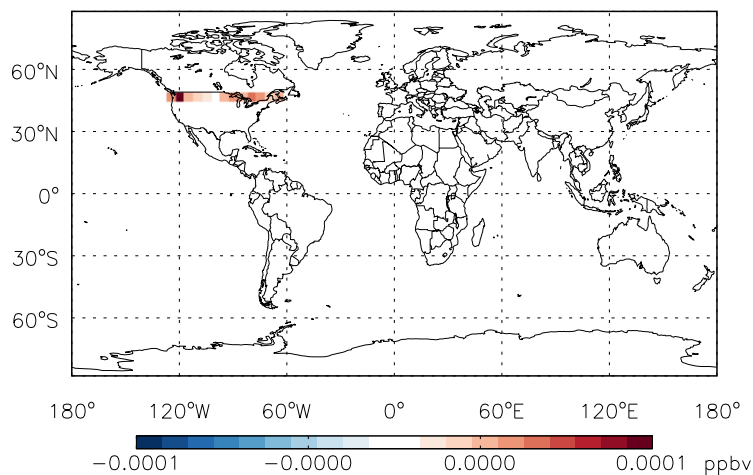


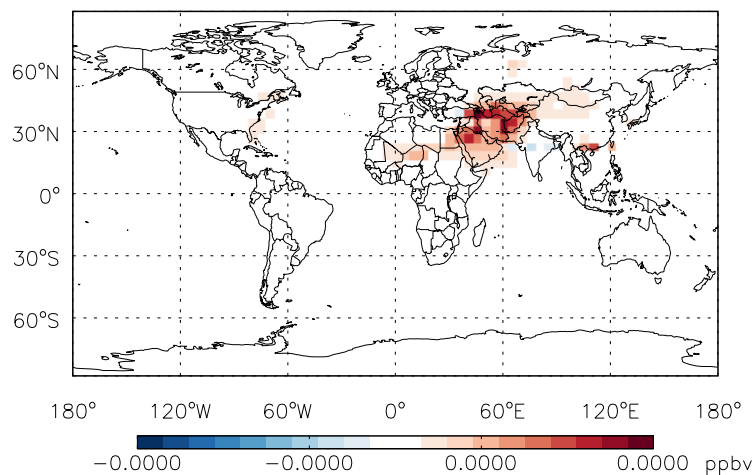
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

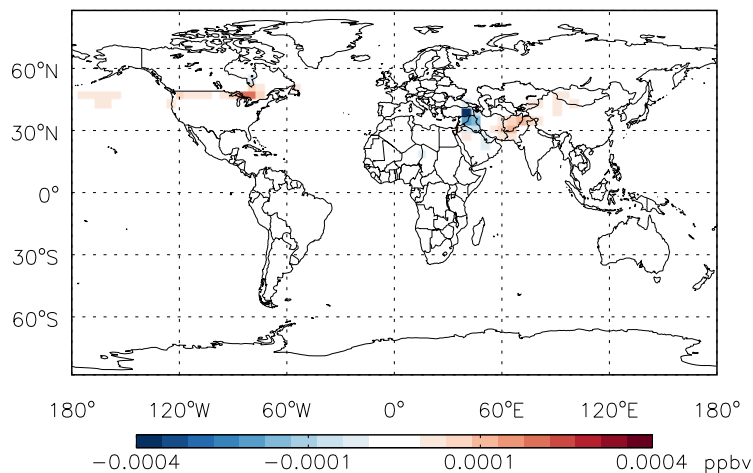
Abs Diff @ Surface - NO<sub>x</sub>



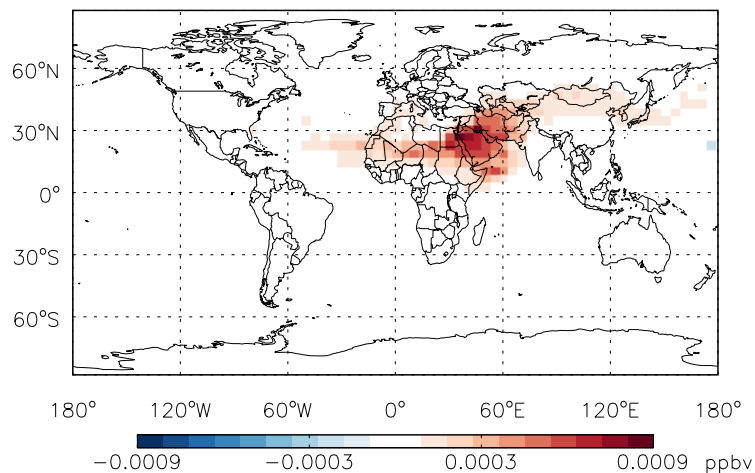
Abs Diff @ 500 hPa - NO<sub>x</sub>



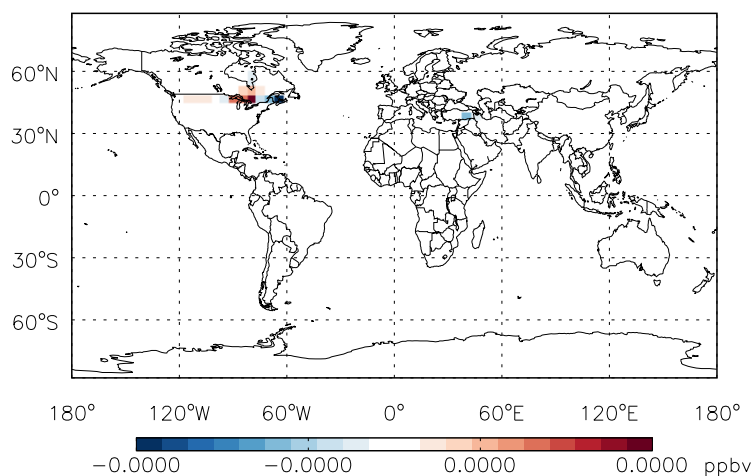
Abs Diff @ Surface - O<sub>x</sub>



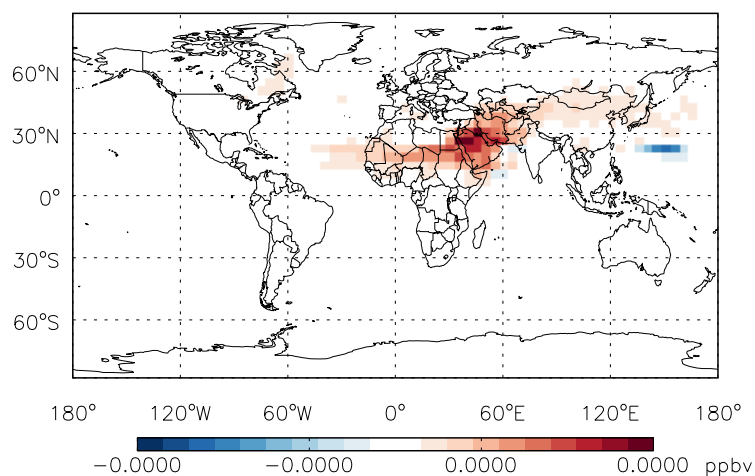
Abs Diff @ 500 hPa - O<sub>x</sub>



Abs Diff @ Surface - PAN



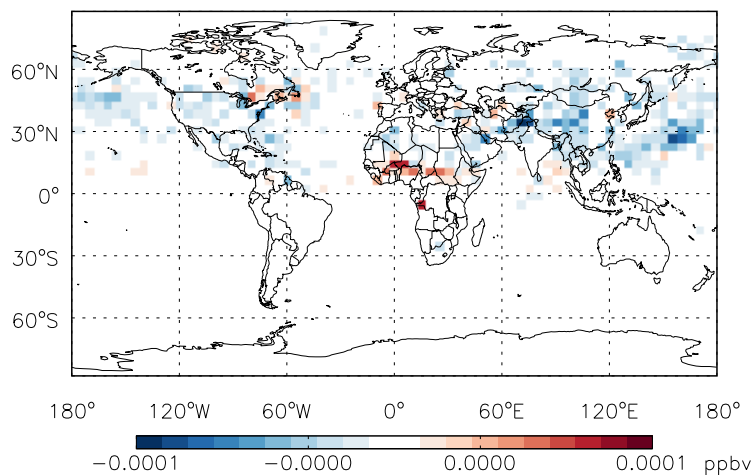
Abs Diff @ 500 hPa - PAN



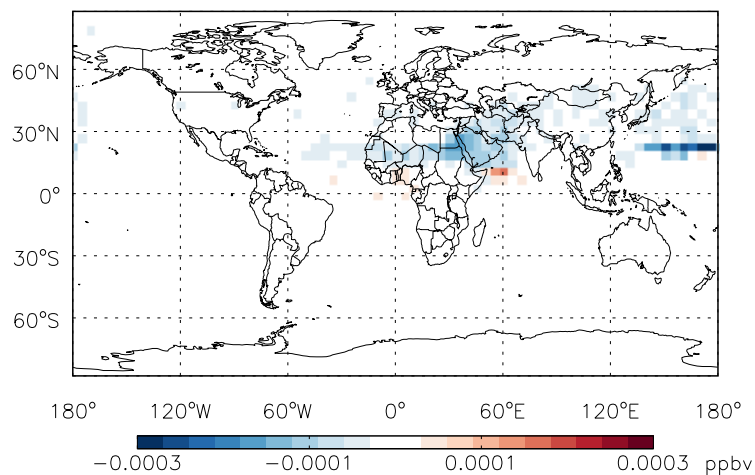
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

