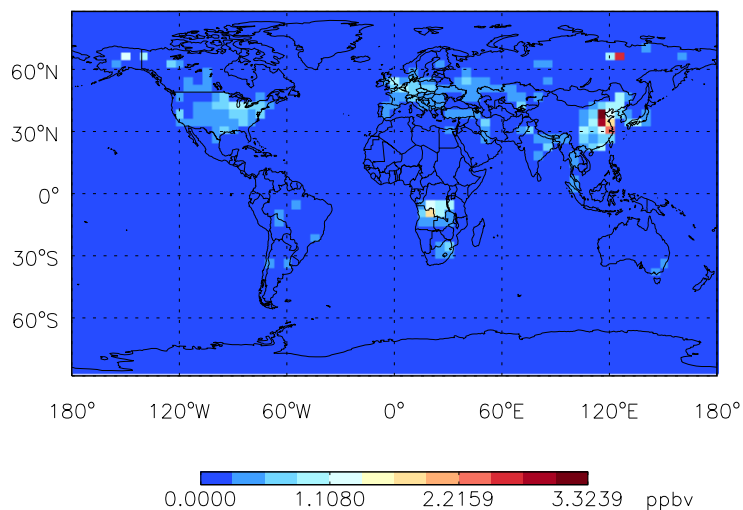


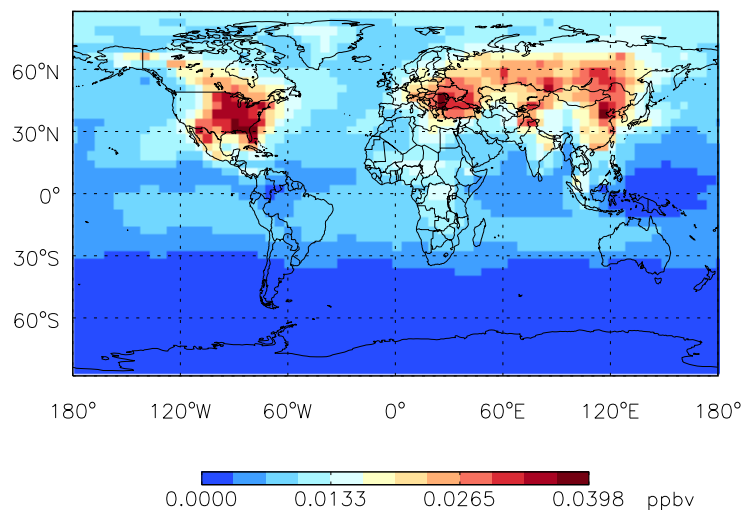
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

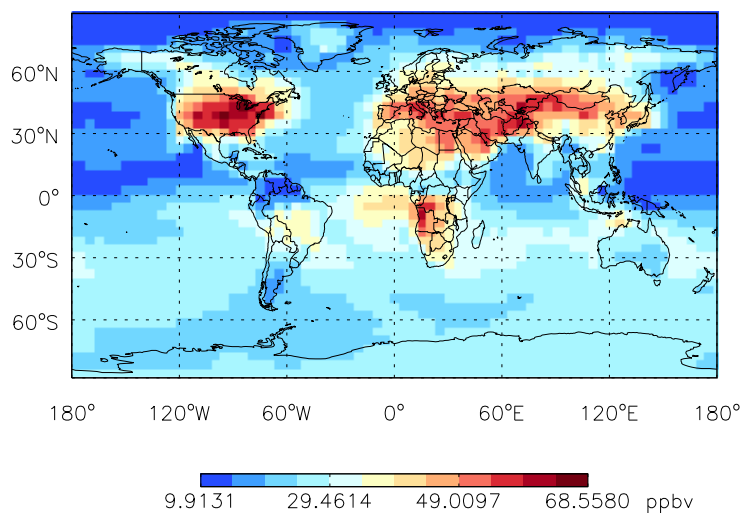
Tracer Map @ Surface – NO



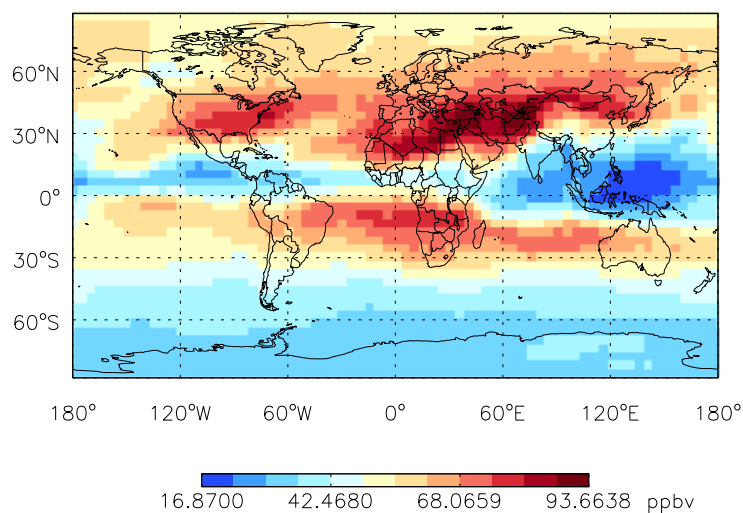
Tracer Map @ 500 hPa – NO



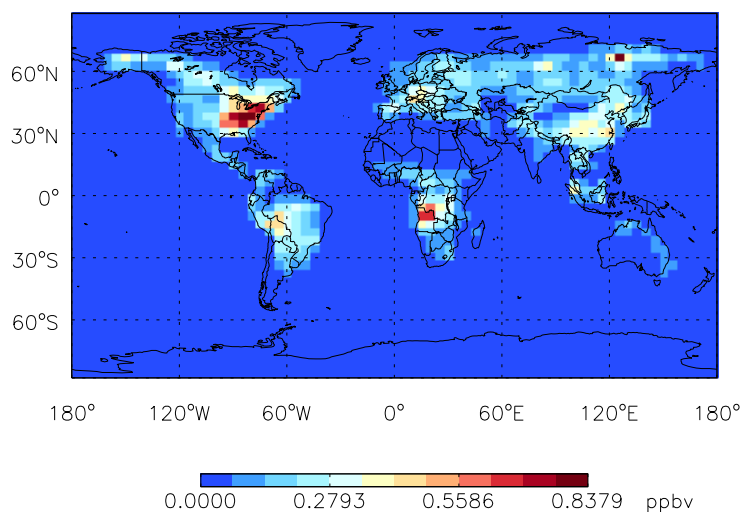
Tracer Map @ Surface – O3



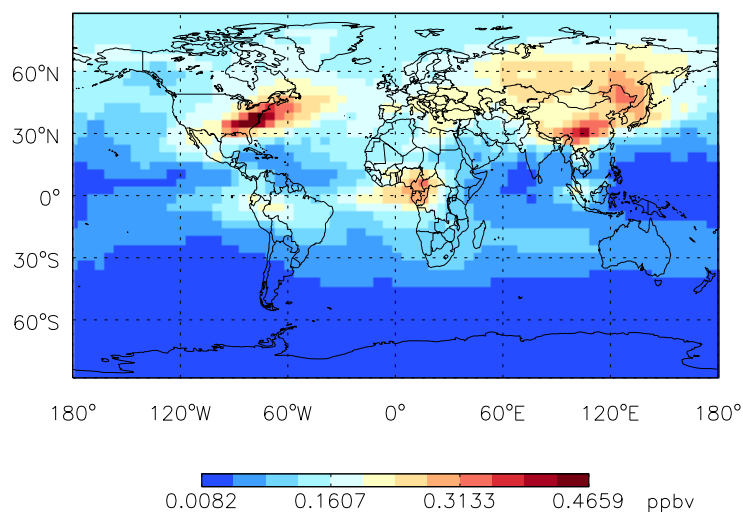
Tracer Map @ 500 hPa – O3



Tracer Map @ Surface – PAN



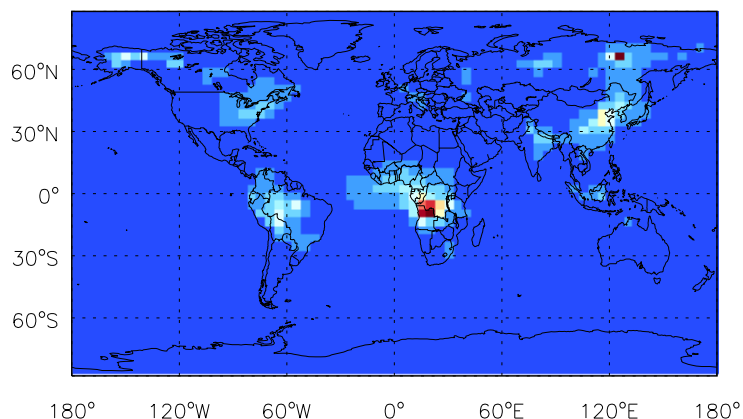
Tracer Map @ 500 hPa – PAN



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

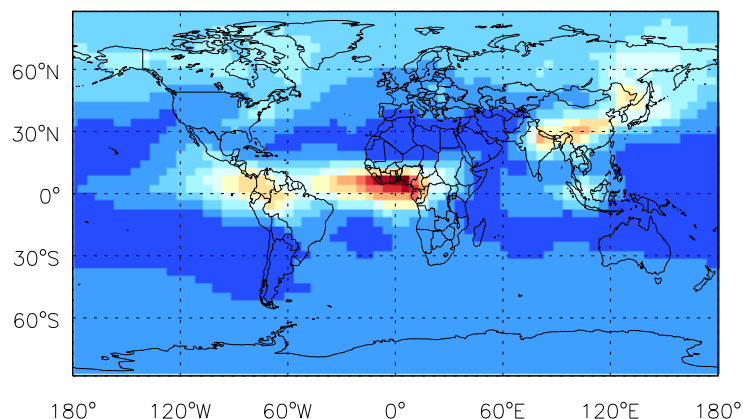
ctm.bpch.v9-02j

Tracer Map @ Surface - CO



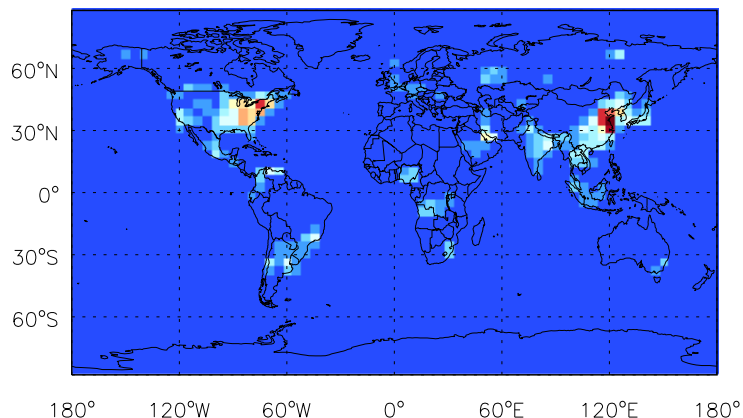
58.3719 356.5340 654.6960 952.8581 ppbv

Tracer Map @ 500 hPa - CO



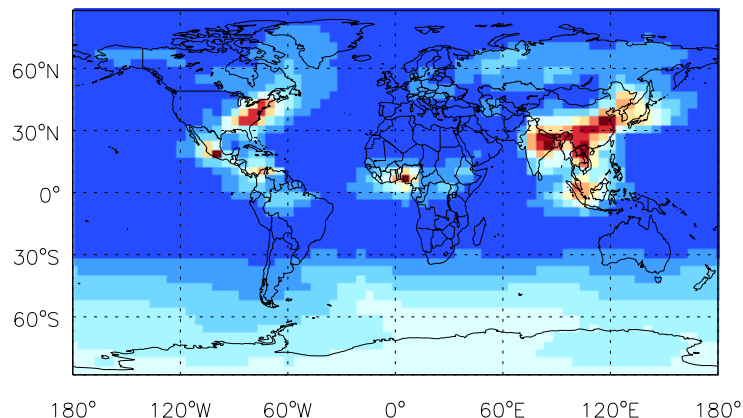
58.0443 89.6014 121.1585 152.7156 ppbv

Tracer Map @ Surface - ALK4



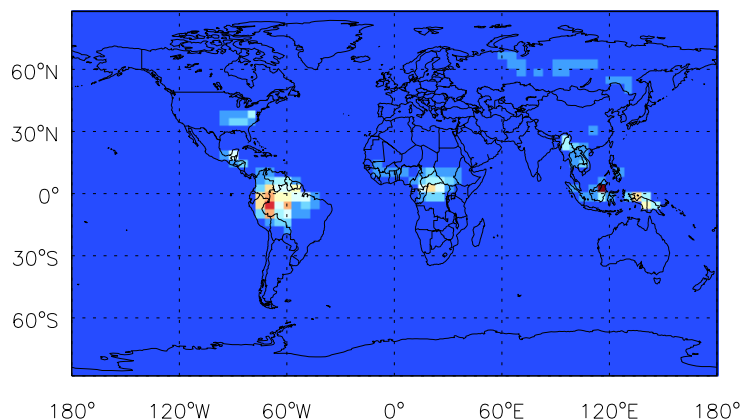
0.0010 5.3345 10.6681 16.0016 ppbC

Tracer Map @ 500 hPa - ALK4



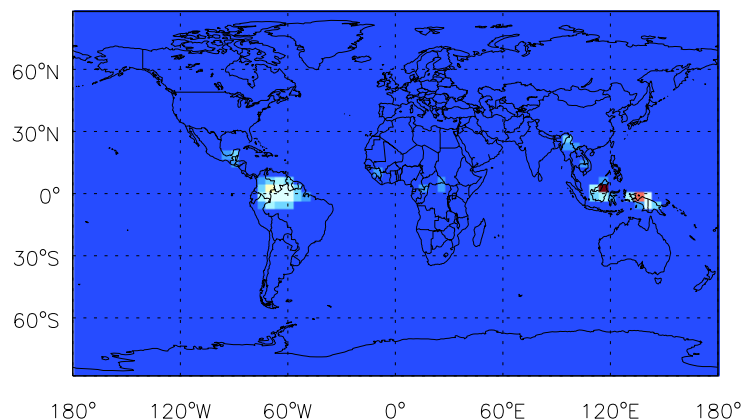
0.0015 0.1829 0.3644 0.5458 ppbC

Tracer Map @ Surface - ISOP



0.0000 21.2771 42.5542 63.8313 ppbC

Tracer Map @ 500 hPa - ISOP

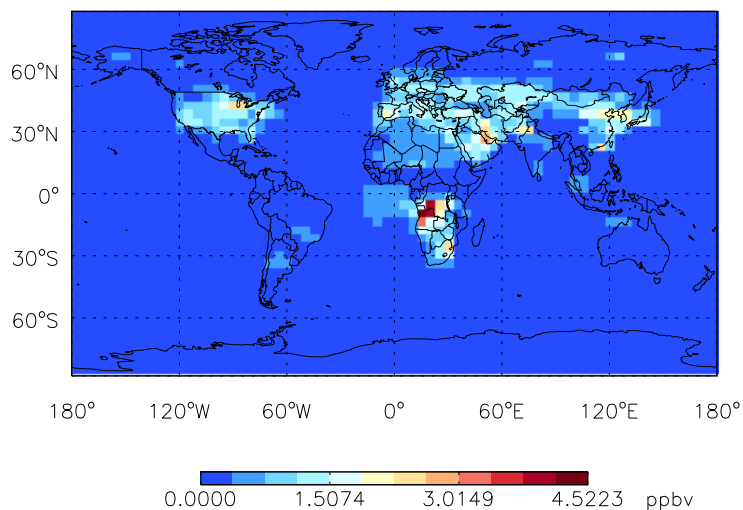


0.0000 0.6337 1.2674 1.9010 ppbC

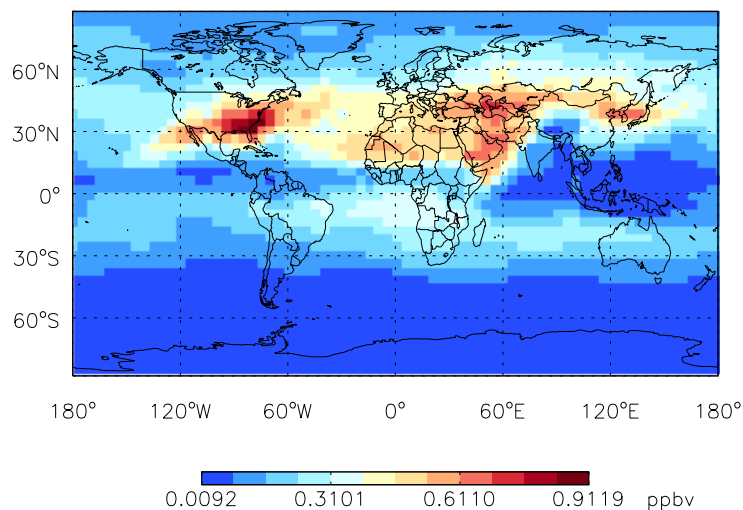
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

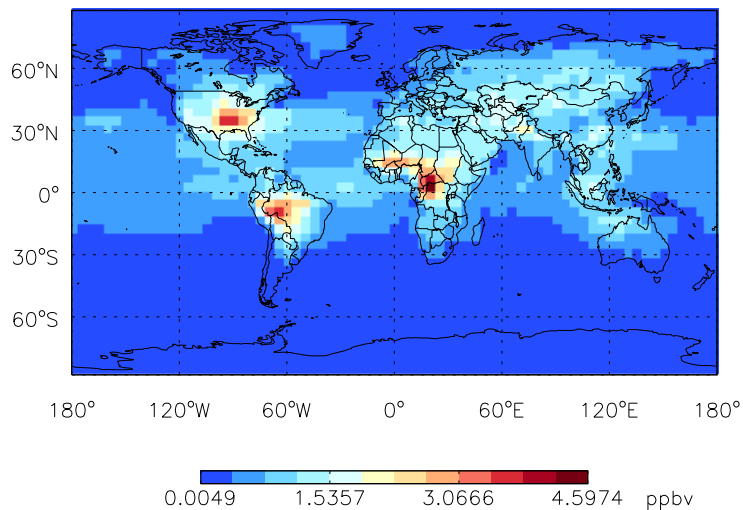
Tracer Map @ Surface – HN03



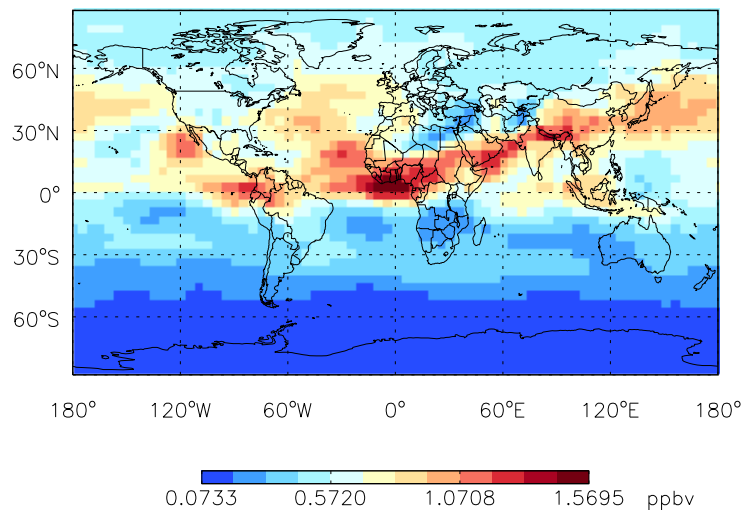
Tracer Map @ 500 hPa – HN03



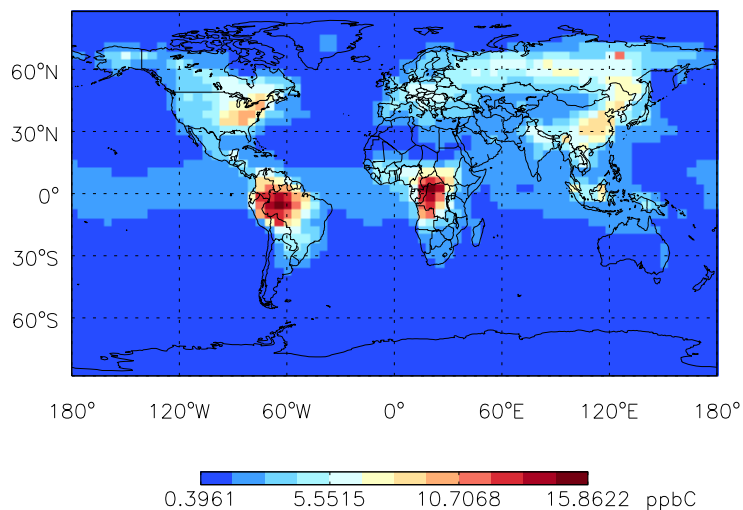
Tracer Map @ Surface – H2O2



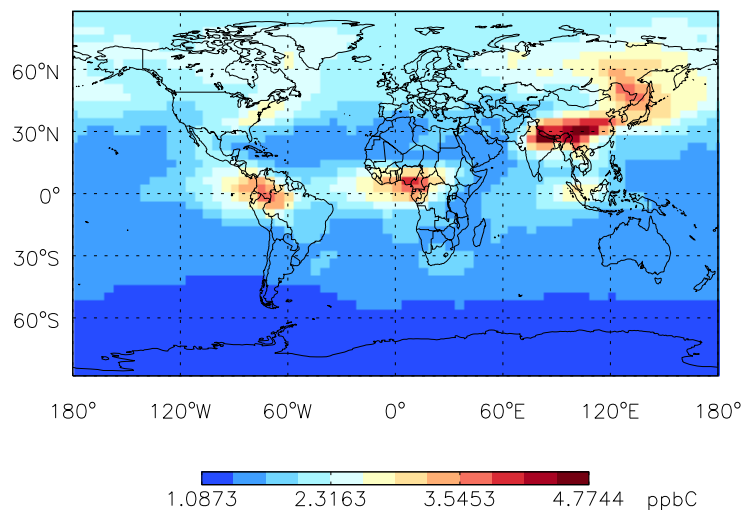
Tracer Map @ 500 hPa – H2O2



Tracer Map @ Surface – ACET



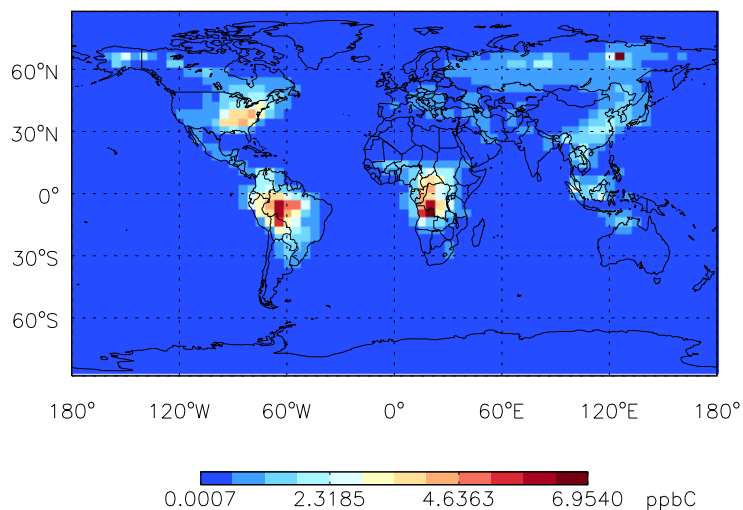
Tracer Map @ 500 hPa – ACET



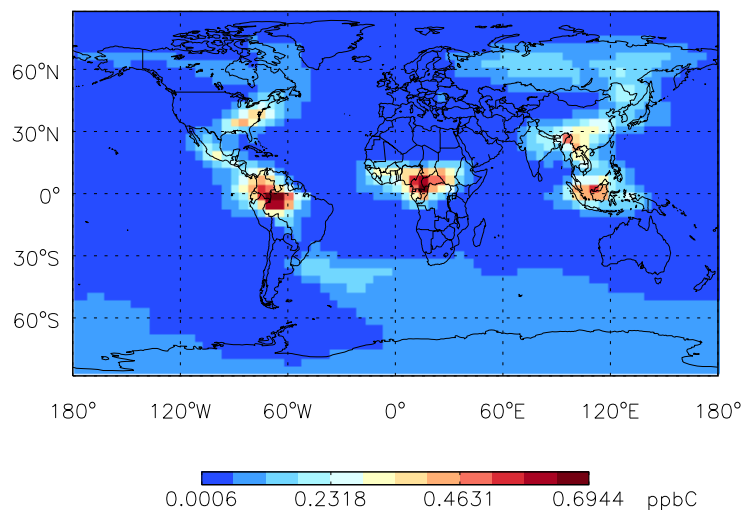
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

