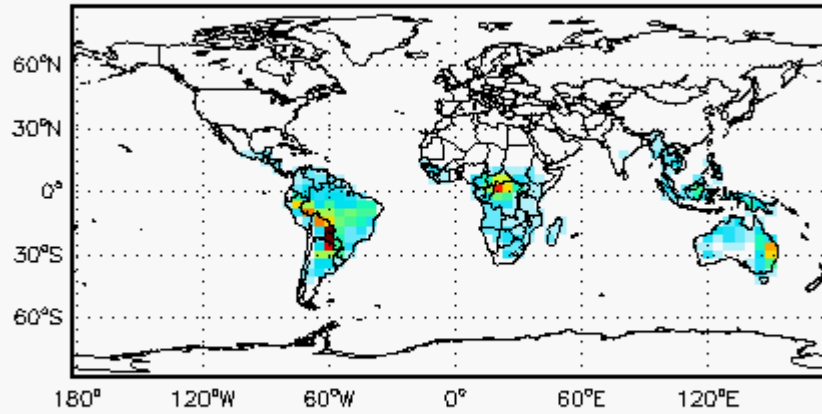


Isoprene Emissions in v8-02-04-Run0
(uses AVHRR LAI)

vs.

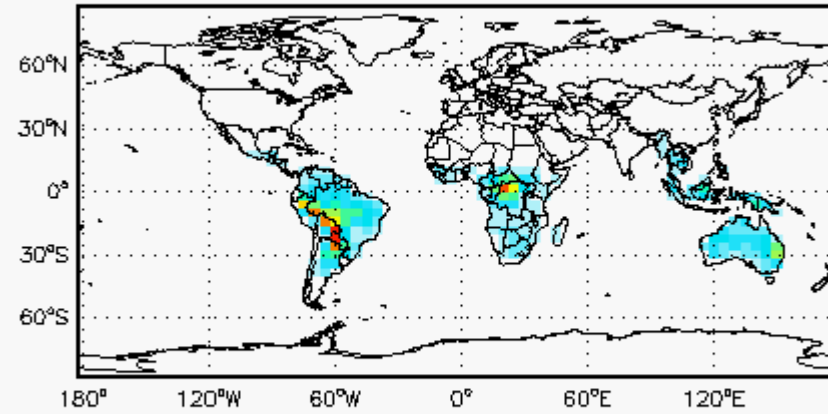
Isoprene Emissions in v8-02-04-Run1
(uses MODIS LAI)

GEOS5 47L: Run0_Isoprene.bpch
ISOP for Jan 2005 L=1 (0.3 km)



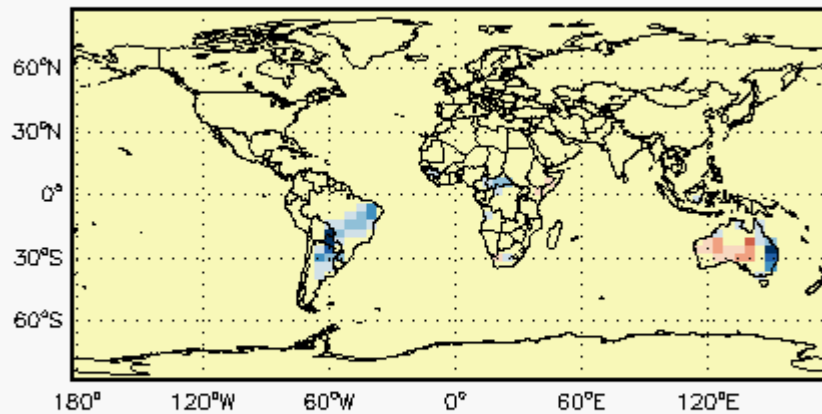
0.00e+00 0.73e+12 1.45e+12 1.81e+12 1.91e+12 1.63e+12 [molC/cm²/s]

GEOS5 47L: Run1_Isoprene.bpch
ISOP for Jan 2005 L=1 (0.3 km)



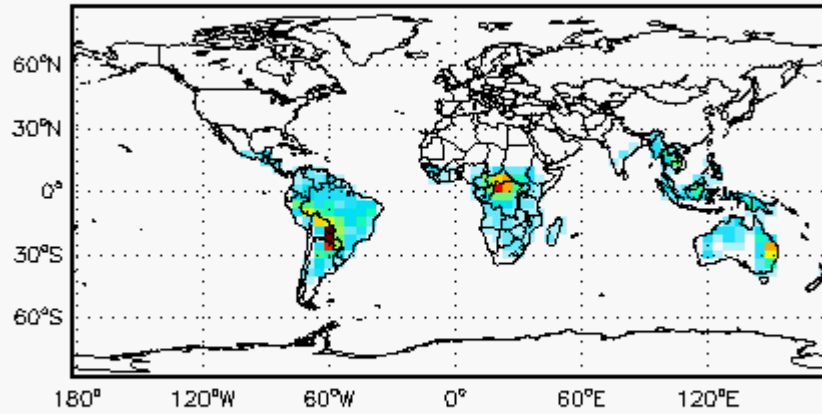
0.00e+00 0.73e+12 1.45e+12 1.81e+12 1.91e+12 1.63e+12 [molC/cm²/s]

