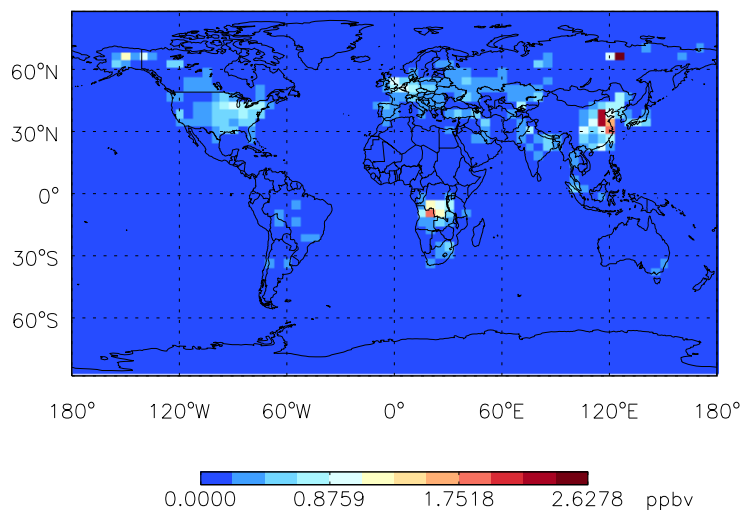


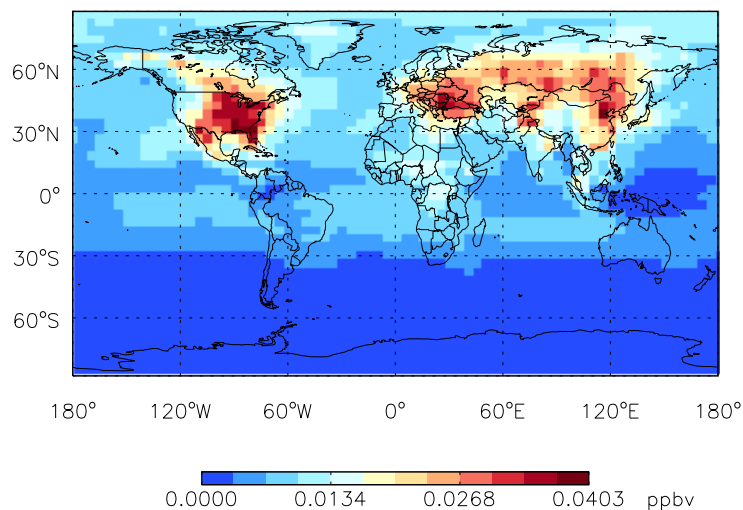
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

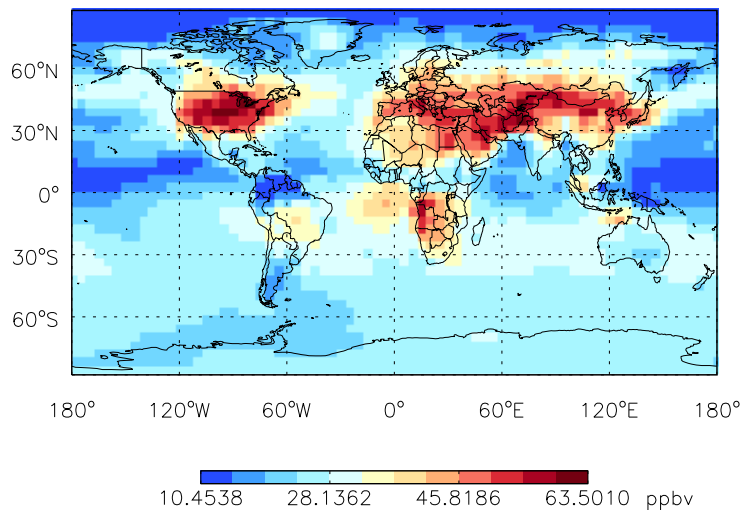
Tracer Map @ Surface – NO



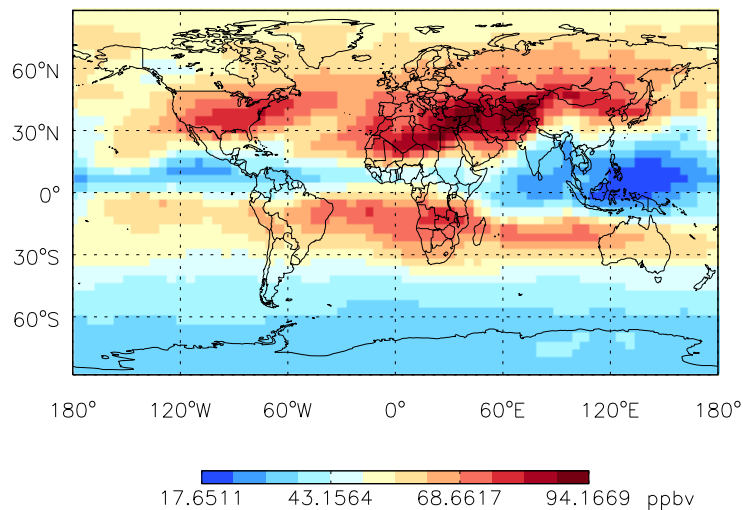
Tracer Map @ 500 hPa – NO



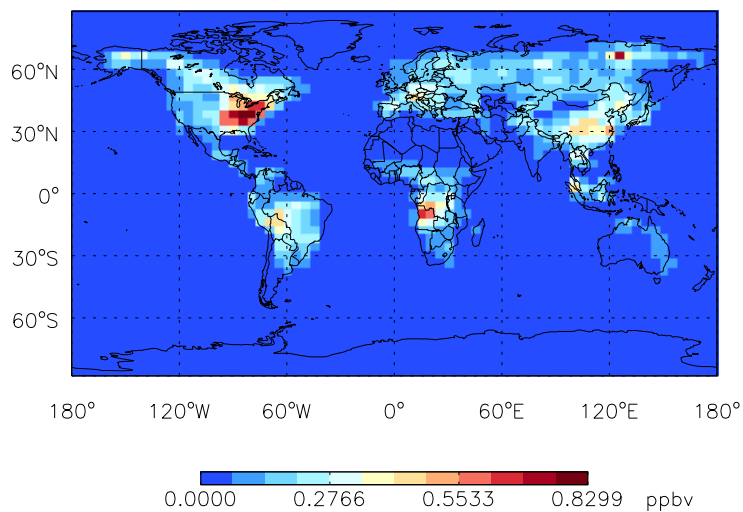
Tracer Map @ Surface – O3



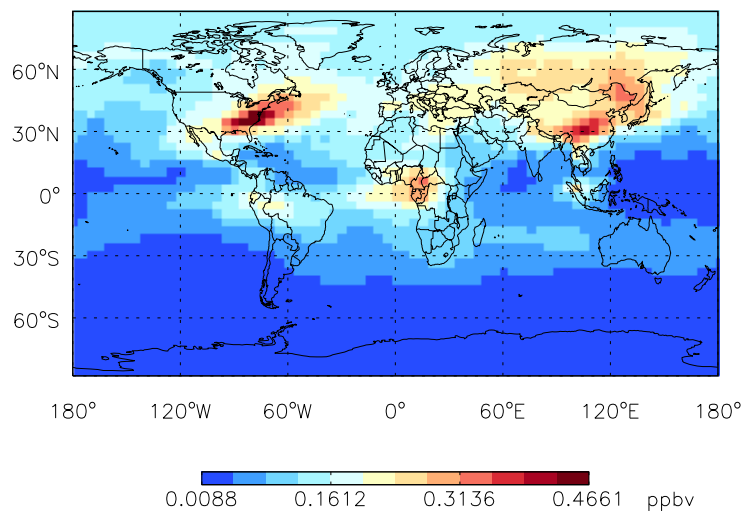
Tracer Map @ 500 hPa – O3



Tracer Map @ Surface – PAN



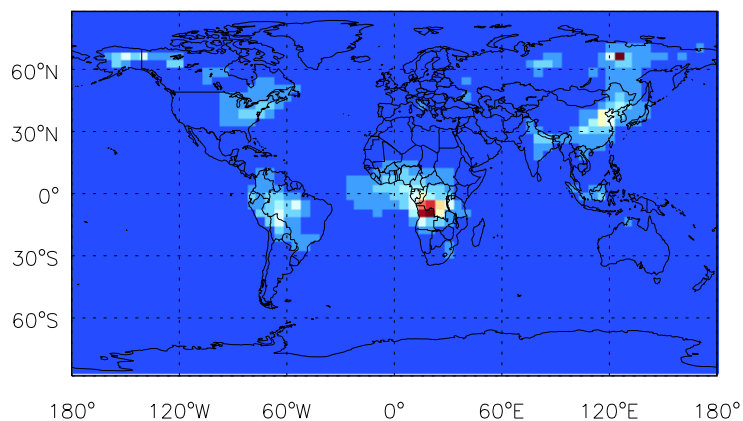
Tracer Map @ 500 hPa – PAN



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

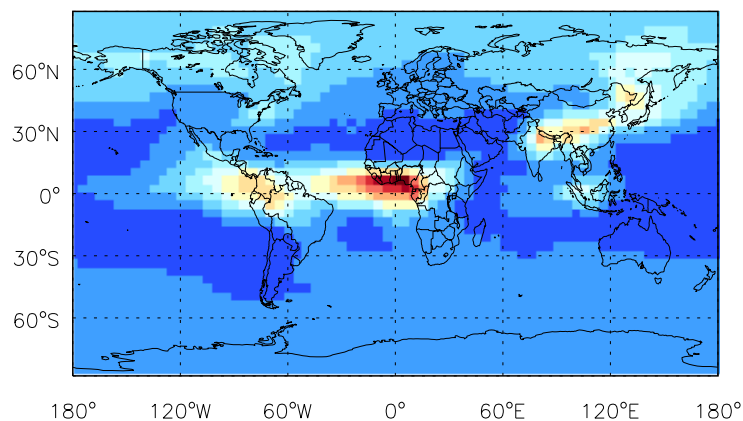
ctm.bpch.v9-02n\_SOA

Tracer Map @ Surface - CO



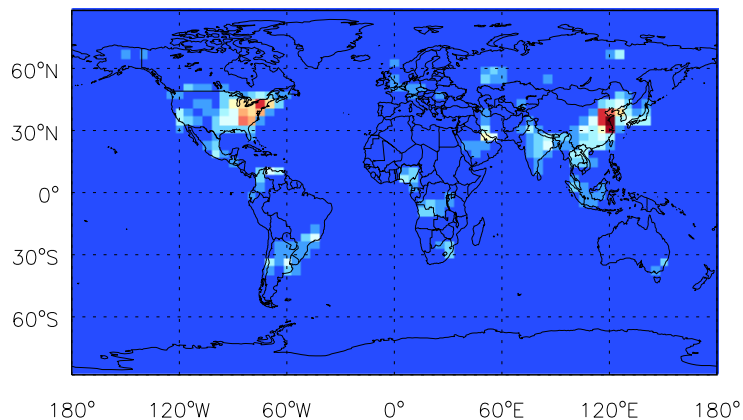
58.5732 356.7816 654.9899 953.1982 ppbv

Tracer Map @ 500 hPa - CO



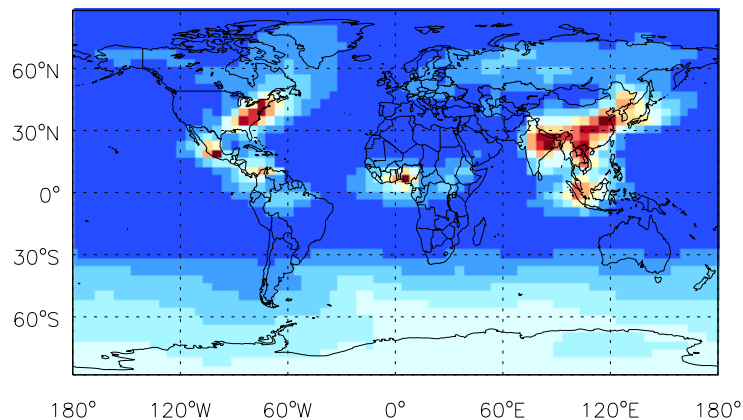
58.0796 89.9194 121.7592 153.5991 ppbv

Tracer Map @ Surface - ALK4



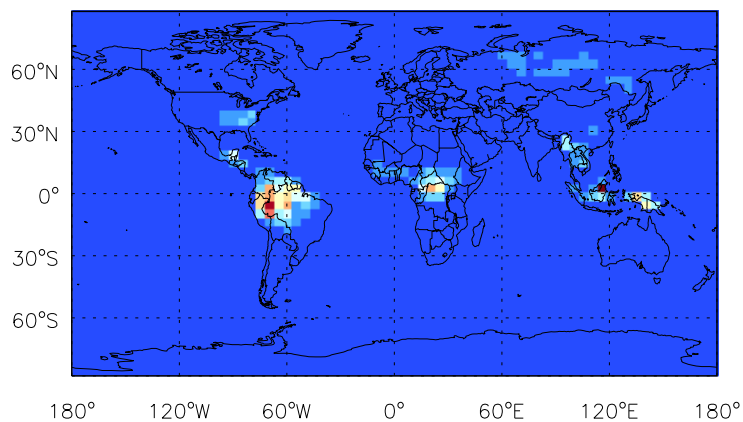
0.0010 5.3047 10.6084 15.9121 ppbC

Tracer Map @ 500 hPa - ALK4



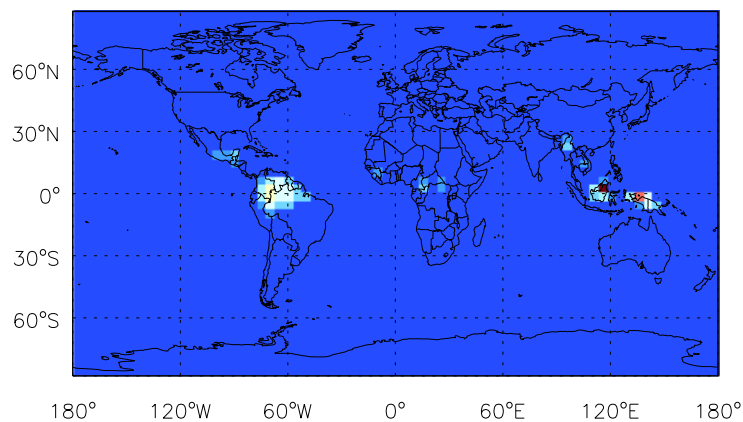
0.0015 0.1797 0.3579 0.5360 ppbC

Tracer Map @ Surface - ISOP



0.0000 20.5279 41.0559 61.5838 ppbC

Tracer Map @ 500 hPa - ISOP

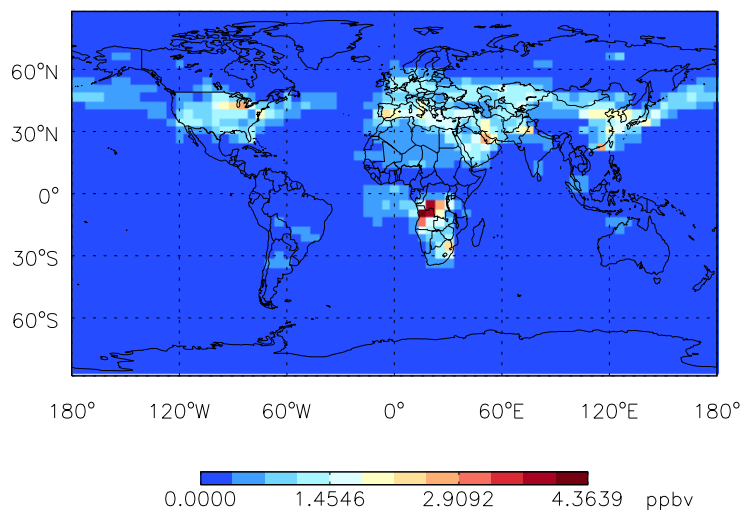


0.0000 0.5897 1.1795 1.7692 ppbC

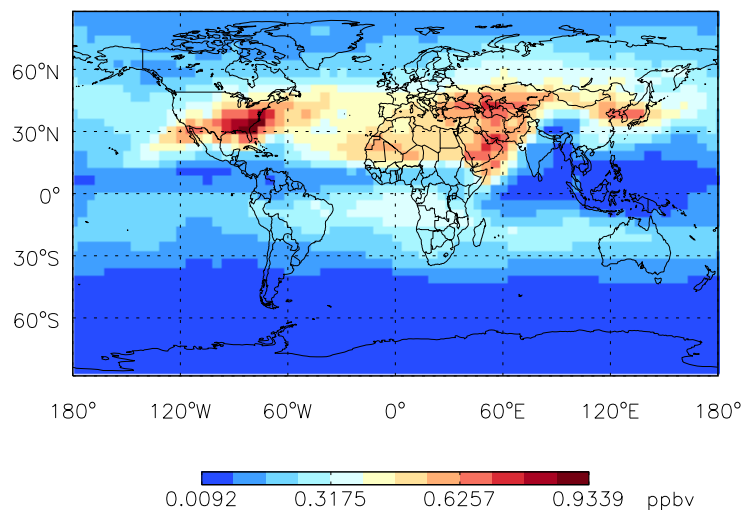
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

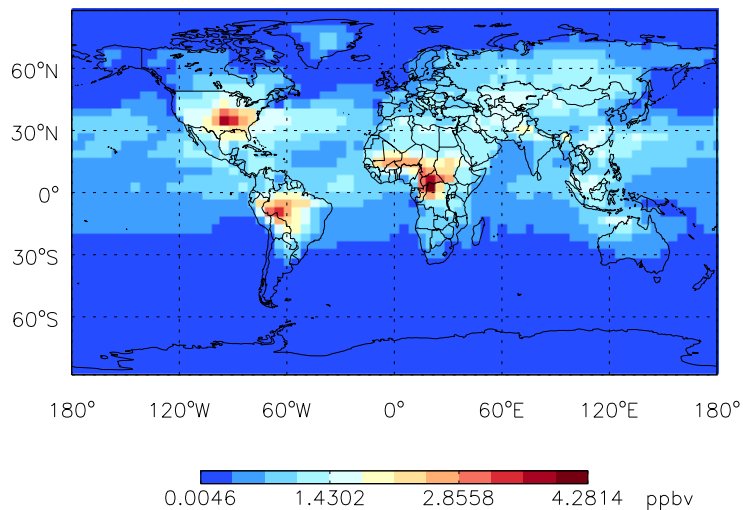
Tracer Map @ Surface – HN03



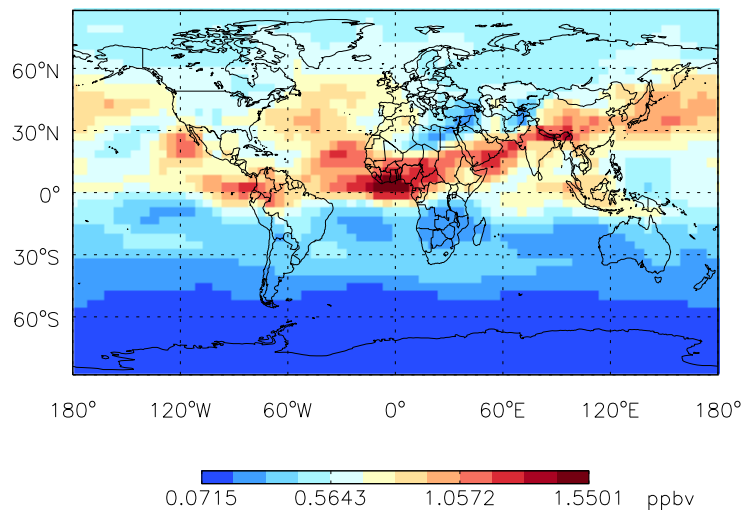
Tracer Map @ 500 hPa – HN03



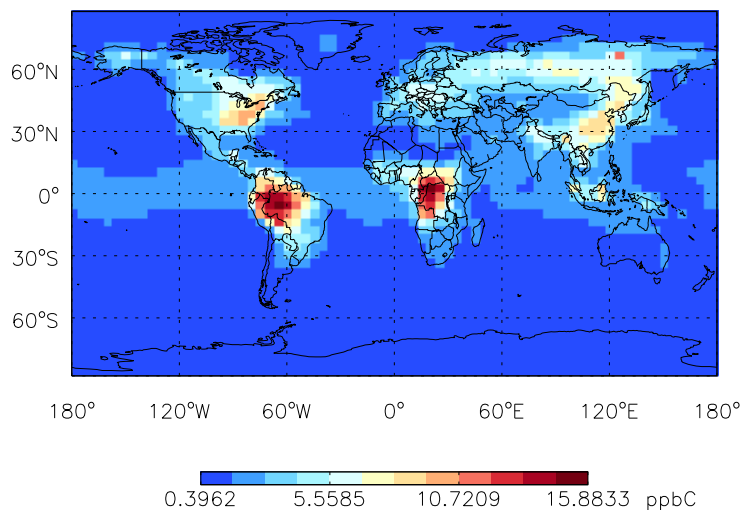
Tracer Map @ Surface – H2O2



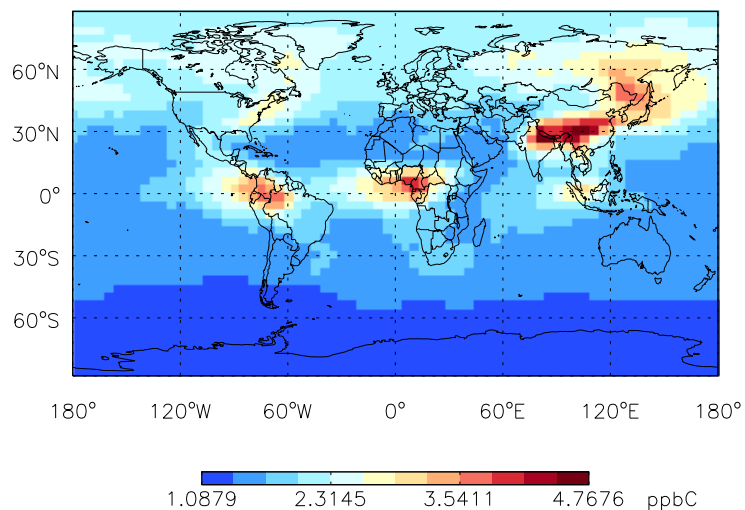
Tracer Map @ 500 hPa – H2O2



Tracer Map @ Surface – ACET



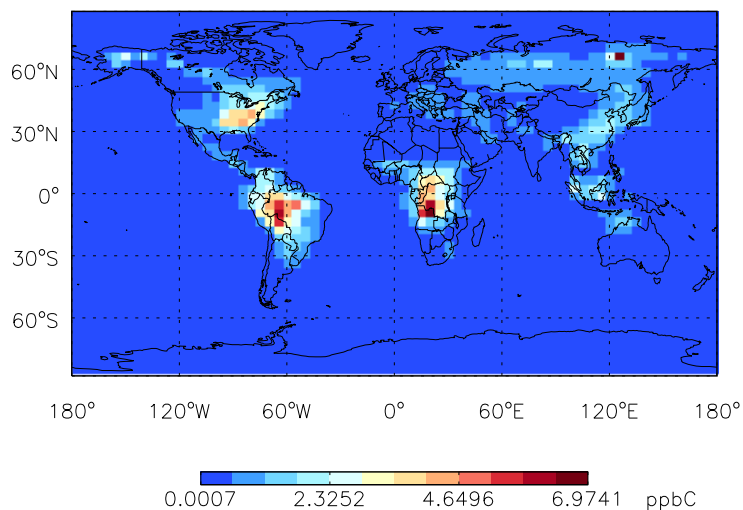
Tracer Map @ 500 hPa – ACET



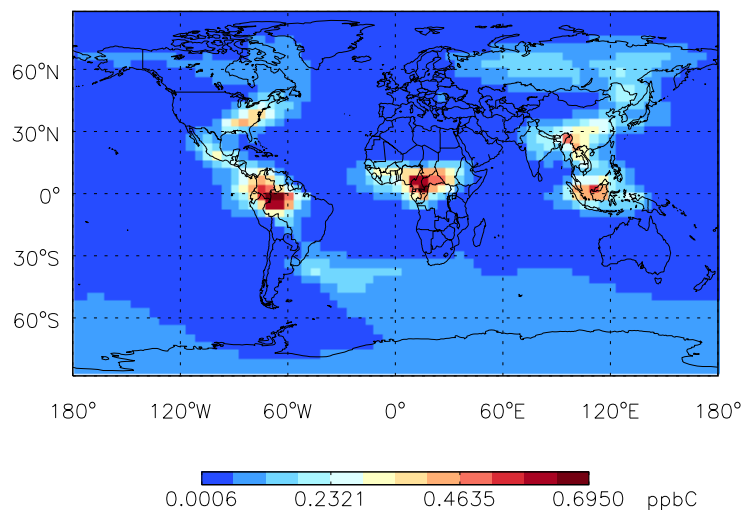
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