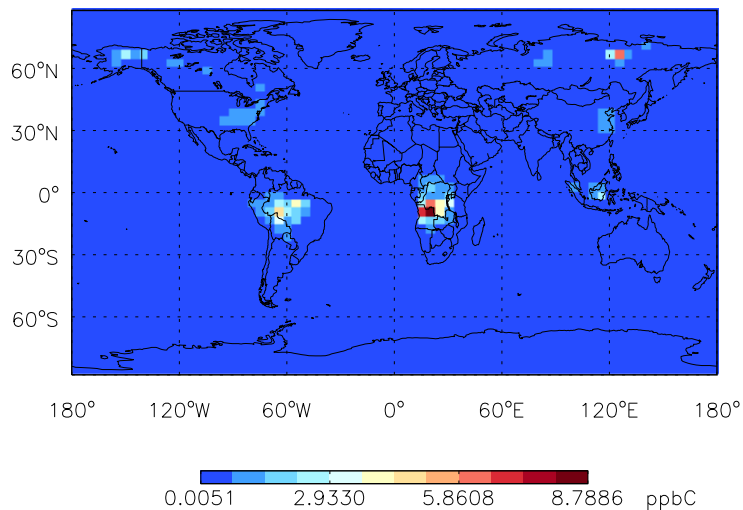
Tracer Map @ Surface – MEK



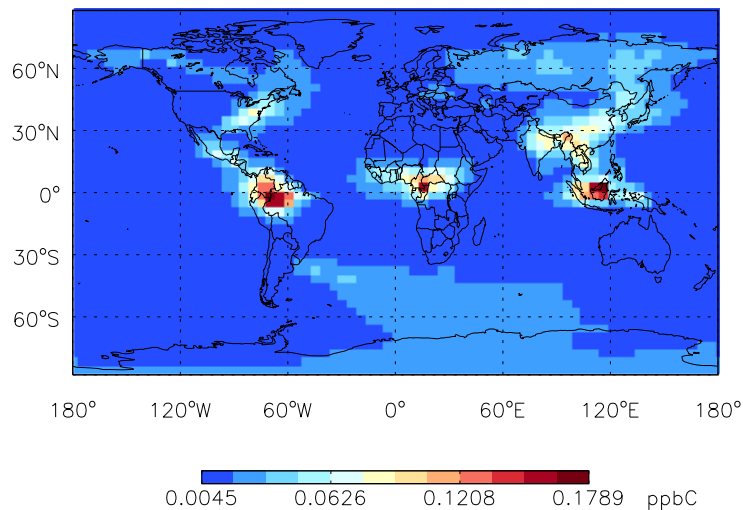
Tracer Map @ 500 hPa – MEK



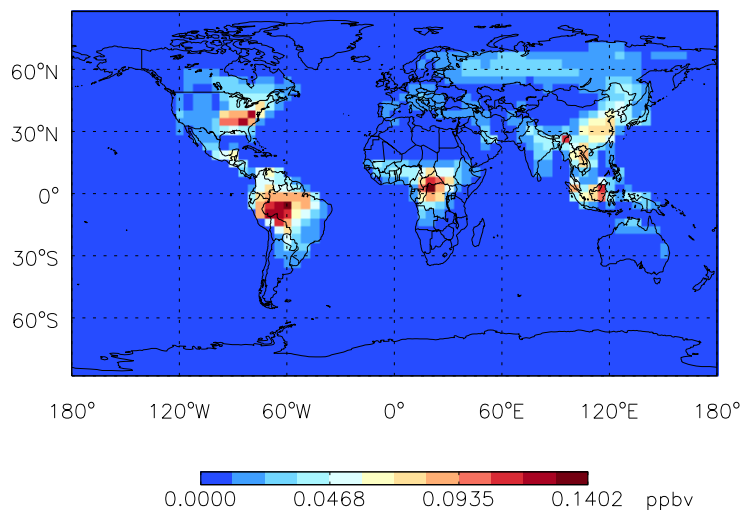
Tracer Map @ Surface – ALD2



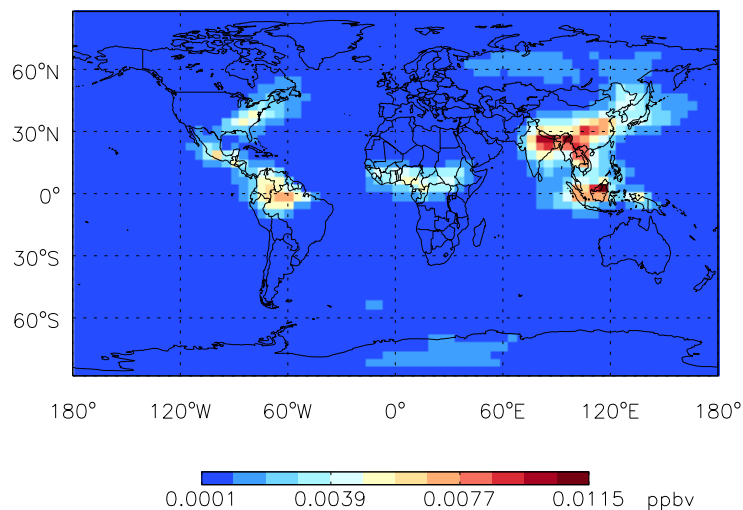
Tracer Map @ 500 hPa – ALD2



Tracer Map @ Surface – RCHO



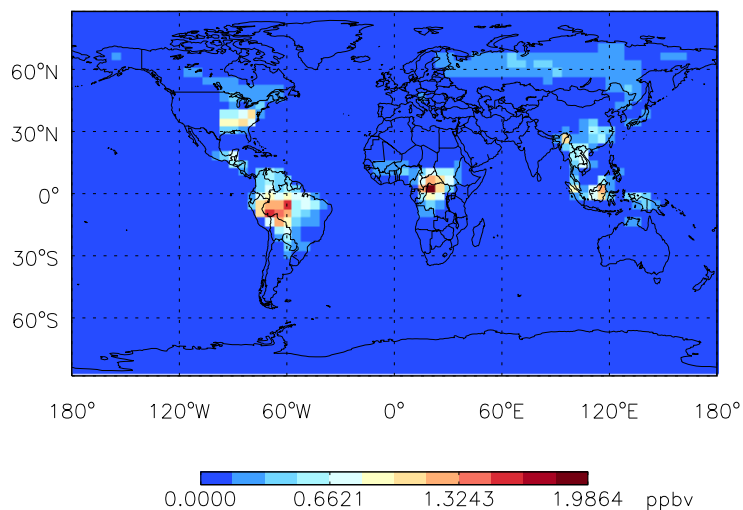
Tracer Map @ 500 hPa – RCHO



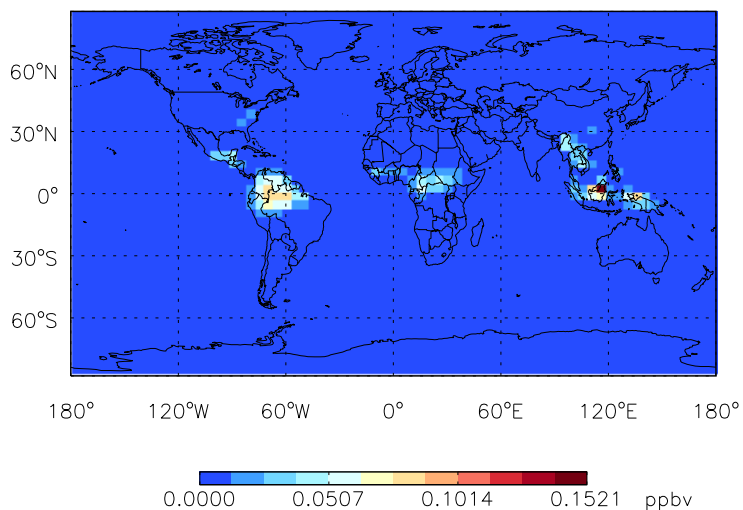
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

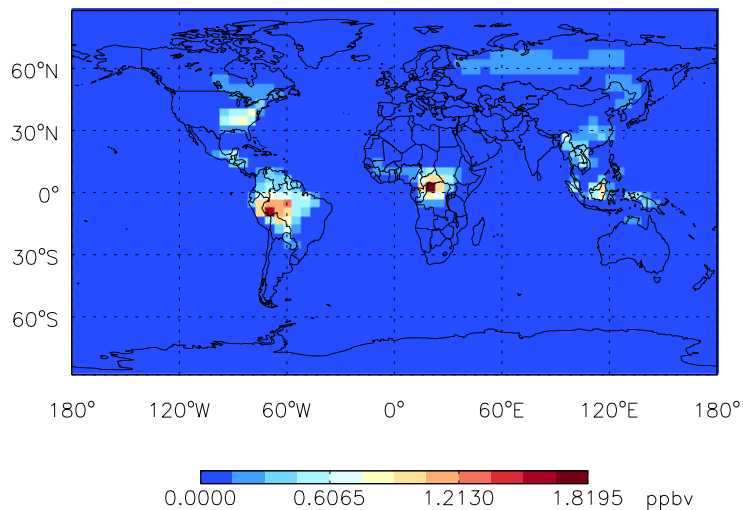
Tracer Map @ Surface – MVK



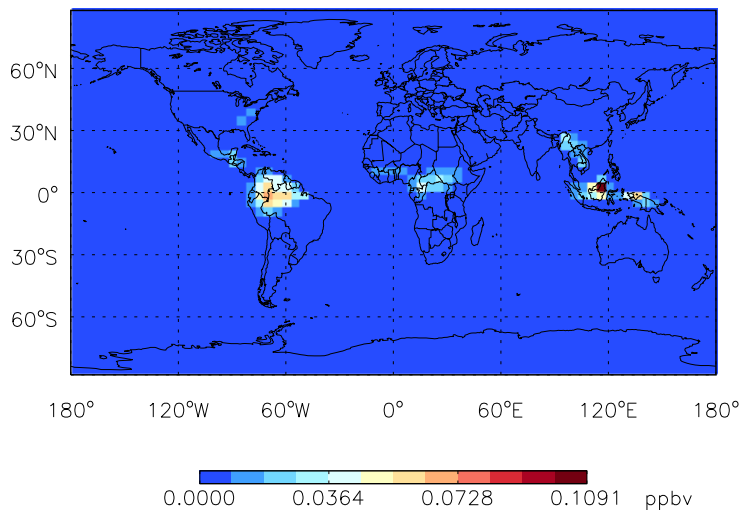
Tracer Map @ 500 hPa – MVK



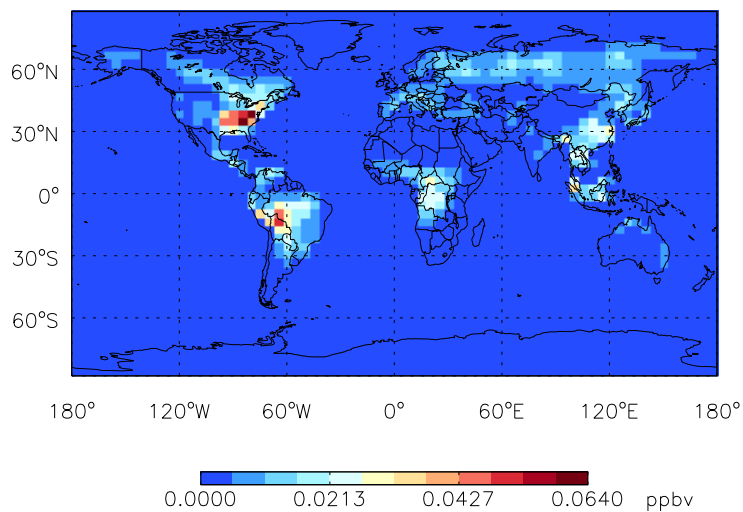
Tracer Map @ Surface – MACR



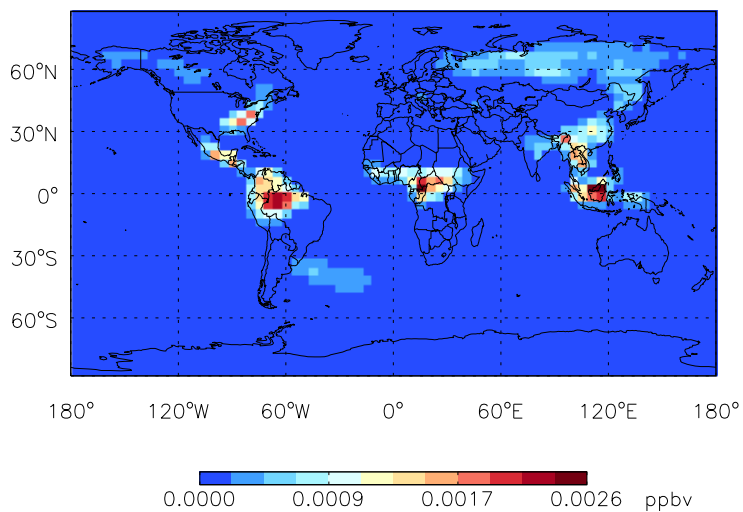
Tracer Map @ 500 hPa – MACR



Tracer Map @ Surface – PMN



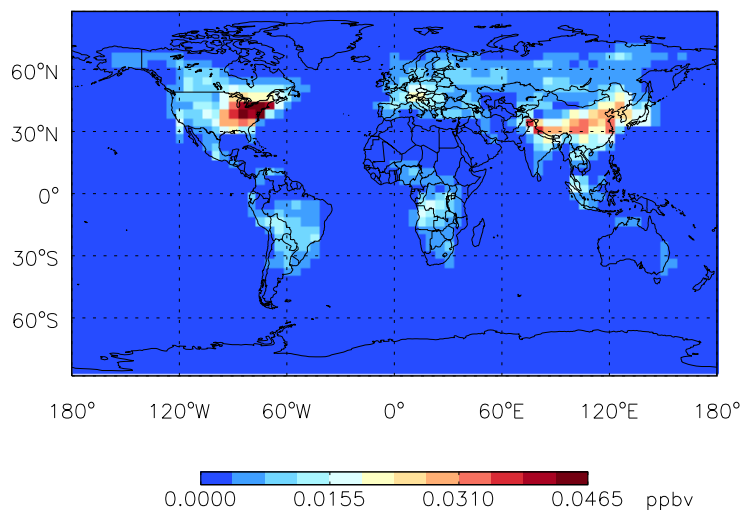
Tracer Map @ 500 hPa – PMN



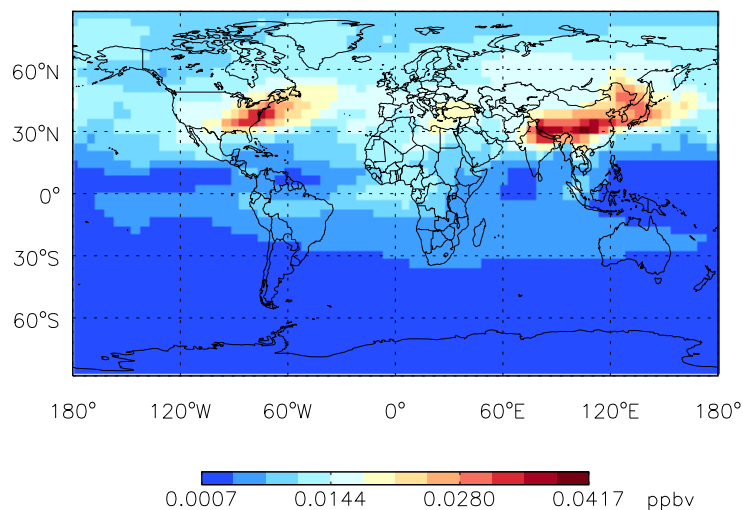
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