Run1_Isoprene.bpch - Run0_Isoprene.bpch
Absolute Difference



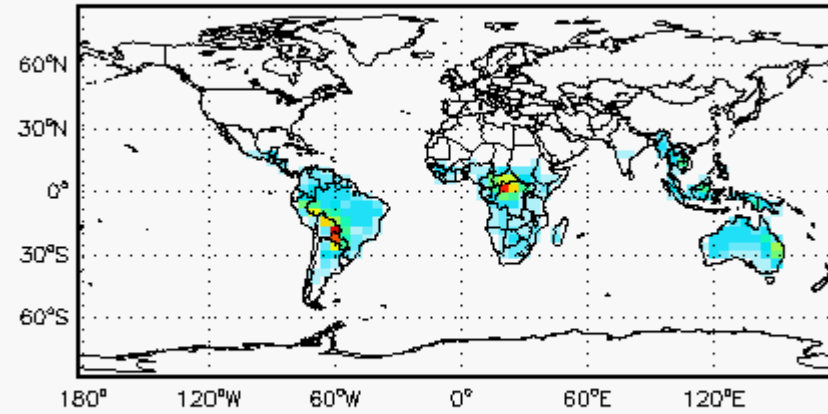
-2.09e+12 -1.05e+12 0.00e+00 1.05e+12 2.09e+12 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISOP for Feb 2005 L=1 (0.3 km)



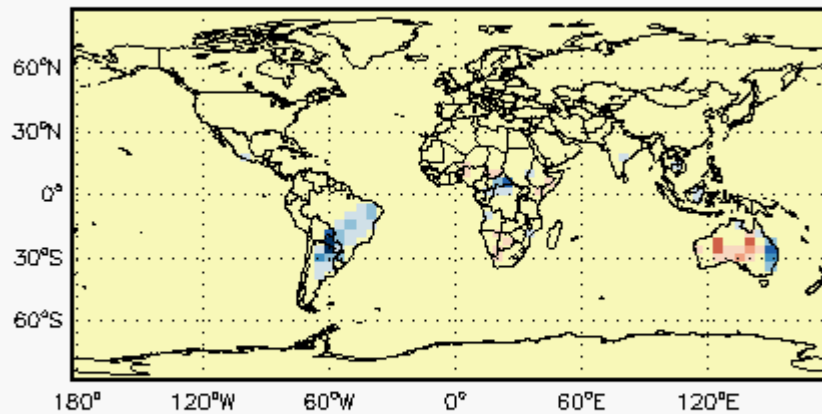
0.00e+00 0.75e+11 2.50e+11 3.25e+11 2.01e+12 8.76e+12 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISOP for Feb 2005 L=1 (0.3 km)



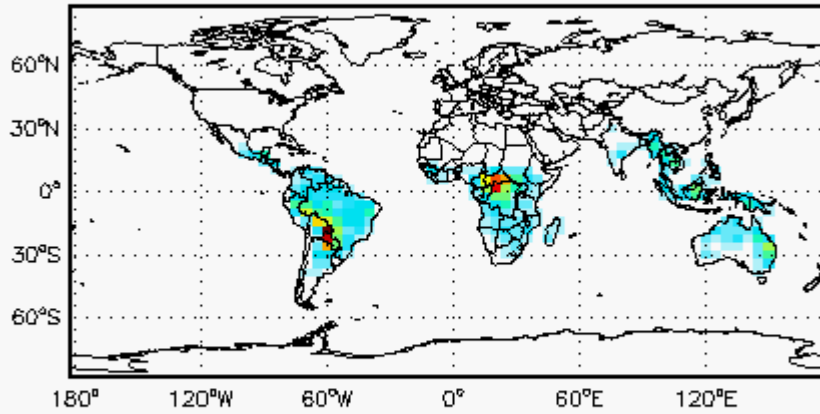
0.00e+00 0.75e+11 2.50e+11 3.25e+11 2.01e+12 8.76e+12 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



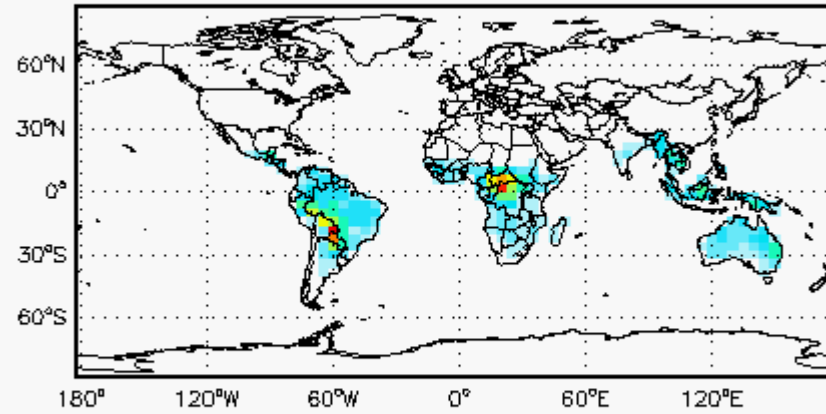
-1.90e+12 -9.51e+11 0.00e+00 9.51e+11 1.90e+12 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISOP for Mar 2005 L=1 (0.3 km)



