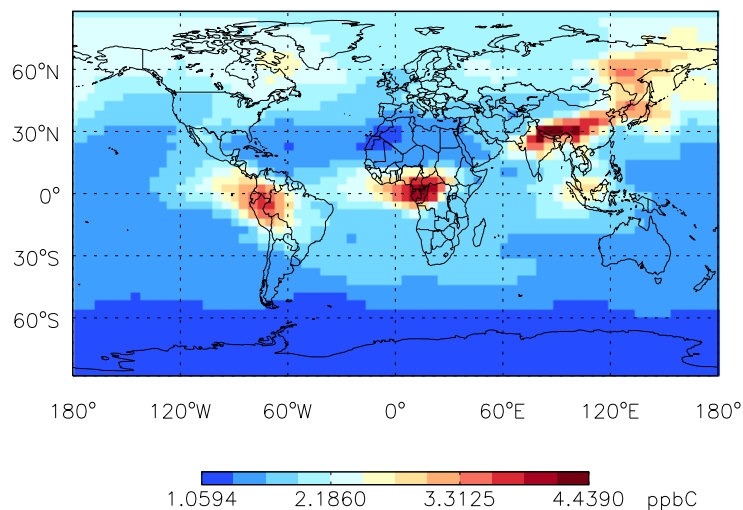
Tracer Map @ 500 hPa – H2O2



Tracer Map @ Surface – ACET



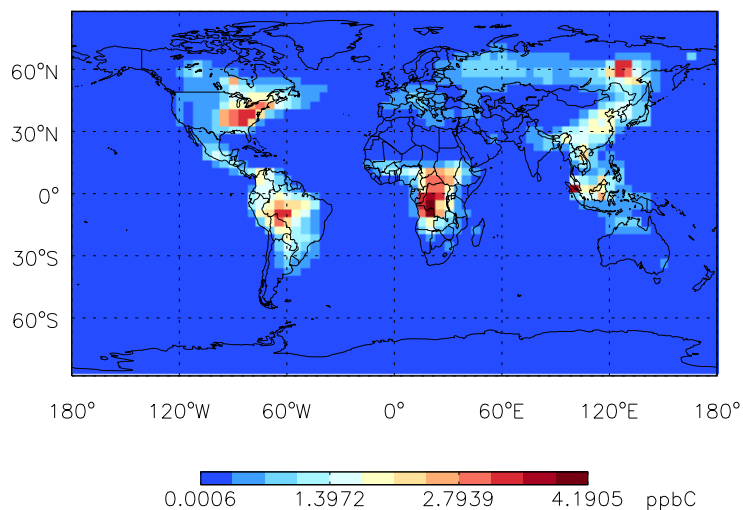
Tracer Map @ 500 hPa – ACET



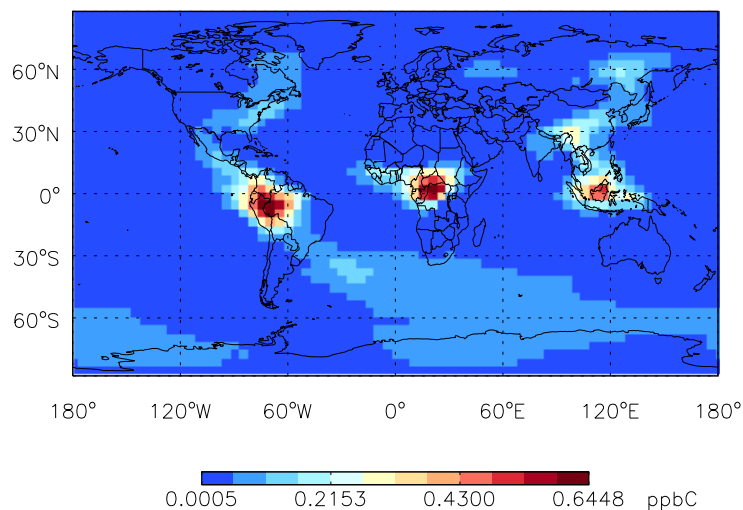
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

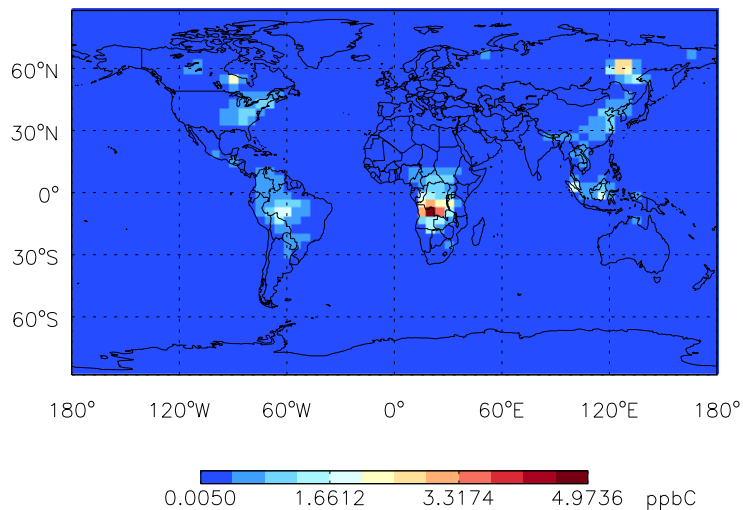
Tracer Map @ Surface – MEK



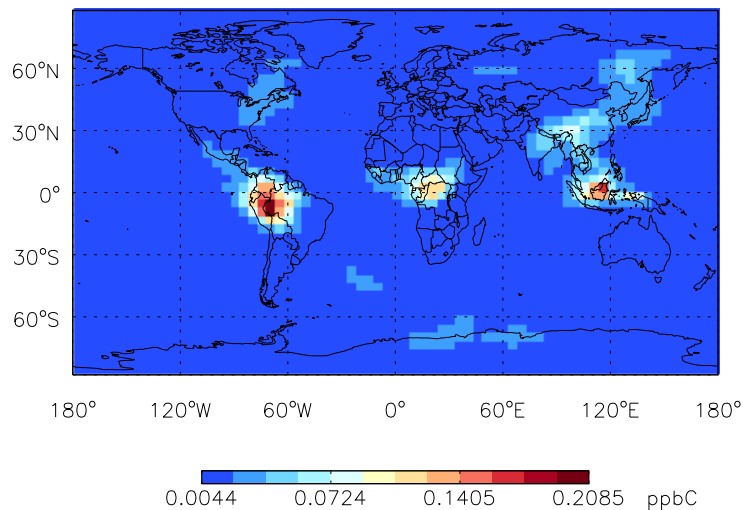
Tracer Map @ 500 hPa – MEK



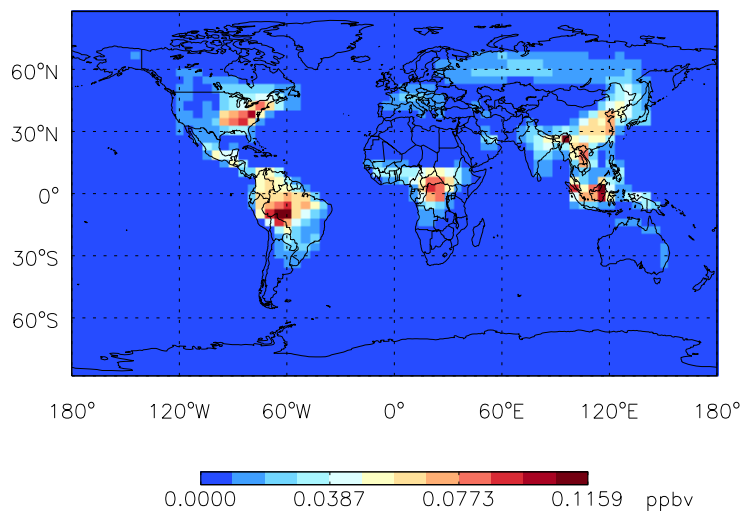
Tracer Map @ Surface – ALD2



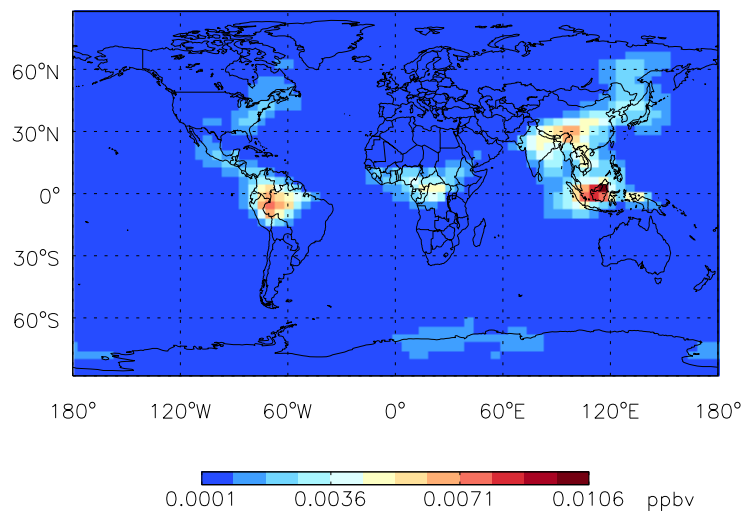
Tracer Map @ 500 hPa – ALD2



Tracer Map @ Surface – RCHO



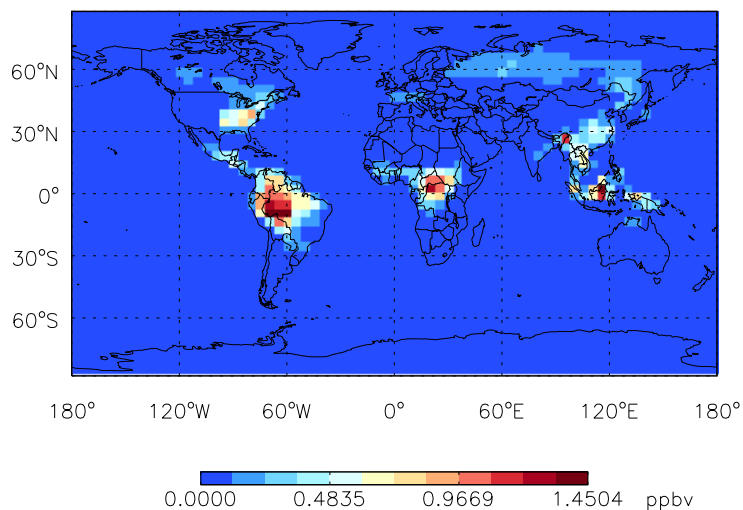
Tracer Map @ 500 hPa – RCHO



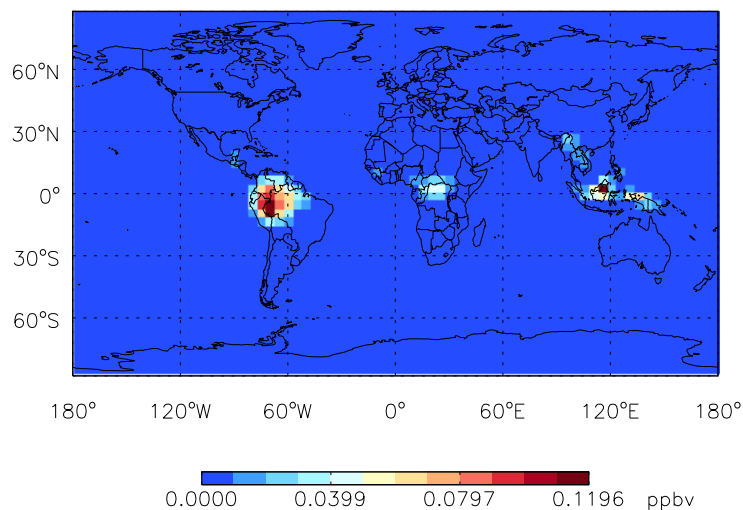
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

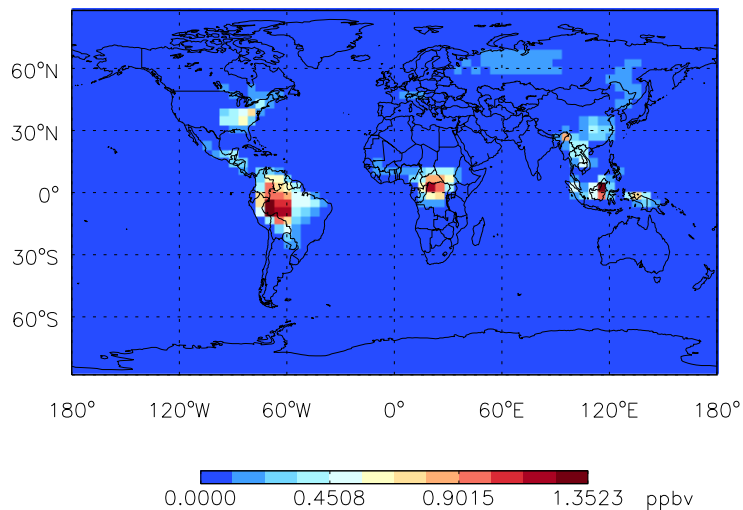
Tracer Map @ Surface - MVK



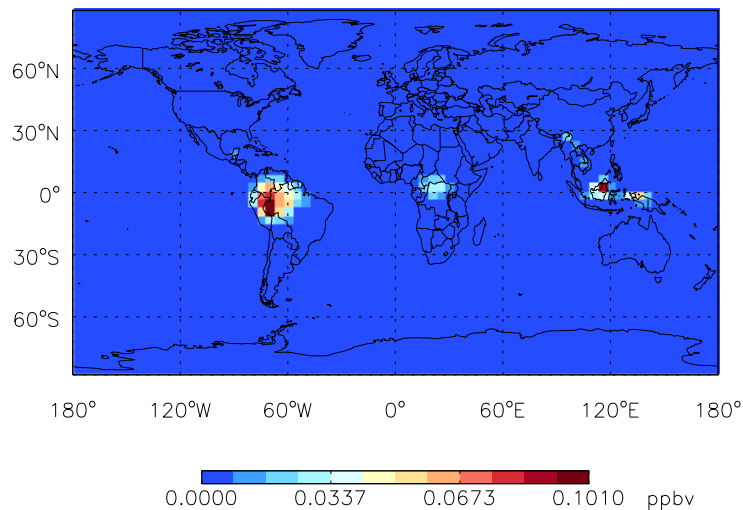
Tracer Map @ 500 hPa - MVK



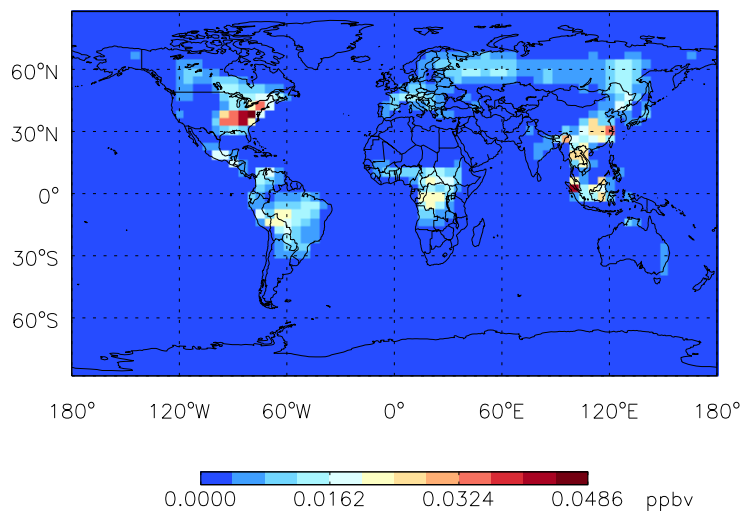
Tracer Map @ Surface - MACR



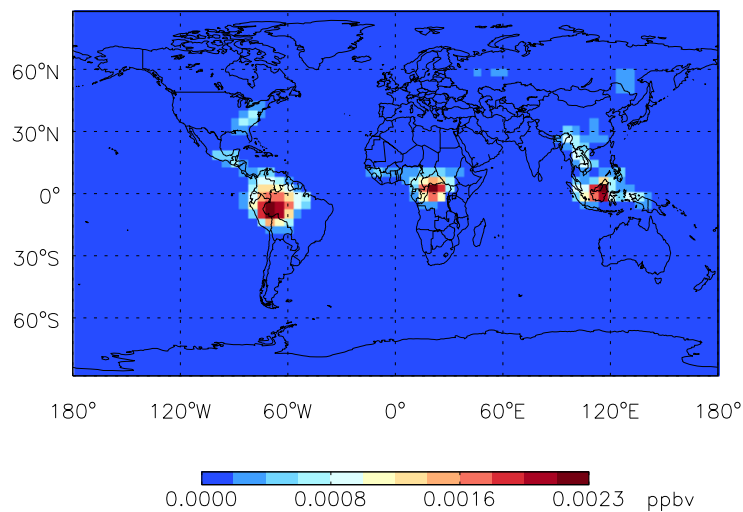
Tracer Map @ 500 hPa - MACR



Tracer Map @ Surface - PMN



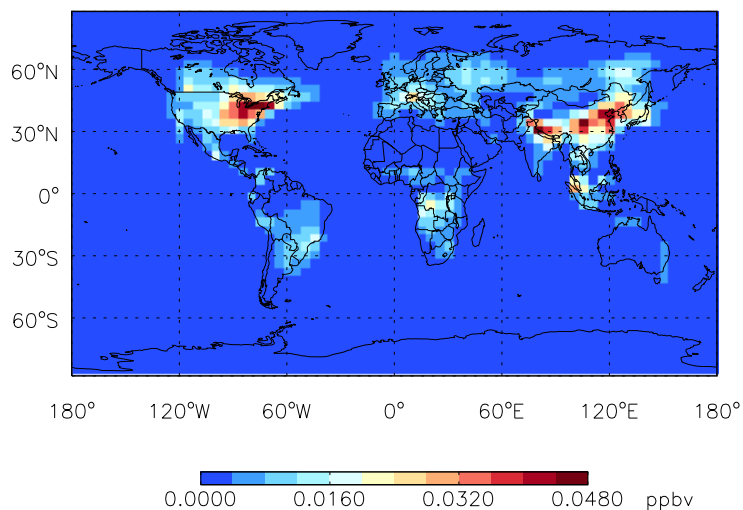
Tracer Map @ 500 hPa - PMN



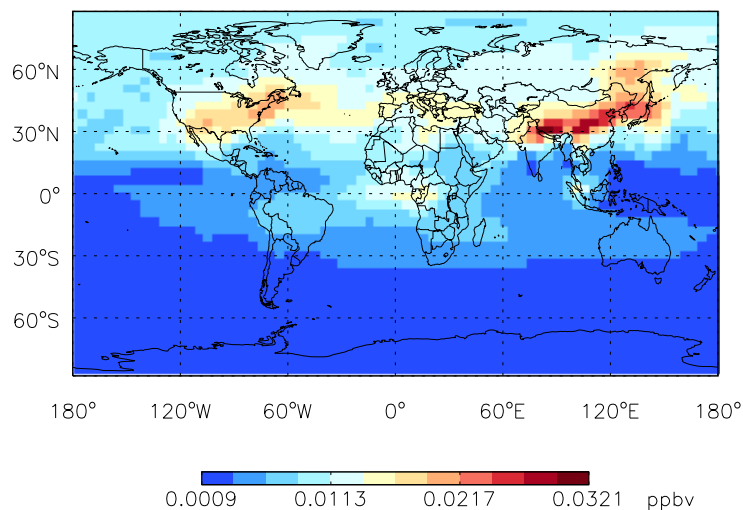
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

