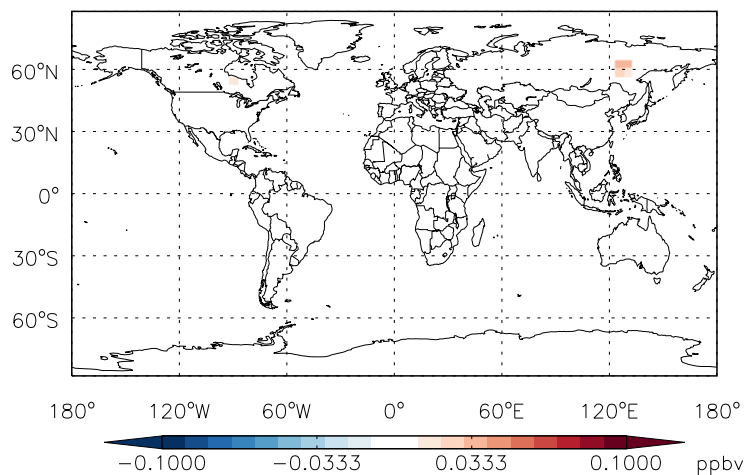


GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

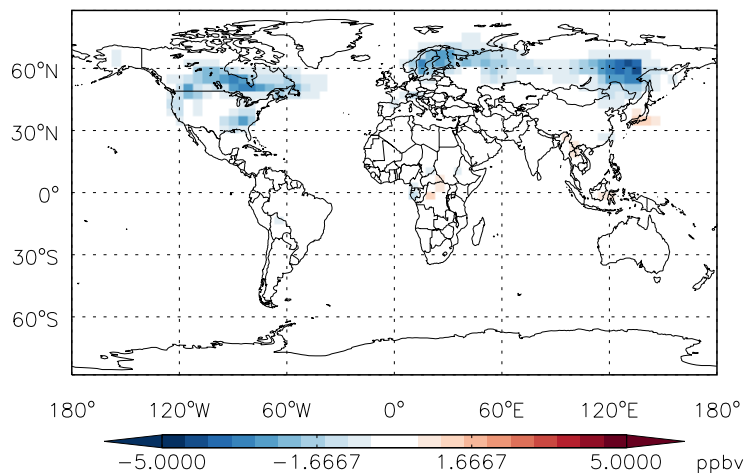
Abs Diff @ Surface - NO



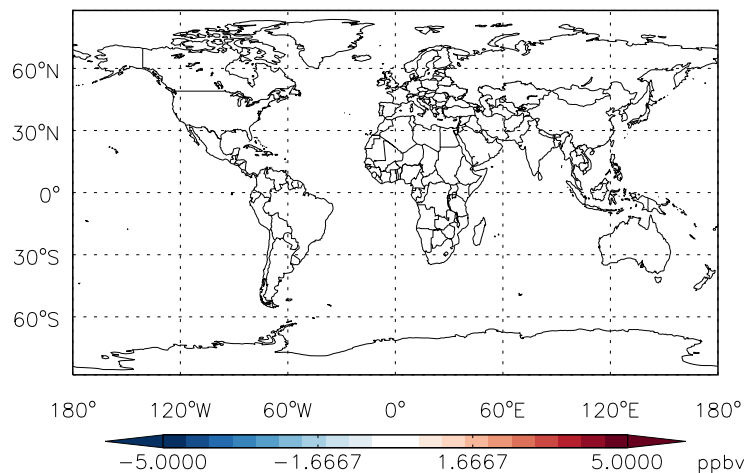
Abs Diff @ 500 hPa - NO



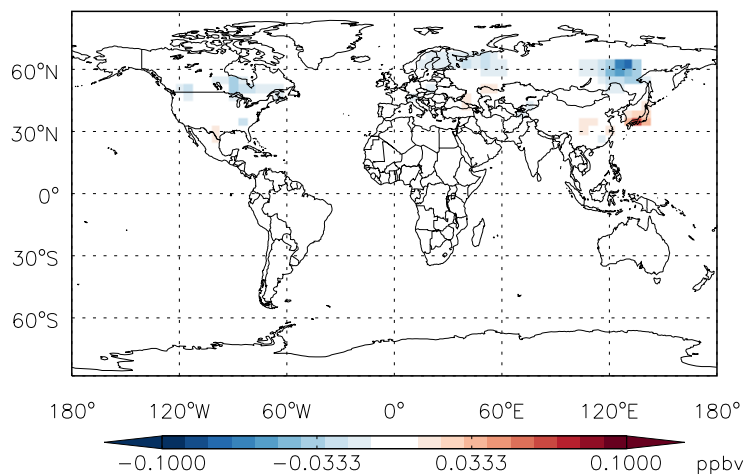
Abs Diff @ Surface - O3



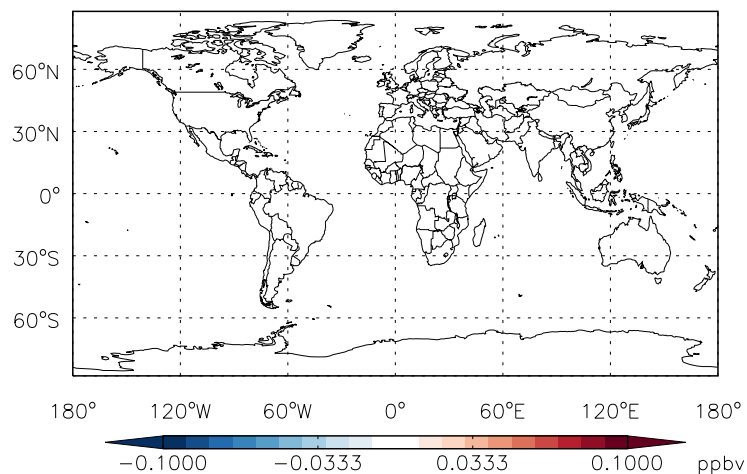
Abs Diff @ 500 hPa - O3



Abs Diff @ Surface - PAN



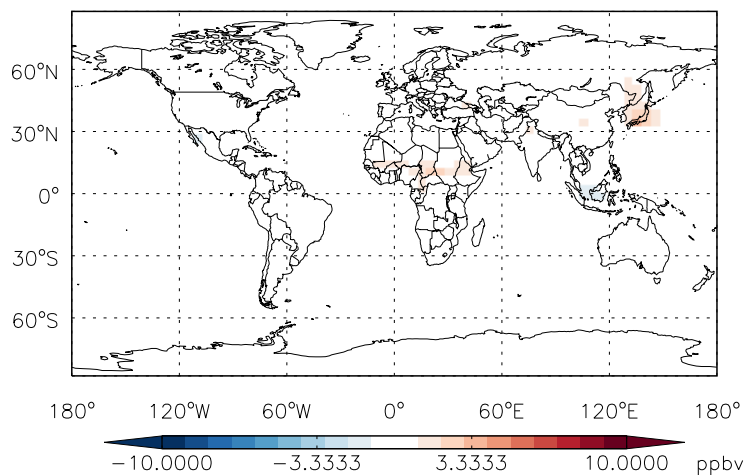
Abs Diff @ 500 hPa - PAN



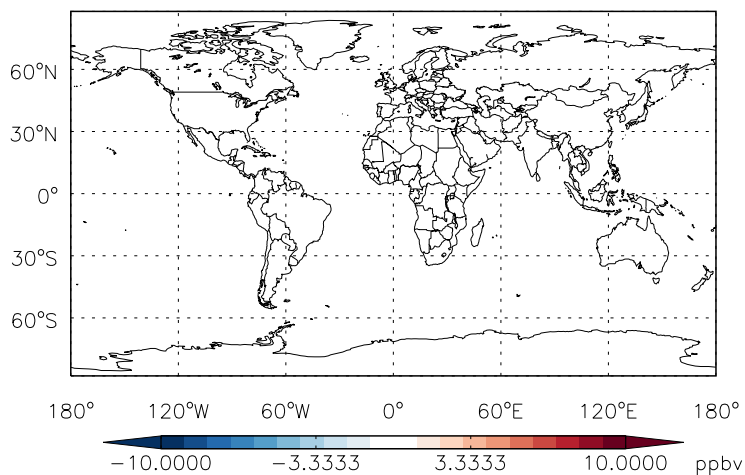
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

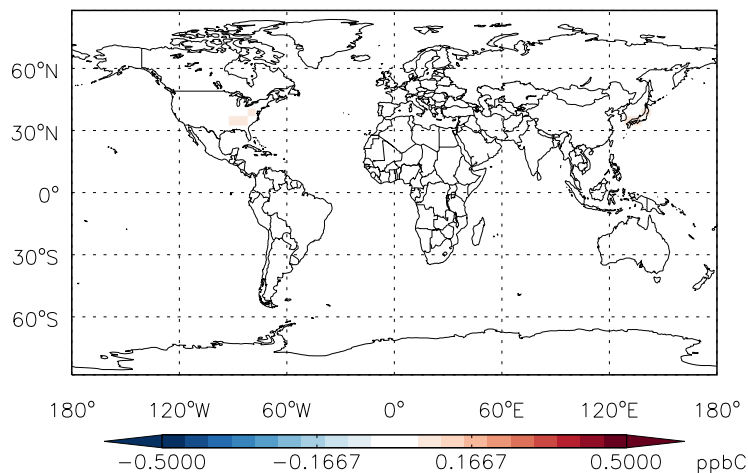
Abs Diff @ Surface - CO



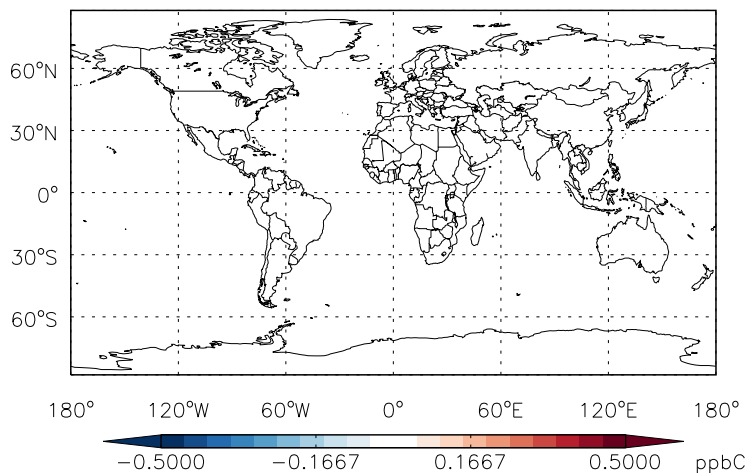
Abs Diff @ 500 hPa - CO



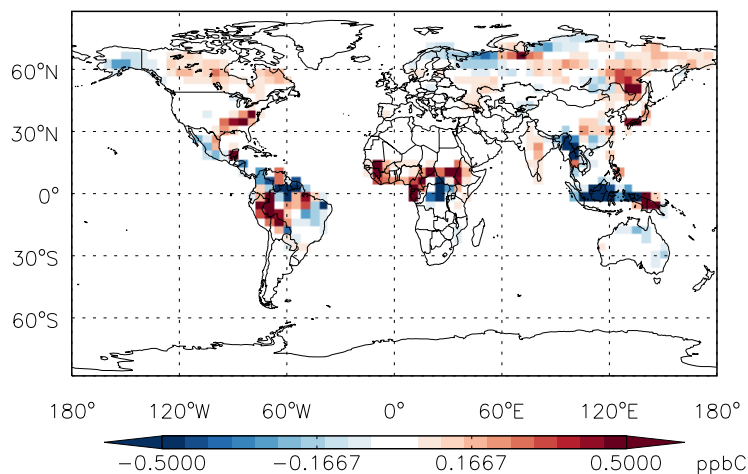
Abs Diff @ Surface - ALK4



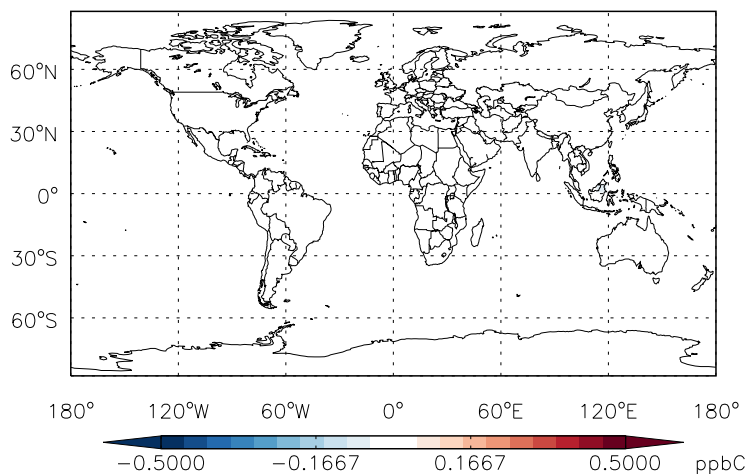
Abs Diff @ 500 hPa - ALK4



Abs Diff @ Surface - ISOP



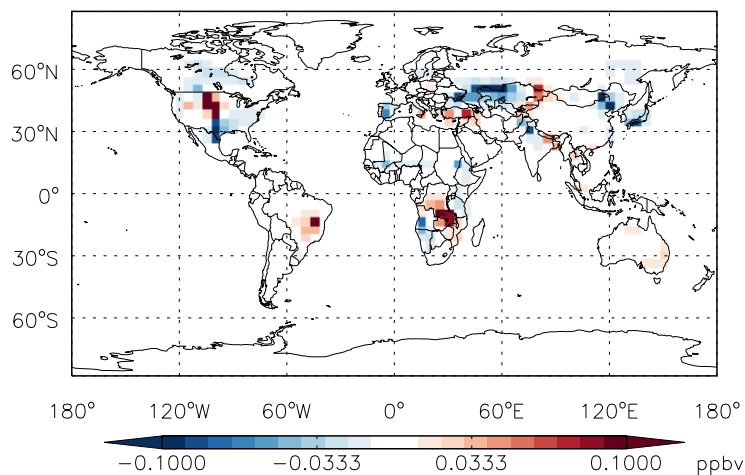
Abs Diff @ 500 hPa - ISOP



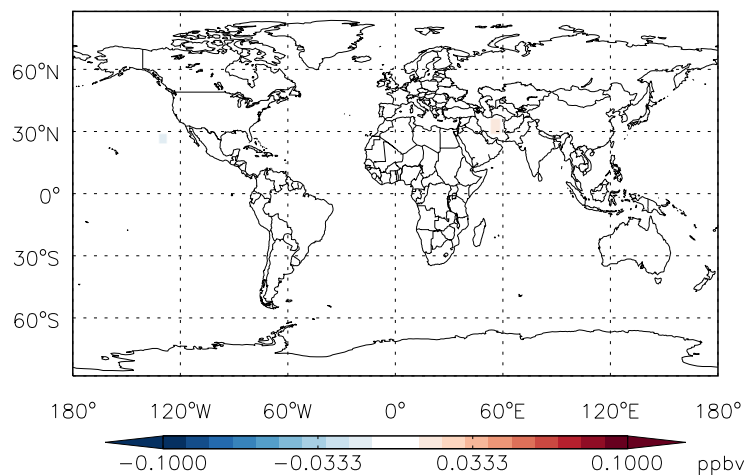
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

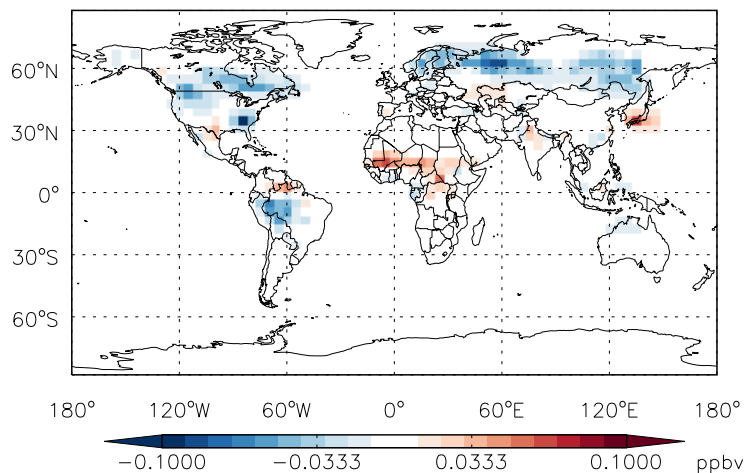
Abs Diff @ Surface - HNO<sub>3</sub>



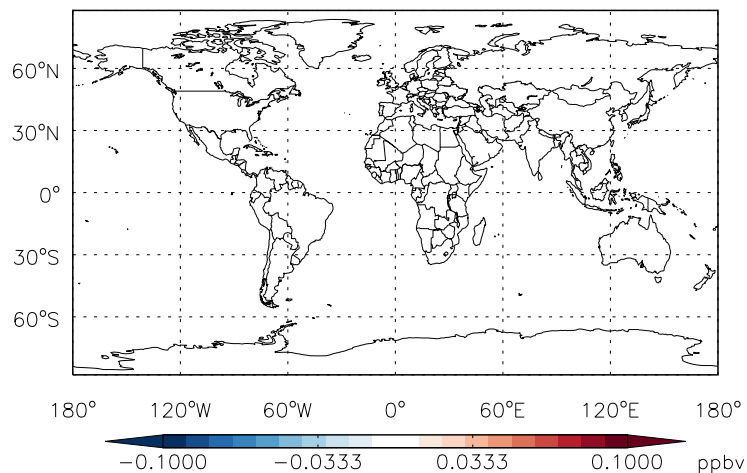
Abs Diff @ 500 hPa - HNO<sub>3</sub>



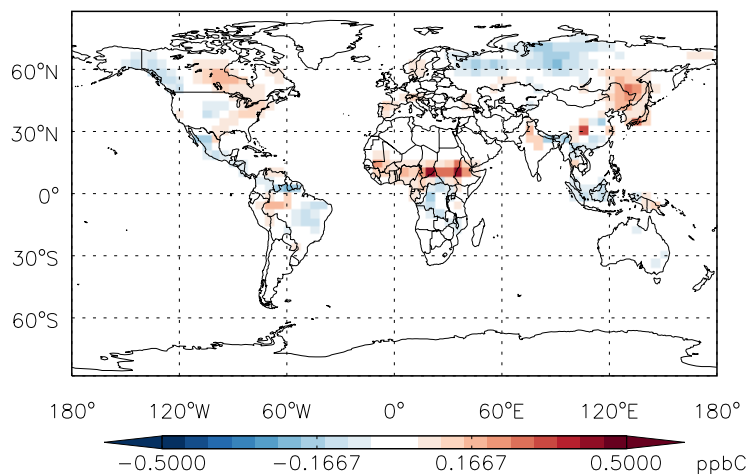
Abs Diff @ Surface - H<sub>2</sub>O<sub>2</sub>



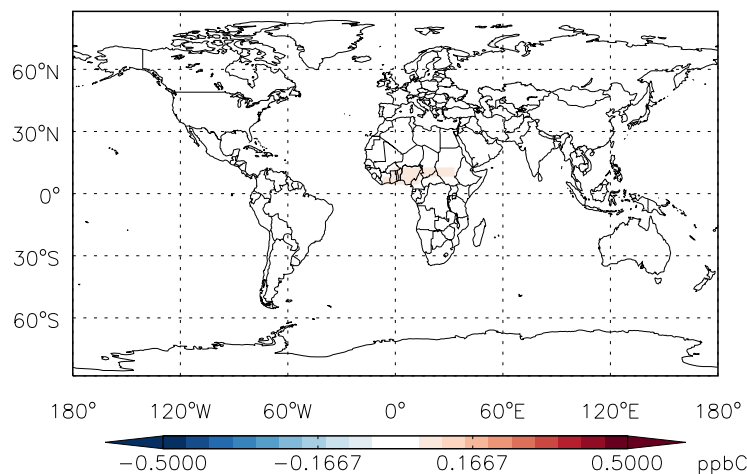
Abs Diff @ 500 hPa - H<sub>2</sub>O<sub>2</sub>