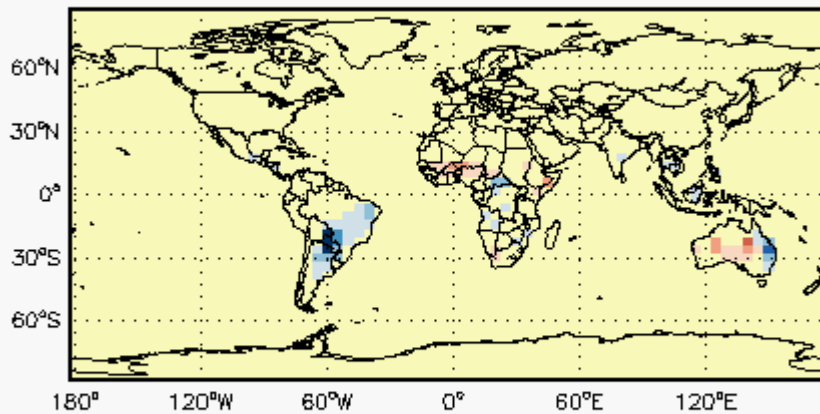
0.00e+00 0.64e+12 2.29e+12 3.93e+12 5.58e+12 7.22e+12 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISOP for Mar 2005 L=1 (0.3 km)



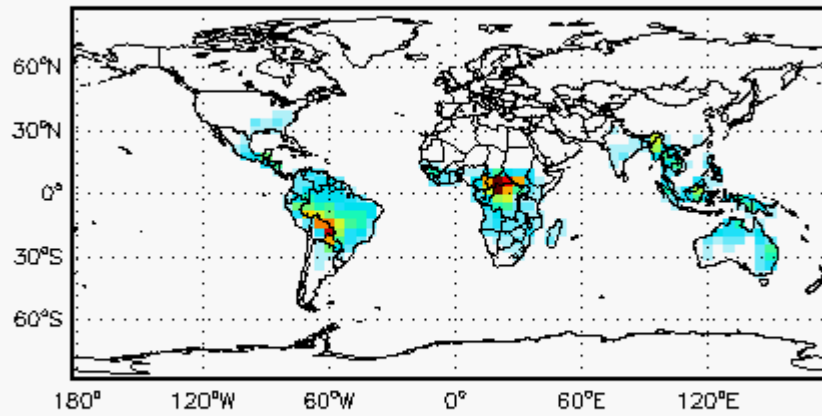
0.00e+00 0.64e+12 2.29e+12 3.93e+12 5.58e+12 7.22e+12 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



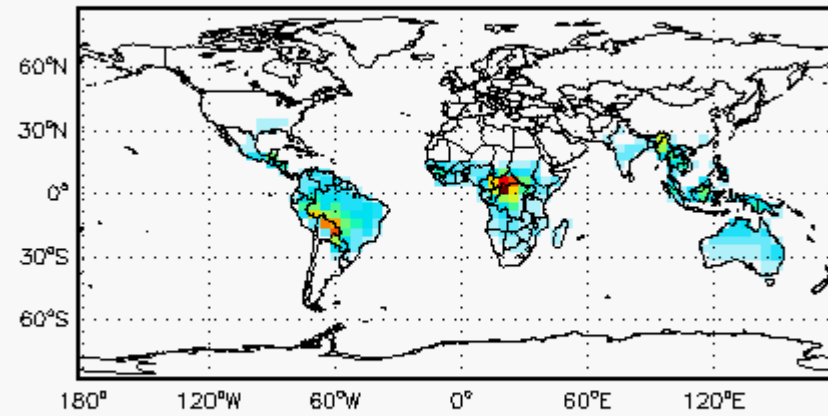
-1.64e+12 -8.20e+11 0.00e+00 8.20e+11 1.64e+12 [molC/cm²]

GEOS5 47L: Run0_Isoprene.bpch
ISOP for Apr 2005 L=1 (0.3 km)



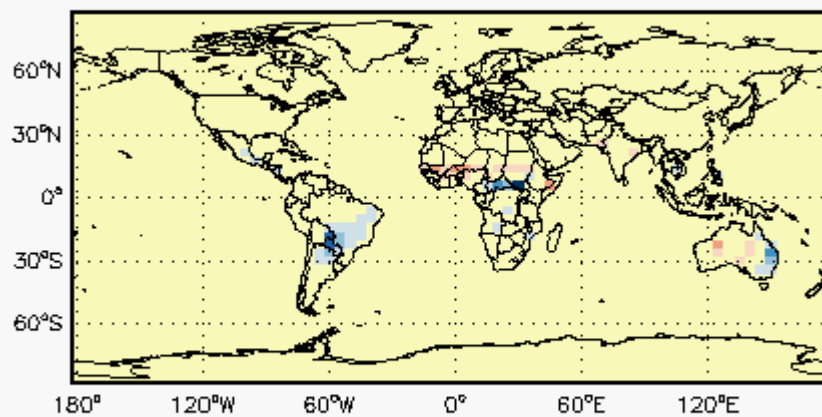
0.00e+00 0.42e+12 0.85e+12 1.27e+12 1.70e+12 2.12e+12 [molC/cm²/s]