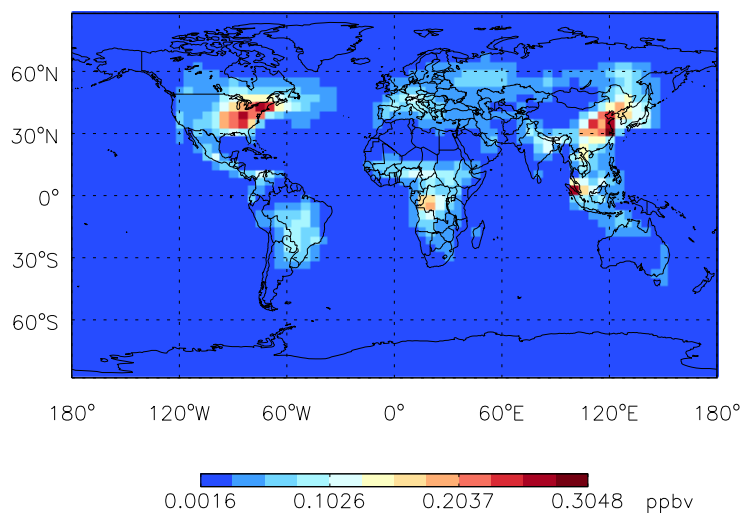
Tracer Map @ Surface – PPN



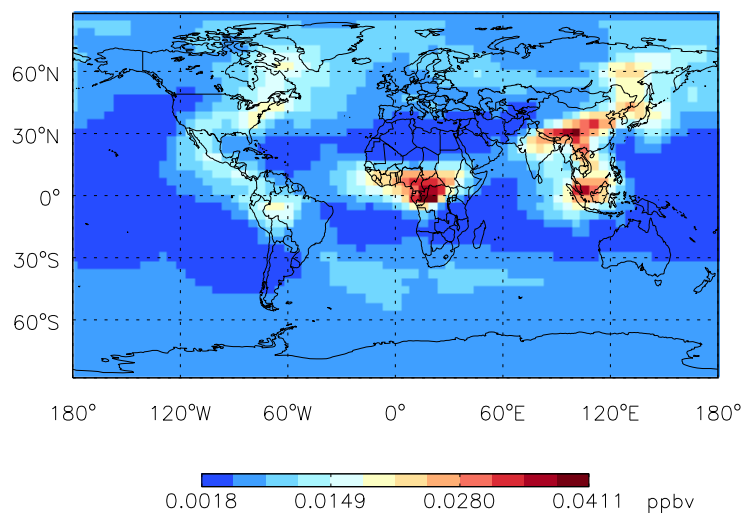
Tracer Map @ 500 hPa – PPN



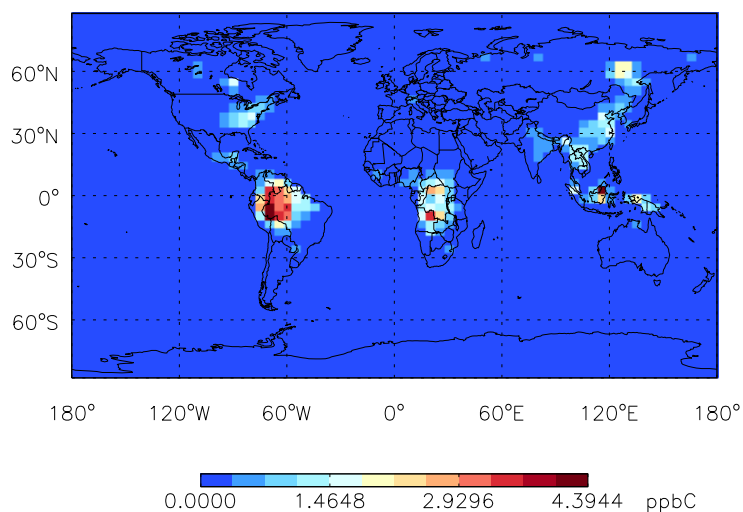
Tracer Map @ Surface – R4N2



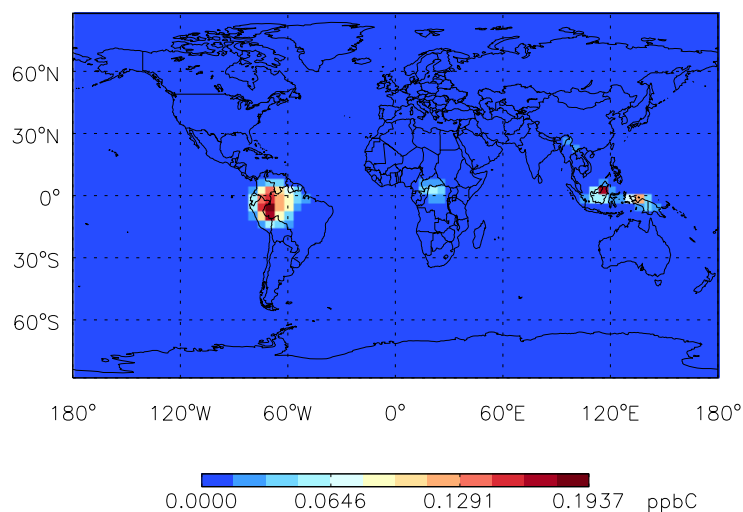
Tracer Map @ 500 hPa – R4N2



Tracer Map @ Surface – PRPE



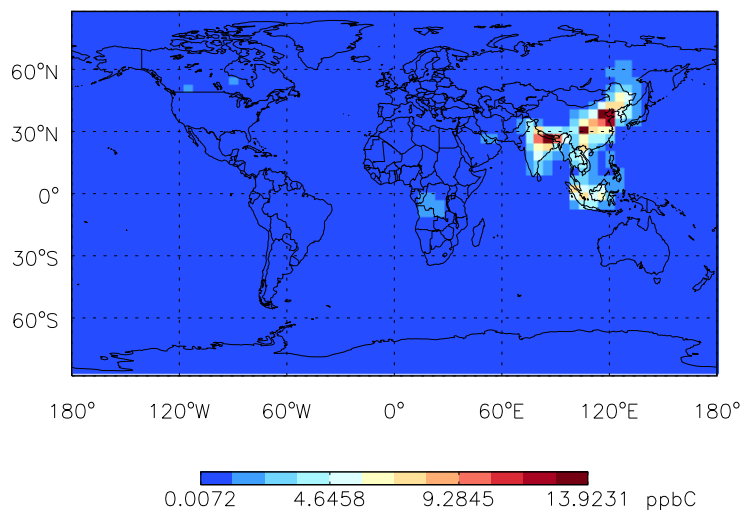
Tracer Map @ 500 hPa – PRPE



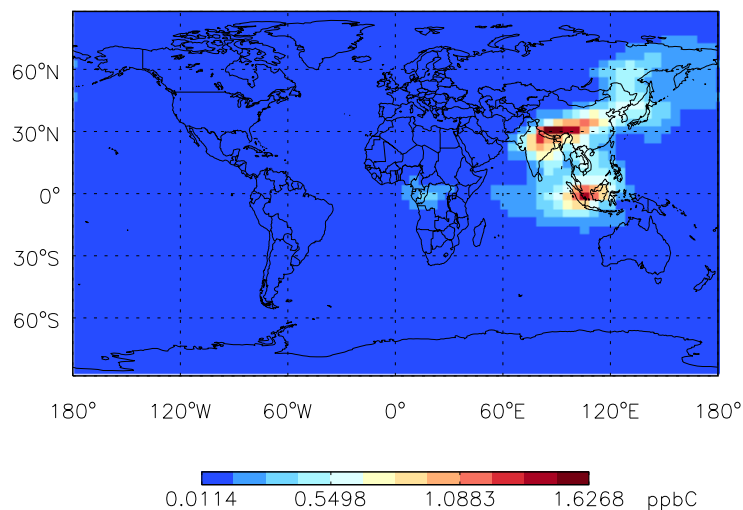
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

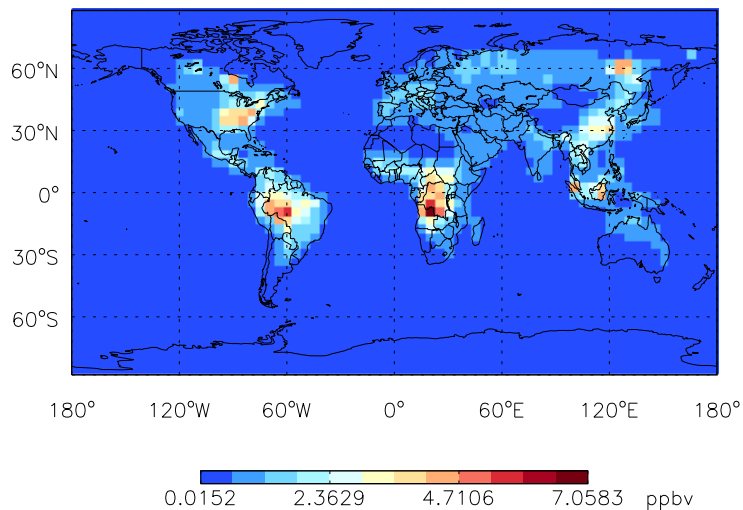
Tracer Map @ Surface – C3H8



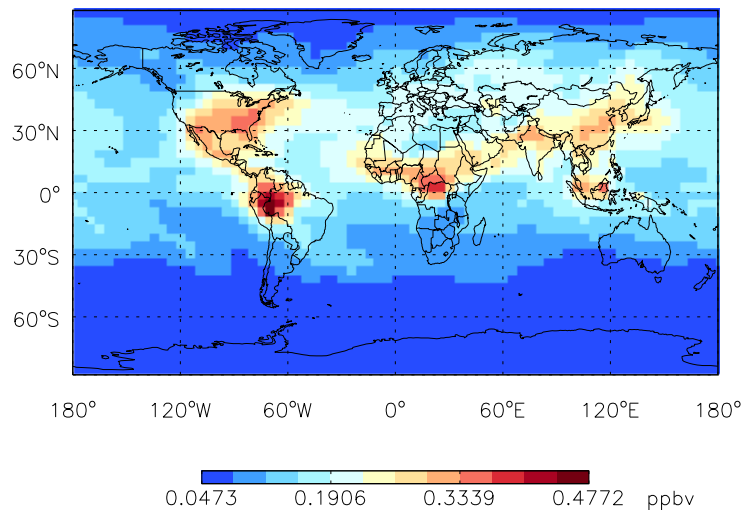
Tracer Map @ 500 hPa – C3H8



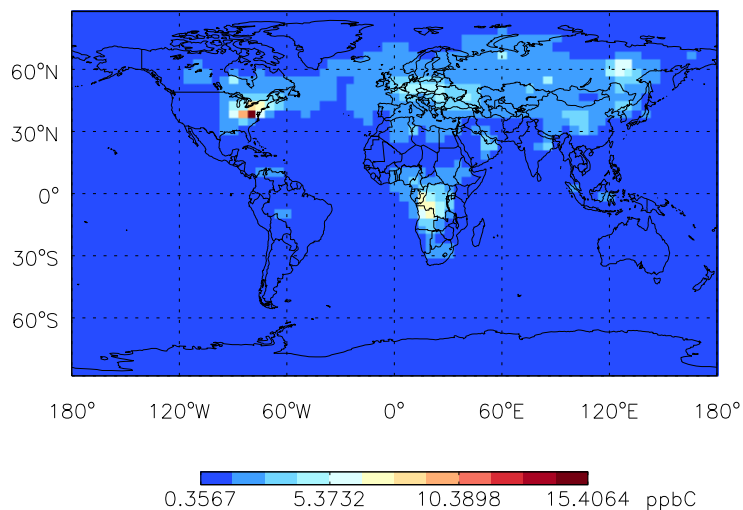
Tracer Map @ Surface – CH2O



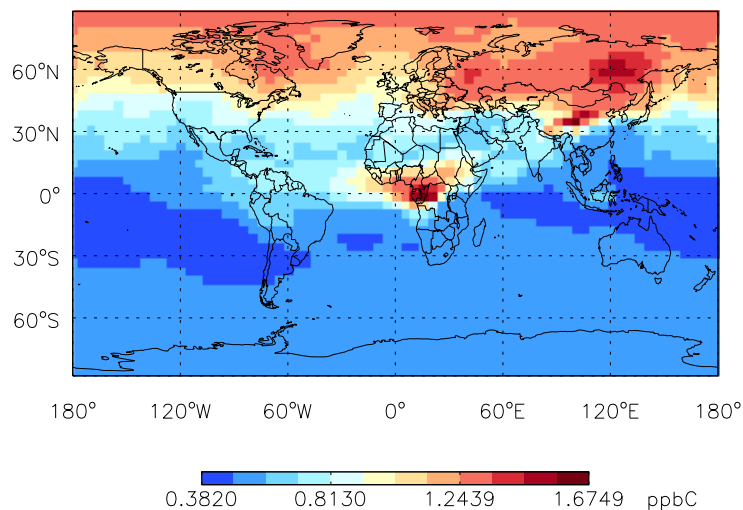
Tracer Map @ 500 hPa – CH2O



Tracer Map @ Surface – C2H6



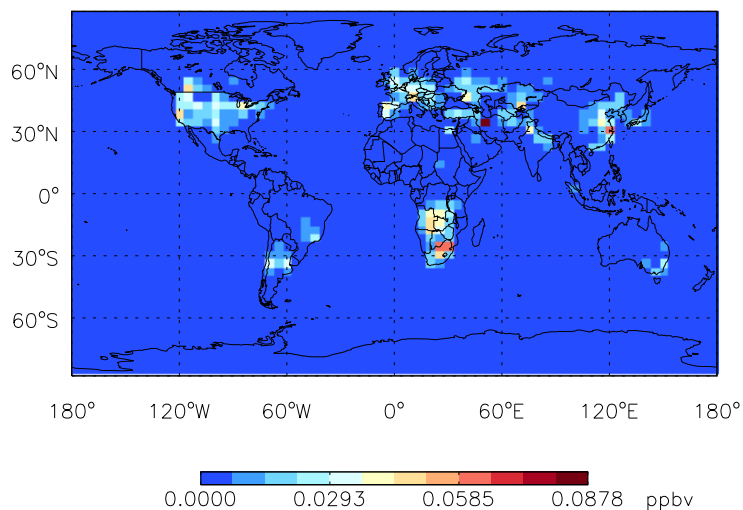
Tracer Map @ 500 hPa – C2H6



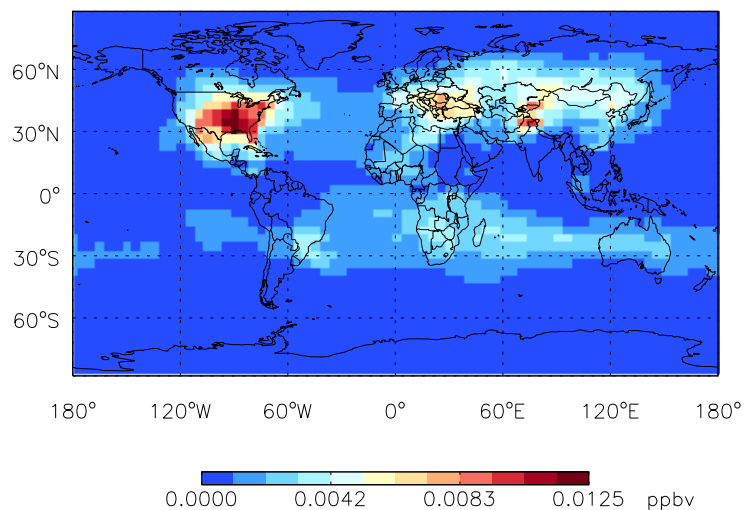
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