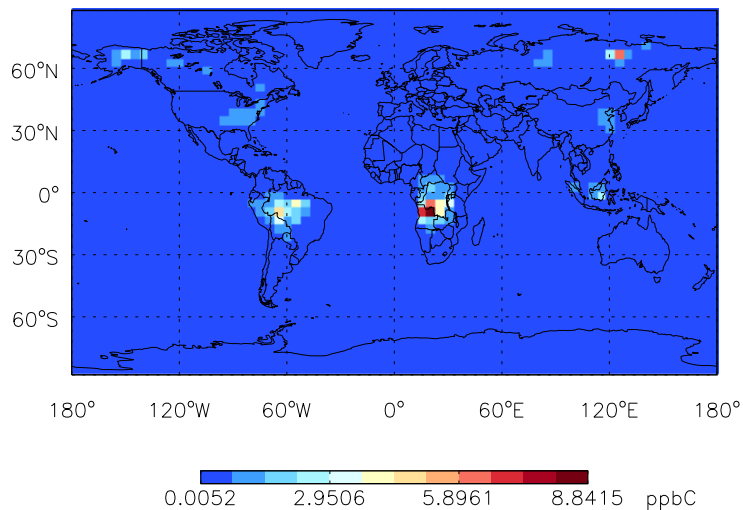
Tracer Map @ Surface – MEK



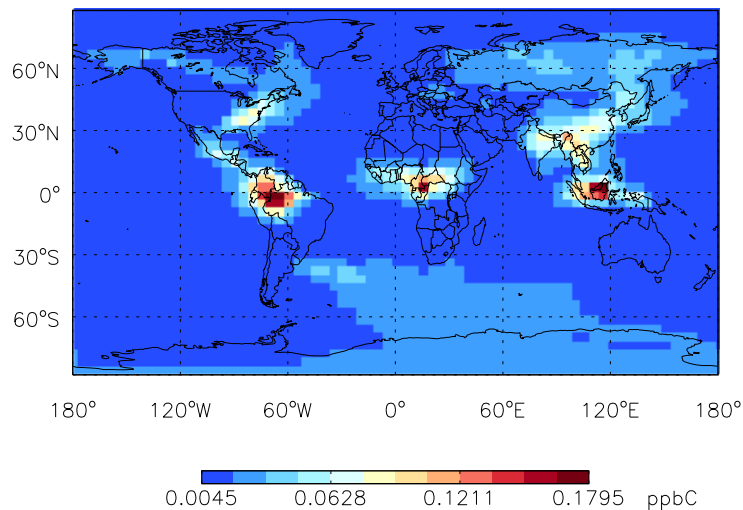
Tracer Map @ 500 hPa – MEK



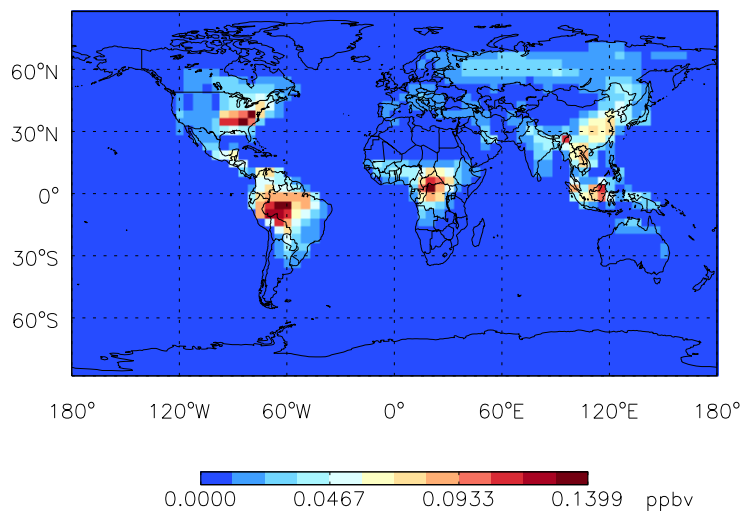
Tracer Map @ Surface – ALD2



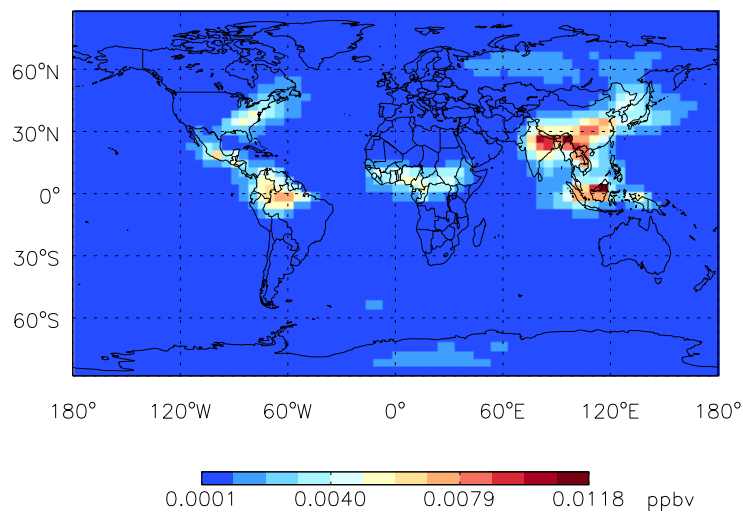
Tracer Map @ 500 hPa – ALD2



Tracer Map @ Surface – RCHO



Tracer Map @ 500 hPa – RCHO

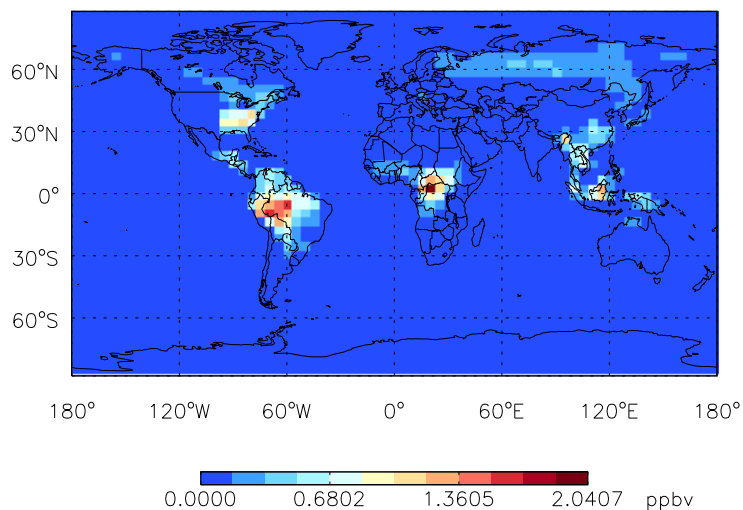




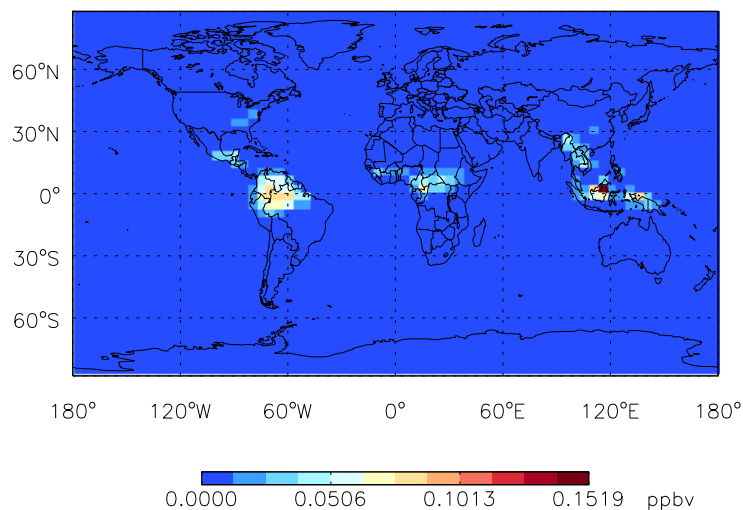
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

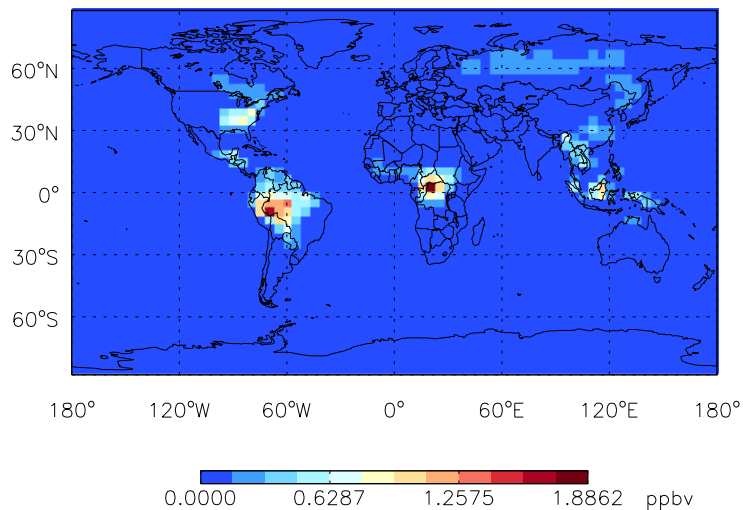
Tracer Map @ Surface – MVK



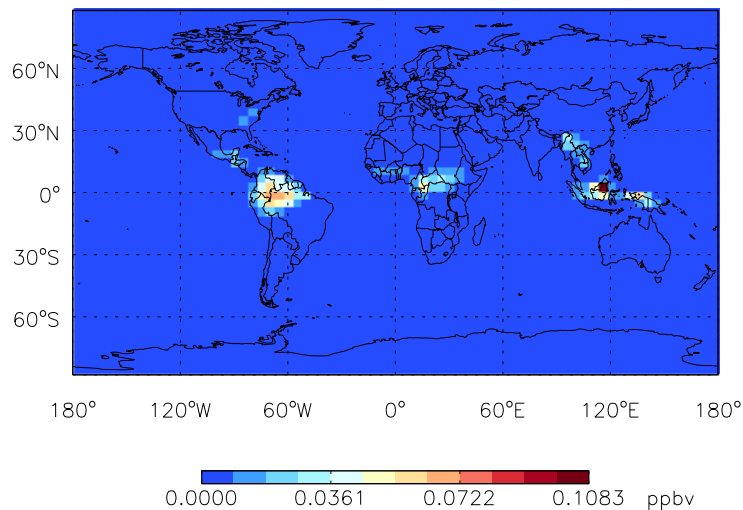
Tracer Map @ 500 hPa – MVK



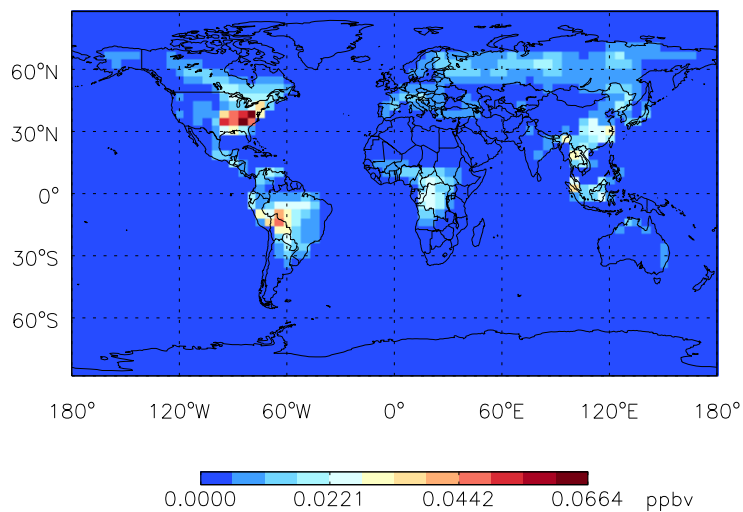
Tracer Map @ Surface – MACR



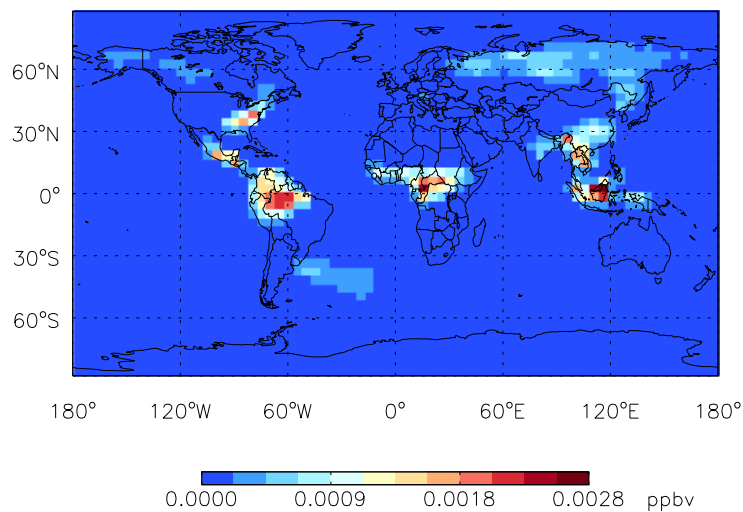
Tracer Map @ 500 hPa – MACR



Tracer Map @ Surface – PMN



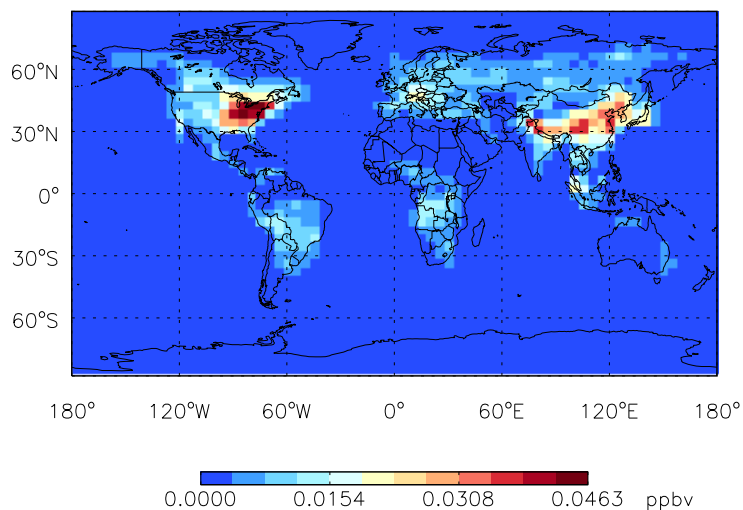
Tracer Map @ 500 hPa – PMN



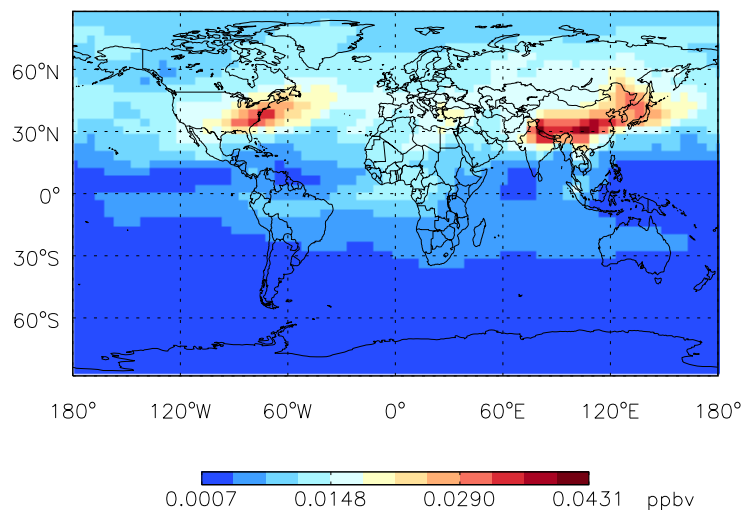
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

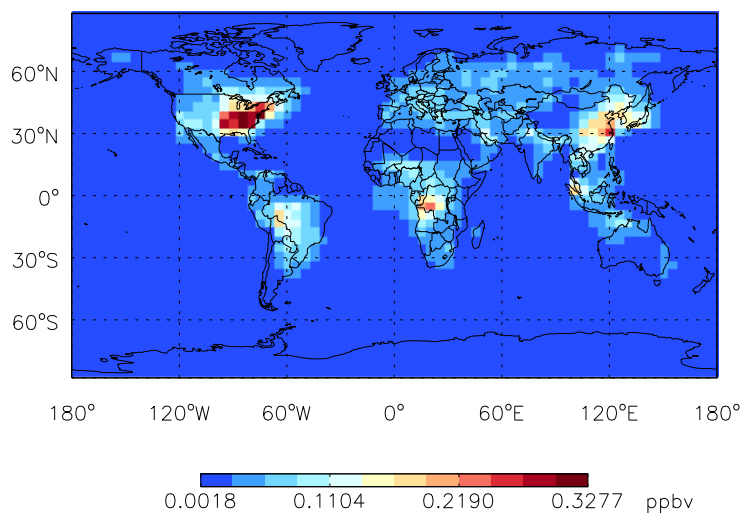
Tracer Map @ Surface – PPN



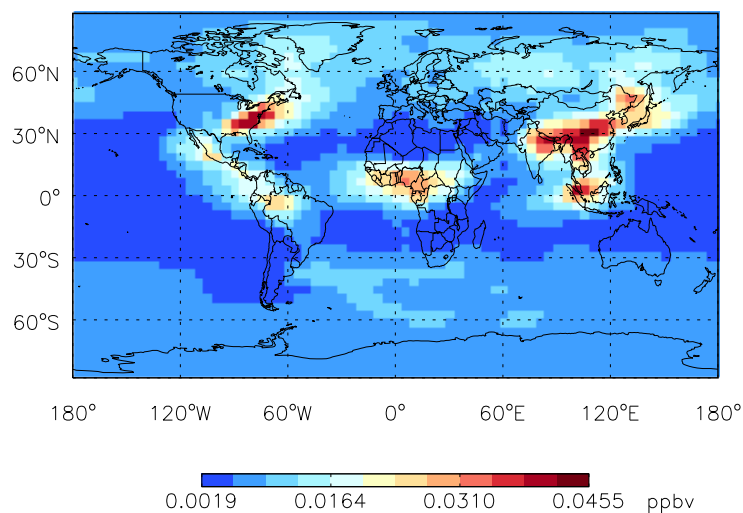
Tracer Map @ 500 hPa – PPN



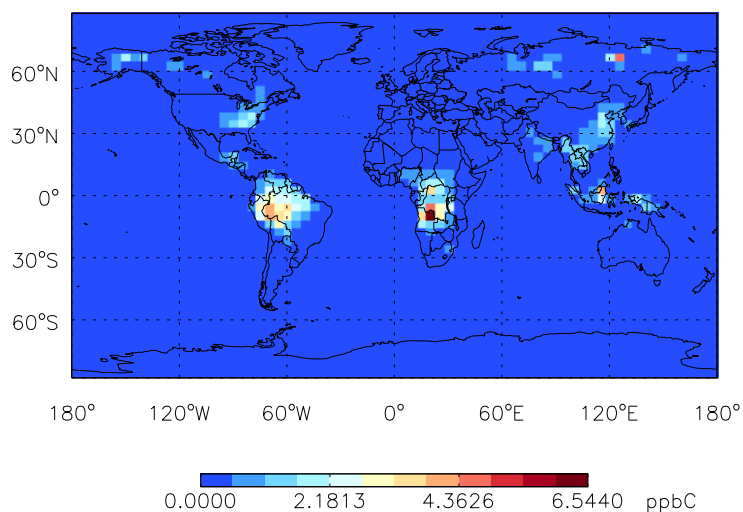
Tracer Map @ Surface – R4N2



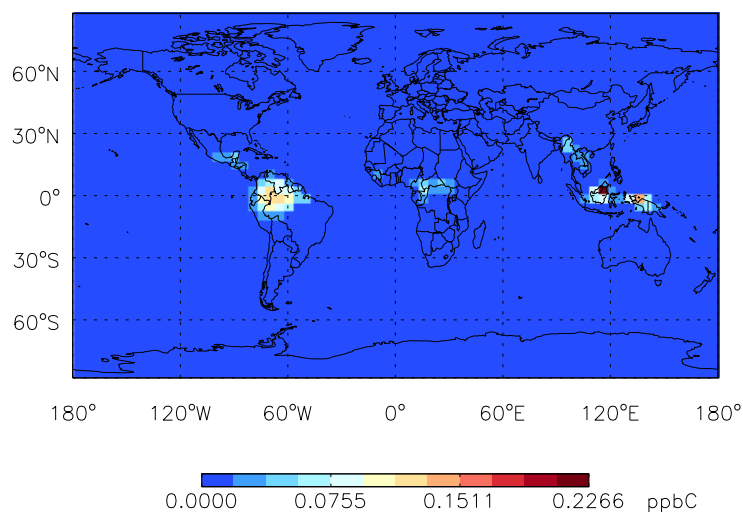
Tracer Map @ 500 hPa – R4N2



Tracer Map @ Surface – PRPE



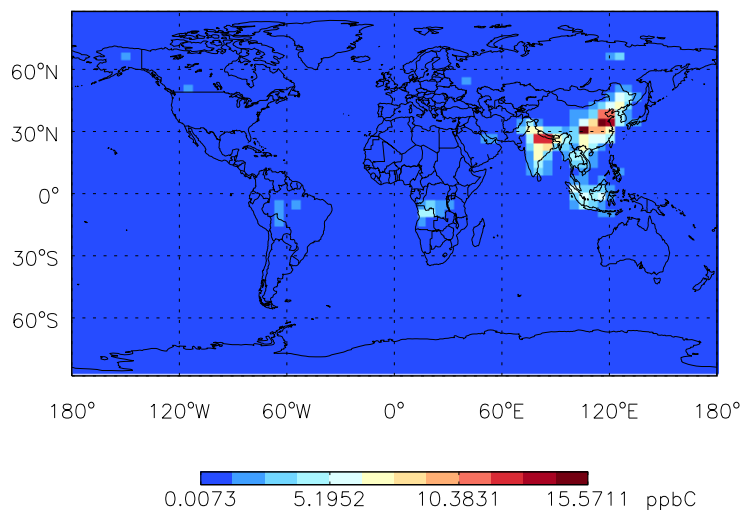
Tracer Map @ 500 hPa – PRPE



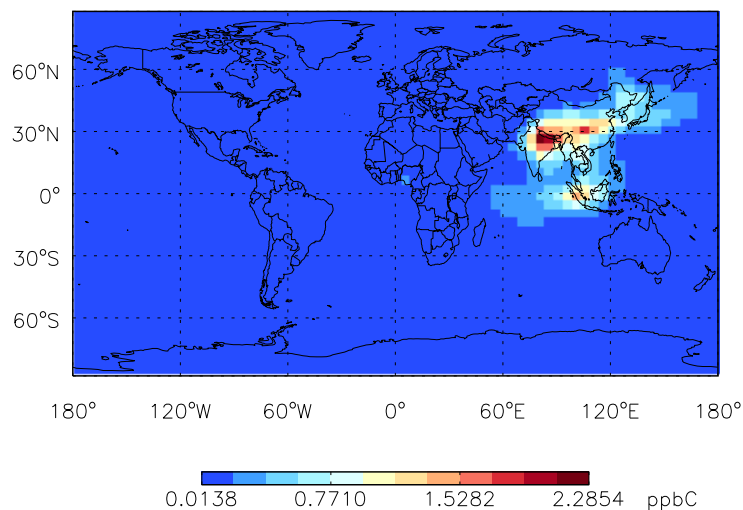
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

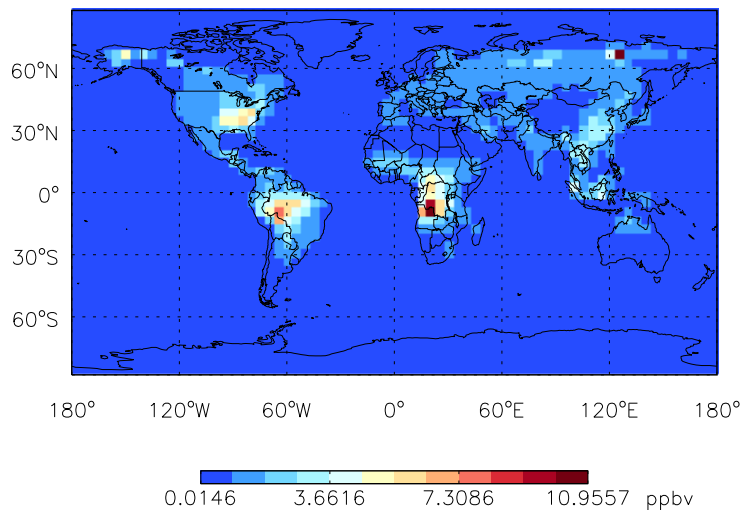
Tracer Map @ Surface - C3H8



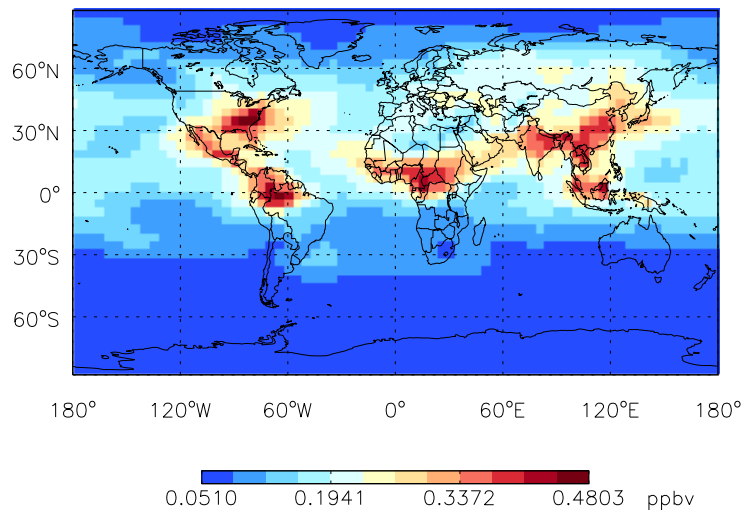
Tracer Map @ 500 hPa - C3H8



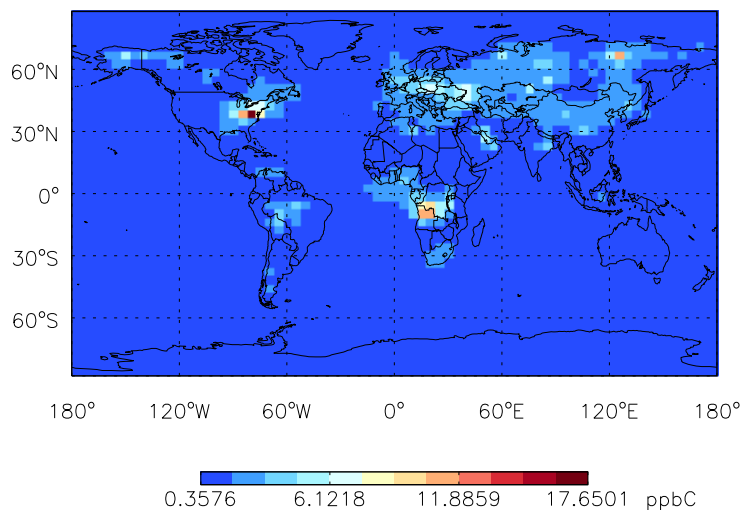
Tracer Map @ Surface - CH2O



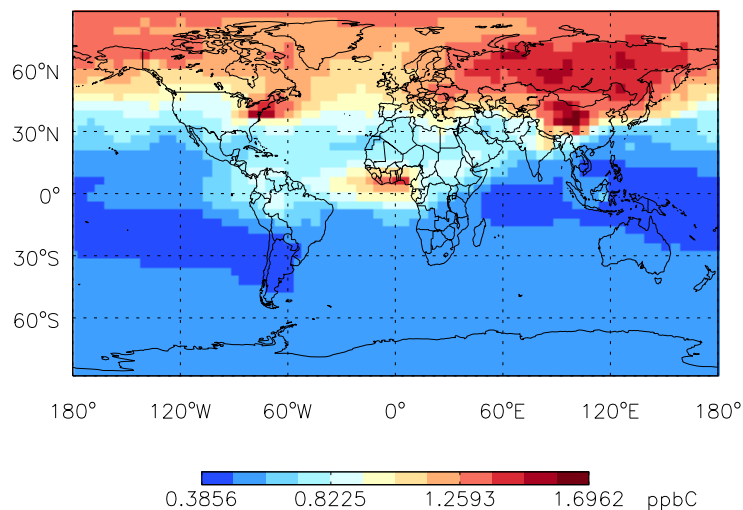
Tracer Map @ 500 hPa - CH2O



Tracer Map @ Surface - C2H6



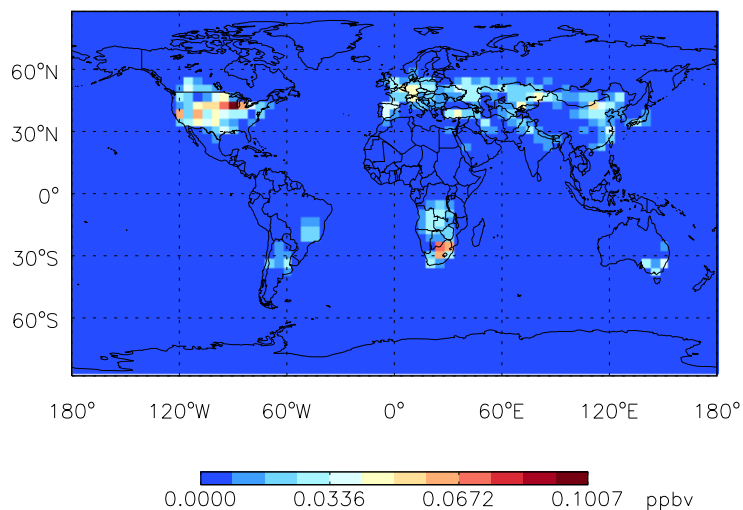
Tracer Map @ 500 hPa - C2H6



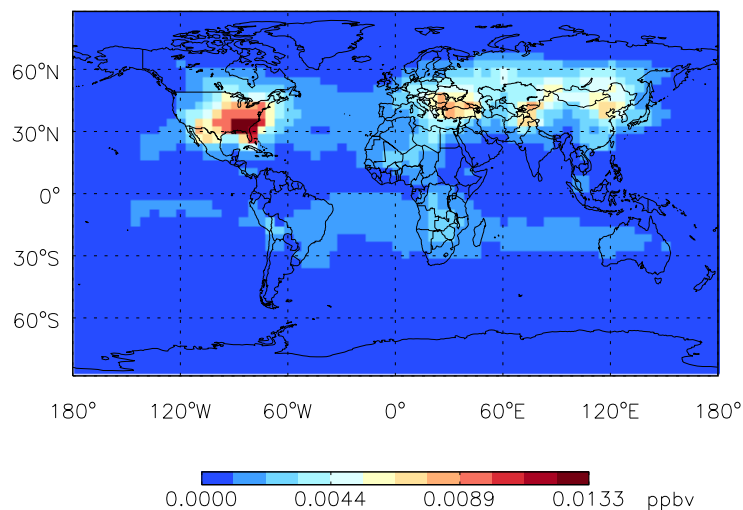
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