GEOS5 47L: Run1_Isoprene.bpch
ISOP for Apr 2005 L=1 (0.3 km)



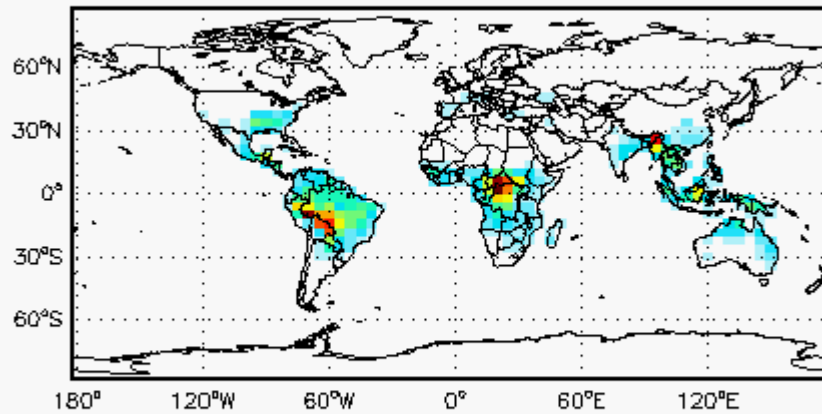
0.00e+00 0.42e+12 0.85e+12 1.27e+12 1.70e+12 2.12e+12 [molC/cm²/s]

Run1_Isoprene.bpch - Run0_Isoprene.bpch
Absolute Difference



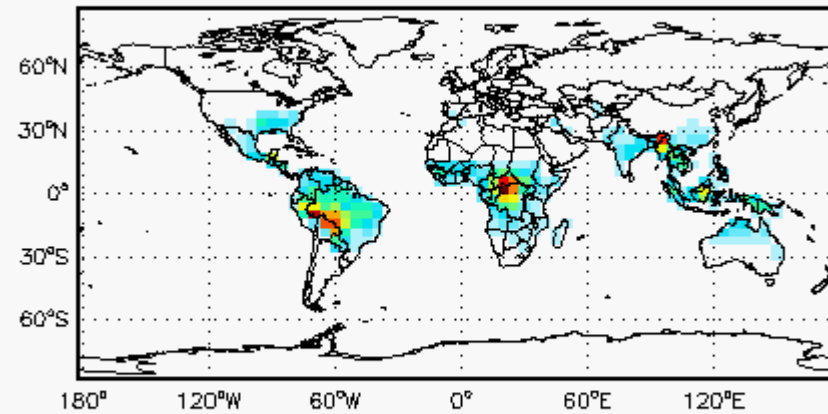
-1.63e+12 -8.15e+11 0.00e+00 8.15e+11 1.63e+12 [molC/cm²]

GEOS5 47L: Run0_Isoprene.bpch
ISOP for May 2005 L=1 (0.3 km)



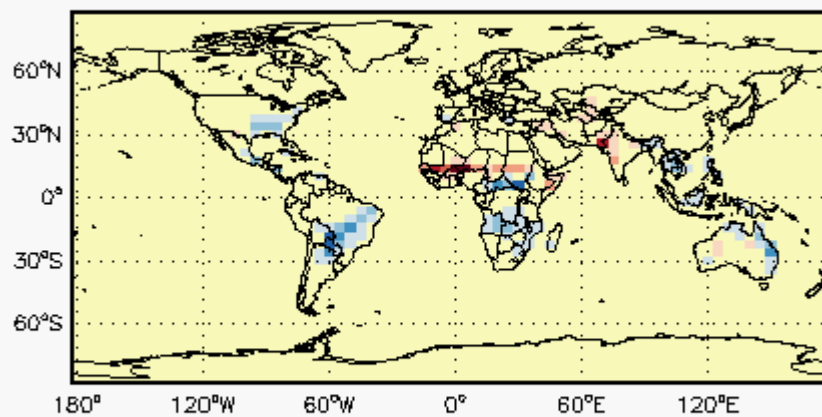
0.00e+00 0.07e+12 0.14e+12 0.22e+12 0.29e+12 0.36e+12 [molC/cm²/s]

GEOS5 47L: Run1_Isoprene.bpch
ISOP for May 2005 L=1 (0.3 km)