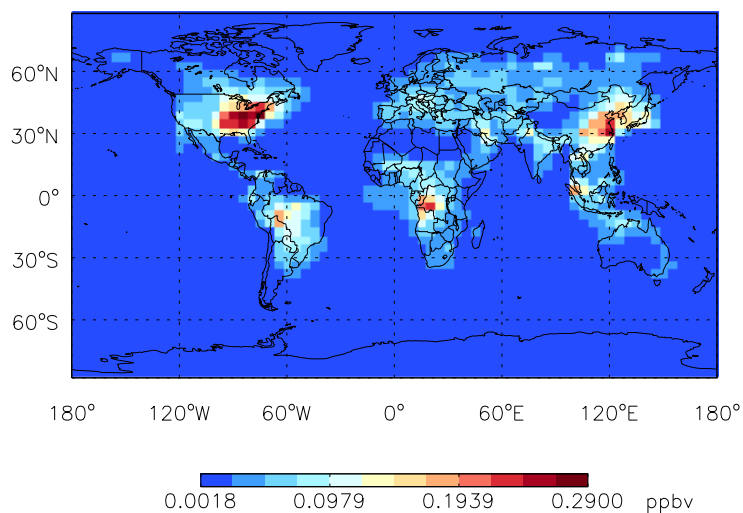
Tracer Map @ Surface – PPN



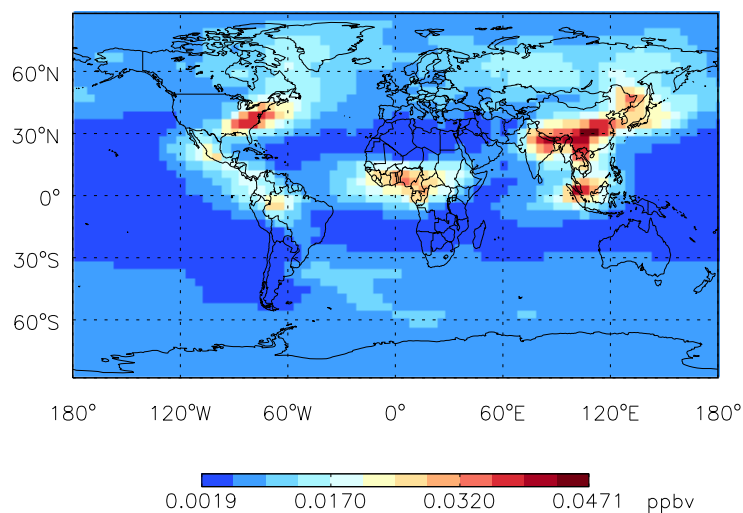
Tracer Map @ 500 hPa – PPN



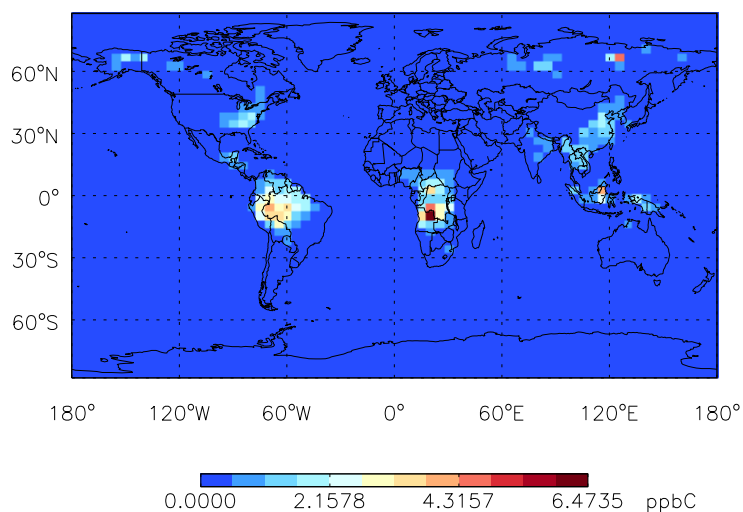
Tracer Map @ Surface – R4N2



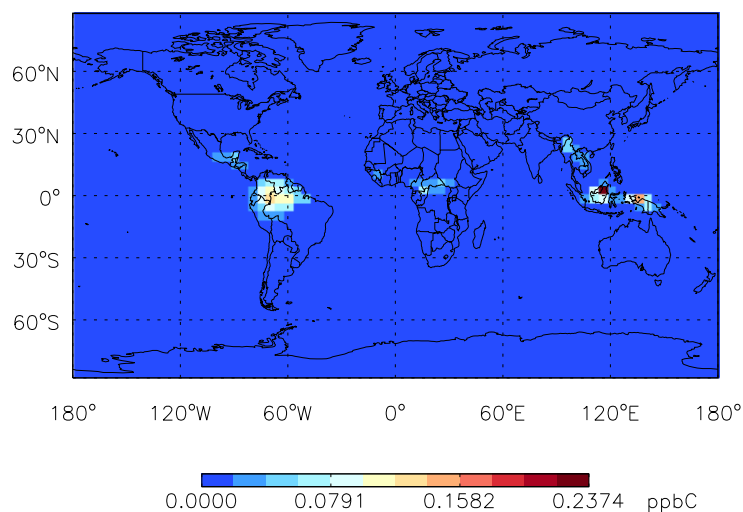
Tracer Map @ 500 hPa – R4N2



Tracer Map @ Surface – PRPE



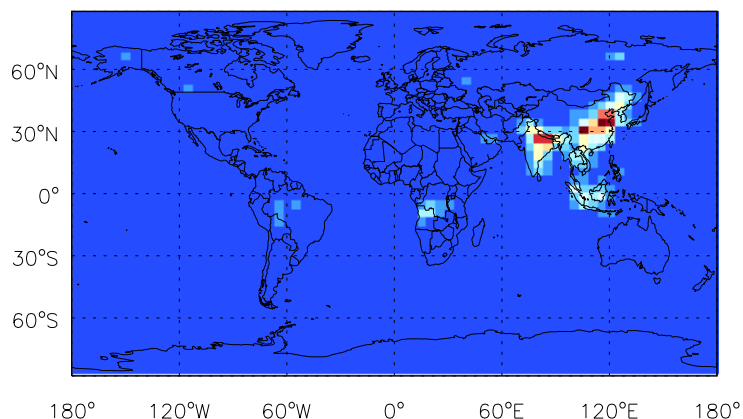
Tracer Map @ 500 hPa – PRPE



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

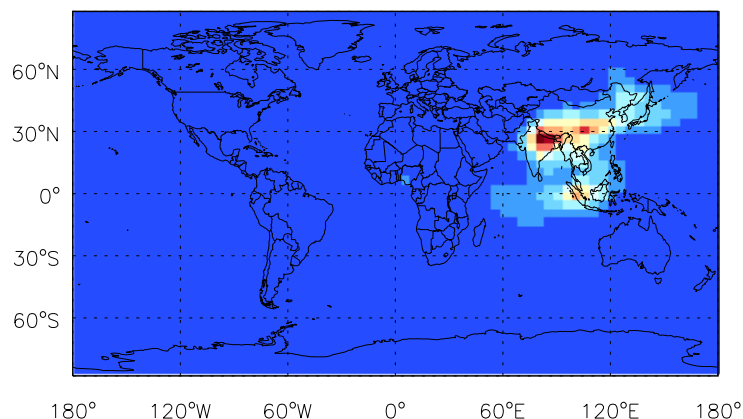
ctm.bpch.v9-02j

Tracer Map @ Surface – C3H8



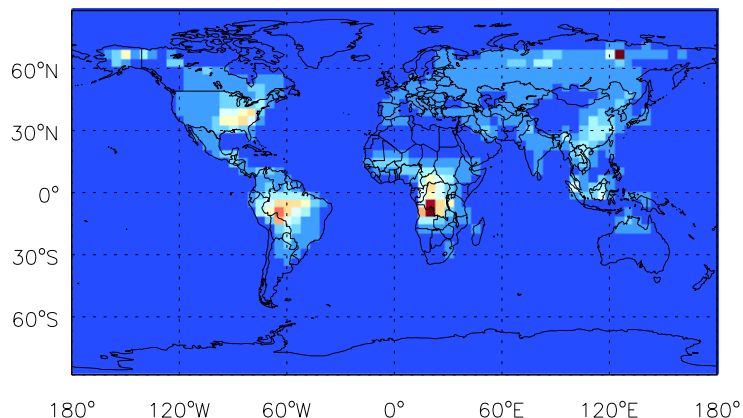
0.0078 5.2168 10.4258 15.6348 ppbC

Tracer Map @ 500 hPa – C3H8



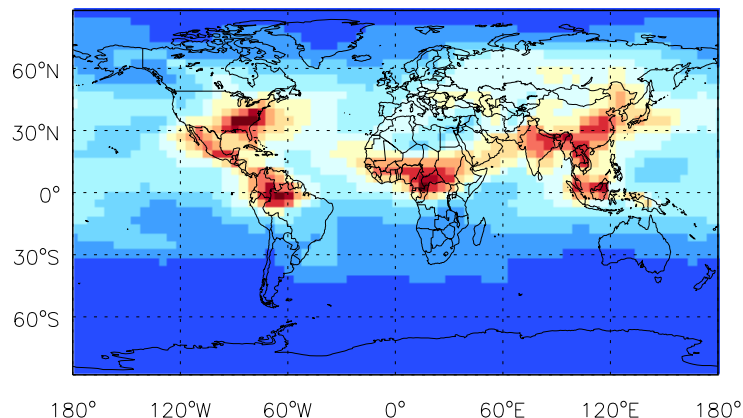
0.0141 0.7739 1.5338 2.2937 ppbC

Tracer Map @ Surface – CH2O



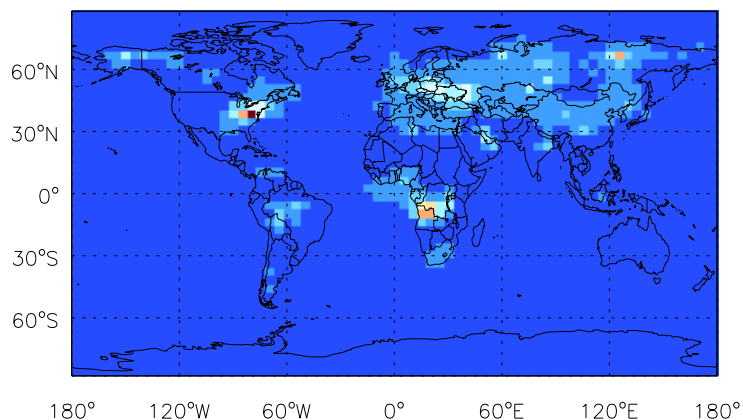
0.0144 3.6489 7.2833 10.9178 ppbv

Tracer Map @ 500 hPa – CH2O



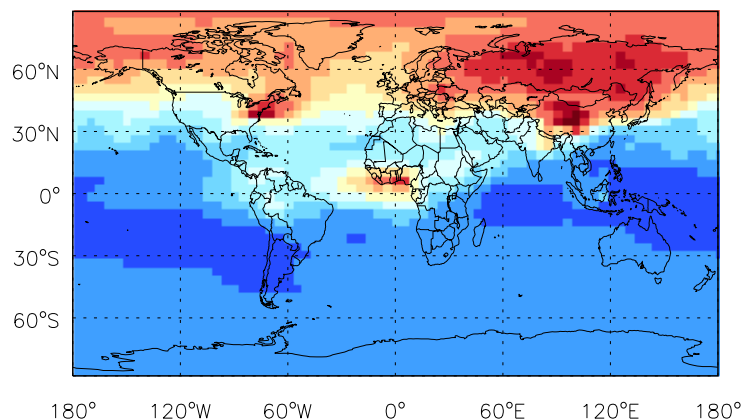
0.0507 0.1927 0.3347 0.4767 ppbv

Tracer Map @ Surface – C2H6



0.3563 6.1079 11.8596 17.6112 ppbC

Tracer Map @ 500 hPa – C2H6

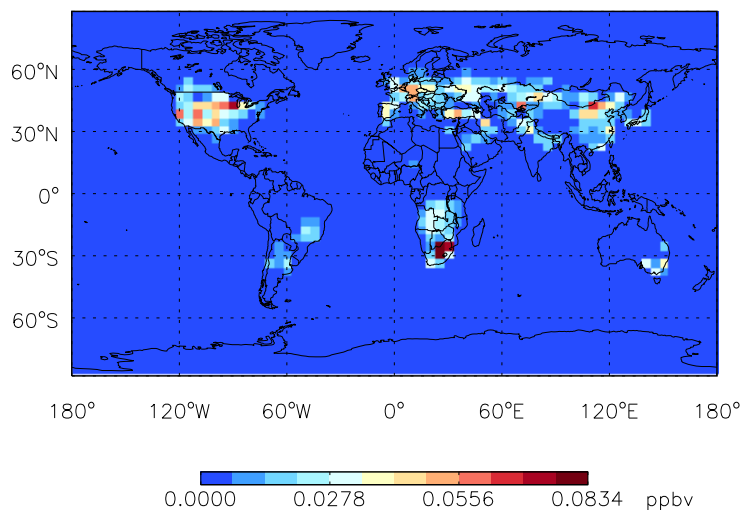


0.3858 0.8249 1.2641 1.7033 ppbC

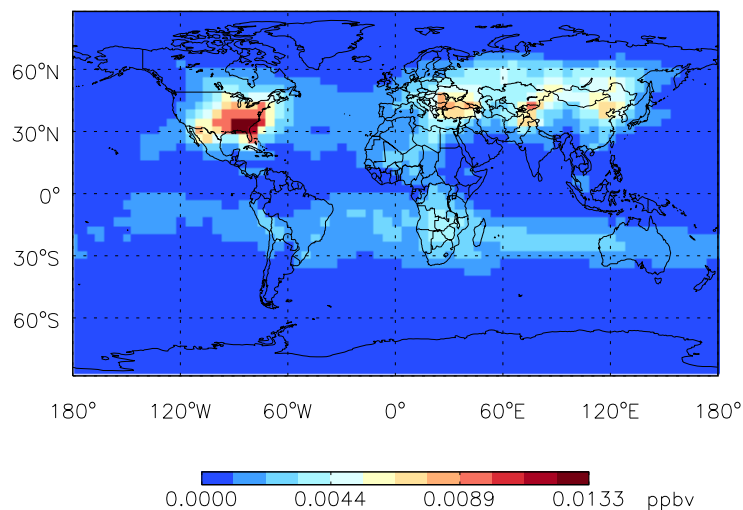
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

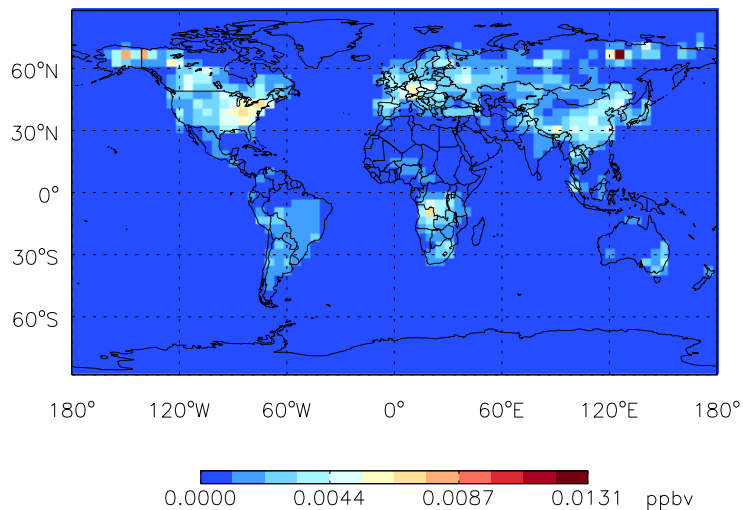
Tracer Map @ Surface – N2O5



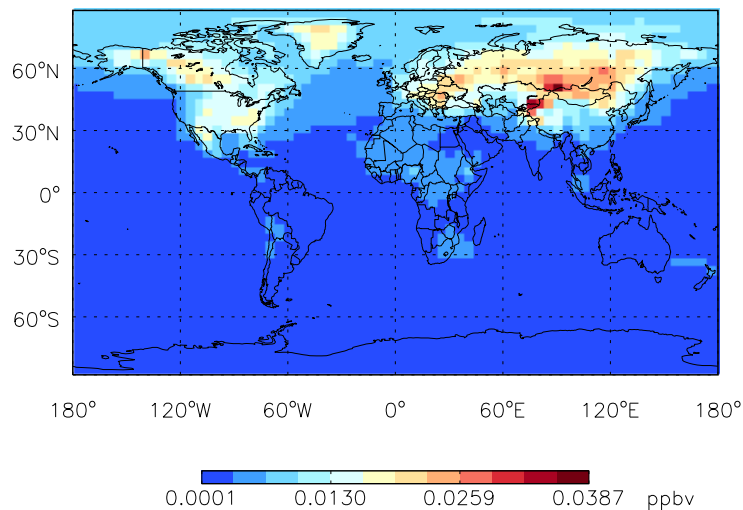
Tracer Map @ 500 hPa – N2O5



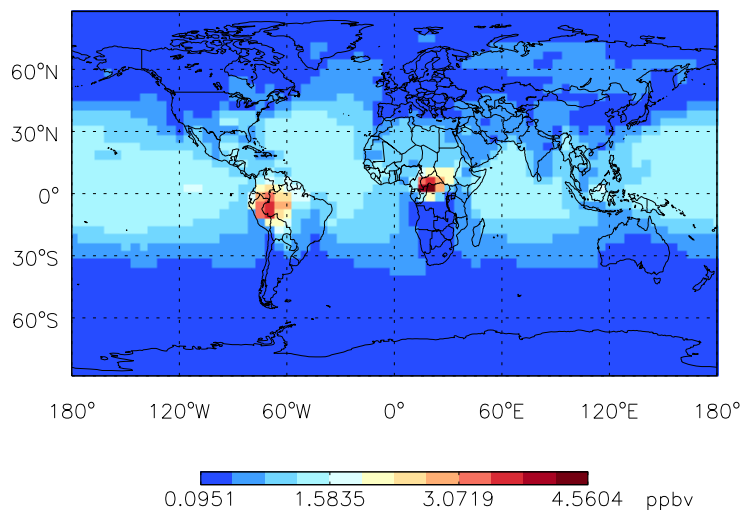
Tracer Map @ Surface – HN04



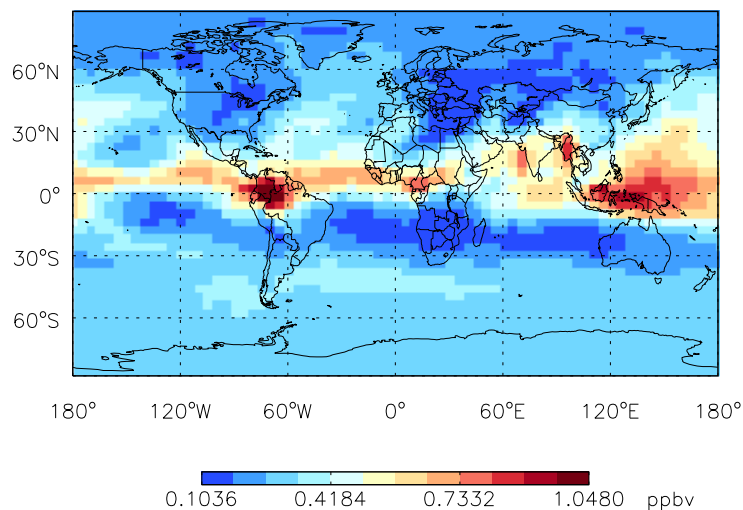
Tracer Map @ 500 hPa – HN04



Tracer Map @ Surface – MP



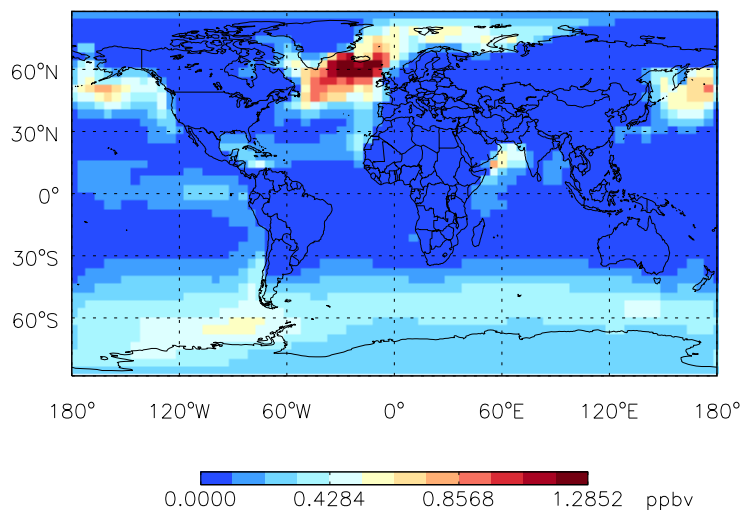
Tracer Map @ 500 hPa – MP



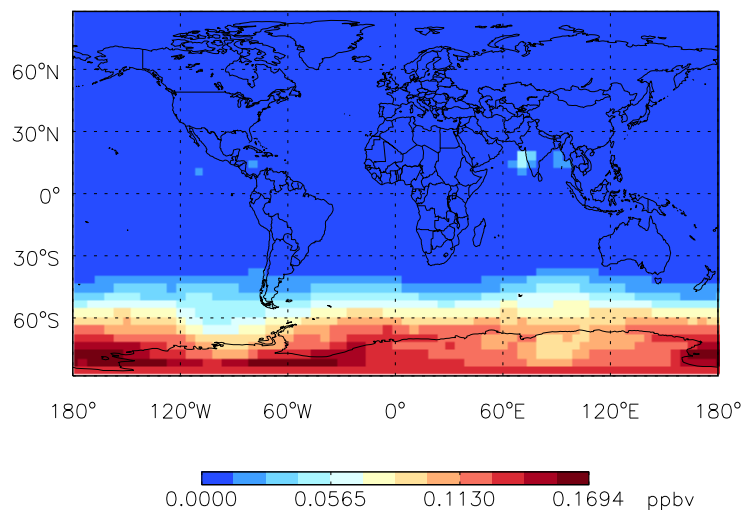
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