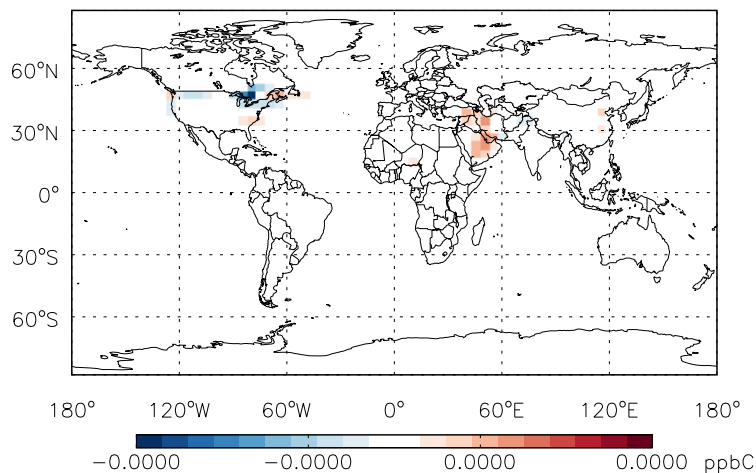
Abs Diff @ Surface - CO



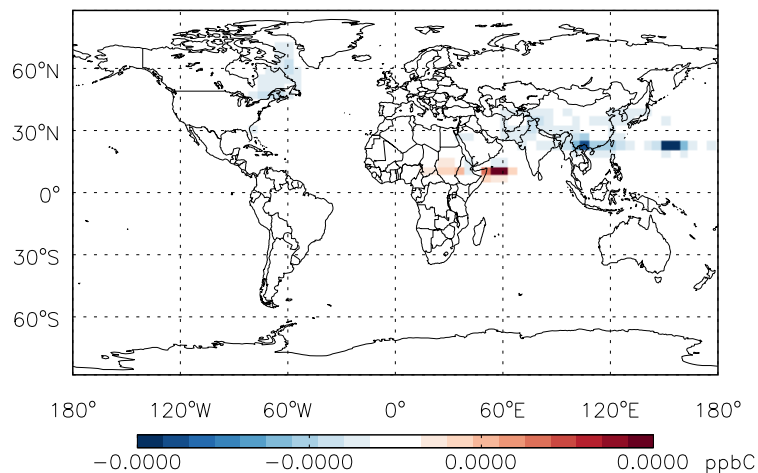
Abs Diff @ 500 hPa - CO



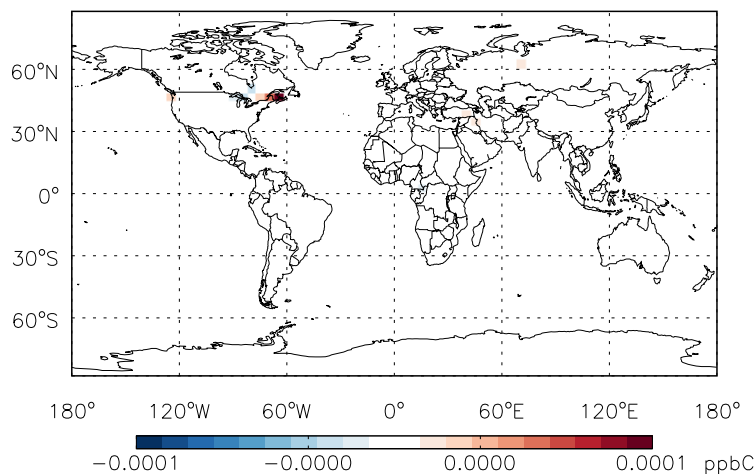
Abs Diff @ Surface - ALK4



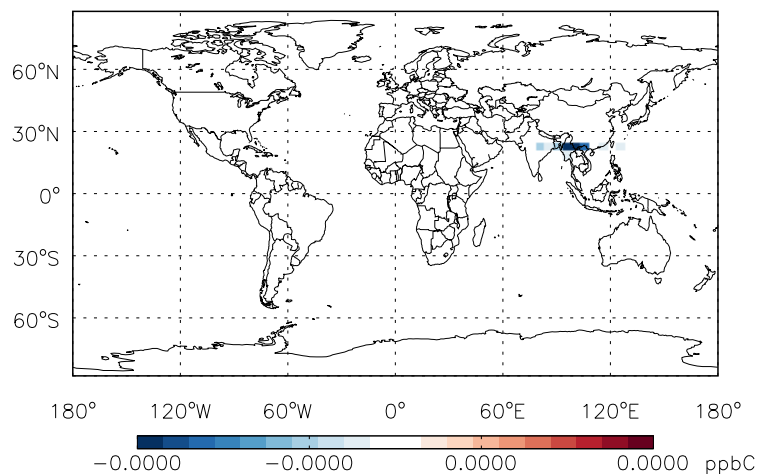
Abs Diff @ 500 hPa - ALK4



Abs Diff @ Surface - ISOP



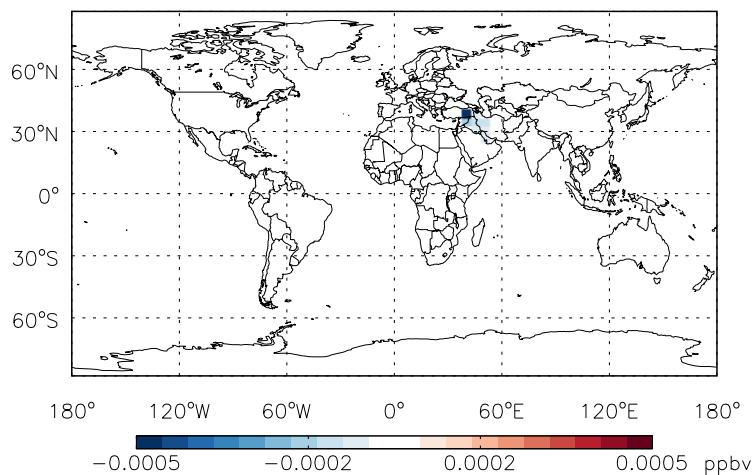
Abs Diff @ 500 hPa - ISOP



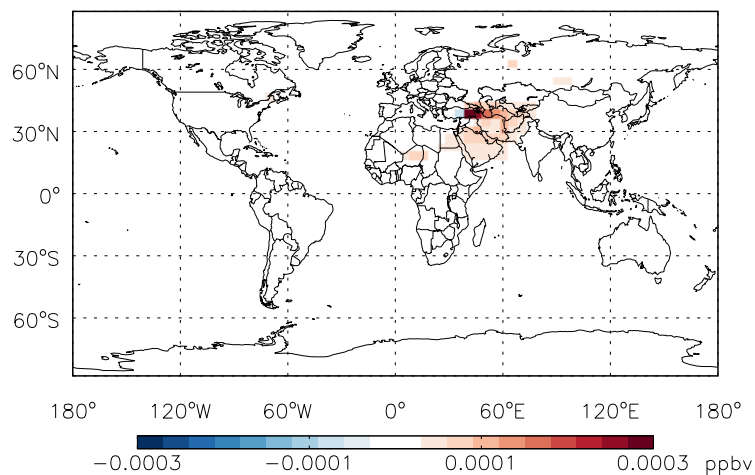
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

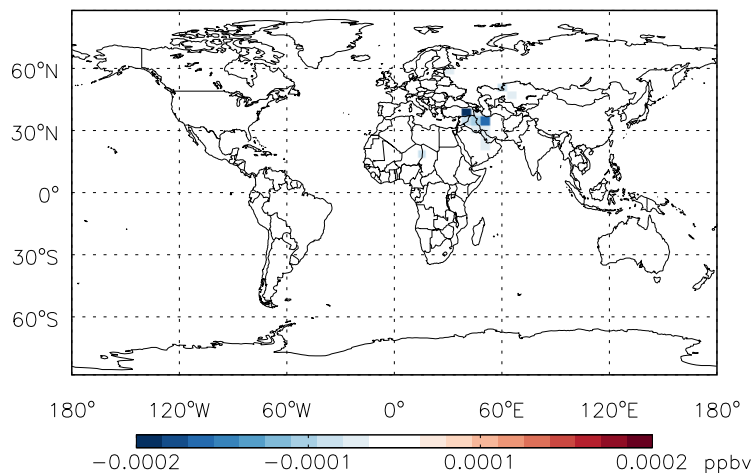
Abs Diff @ Surface - HNO<sub>3</sub>



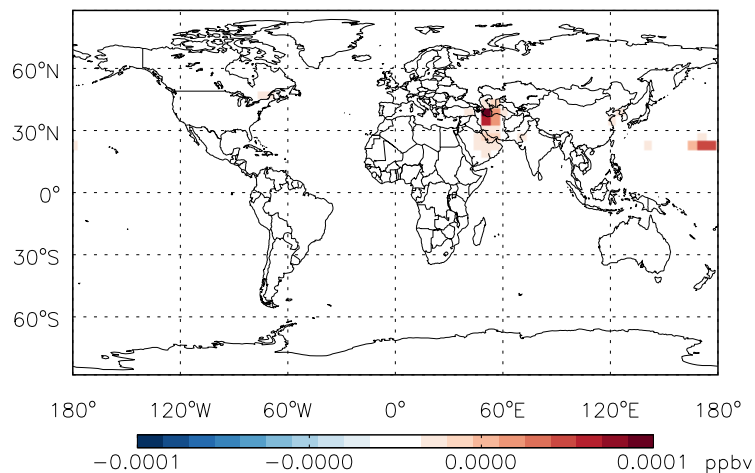
Abs Diff @ 500 hPa - HNO<sub>3</sub>



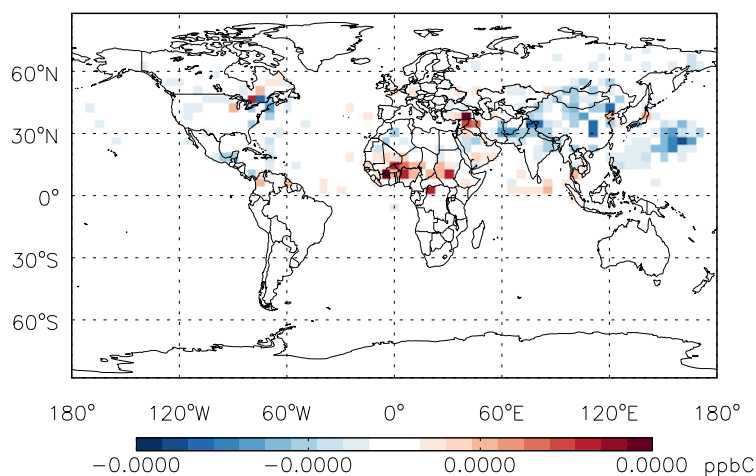
Abs Diff @ Surface - H<sub>2</sub>O<sub>2</sub>



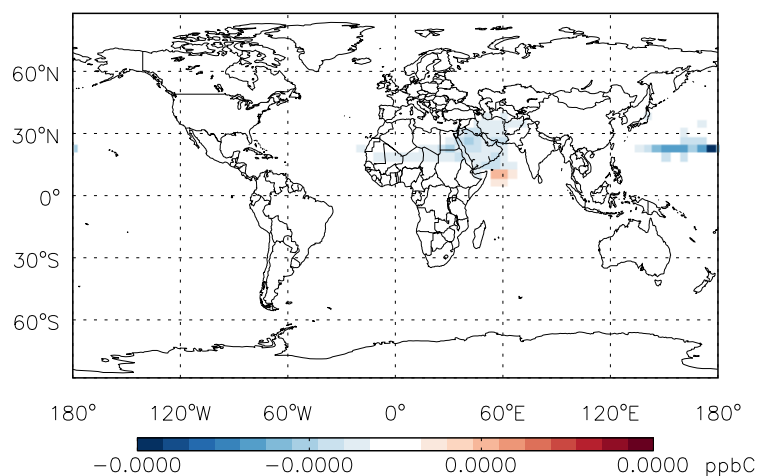
Abs Diff @ 500 hPa - H<sub>2</sub>O<sub>2</sub>



Abs Diff @ Surface - ACET



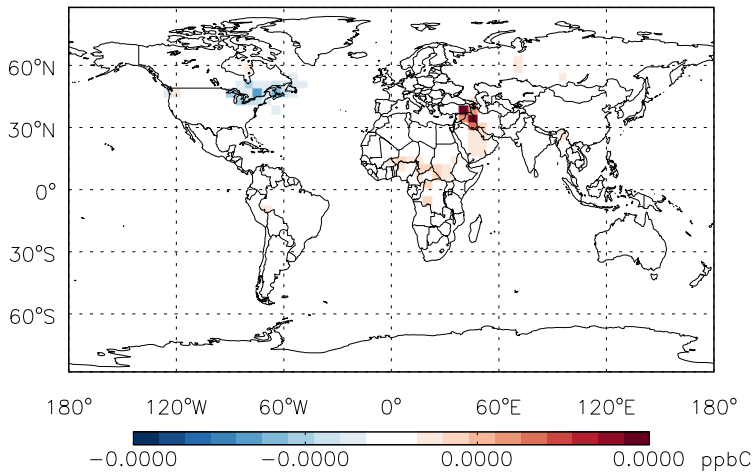
Abs Diff @ 500 hPa - ACET



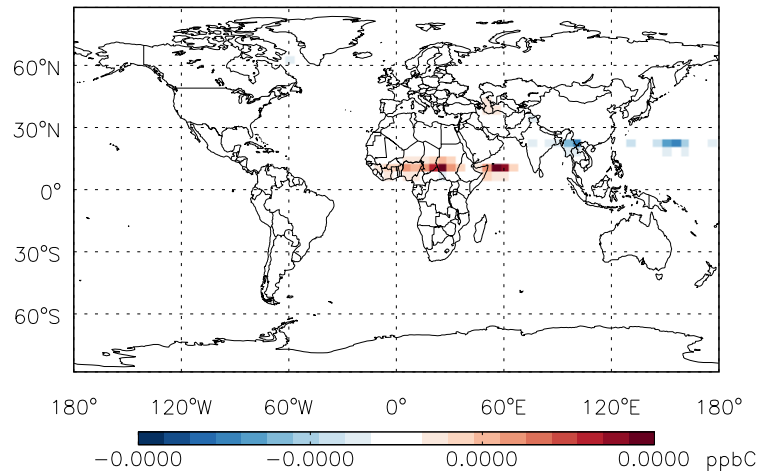
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