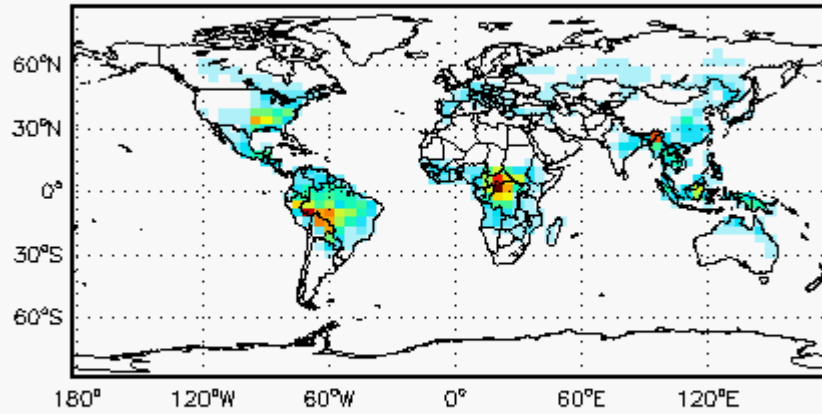
0.00e+00 0.07e+12 0.14e+12 0.22e+12 0.29e+12 0.36e+12 [molC/cm²/s]

Run1_Isoprene.bpch - Run0_Isoprene.bpch
Absolute Difference



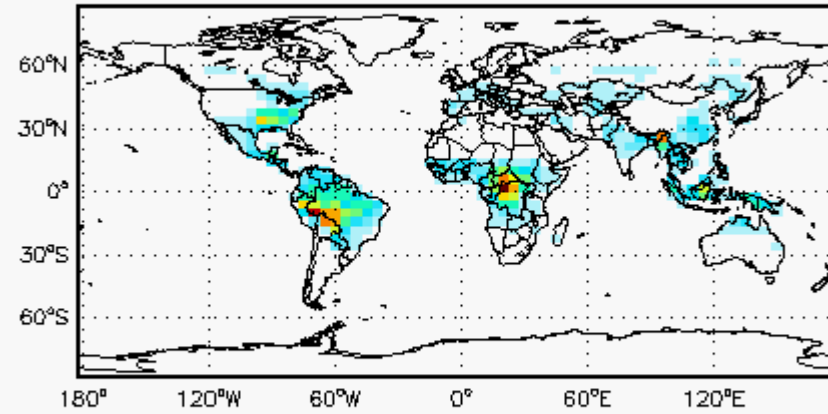
-9.15e+11 -4.58e+11 0.00e+00 4.58e+11 9.15e+11 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISOP for Jun 2005 L=1 (0.3 km)



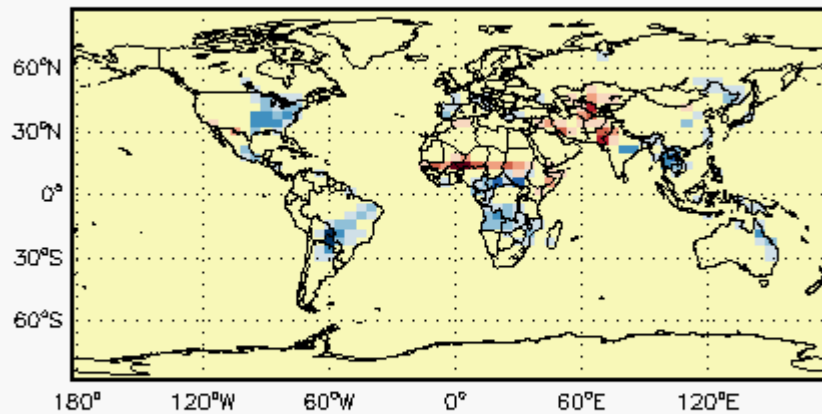
0.00e+00 0.21e+12 4.2e+12 8.4e+12 1.26e+13 1.68e+13 2.10e+13 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISOP for Jun 2005 L=1 (0.3 km)



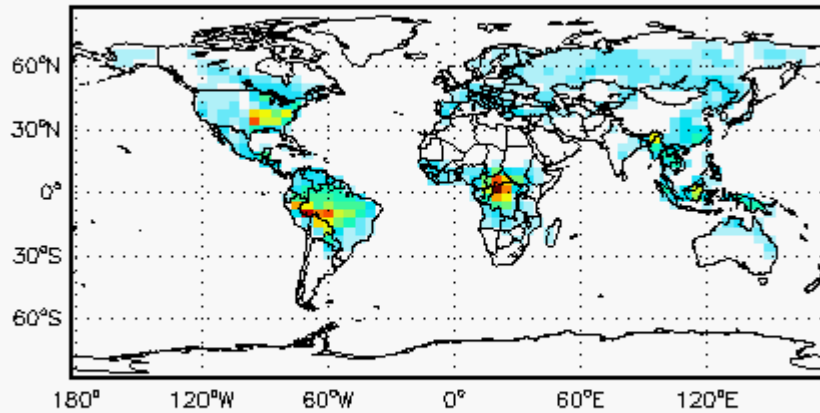
0.00e+00 0.21e+12 4.2e+12 8.4e+12 1.26e+13 1.68e+13 2.10e+13 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