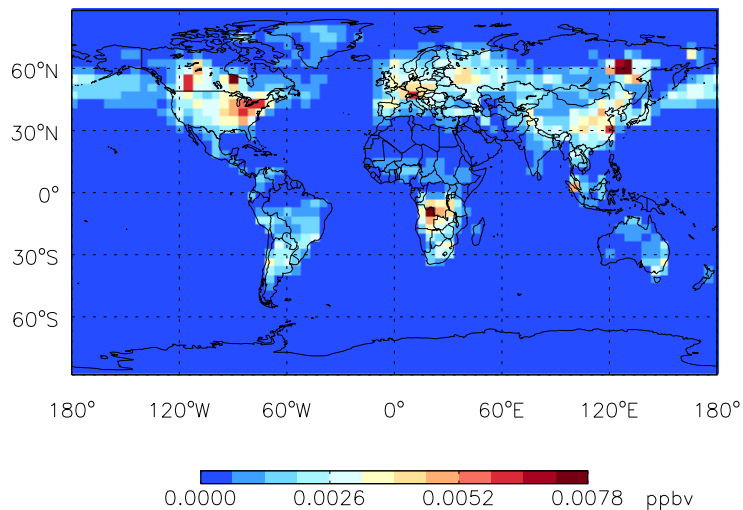
Tracer Map @ Surface – N2O5



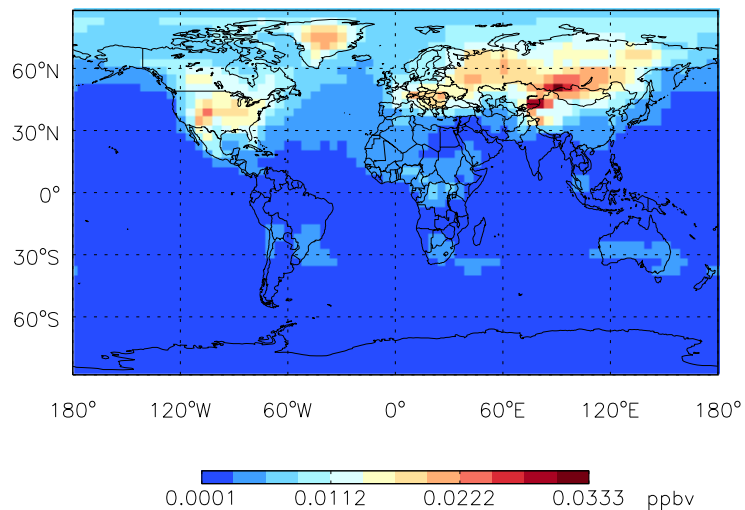
Tracer Map @ 500 hPa – N2O5



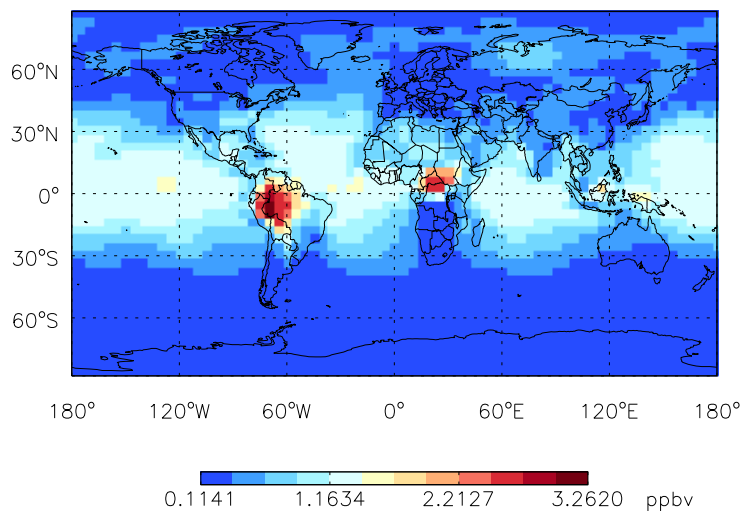
Tracer Map @ Surface – HN04



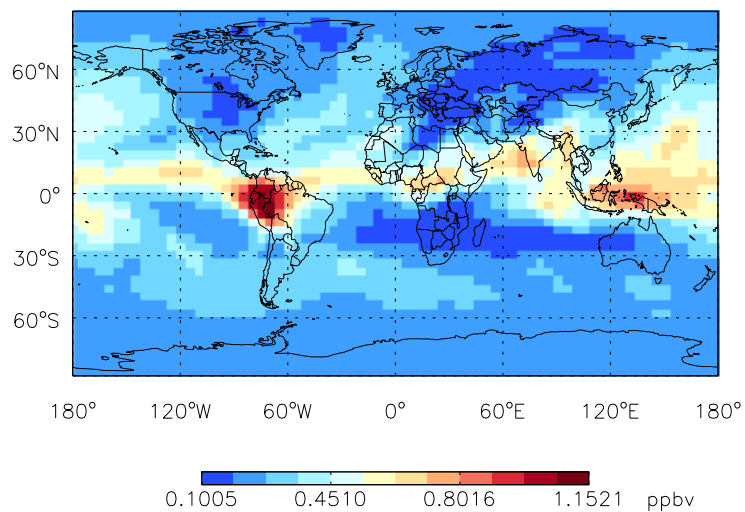
Tracer Map @ 500 hPa – HN04



Tracer Map @ Surface – MP



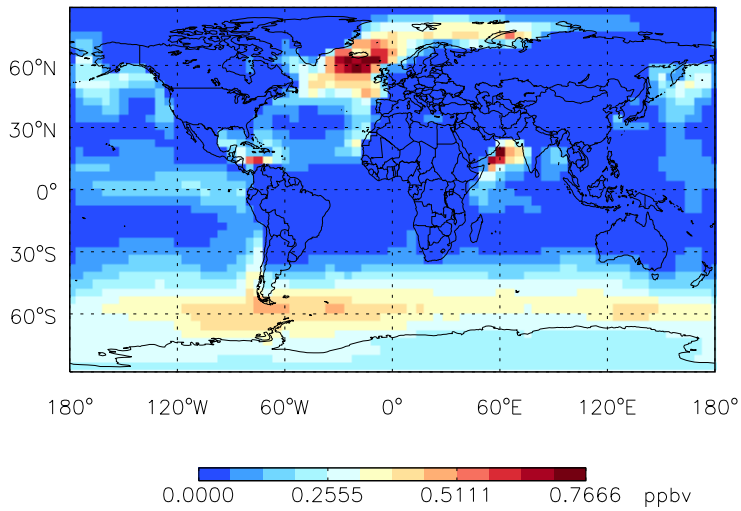
Tracer Map @ 500 hPa – MP



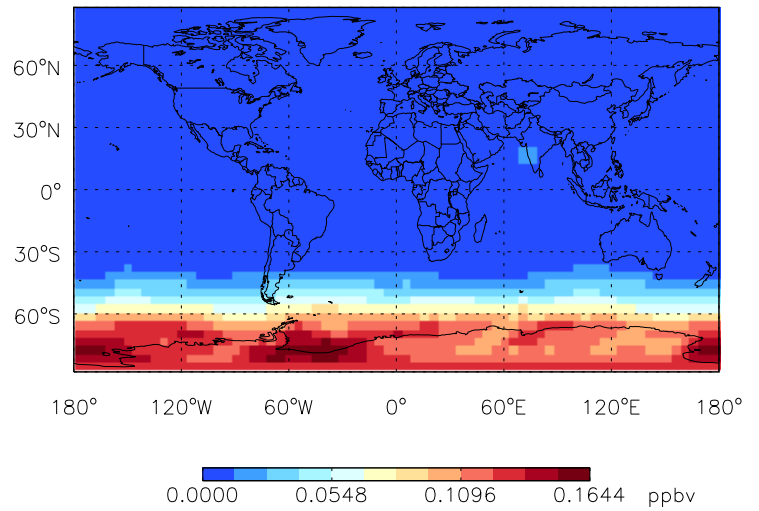
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

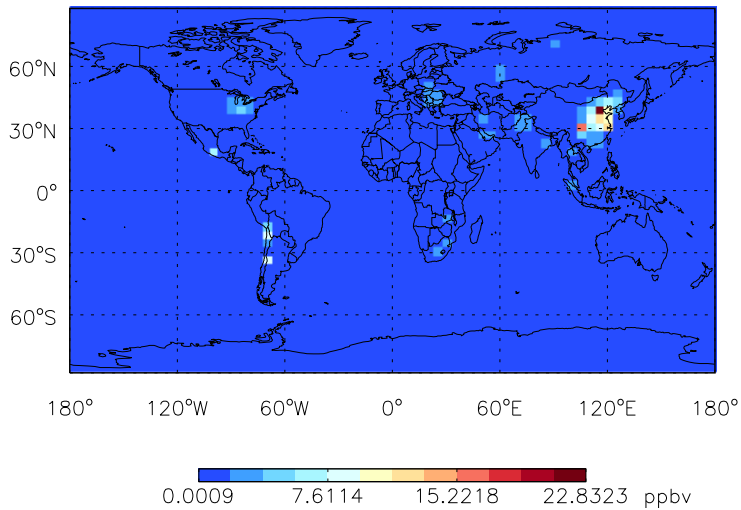
Tracer Map @ Surface – DMS



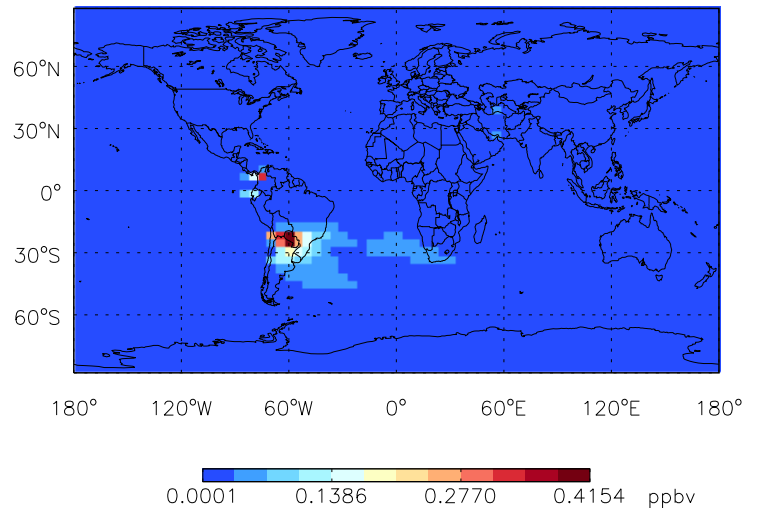
Tracer Map @ 500 hPa – DMS



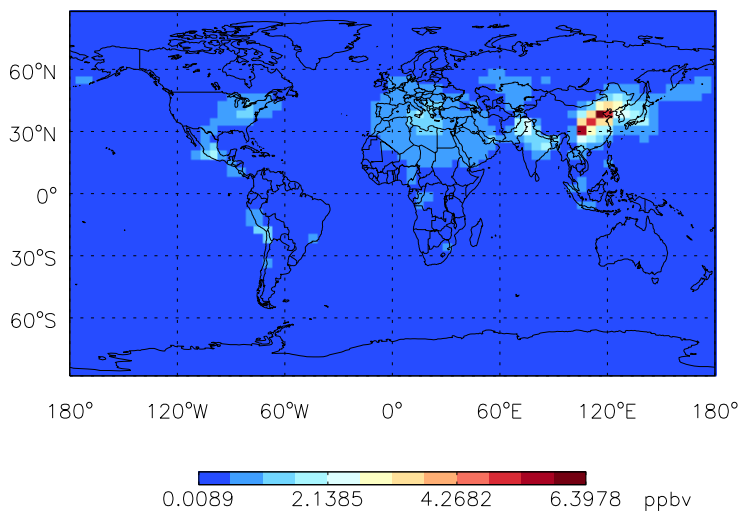
Tracer Map @ Surface – SO2



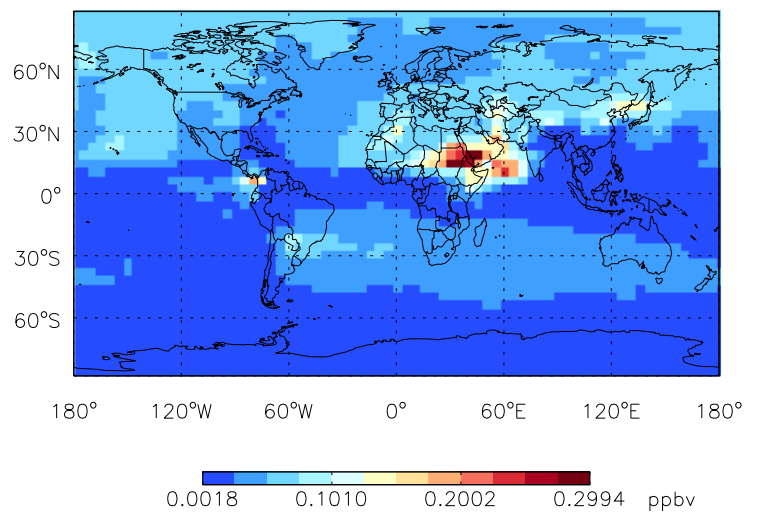
Tracer Map @ 500 hPa – SO2



Tracer Map @ Surface – SO4



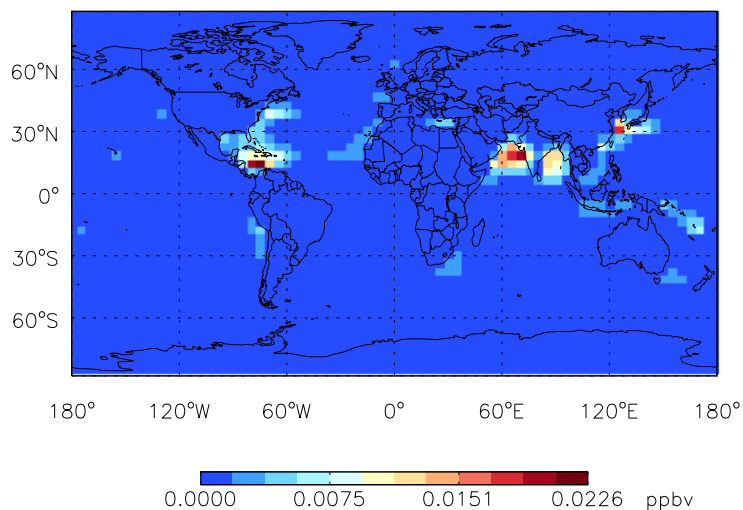
Tracer Map @ 500 hPa – SO4



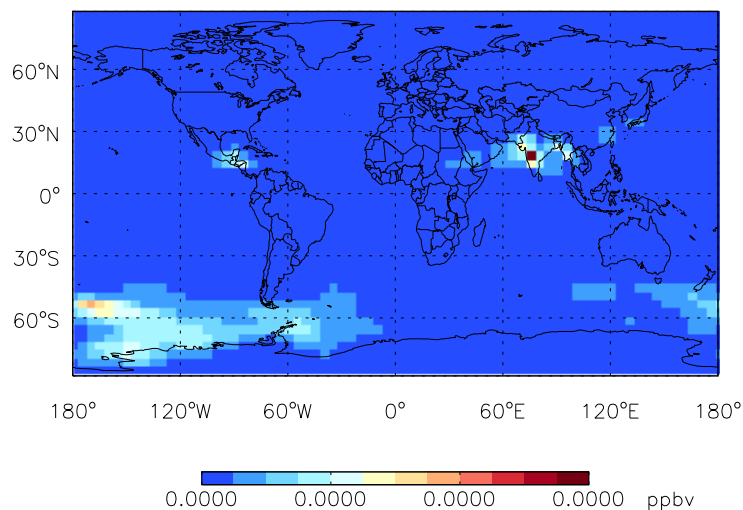
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

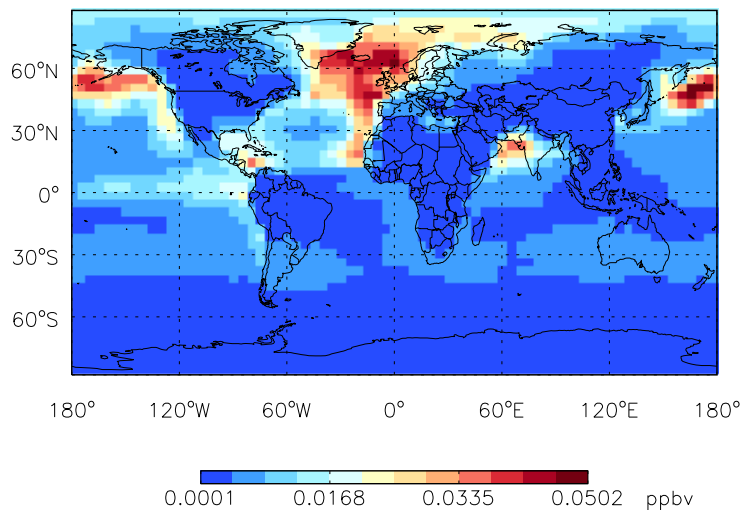
Tracer Map @ Surface – SO₄s



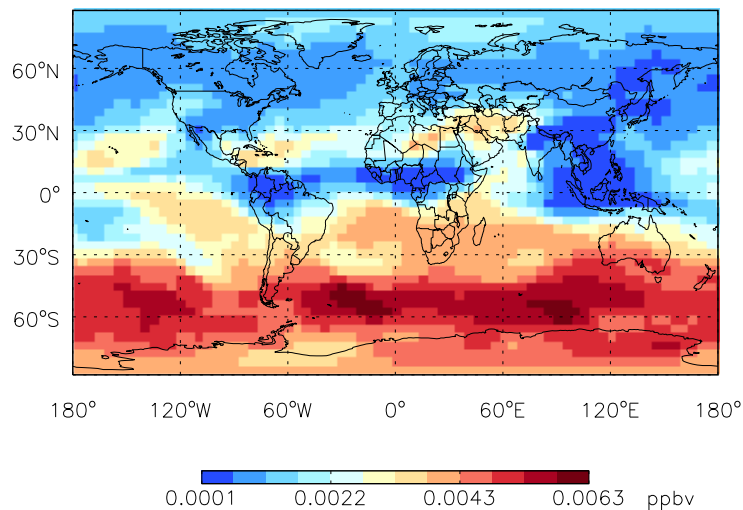
Tracer Map @ 500 hPa – SO₄s



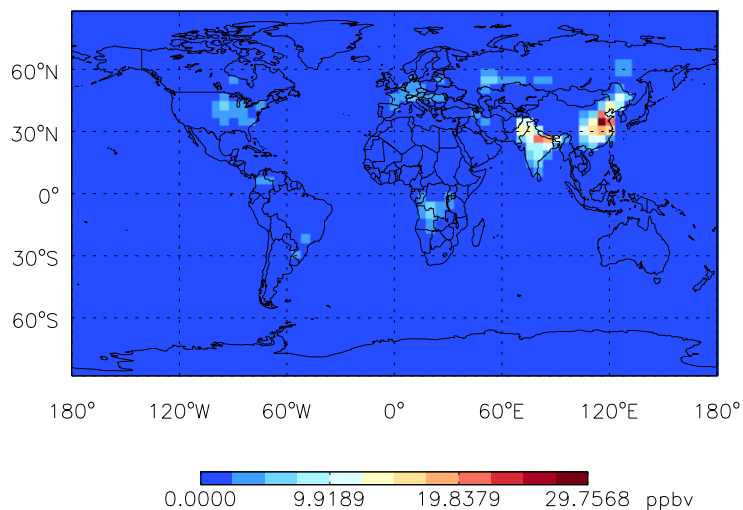
Tracer Map @ Surface – MSA



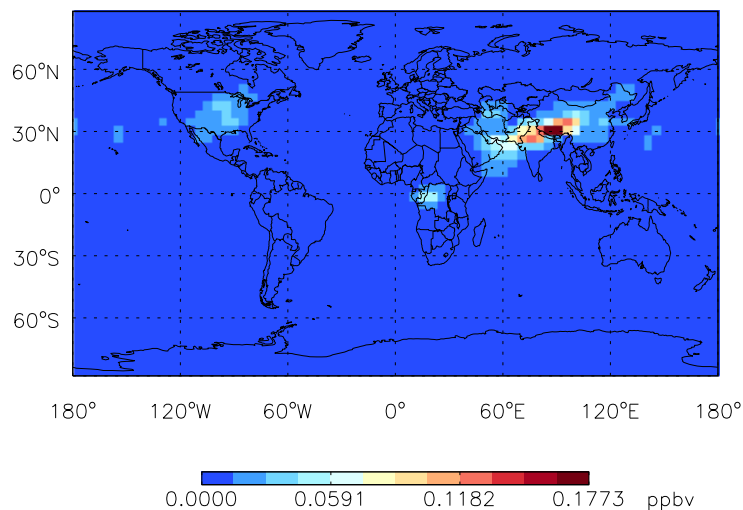
Tracer Map @ 500 hPa – MSA



Tracer Map @ Surface – NH₃



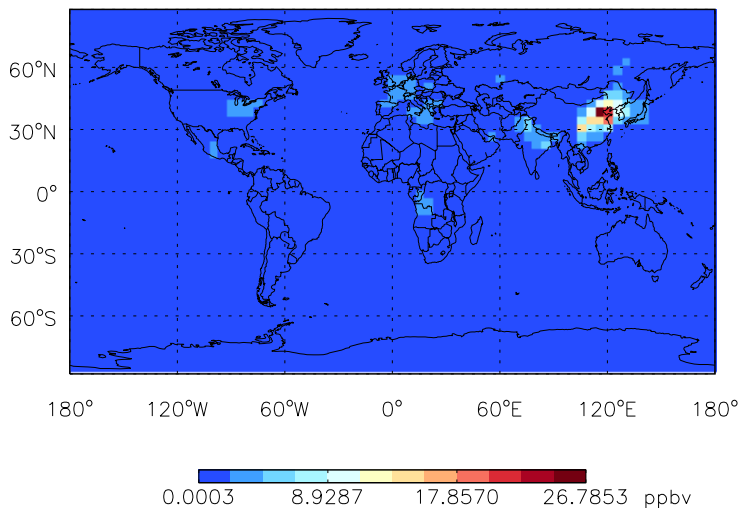
Tracer Map @ 500 hPa – NH₃



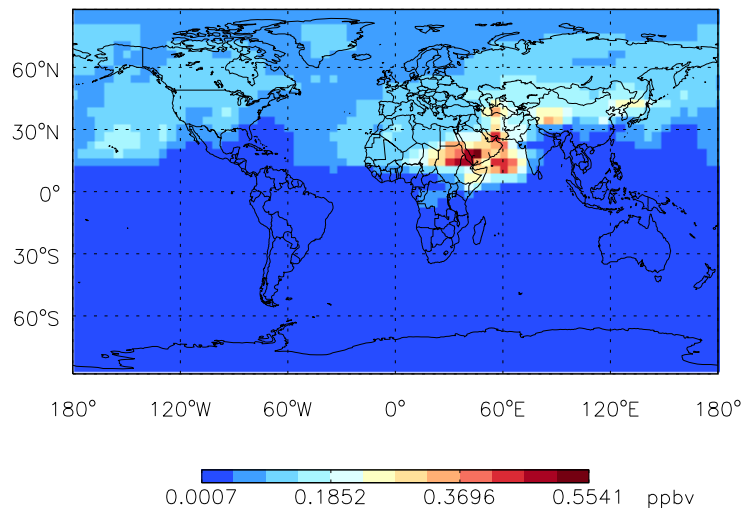
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