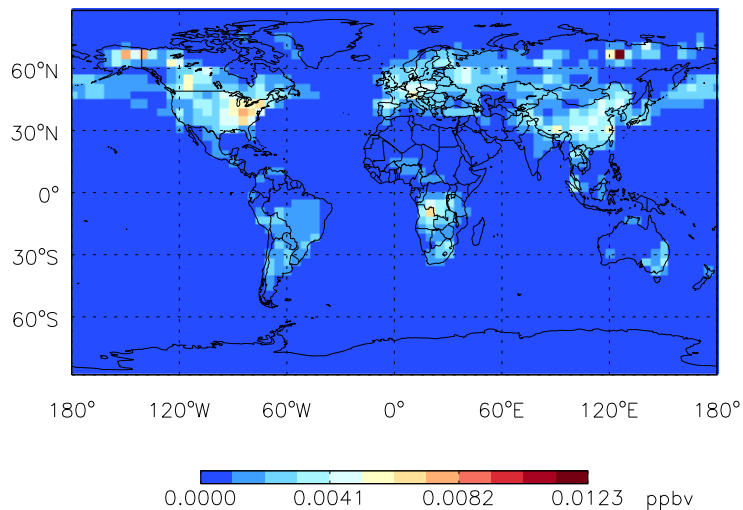
Tracer Map @ Surface – N2O5



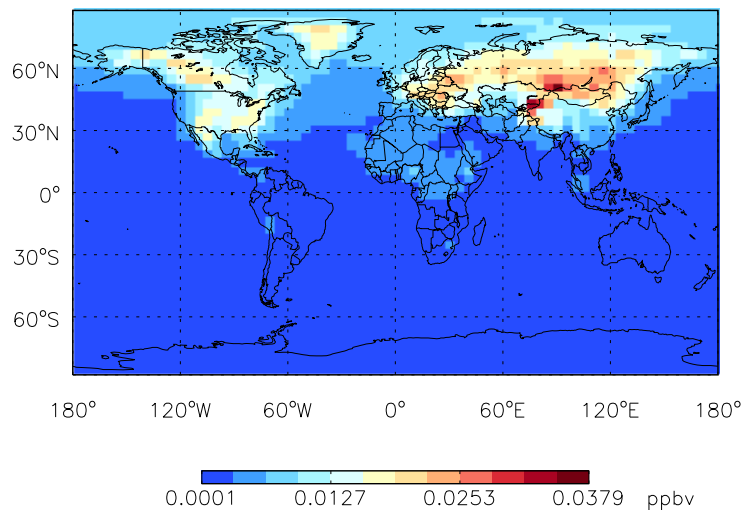
Tracer Map @ 500 hPa – N2O5



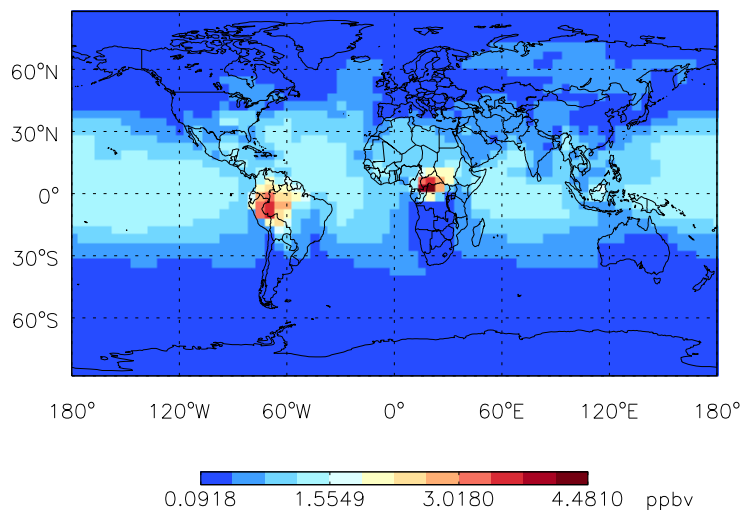
Tracer Map @ Surface – HNO4



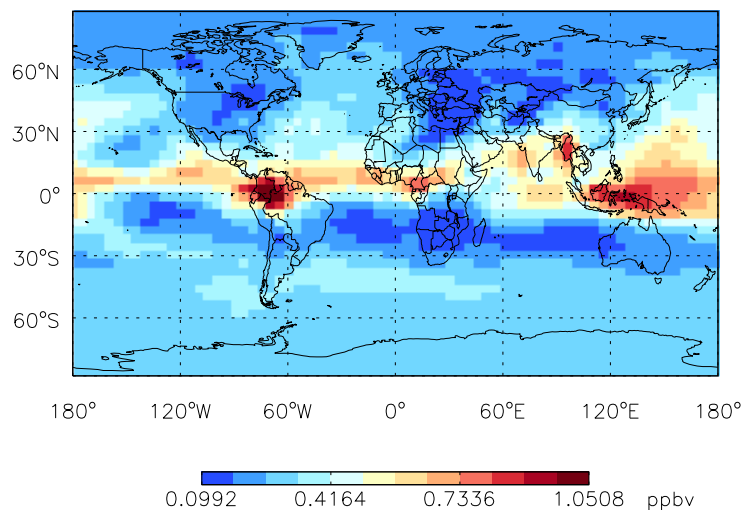
Tracer Map @ 500 hPa – HNO4



Tracer Map @ Surface – MP



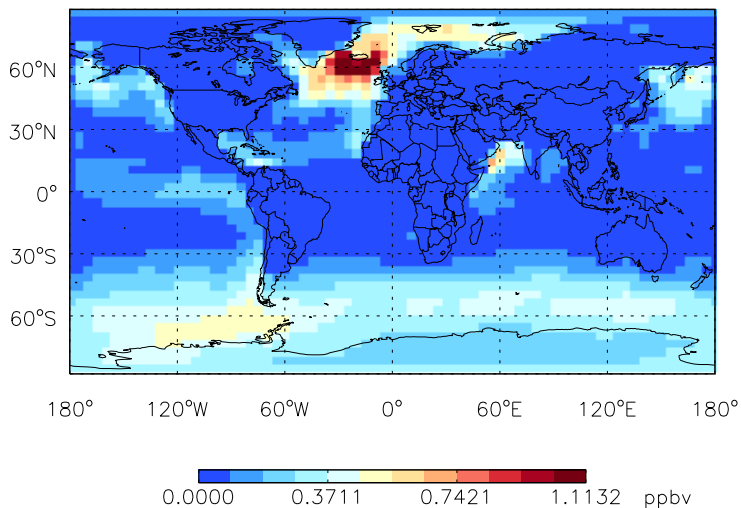
Tracer Map @ 500 hPa – MP



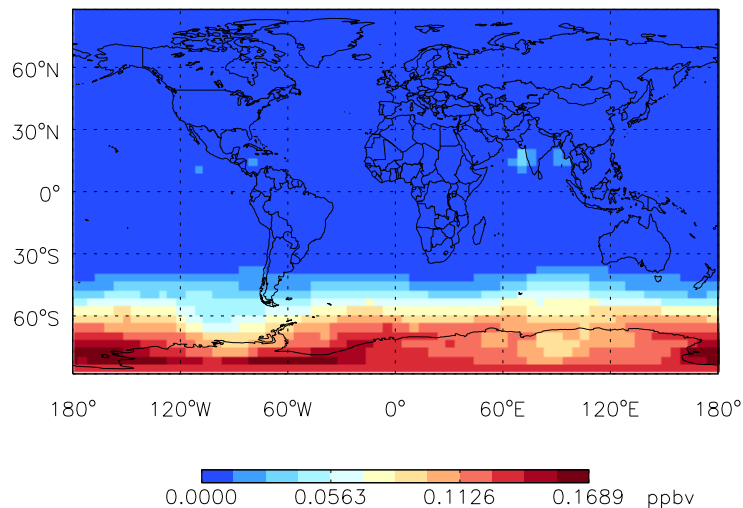
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

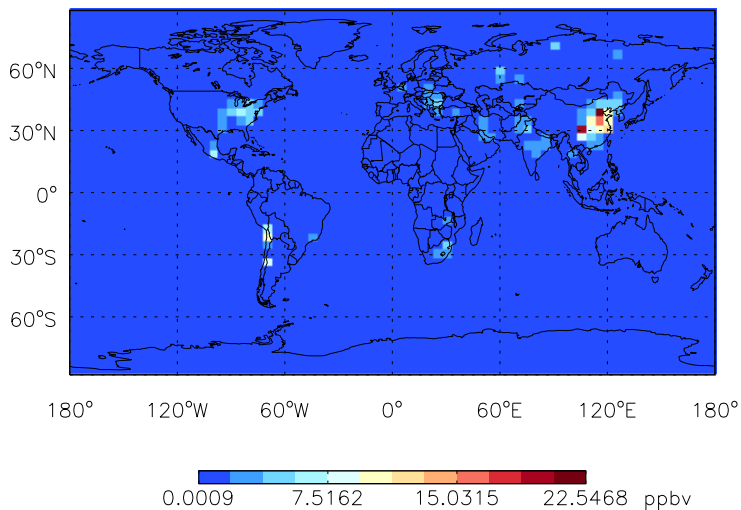
Tracer Map @ Surface – DMS



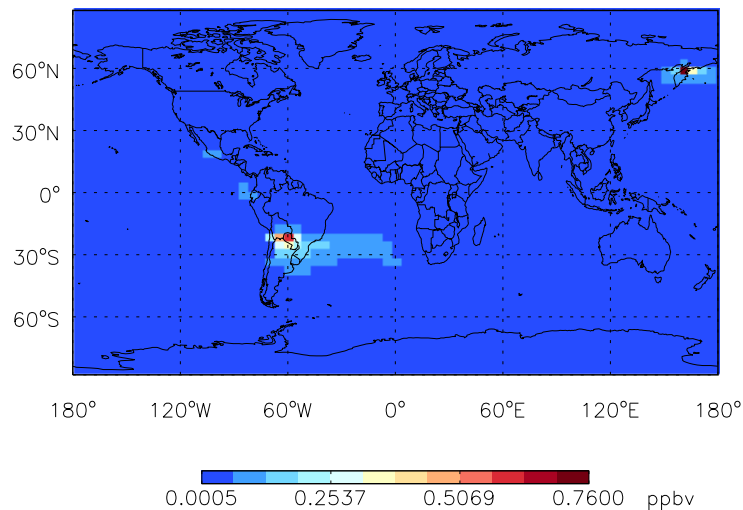
Tracer Map @ 500 hPa – DMS



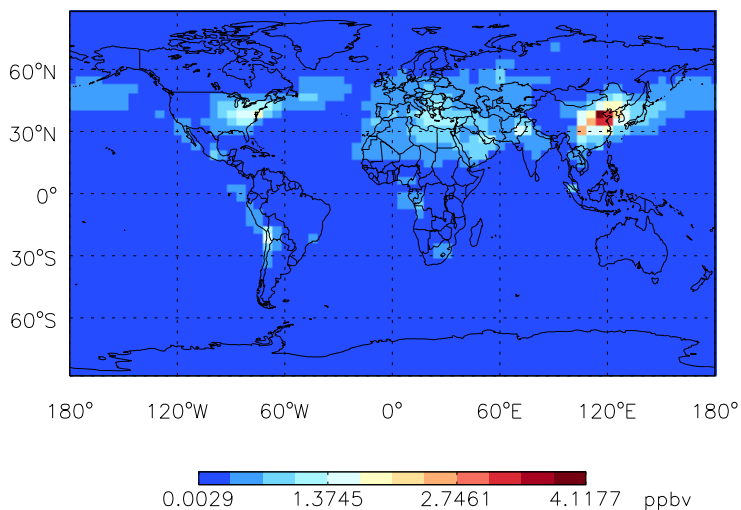
Tracer Map @ Surface – SO2



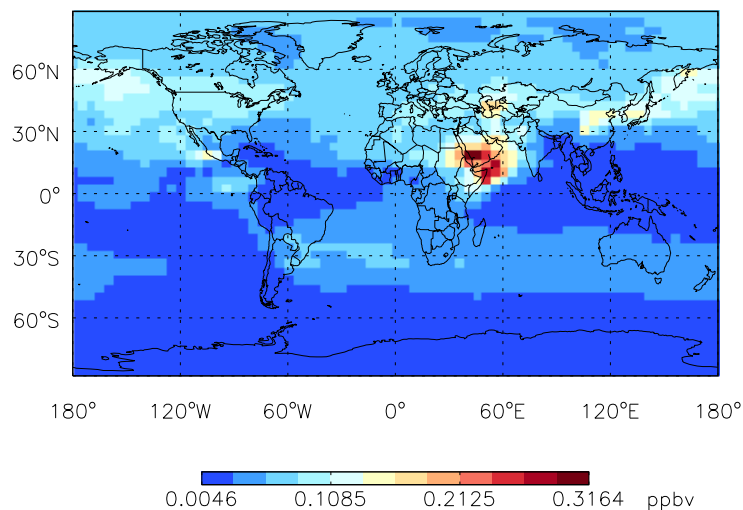
Tracer Map @ 500 hPa – SO2



Tracer Map @ Surface – SO4



Tracer Map @ 500 hPa – SO4

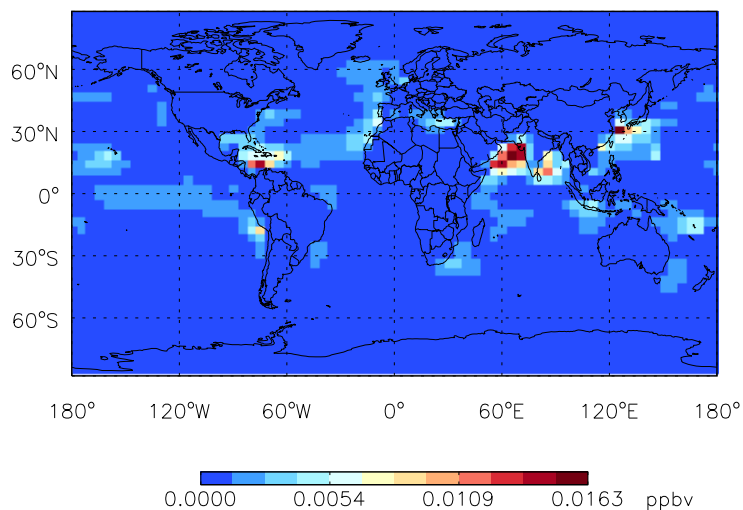




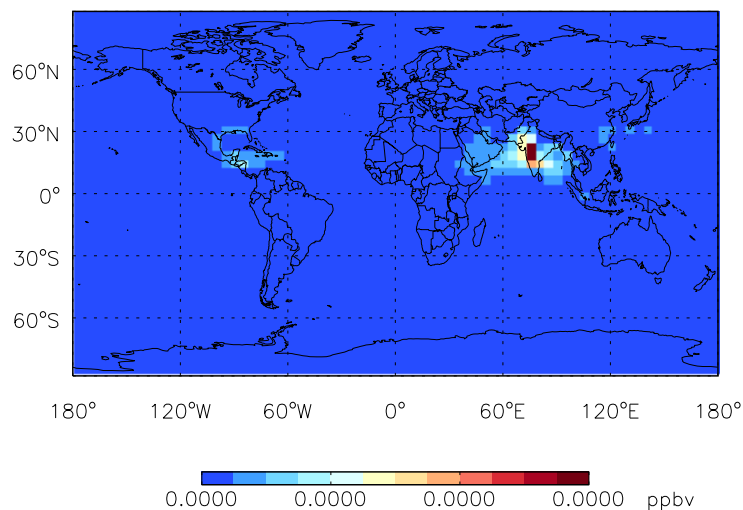
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

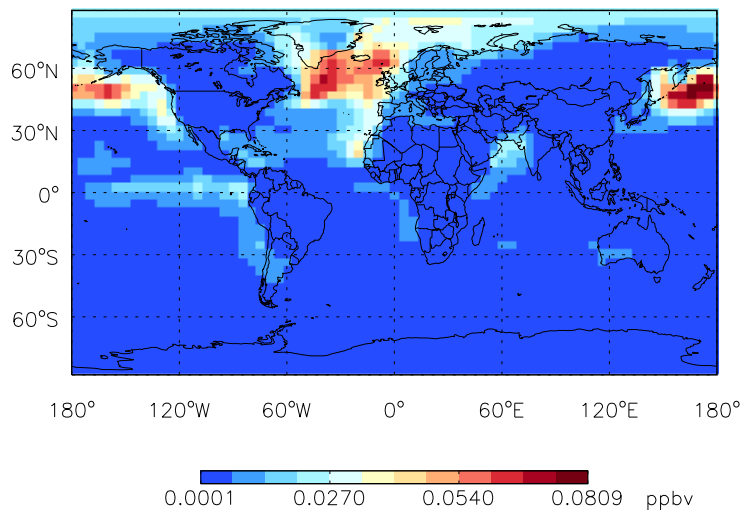
Tracer Map @ Surface - SO4s



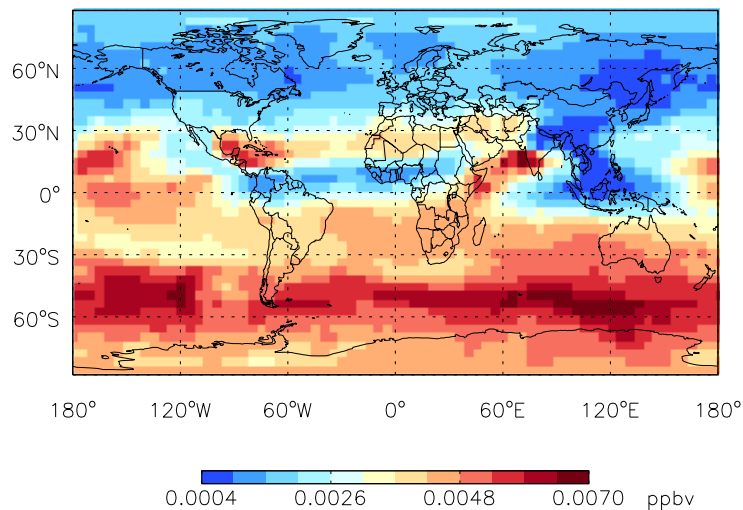
Tracer Map @ 500 hPa - SO4s



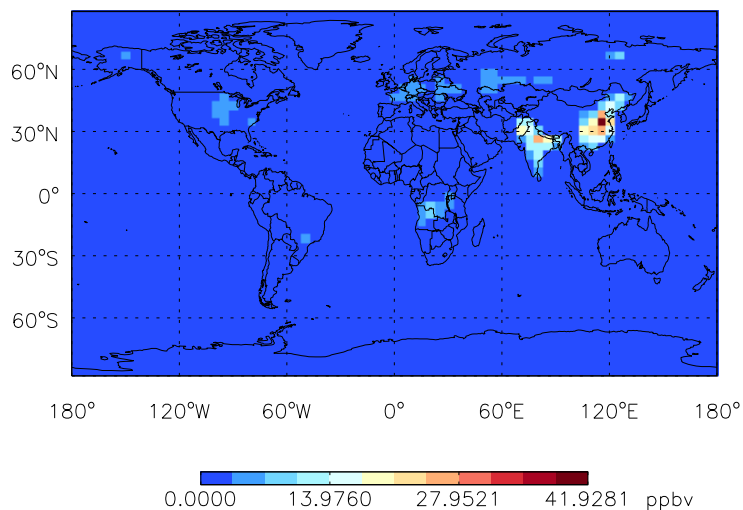
Tracer Map @ Surface - MSA



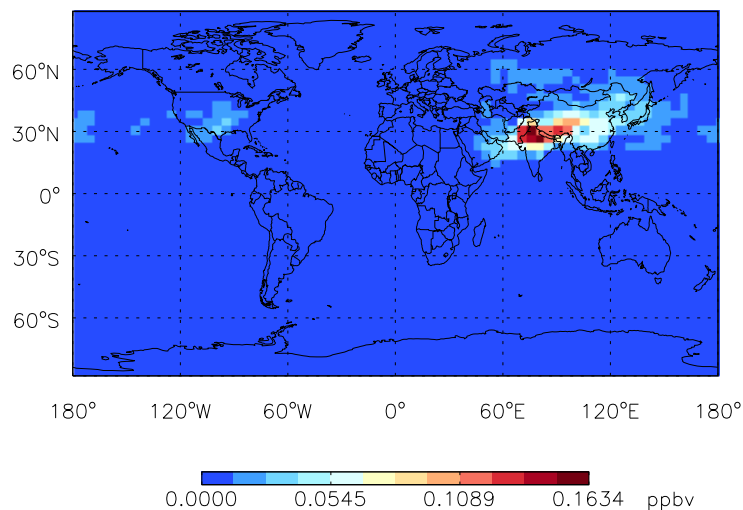
Tracer Map @ 500 hPa - MSA



Tracer Map @ Surface - NH3



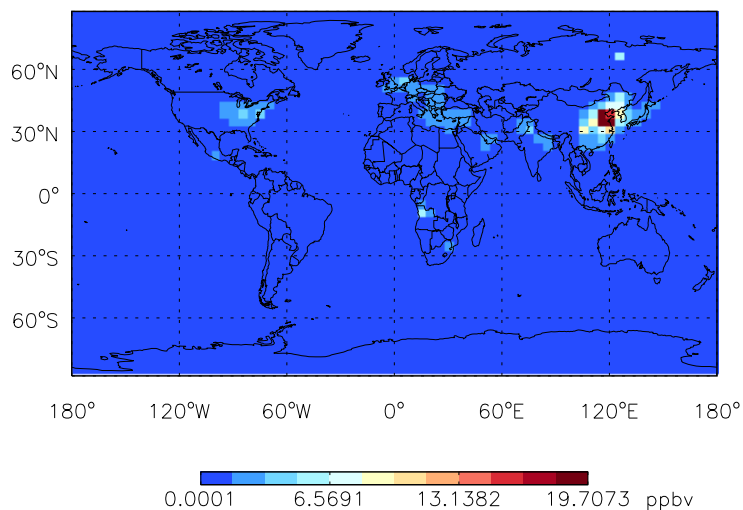
Tracer Map @ 500 hPa - NH3



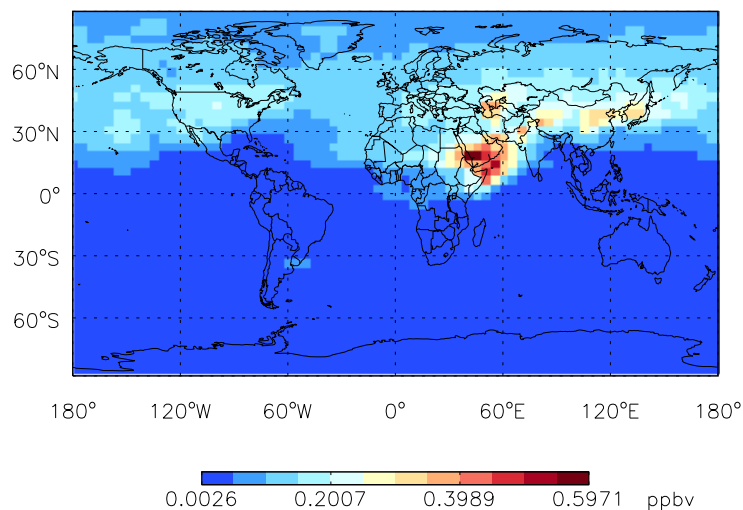
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