Abs Diff @ Surface - ACET



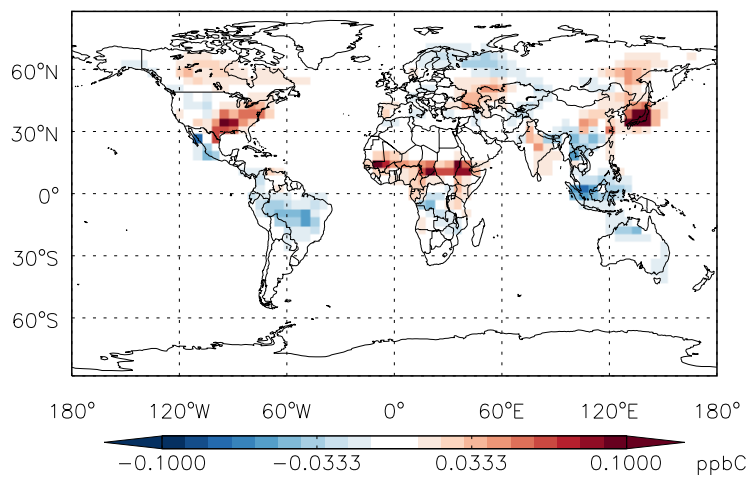
Abs Diff @ 500 hPa - ACET



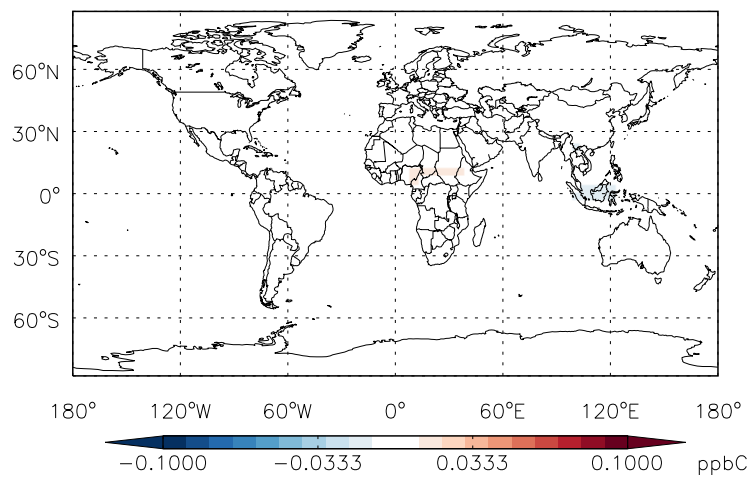
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

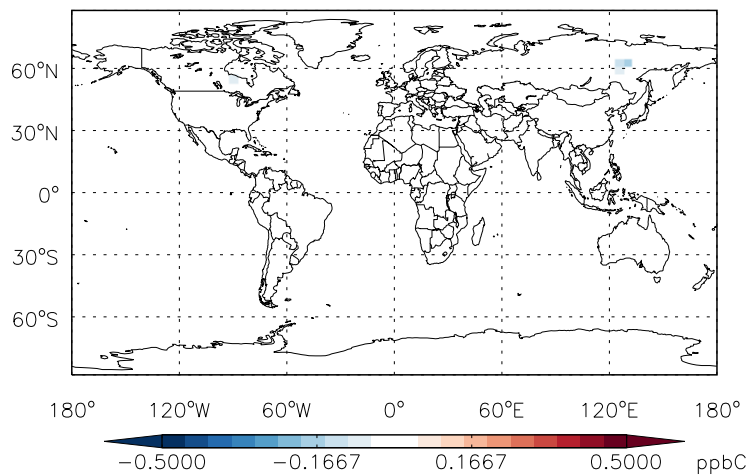
Abs Diff @ Surface - MEK



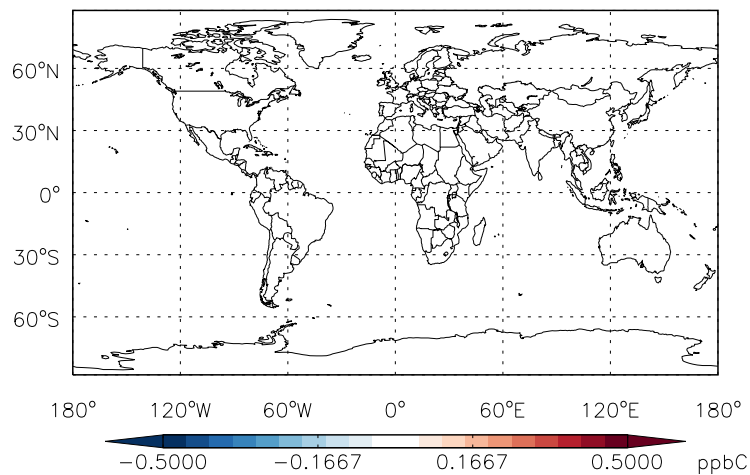
Abs Diff @ 500 hPa - MEK



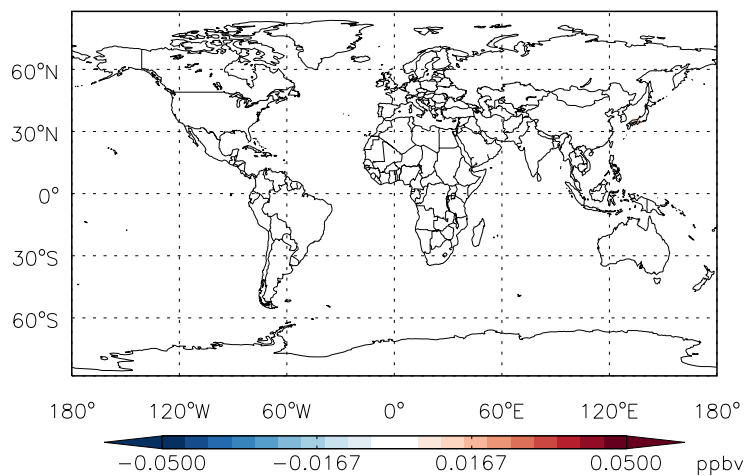
Abs Diff @ Surface - ALD2



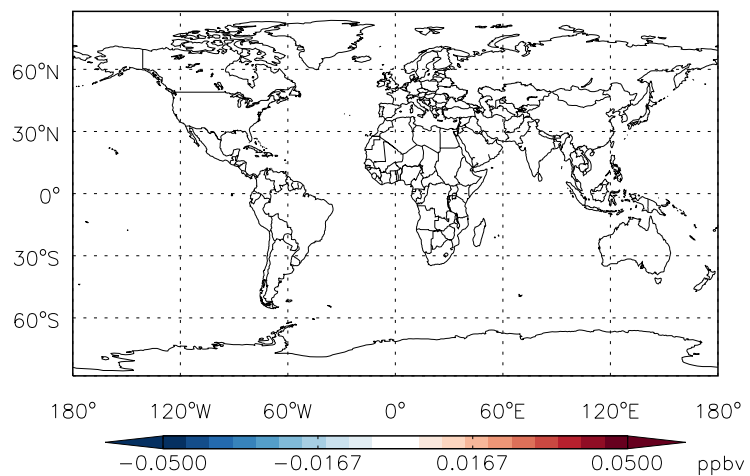
Abs Diff @ 500 hPa - ALD2



Abs Diff @ Surface - RCHO



Abs Diff @ 500 hPa - RCHO

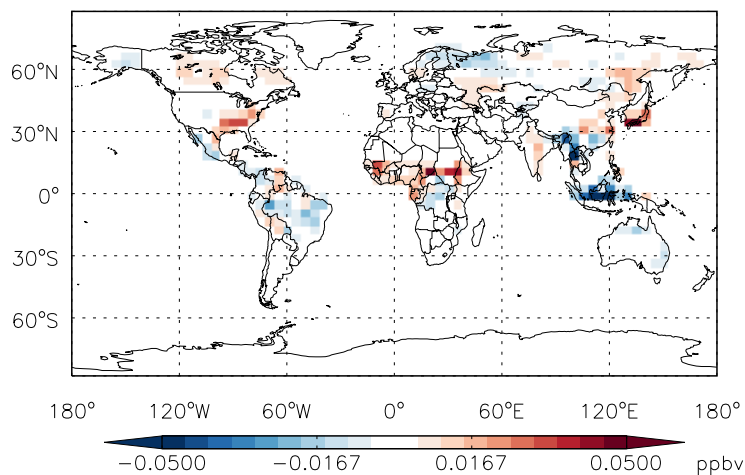




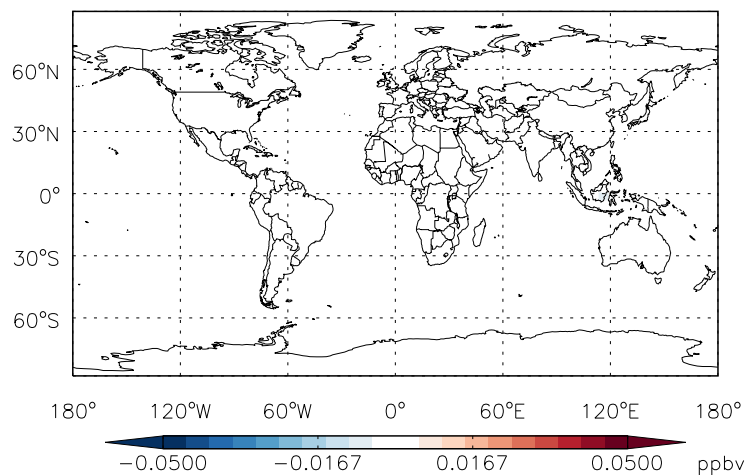
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

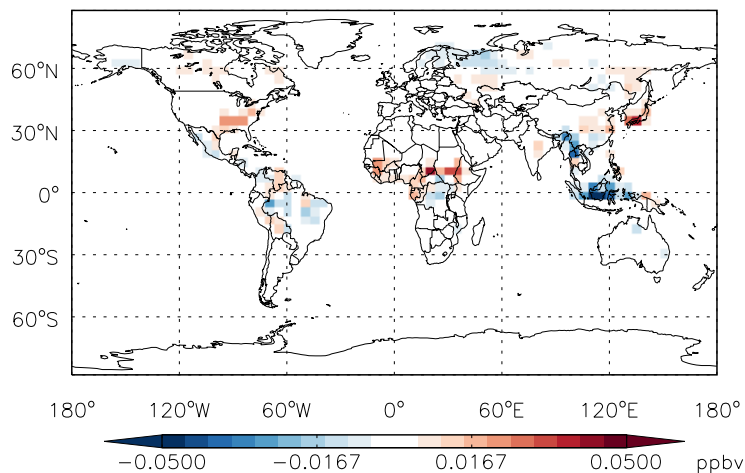
Abs Diff @ Surface - MVK



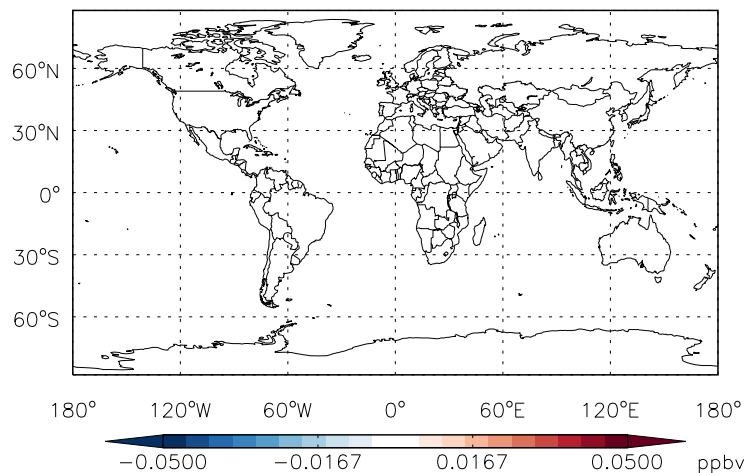
Abs Diff @ 500 hPa - MVK



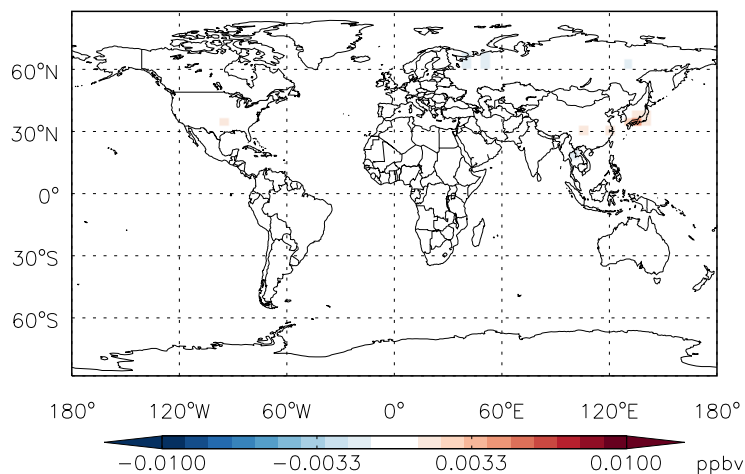
Abs Diff @ Surface - MACR



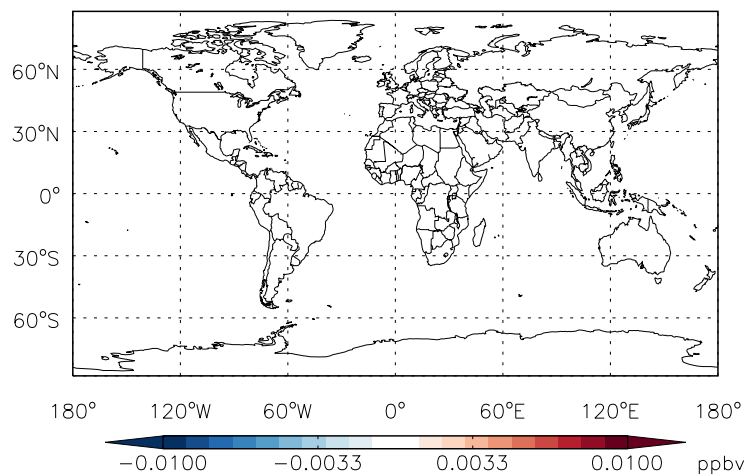
Abs Diff @ 500 hPa - MACR



Abs Diff @ Surface - PMN



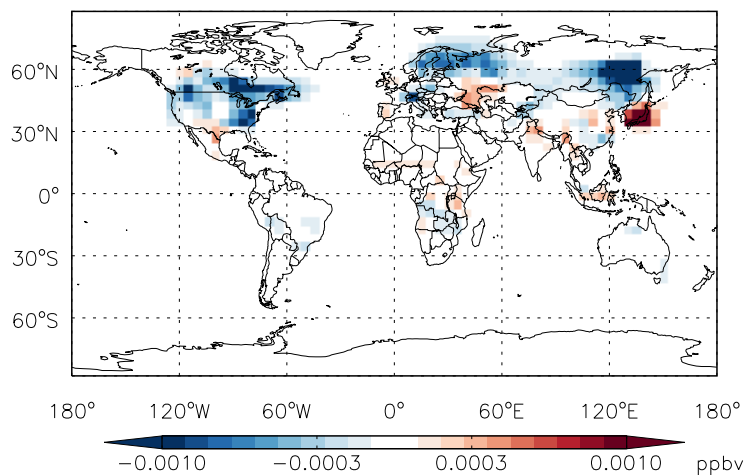
Abs Diff @ 500 hPa - PMN



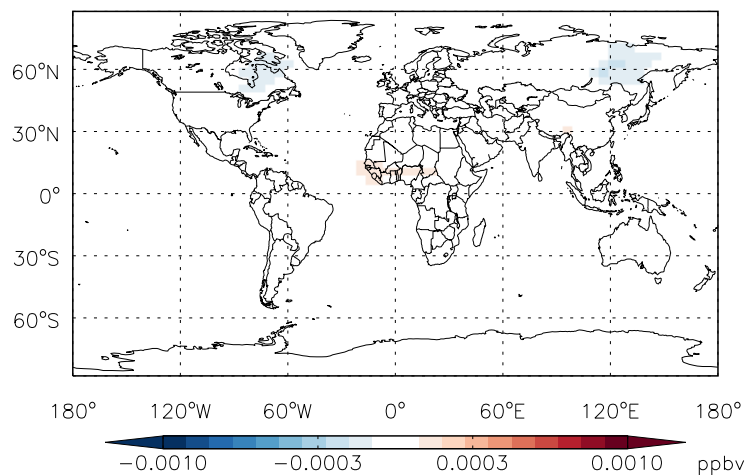
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