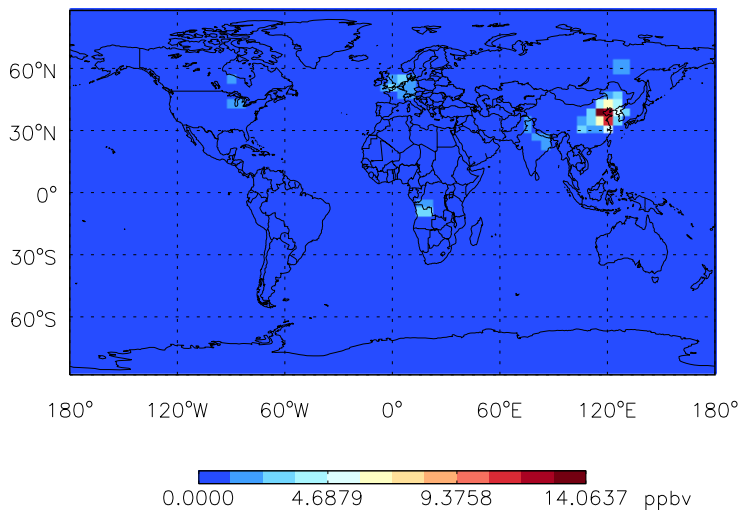
Tracer Map @ Surface - NH4



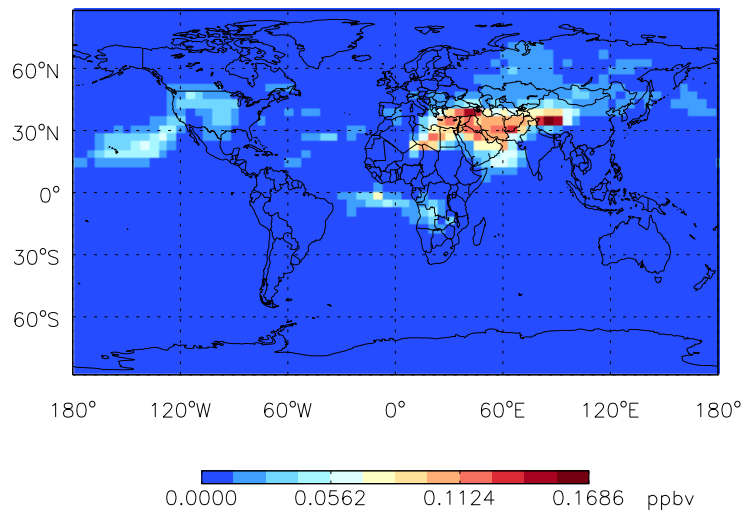
Tracer Map @ 500 hPa - NH4



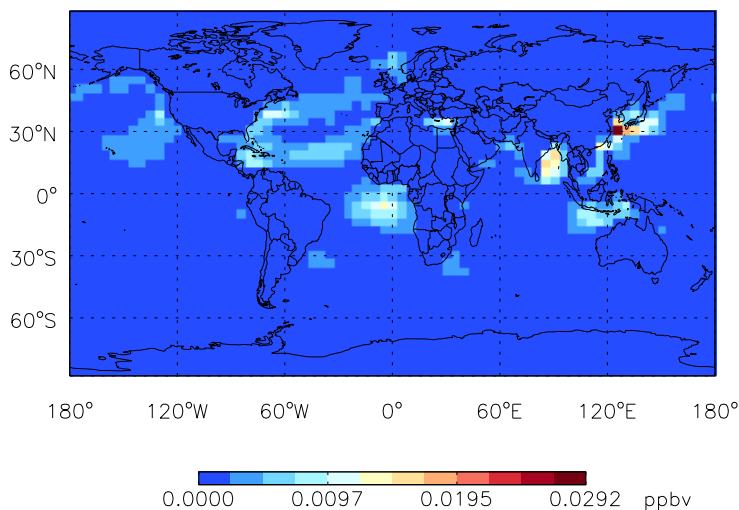
Tracer Map @ Surface - NIT



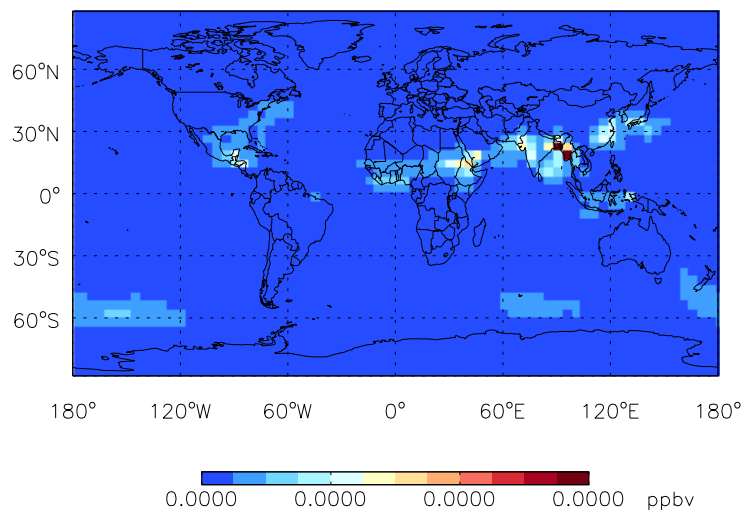
Tracer Map @ 500 hPa - NIT



Tracer Map @ Surface - NITs



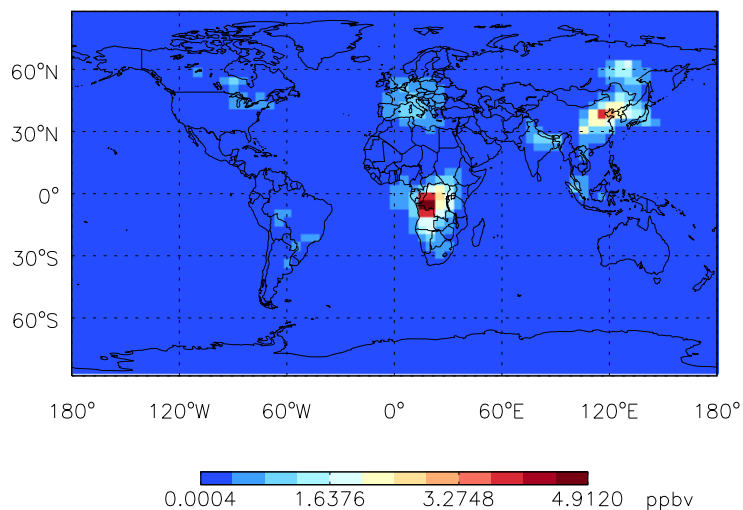
Tracer Map @ 500 hPa - NITs



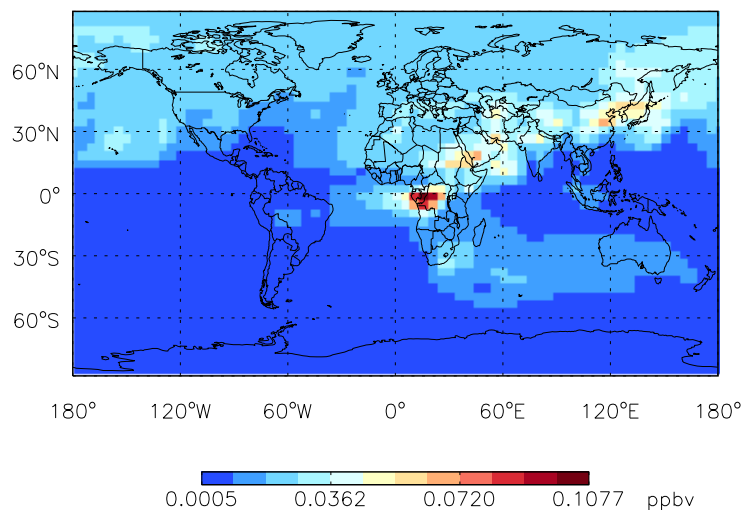
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

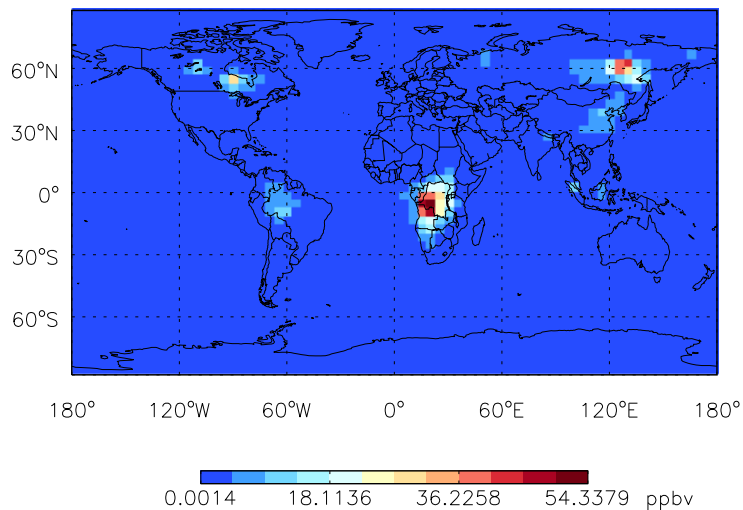
Tracer Map @ Surface - BCPI



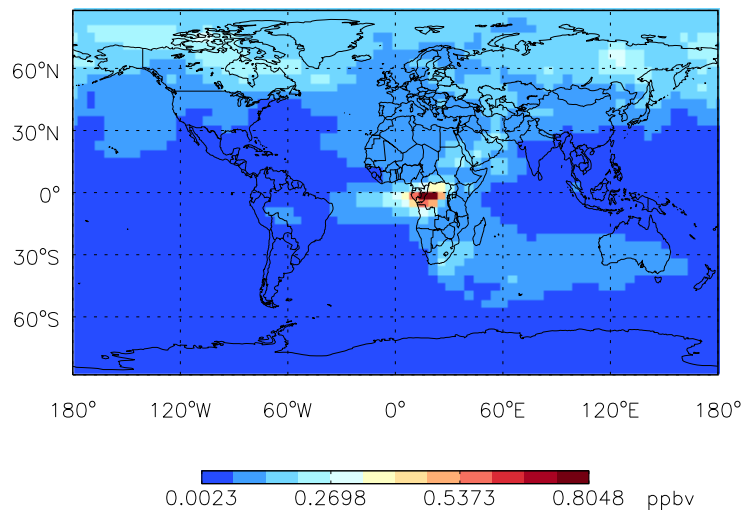
Tracer Map @ 500 hPa - BCPI



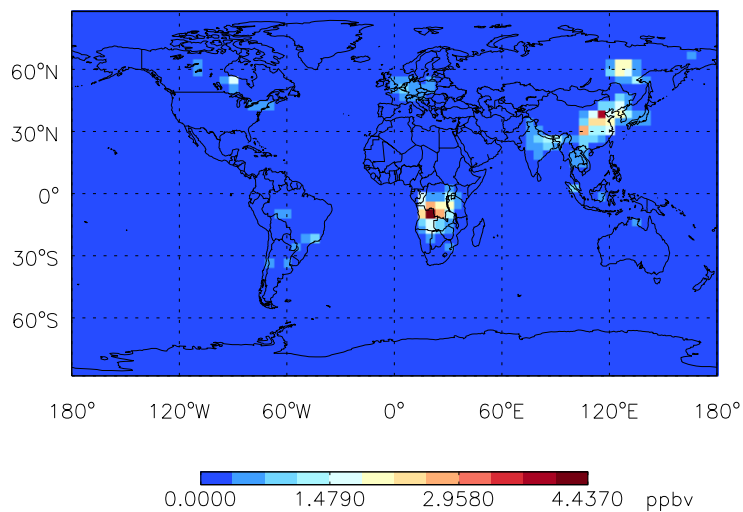
Tracer Map @ Surface - OCPI



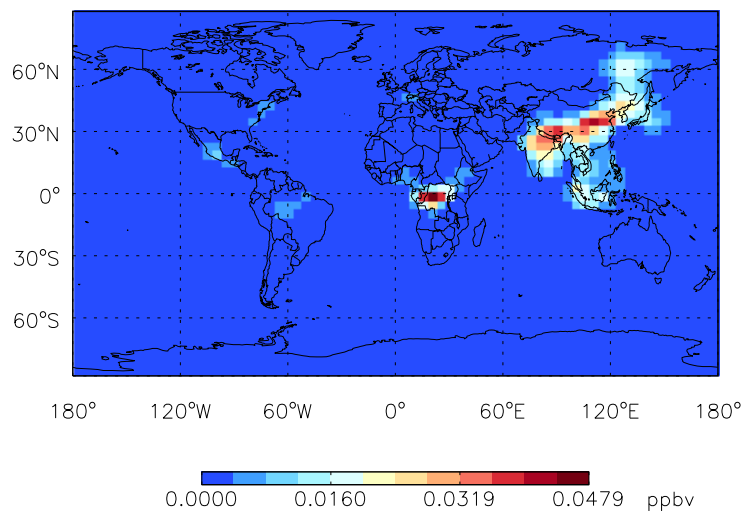
Tracer Map @ 500 hPa - OCPI



Tracer Map @ Surface - BCPO



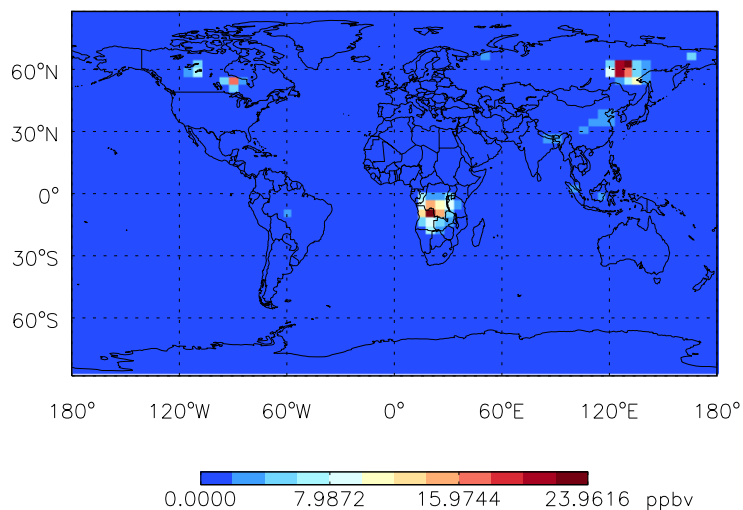
Tracer Map @ 500 hPa - BCPO



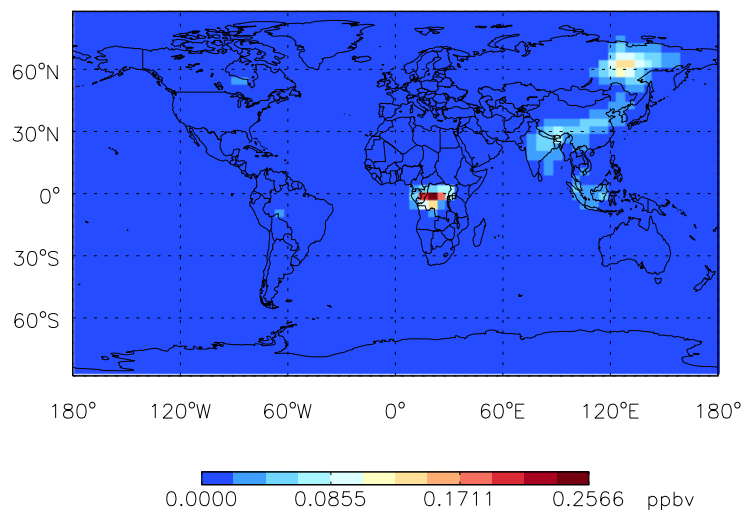
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