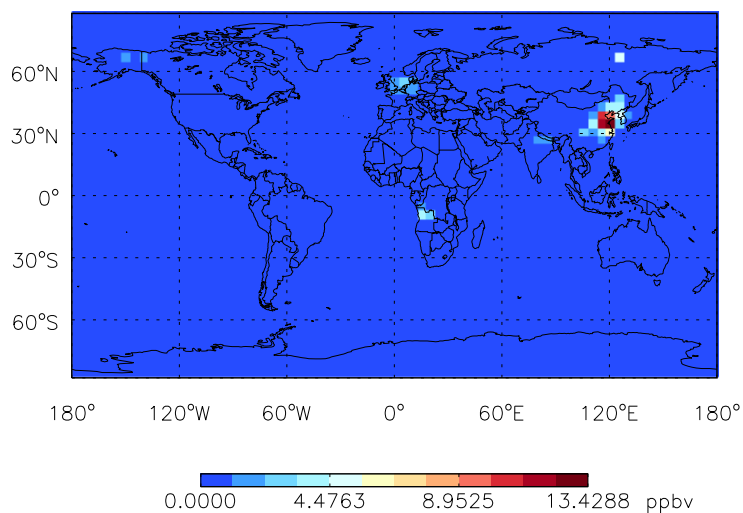
Tracer Map @ Surface – NH4



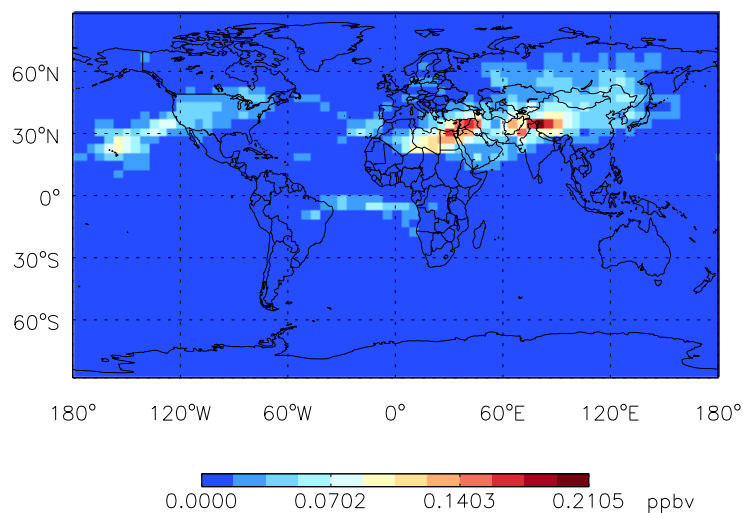
Tracer Map @ 500 hPa – NH4



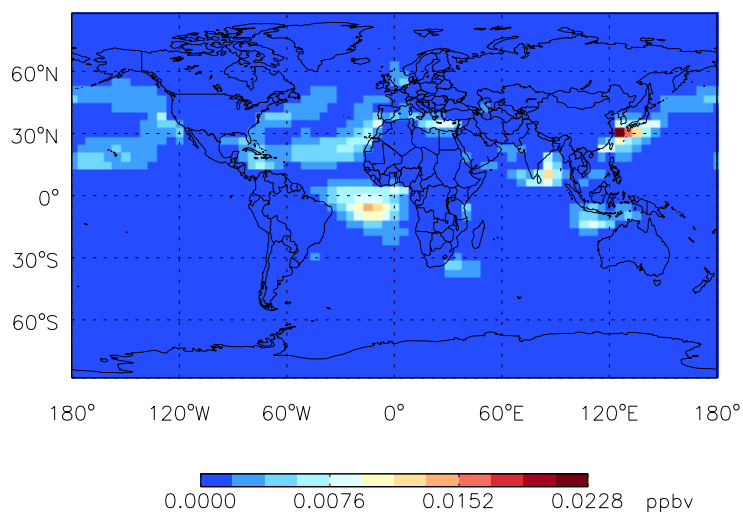
Tracer Map @ Surface – NIT



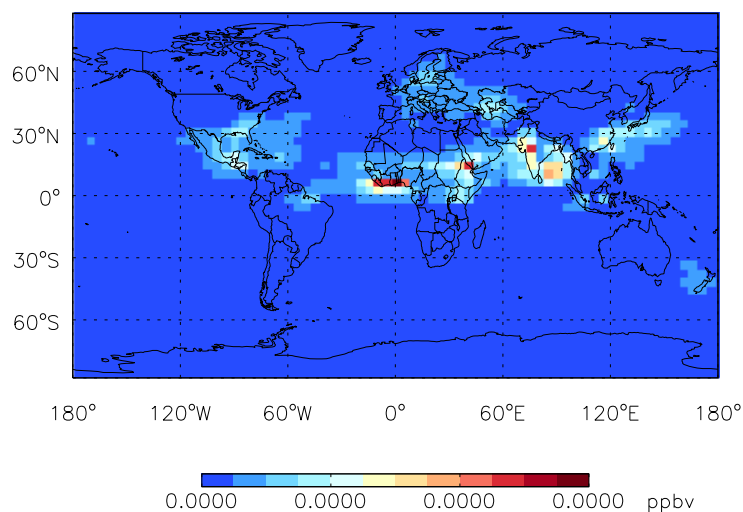
Tracer Map @ 500 hPa – NIT



Tracer Map @ Surface – NITs



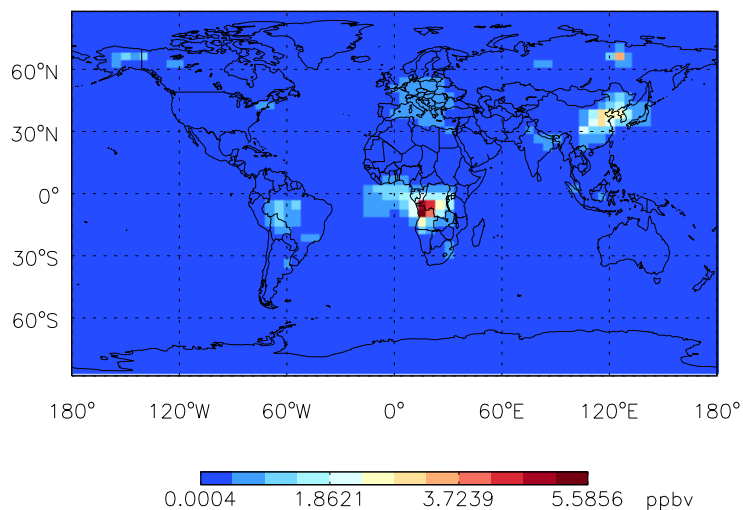
Tracer Map @ 500 hPa – NITs



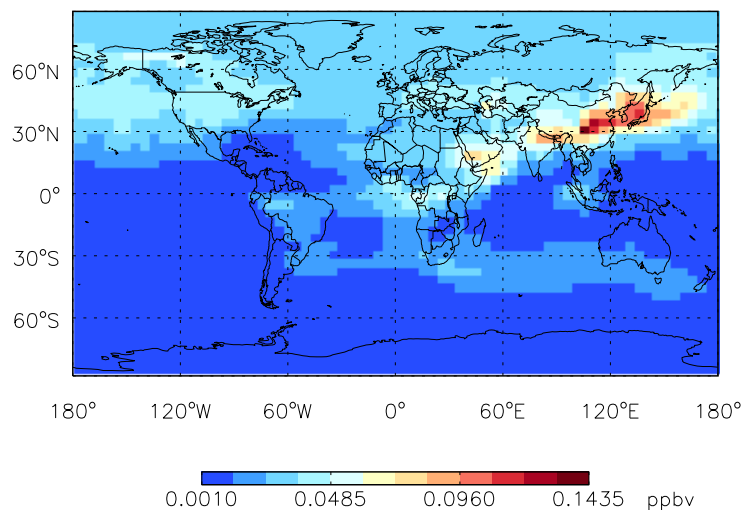
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

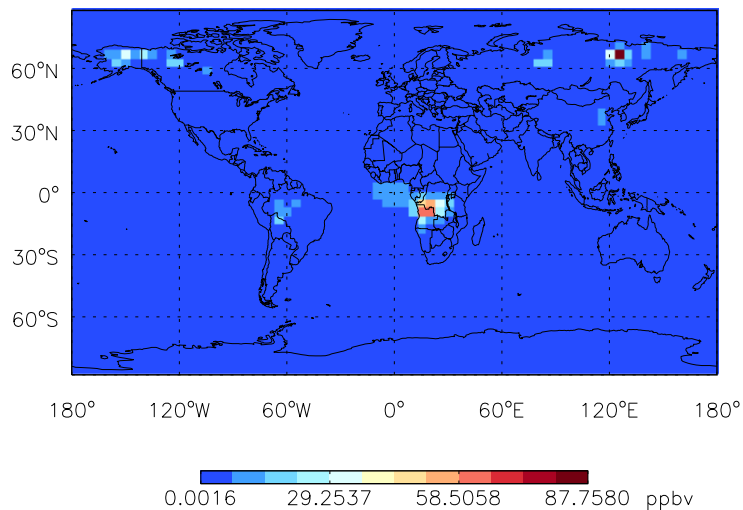
Tracer Map @ Surface – BCPI



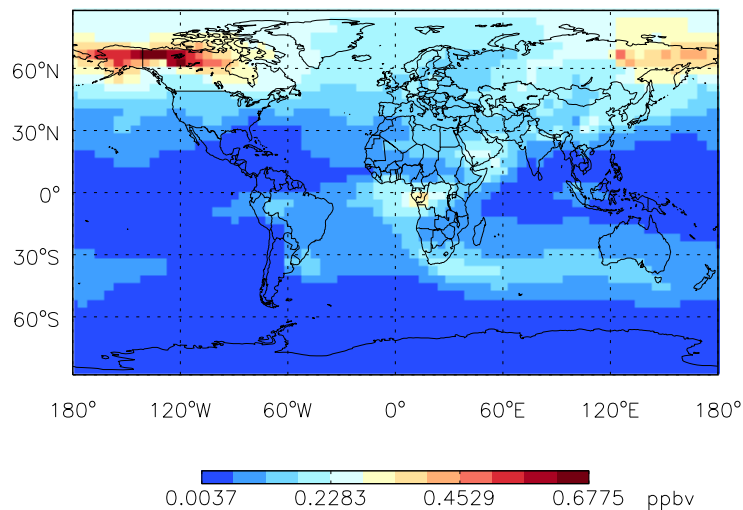
Tracer Map @ 500 hPa – BCPI



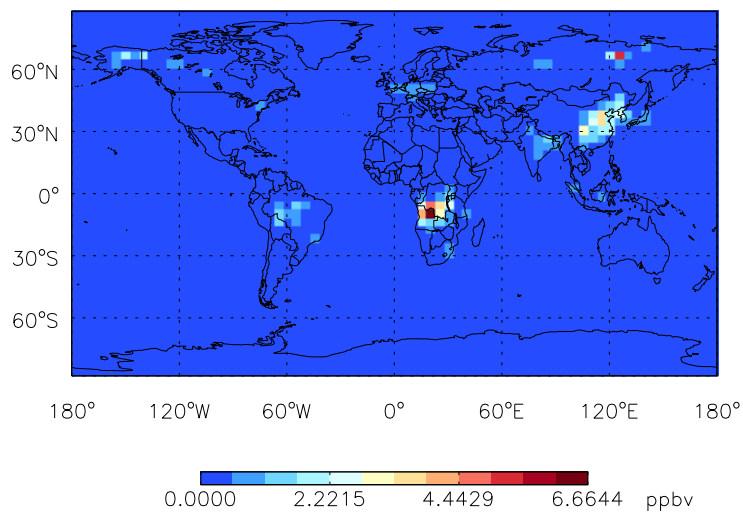
Tracer Map @ Surface – OCPI



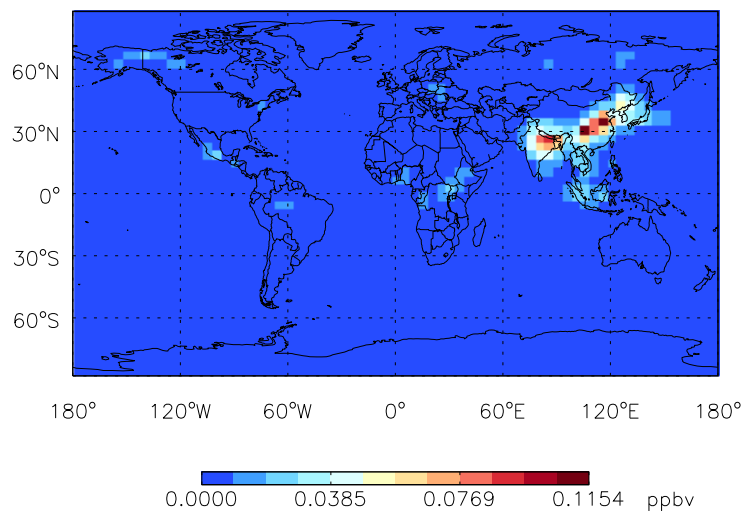
Tracer Map @ 500 hPa – OCPI



Tracer Map @ Surface – BCPO



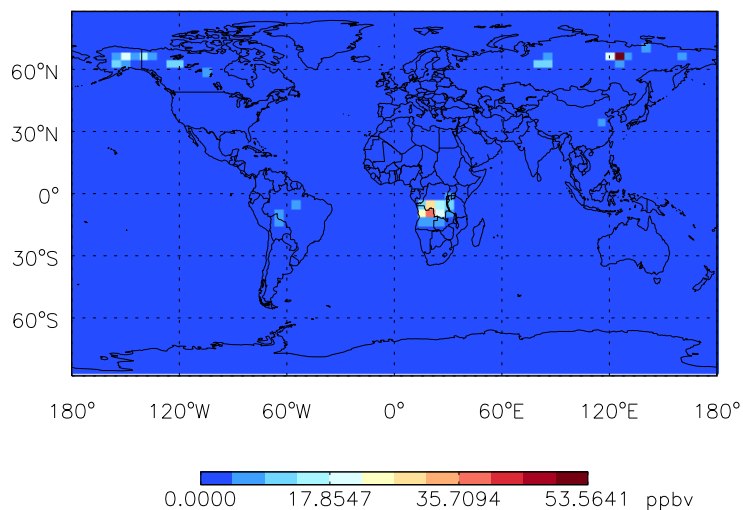
Tracer Map @ 500 hPa – BCPO



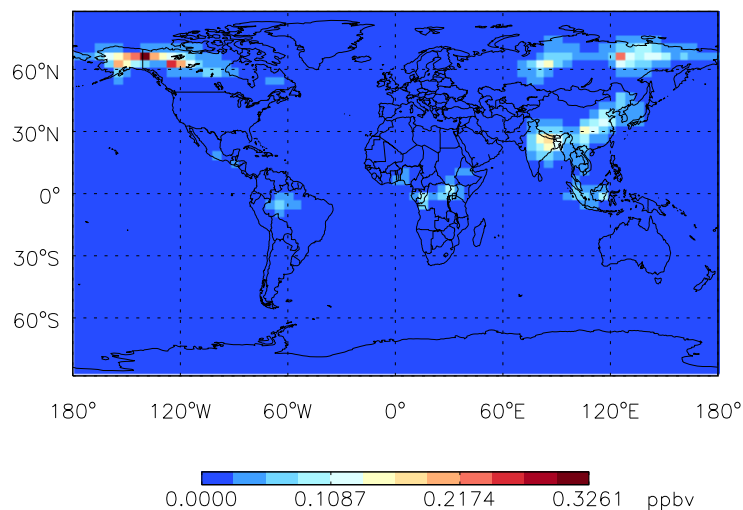
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

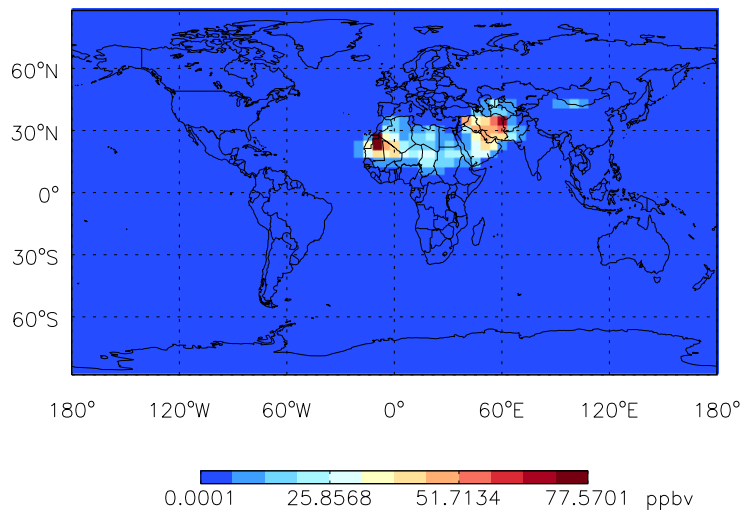
Tracer Map @ Surface – OCPO



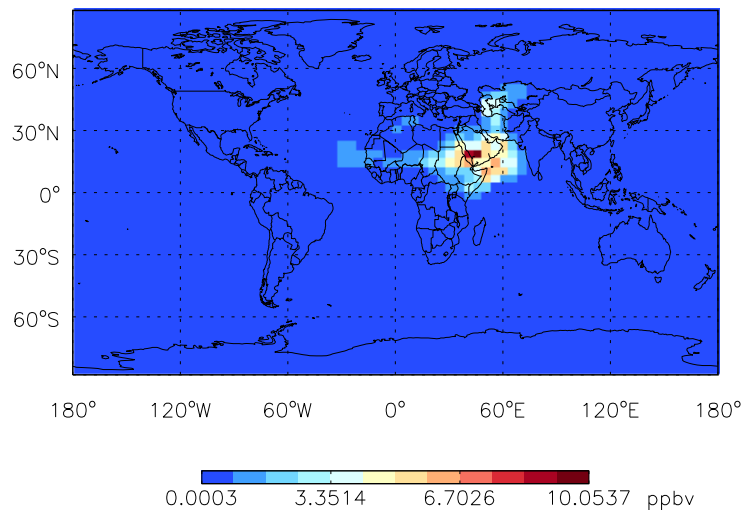
Tracer Map @ 500 hPa – OCPO



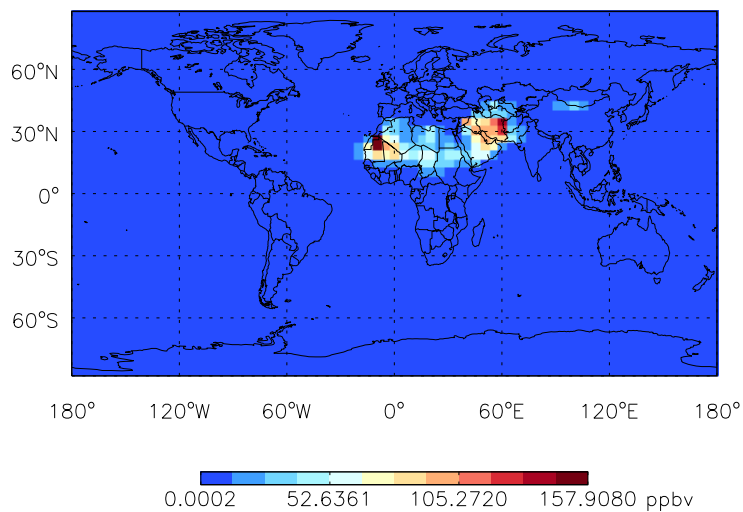
Tracer Map @ Surface – DST1



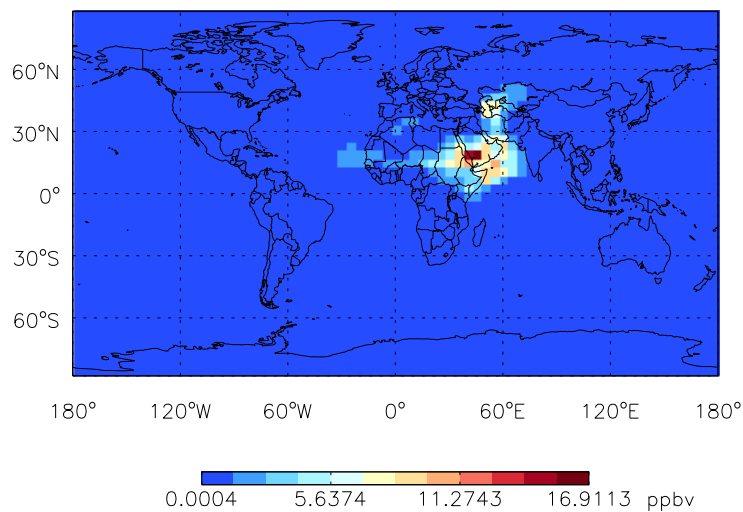
Tracer Map @ 500 hPa – DST1



Tracer Map @ Surface – DST2



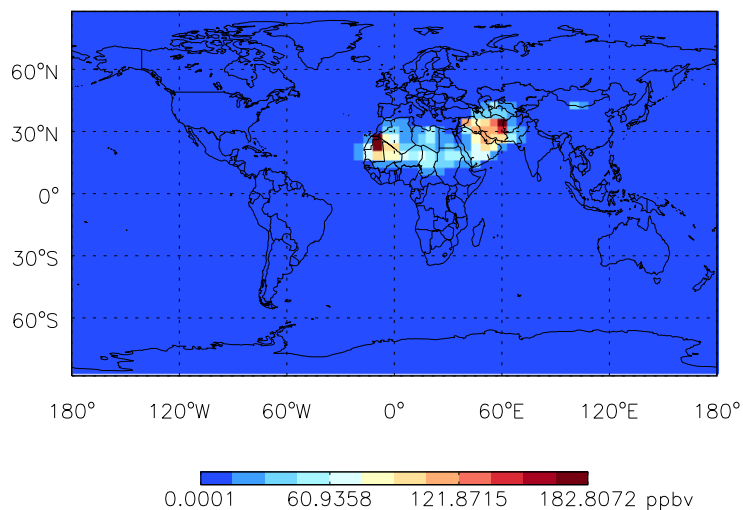
Tracer Map @ 500 hPa – DST2



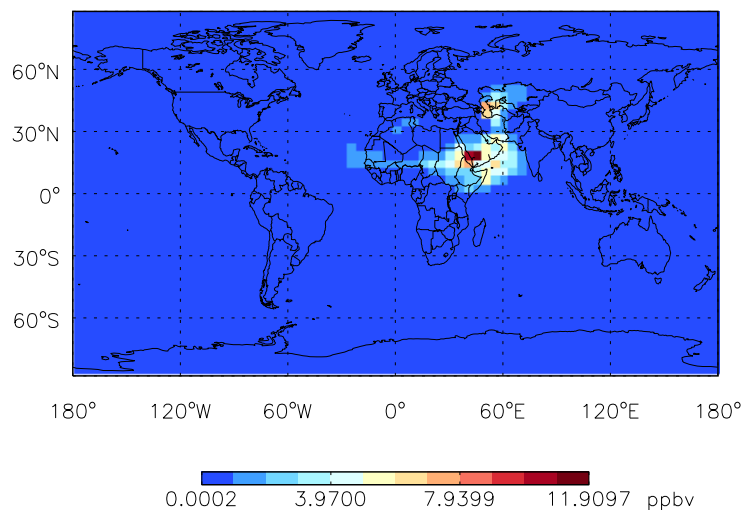
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

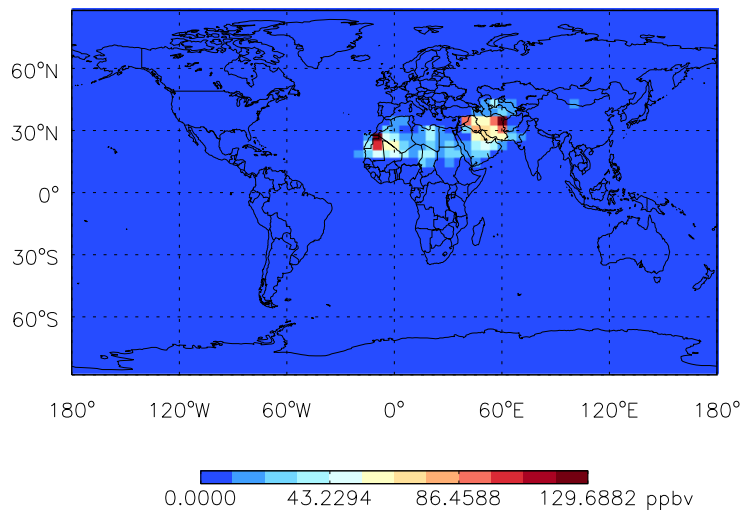
Tracer Map @ Surface – DST3



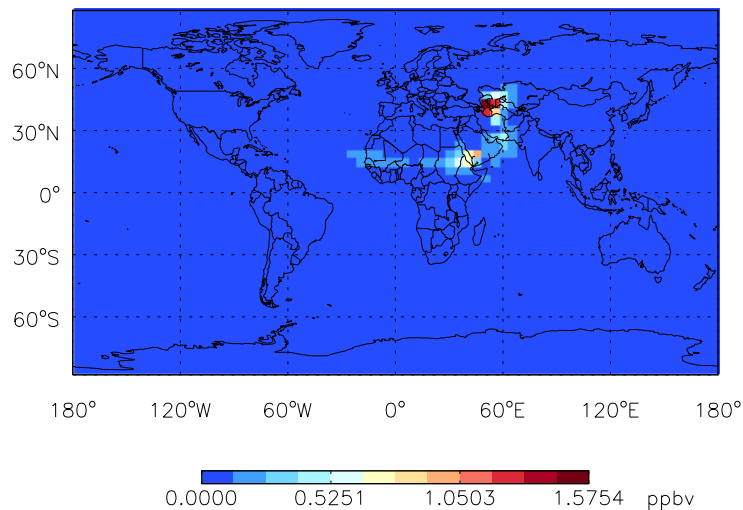
Tracer Map @ 500 hPa – DST3



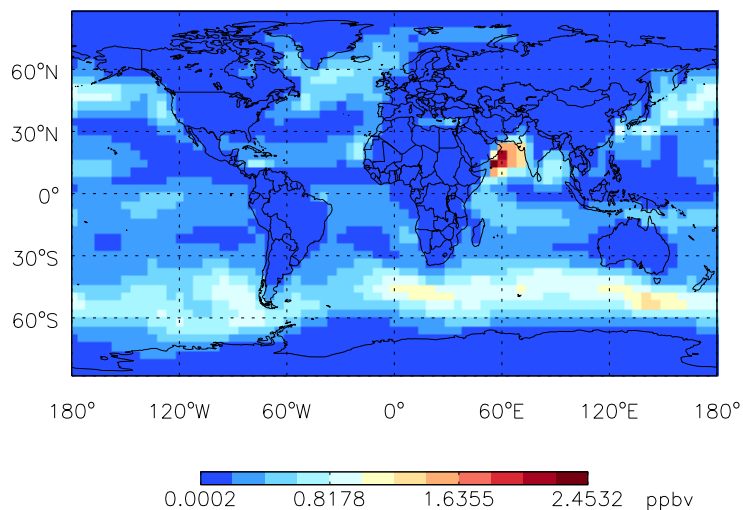
Tracer Map @ Surface – DST4



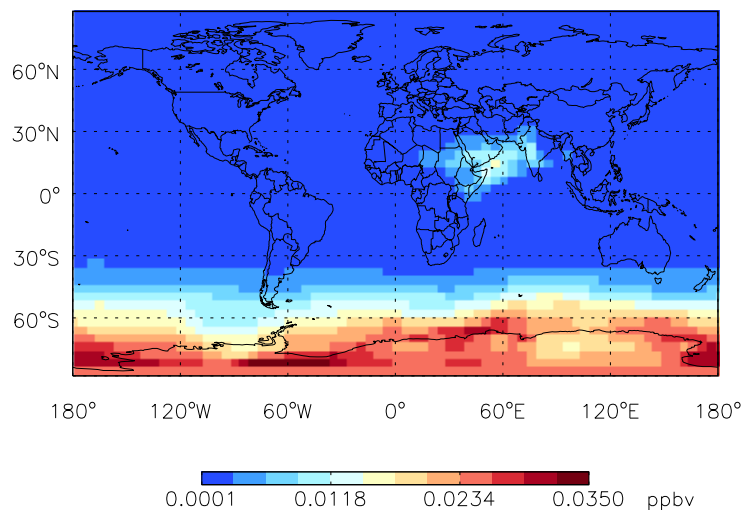
Tracer Map @ 500 hPa – DST4



Tracer Map @ Surface – SALA



Tracer Map @ 500 hPa – SALA

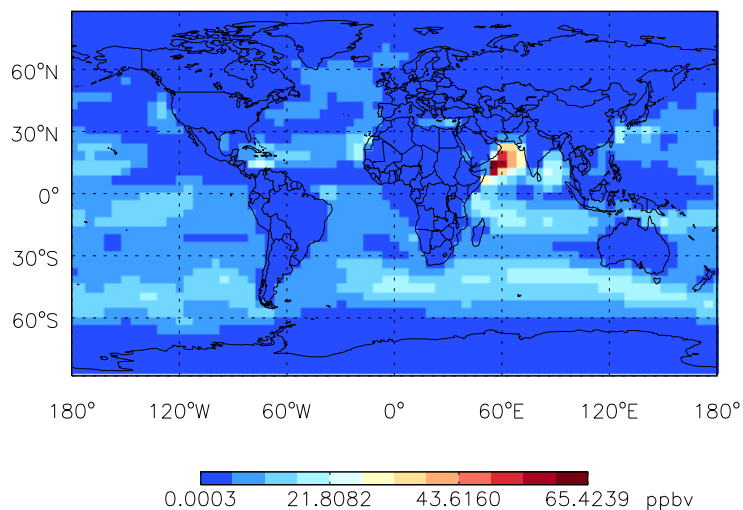




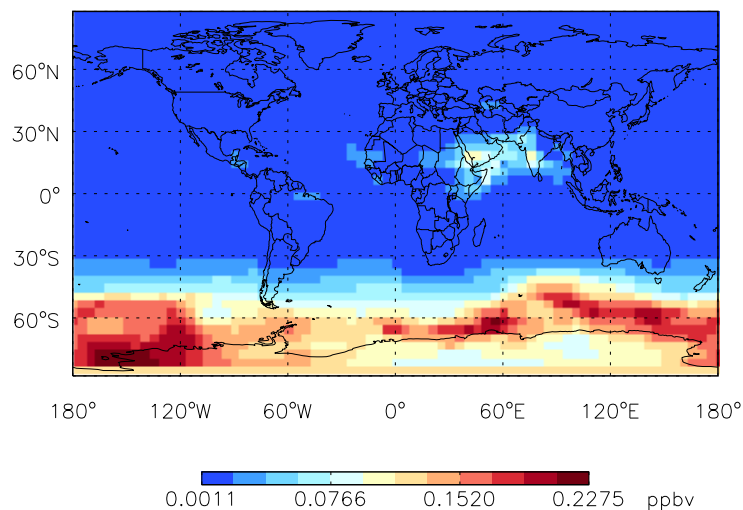
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