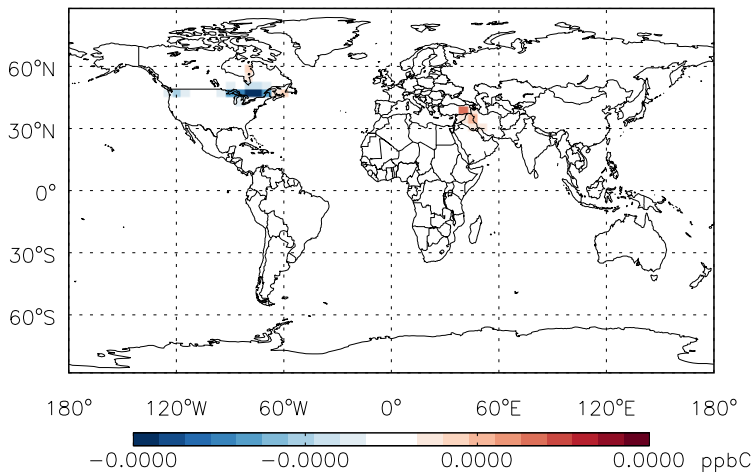
Abs Diff @ Surface - MEK



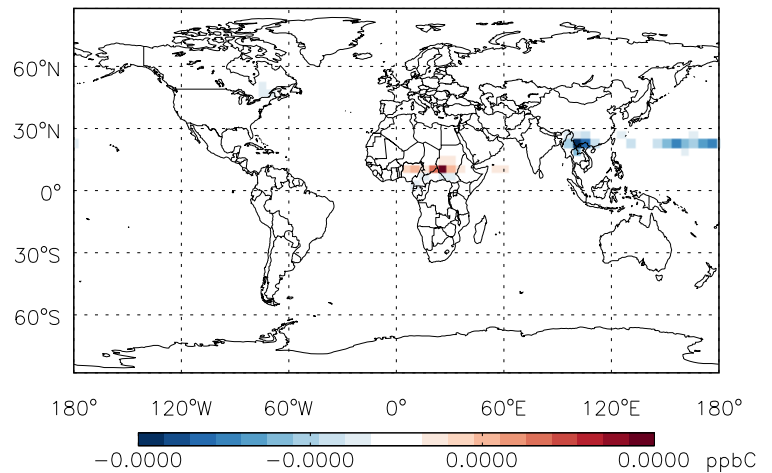
Abs Diff @ 500 hPa - MEK



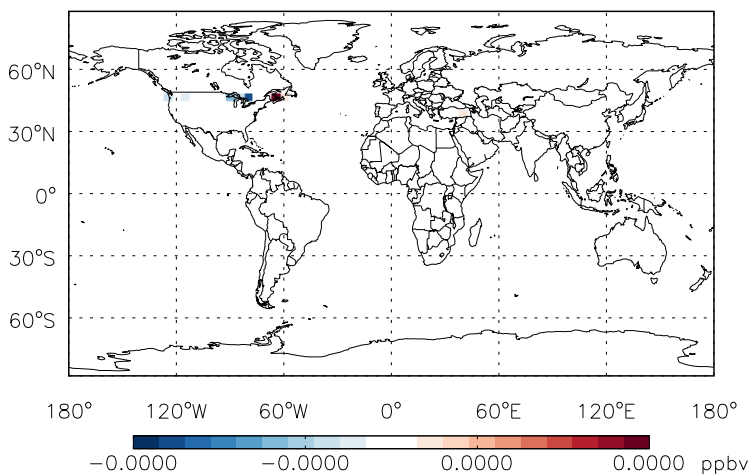
Abs Diff @ Surface - ALD2



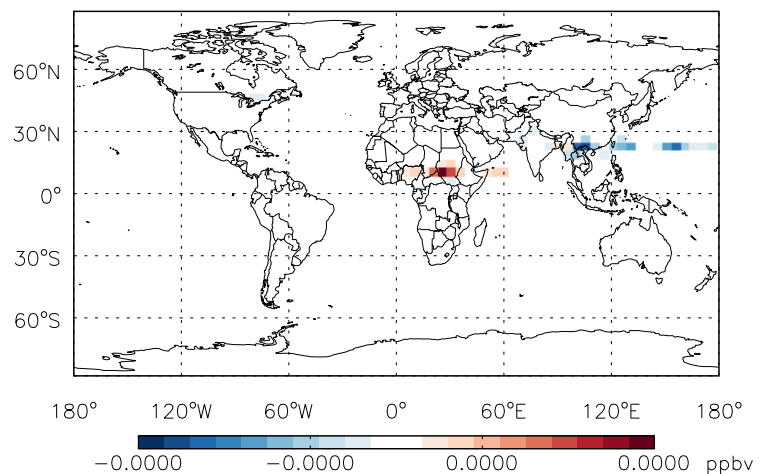
Abs Diff @ 500 hPa - ALD2



Abs Diff @ Surface - RCHO



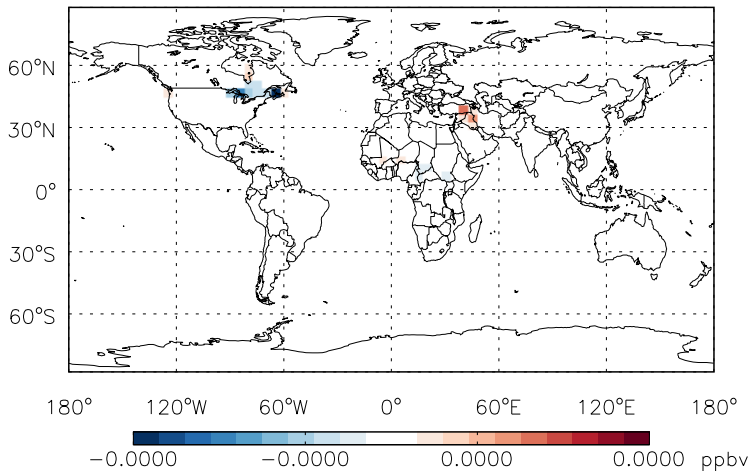
Abs Diff @ 500 hPa - RCHO



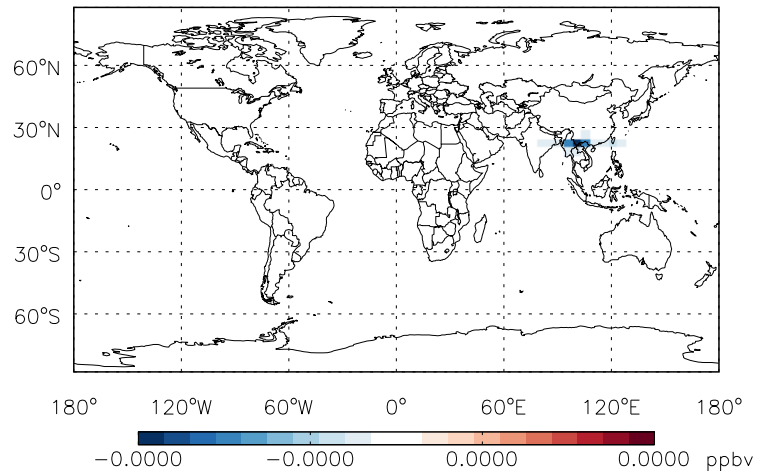
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

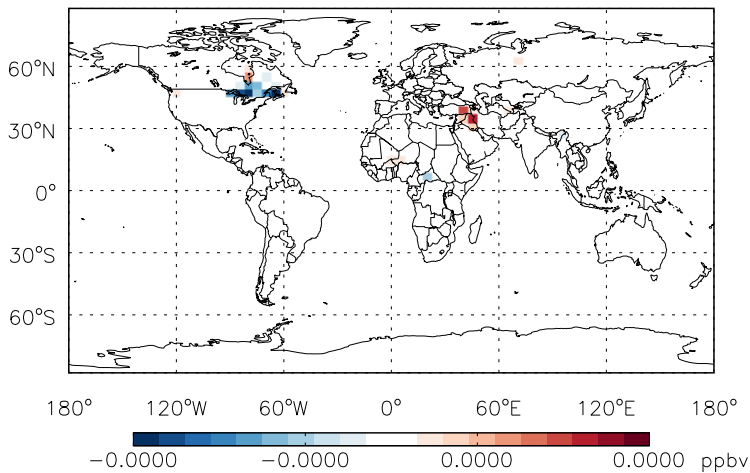
Abs Diff @ Surface - MVK



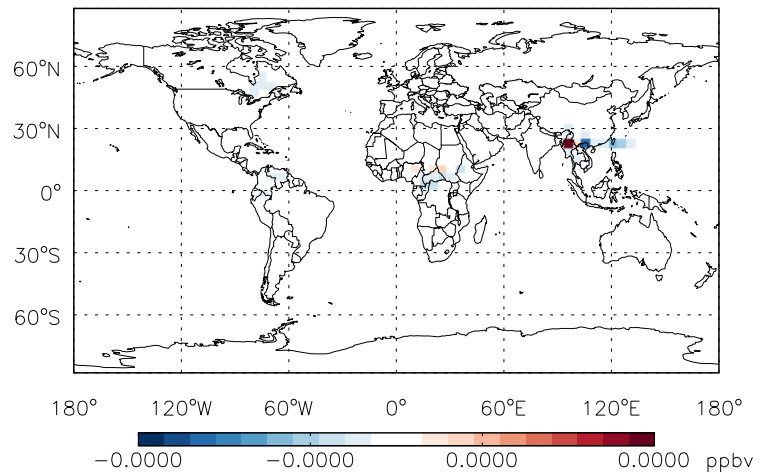
Abs Diff @ 500 hPa - MVK



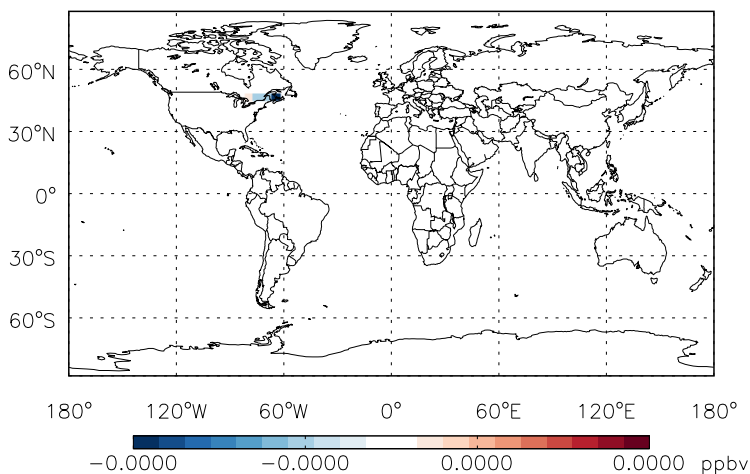
Abs Diff @ Surface - MACR



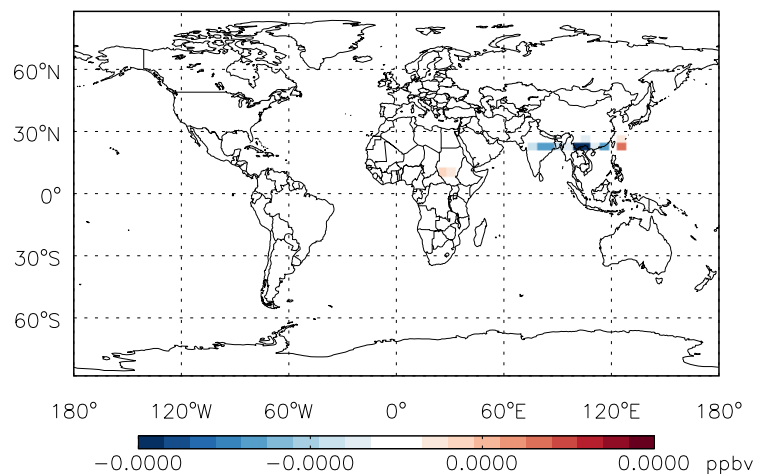
Abs Diff @ 500 hPa - MACR



Abs Diff @ Surface - PMN



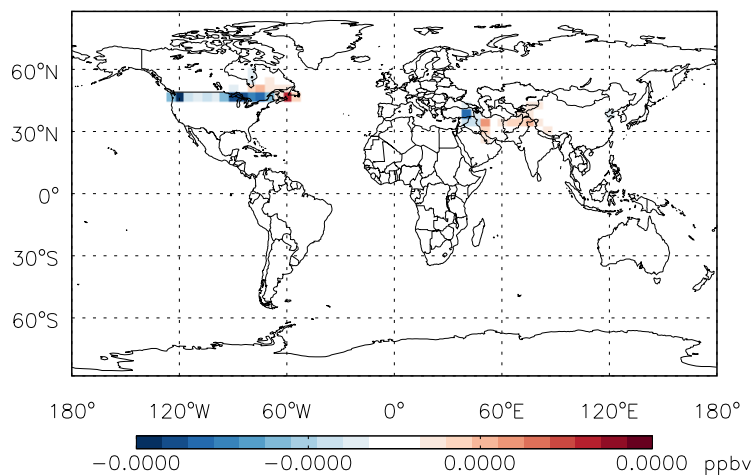
Abs Diff @ 500 hPa - PMN



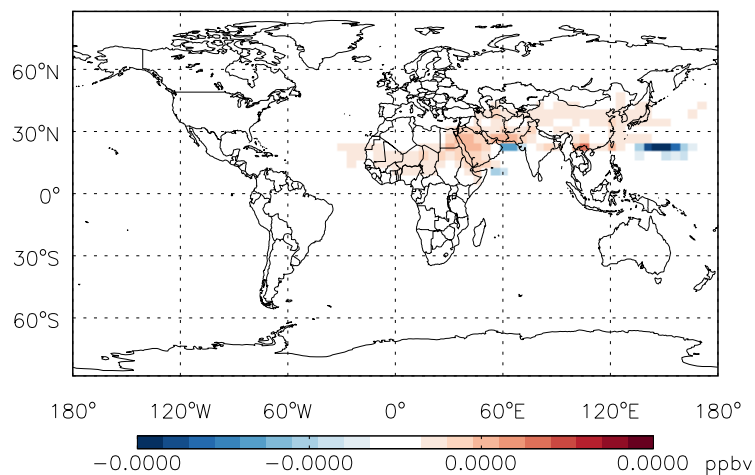
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