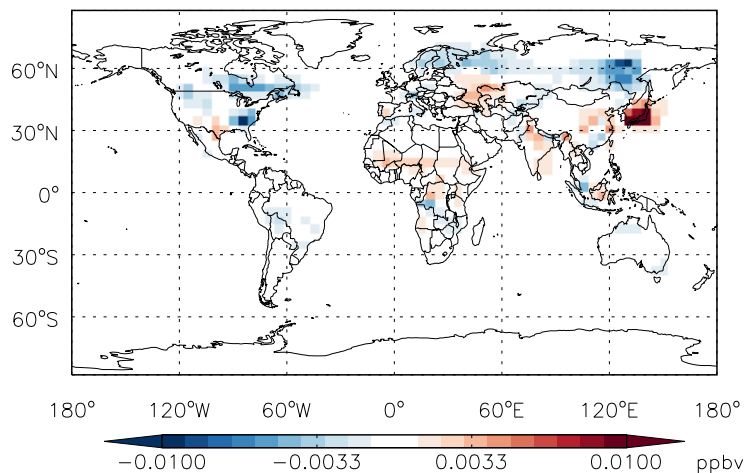
Abs Diff @ Surface - PPN



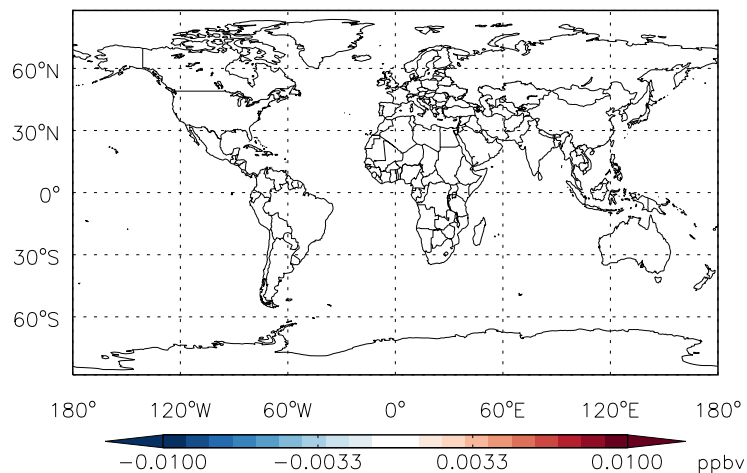
Abs Diff @ 500 hPa - PPN



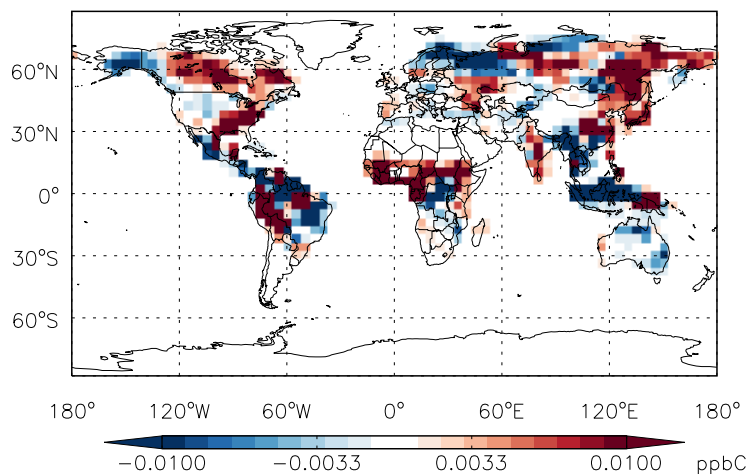
Abs Diff @ Surface - R4N2



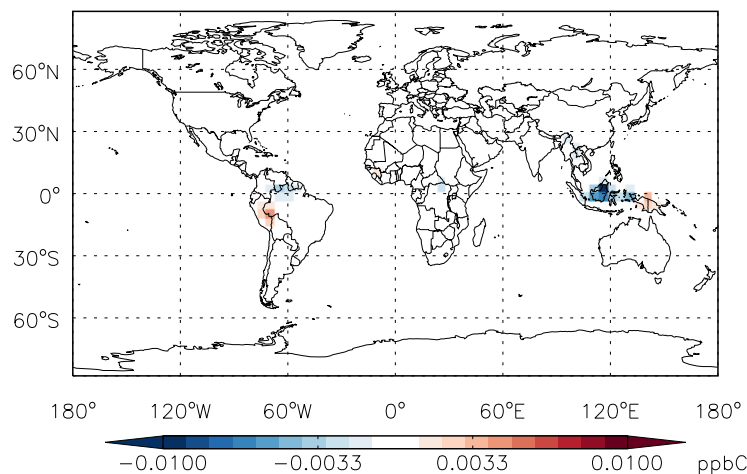
Abs Diff @ 500 hPa - R4N2



Abs Diff @ Surface - PRPE



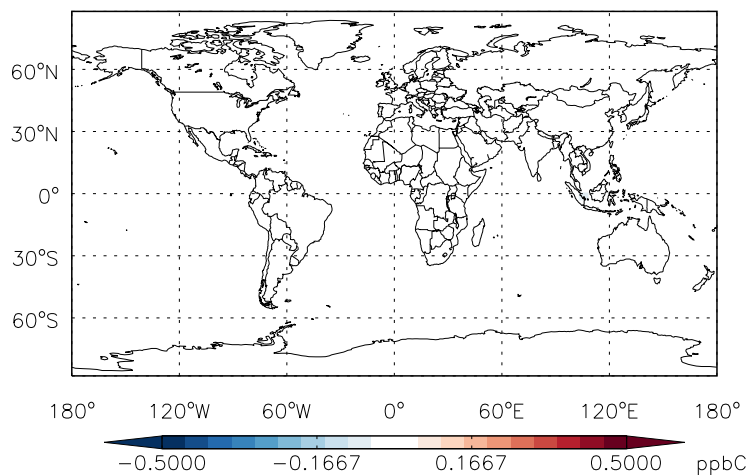
Abs Diff @ 500 hPa - PRPE



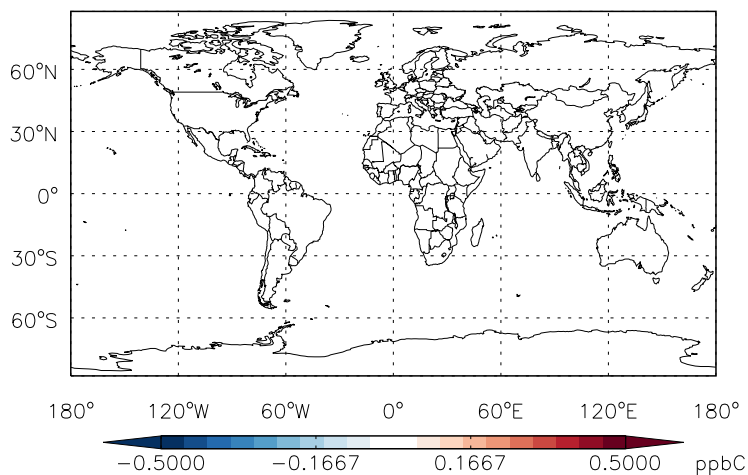
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

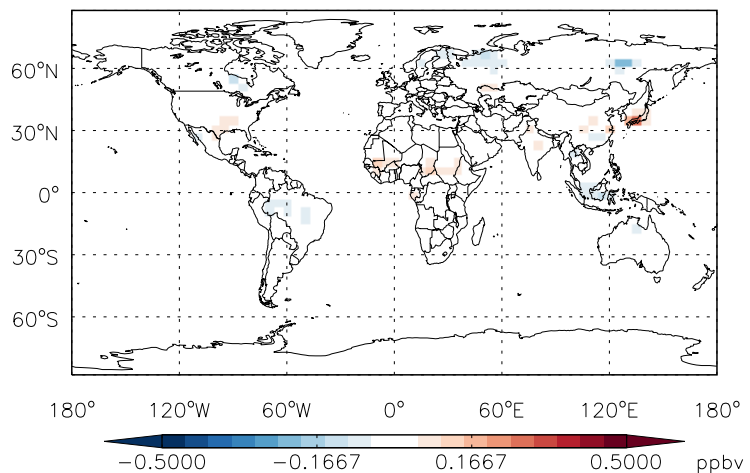
Abs Diff @ Surface - C3H8



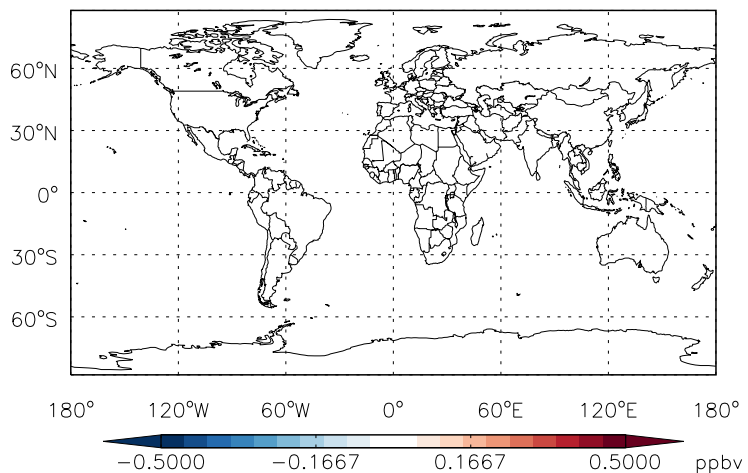
Abs Diff @ 500 hPa - C3H8



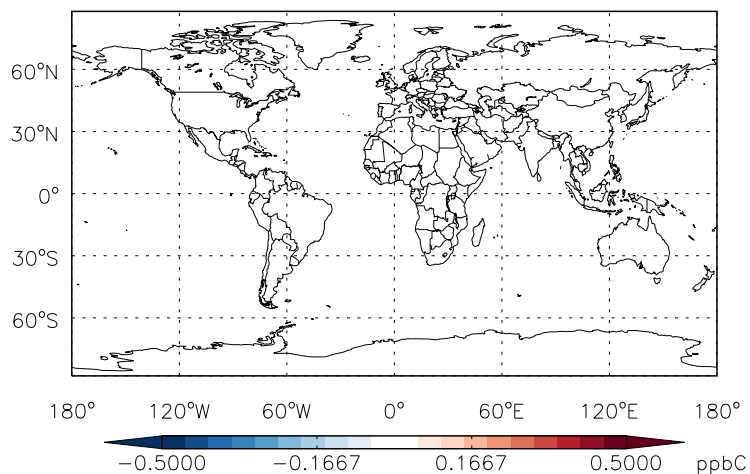
Abs Diff @ Surface - CH2O



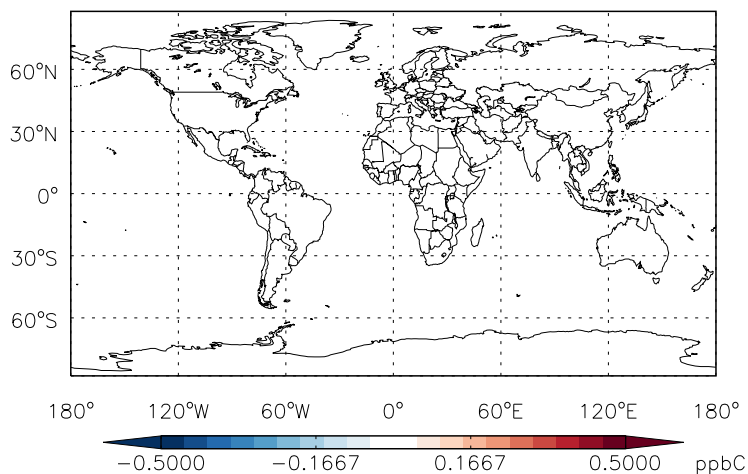
Abs Diff @ 500 hPa - CH2O



Abs Diff @ Surface - C2H6



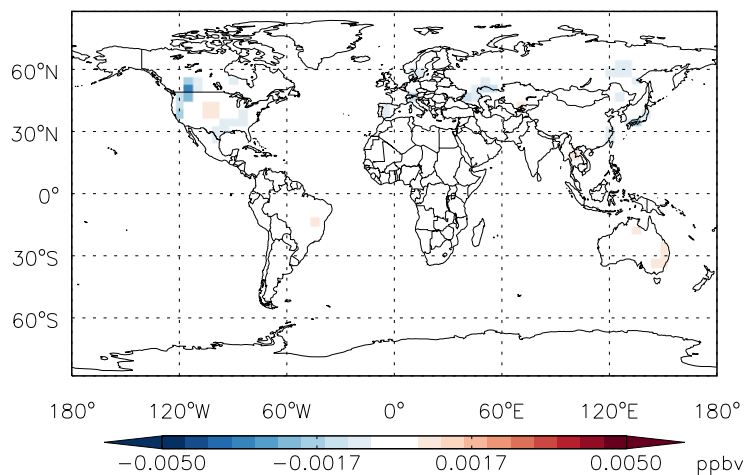
Abs Diff @ 500 hPa - C2H6



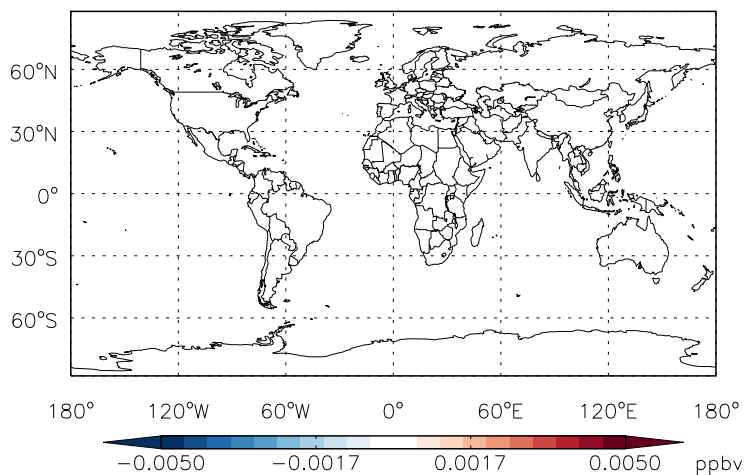
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

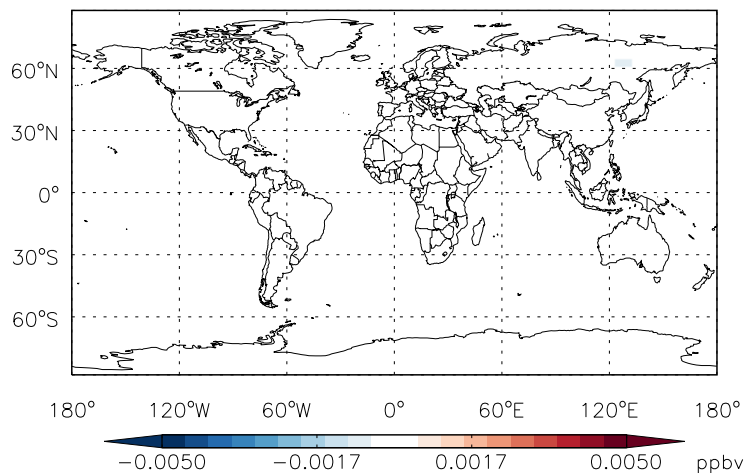
Abs Diff @ Surface - N2O5



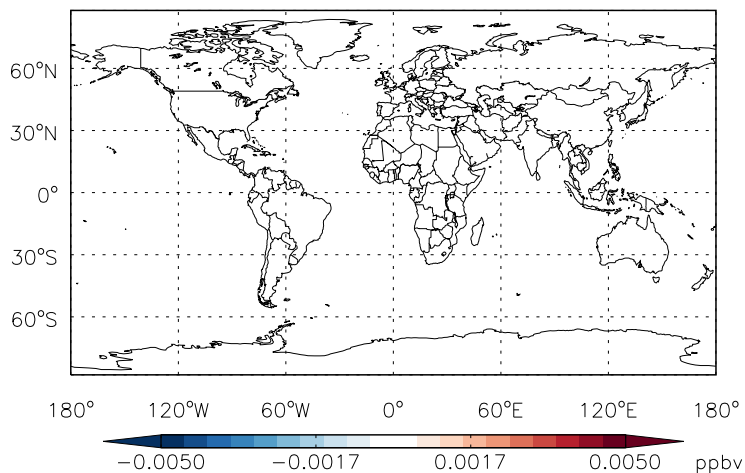
Abs Diff @ 500 hPa - N2O5



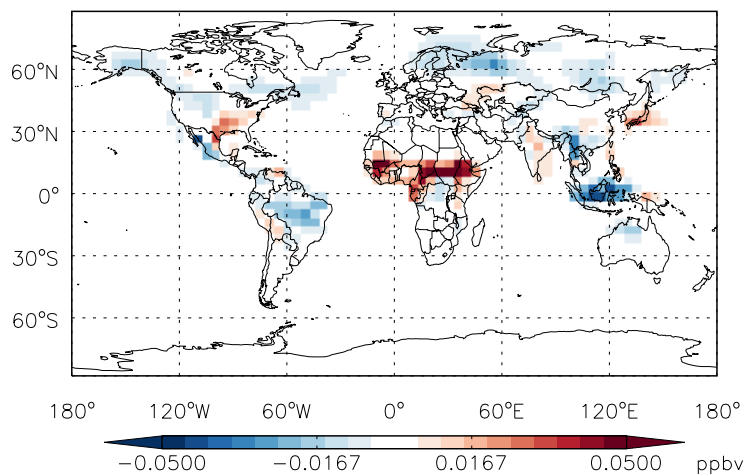
Abs Diff @ Surface - HNO4



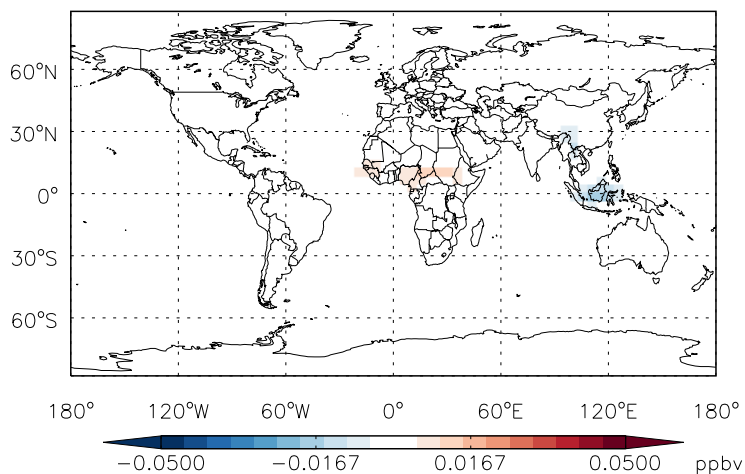
Abs Diff @ 500 hPa - HNO4



Abs Diff @ Surface - MP



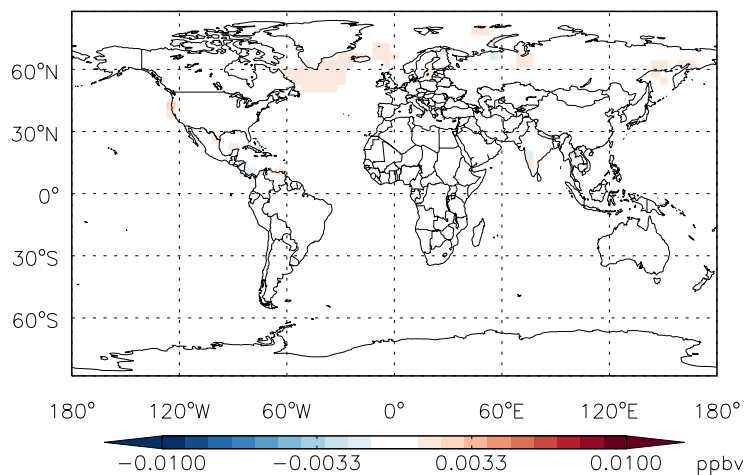
Abs Diff @ 500 hPa - MP



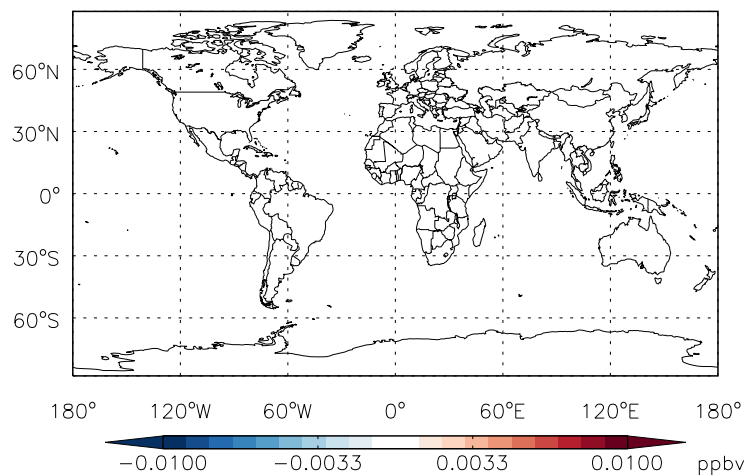
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