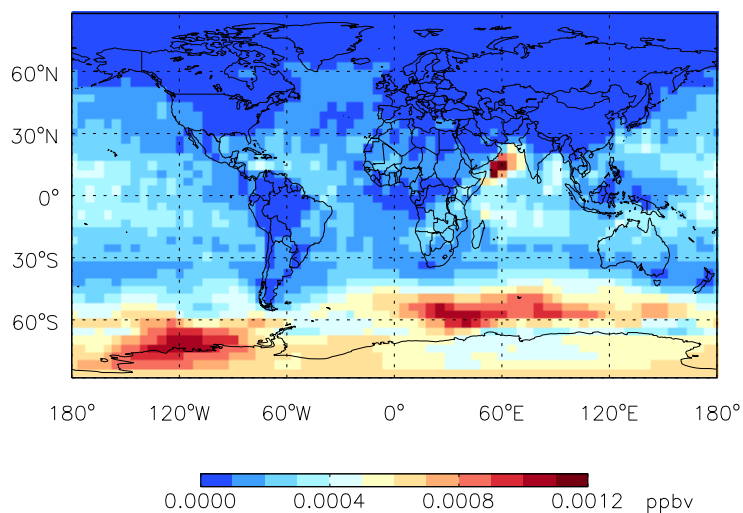
Tracer Map @ Surface – SALC



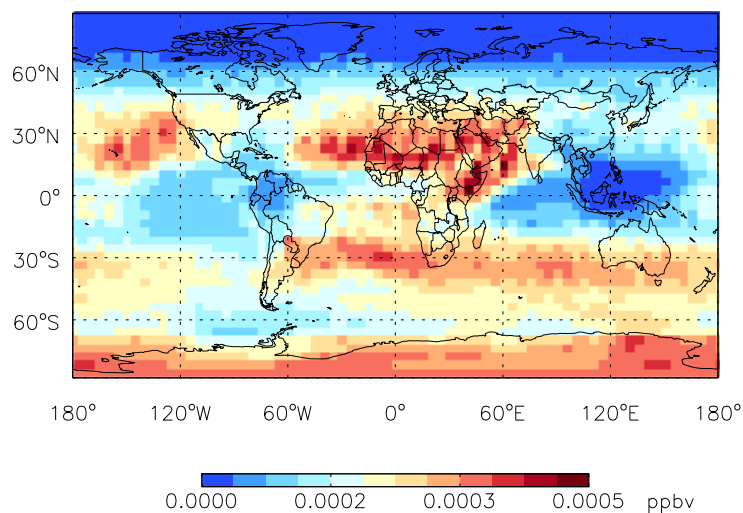
Tracer Map @ 500 hPa – SALC



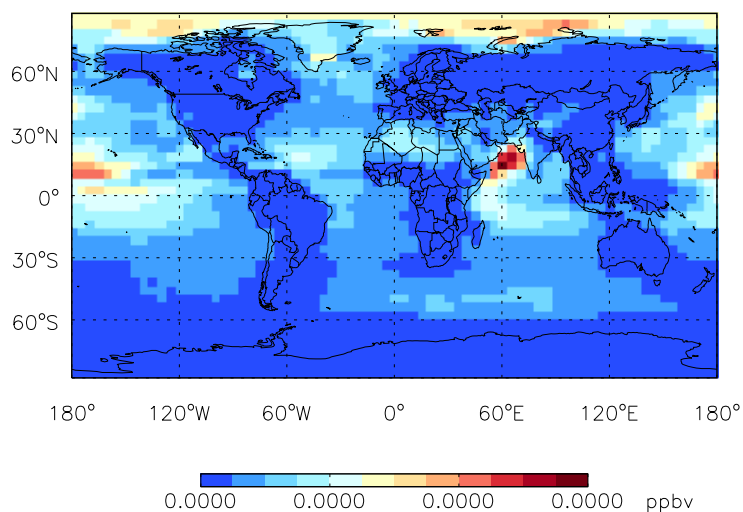
Tracer Map @ Surface – Br2



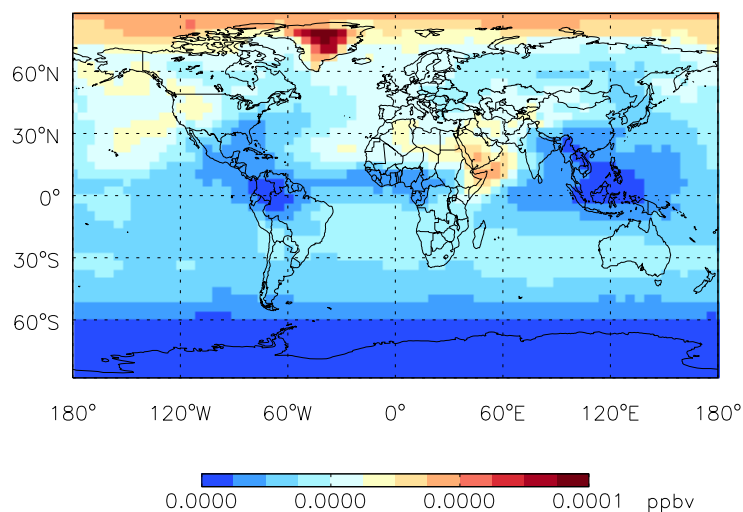
Tracer Map @ 500 hPa – Br2



Tracer Map @ Surface – Br



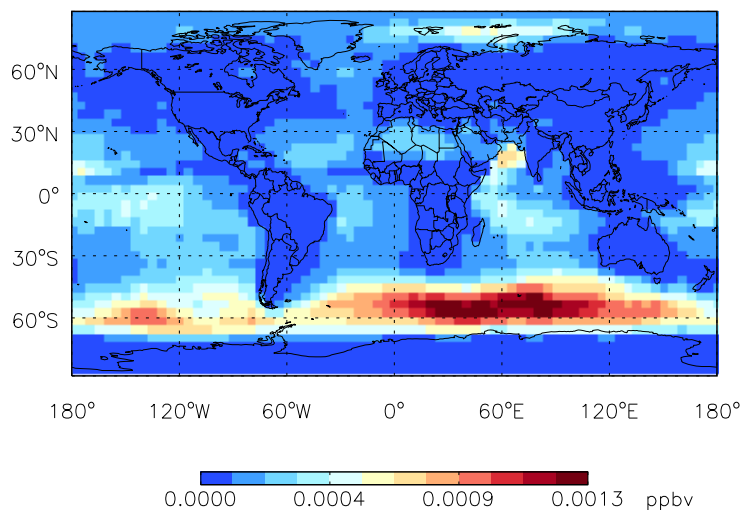
Tracer Map @ 500 hPa – Br



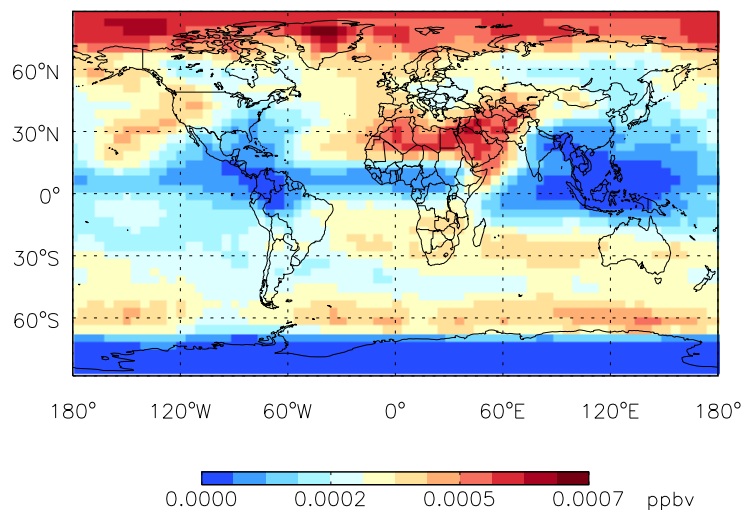
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

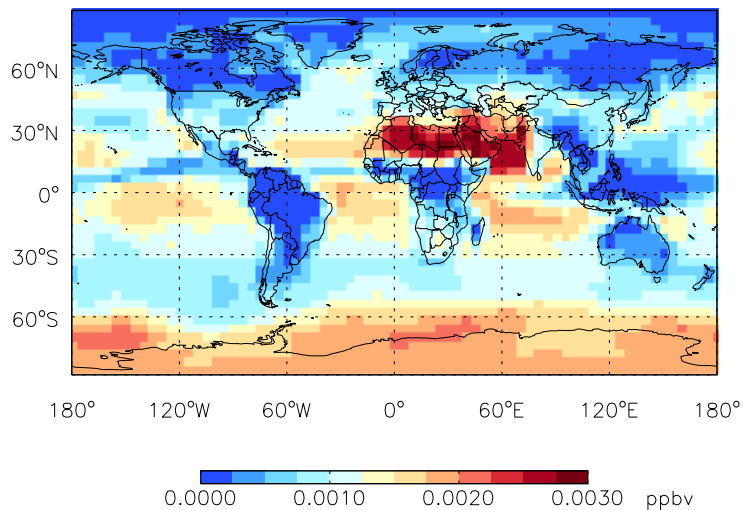
Tracer Map @ Surface – BrO



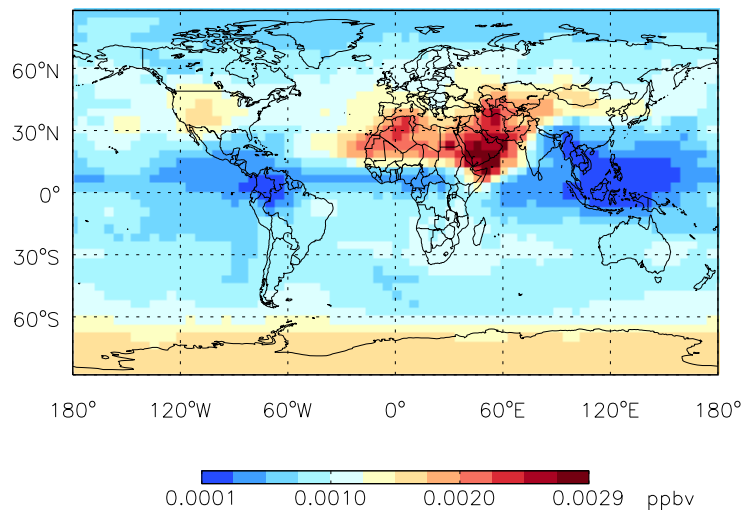
Tracer Map @ 500 hPa – BrO



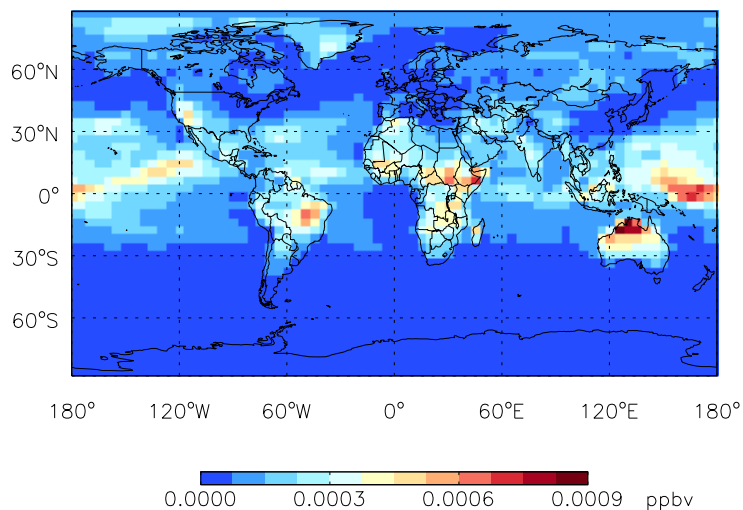
Tracer Map @ Surface – HOBr



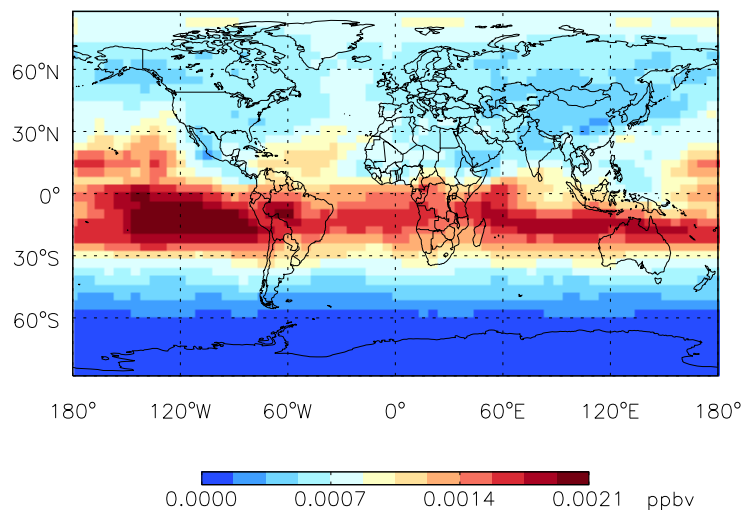
Tracer Map @ 500 hPa – HOBr



Tracer Map @ Surface – HBr



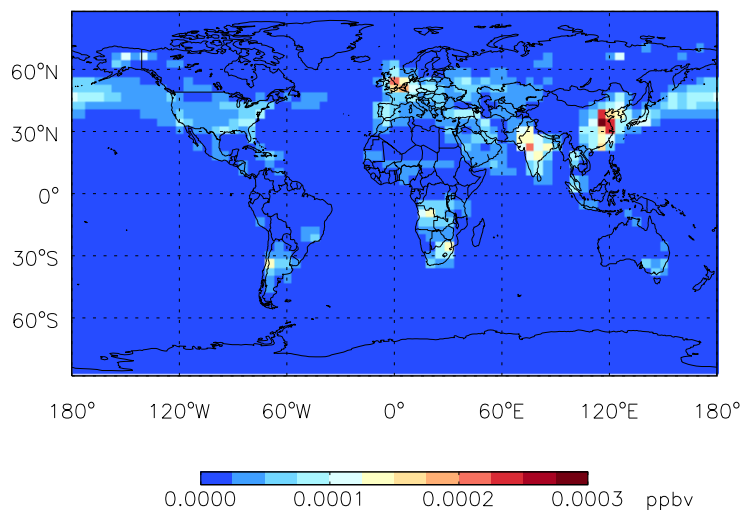
Tracer Map @ 500 hPa – HBr



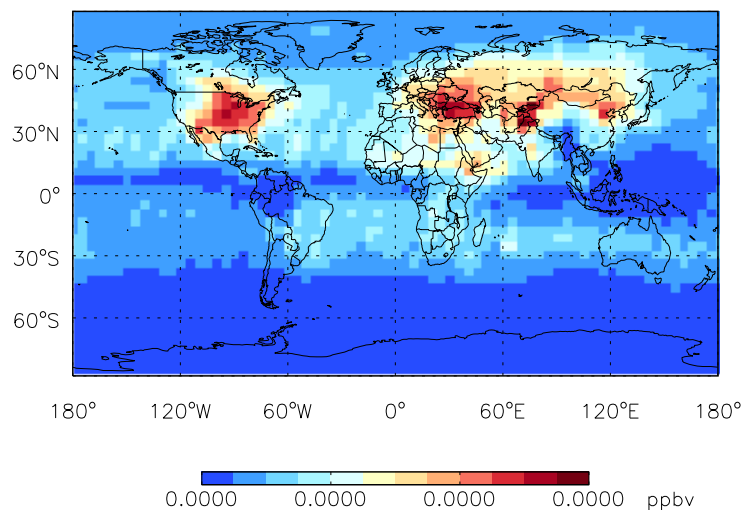
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

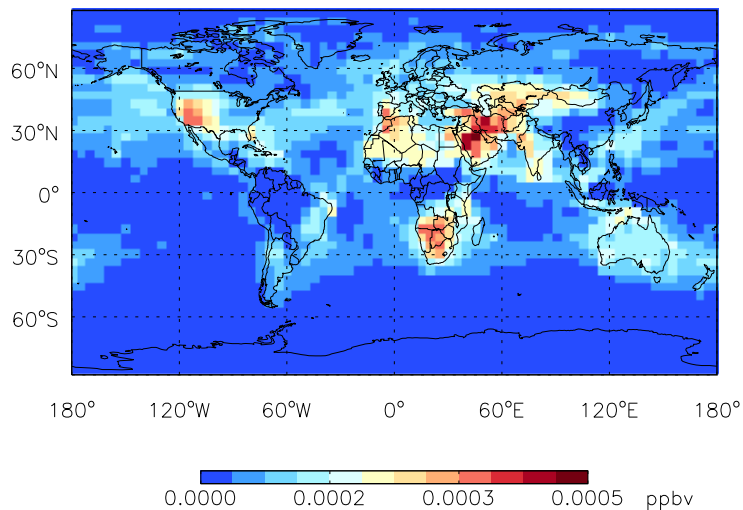
Tracer Map @ Surface – BrNO2



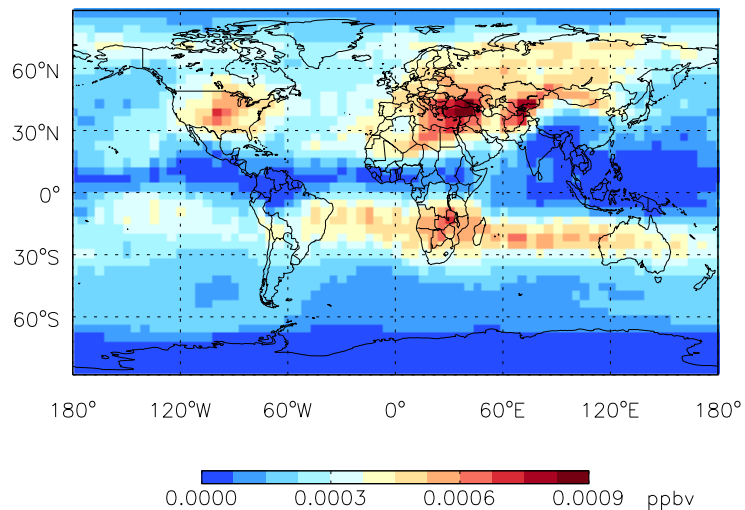
Tracer Map @ 500 hPa – BrNO2



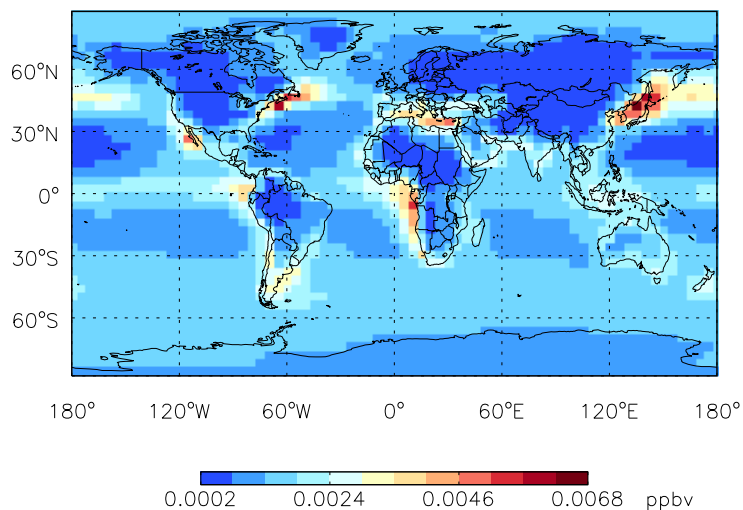
Tracer Map @ Surface – BrNO3



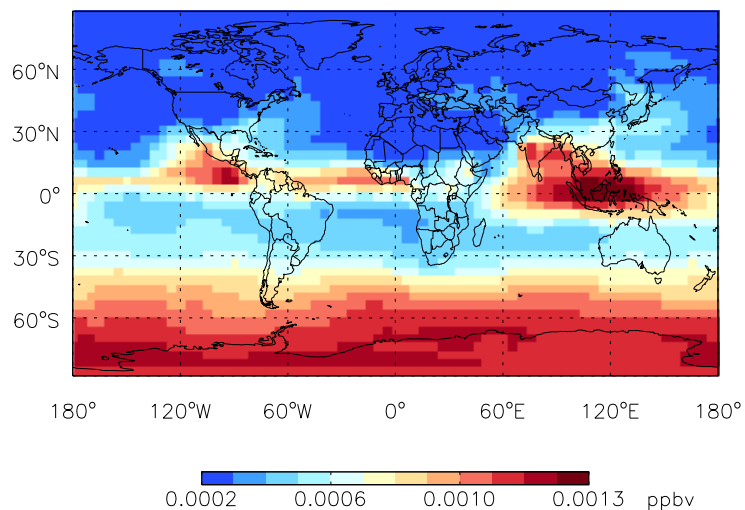
Tracer Map @ 500 hPa – BrNO3



Tracer Map @ Surface – CHBr3



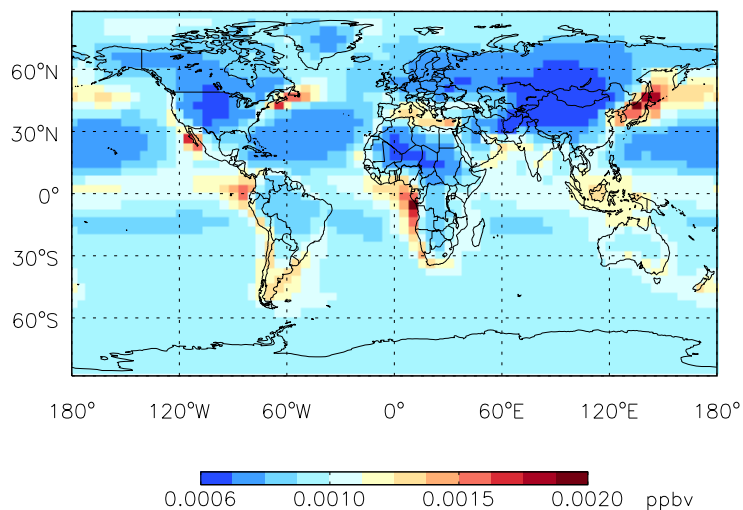
Tracer Map @ 500 hPa – CHBr3



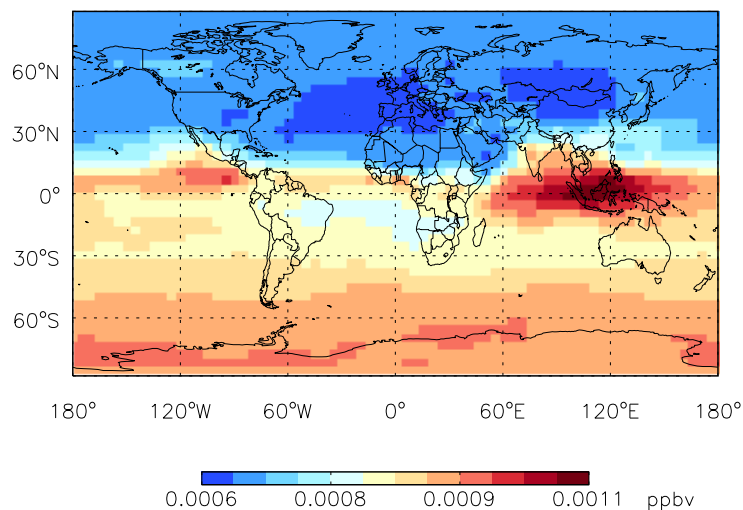
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

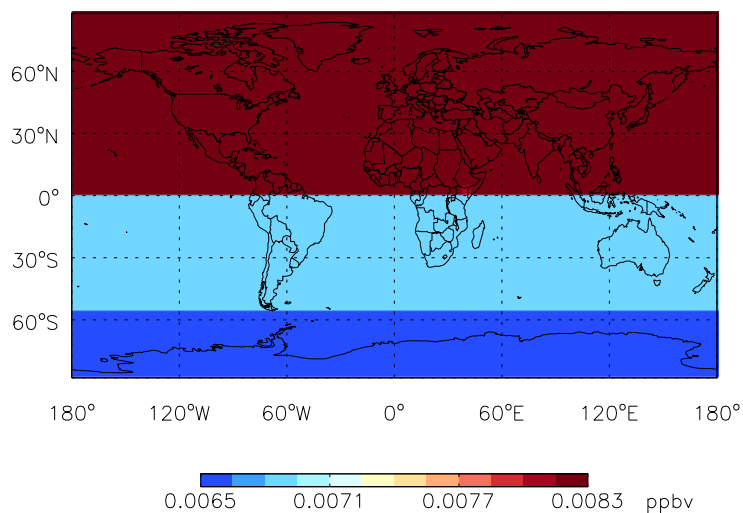
Tracer Map @ Surface - CH<sub>2</sub>Br<sub>2</sub>