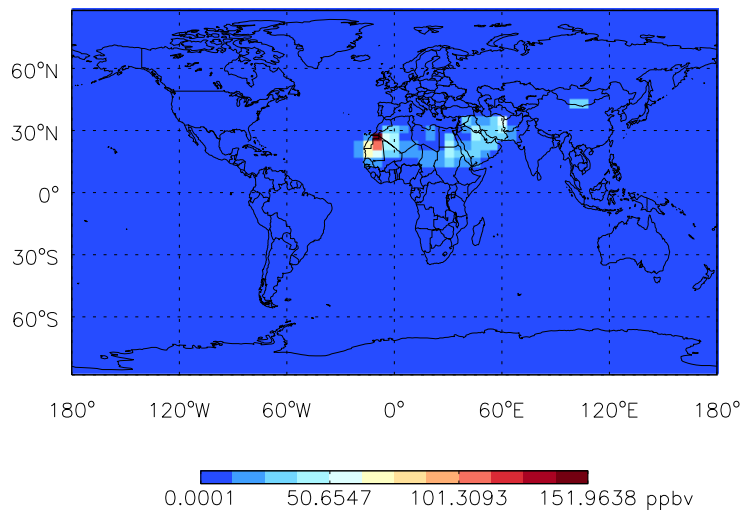
Tracer Map @ Surface – OCPO



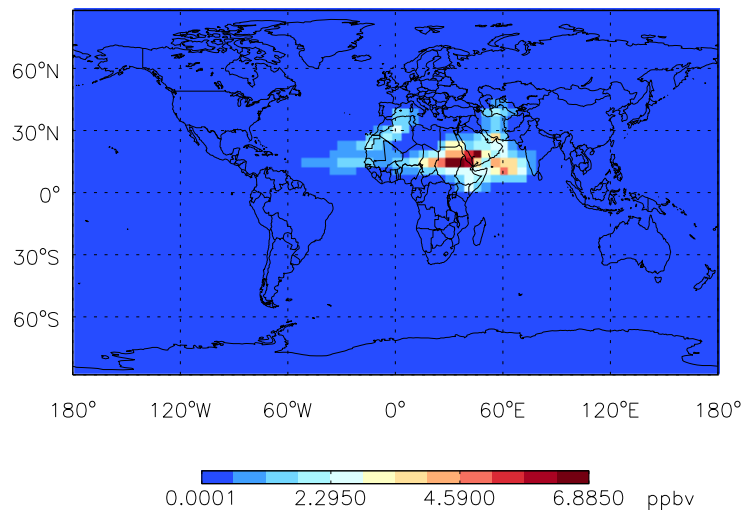
Tracer Map @ 500 hPa – OCPO



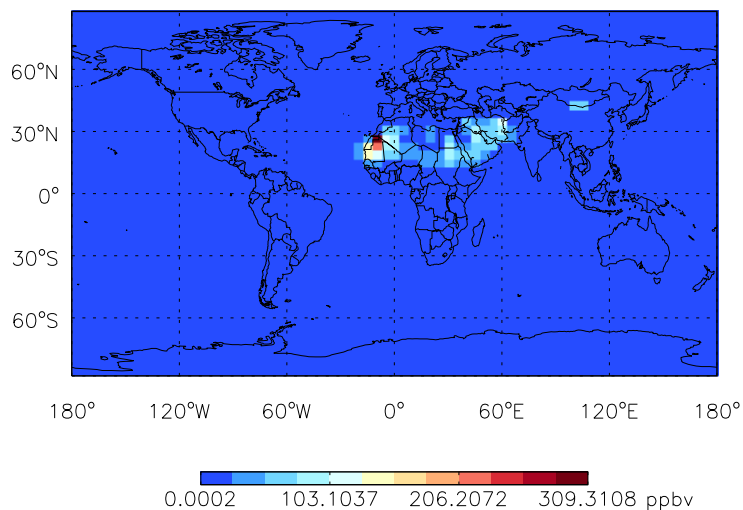
Tracer Map @ Surface – DST1



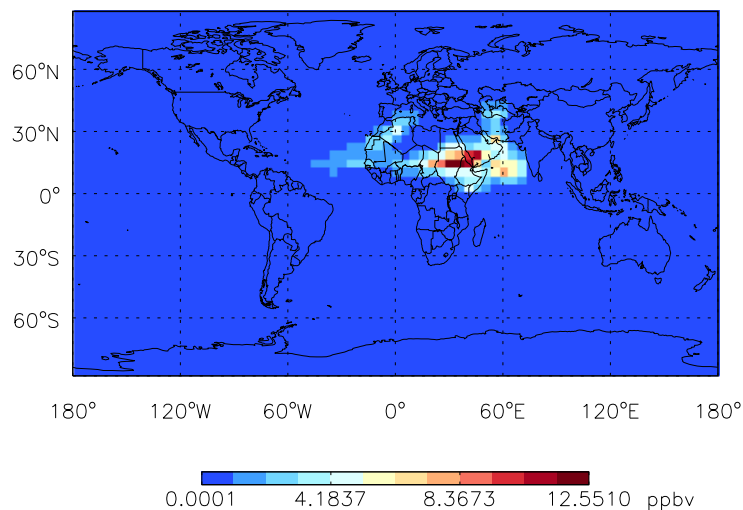
Tracer Map @ 500 hPa – DST1



Tracer Map @ Surface – DST2



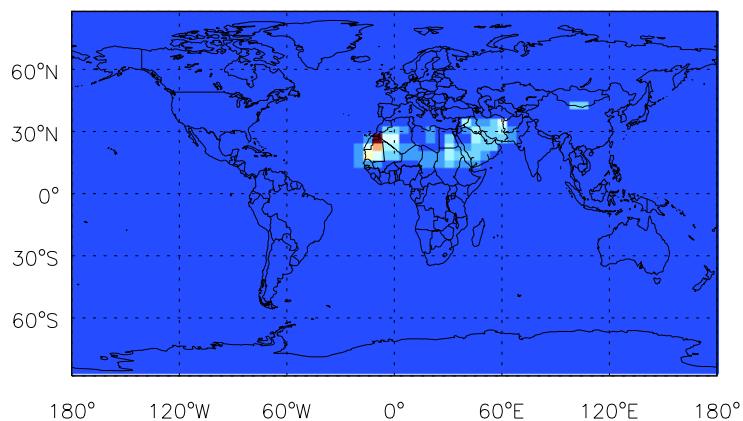
Tracer Map @ 500 hPa – DST2



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

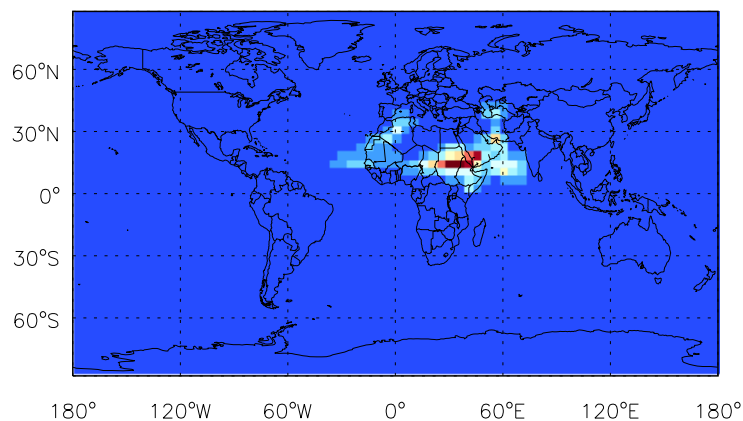
ctm.bpch.v9-02r.geosfp

Tracer Map @ Surface – DST3



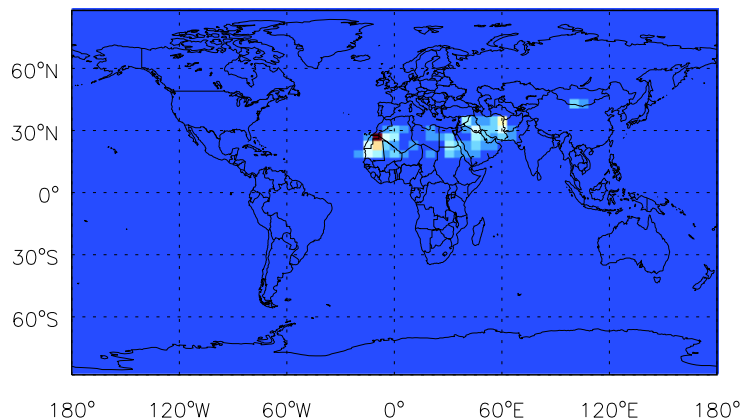
0.0001 119.2439 238.4877 357.7316 ppbv

Tracer Map @ 500 hPa – DST3



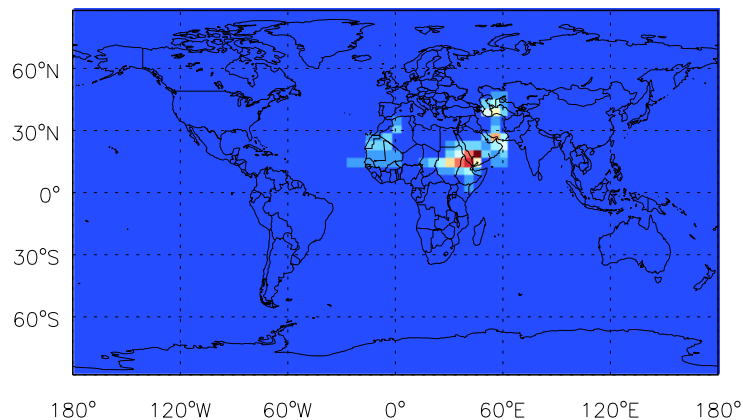
0.0000 3.6769 7.3537 11.0305 ppbv

Tracer Map @ Surface – DST4



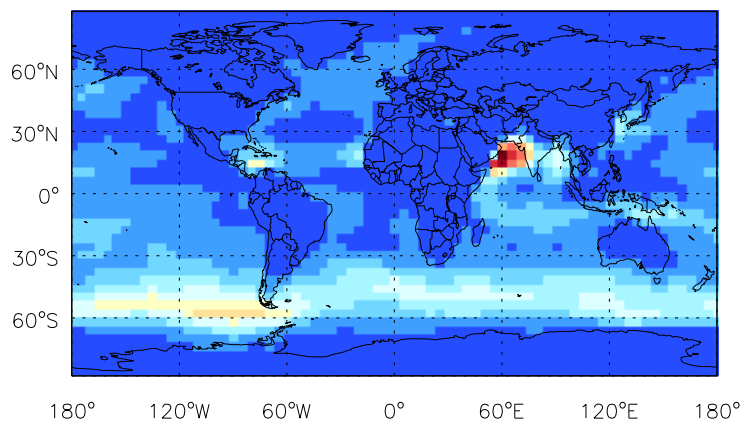
0.0000 78.7088 157.4176 236.1264 ppbv

Tracer Map @ 500 hPa – DST4



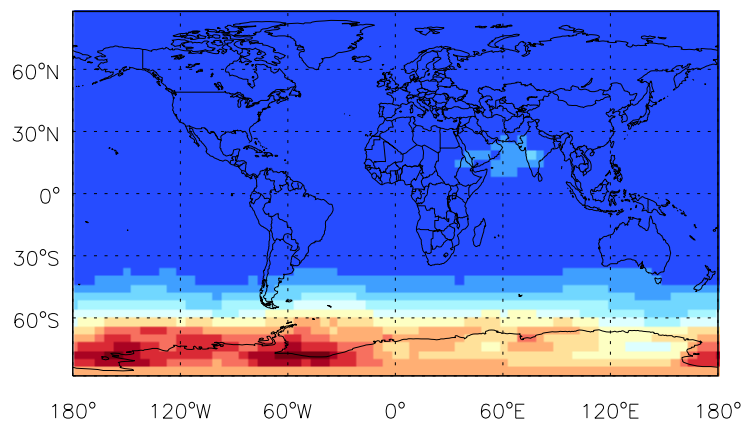
0.0000 0.4669 0.9337 1.4006 ppbv

Tracer Map @ Surface – SALA



0.0005 1.1492 2.2980 3.4467 ppbv

Tracer Map @ 500 hPa – SALA

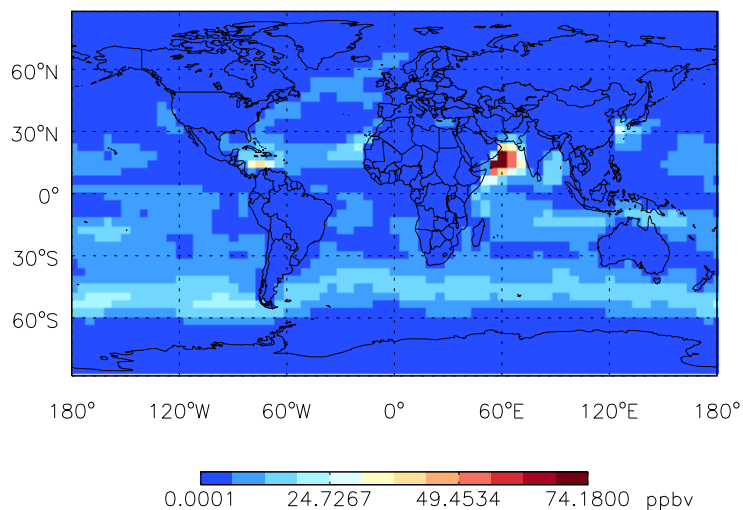


0.0001 0.0417 0.0832 0.1248 ppbv

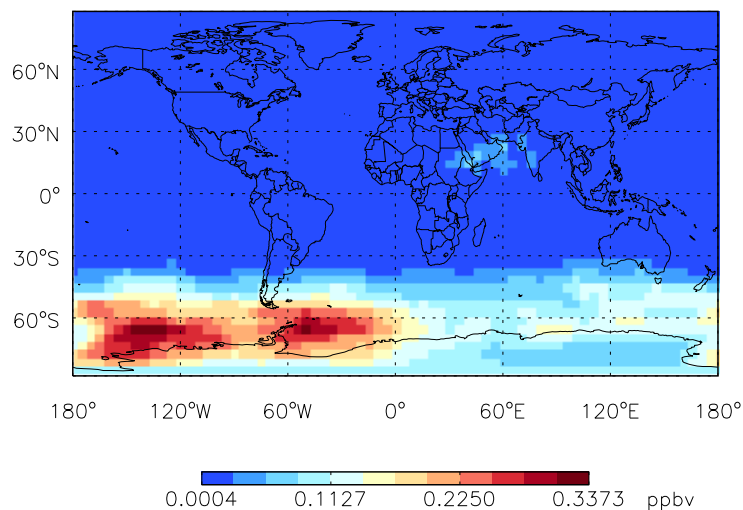
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

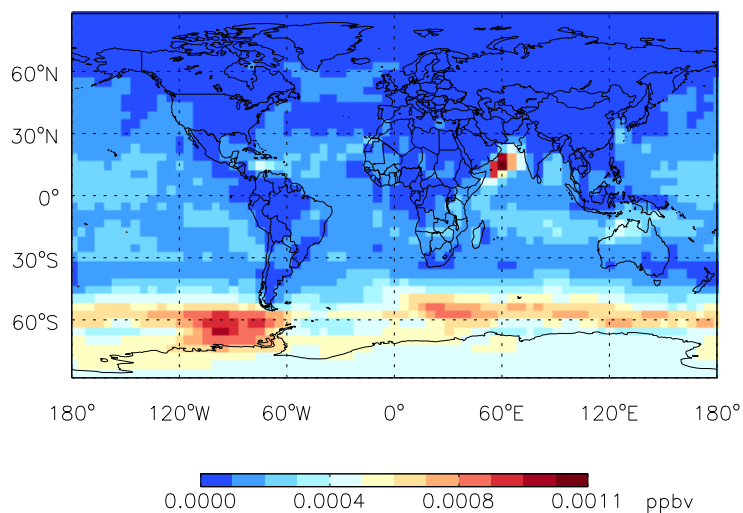
Tracer Map @ Surface – SALC



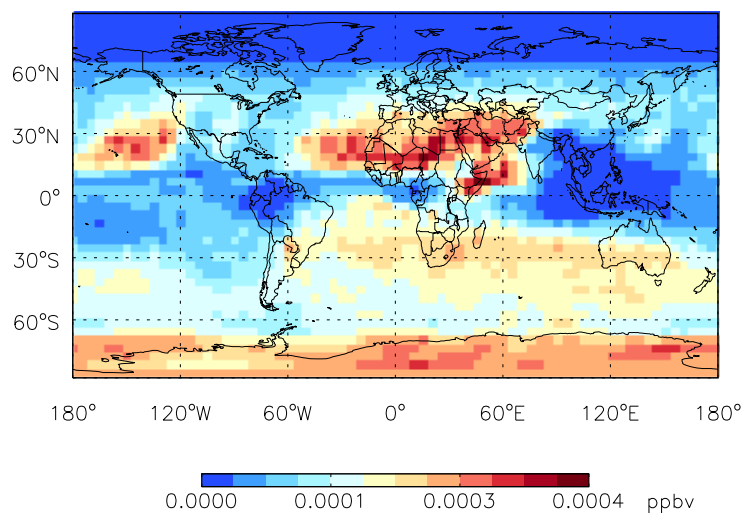
Tracer Map @ 500 hPa – SALC



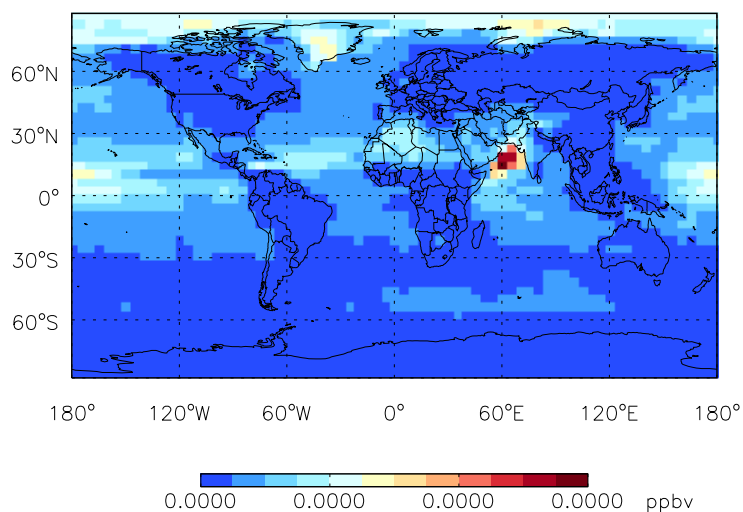
Tracer Map @ Surface – Br2



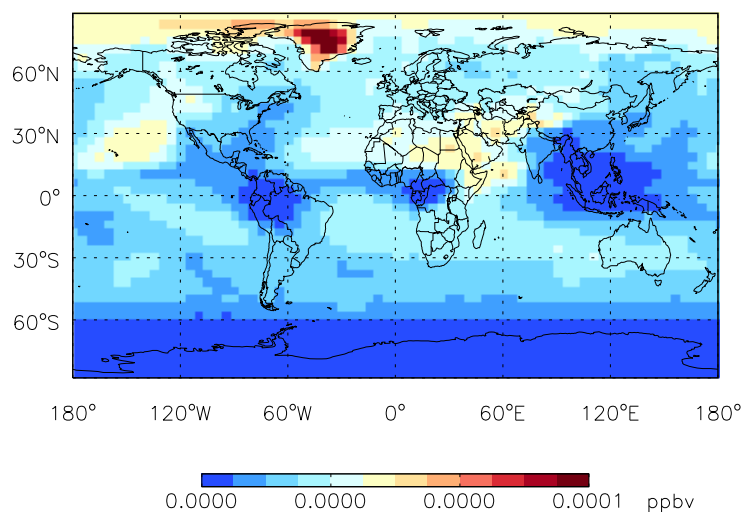
Tracer Map @ 500 hPa – Br2



Tracer Map @ Surface – Br



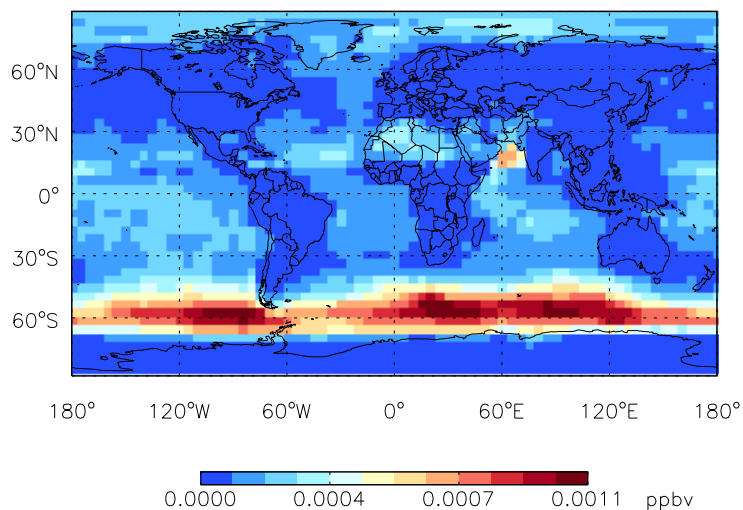
Tracer Map @ 500 hPa – Br



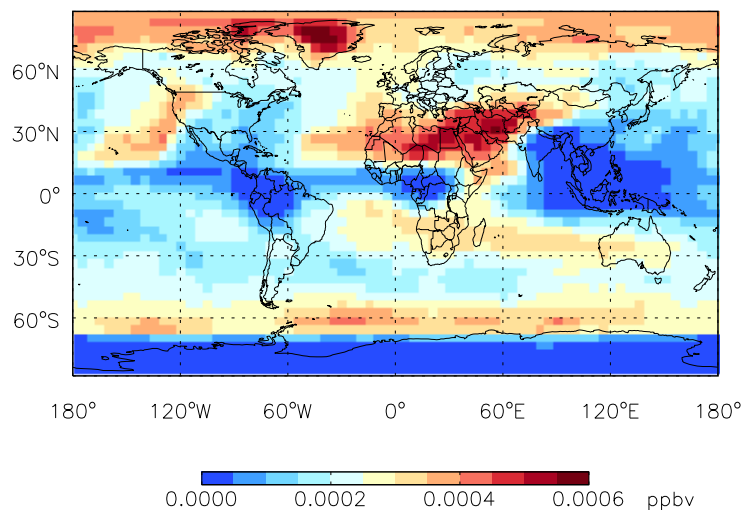
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