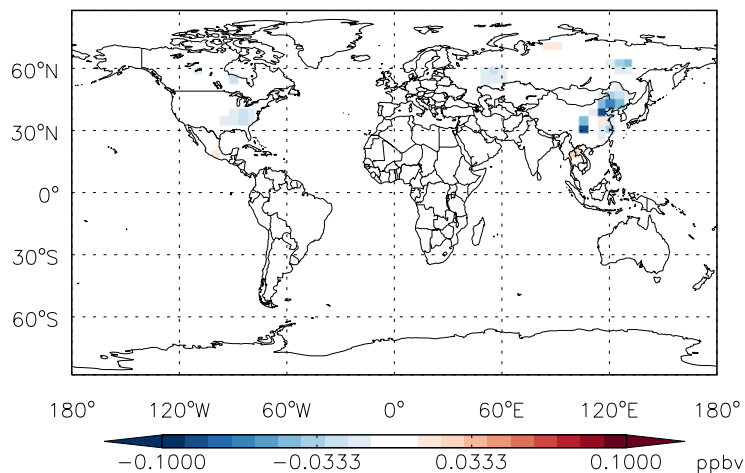
Abs Diff @ Surface - DMS



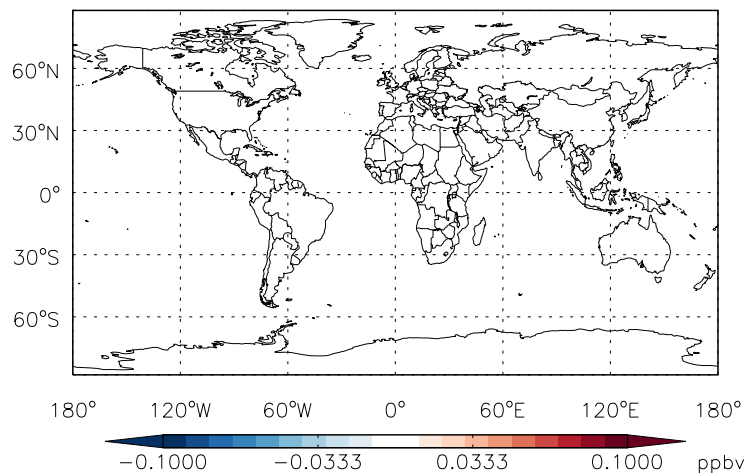
Abs Diff @ 500 hPa - DMS



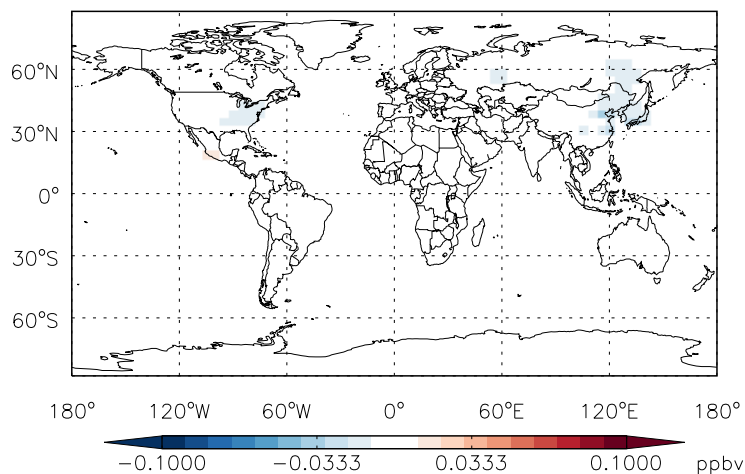
Abs Diff @ Surface - SO2



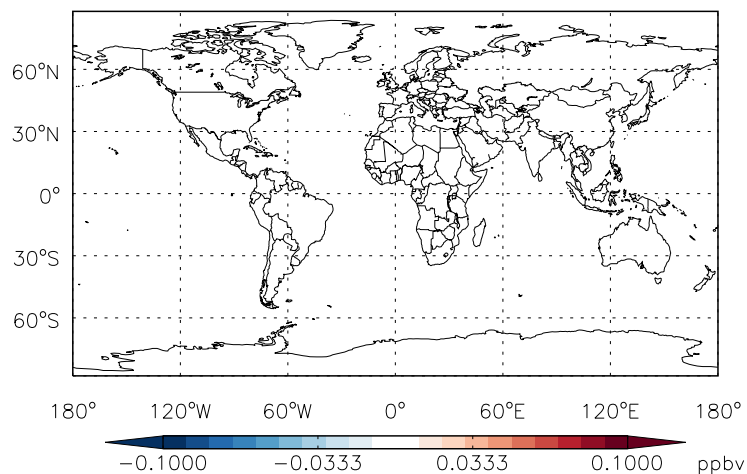
Abs Diff @ 500 hPa - SO2



Abs Diff @ Surface - SO4



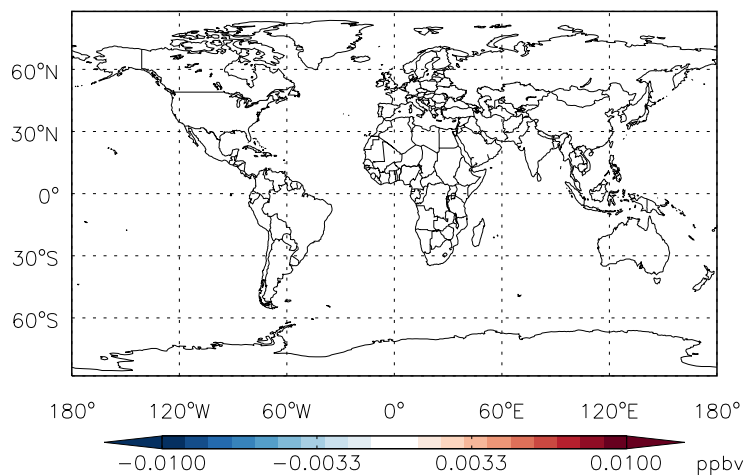
Abs Diff @ 500 hPa - SO4



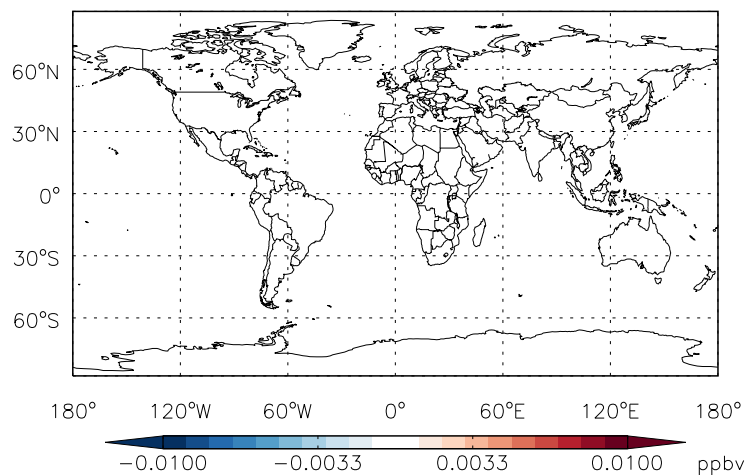
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

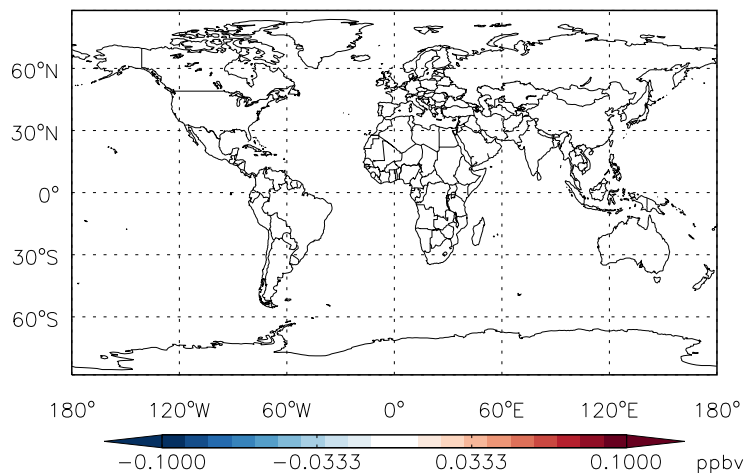
Abs Diff @ Surface - SO4s



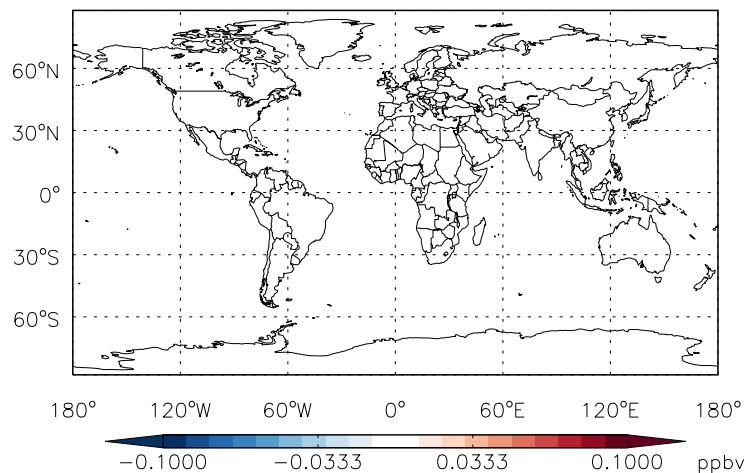
Abs Diff @ 500 hPa - SO4s



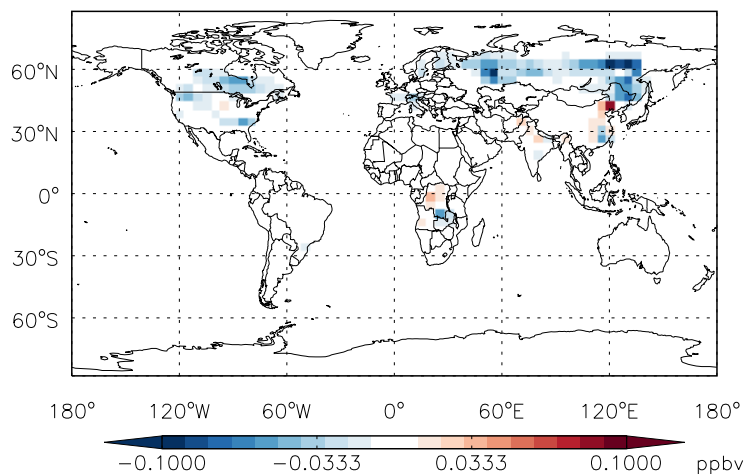
Abs Diff @ Surface - MSA



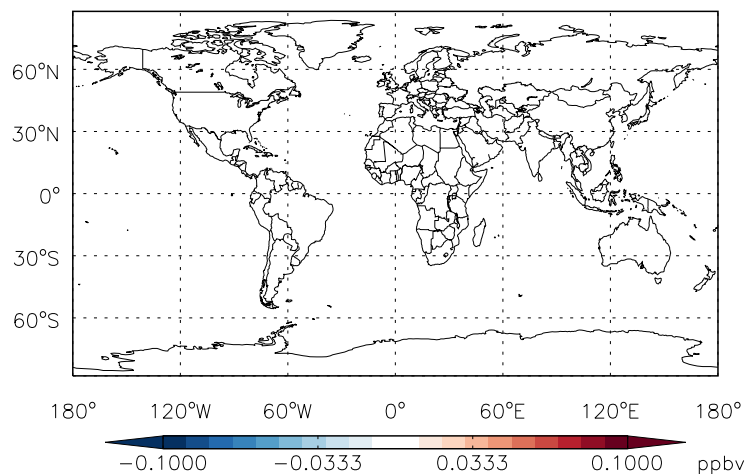
Abs Diff @ 500 hPa - MSA



Abs Diff @ Surface - NH3



Abs Diff @ 500 hPa - NH3

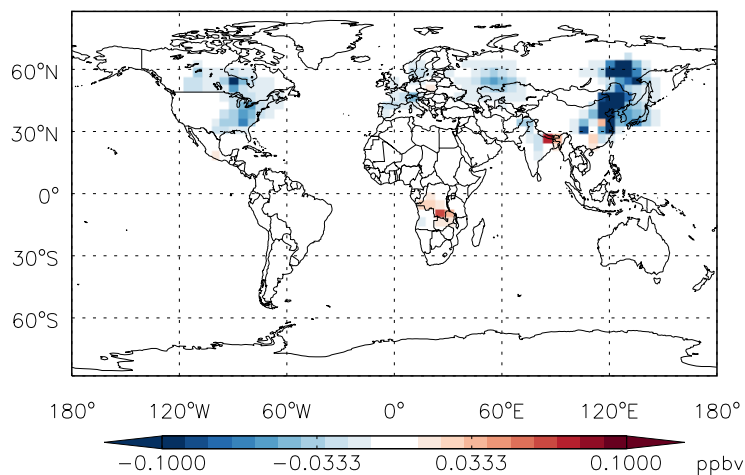




# GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

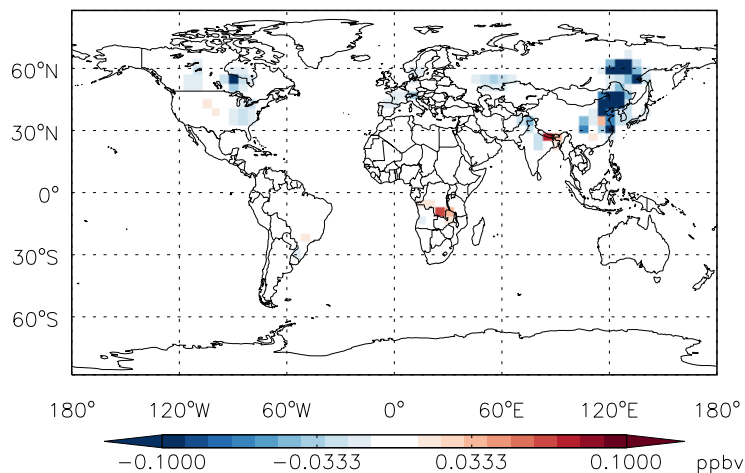
Abs Diff @ Surface - NH4



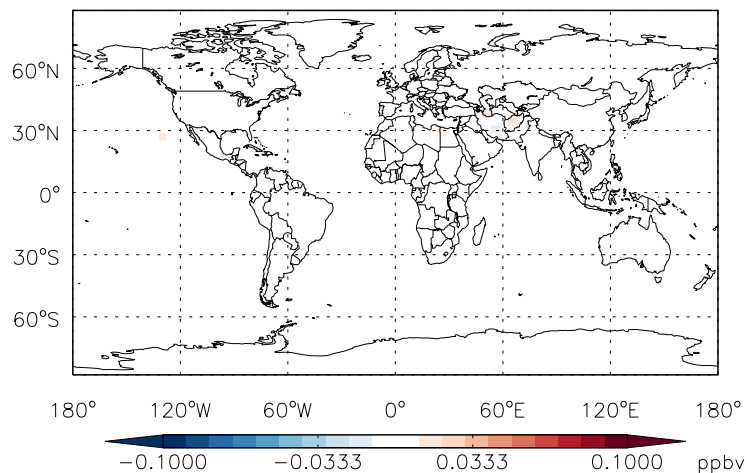
Abs Diff @ 500 hPa - NH4



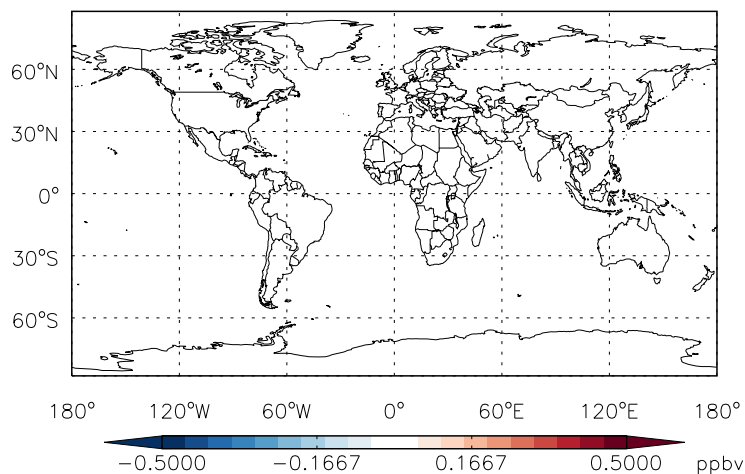
Abs Diff @ Surface - NIT



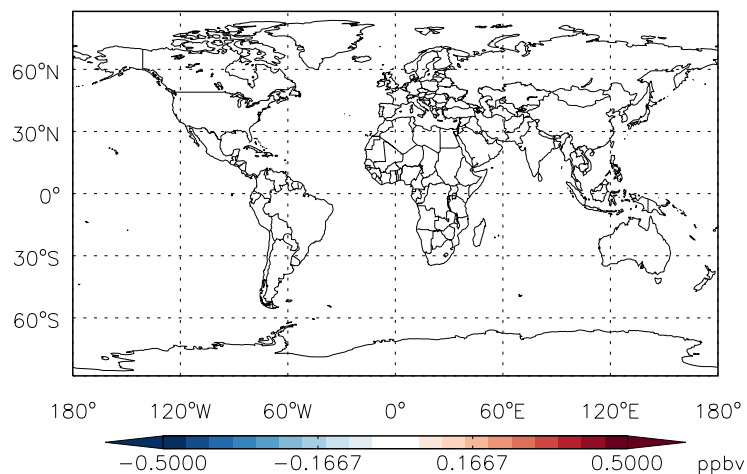
Abs Diff @ 500 hPa - NIT



Abs Diff @ Surface - NITs



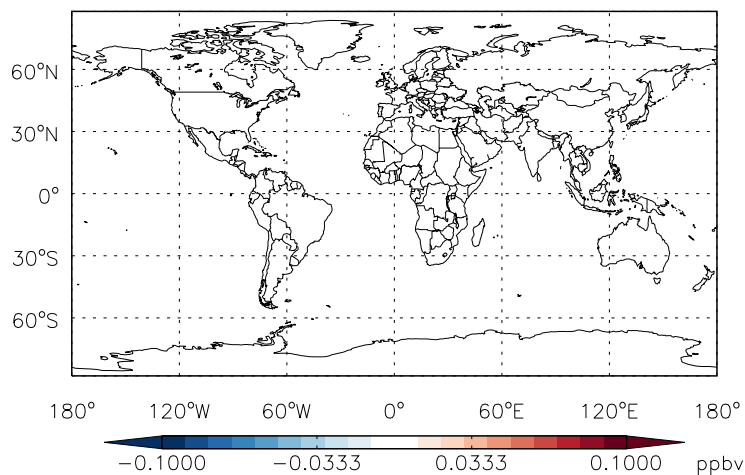
Abs Diff @ 500 hPa - NITs



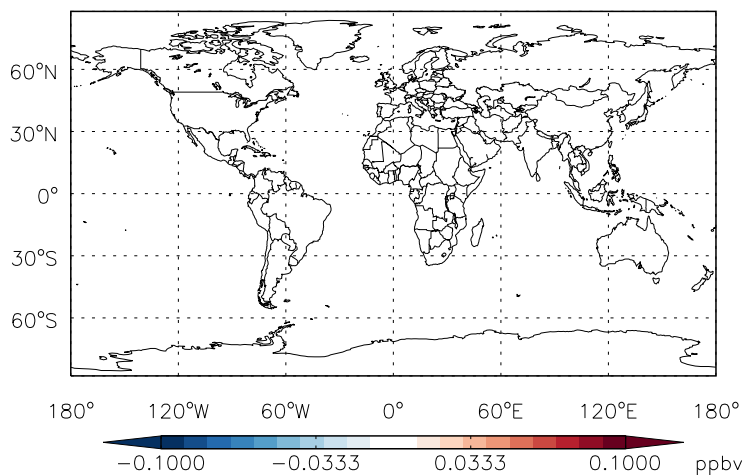
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