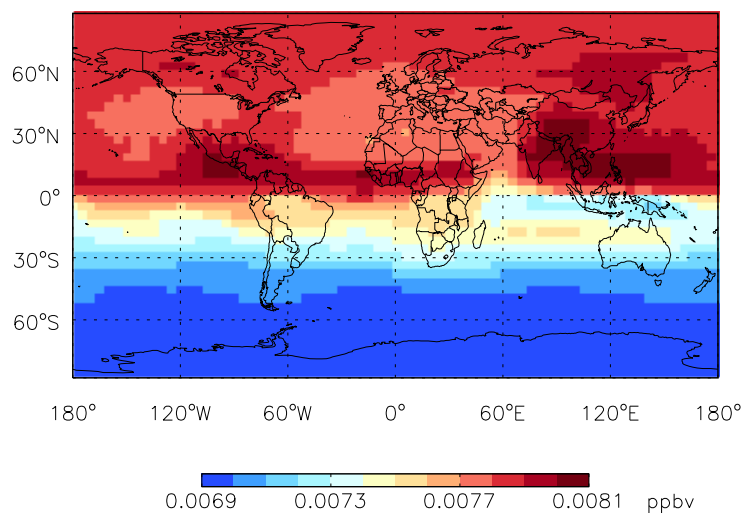
Tracer Map @ 500 hPa - CH<sub>2</sub>Br<sub>2</sub>



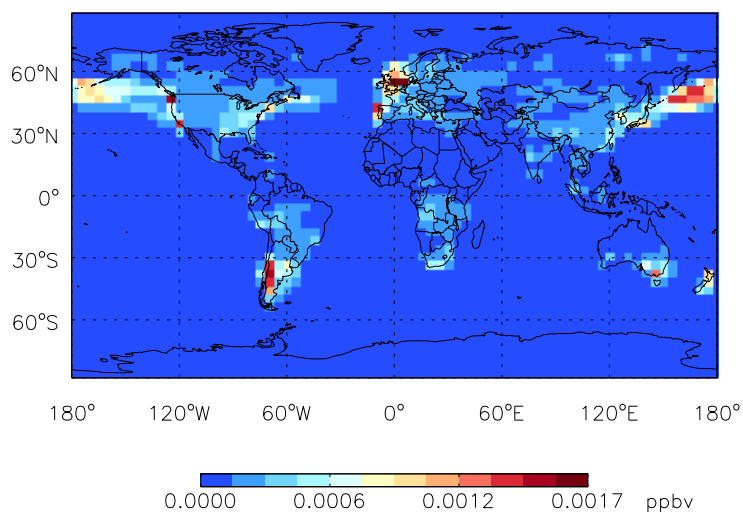
Tracer Map @ Surface - CH<sub>3</sub>Br



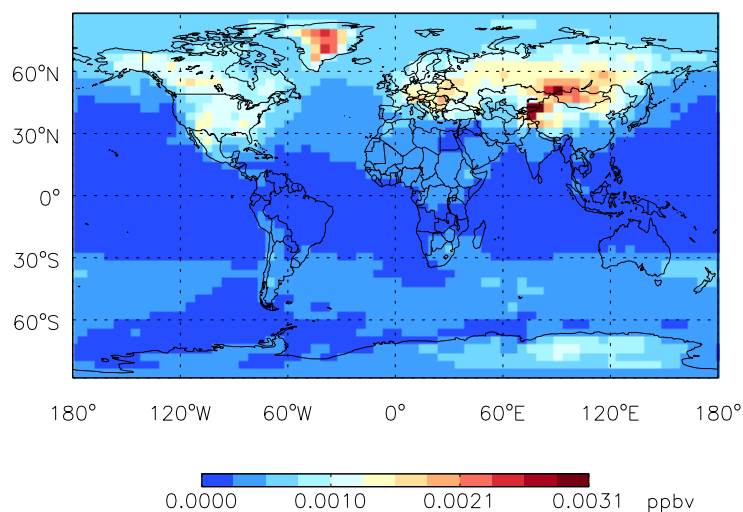
Tracer Map @ 500 hPa - CH<sub>3</sub>Br



Tracer Map @ Surface - MPN



Tracer Map @ 500 hPa - MPN

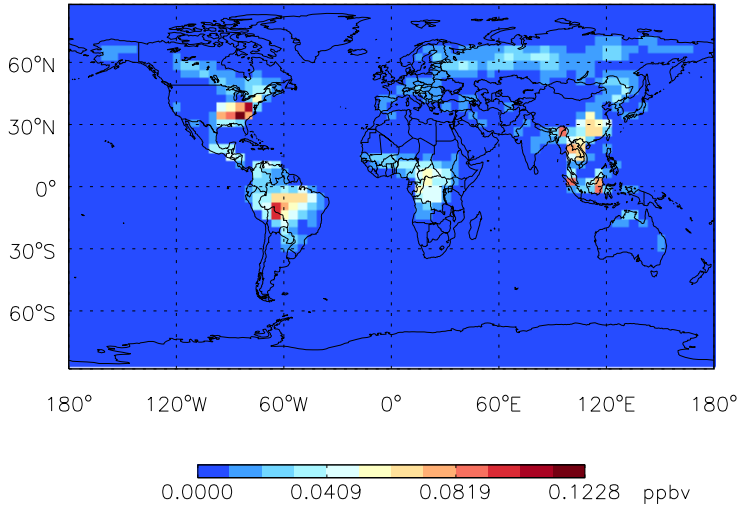




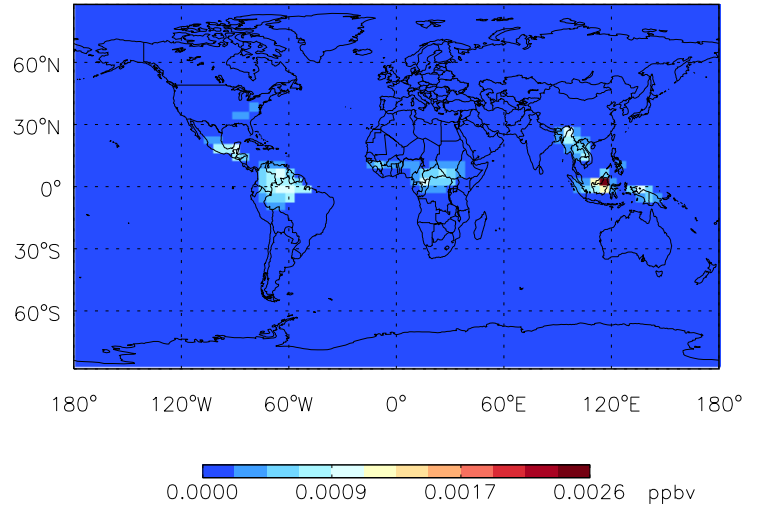
GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

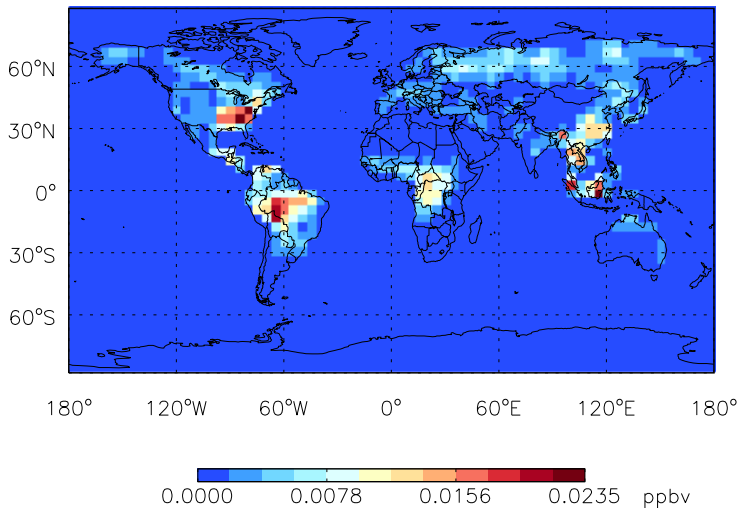
Tracer Map @ Surface – ISOPN



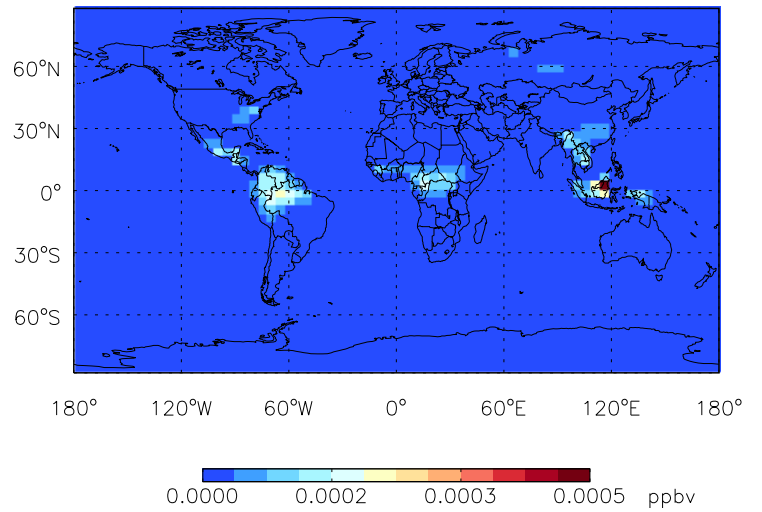
Tracer Map @ 500 hPa – ISOPN



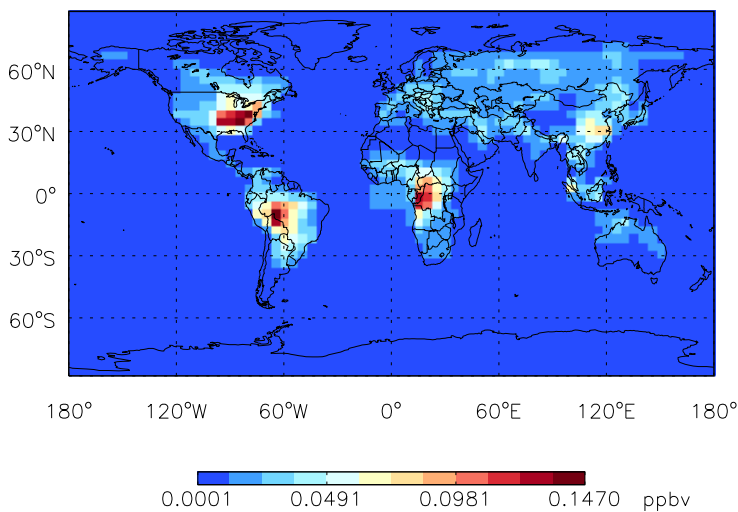
Tracer Map @ Surface – MOBA



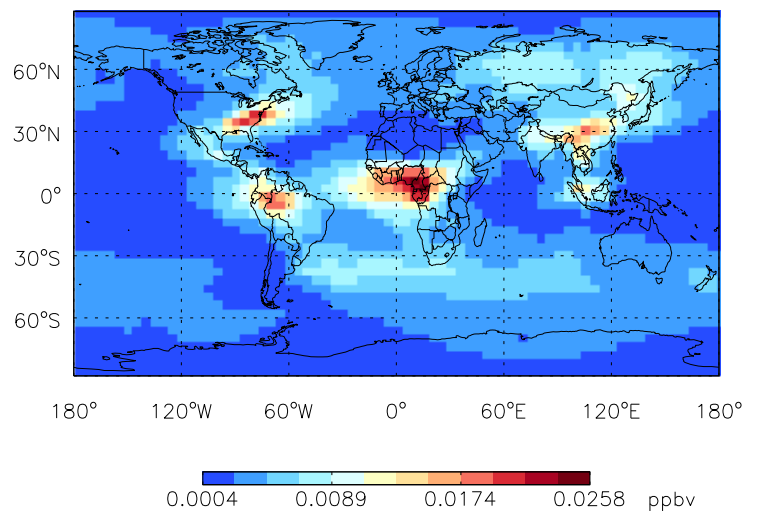
Tracer Map @ 500 hPa – MOBA



Tracer Map @ Surface – PROPNN



Tracer Map @ 500 hPa – PROPNN

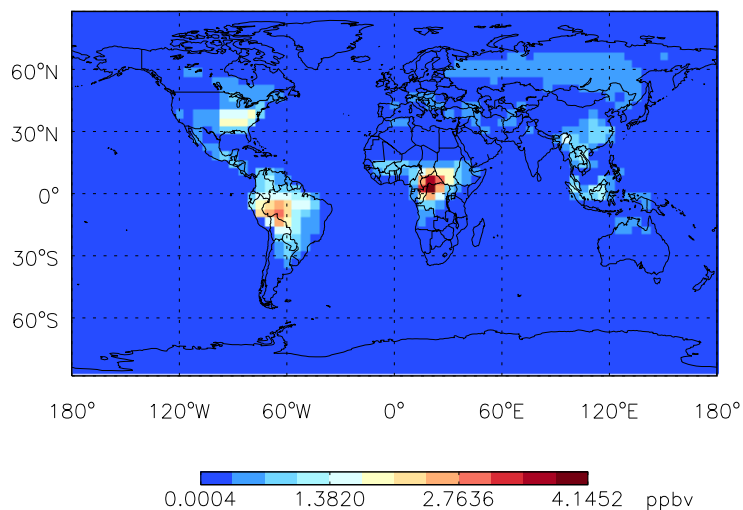




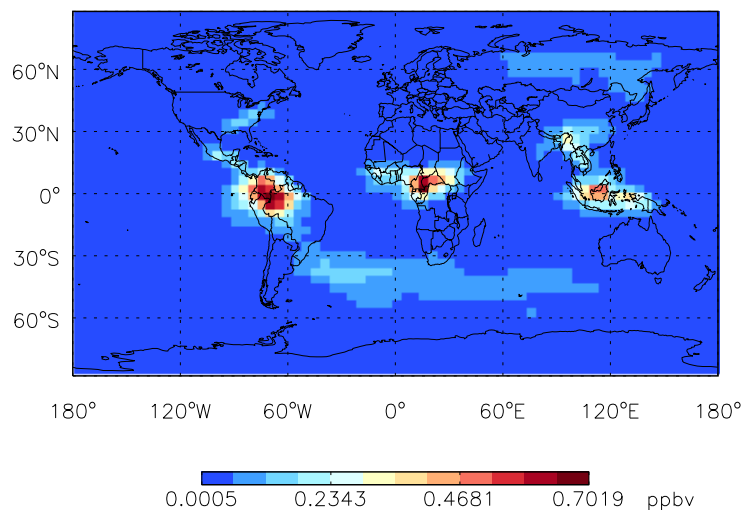
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

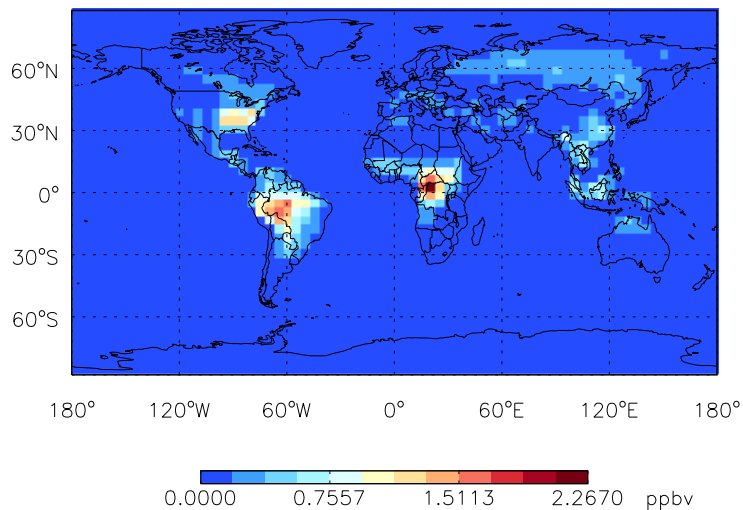
Tracer Map @ Surface – HAC



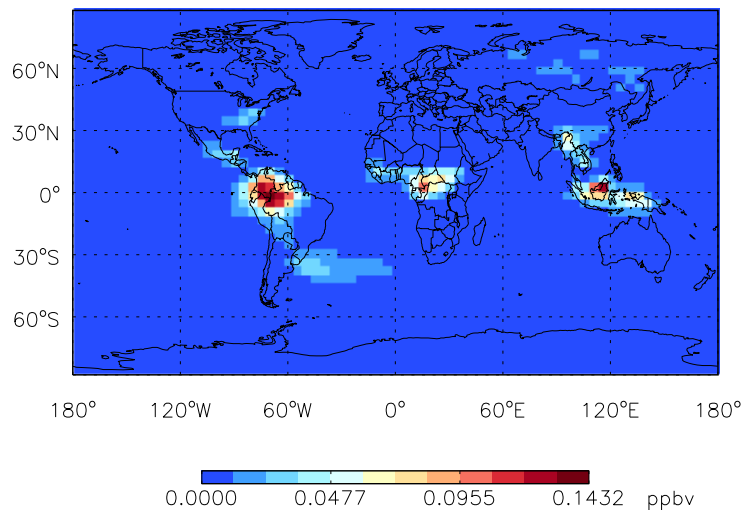
Tracer Map @ 500 hPa – HAC



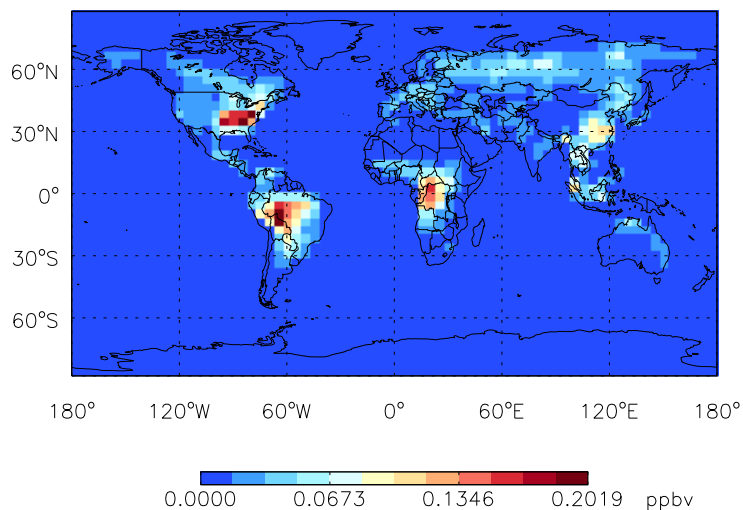
Tracer Map @ Surface – GLYC



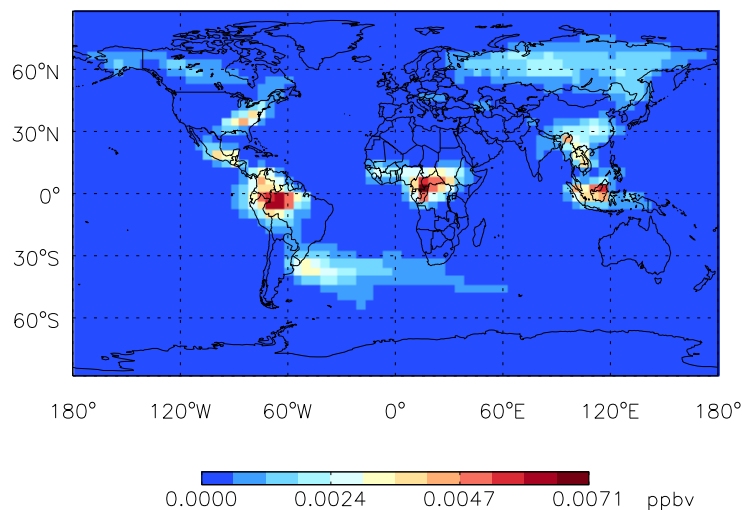
Tracer Map @ 500 hPa – GLYC



Tracer Map @ Surface – MMN



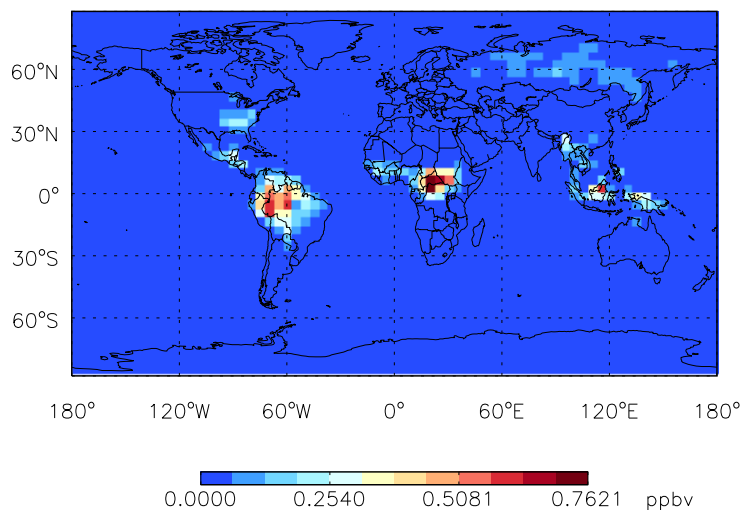
Tracer Map @ 500 hPa – MMN



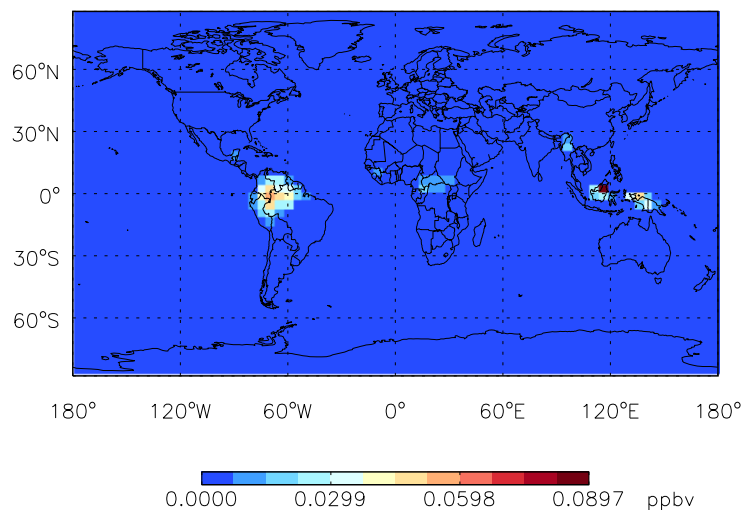
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

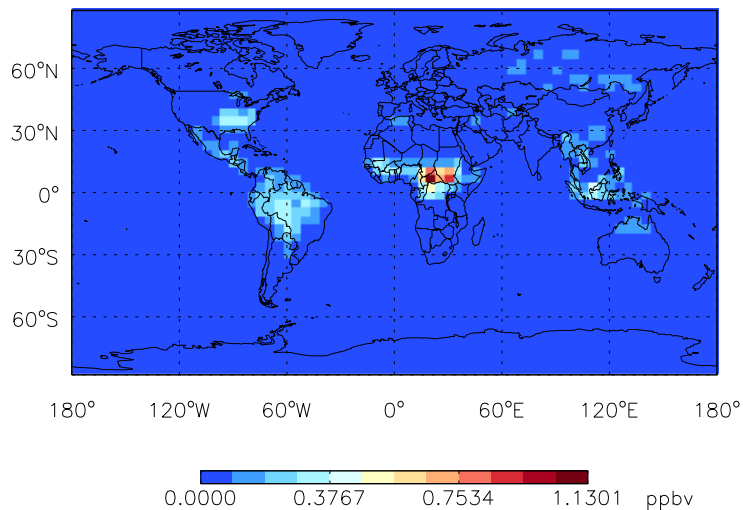
Tracer Map @ Surface – RIP



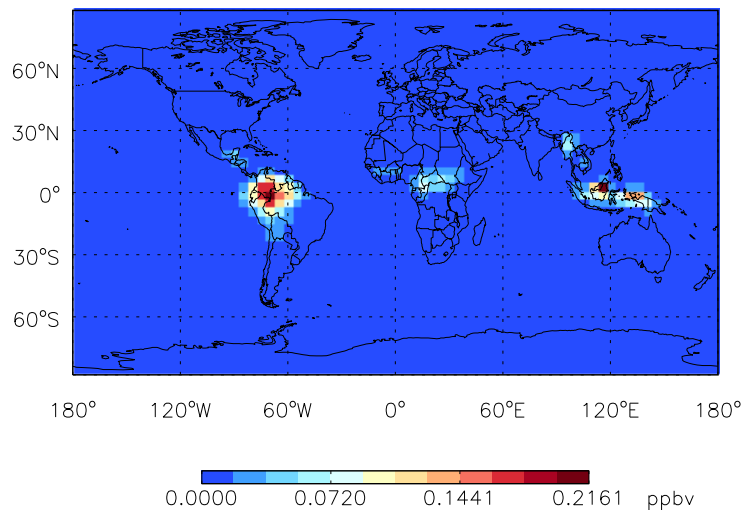
Tracer Map @ 500 hPa – RIP



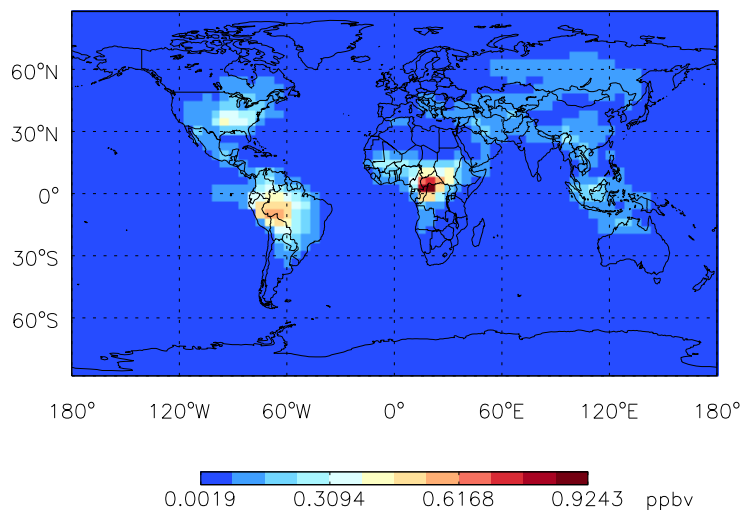
Tracer Map @ Surface – IEPOX



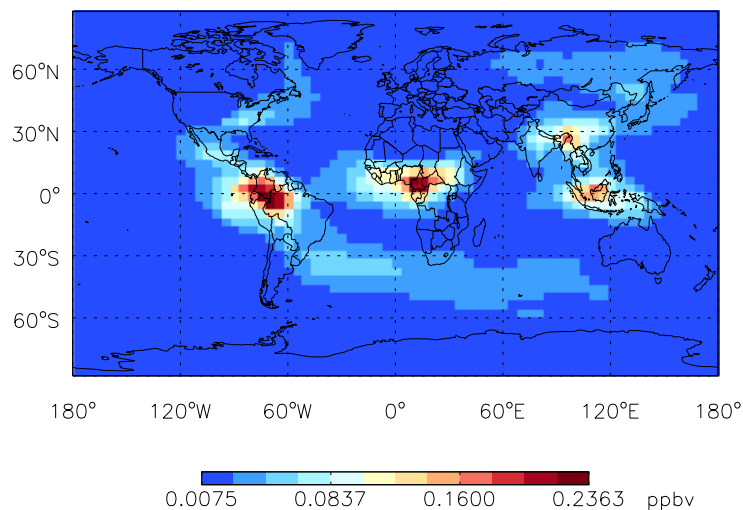
Tracer Map @ 500 hPa – IEPOX



Tracer Map @ Surface – MAP



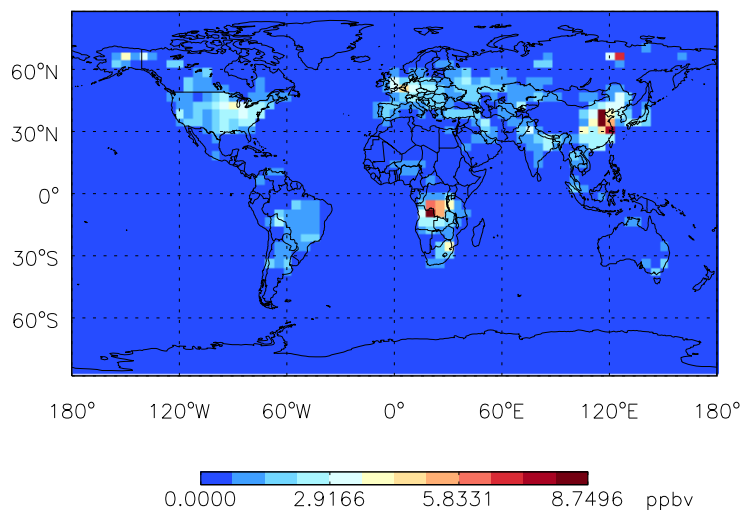
Tracer Map @ 500 hPa – MAP



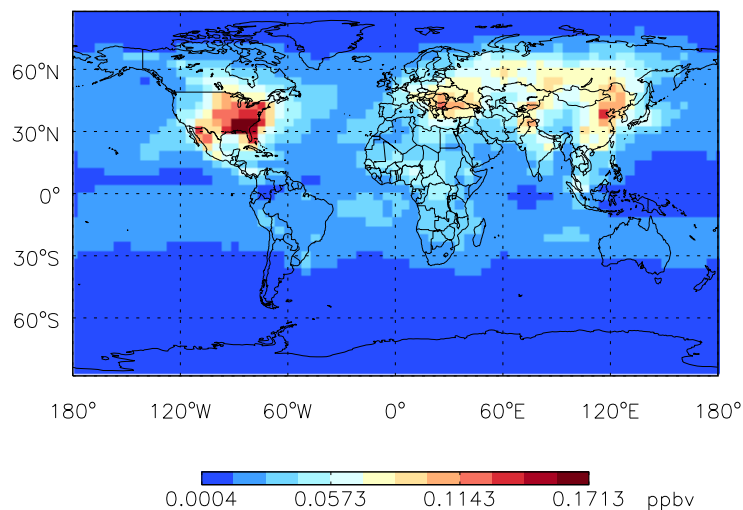
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