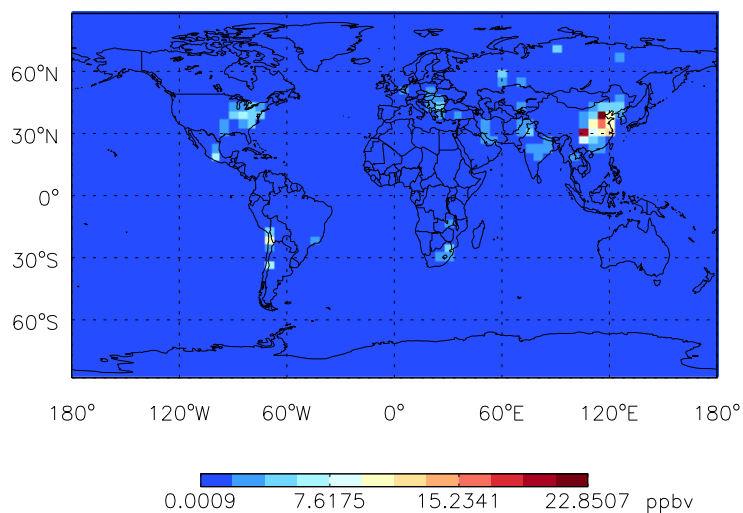
Tracer Map @ Surface – DMS



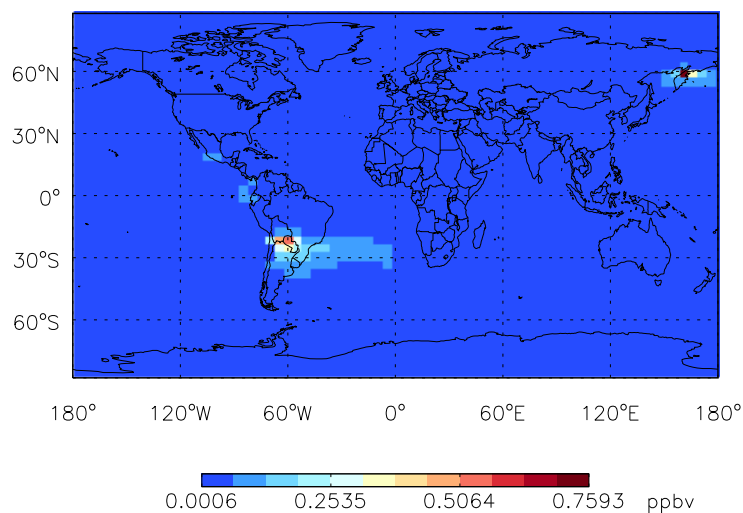
Tracer Map @ 500 hPa – DMS



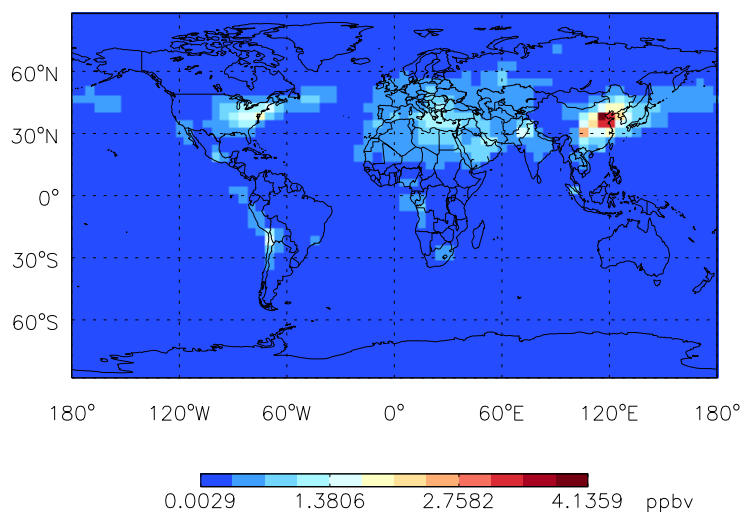
Tracer Map @ Surface – SO2



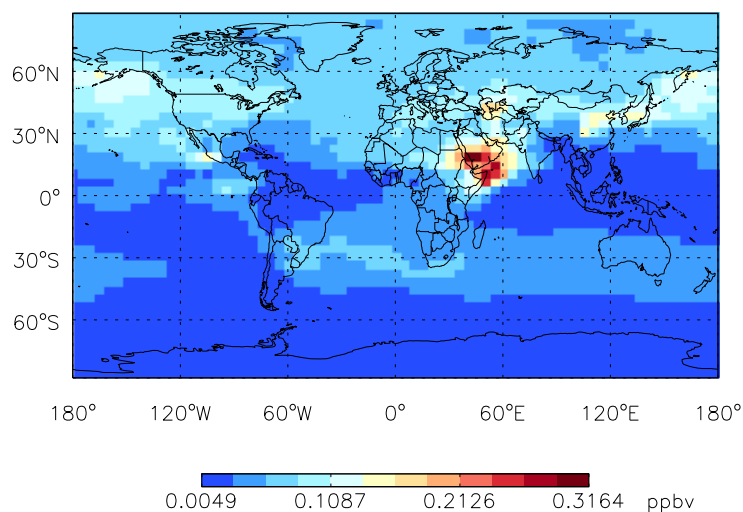
Tracer Map @ 500 hPa – SO2



Tracer Map @ Surface – SO4



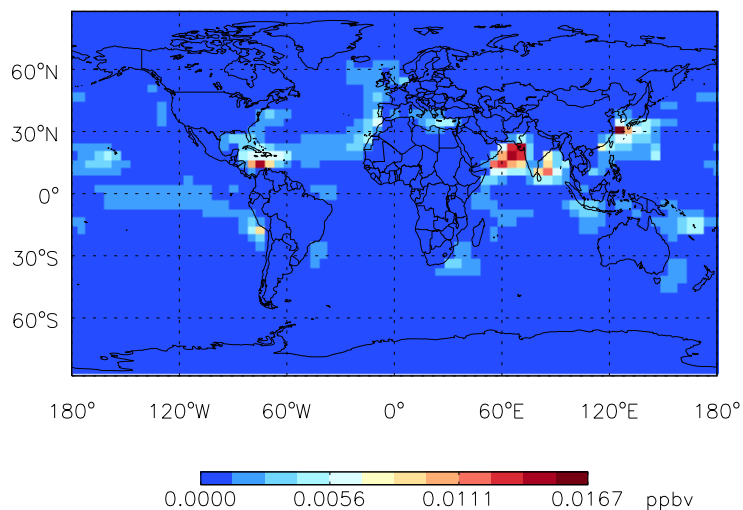
Tracer Map @ 500 hPa – SO4



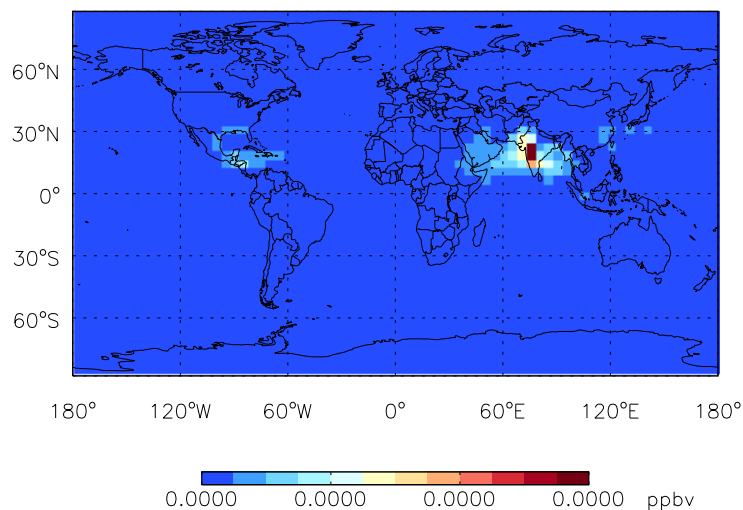
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

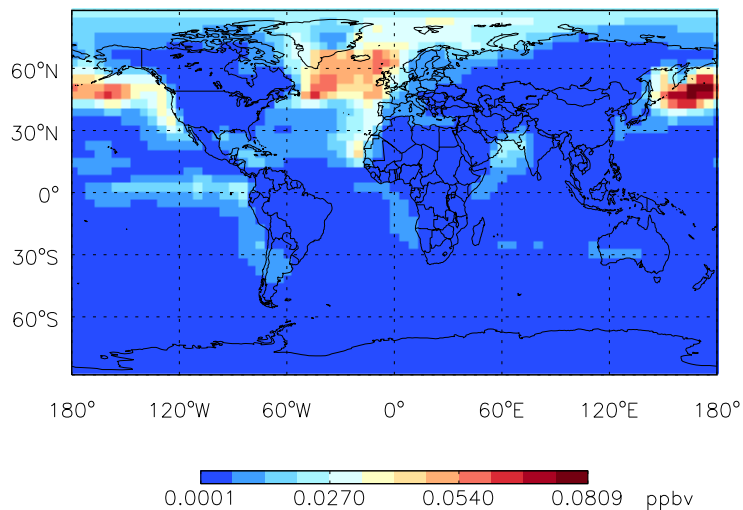
Tracer Map @ Surface – SO₄s



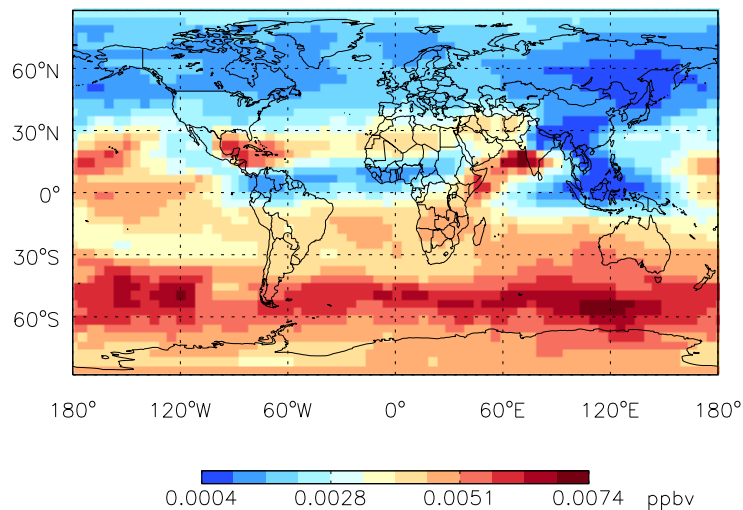
Tracer Map @ 500 hPa – SO₄s



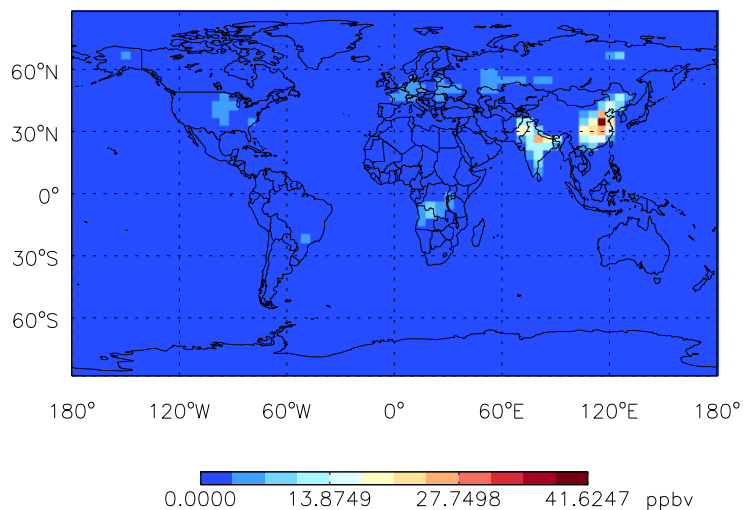
Tracer Map @ Surface – MSA



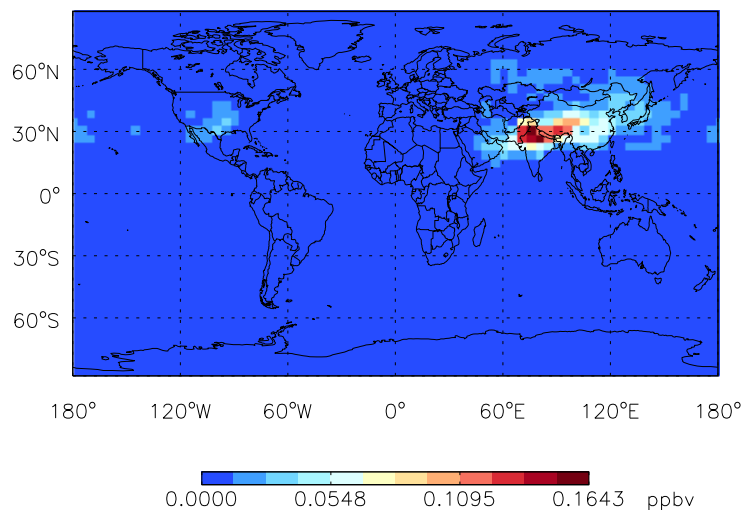
Tracer Map @ 500 hPa – MSA



Tracer Map @ Surface – NH₃



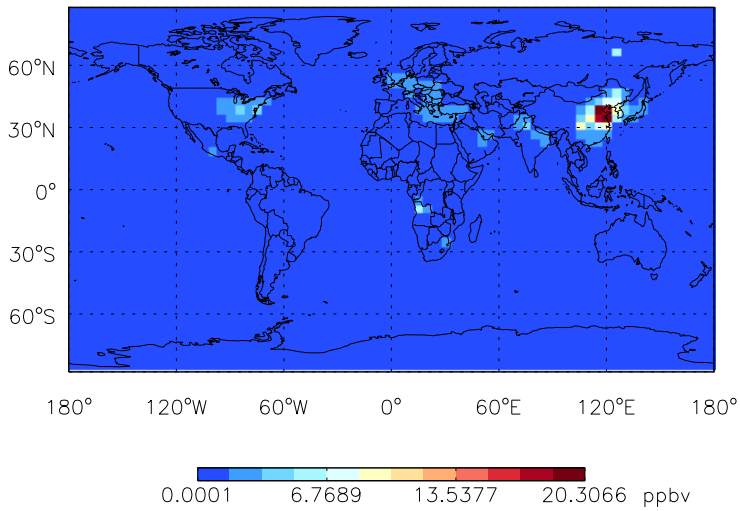
Tracer Map @ 500 hPa – NH₃



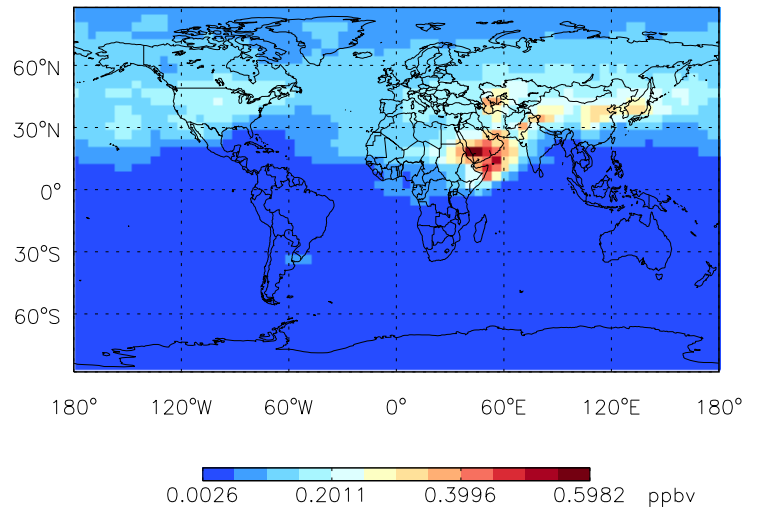
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

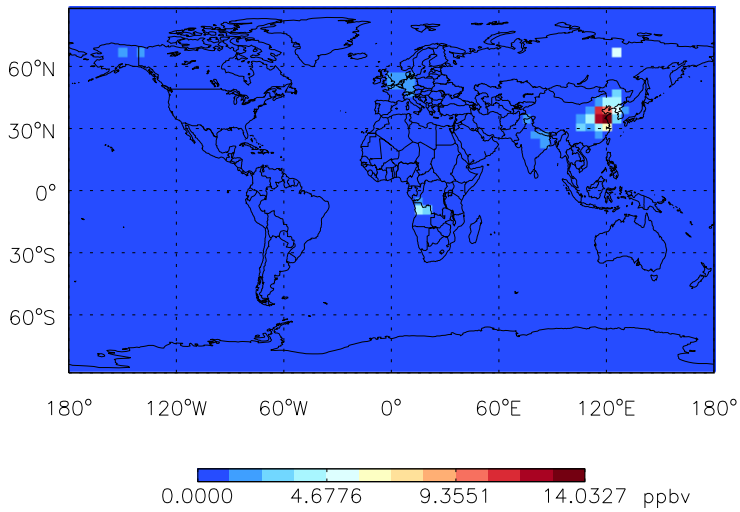
Tracer Map @ Surface – NH4



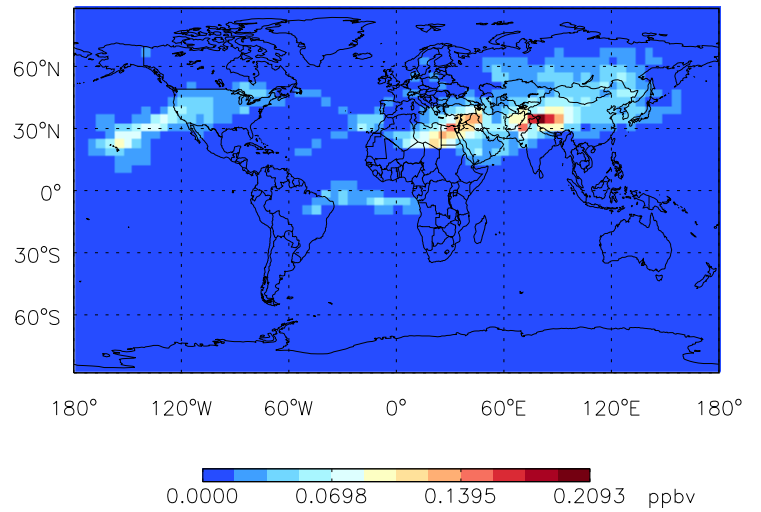
Tracer Map @ 500 hPa – NH4



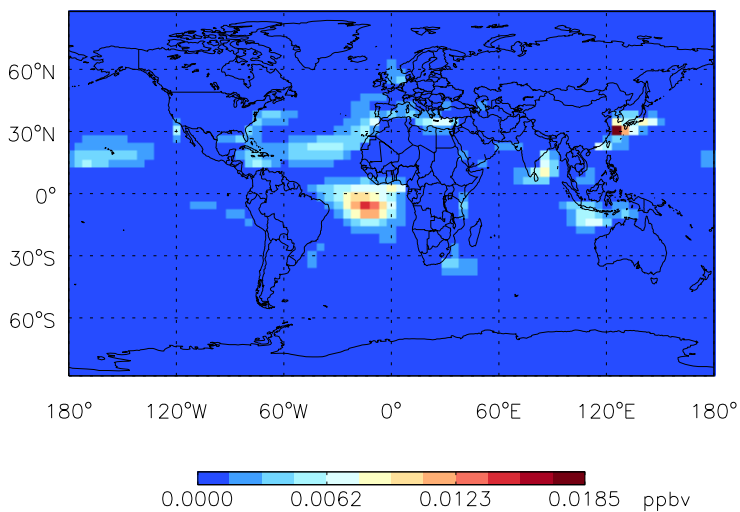
Tracer Map @ Surface – NIT



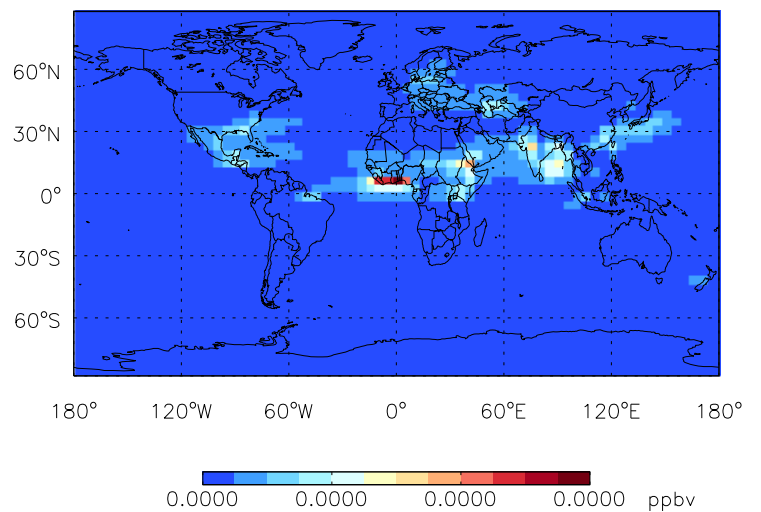
Tracer Map @ 500 hPa – NIT



Tracer Map @ Surface – NITs



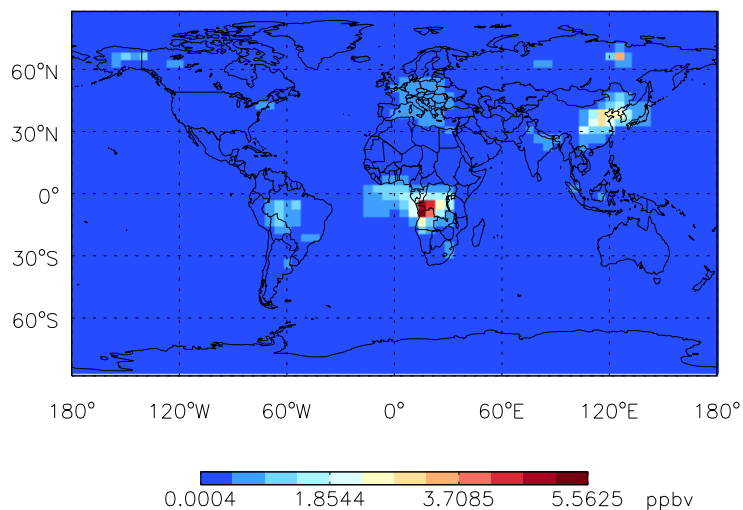
Tracer Map @ 500 hPa – NITs



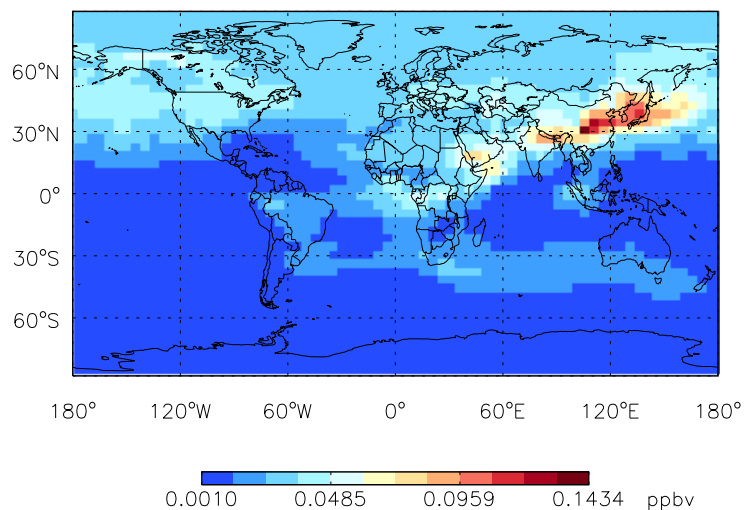
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