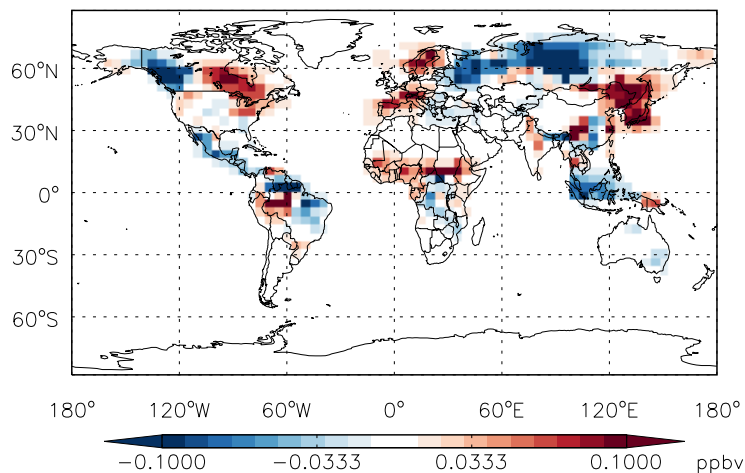
Abs Diff @ Surface - BCPI



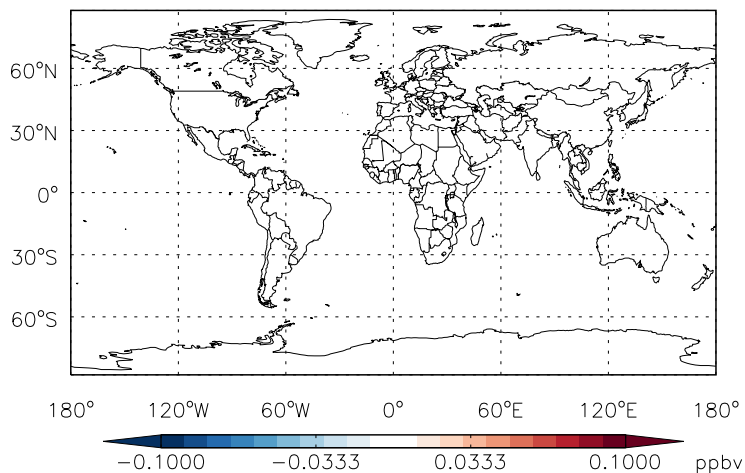
Abs Diff @ 500 hPa - BCPI



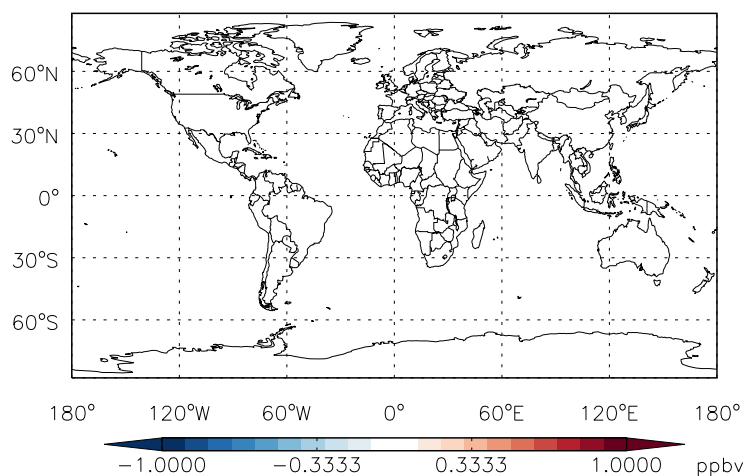
Abs Diff @ Surface - OCPI



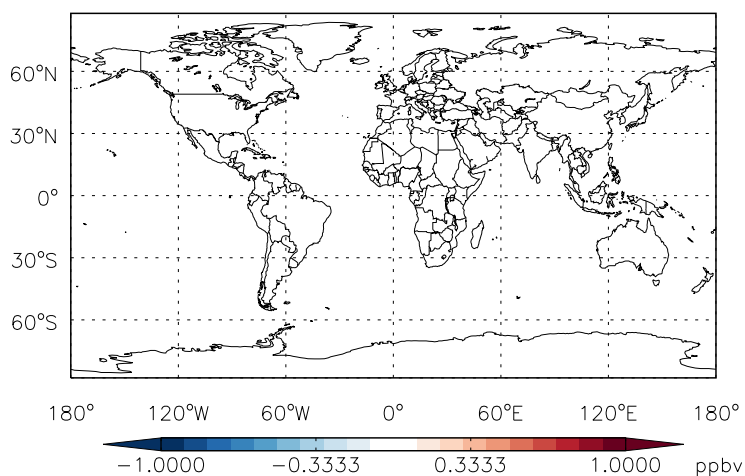
Abs Diff @ 500 hPa - OCPI



Abs Diff @ Surface - BCPO



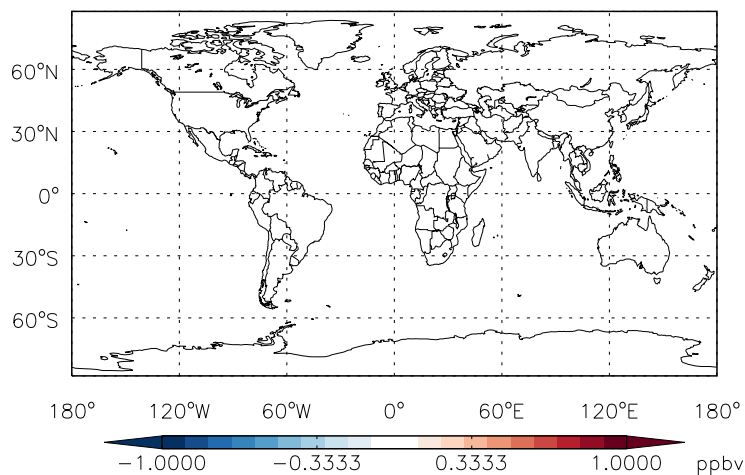
Abs Diff @ 500 hPa - BCPO



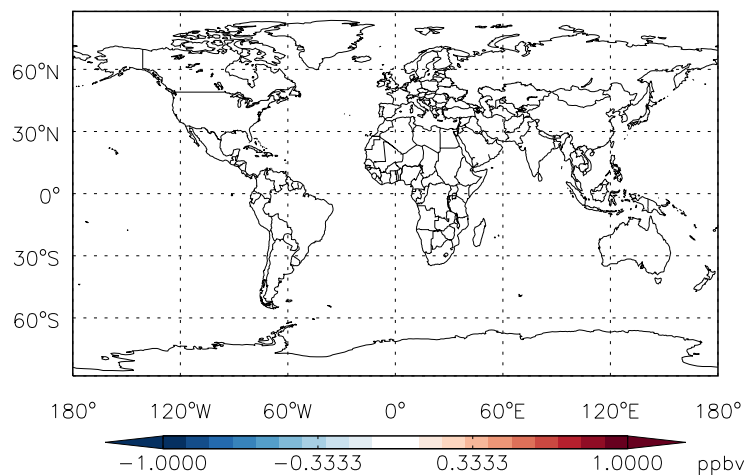
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

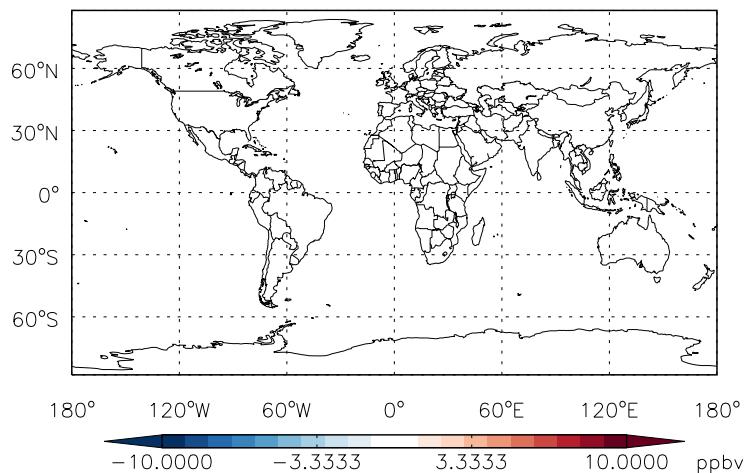
Abs Diff @ Surface - OCPO



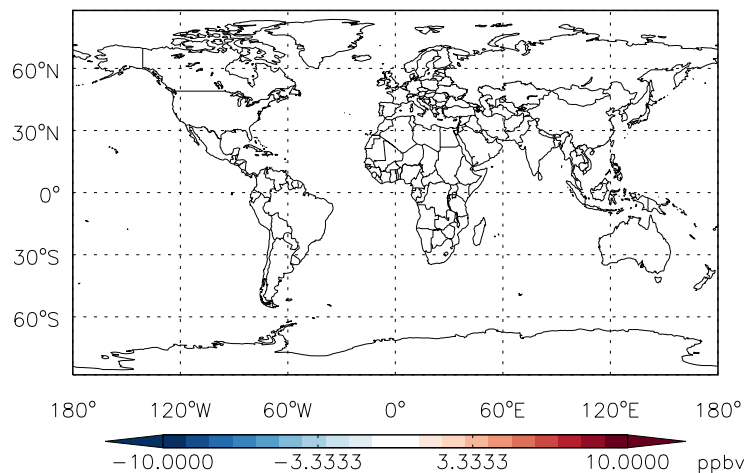
Abs Diff @ 500 hPa - OCPO



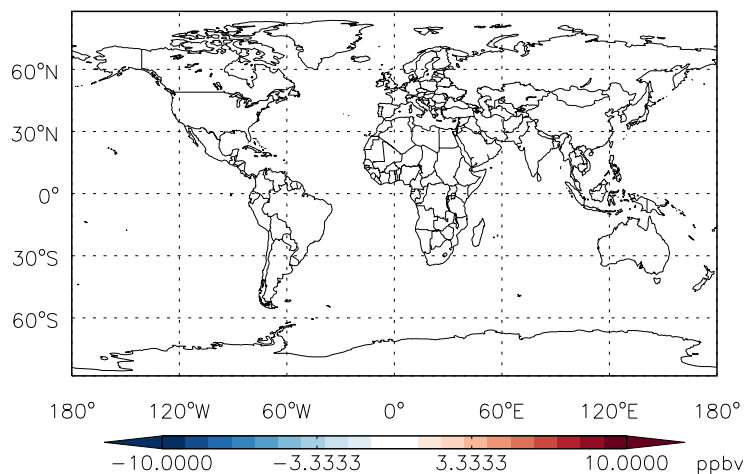
Abs Diff @ Surface - DST1



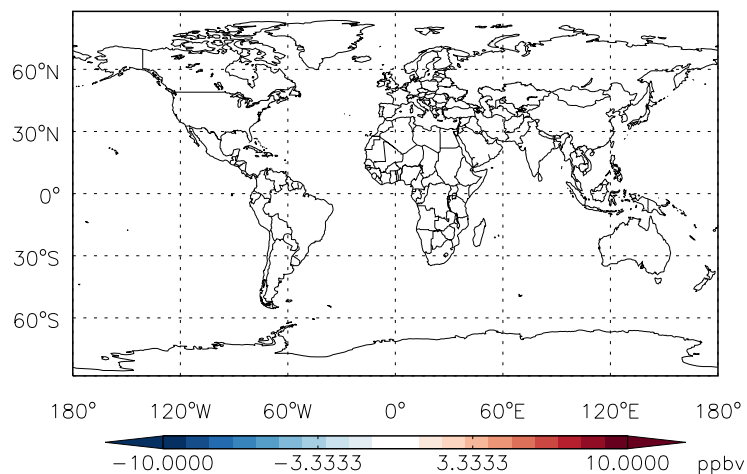
Abs Diff @ 500 hPa - DST1



Abs Diff @ Surface - DST2



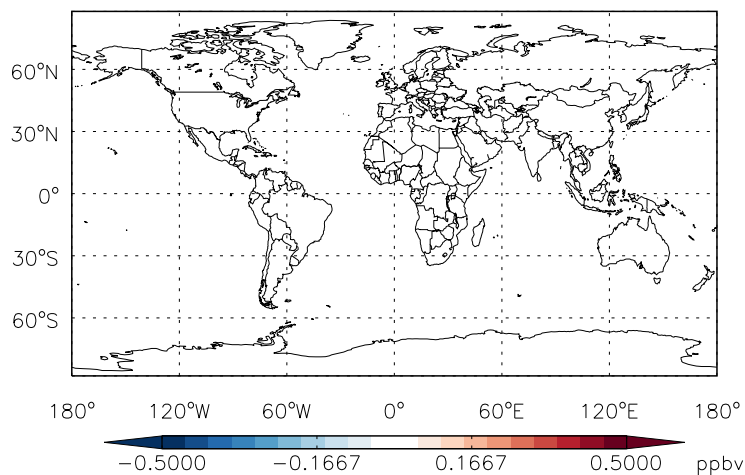
Abs Diff @ 500 hPa - DST2



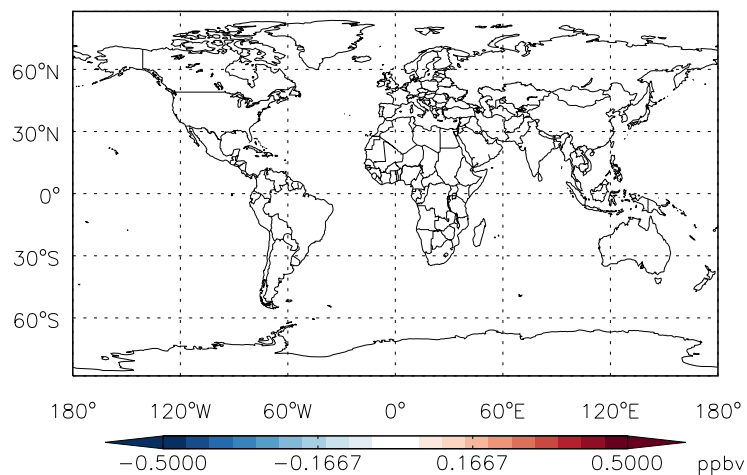
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

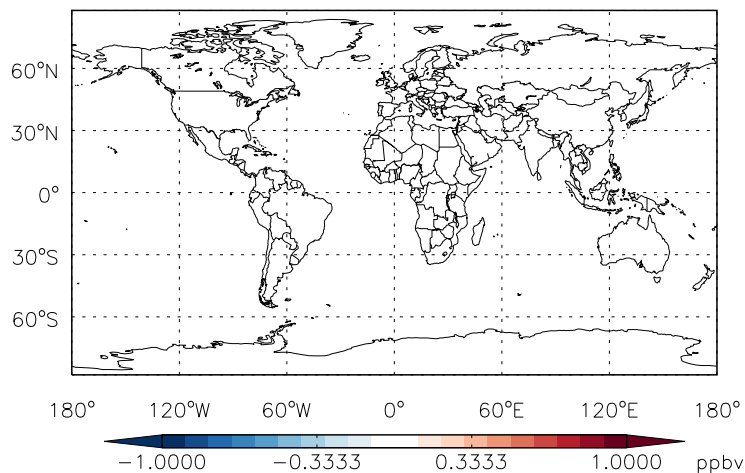
Abs Diff @ Surface - DST3



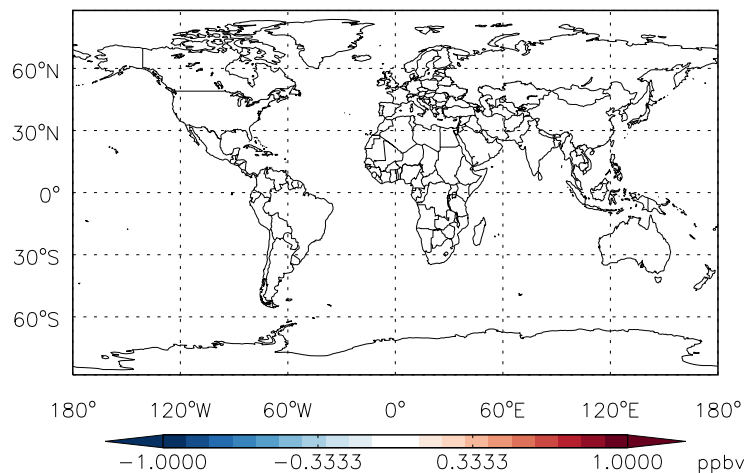
Abs Diff @ 500 hPa - DST3



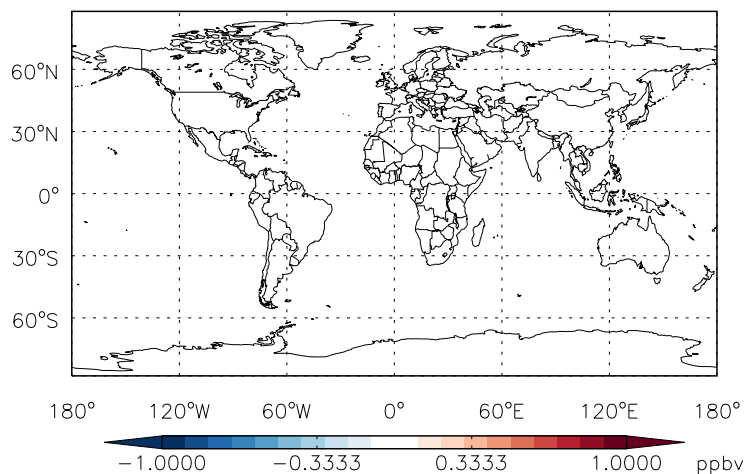
Abs Diff @ Surface - DST4



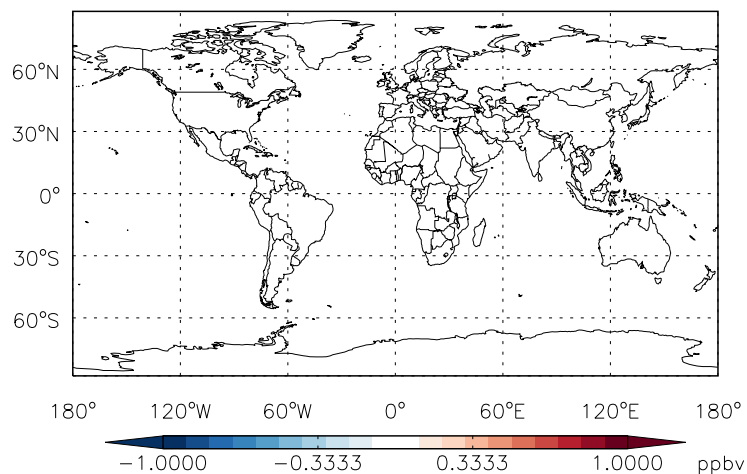
Abs Diff @ 500 hPa - DST4



Abs Diff @ Surface - SALA



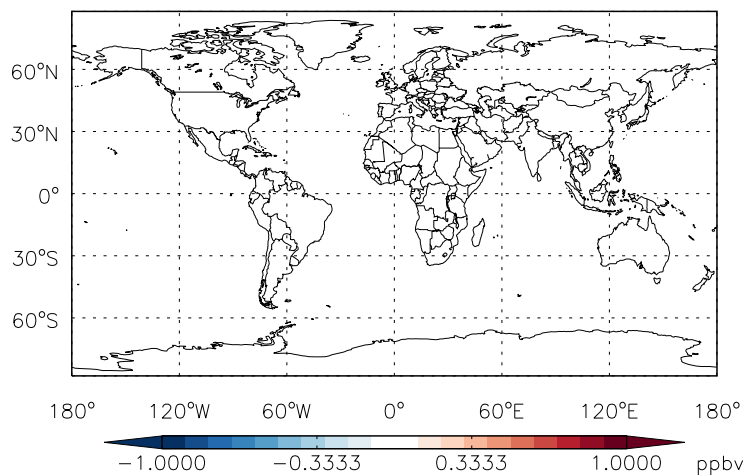
Abs Diff @ 500 hPa - SALA



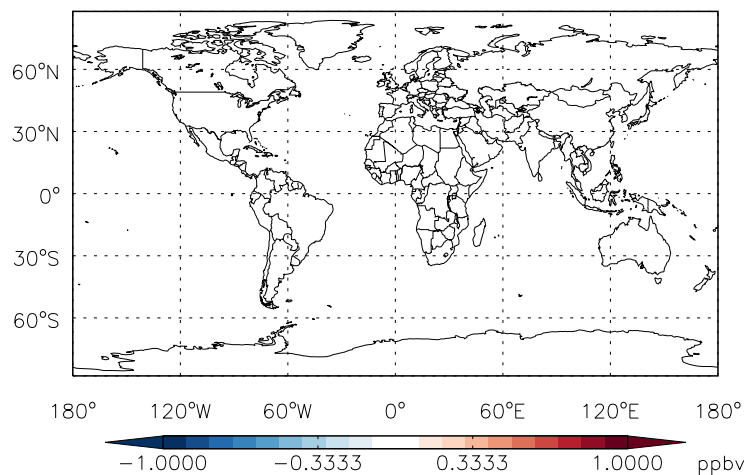
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