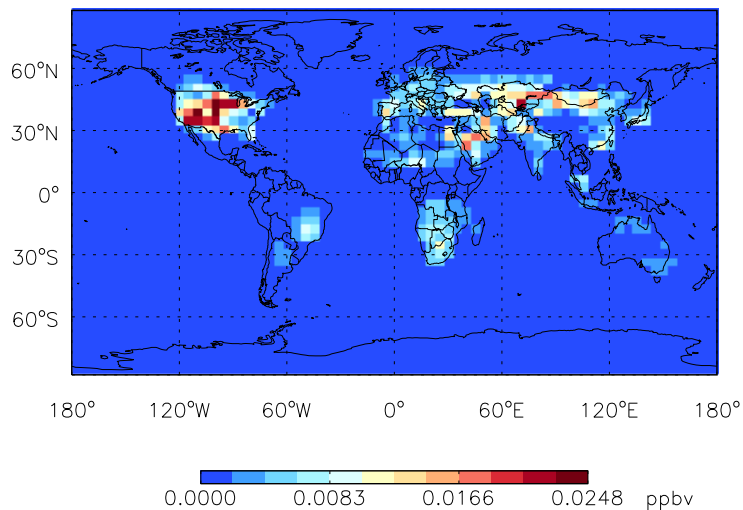
Tracer Map @ Surface - NO2



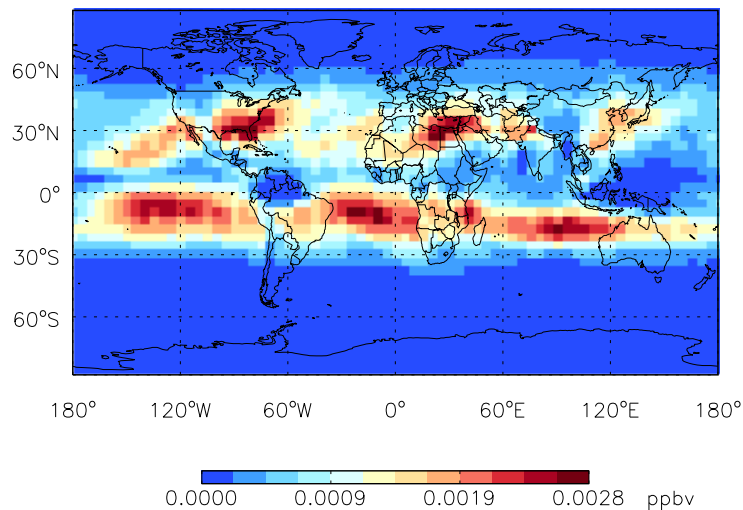
Tracer Map @ 500 hPa - NO2



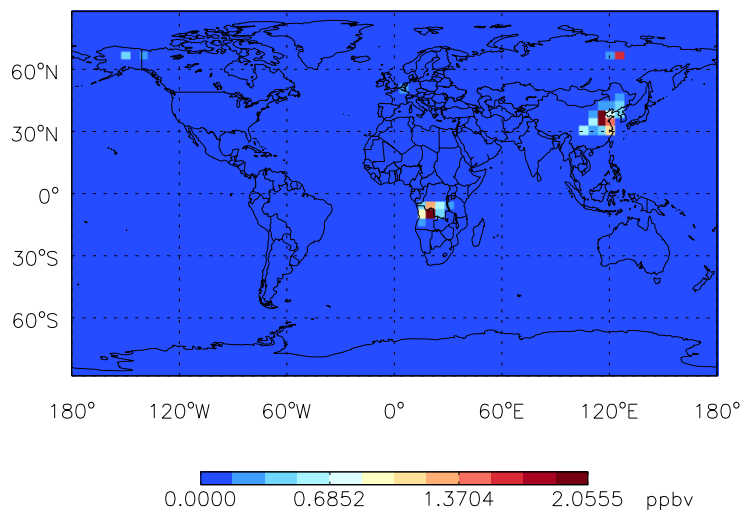
Tracer Map @ Surface - NO3



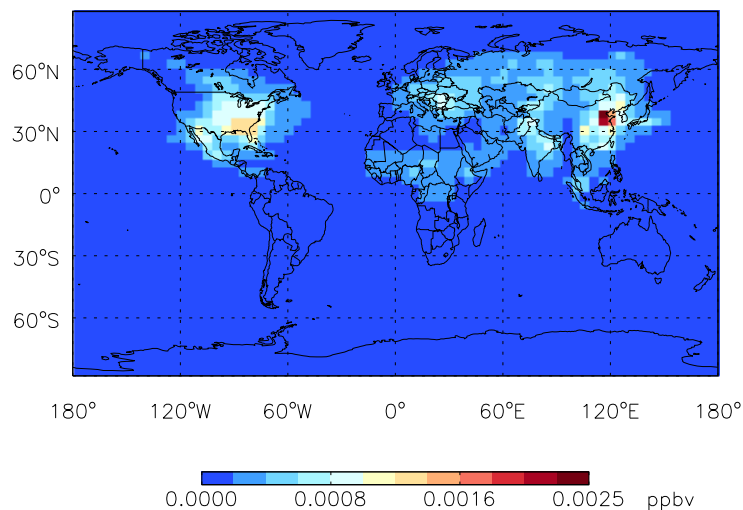
Tracer Map @ 500 hPa - NO3



Tracer Map @ Surface - HNO2



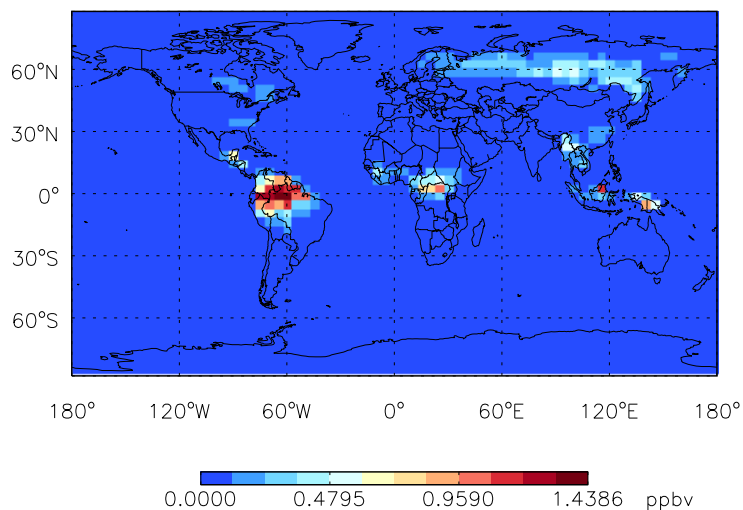
Tracer Map @ 500 hPa - HNO2



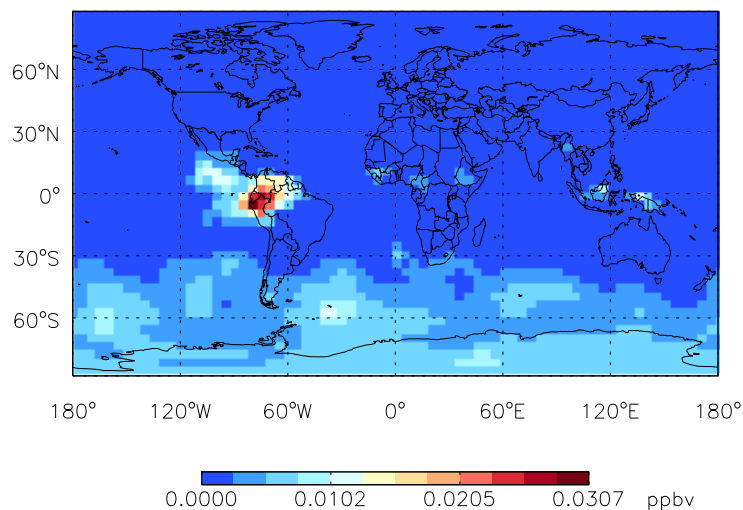
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

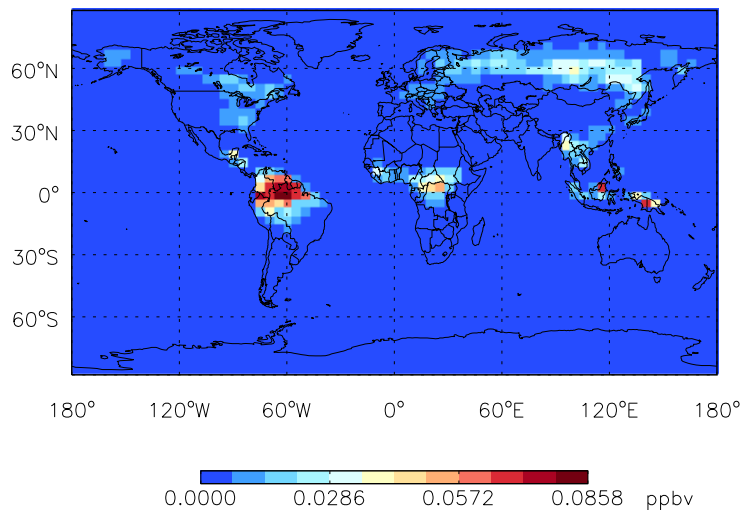
Tracer Map @ Surface – ALPH



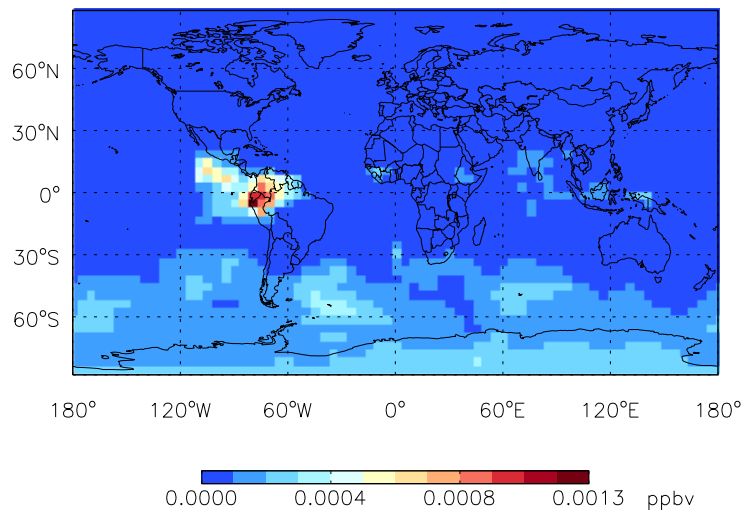
Tracer Map @ 500 hPa – ALPH



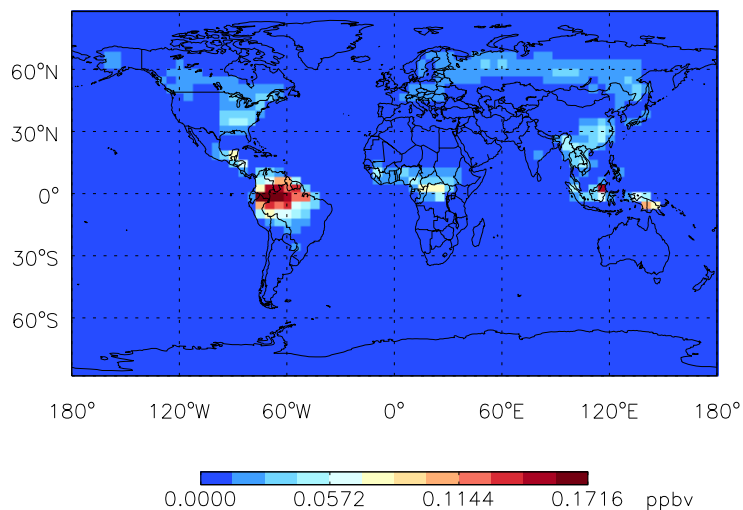
Tracer Map @ Surface – LIMO



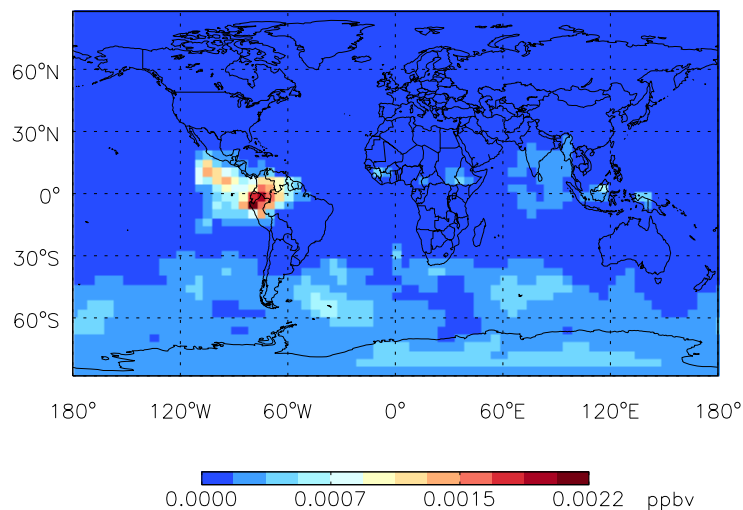
Tracer Map @ 500 hPa – LIMO



Tracer Map @ Surface – ALCO



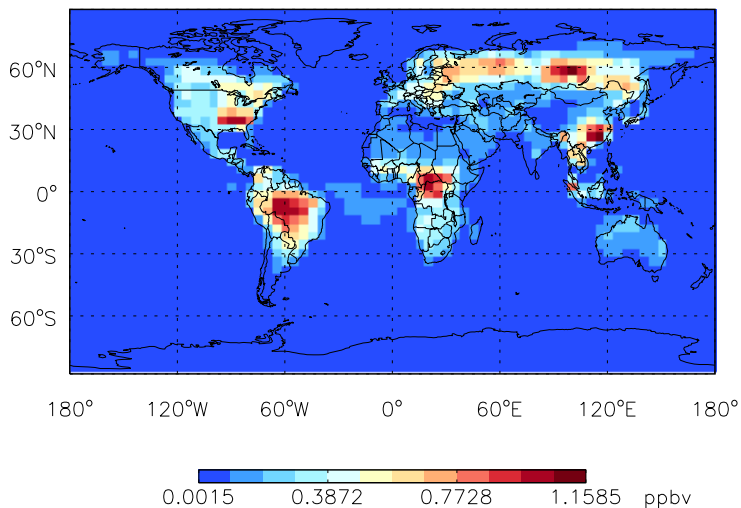
Tracer Map @ 500 hPa – ALCO



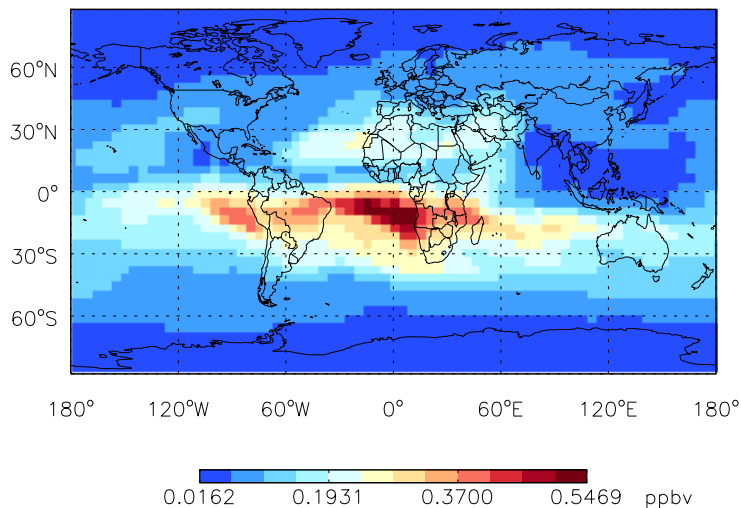
GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

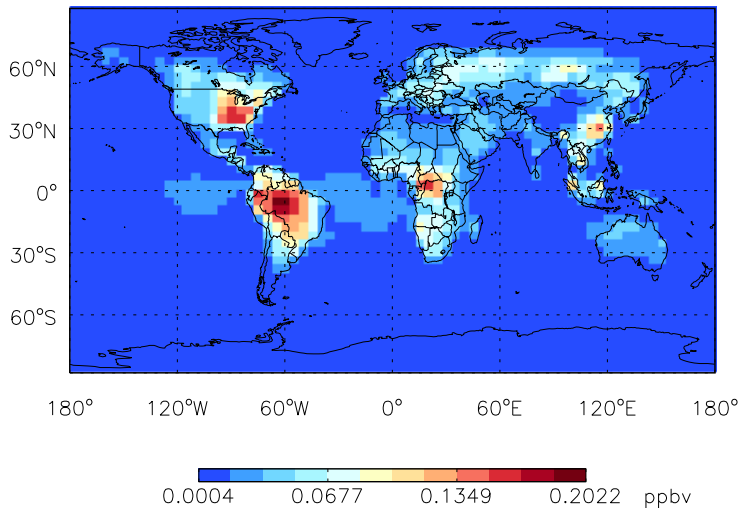
Tracer Map @ Surface – SOG1



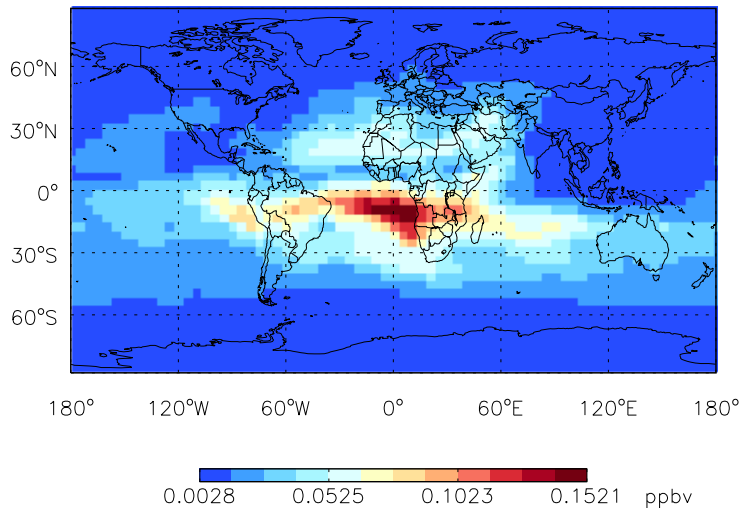
Tracer Map @ 500 hPa – SOG1



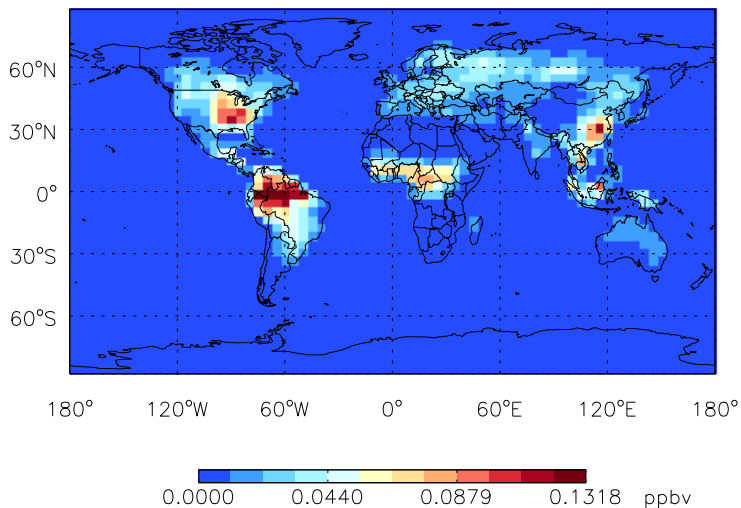
Tracer Map @ Surface – SOG2



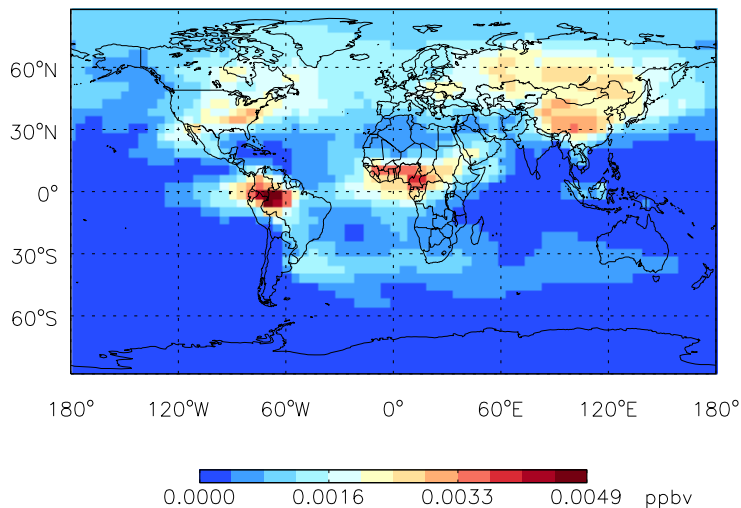
Tracer Map @ 500 hPa – SOG2



Tracer Map @ Surface – SOG3



Tracer Map @ 500 hPa – SOG3

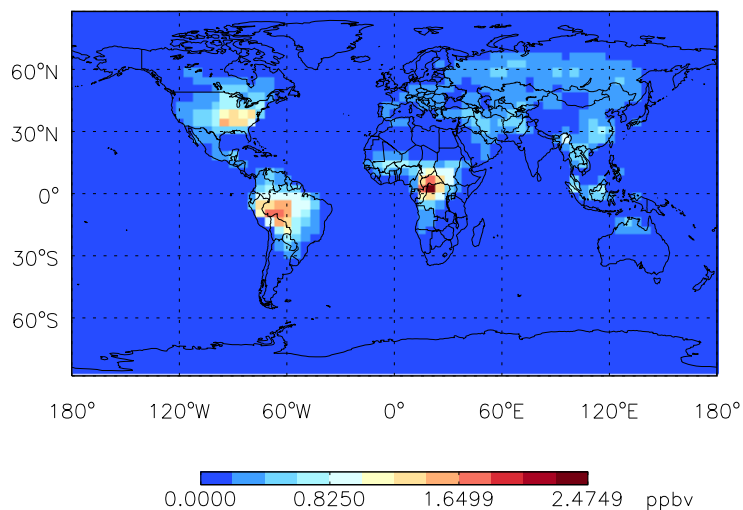




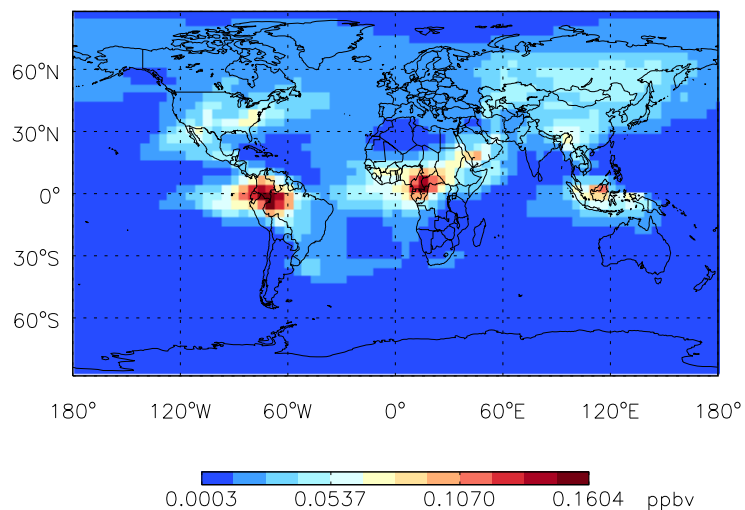
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