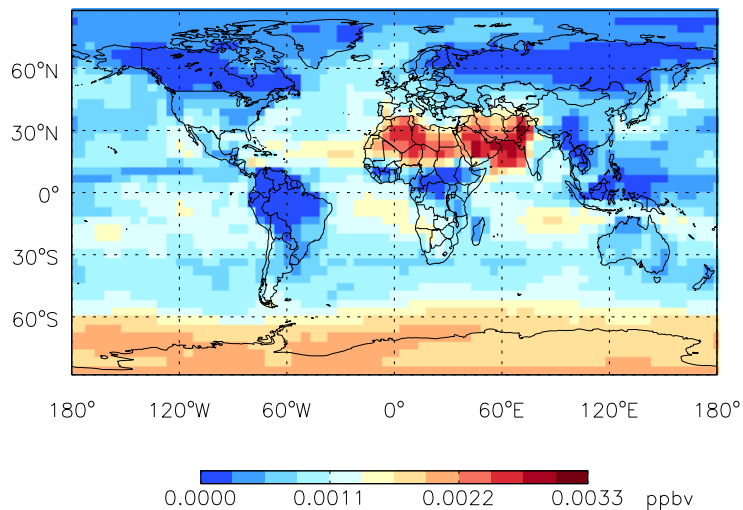
Tracer Map @ Surface – BrO



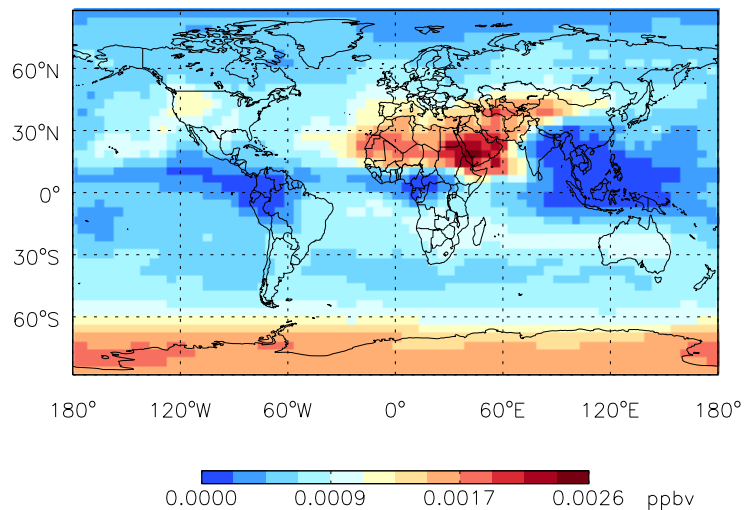
Tracer Map @ 500 hPa – BrO



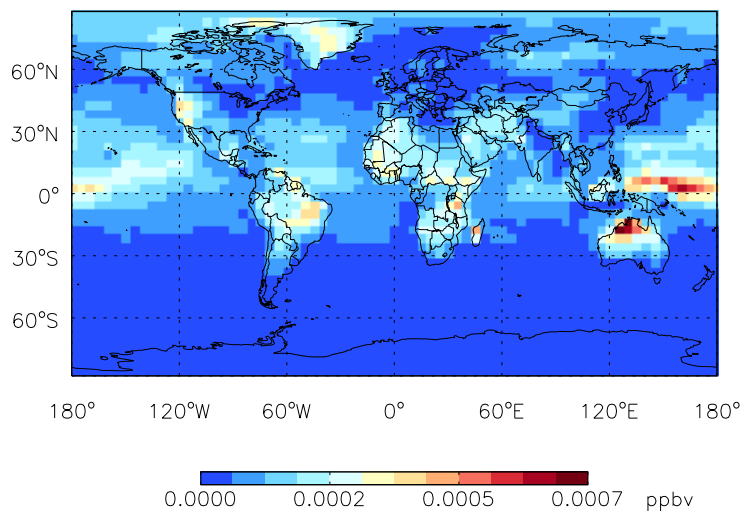
Tracer Map @ Surface – HOBr



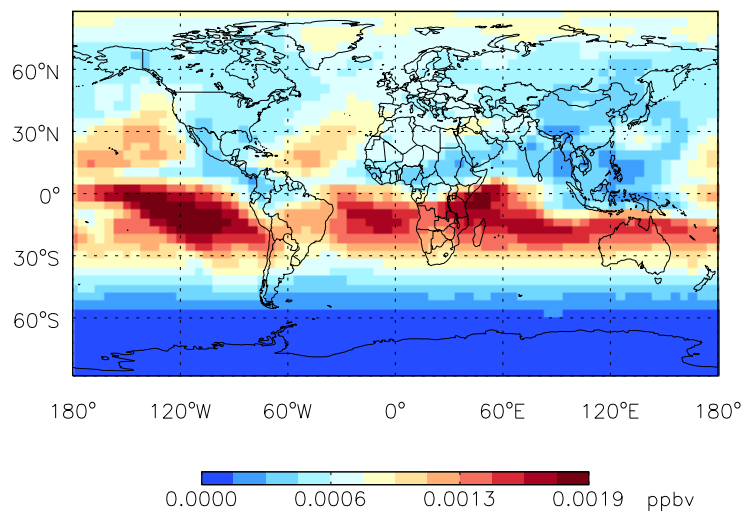
Tracer Map @ 500 hPa – HOBr



Tracer Map @ Surface – HBr



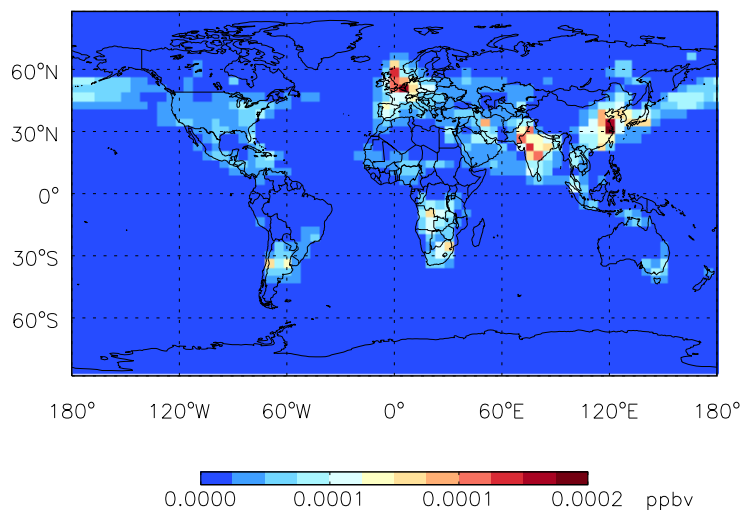
Tracer Map @ 500 hPa – HBr



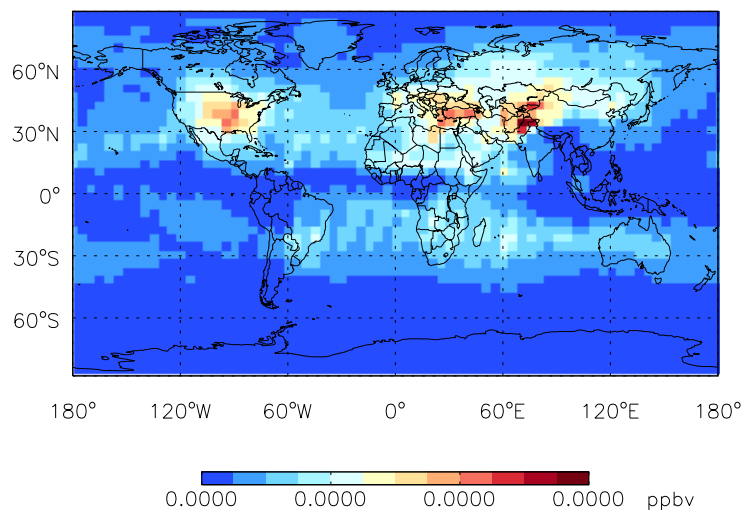
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

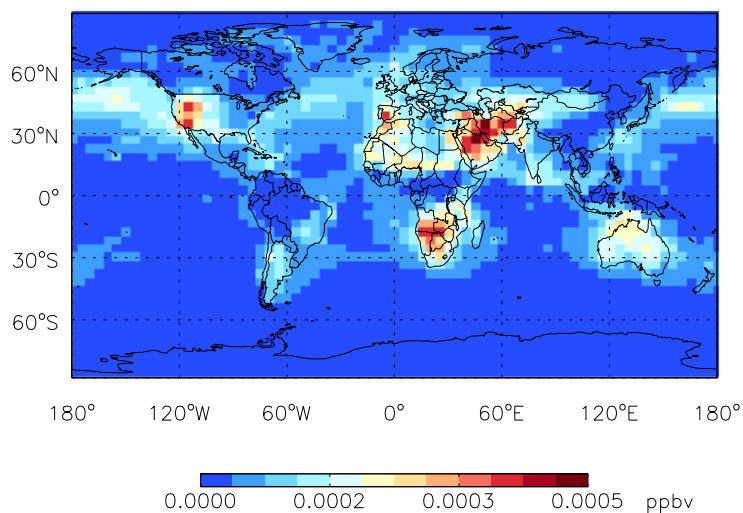
Tracer Map @ Surface – BrNO2



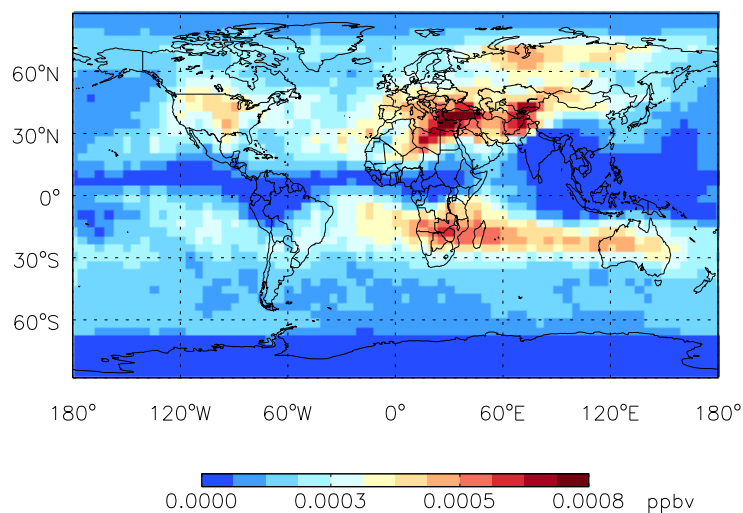
Tracer Map @ 500 hPa – BrNO2



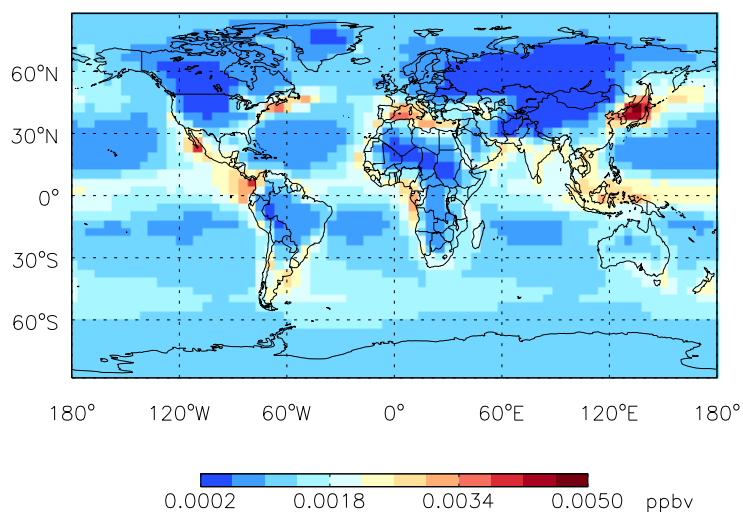
Tracer Map @ Surface – BrNO3



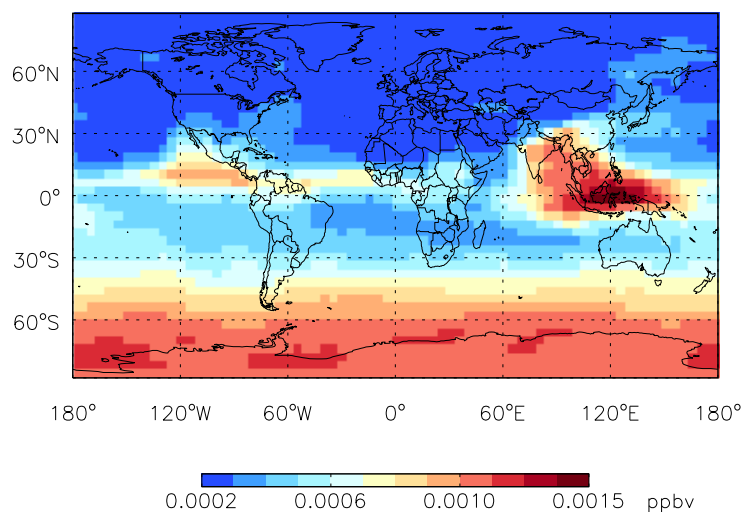
Tracer Map @ 500 hPa – BrNO3



Tracer Map @ Surface – CHBr3



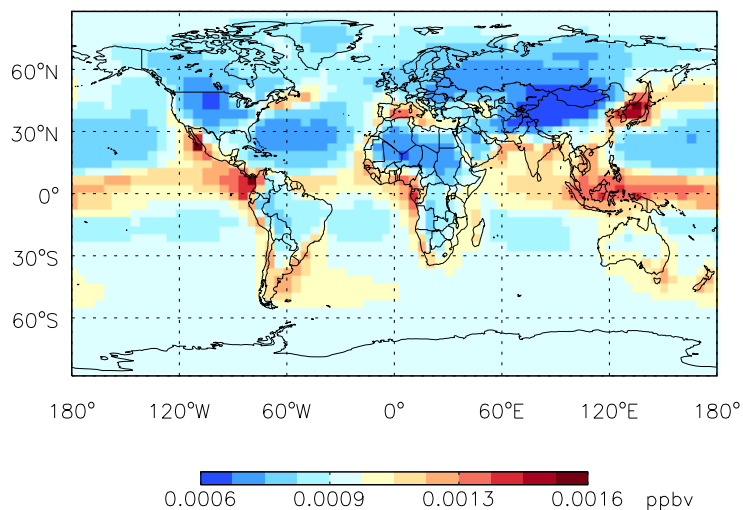
Tracer Map @ 500 hPa – CHBr3



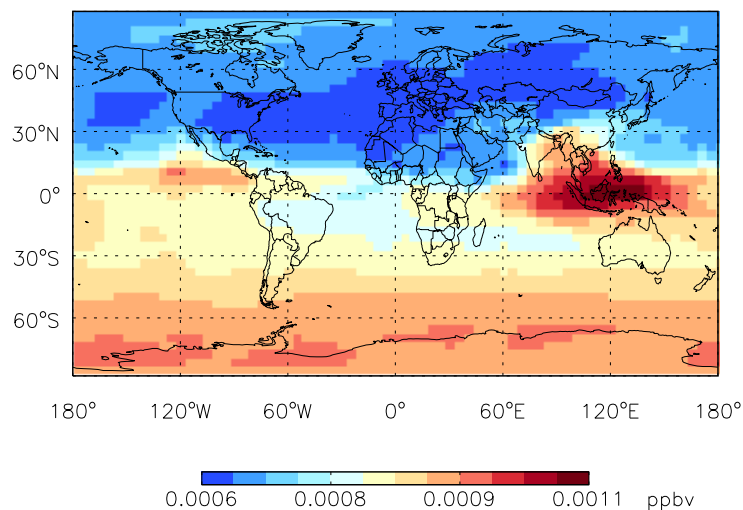
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