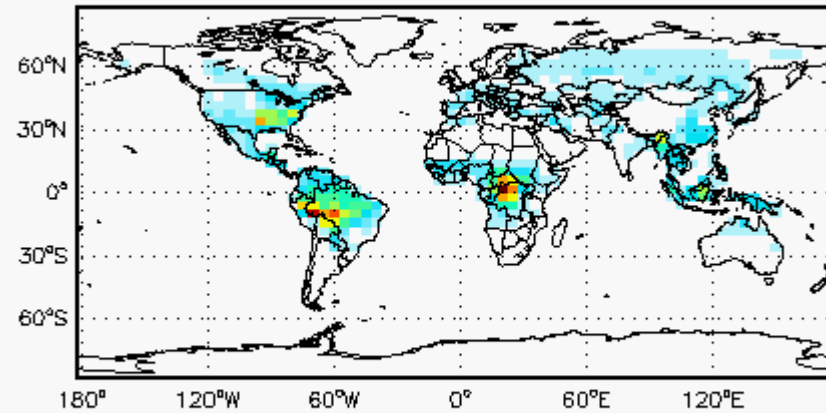
-8.58e+11 -4.29e+11 0.00e+00 4.29e+11 8.58e+11 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISQP for Jul 2005 L=1 (0.3 km)



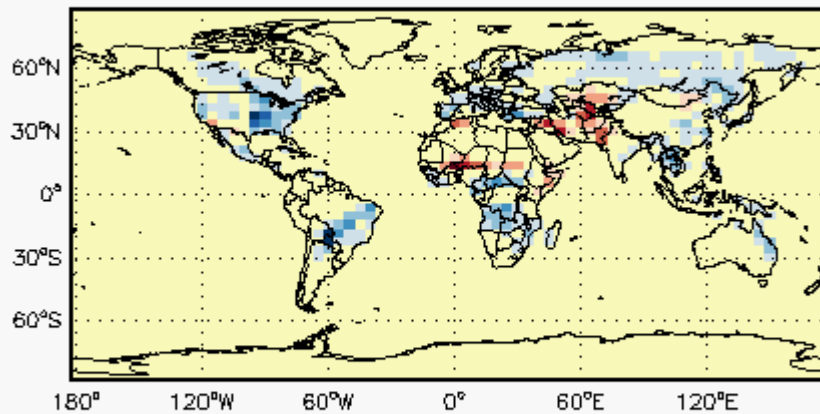
0.00e+00 0.18e+12 0.37e+12 0.55e+12 0.73e+12 0.92e+12 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISQP for Jul 2005 L=1 (0.3 km)



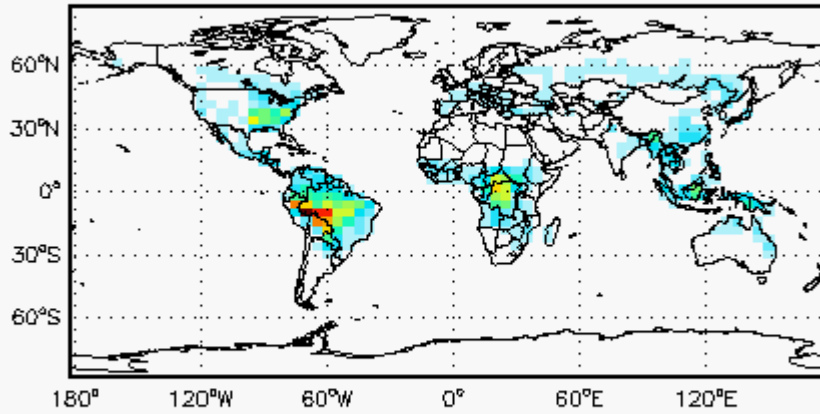
0.00e+00 0.18e+12 0.37e+12 0.55e+12 0.73e+12 0.92e+12 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



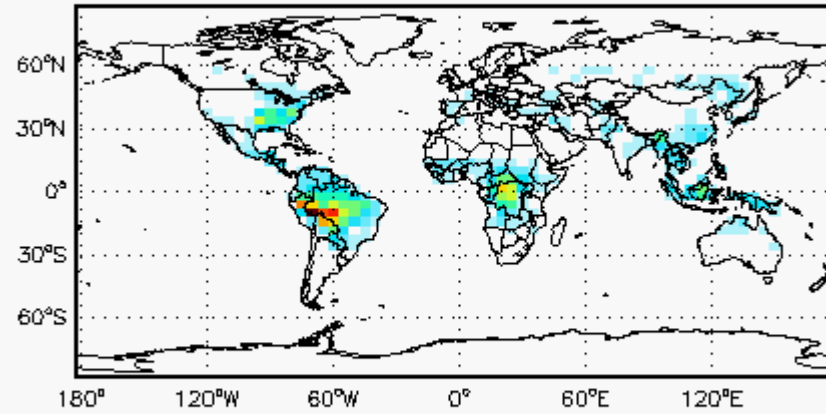
-8.05e+11 -4.03e+11 0.00e+00 4.03e+11 8.05e+11 [molC/cm²]

GEOS5 47L: Run0_Isoprene.bpch
ISOP for Aug 2005 L=1 (0.3 km)