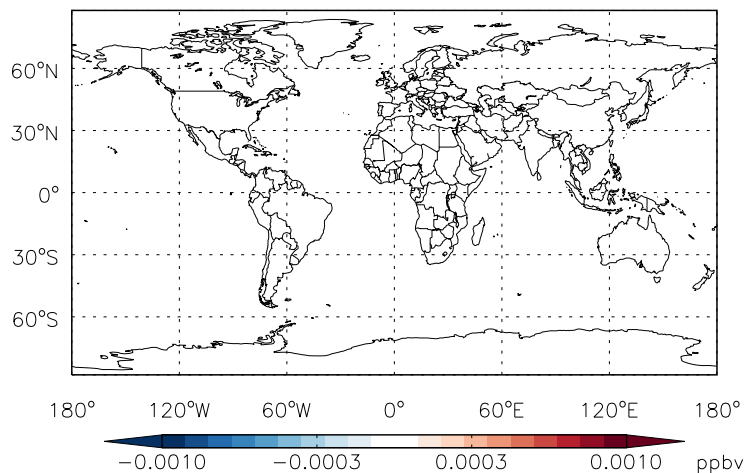
Abs Diff @ Surface - SALC



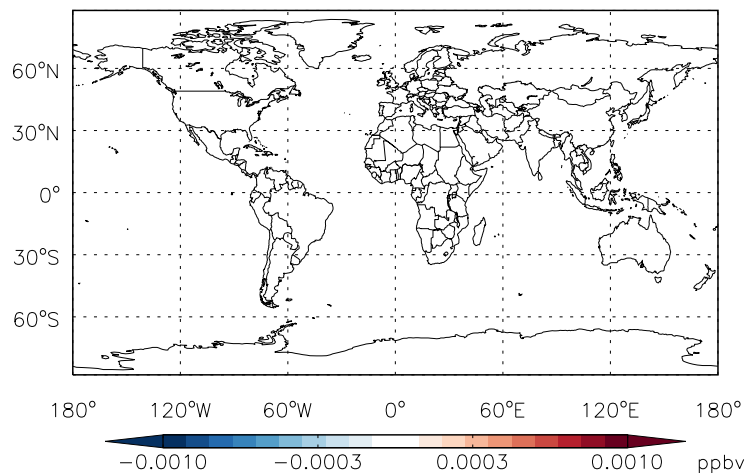
Abs Diff @ 500 hPa - SALC



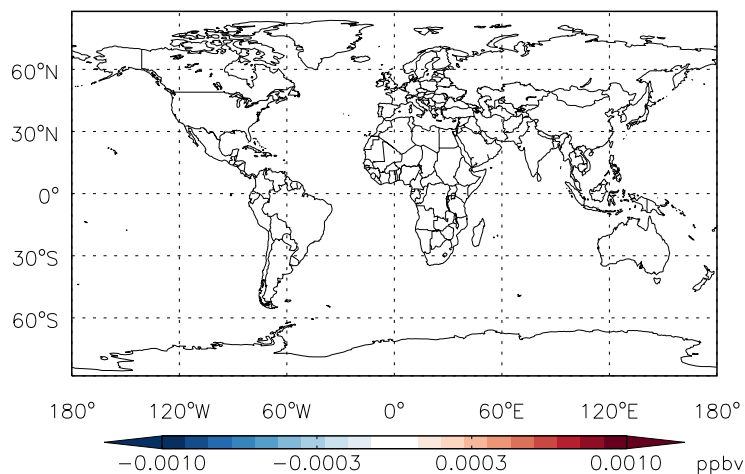
Abs Diff @ Surface - Br2



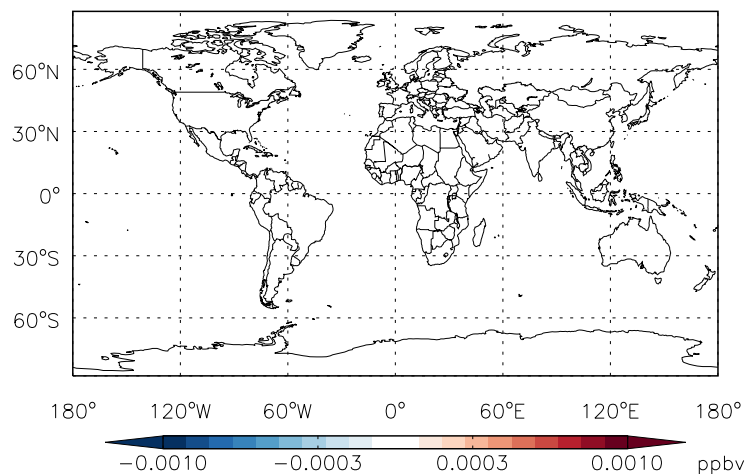
Abs Diff @ 500 hPa - Br2



Abs Diff @ Surface - Br



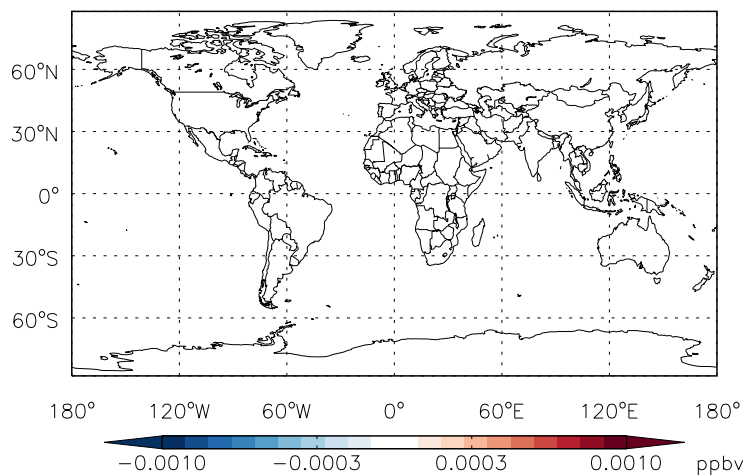
Abs Diff @ 500 hPa - Br



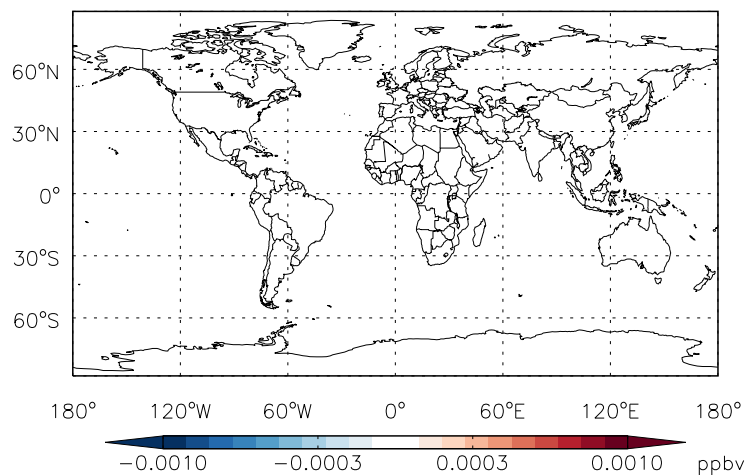
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

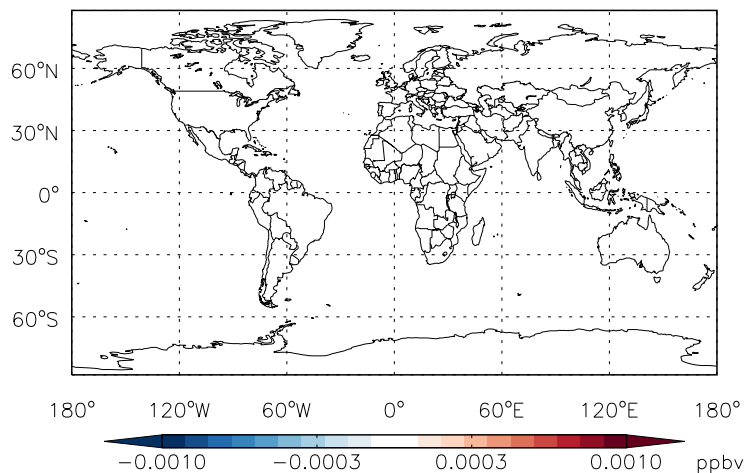
Abs Diff @ Surface - BrO



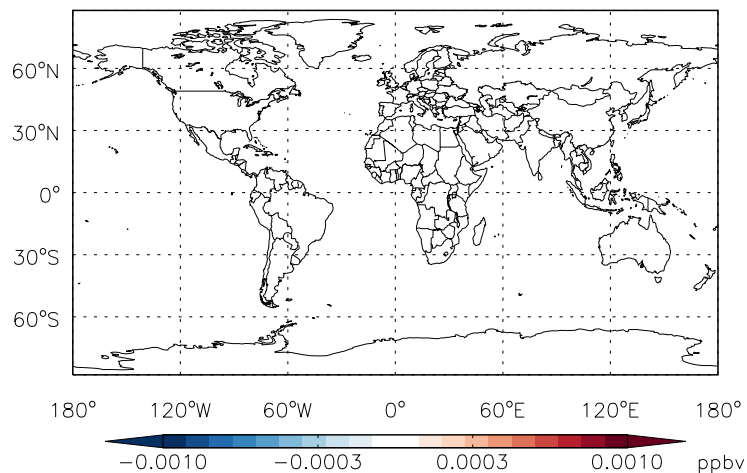
Abs Diff @ 500 hPa - BrO



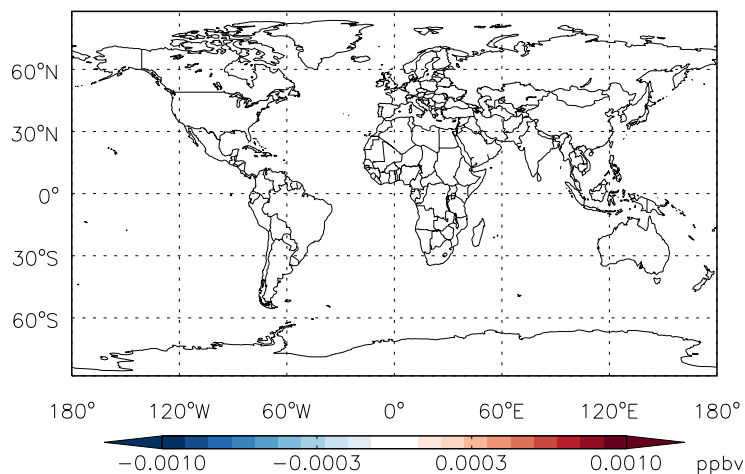
Abs Diff @ Surface - HOBr



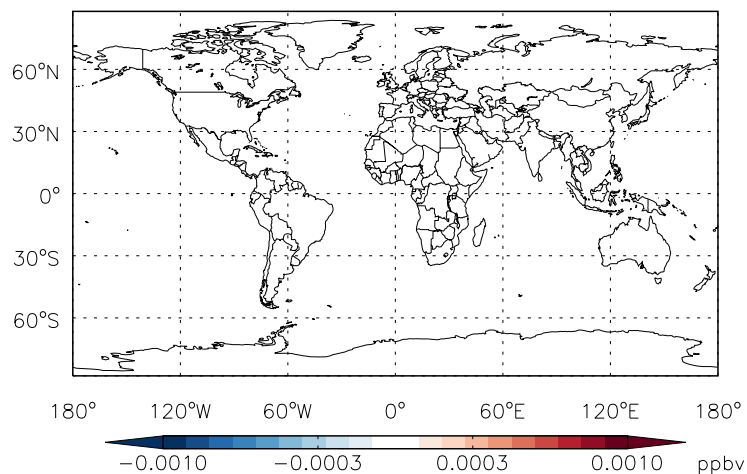
Abs Diff @ 500 hPa - HOBr



Abs Diff @ Surface - HBr



Abs Diff @ 500 hPa - HBr

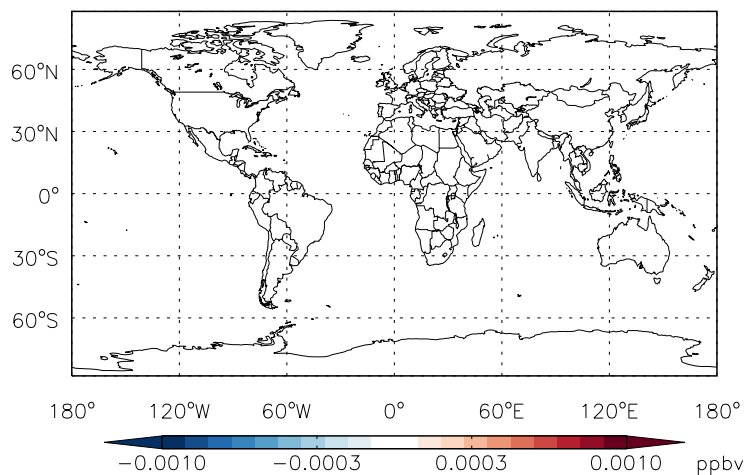




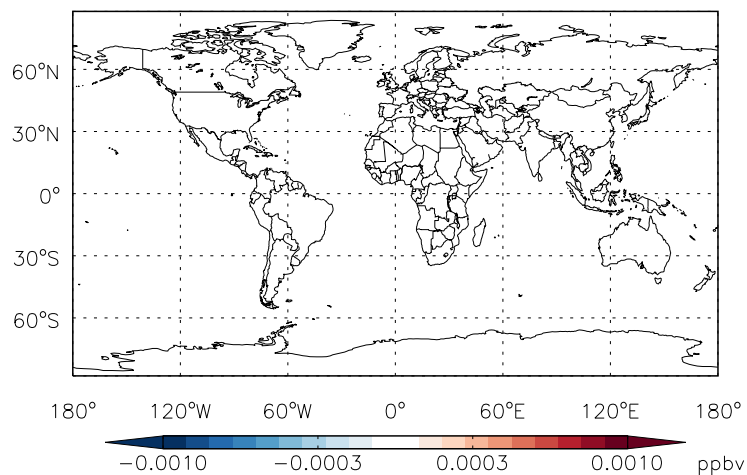
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

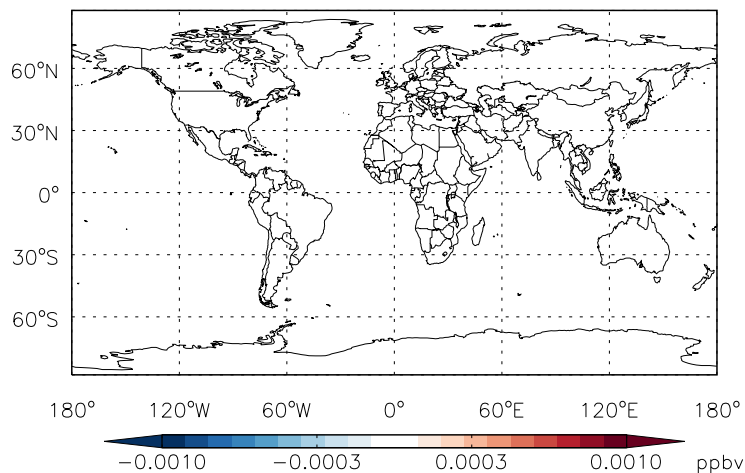
Abs Diff @ Surface - BrNO<sub>2</sub>



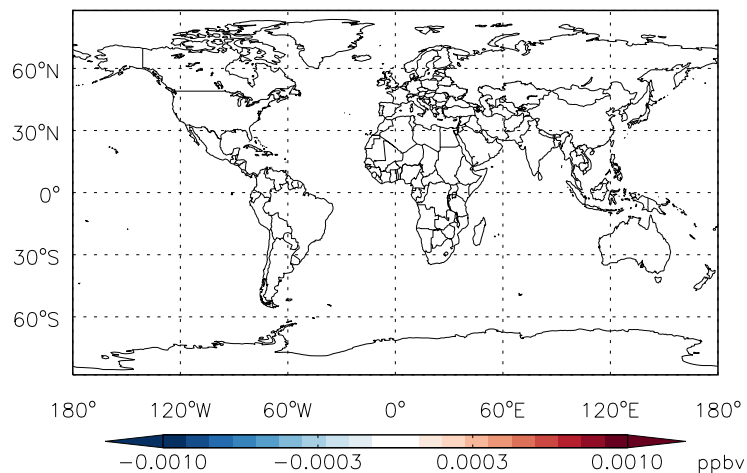
Abs Diff @ 500 hPa - BrNO<sub>2</sub>



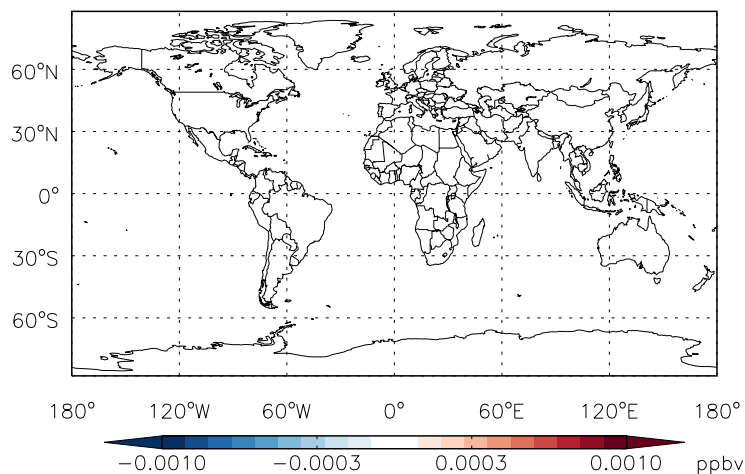
Abs Diff @ Surface - BrNO<sub>3</sub>



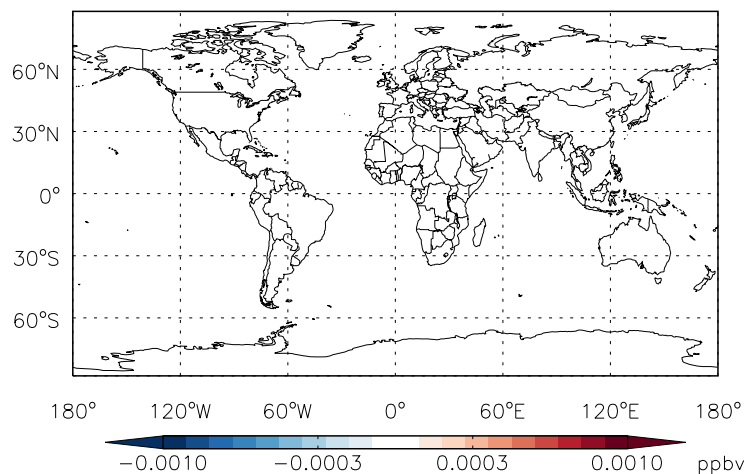
Abs Diff @ 500 hPa - BrNO<sub>3</sub>



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



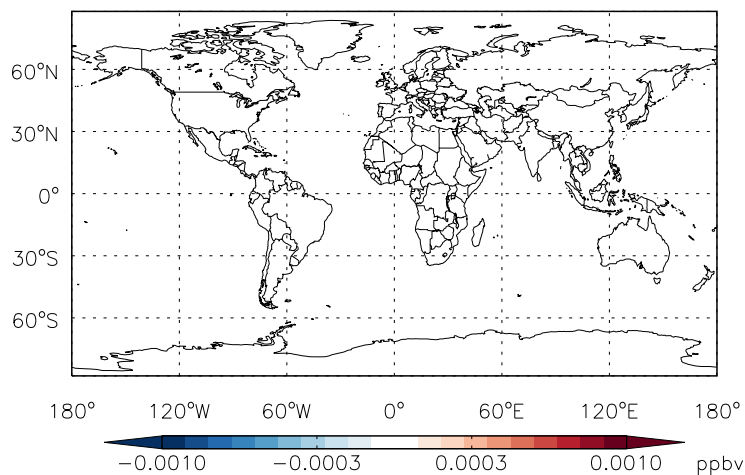
Abs Diff @ 500 hPa - CHBr<sub>3</sub>



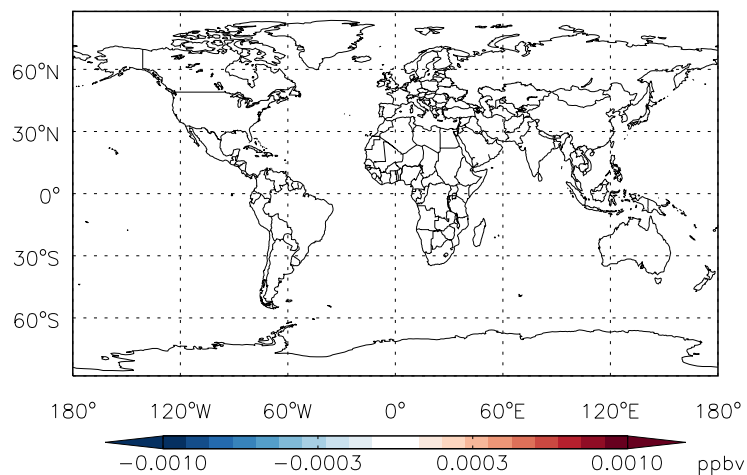
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