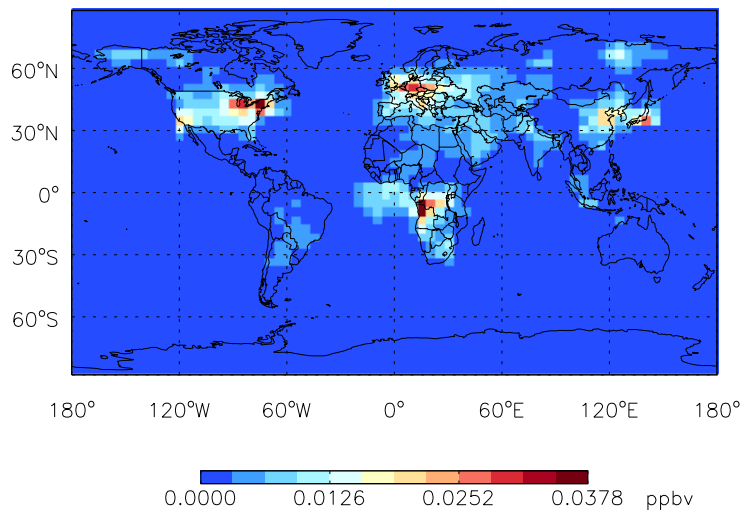
Tracer Map @ Surface – SOG4



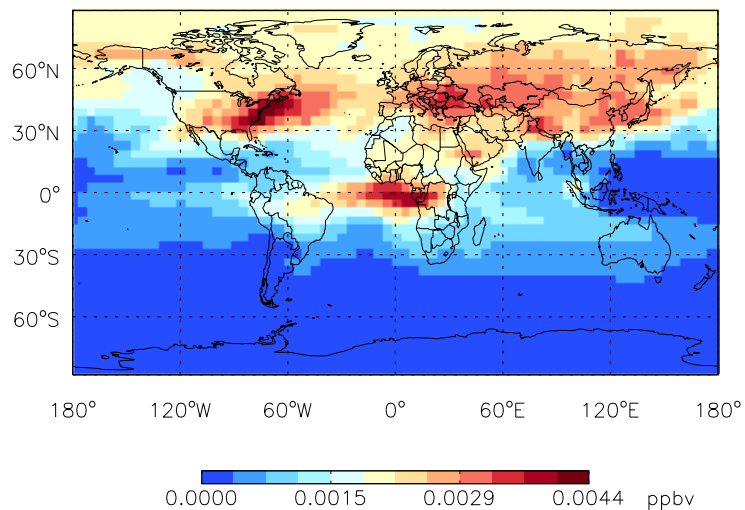
Tracer Map @ 500 hPa – SOG4



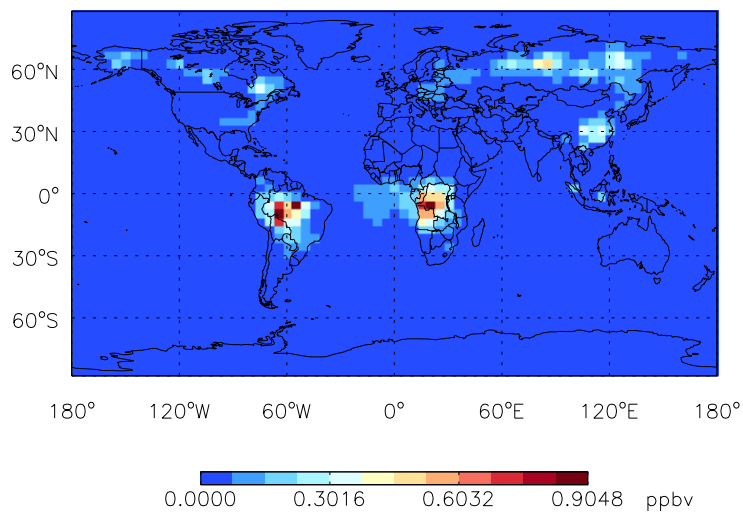
Tracer Map @ Surface – SOG5



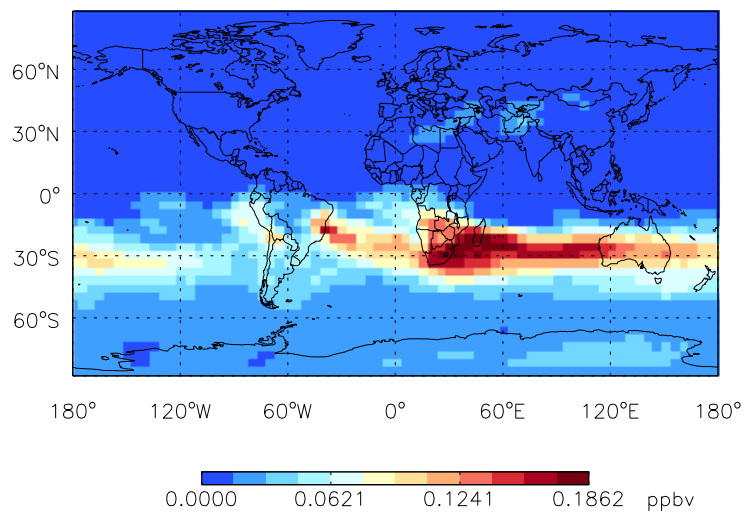
Tracer Map @ 500 hPa – SOG5



Tracer Map @ Surface – SOA1



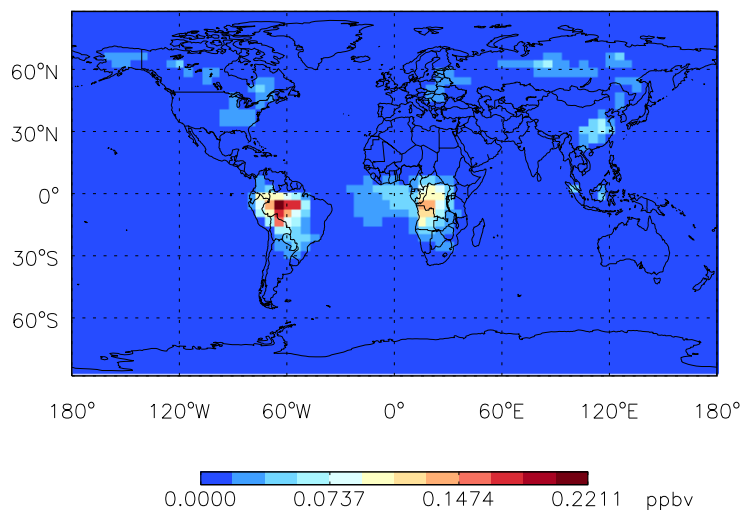
Tracer Map @ 500 hPa – SOA1



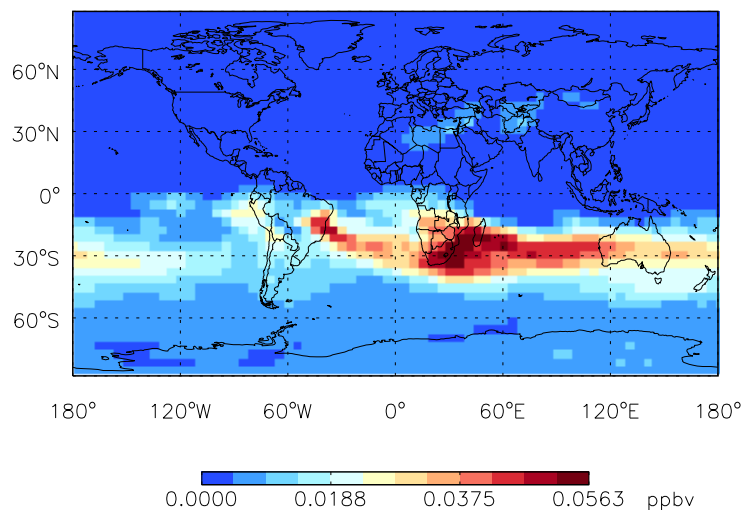
GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

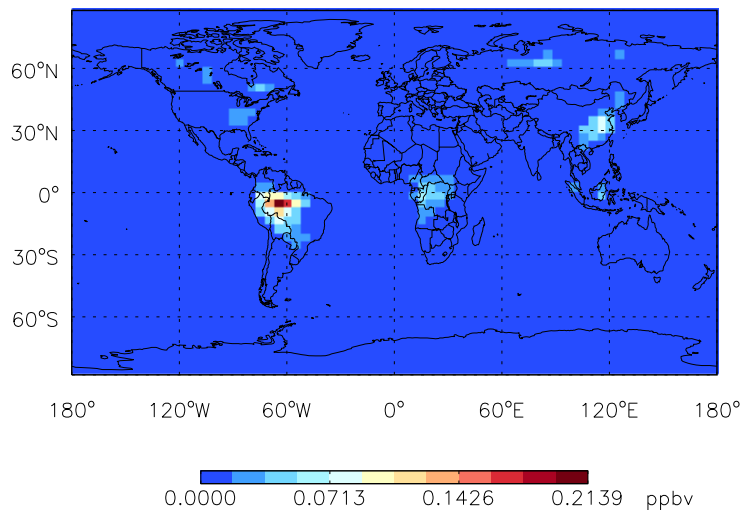
Tracer Map @ Surface – SOA2



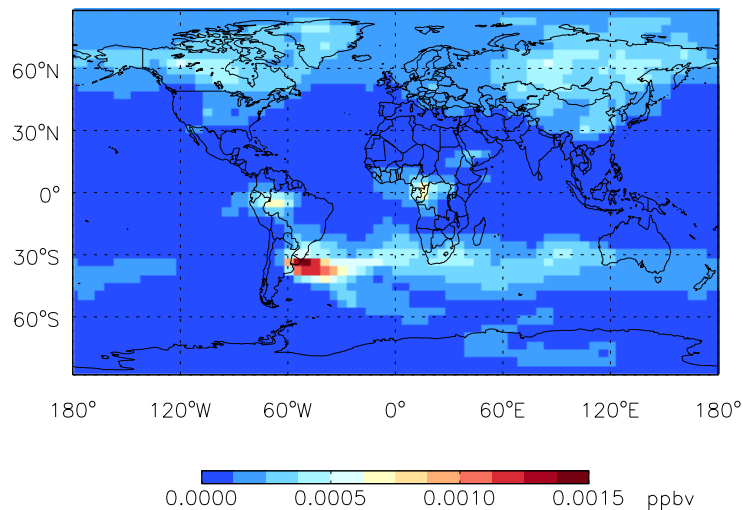
Tracer Map @ 500 hPa – SOA2



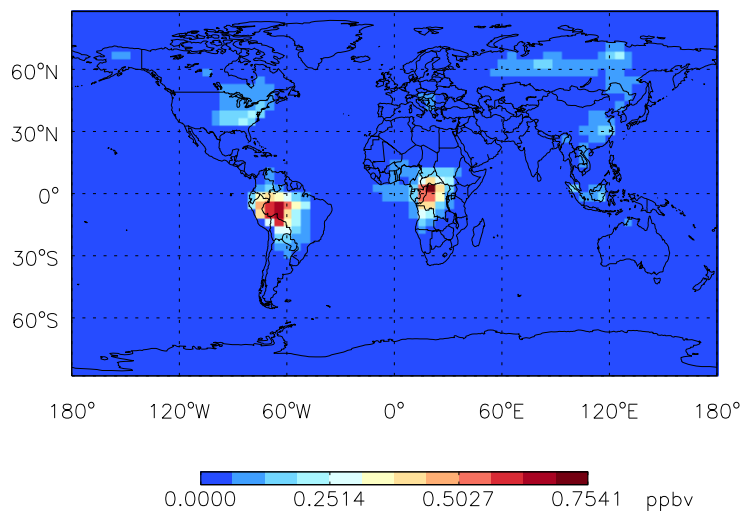
Tracer Map @ Surface – SOA3



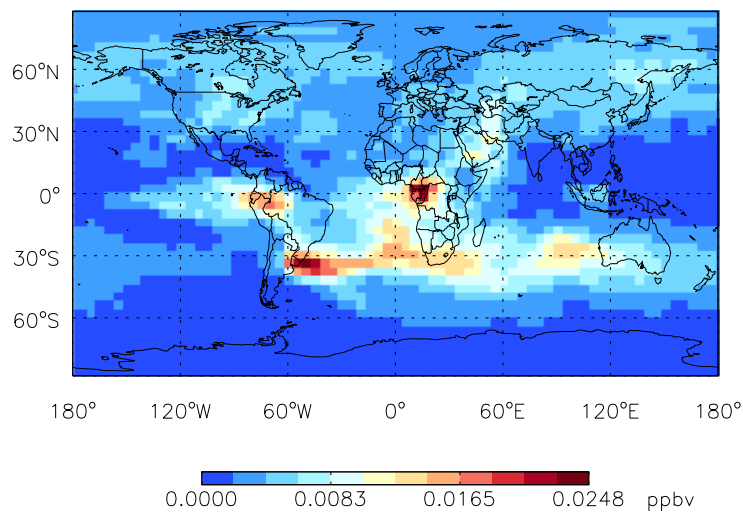
Tracer Map @ 500 hPa – SOA3



Tracer Map @ Surface – SOA4



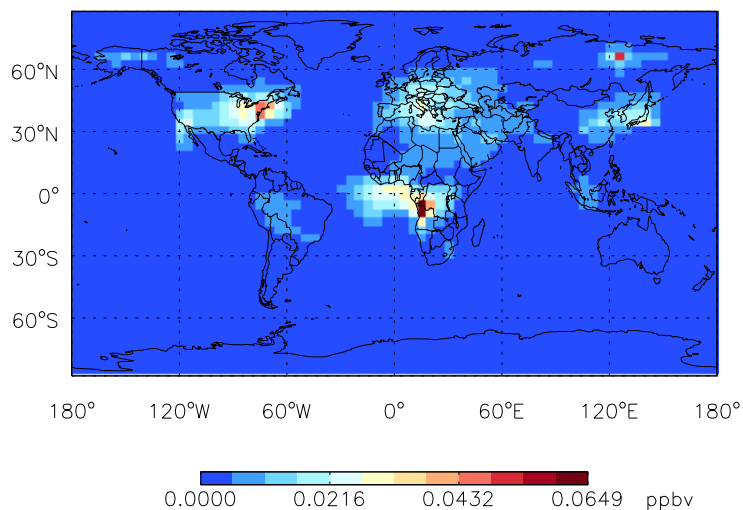
Tracer Map @ 500 hPa – SOA4



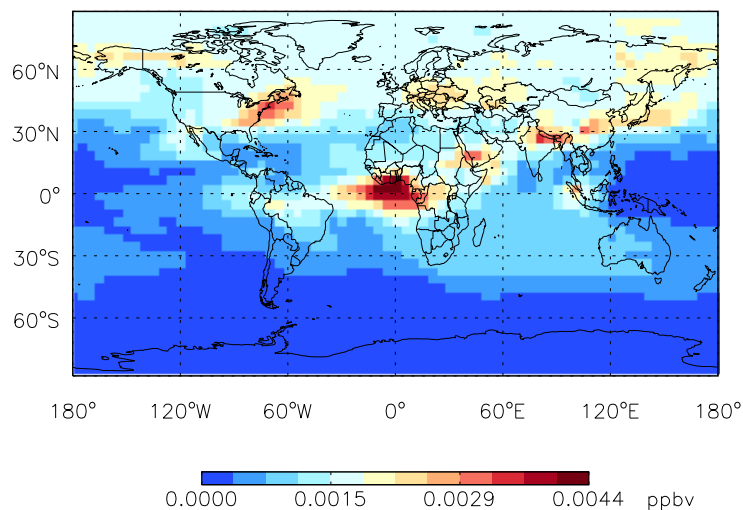
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

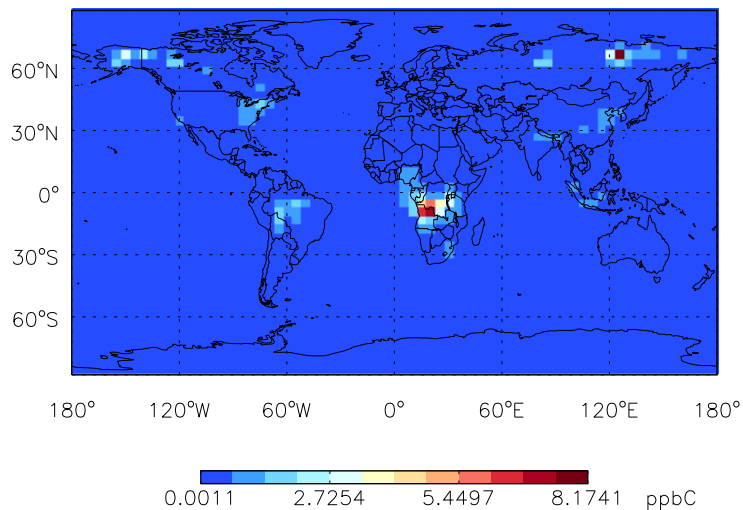
Tracer Map @ Surface – SOA5



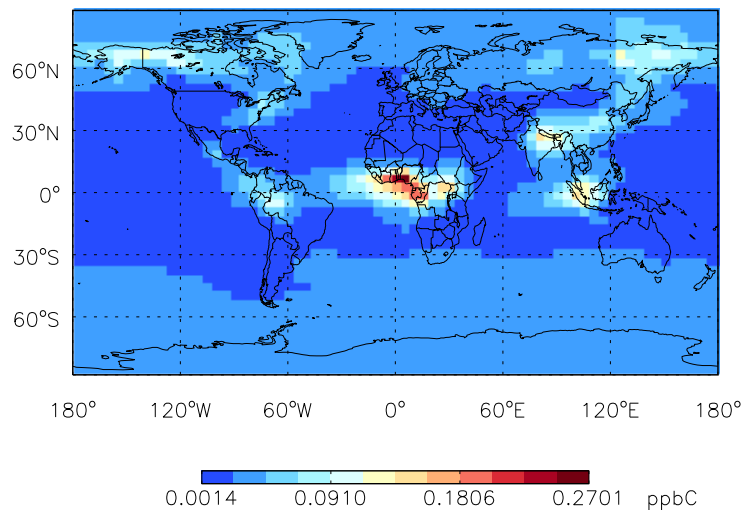
Tracer Map @ 500 hPa – SOA5



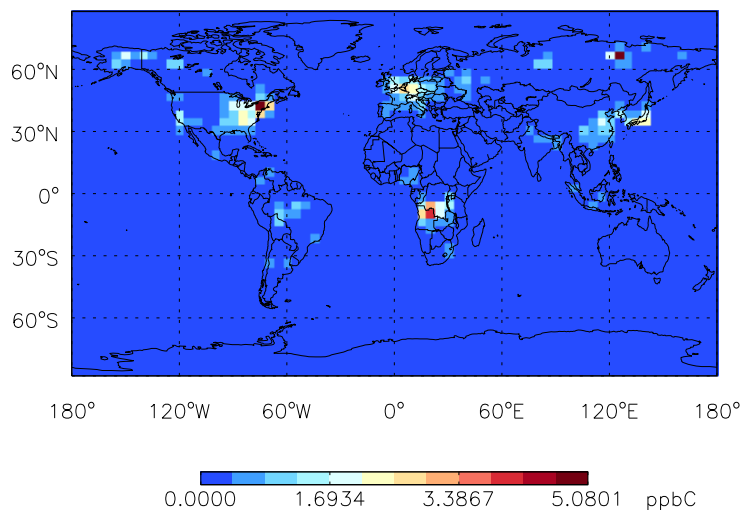
Tracer Map @ Surface – BENZ



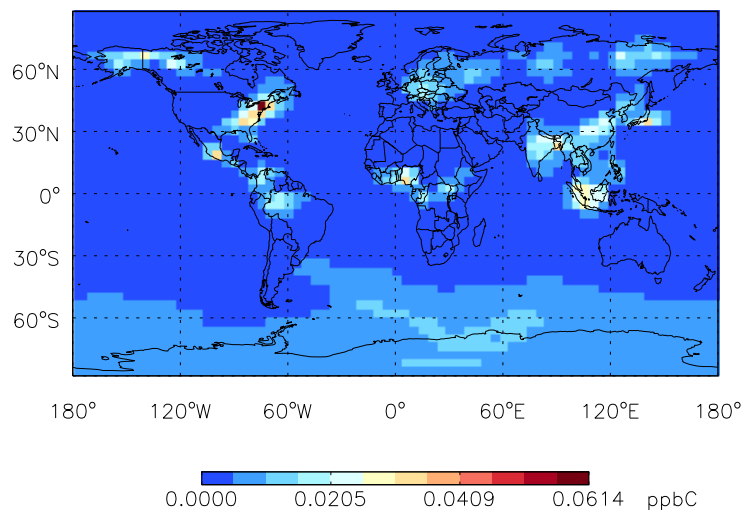
Tracer Map @ 500 hPa – BENZ



Tracer Map @ Surface – TOLU



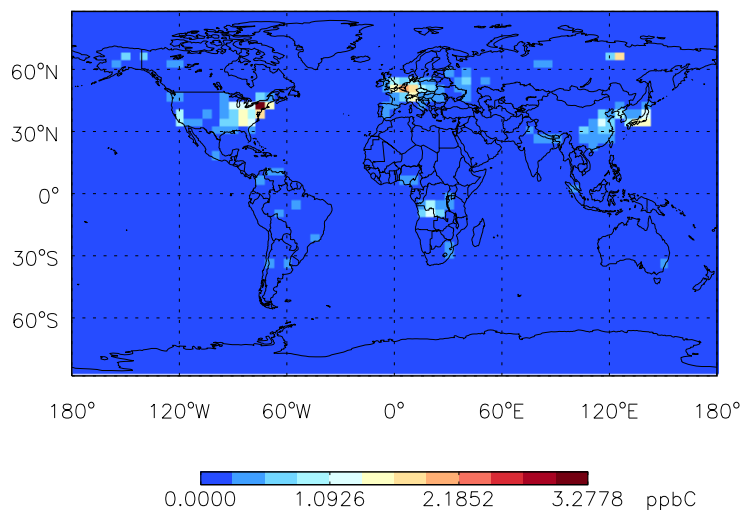
Tracer Map @ 500 hPa – TOLU



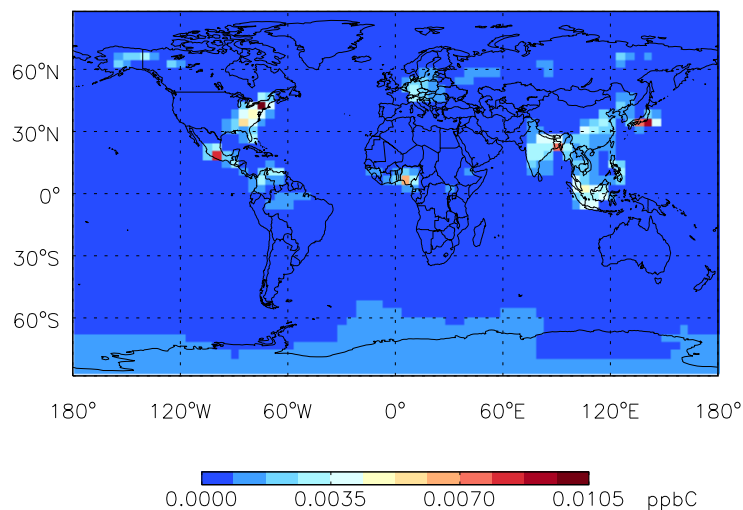
# GEOS-Chem v9-02n\_SOA Tracer Maps at Surface and 500 hPa

ctm.bpch.v9-02n\_SOA

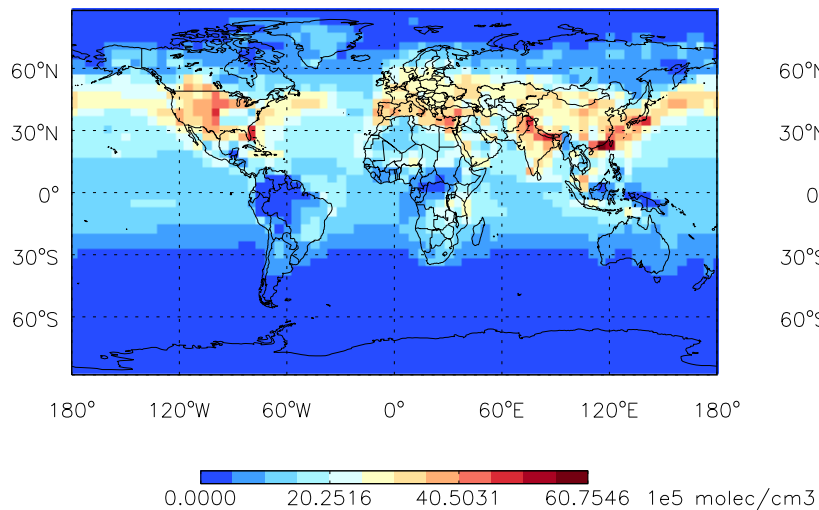
Tracer Map @ Surface - XYLE



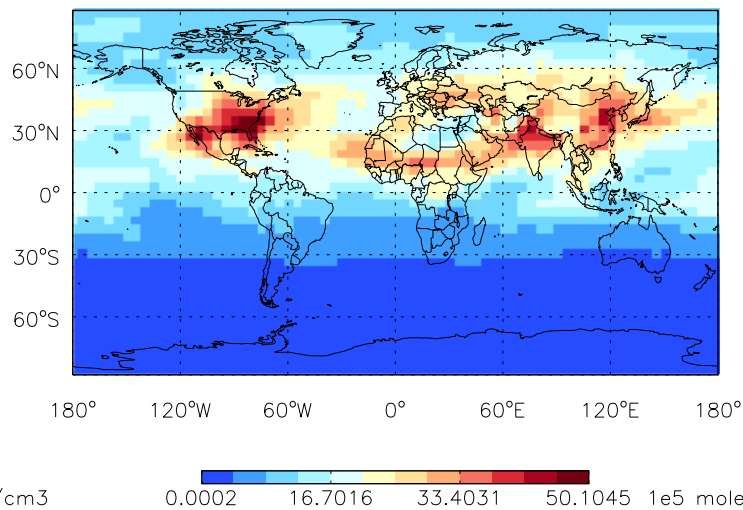
Tracer Map @ 500 hPa - XYLE



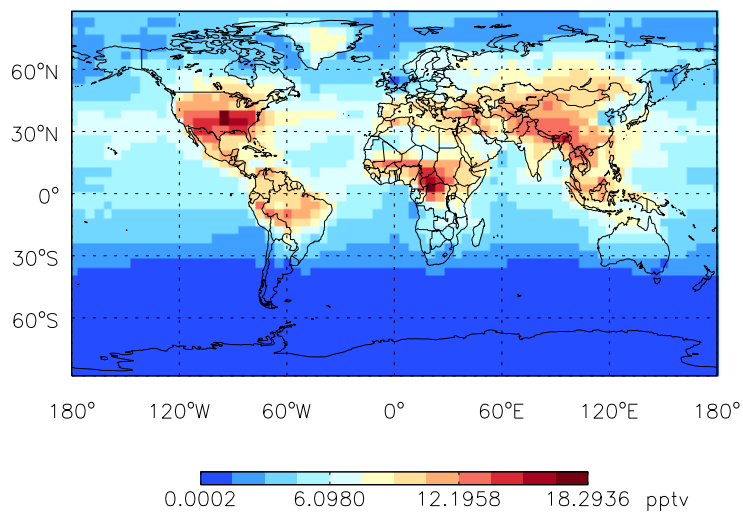
Tracer Map @ Surface - OH



Tracer Map @ 500 hPa - OH



Tracer Map @ Surface - HO2



Tracer Map @ 500 hPa - HO2