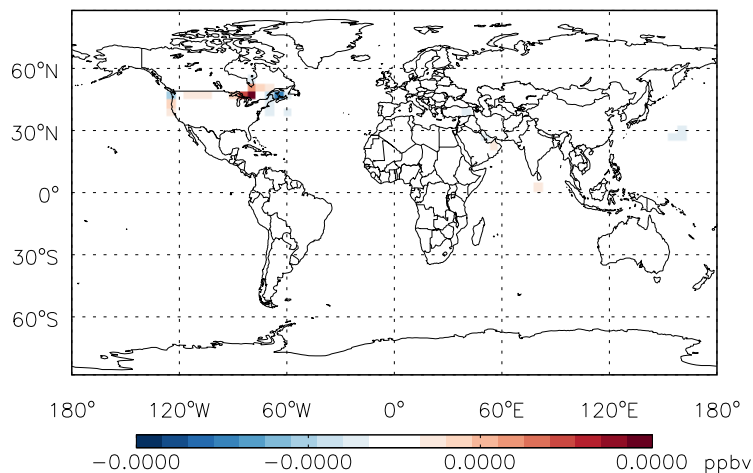
Abs Diff @ Surface - PPN



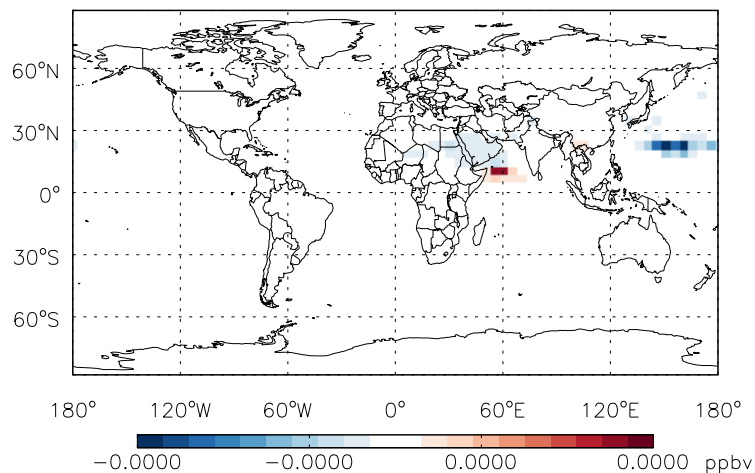
Abs Diff @ 500 hPa - PPN



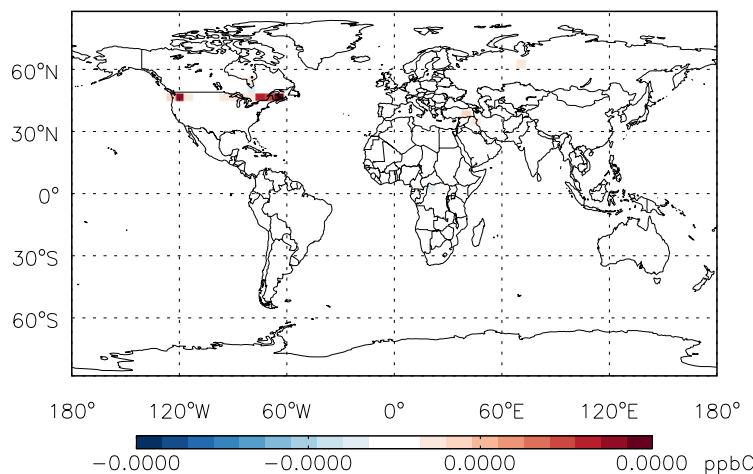
Abs Diff @ Surface - R4N2



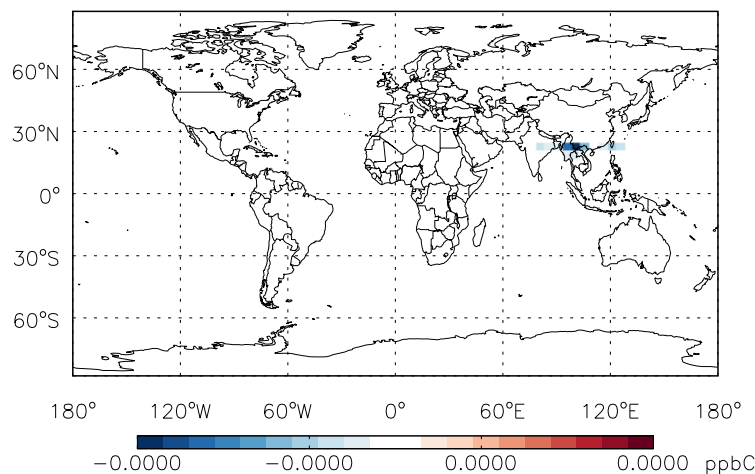
Abs Diff @ 500 hPa - R4N2



Abs Diff @ Surface - PRPE



Abs Diff @ 500 hPa - PRPE

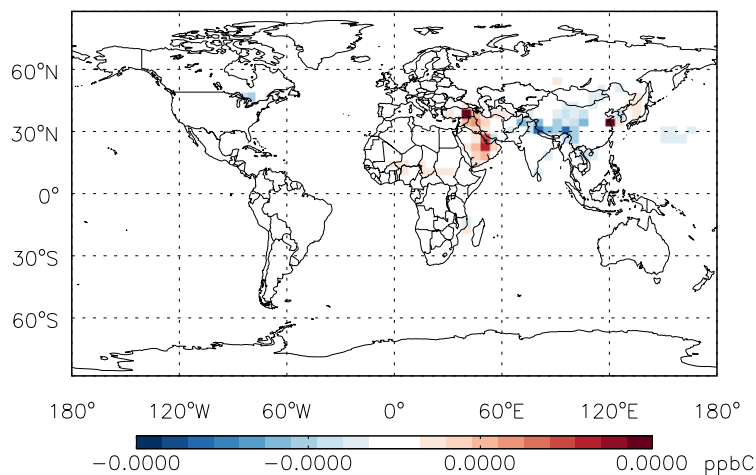




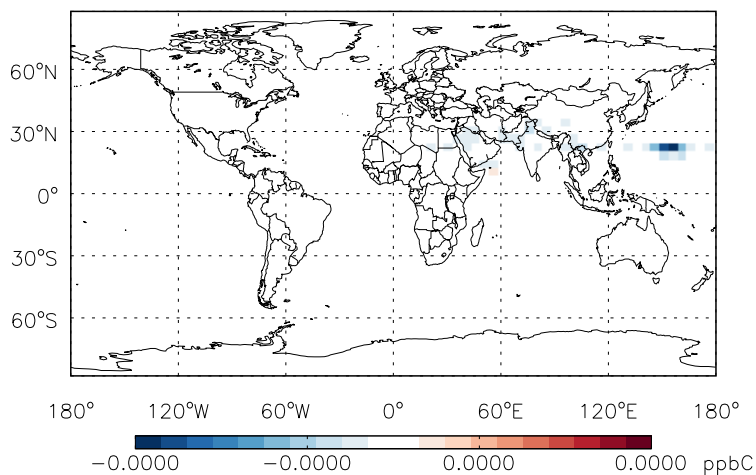
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

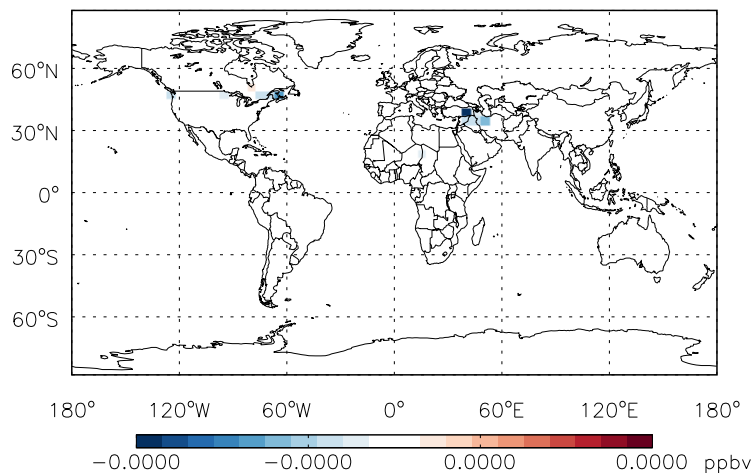
Abs Diff @ Surface - C3H8



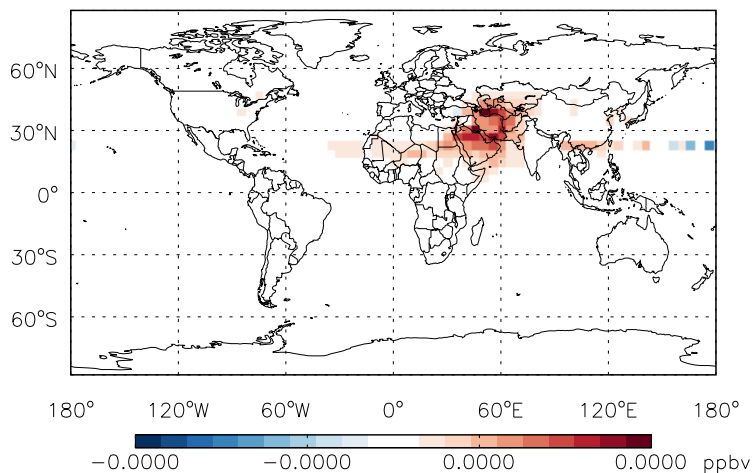
Abs Diff @ 500 hPa - C3H8



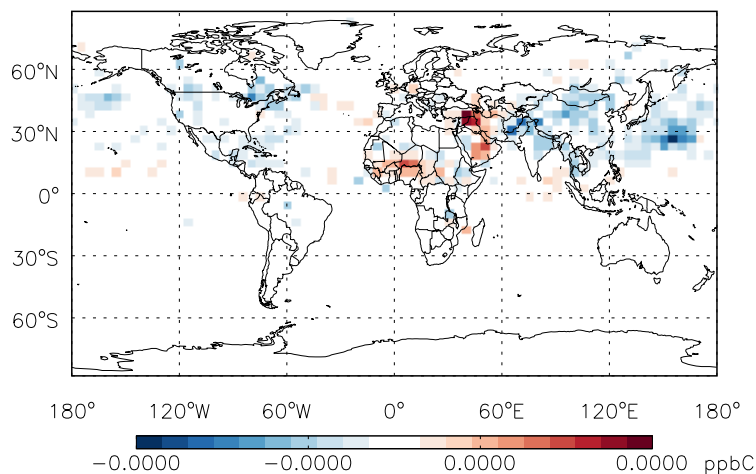
Abs Diff @ Surface - CH2O



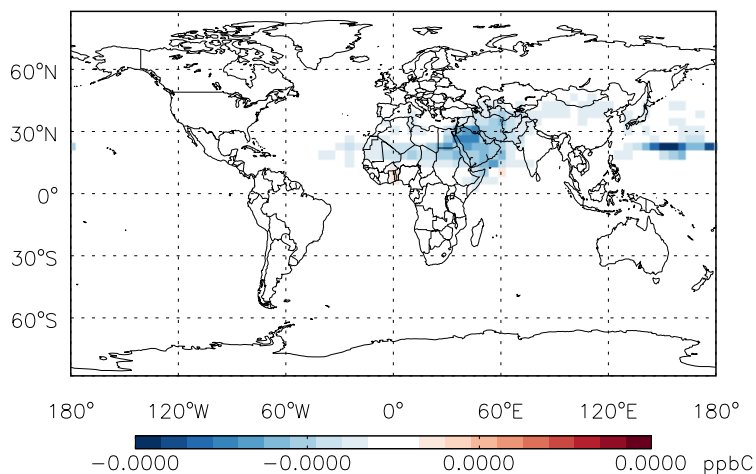
Abs Diff @ 500 hPa - CH2O



Abs Diff @ Surface - C2H6



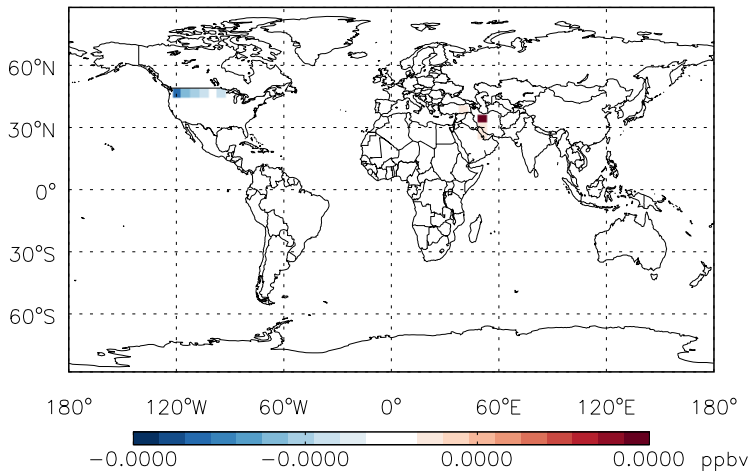
Abs Diff @ 500 hPa - C2H6



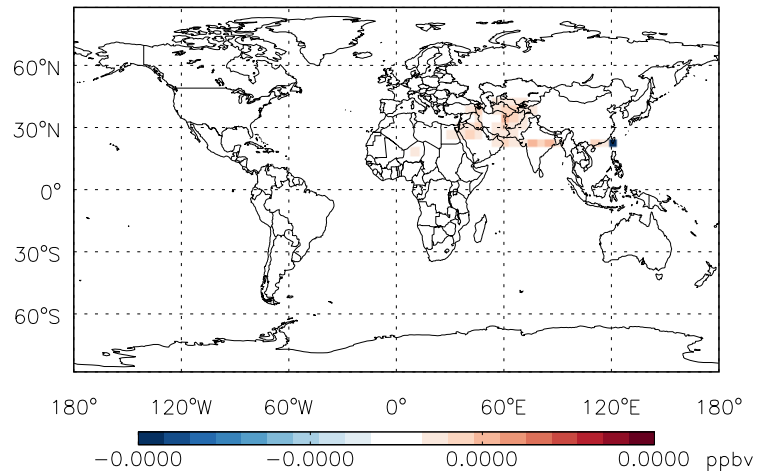
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