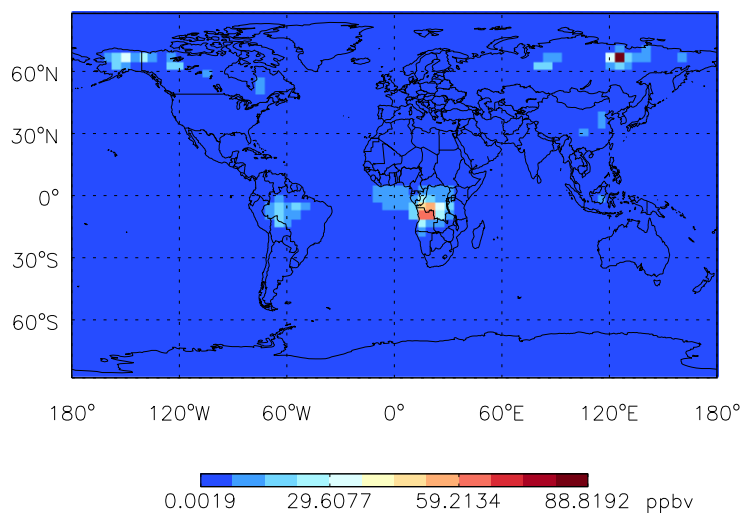
Tracer Map @ Surface – BCPI



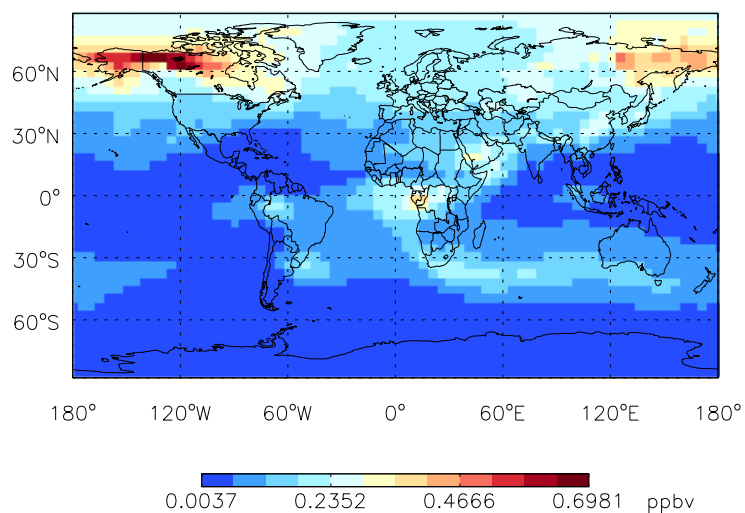
Tracer Map @ 500 hPa – BCPI



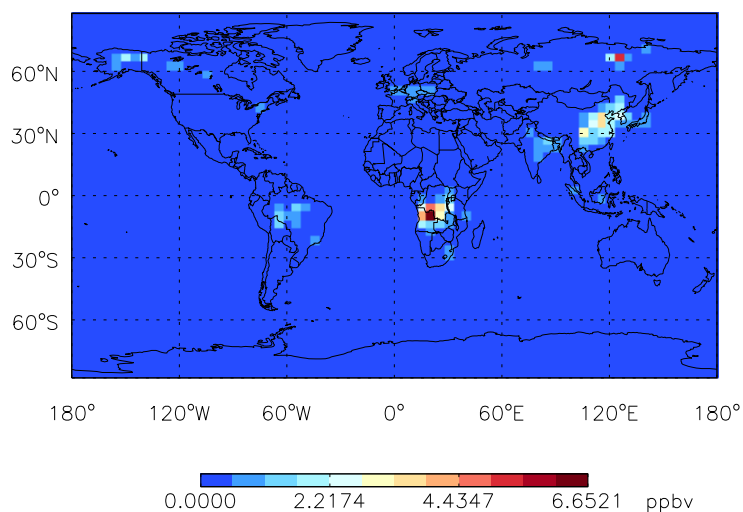
Tracer Map @ Surface – OCPI



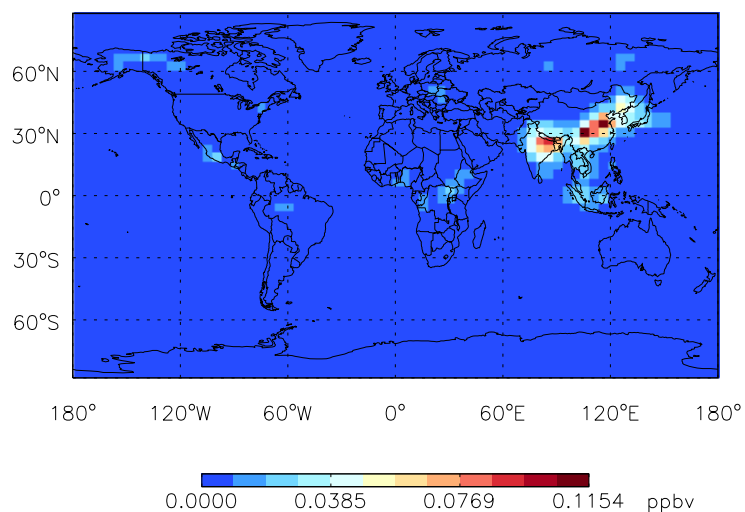
Tracer Map @ 500 hPa – OCPI



Tracer Map @ Surface – BCPO



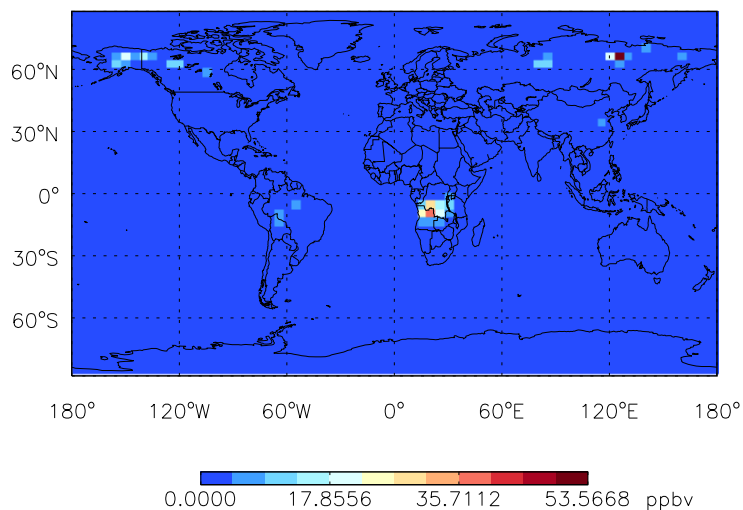
Tracer Map @ 500 hPa – BCPO



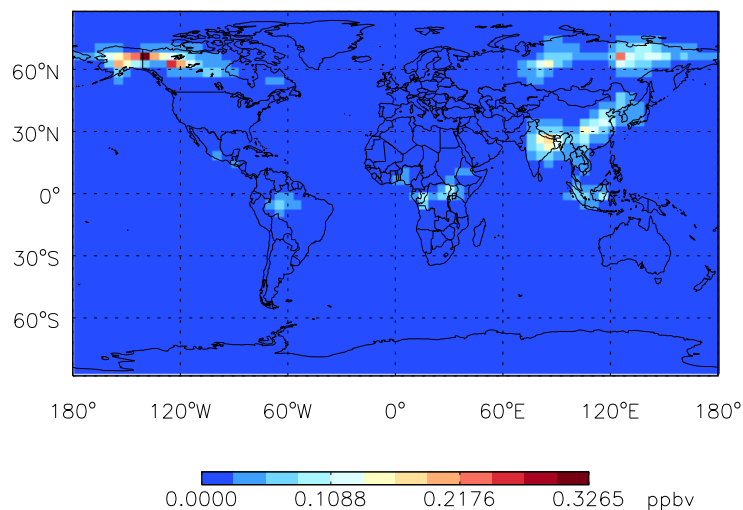
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

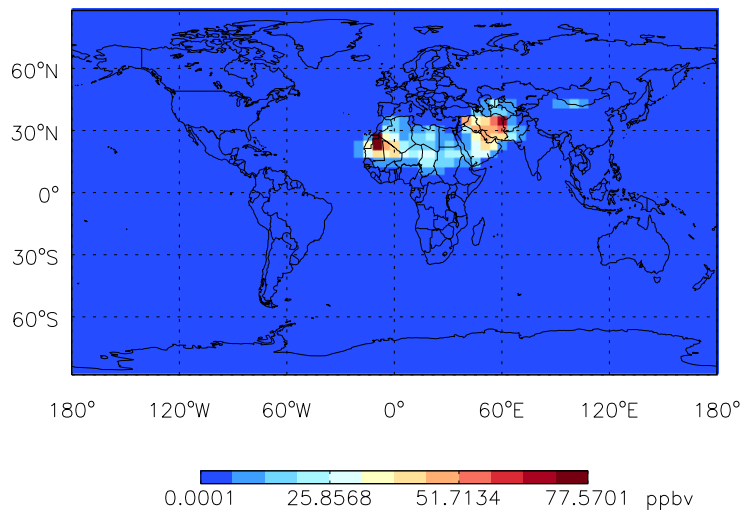
Tracer Map @ Surface – OCPO



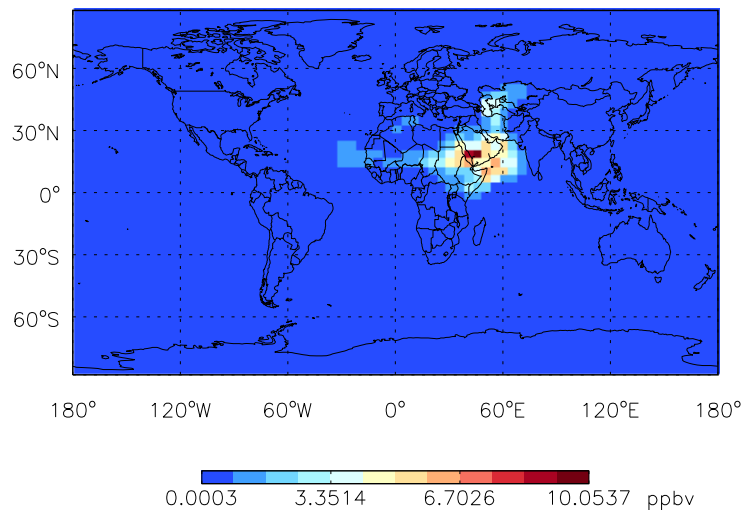
Tracer Map @ 500 hPa – OCPO



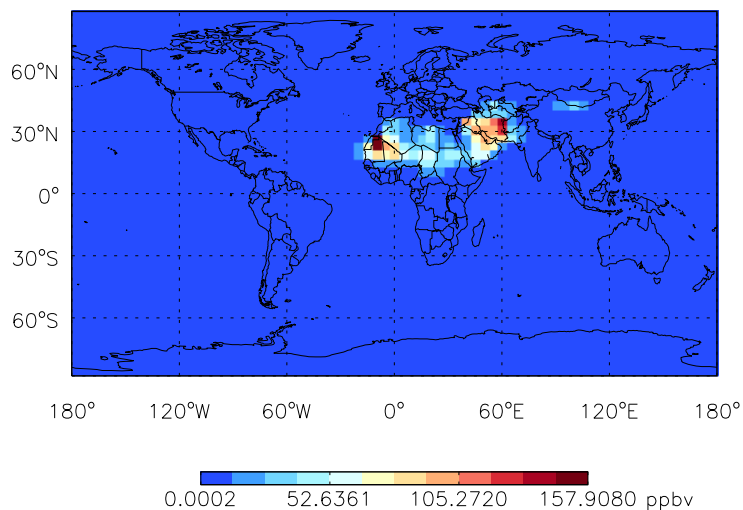
Tracer Map @ Surface – DST1



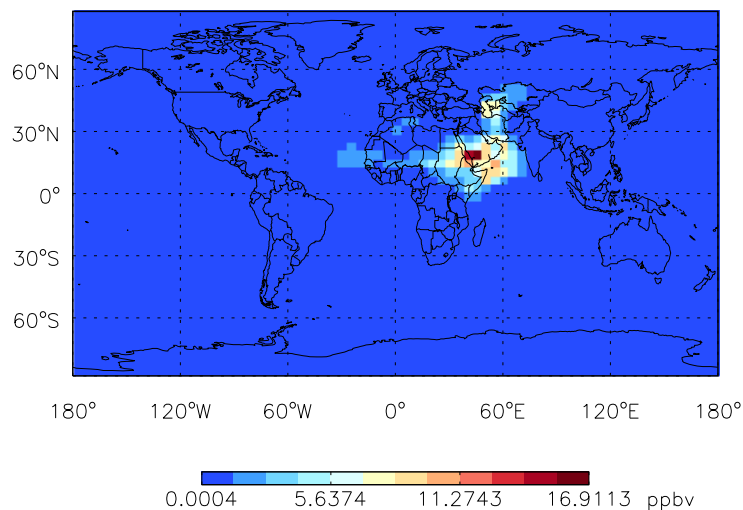
Tracer Map @ 500 hPa – DST1



Tracer Map @ Surface – DST2



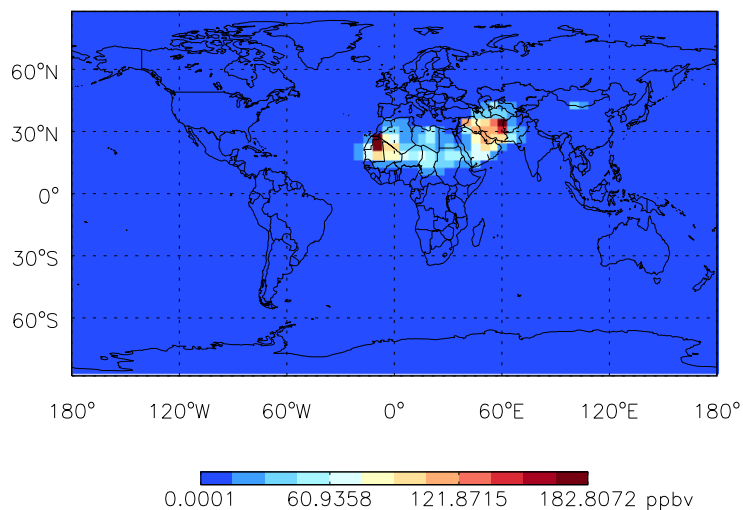
Tracer Map @ 500 hPa – DST2



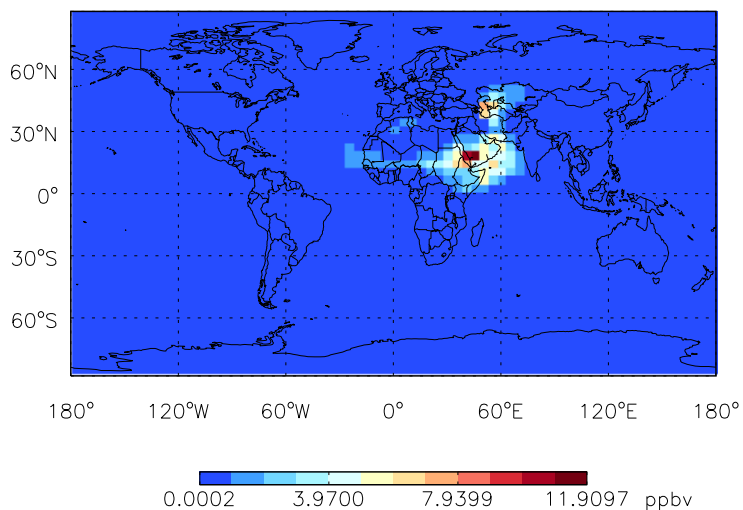
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

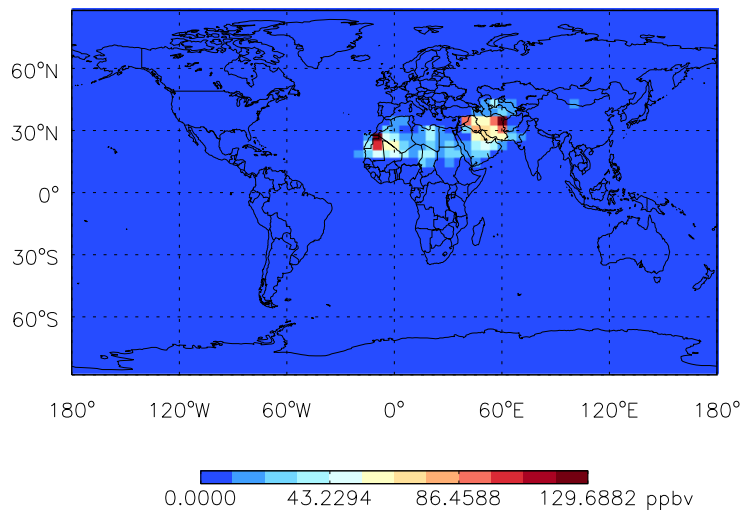
Tracer Map @ Surface – DST3



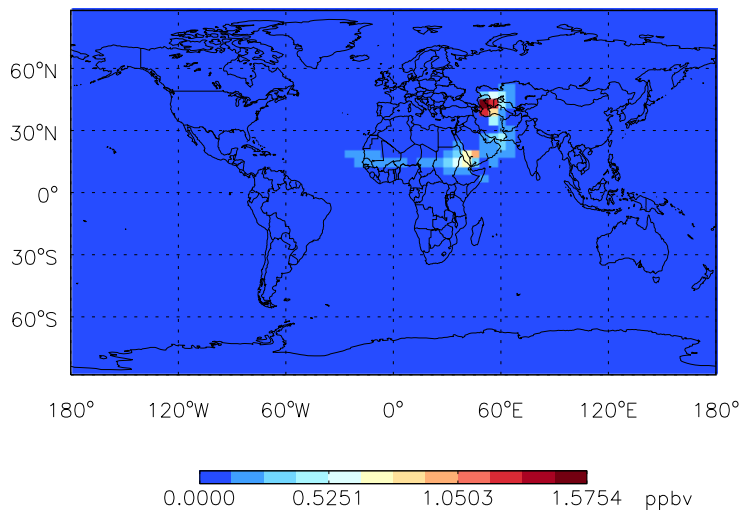
Tracer Map @ 500 hPa – DST3



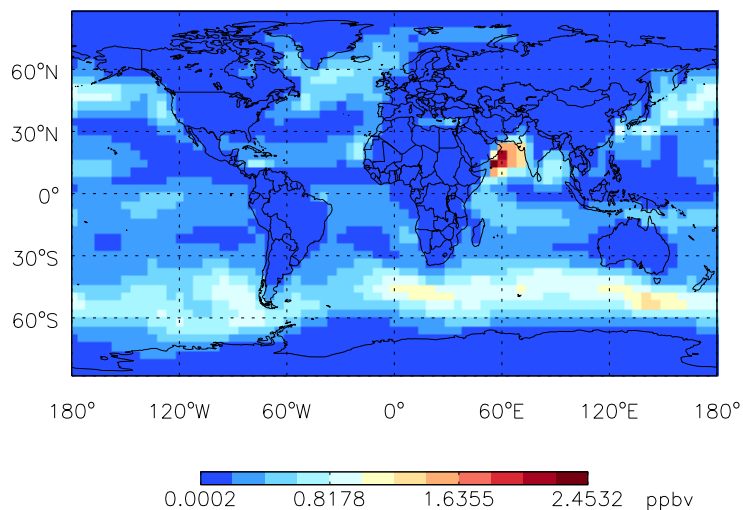
Tracer Map @ Surface – DST4



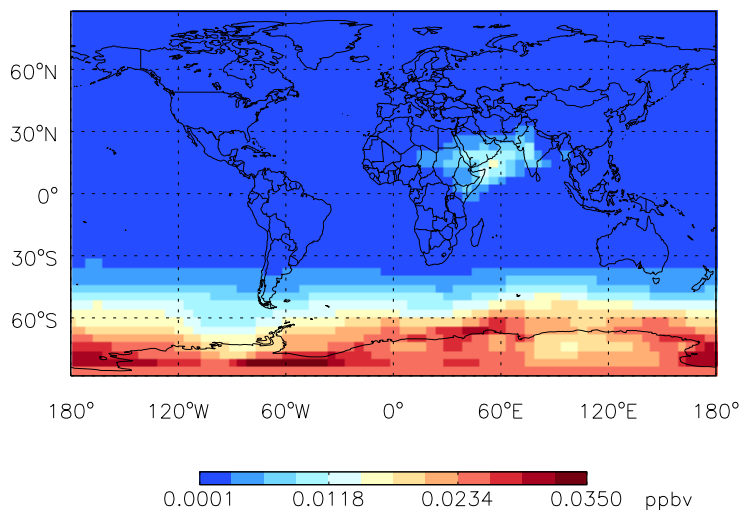
Tracer Map @ 500 hPa – DST4



Tracer Map @ Surface – SALA



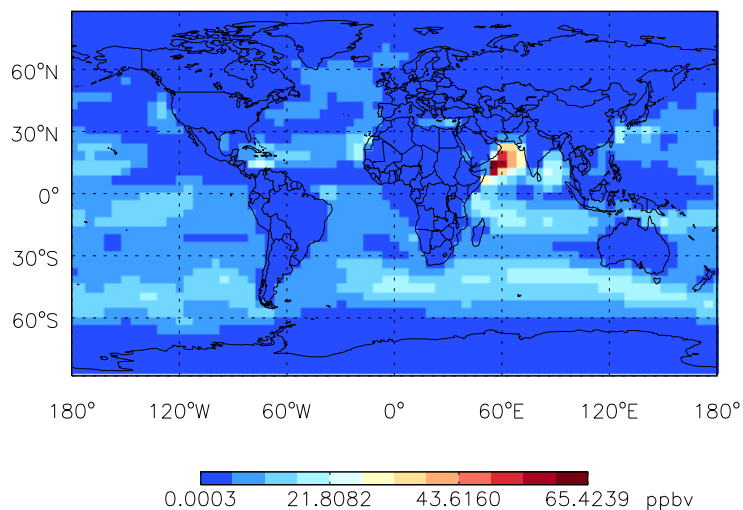
Tracer Map @ 500 hPa – SALA



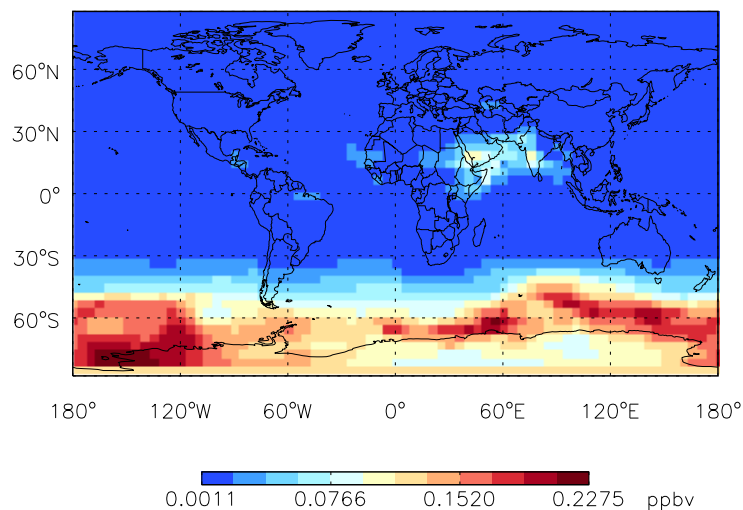
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