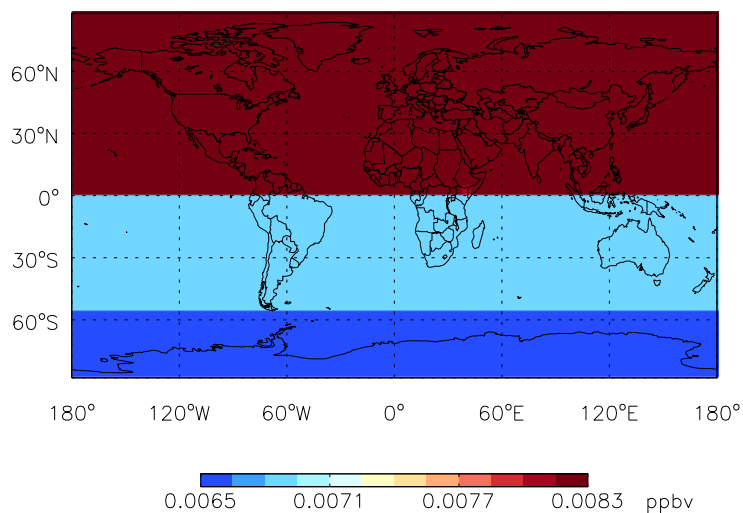
Tracer Map @ Surface - CH₂Br₂



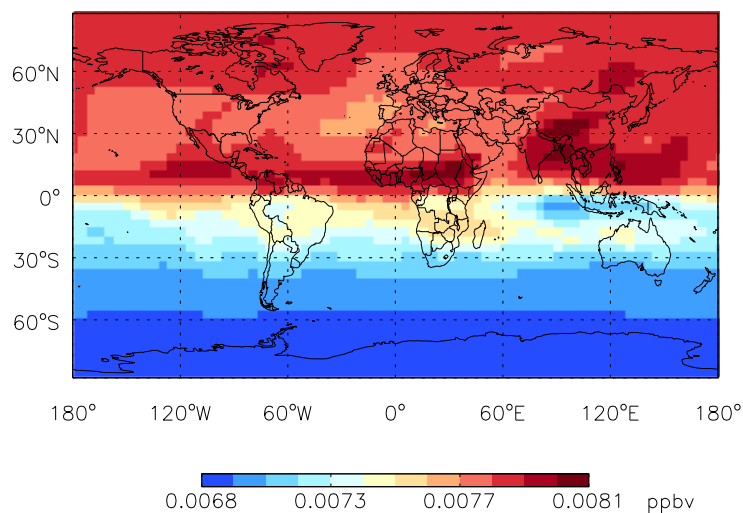
Tracer Map @ 500 hPa - CH₂Br₂



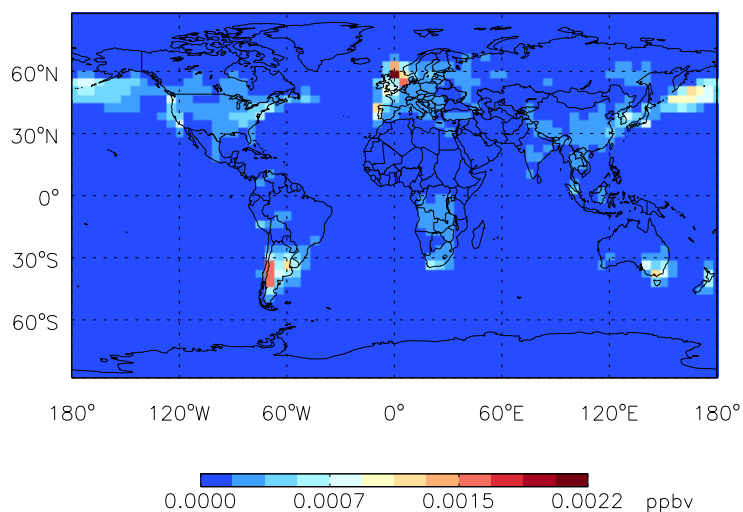
Tracer Map @ Surface - CH₃Br



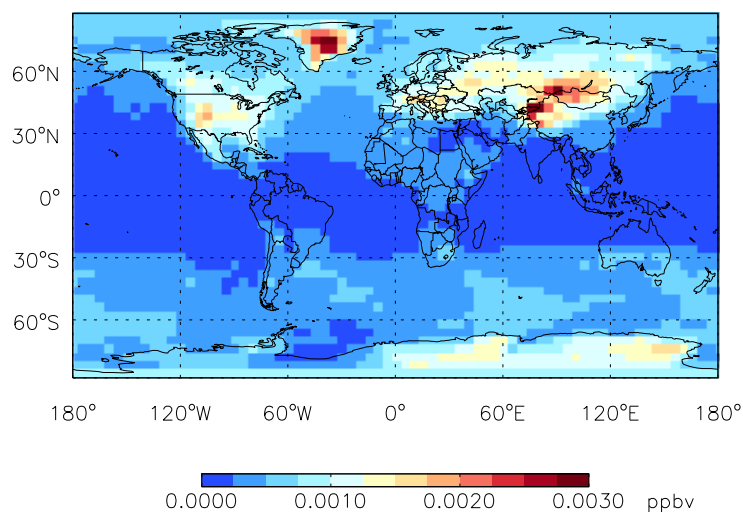
Tracer Map @ 500 hPa - CH₃Br



Tracer Map @ Surface - MPN



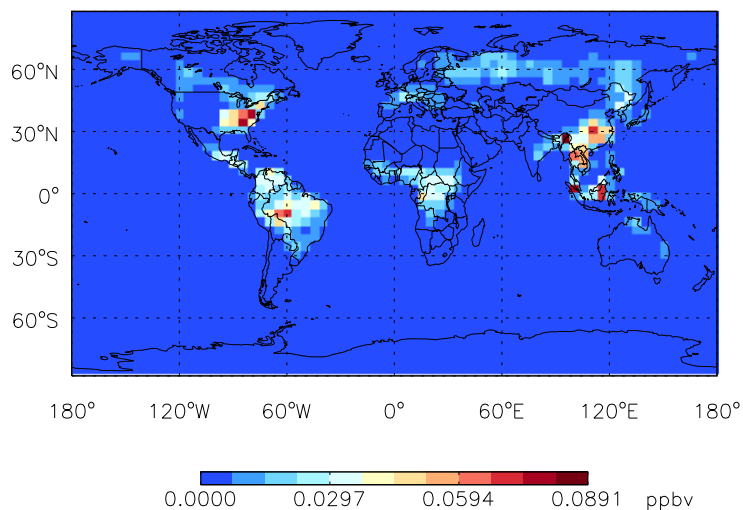
Tracer Map @ 500 hPa - MPN



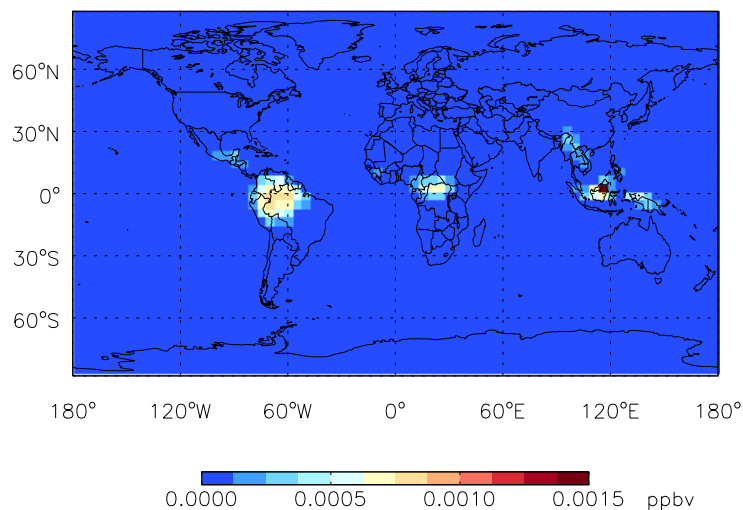
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

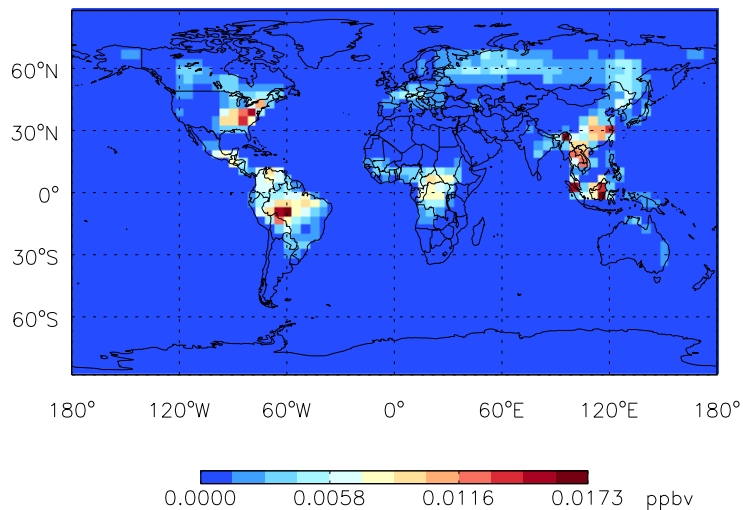
Tracer Map @ Surface – ISOPN



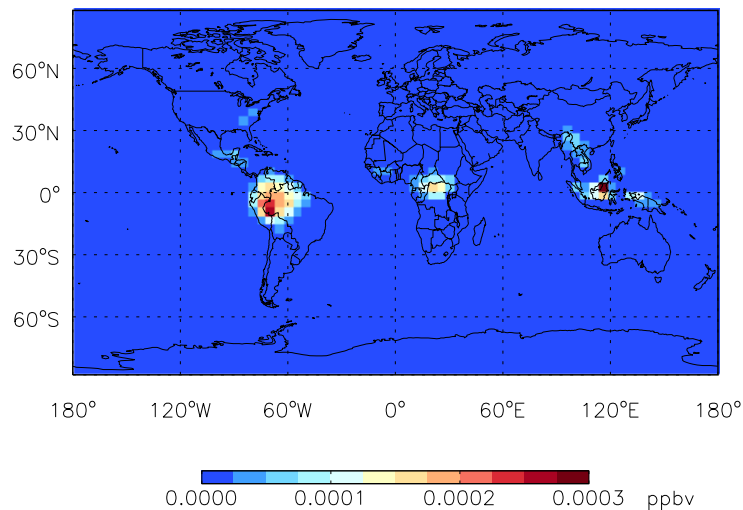
Tracer Map @ 500 hPa – ISOPN



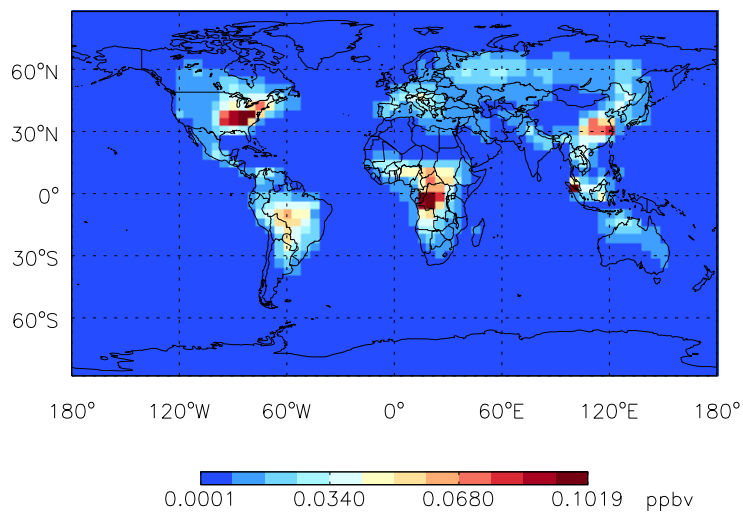
Tracer Map @ Surface – MOBA



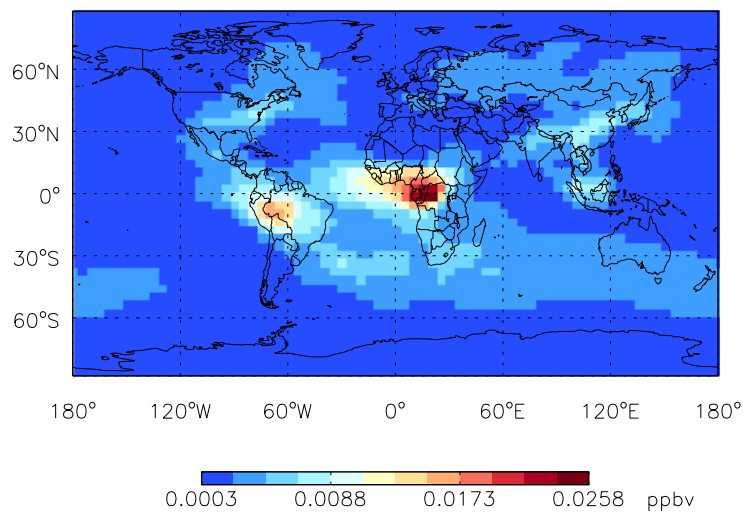
Tracer Map @ 500 hPa – MOBA



Tracer Map @ Surface – PROPNN



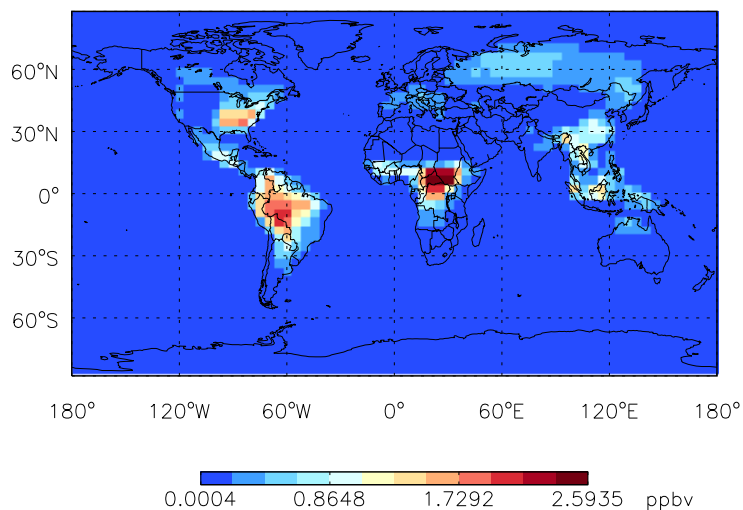
Tracer Map @ 500 hPa – PROPNN



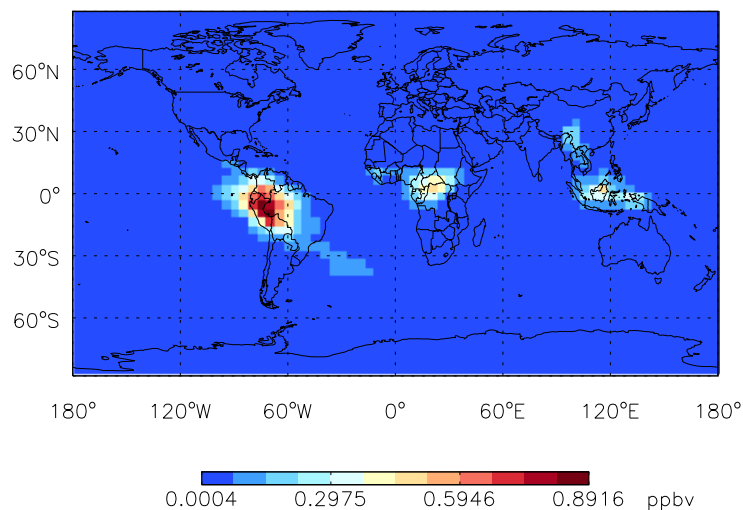
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

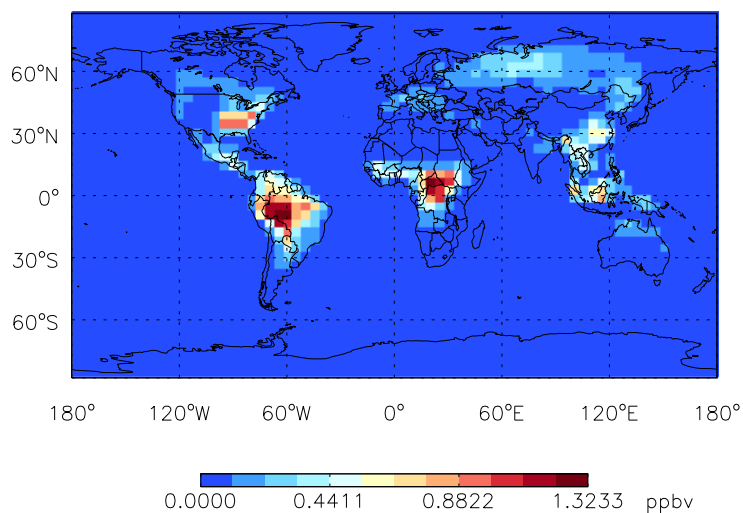
Tracer Map @ Surface - HAC



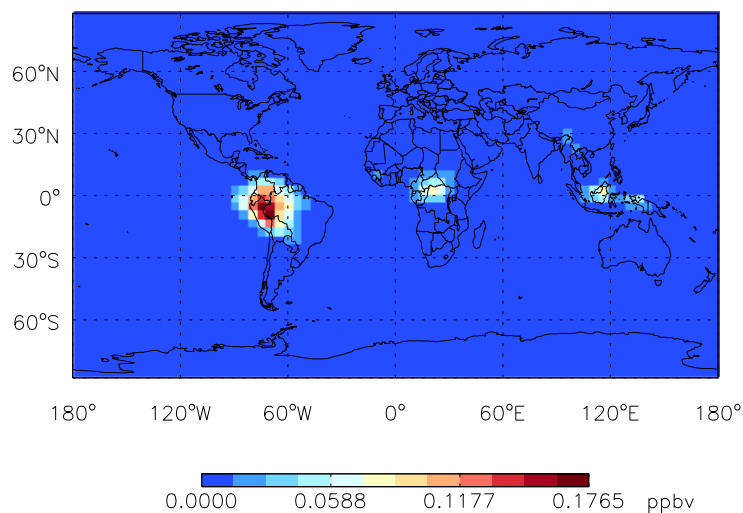
Tracer Map @ 500 hPa - HAC



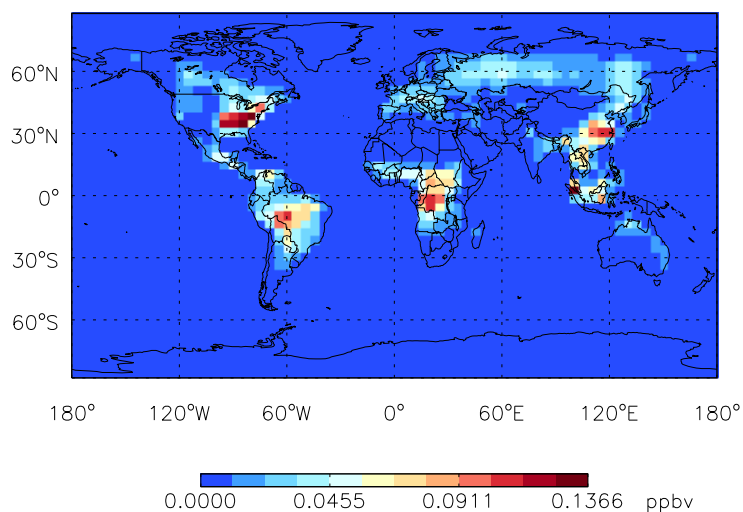
Tracer Map @ Surface - GLYC



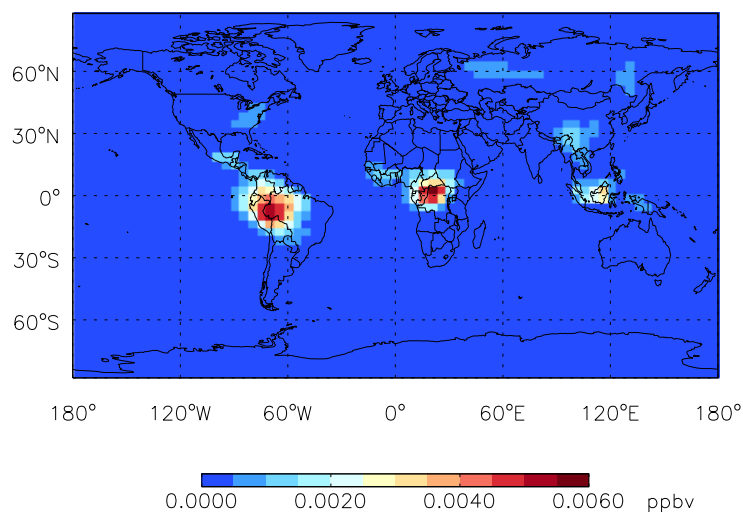
Tracer Map @ 500 hPa - GLYC



Tracer Map @ Surface - MMN



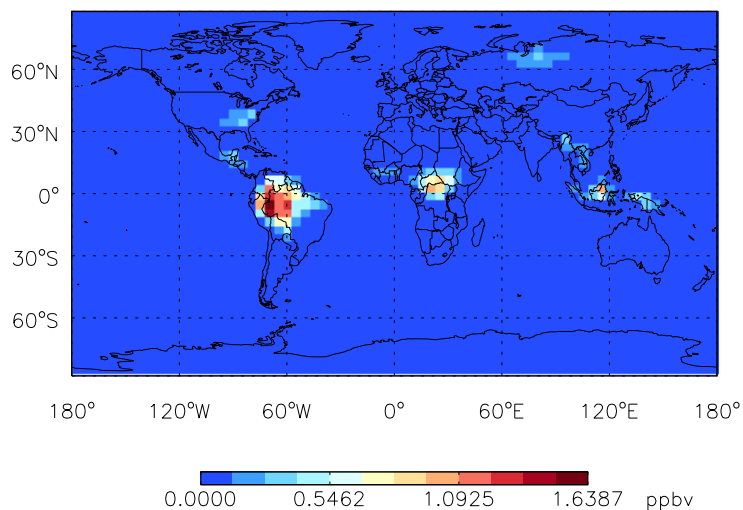
Tracer Map @ 500 hPa - MMN



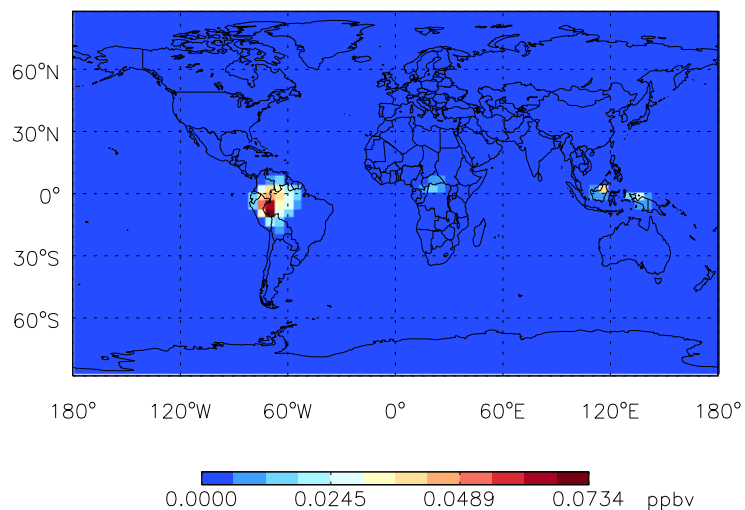
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