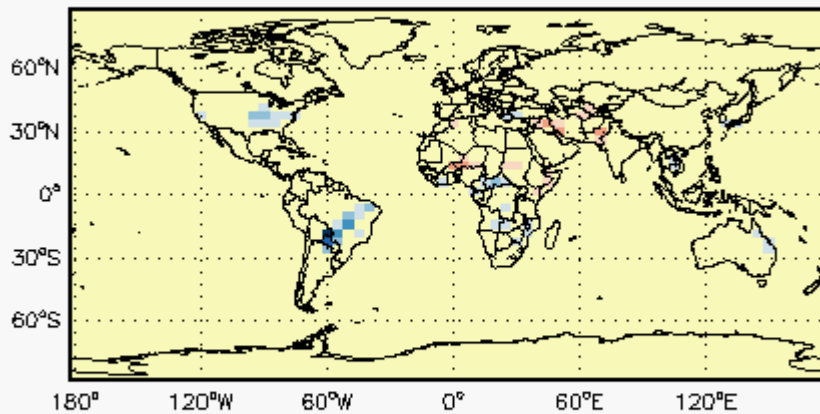
0.00e+00 0.52e+12 0.04e+12 0.56e+12 0.07e+12 0.59e+12 [molC/cm²/s]

GEOS5 47L: Run1_Isoprene.bpch
ISOP for Aug 2005 L=1 (0.3 km)



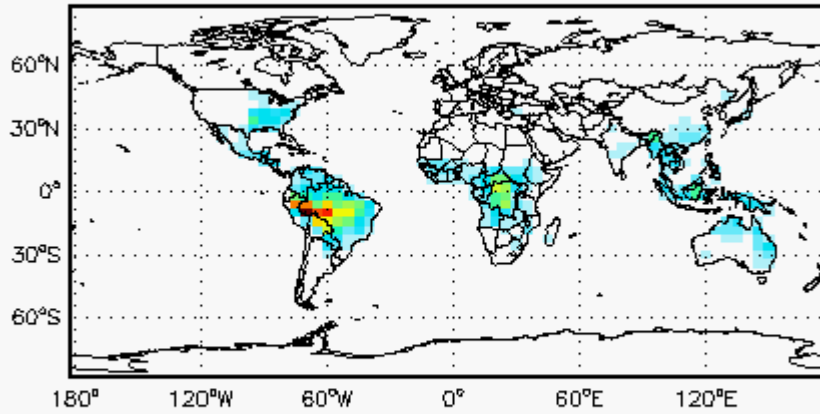
0.00e+00 0.52e+12 0.04e+12 0.56e+12 0.07e+12 0.59e+12 [molC/cm²/s]

Run1_Isoprene.bpch - Run0_Isoprene.bpch
Absolute Difference



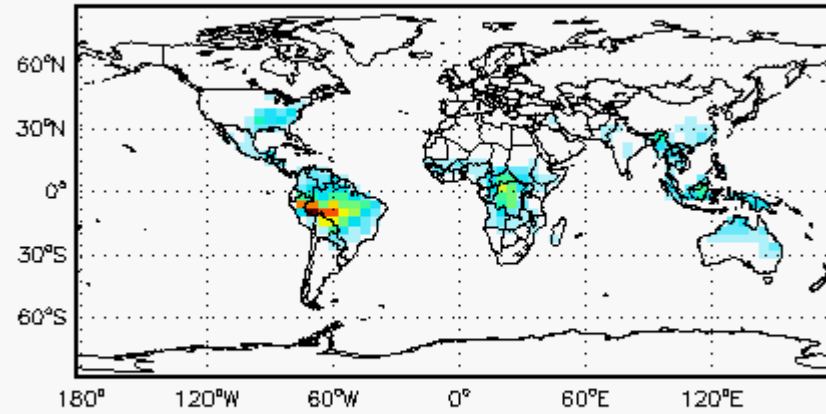
-1.55e+12 -7.76e+11 0.00e+00 7.76e+11 1.55e+12 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISOP for Sep 2005 L=1 (0.3 km)



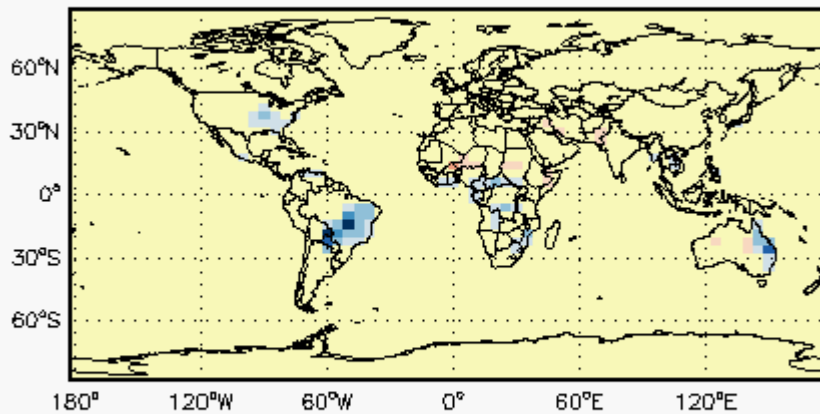
0.00e+00 0.89e+11 2.79e+11 3.68e+11 2.58e+11 2.47e+12 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISOP for Sep 2005 L=1 (0.3 km)