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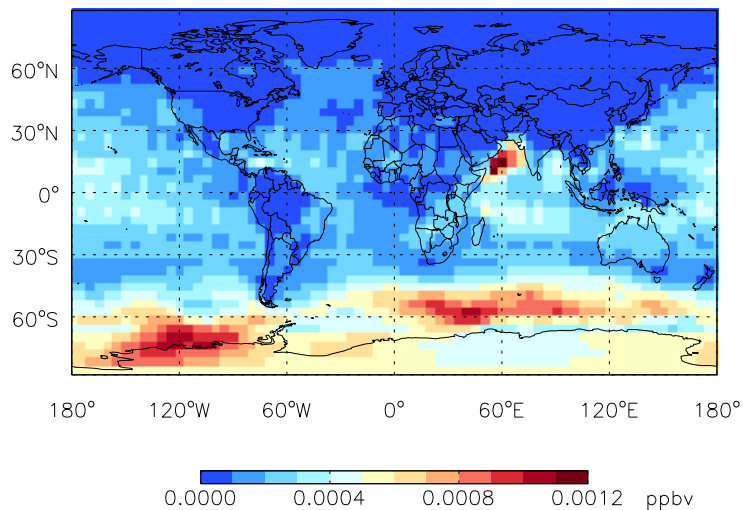
Tracer Map @ Surface – SALC



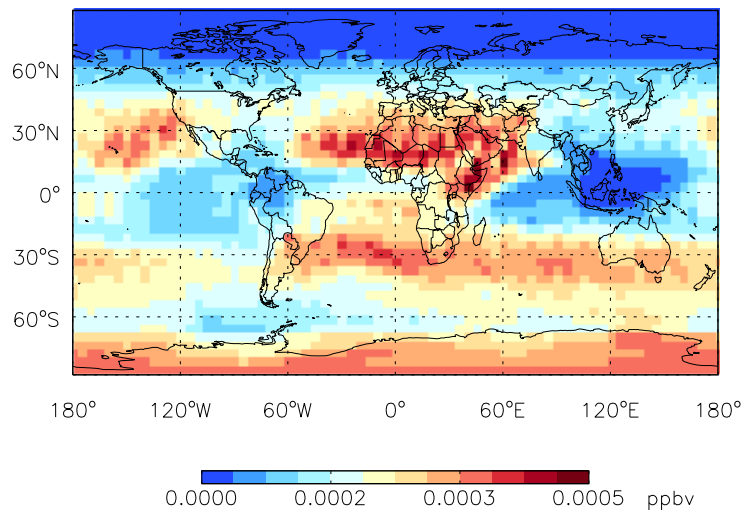
Tracer Map @ 500 hPa – SALC



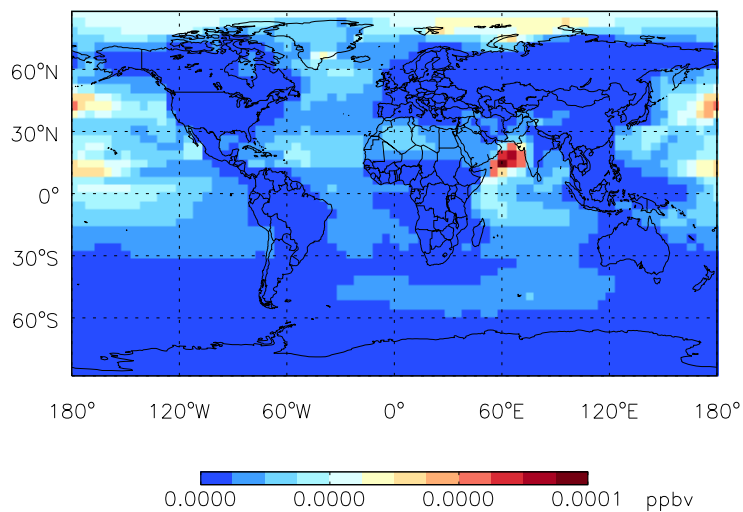
Tracer Map @ Surface – Br2



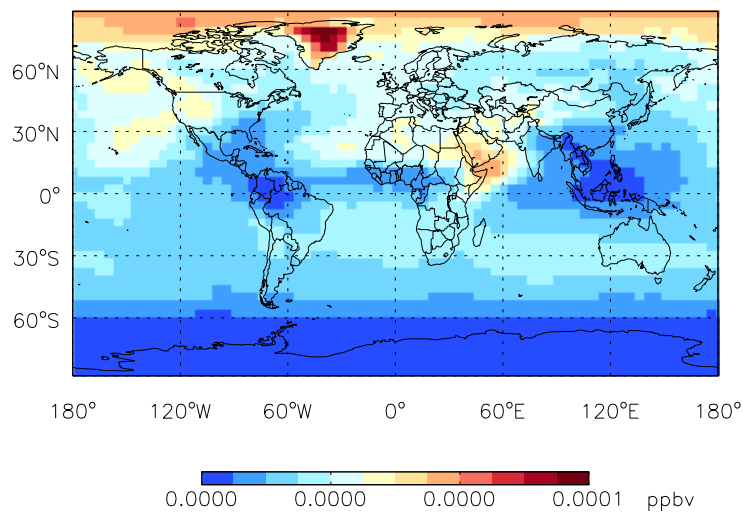
Tracer Map @ 500 hPa – Br2



Tracer Map @ Surface – Br



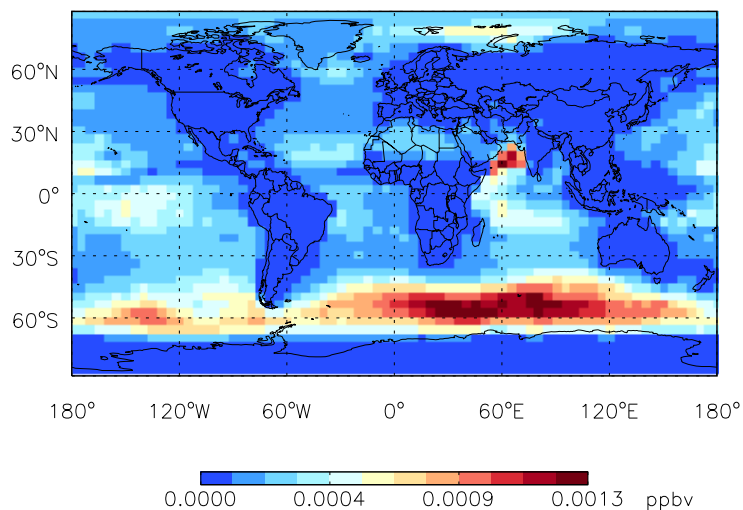
Tracer Map @ 500 hPa – Br



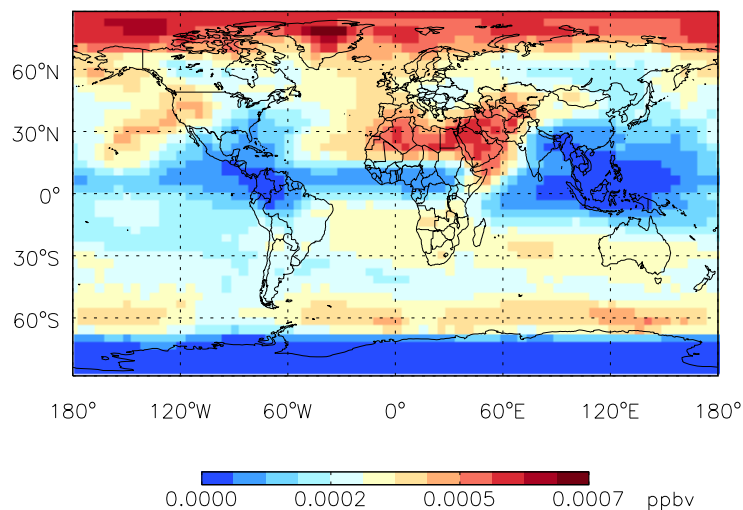
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

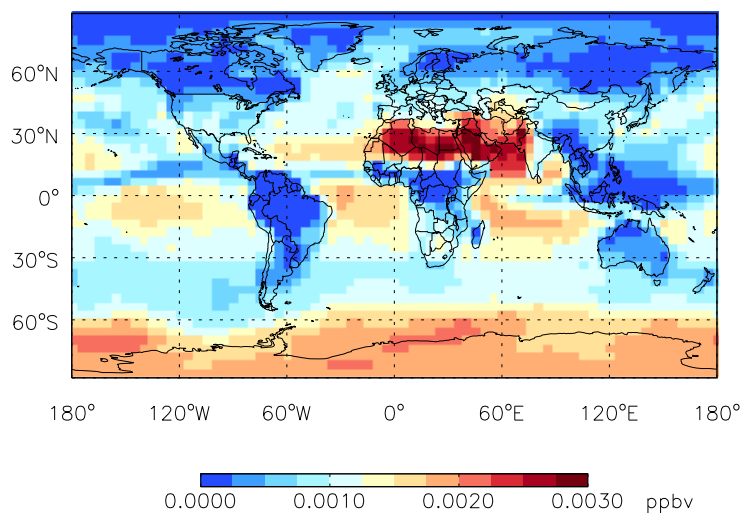
Tracer Map @ Surface – BrO



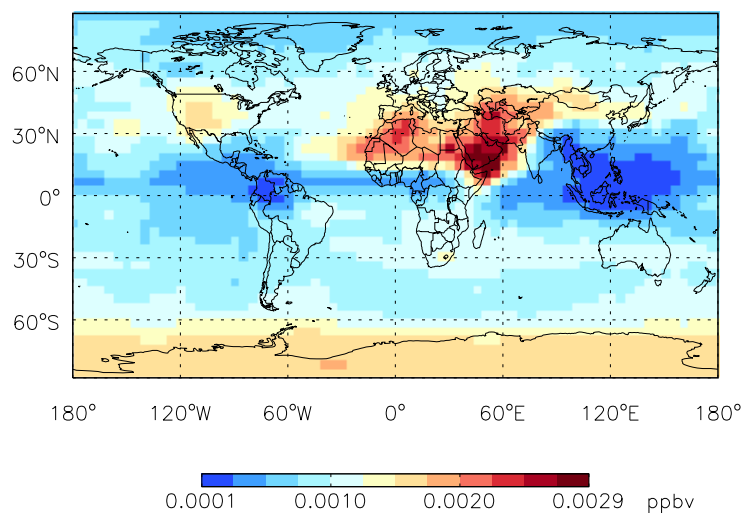
Tracer Map @ 500 hPa – BrO



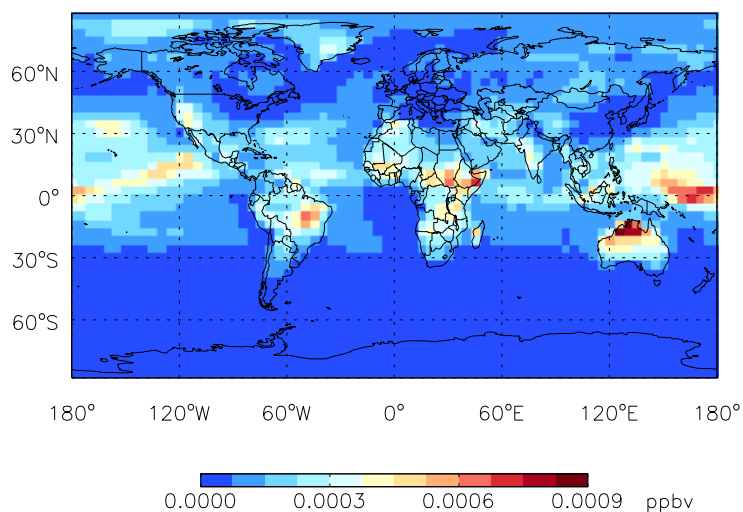
Tracer Map @ Surface – HOBr



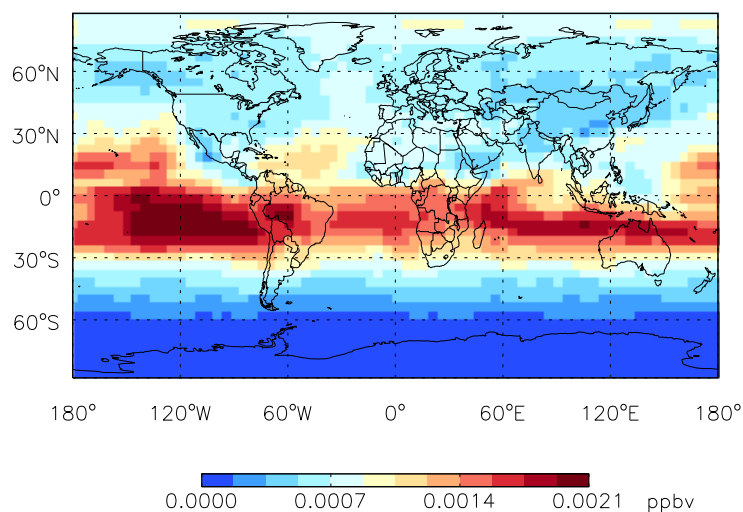
Tracer Map @ 500 hPa – HOBr



Tracer Map @ Surface – HBr



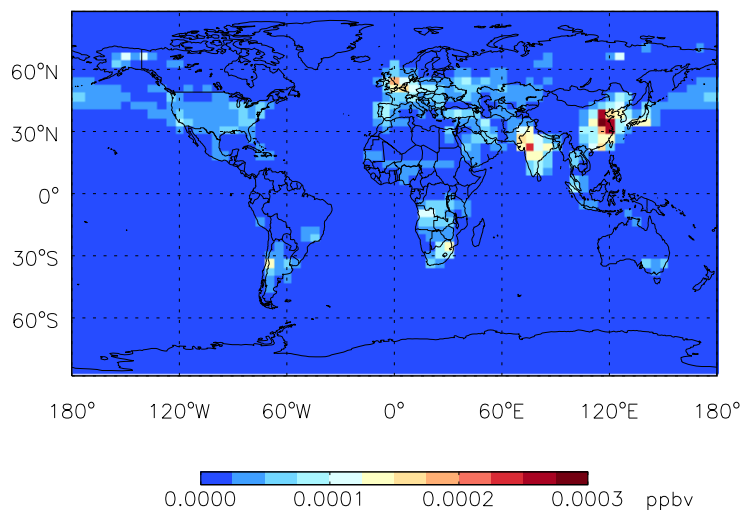
Tracer Map @ 500 hPa – HBr



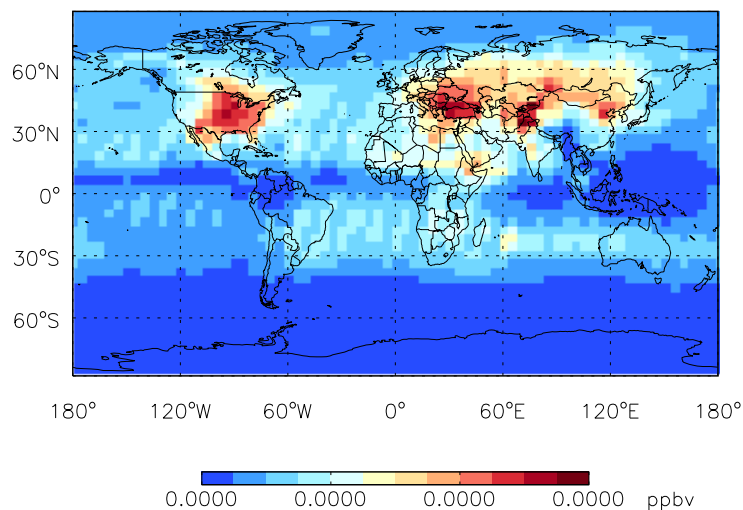
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

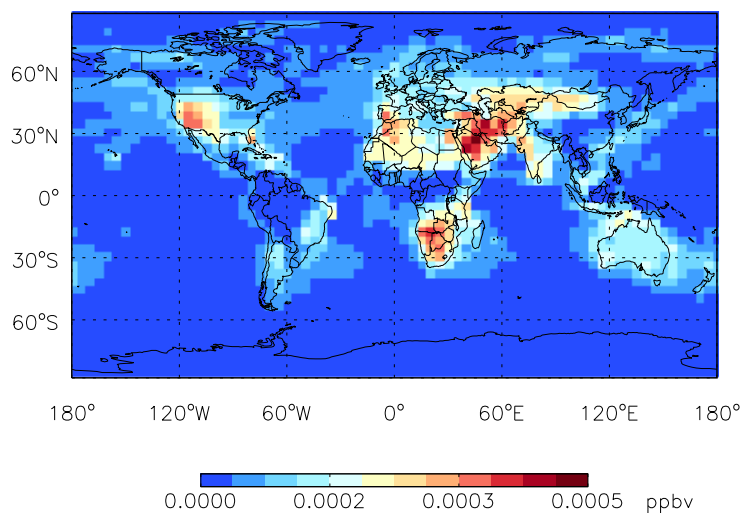
Tracer Map @ Surface – BrNO2



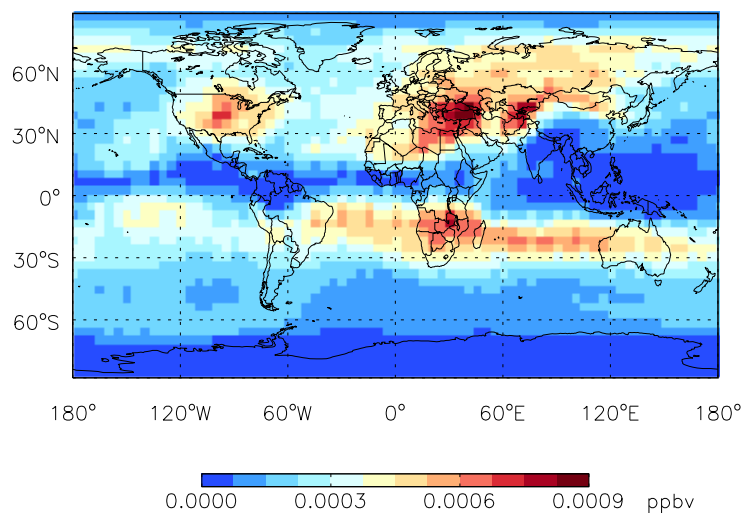
Tracer Map @ 500 hPa – BrNO2



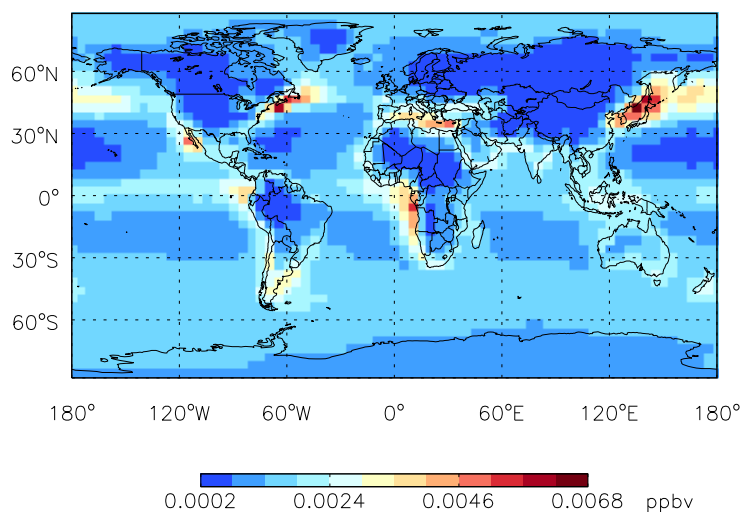
Tracer Map @ Surface – BrNO3



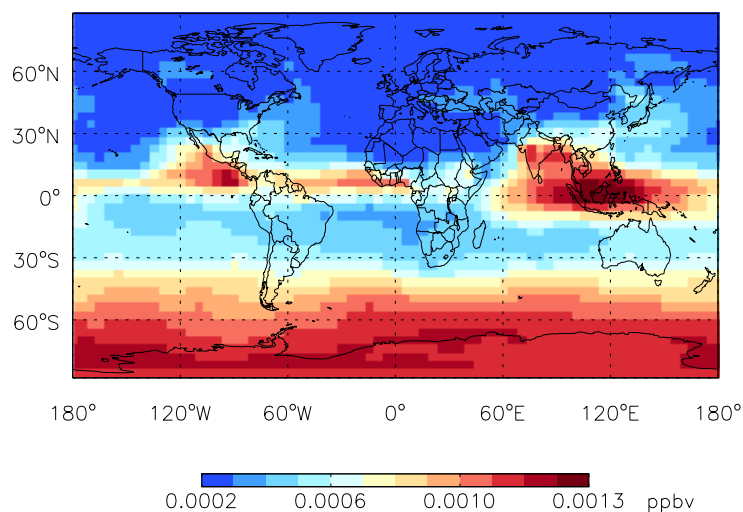
Tracer Map @ 500 hPa – BrNO3



Tracer Map @ Surface – CHBr3



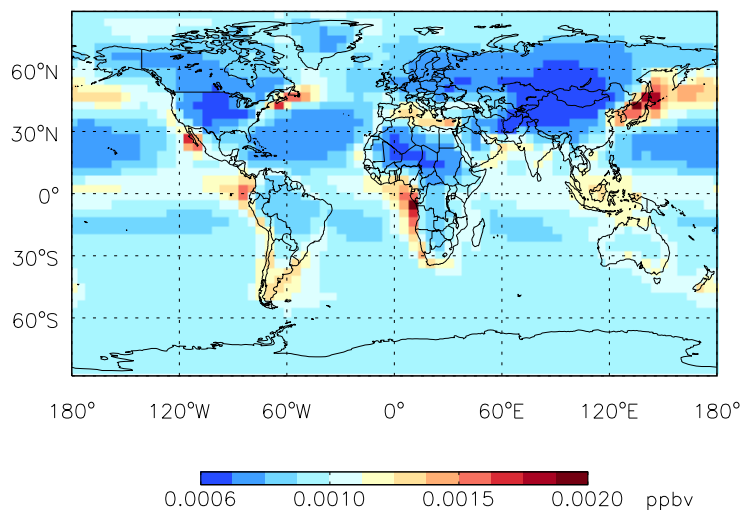
Tracer Map @ 500 hPa – CHBr3



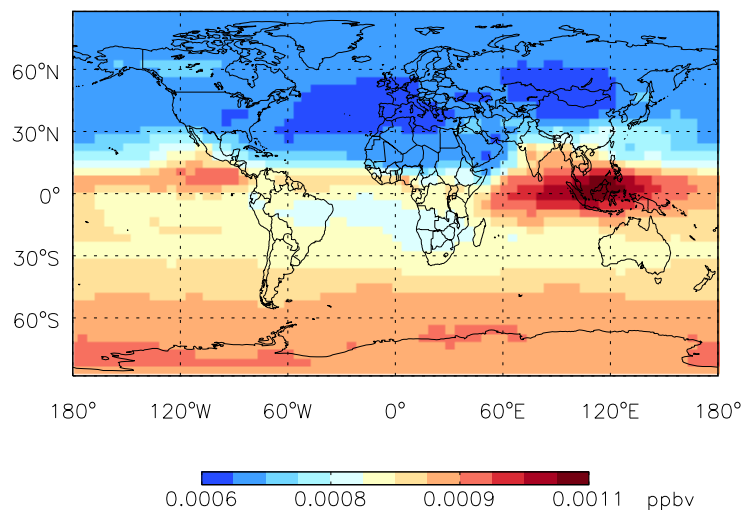
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