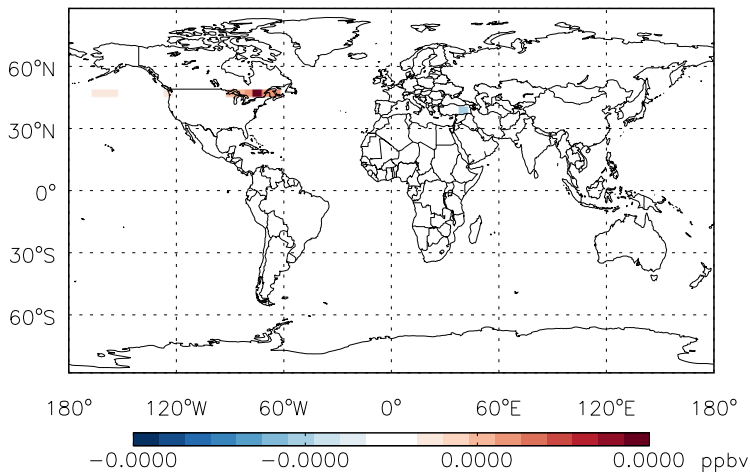
Abs Diff @ Surface - N2O5



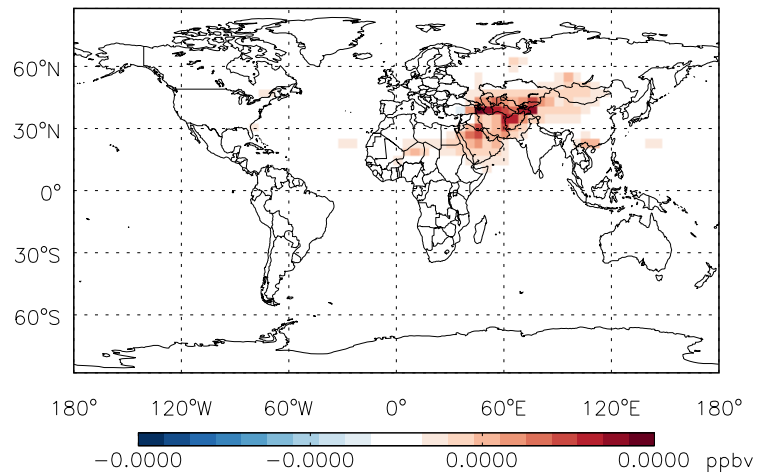
Abs Diff @ 500 hPa - N2O5



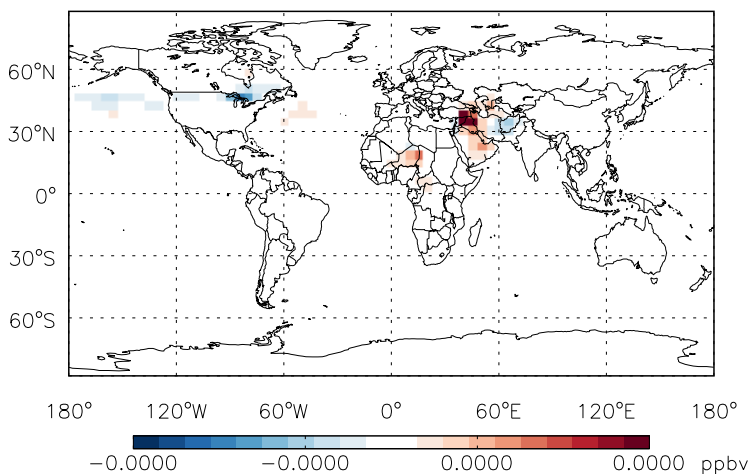
Abs Diff @ Surface - HNO4



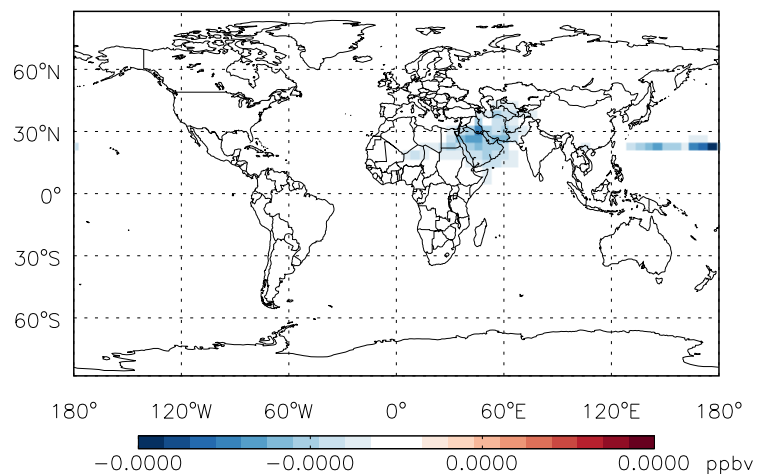
Abs Diff @ 500 hPa - HNO4



Abs Diff @ Surface - MP



Abs Diff @ 500 hPa - MP

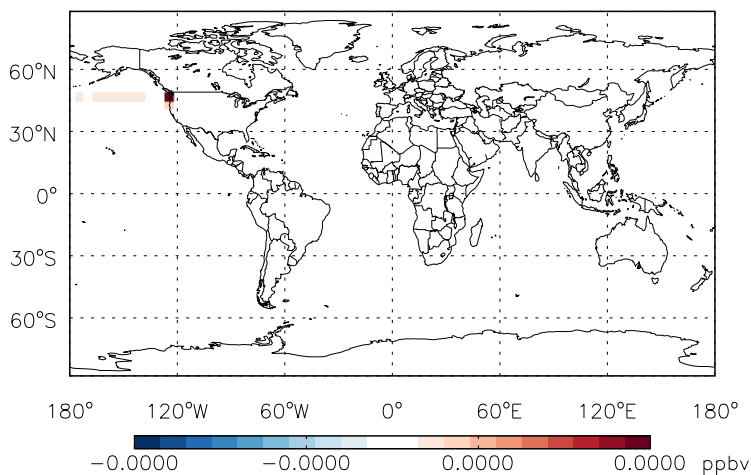




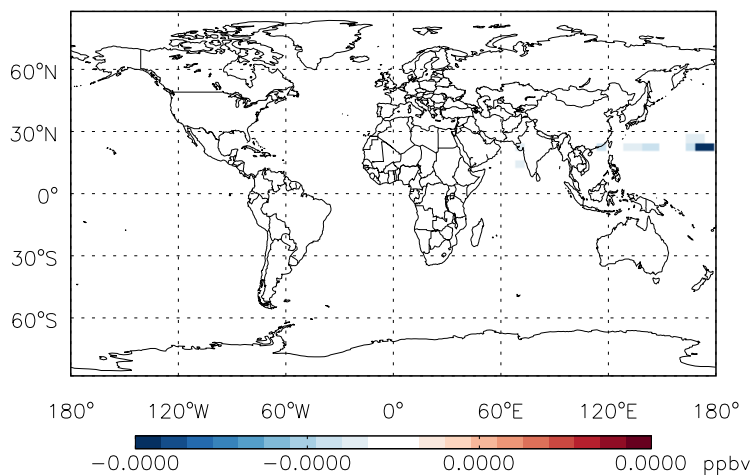
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