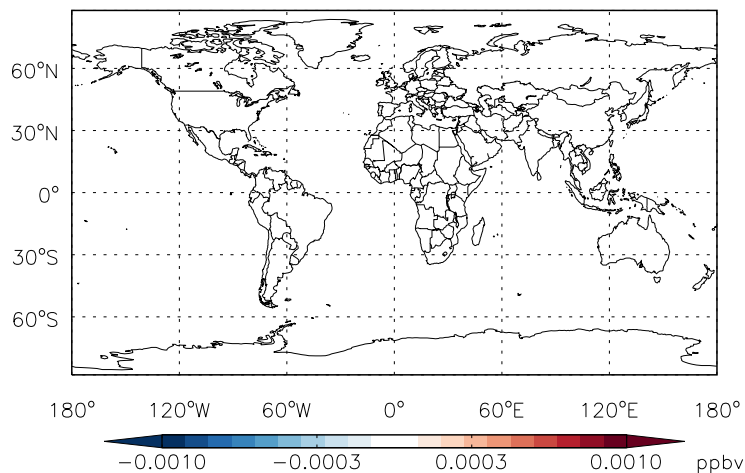
Abs Diff @ Surface - CH<sub>2</sub>Br<sub>2</sub>



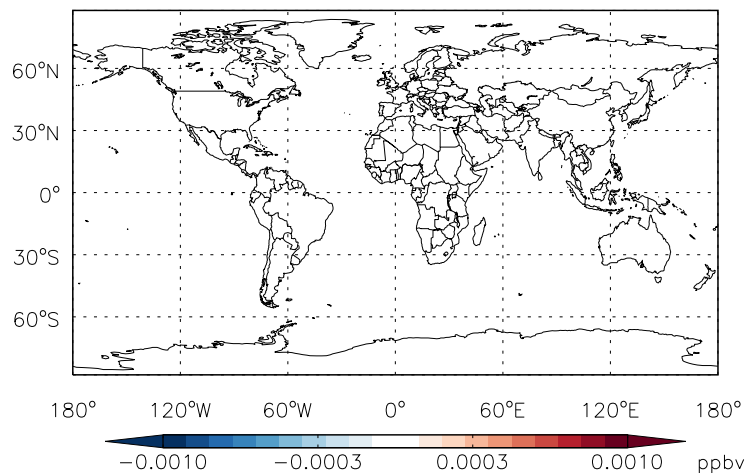
Abs Diff @ 500 hPa - CH<sub>2</sub>Br<sub>2</sub>



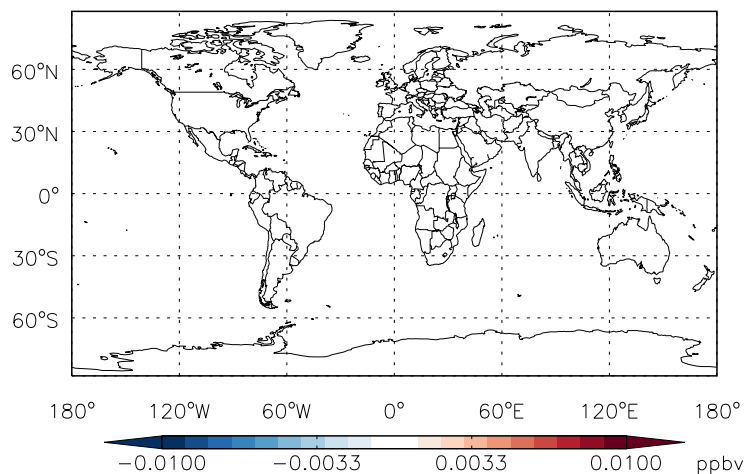
Abs Diff @ Surface - CH<sub>3</sub>Br



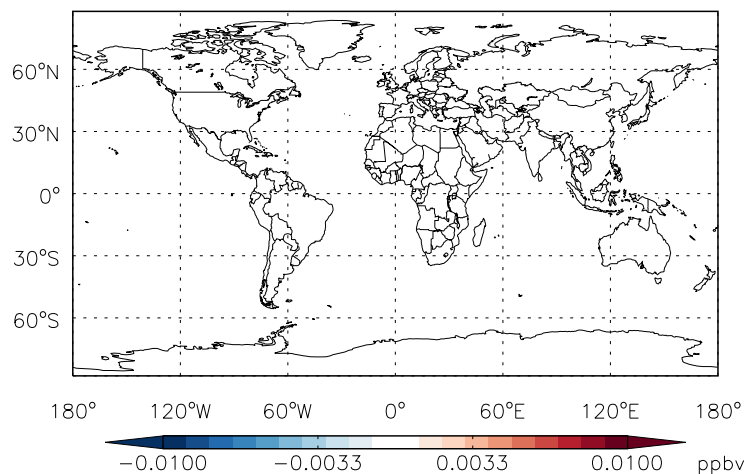
Abs Diff @ 500 hPa - CH<sub>3</sub>Br



Abs Diff @ Surface - MPN



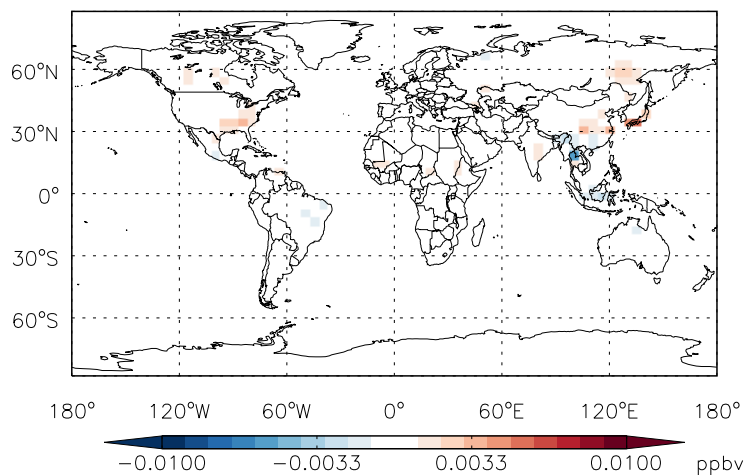
Abs Diff @ 500 hPa - MPN



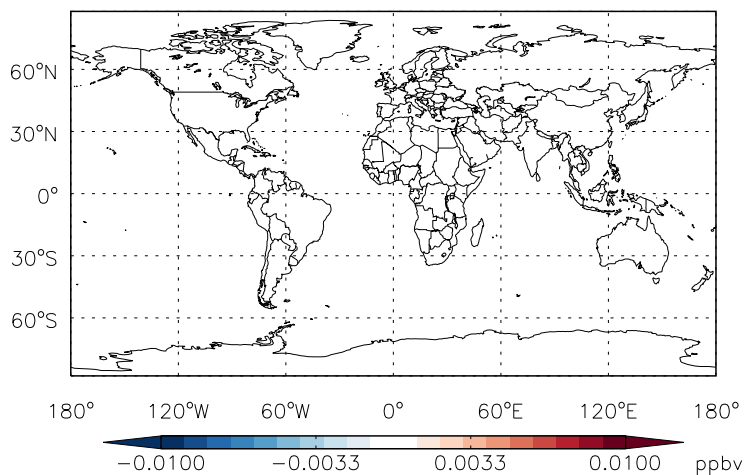
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

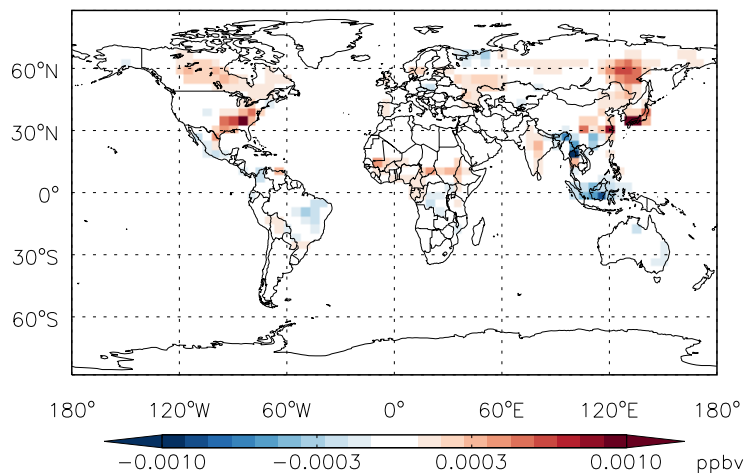
Abs Diff @ Surface - ISOPN



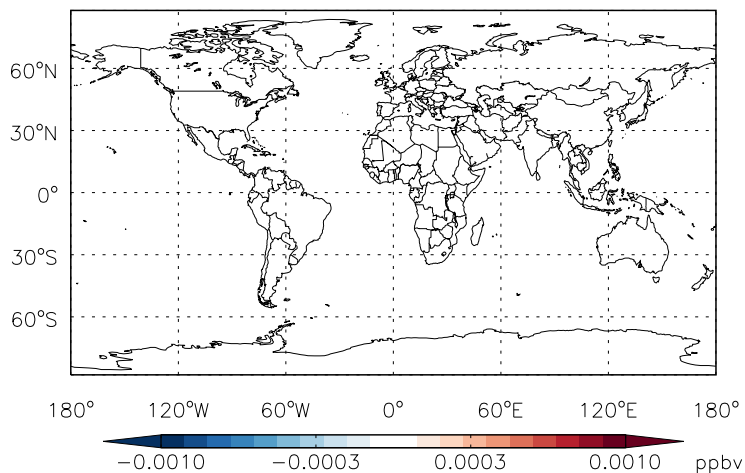
Abs Diff @ 500 hPa - ISOPN



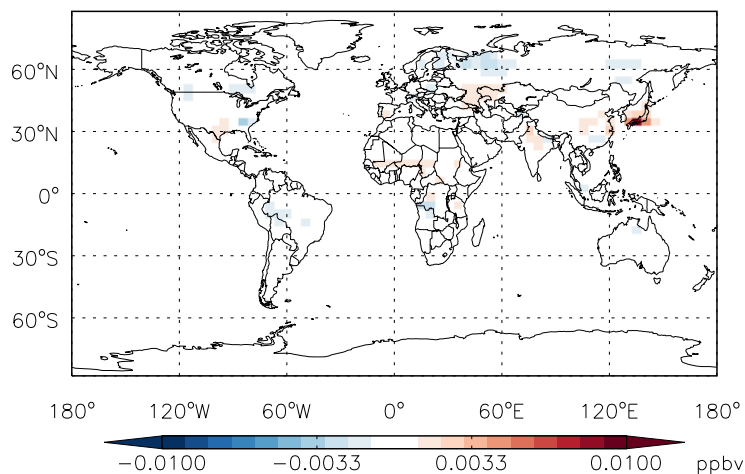
Abs Diff @ Surface - MOBA



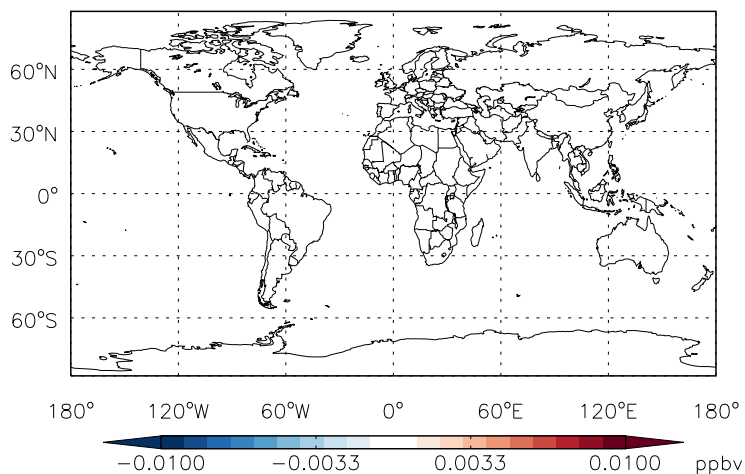
Abs Diff @ 500 hPa - MOBA



Abs Diff @ Surface - PROPNN



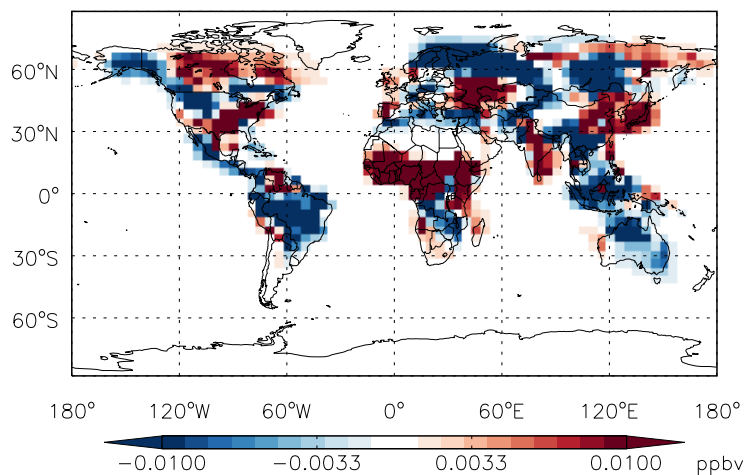
Abs Diff @ 500 hPa - PROPNN



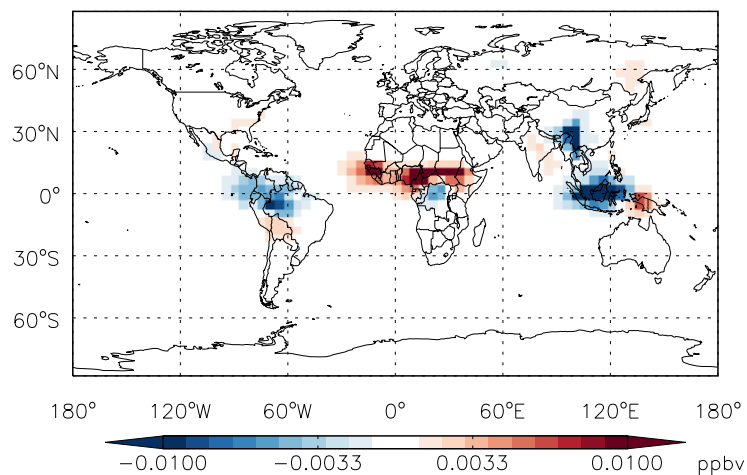
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