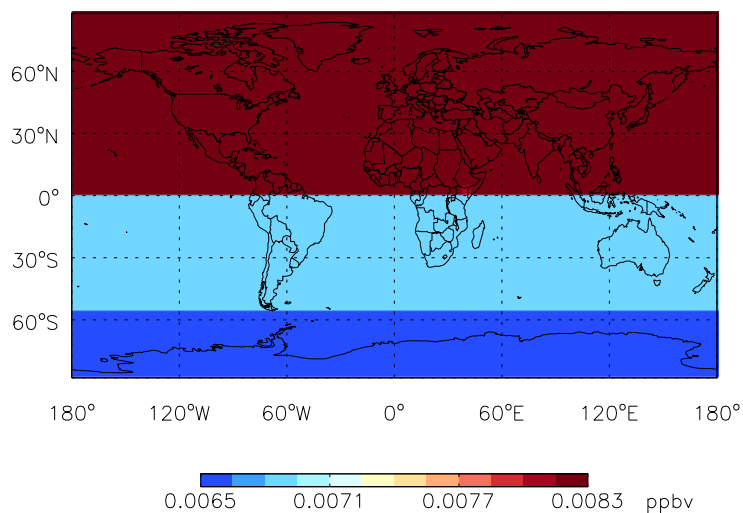
Tracer Map @ Surface – CH₂Br₂



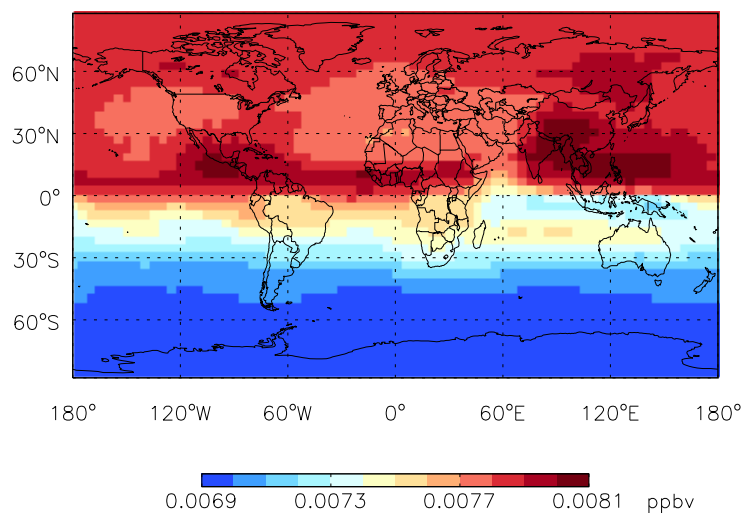
Tracer Map @ 500 hPa – CH₂Br₂



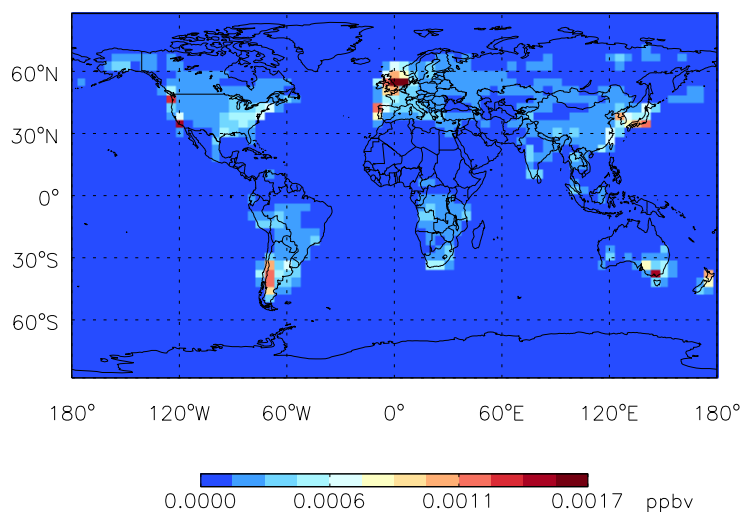
Tracer Map @ Surface – CH₃Br



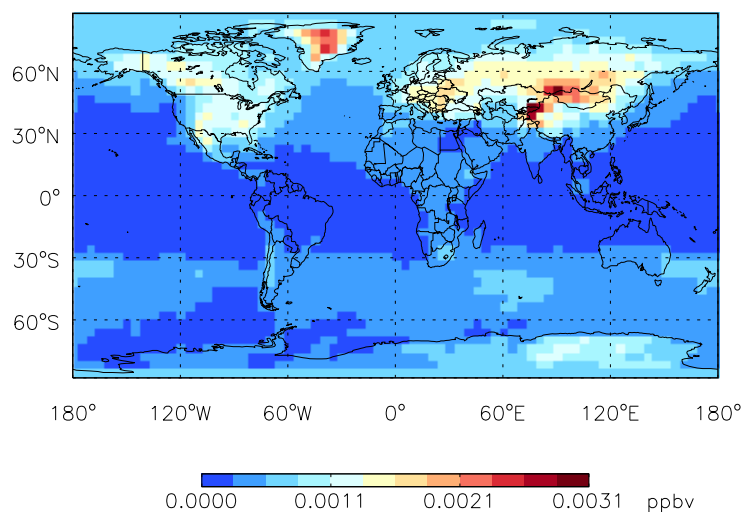
Tracer Map @ 500 hPa – CH₃Br



Tracer Map @ Surface – MPN



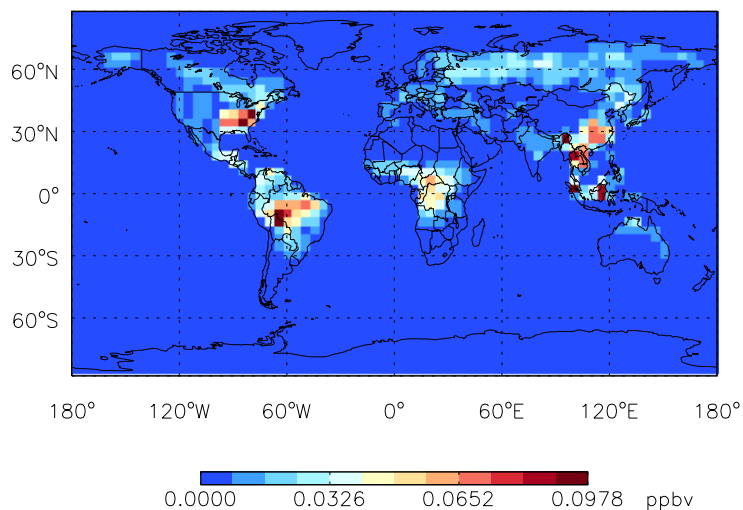
Tracer Map @ 500 hPa – MPN



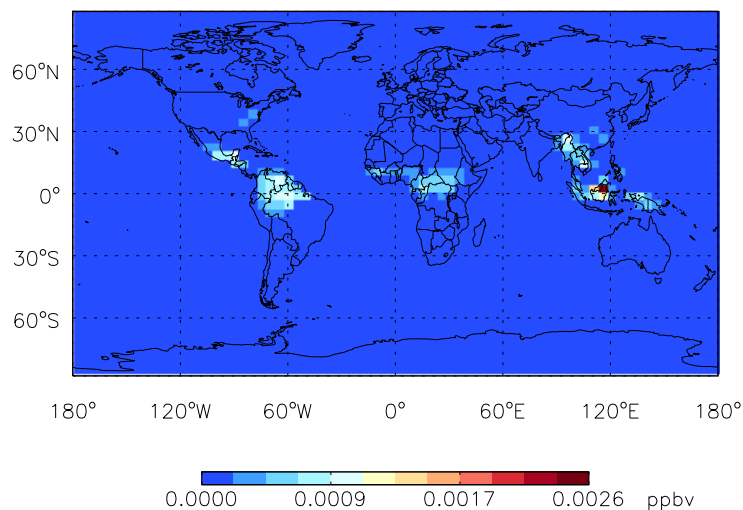
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

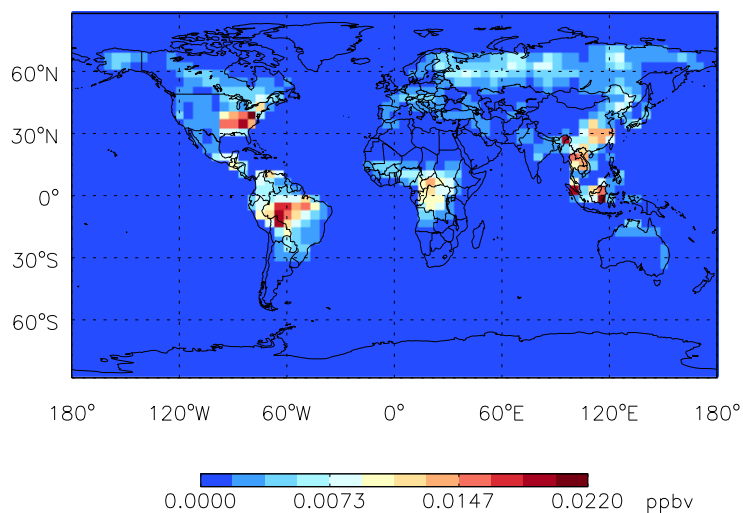
Tracer Map @ Surface – ISOPN



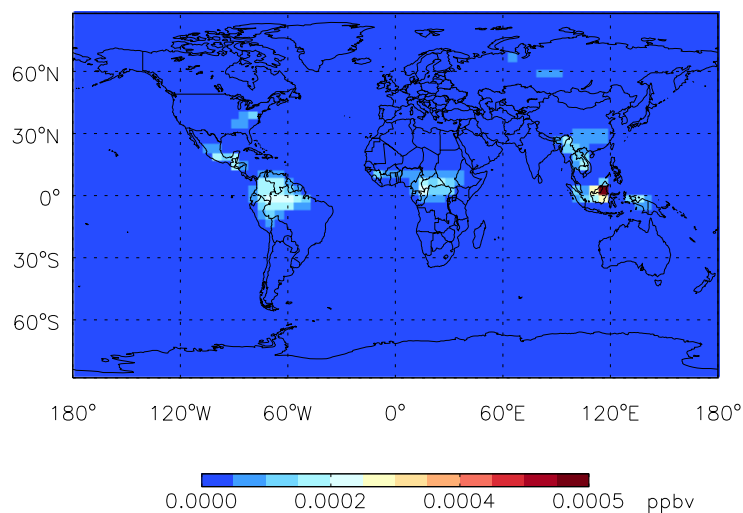
Tracer Map @ 500 hPa – ISOPN



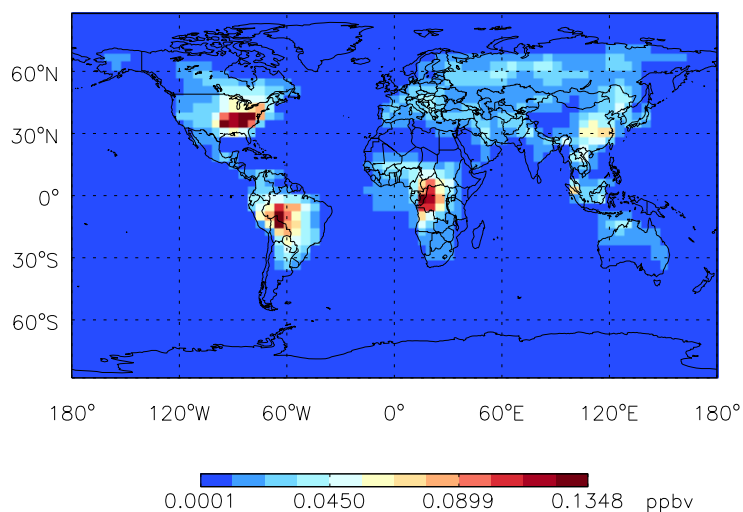
Tracer Map @ Surface – MOBA



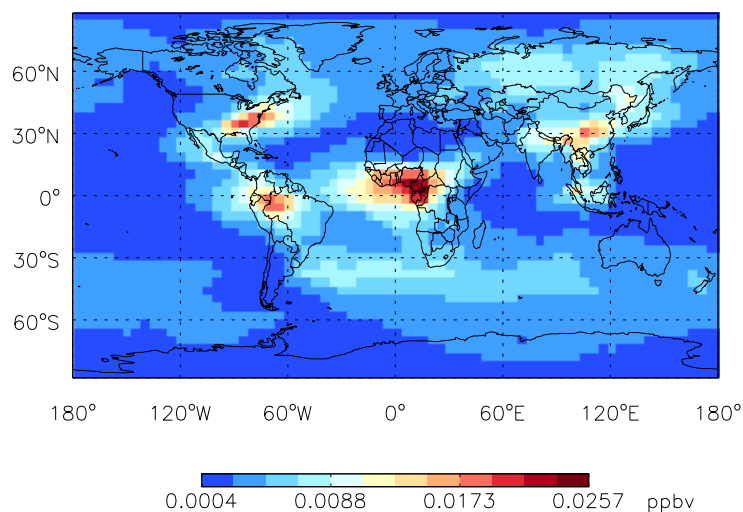
Tracer Map @ 500 hPa – MOBA



Tracer Map @ Surface – PROPNN



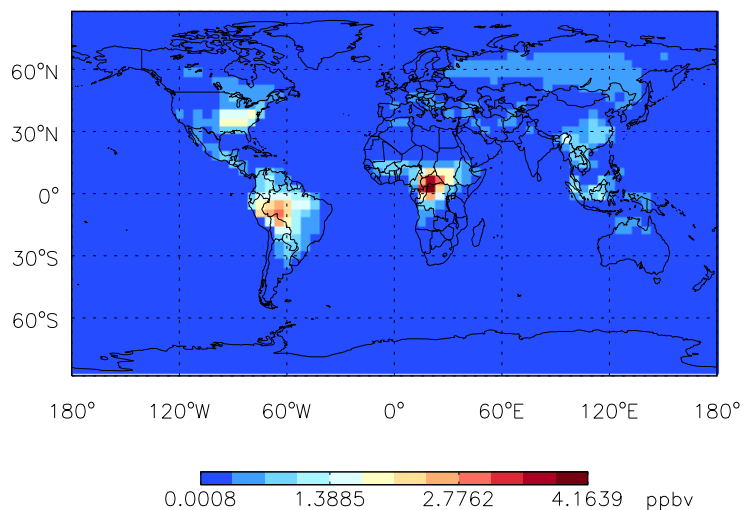
Tracer Map @ 500 hPa – PROPNN



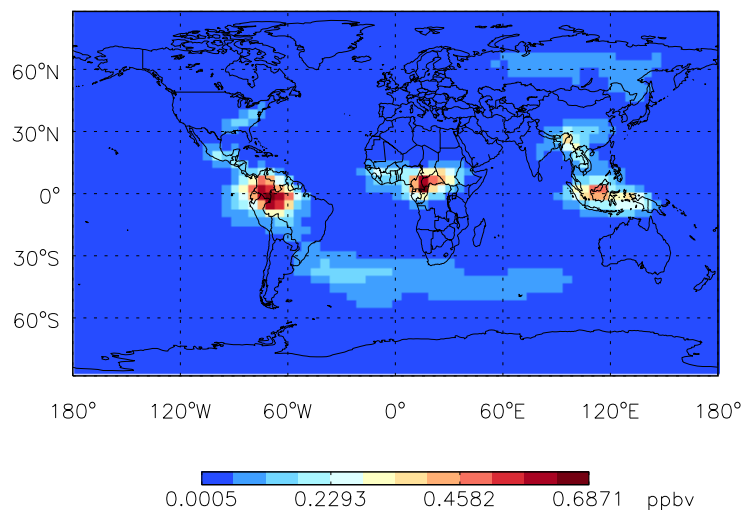
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