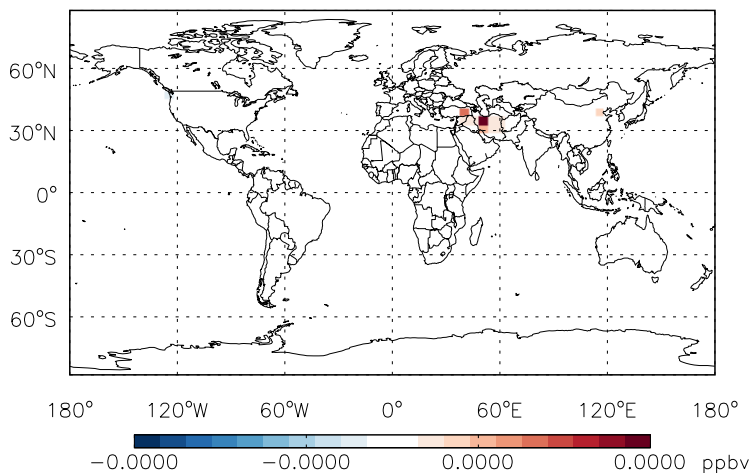
Abs Diff @ Surface - DMS



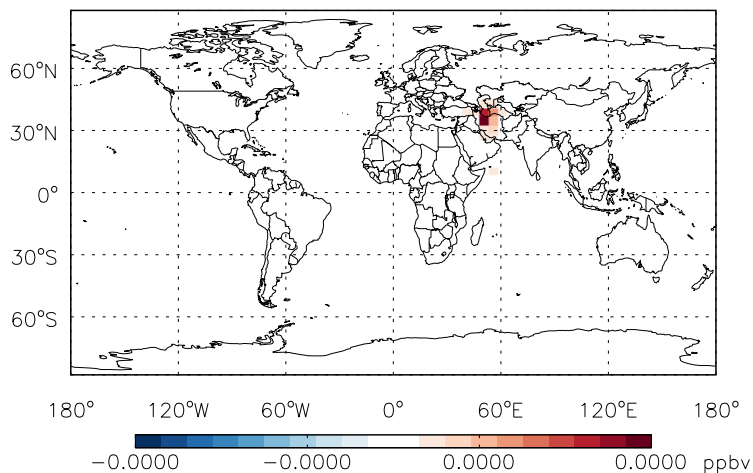
Abs Diff @ 500 hPa - DMS



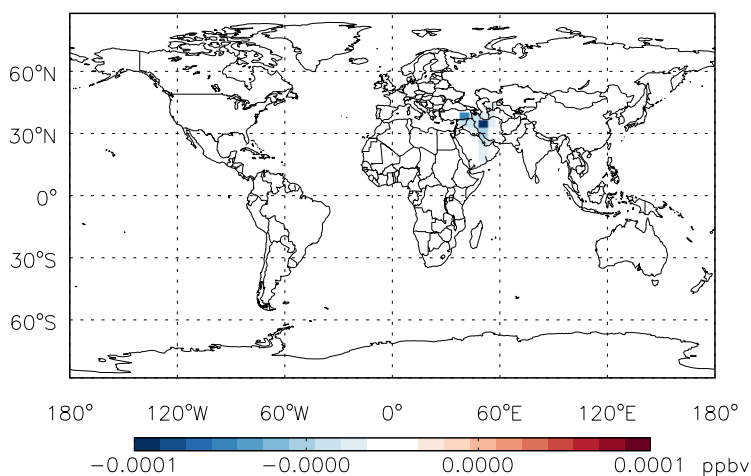
Abs Diff @ Surface - SO2



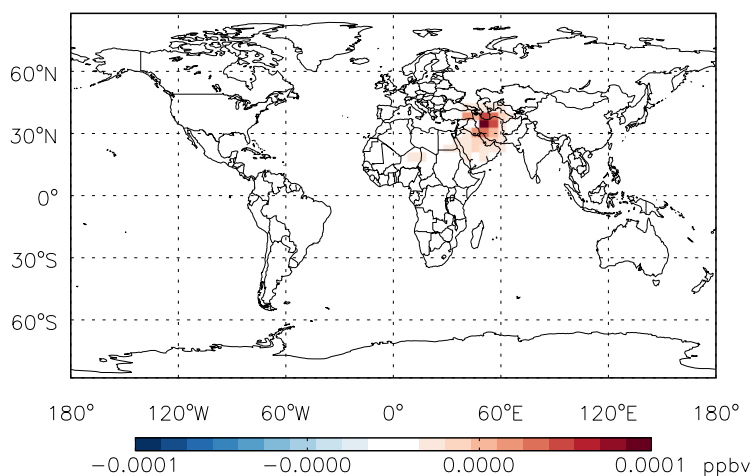
Abs Diff @ 500 hPa - SO2



Abs Diff @ Surface - SO4



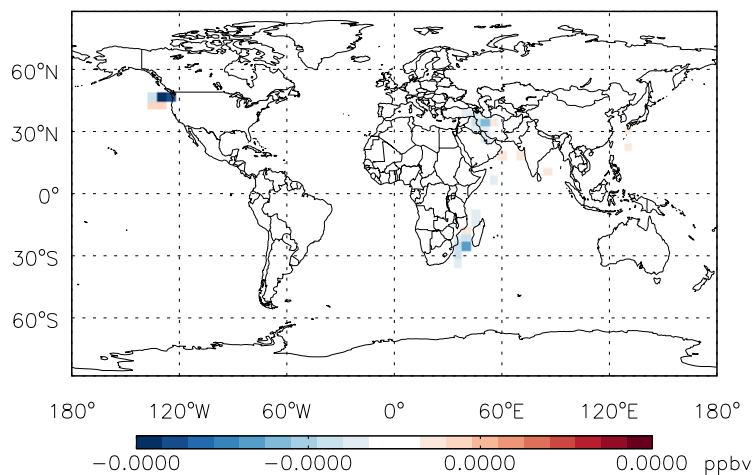
Abs Diff @ 500 hPa - SO4



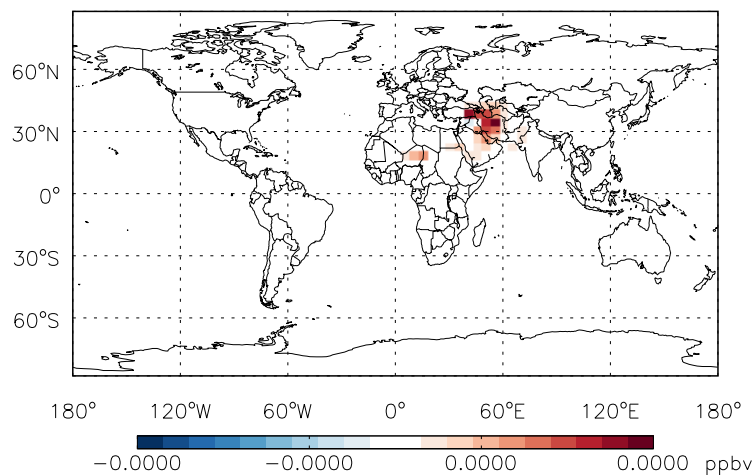
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

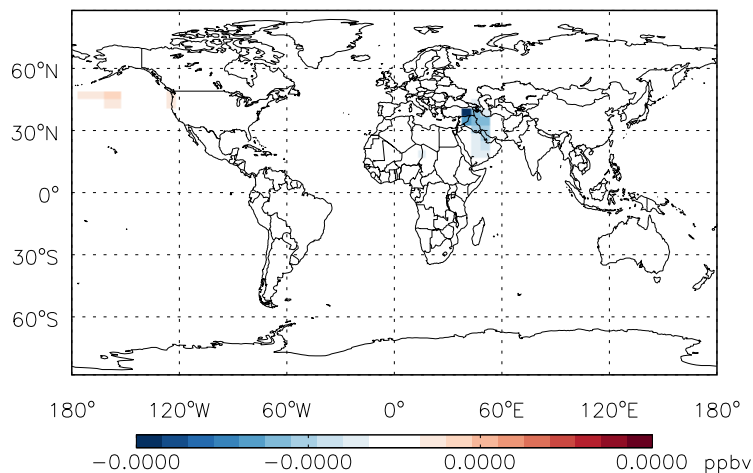
Abs Diff @ Surface - SO4s



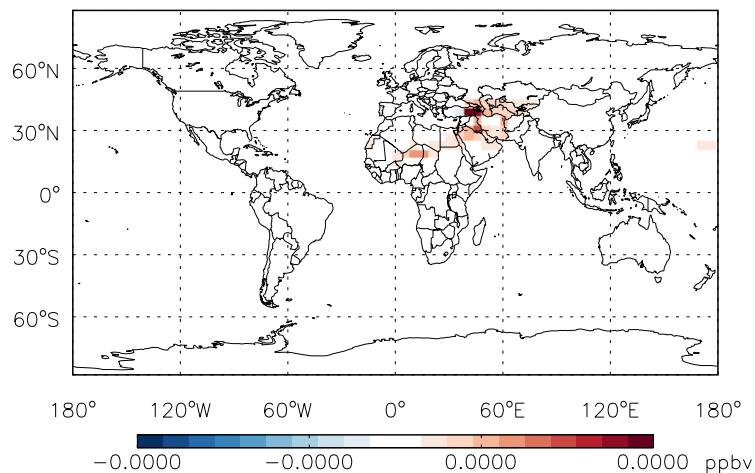
Abs Diff @ 500 hPa - SO4s



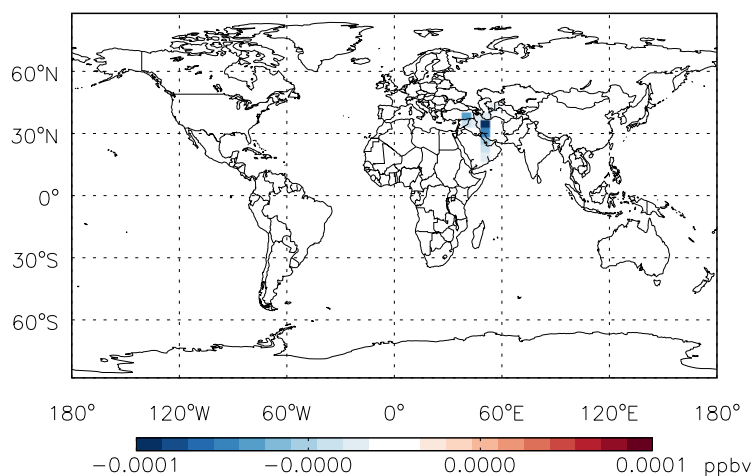
Abs Diff @ Surface - MSA



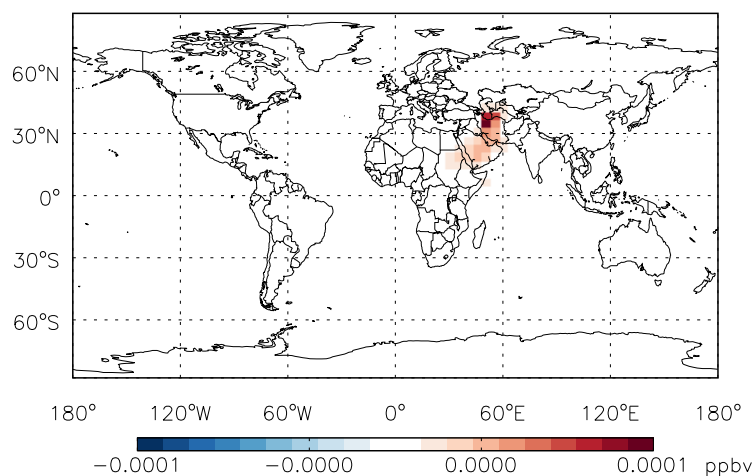
Abs Diff @ 500 hPa - MSA



Abs Diff @ Surface - NH3



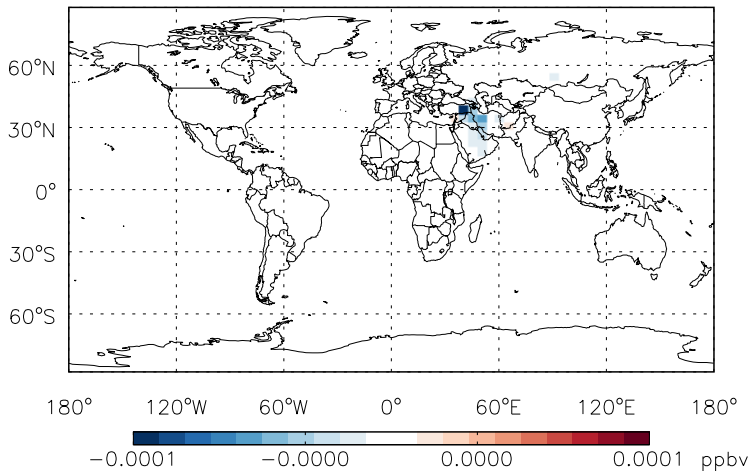
Abs Diff @ 500 hPa - NH3



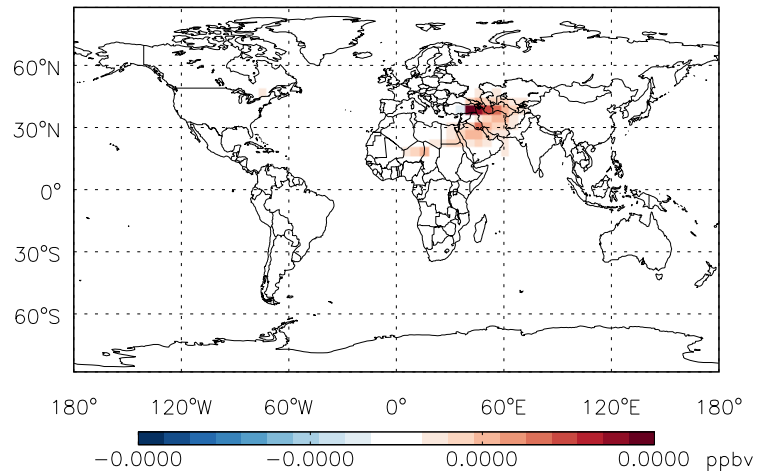
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