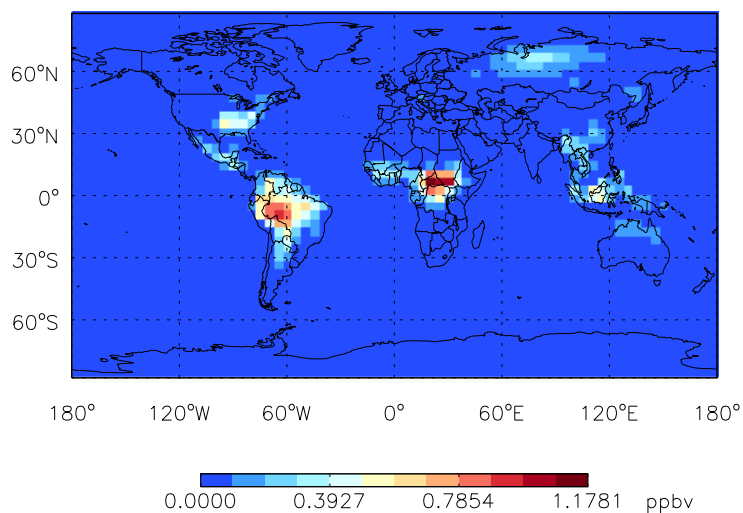
Tracer Map @ Surface – RIP



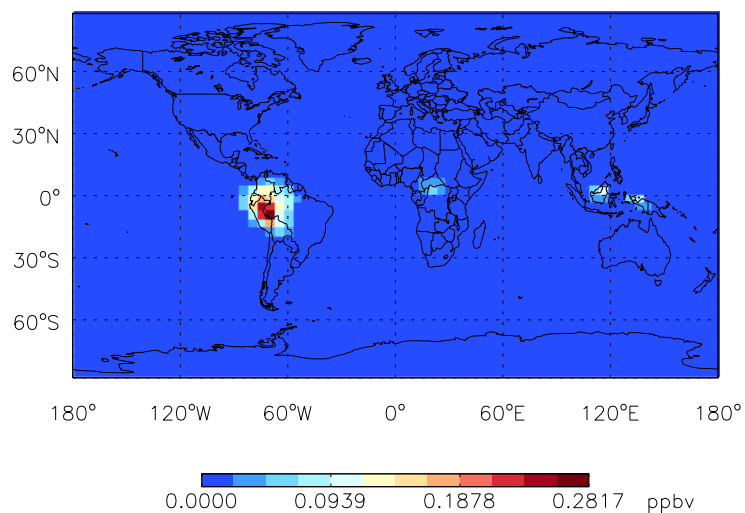
Tracer Map @ 500 hPa – RIP



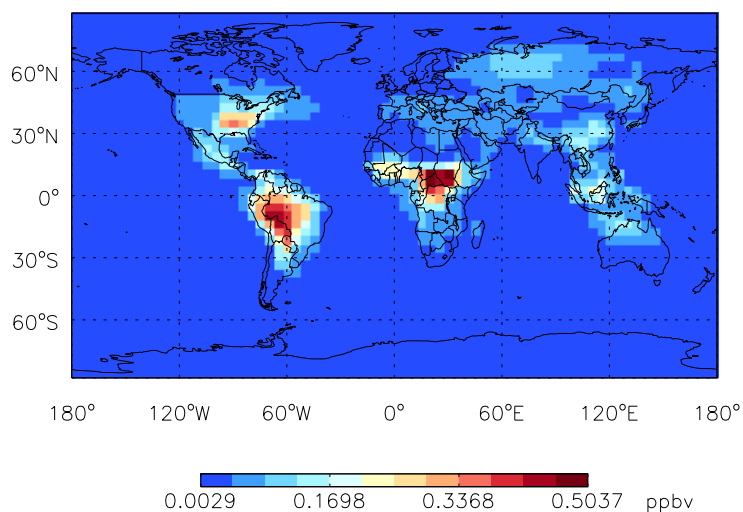
Tracer Map @ Surface – IEPOX



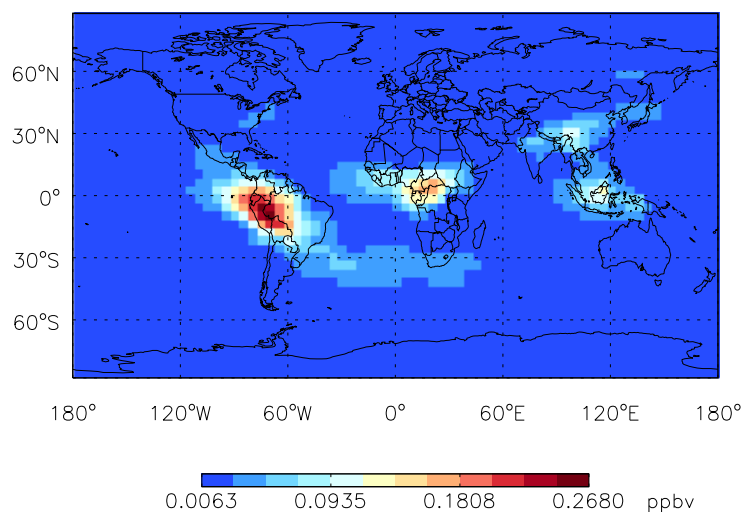
Tracer Map @ 500 hPa – IEPOX



Tracer Map @ Surface – MAP



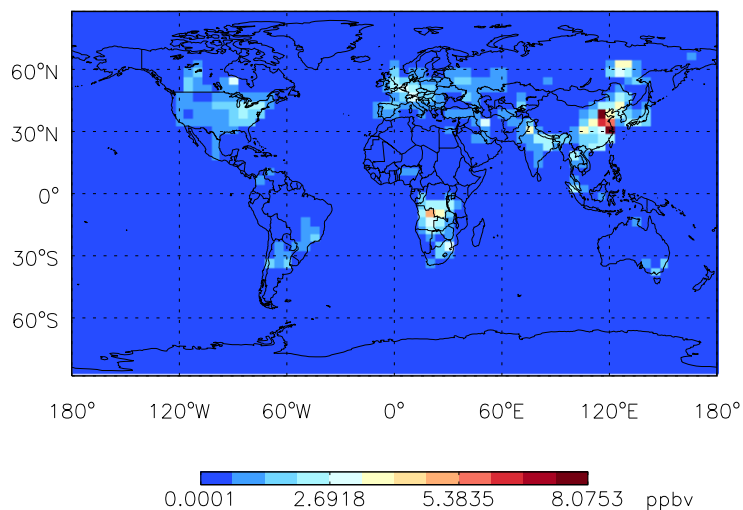
Tracer Map @ 500 hPa – MAP



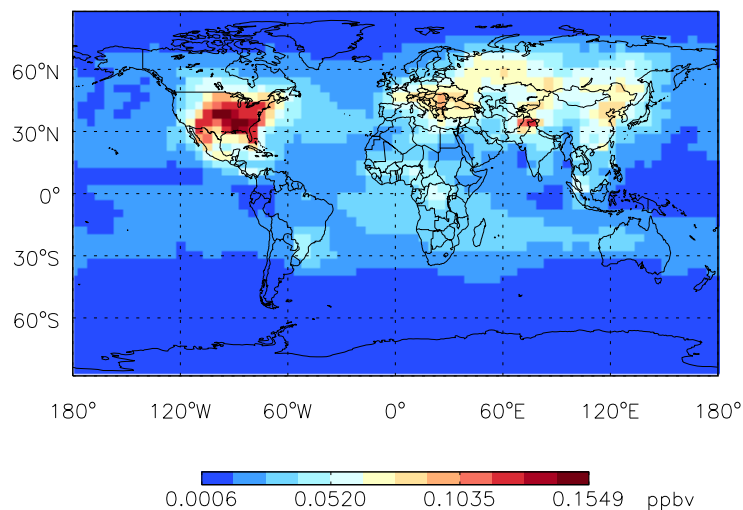
GEOS-Chem v9-02r.geosfp Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02r.geosfp

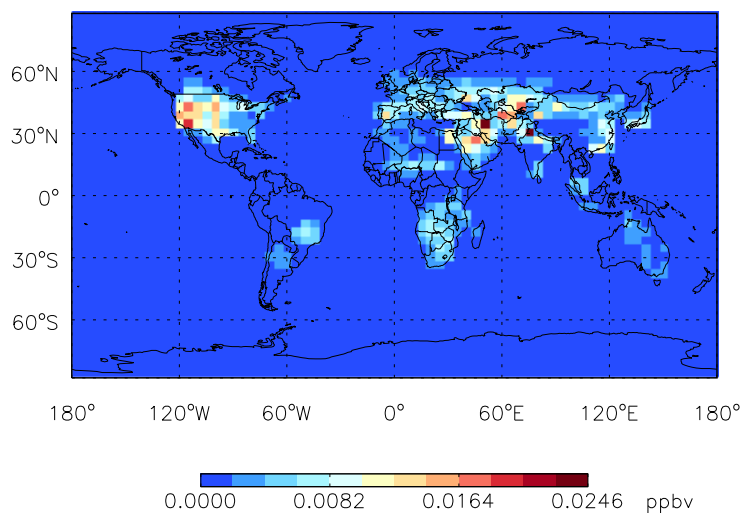
Tracer Map @ Surface - NO2



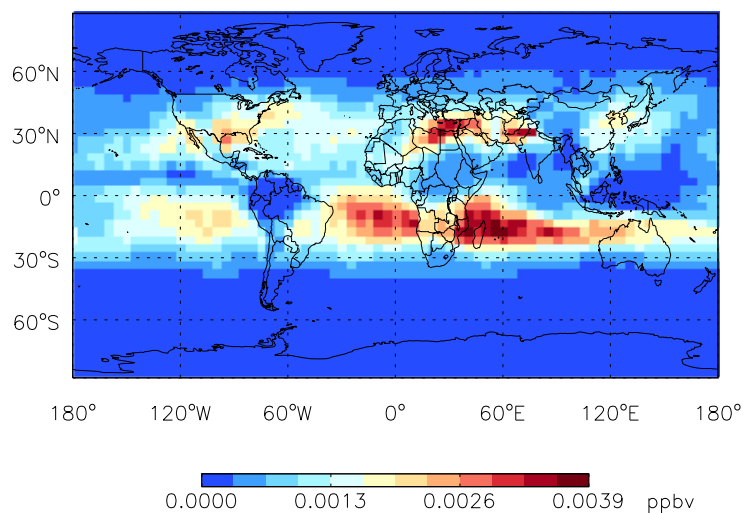
Tracer Map @ 500 hPa - NO2



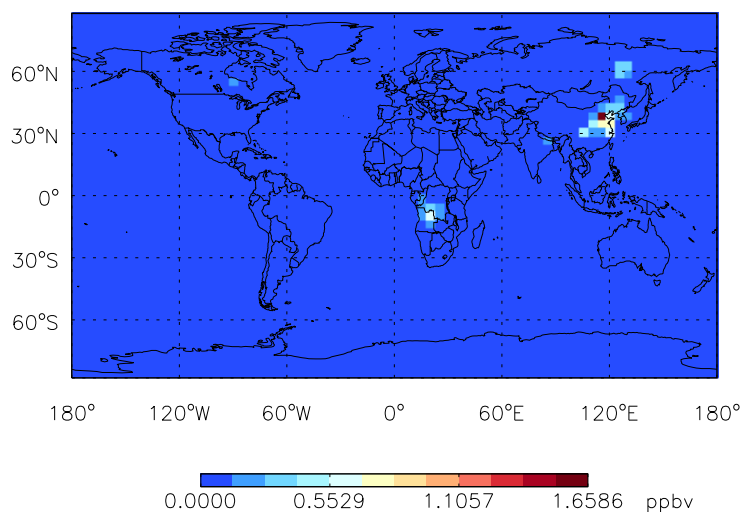
Tracer Map @ Surface - NO3



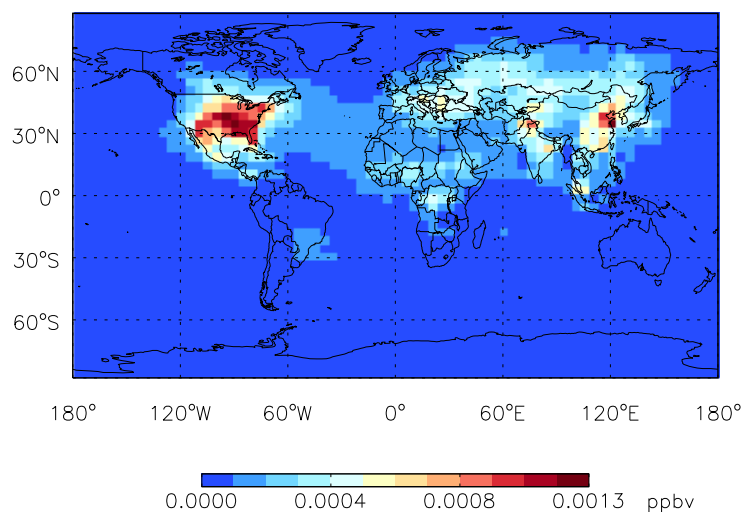
Tracer Map @ 500 hPa - NO3



Tracer Map @ Surface - HNO2



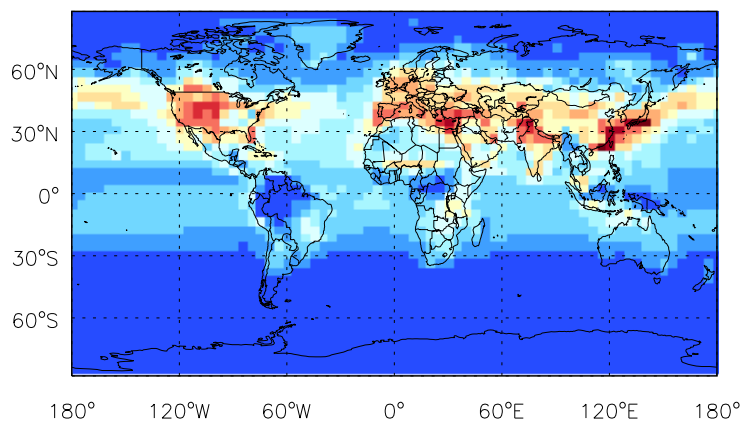
Tracer Map @ 500 hPa - HNO2



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

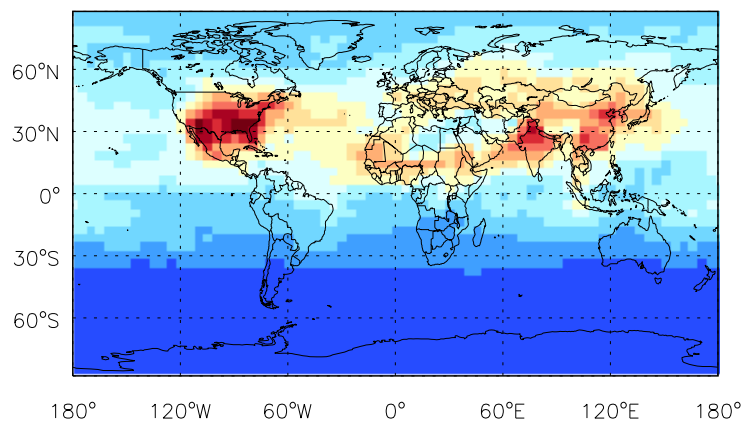
ctm.bpch.v9-02r.geosfp

Tracer Map @ Surface - OH



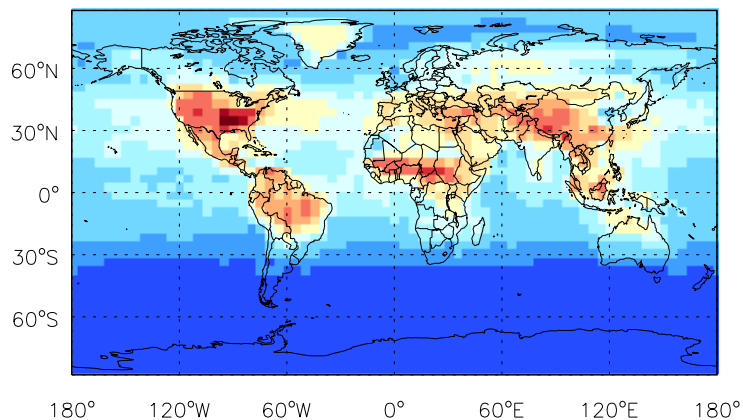
0.0000 17.7612 35.5224 53.2835 1e5 molec/cm3

Tracer Map @ 500 hPa - OH



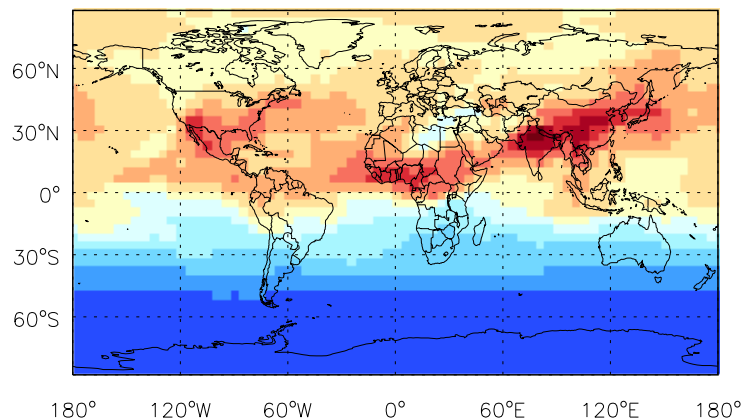
0.0003 17.2368 34.4734 51.7099 1e5 molec/cm3

Tracer Map @ Surface - HO2



0.0001 5.6682 11.3363 17.0044 pptv

Tracer Map @ 500 hPa - HO2



0.0011 5.2444 10.4876 15.7309 pptv