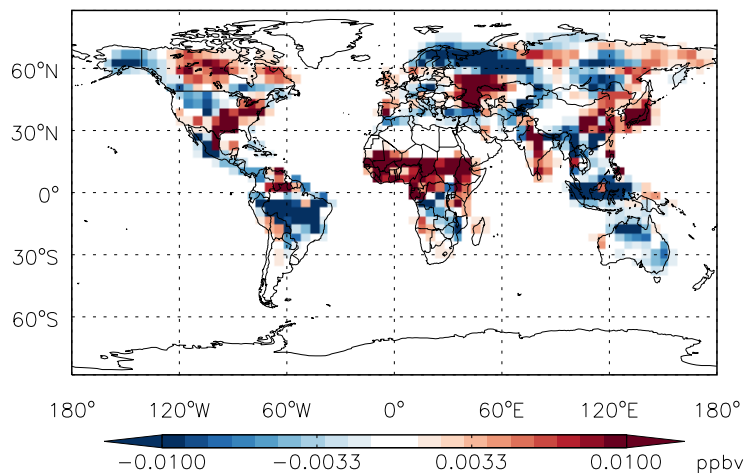
Abs Diff @ Surface - HAC



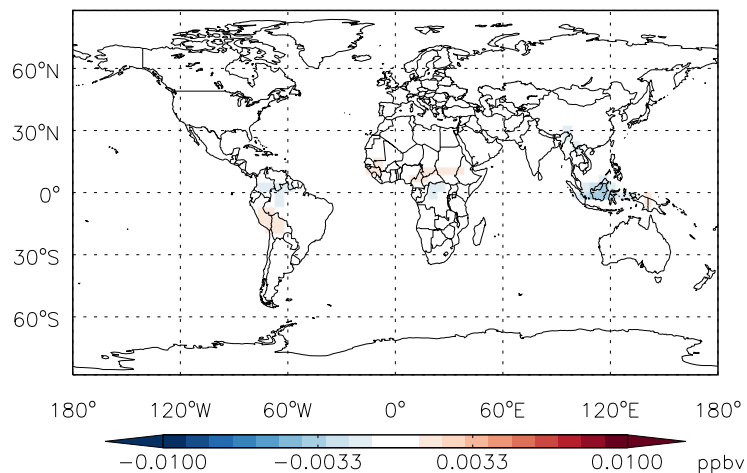
Abs Diff @ 500 hPa - HAC



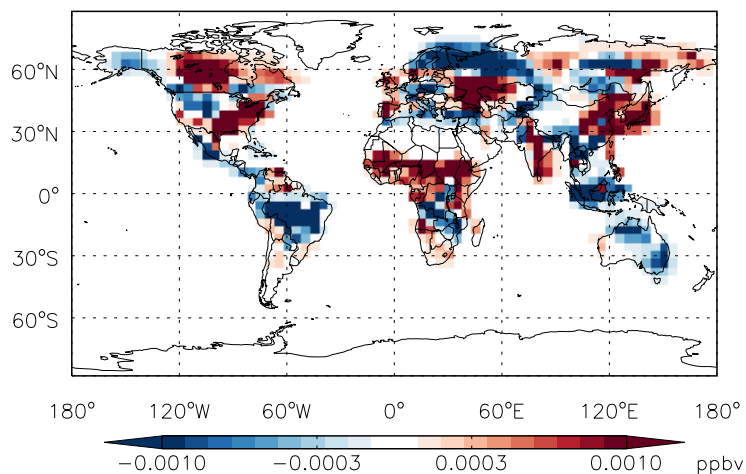
Abs Diff @ Surface - GLYC



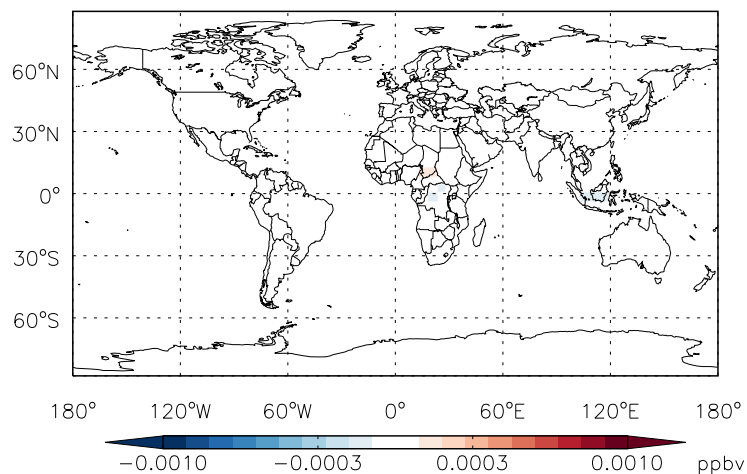
Abs Diff @ 500 hPa - GLYC



Abs Diff @ Surface - MMN



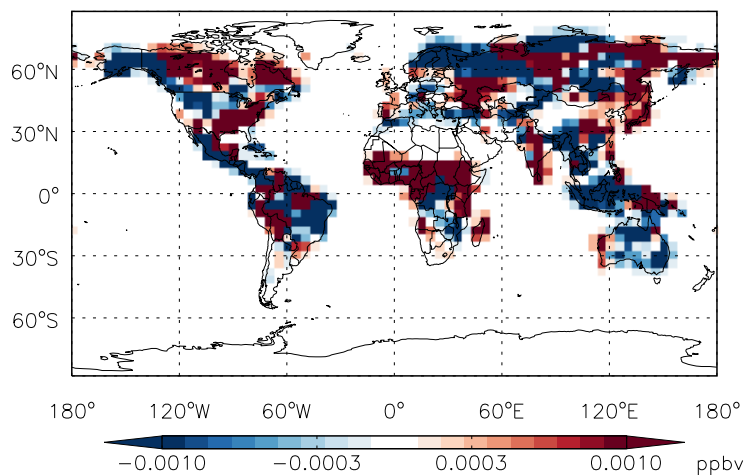
Abs Diff @ 500 hPa - MMN



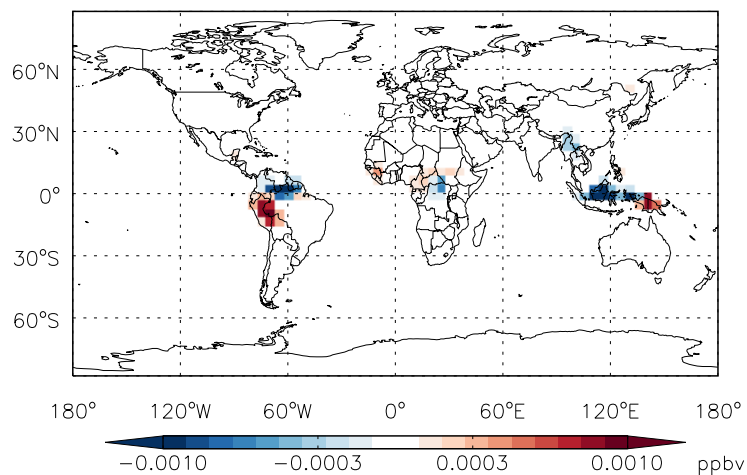
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

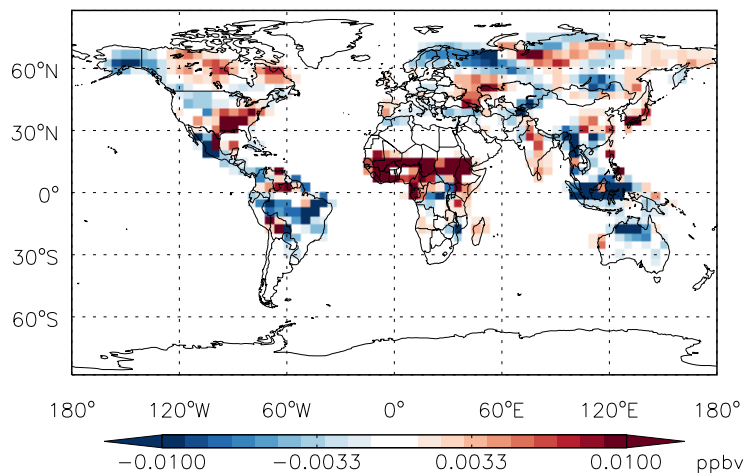
Abs Diff @ Surface - RIP



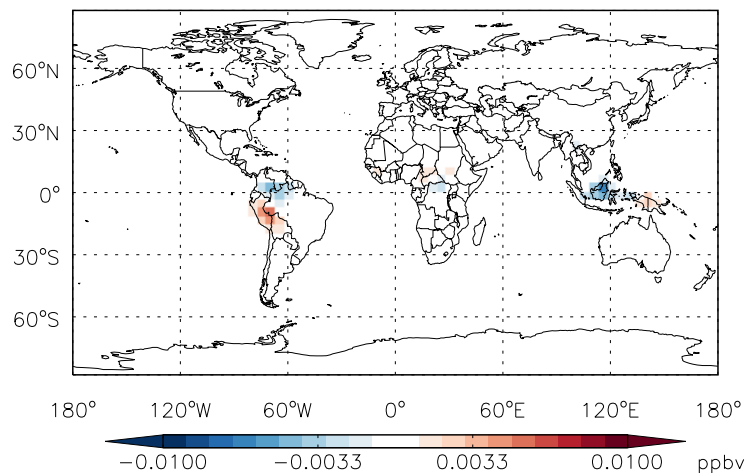
Abs Diff @ 500 hPa - RIP



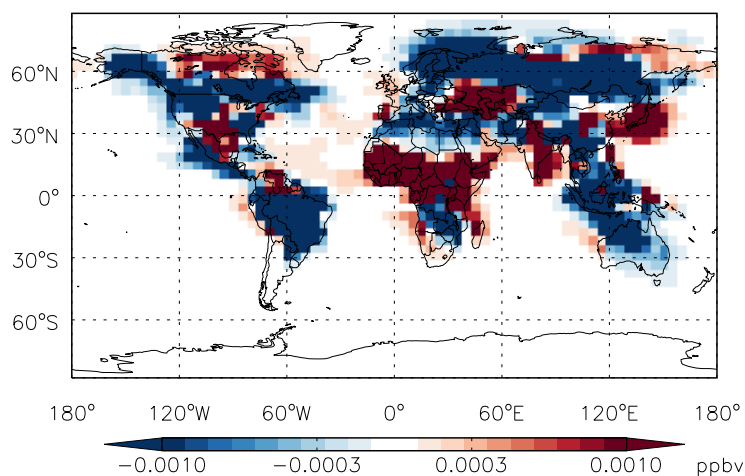
Abs Diff @ Surface - IEPOX



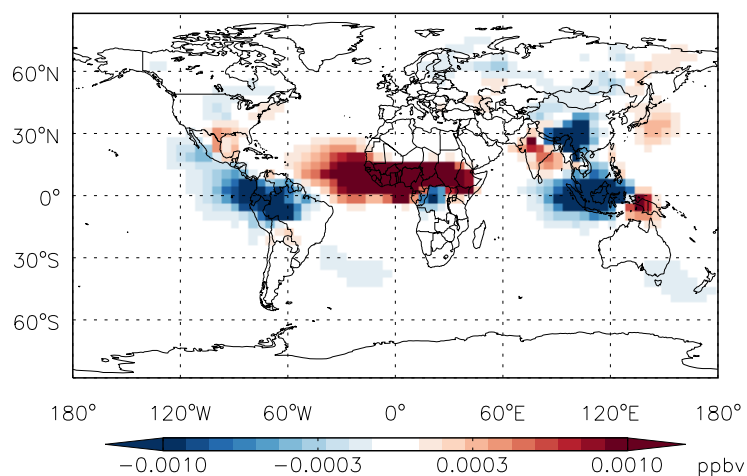
Abs Diff @ 500 hPa - IEPOX



Abs Diff @ Surface - MAP



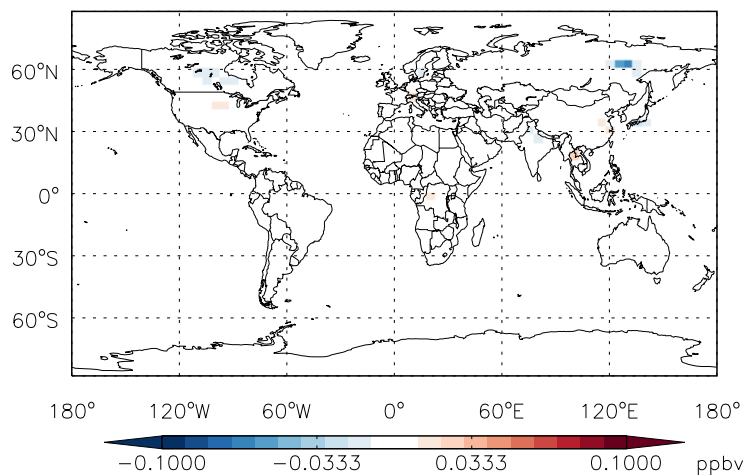
Abs Diff @ 500 hPa - MAP



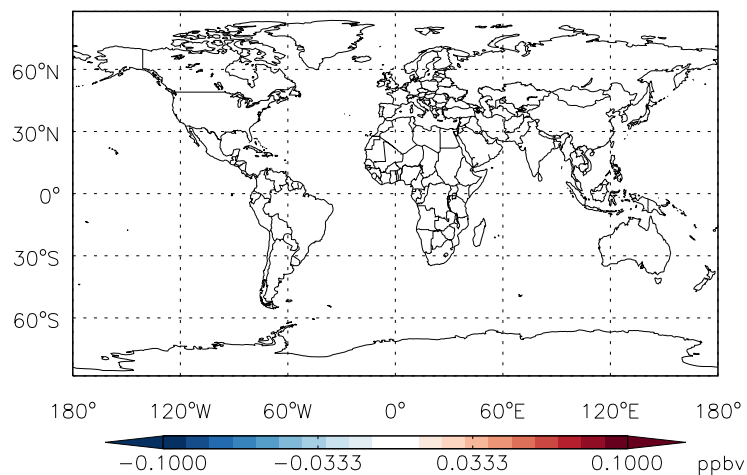
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

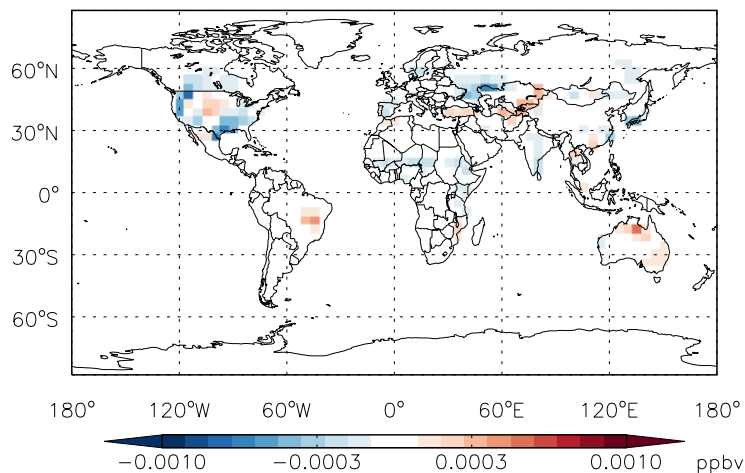
Abs Diff @ Surface - NO2



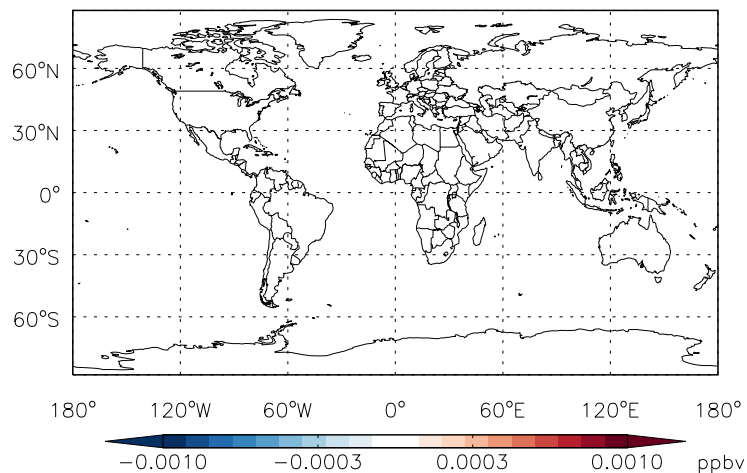
Abs Diff @ 500 hPa - NO2



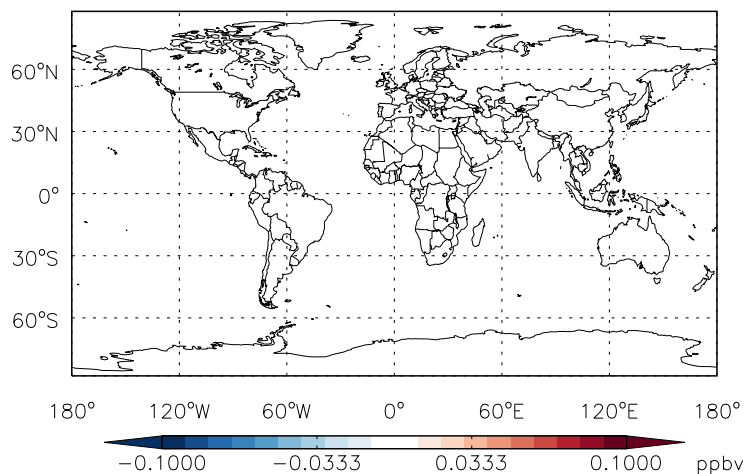
Abs Diff @ Surface - NO3



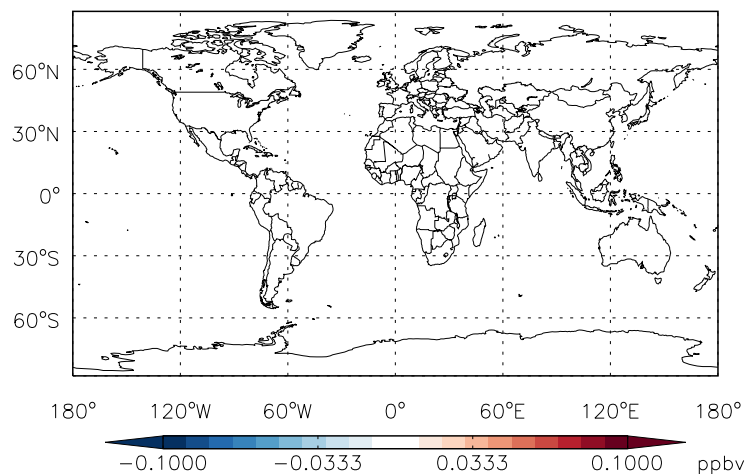
Abs Diff @ 500 hPa - NO3



Abs Diff @ Surface - HNO2



Abs Diff @ 500 hPa - HNO2

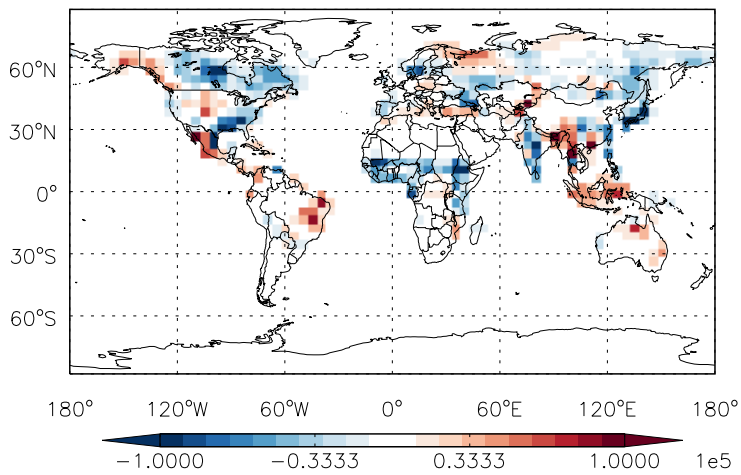




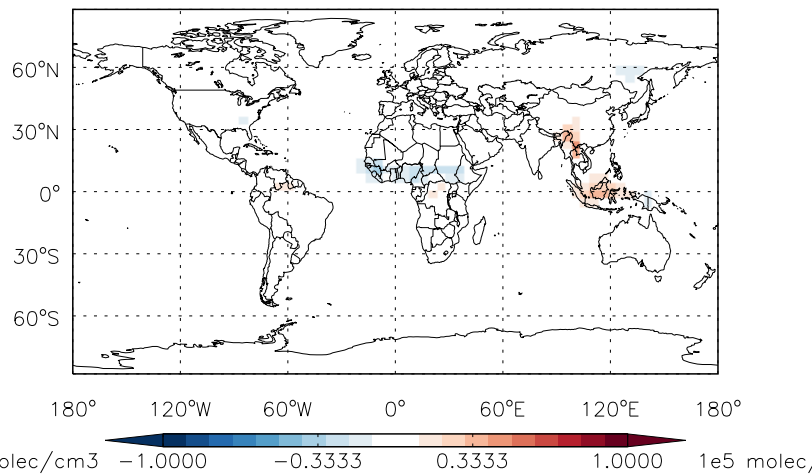
GEOS-Chem v10-01a Absolute Differences at Surface and 500 hPa

ctm.bpch.v10-01a - ctm.bpch.v9-02r.geosfp

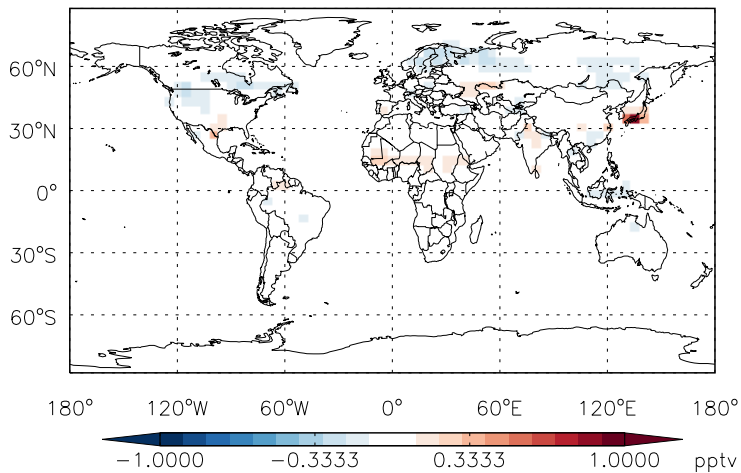
Abs Diff @ Surface - OH



Abs Diff @ 500 hPa - OH



Abs Diff @ Surface - H2O



Abs Diff @ 500 hPa - H2O