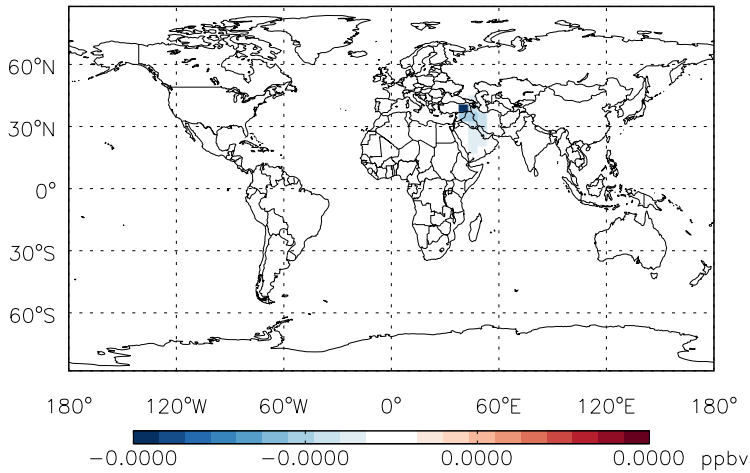
Abs Diff @ Surface - NH4



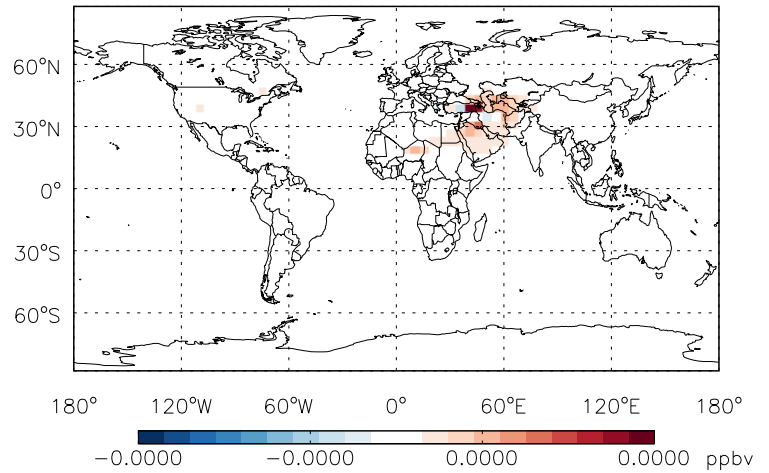
Abs Diff @ 500 hPa - NH4



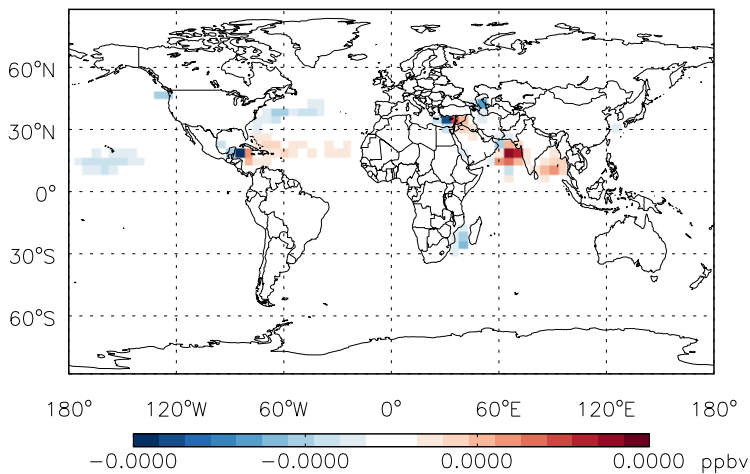
Abs Diff @ Surface - NIT



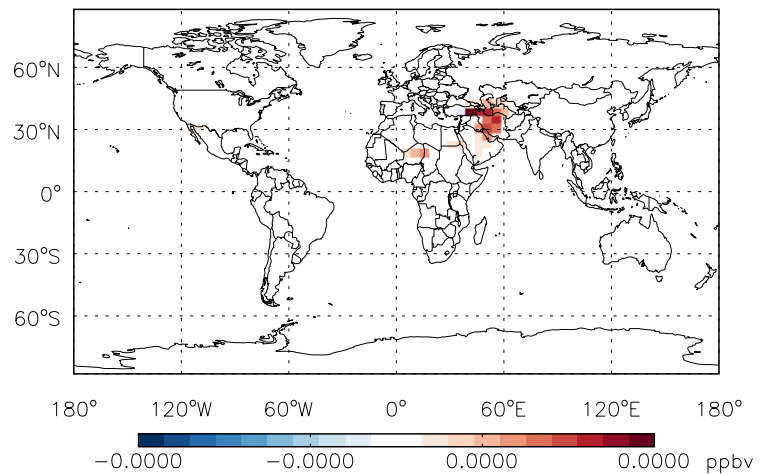
Abs Diff @ 500 hPa - NIT



Abs Diff @ Surface - NITs



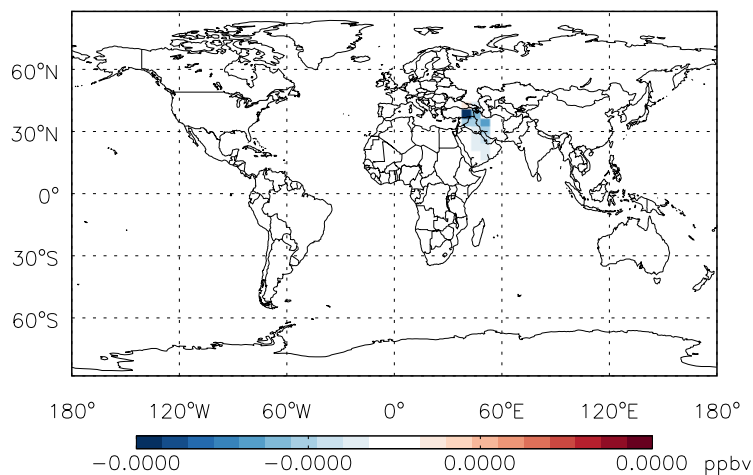
Abs Diff @ 500 hPa - NITs



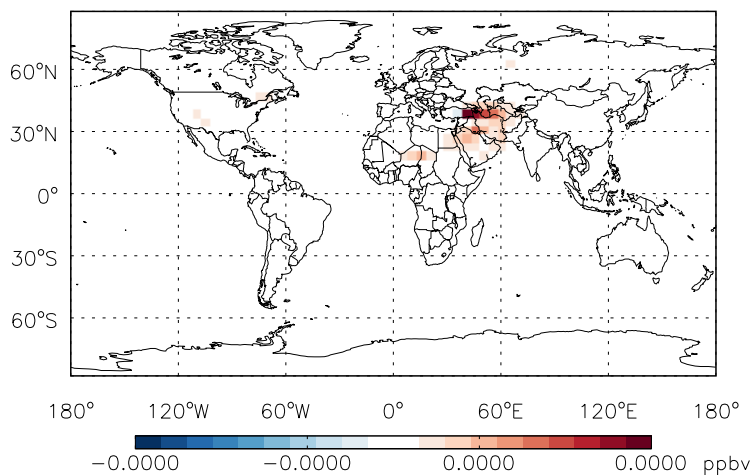
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

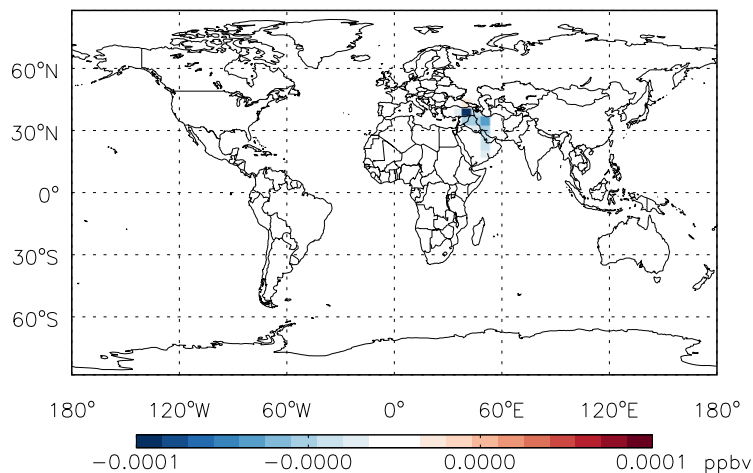
Abs Diff @ Surface - BCPI



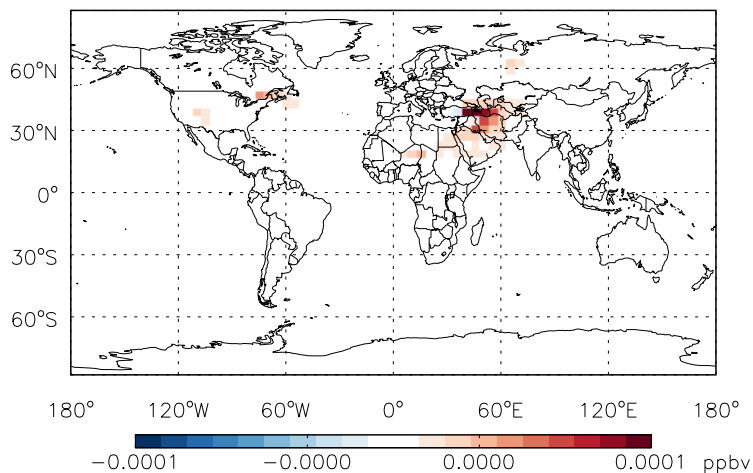
Abs Diff @ 500 hPa - BCPI



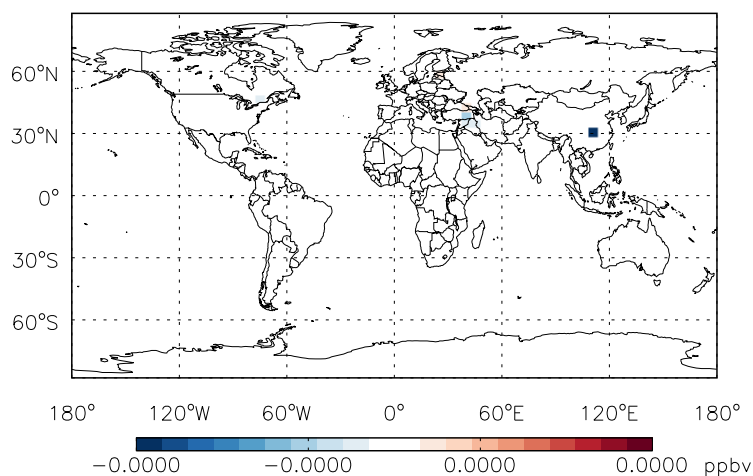
Abs Diff @ Surface - OCPI



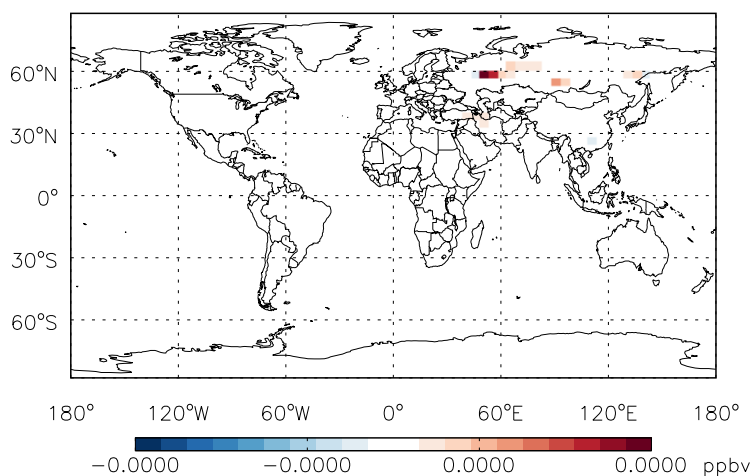
Abs Diff @ 500 hPa - OCPI



Abs Diff @ Surface - BCPO



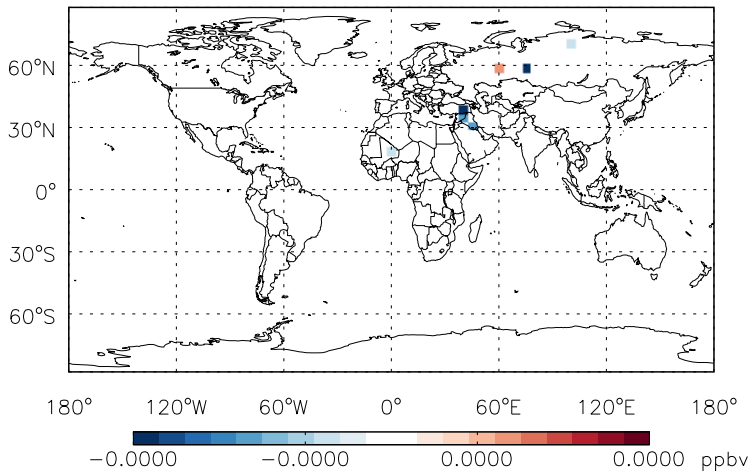
Abs Diff @ 500 hPa - BCPO



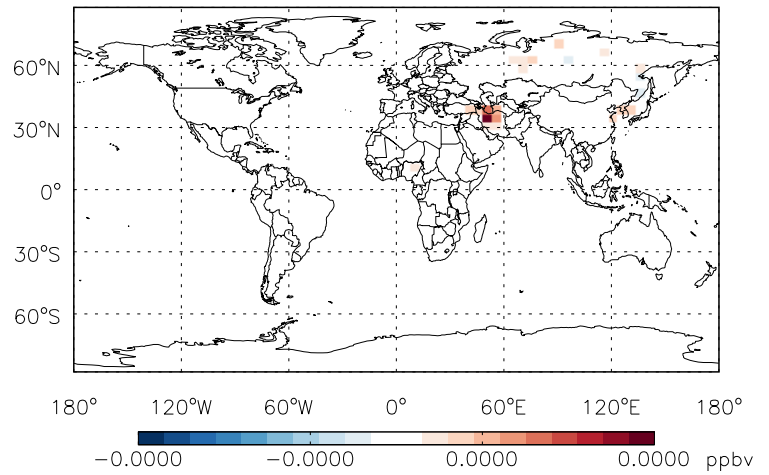
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