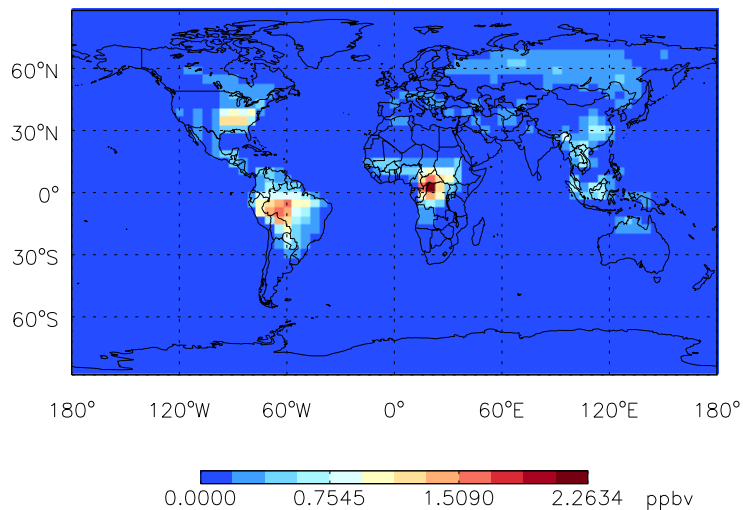
Tracer Map @ Surface – HAC



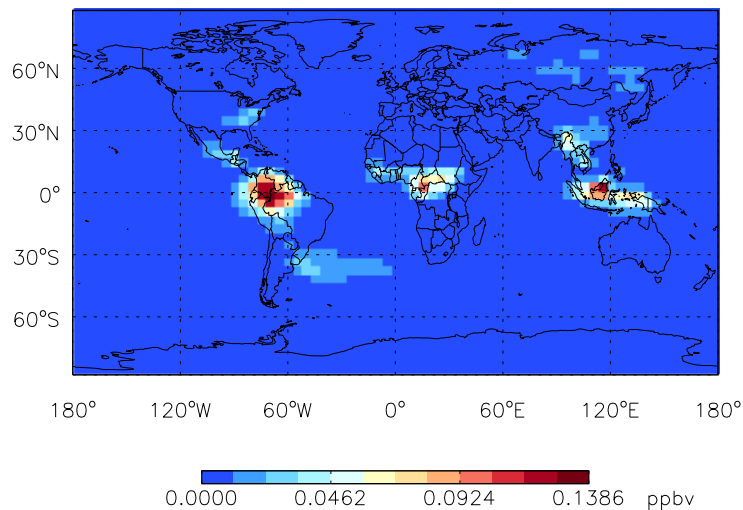
Tracer Map @ 500 hPa – HAC



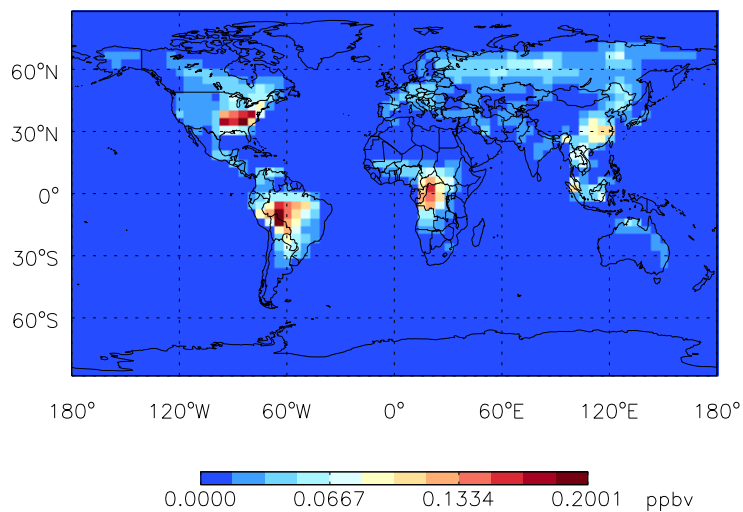
Tracer Map @ Surface – GLYC



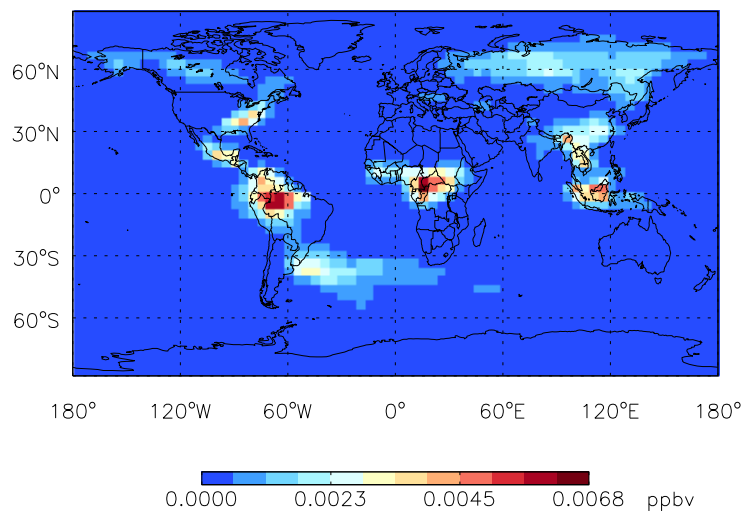
Tracer Map @ 500 hPa – GLYC



Tracer Map @ Surface – MMN



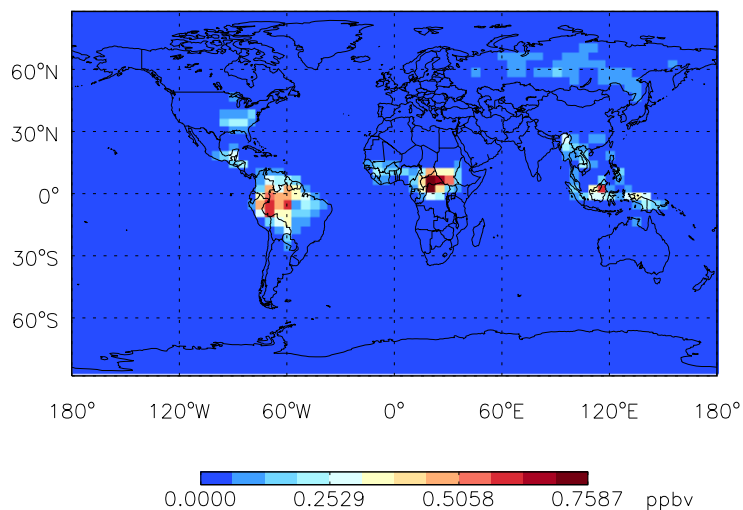
Tracer Map @ 500 hPa – MMN



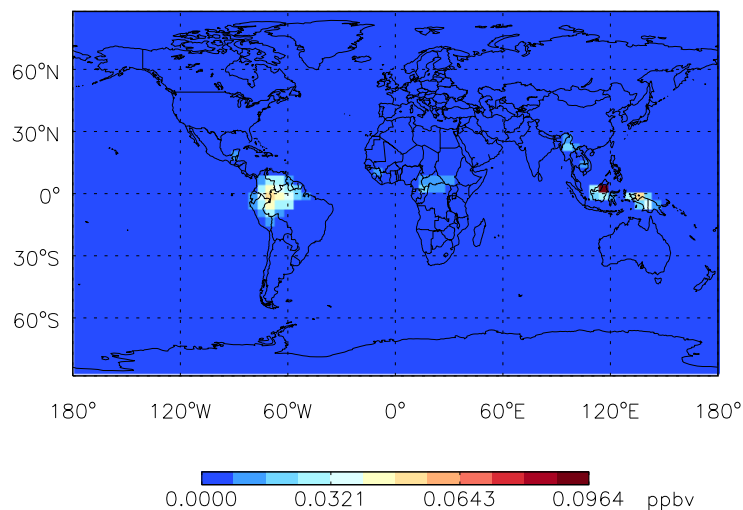
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

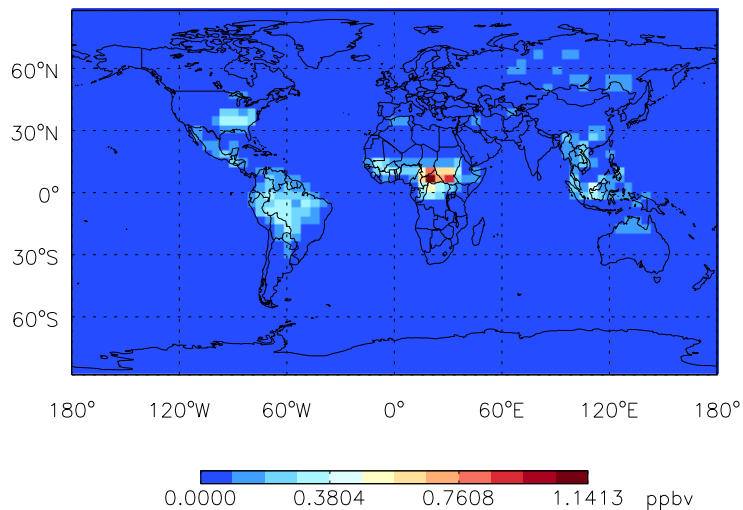
Tracer Map @ Surface – RIP



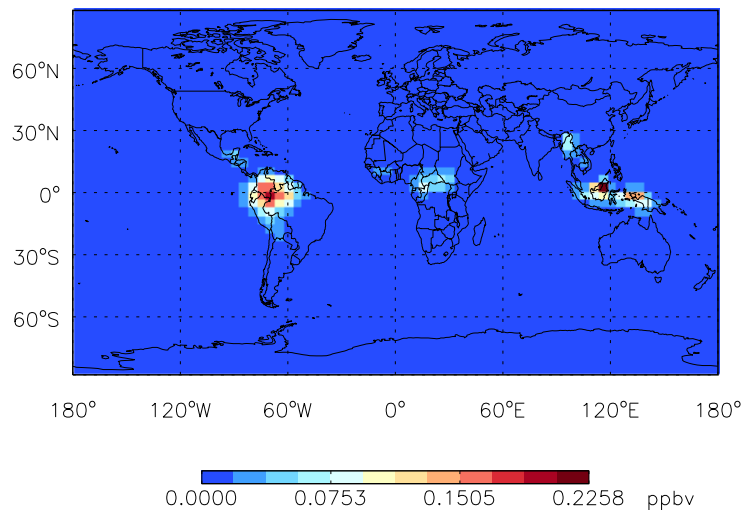
Tracer Map @ 500 hPa – RIP



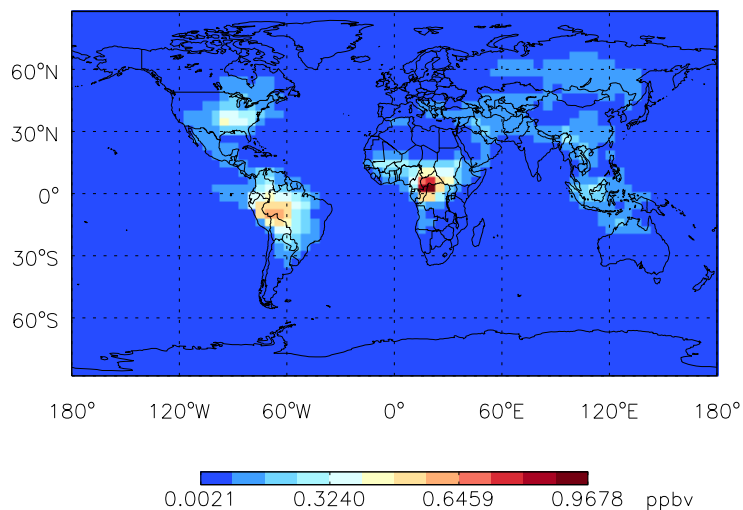
Tracer Map @ Surface – IEPOX



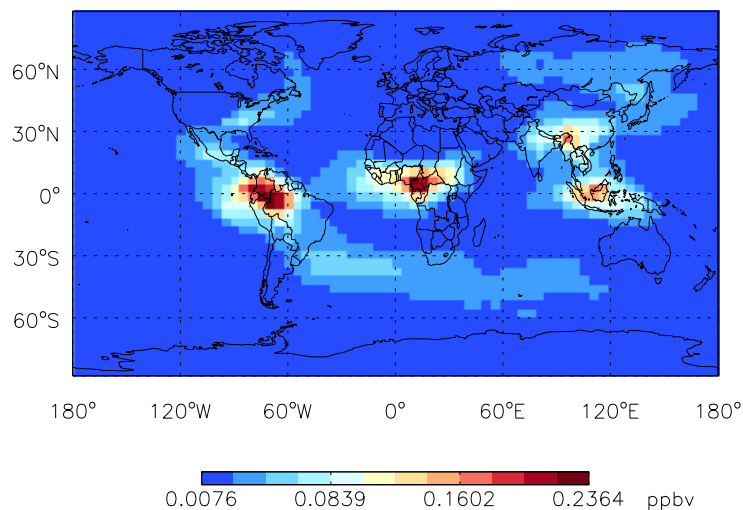
Tracer Map @ 500 hPa – IEPOX



Tracer Map @ Surface – MAP



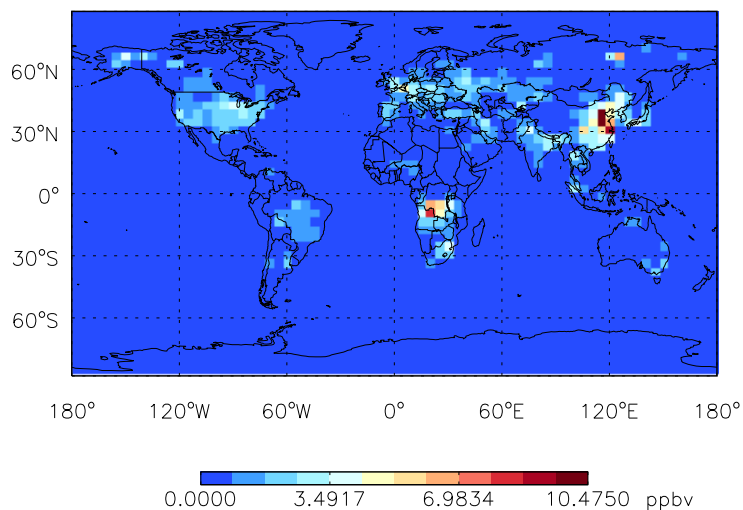
Tracer Map @ 500 hPa – MAP



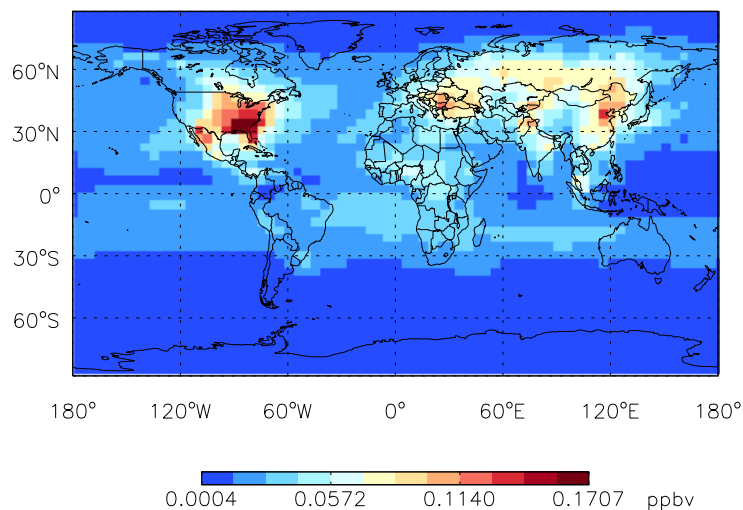
GEOS-Chem v9-02j Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02j

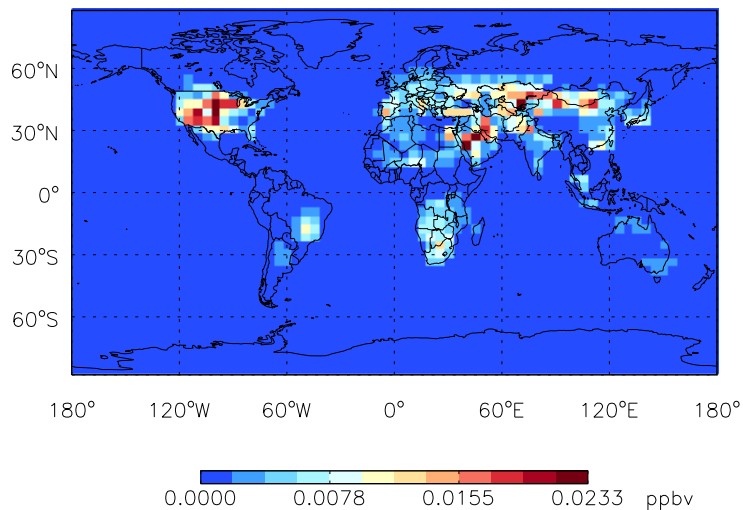
Tracer Map @ Surface - NO2



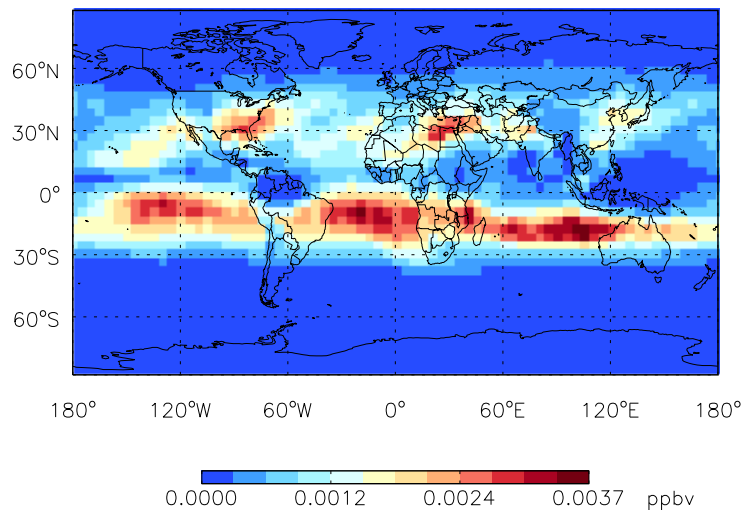
Tracer Map @ 500 hPa - NO2



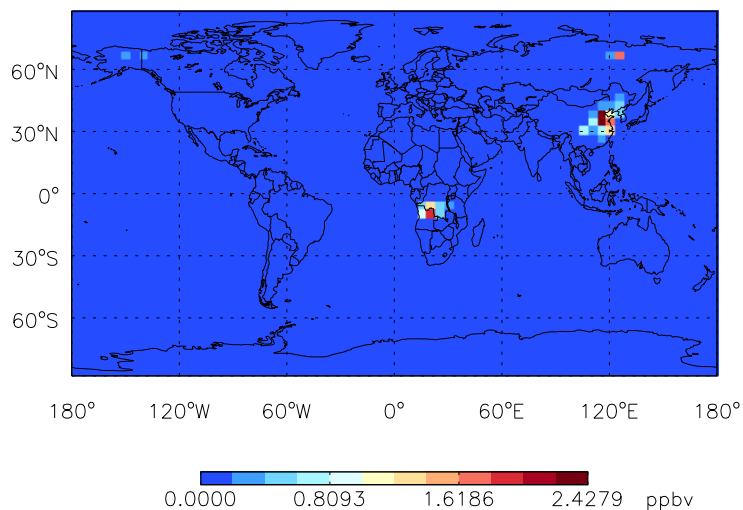
Tracer Map @ Surface - NO3



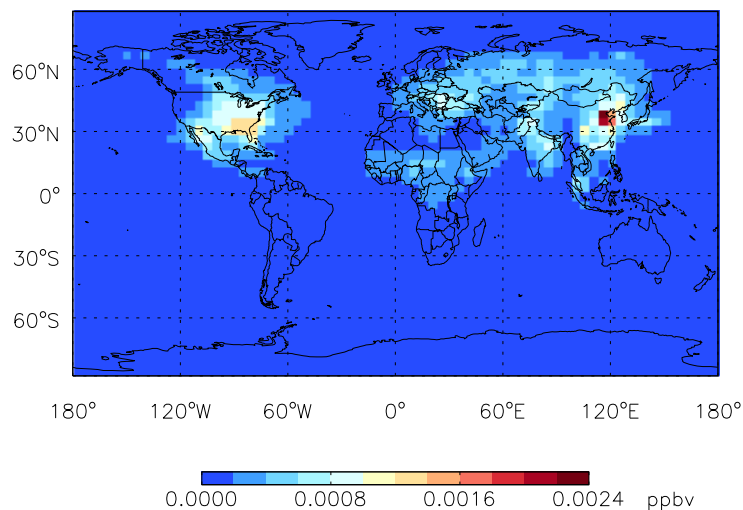
Tracer Map @ 500 hPa - NO3



Tracer Map @ Surface - HNO2



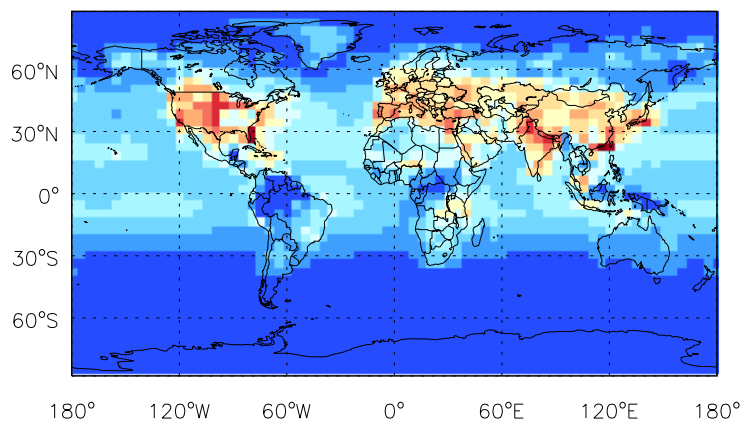
Tracer Map @ 500 hPa - HNO2



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

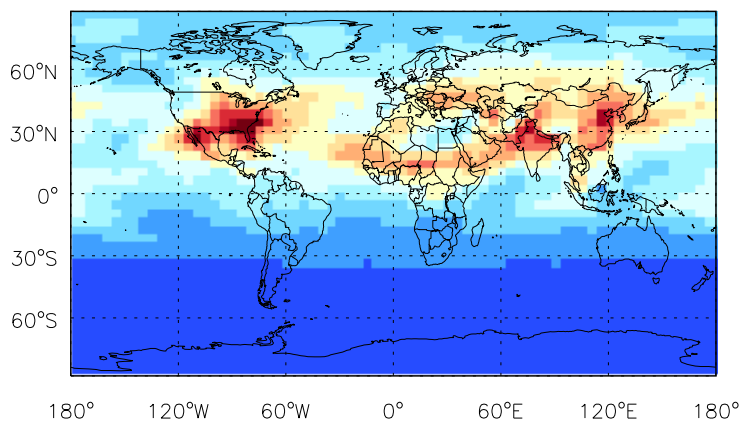
ctm.bpch.v9-02j

Tracer Map @ Surface - OH



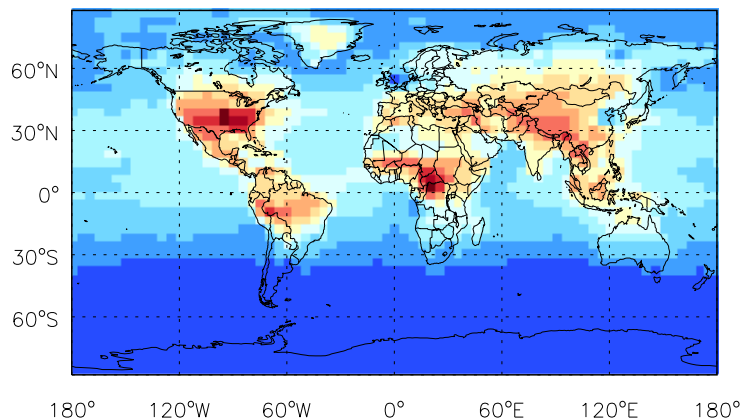
0.0000 18.6990 37.3979 56.0968 1e5 molec/cm3

Tracer Map @ 500 hPa - OH



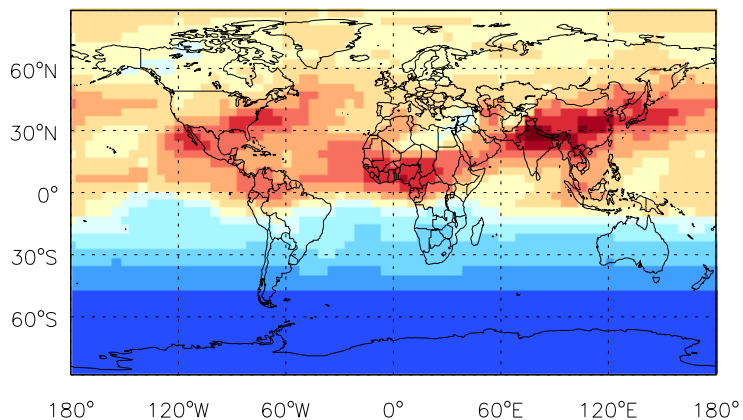
0.0002 16.7857 33.5712 50.3568 1e5 molec/cm3

Tracer Map @ Surface - HO2



0.0002 6.1202 12.2402 18.3602 pptv

Tracer Map @ 500 hPa - HO2



0.0010 5.1150 10.2290 15.3430 pptv