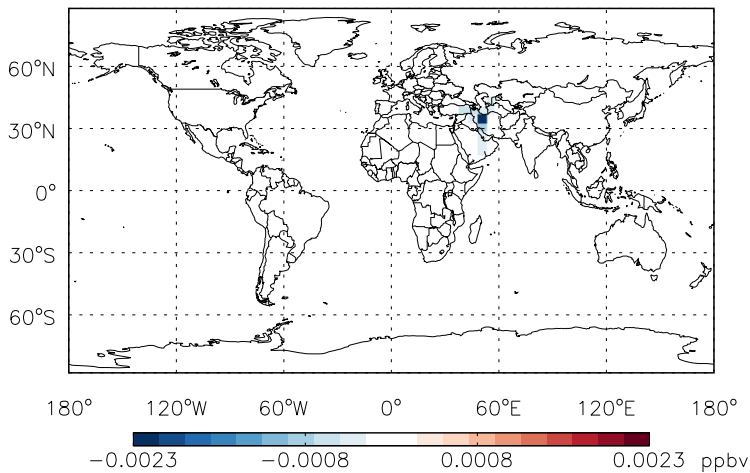
Abs Diff @ Surface - OCPO



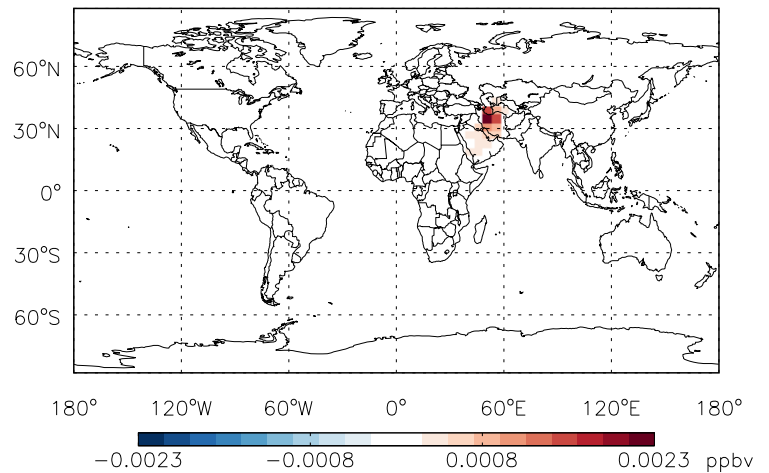
Abs Diff @ 500 hPa - OCPO



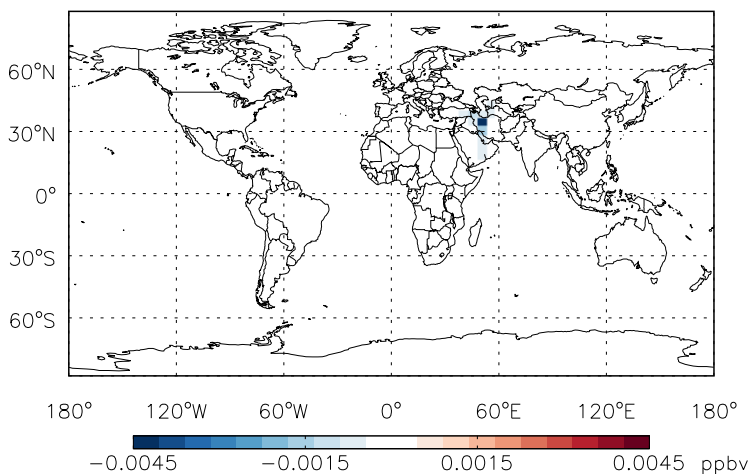
Abs Diff @ Surface - DST1



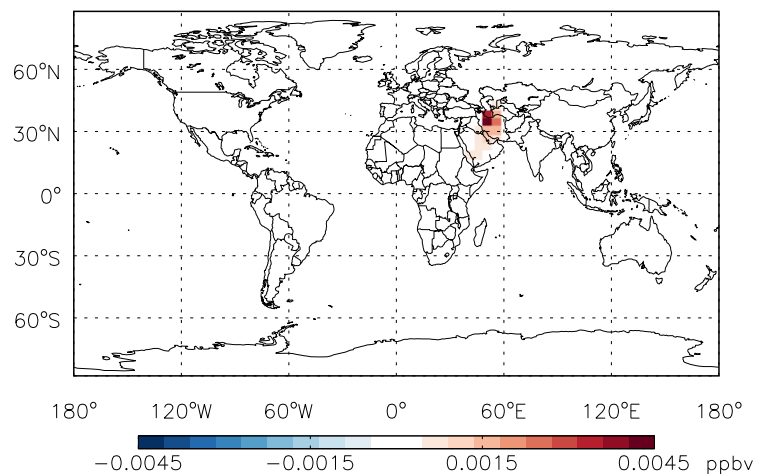
Abs Diff @ 500 hPa - DST1



Abs Diff @ Surface - DST2



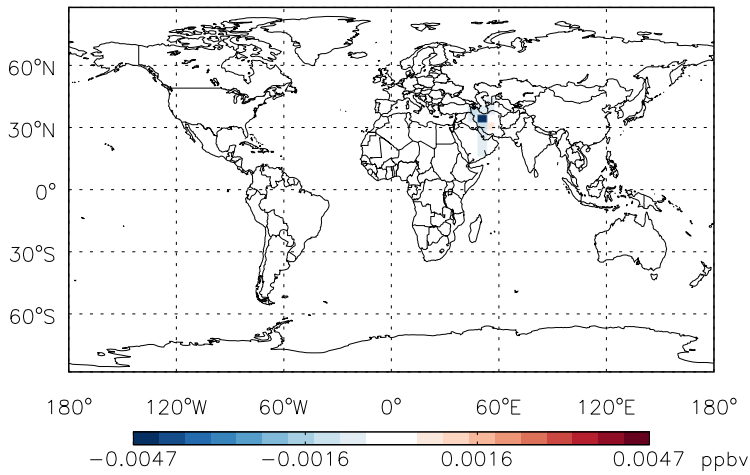
Abs Diff @ 500 hPa - DST2



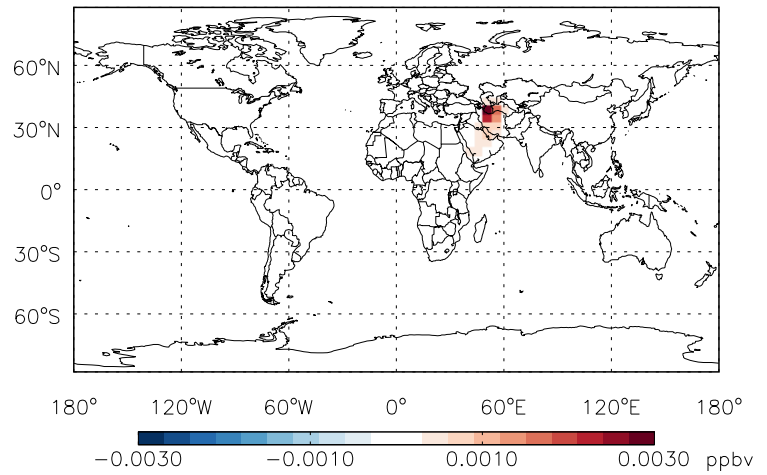
GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

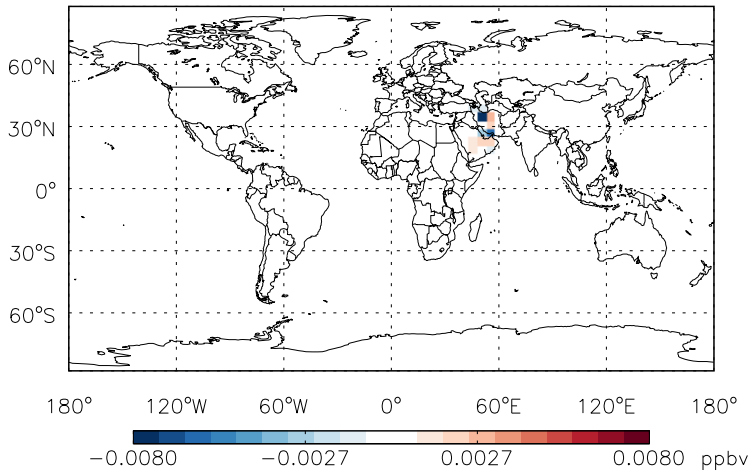
Abs Diff @ Surface - DST3



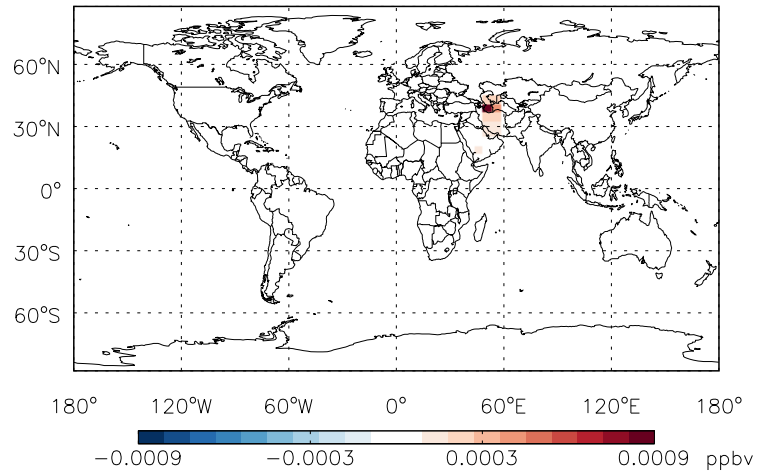
Abs Diff @ 500 hPa - DST3



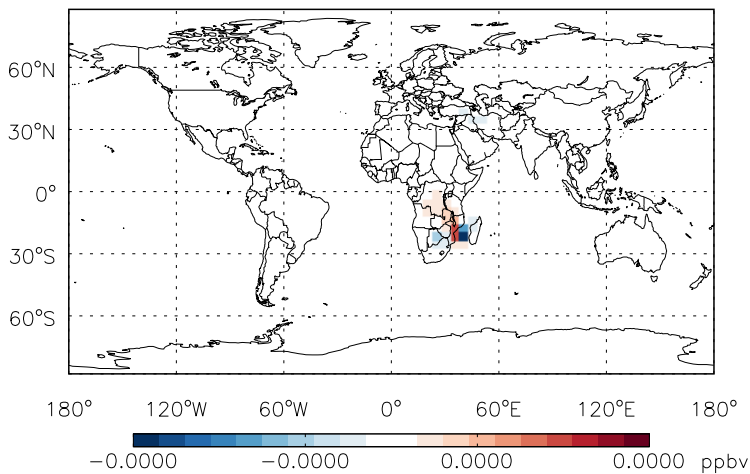
Abs Diff @ Surface - DST4



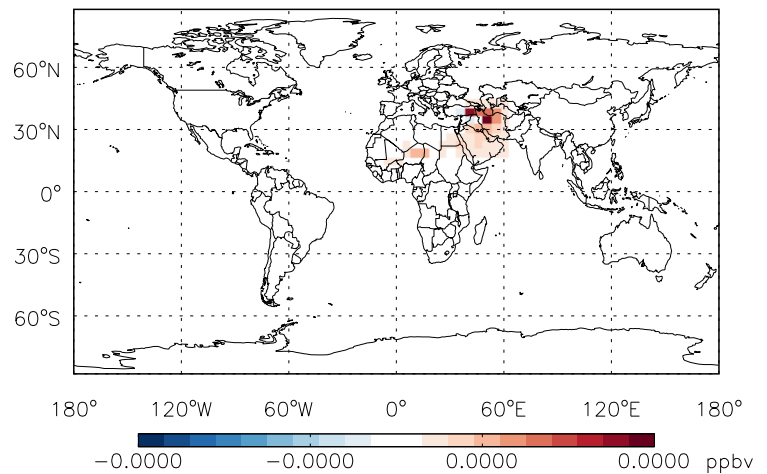
Abs Diff @ 500 hPa - DST4



Abs Diff @ Surface - SALA



Abs Diff @ 500 hPa - SALA

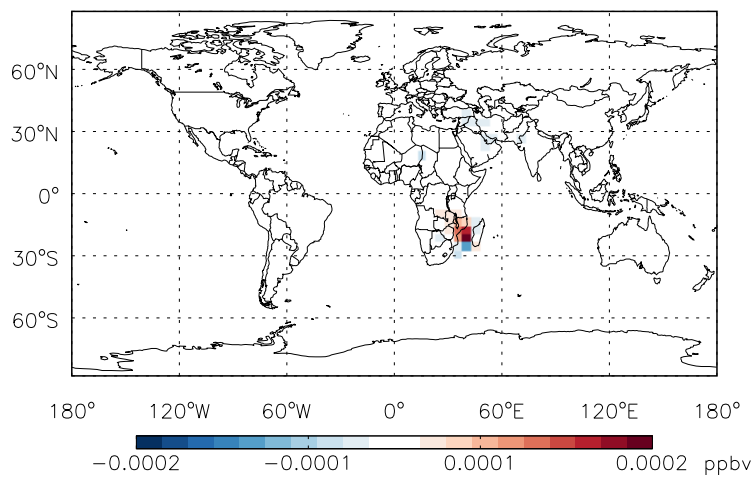




GEOS-Chem v9-01-03g Absolute Differences (dyn range) at Surface and 500 hPa

ctm.bpch.v9-01-03g\_Nolsor - ctm.bpch.v9-01-03f\_Nolsor

Abs Diff @ Surface - SALC



Abs Diff @ 500 hPa - SALC