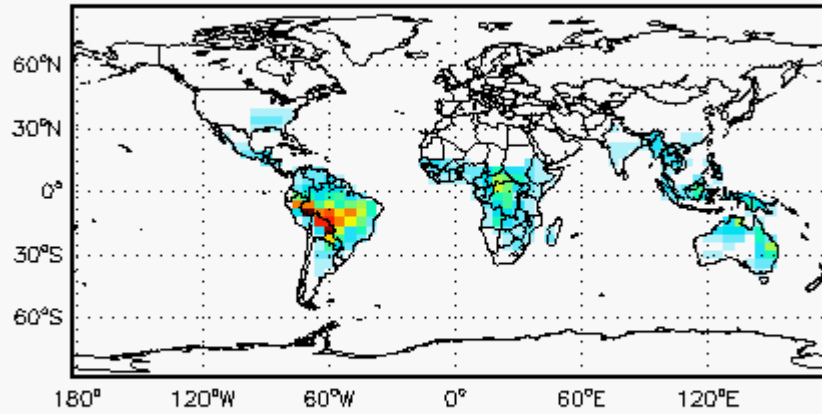
0.00e+00 0.89e+11 2.79e+11 3.68e+11 2.58e+11 2.47e+12 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



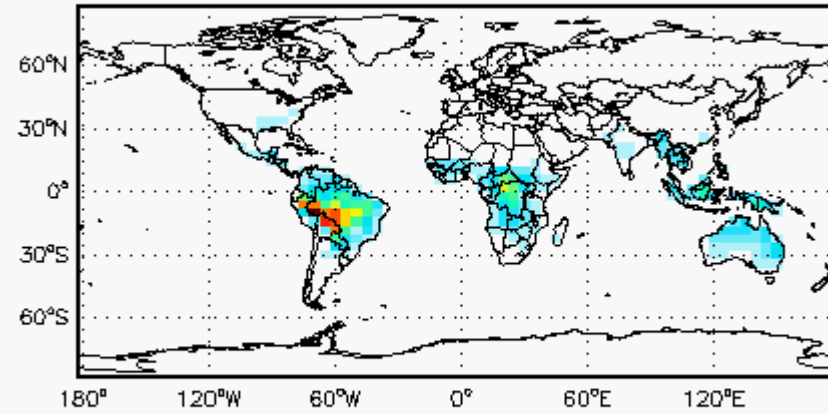
-1.46e+12 -7.29e+11 0.00e+00 7.29e+11 1.46e+12 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISOP for Oct 2005 L=1 (0.3 km)



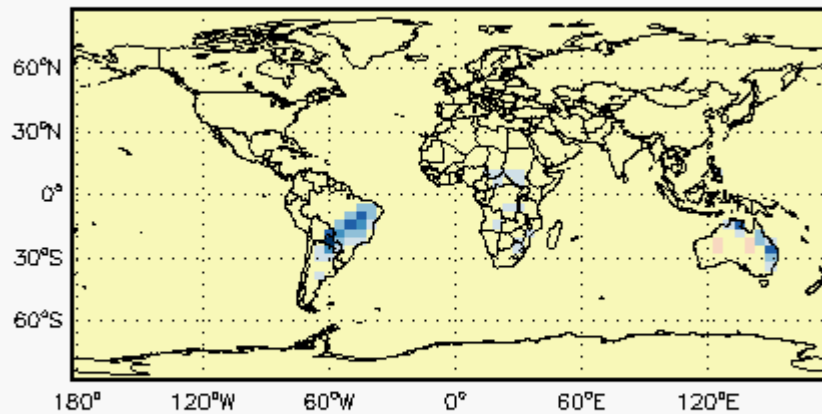
0.00e+00 0.81e+12 1.62e+12 2.44e+12 3.25e+12 4.06e+12 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISOP for Oct 2005 L=1 (0.3 km)



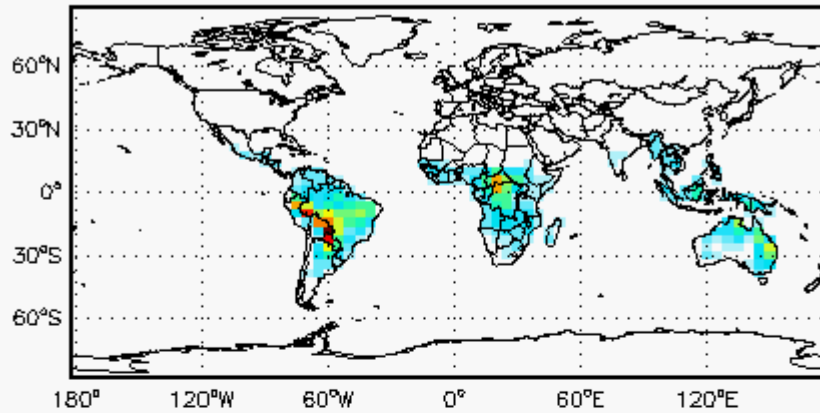
0.00e+00 0.81e+12 1.62e+12 2.44e+12 3.25e+12 4.06e+12 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



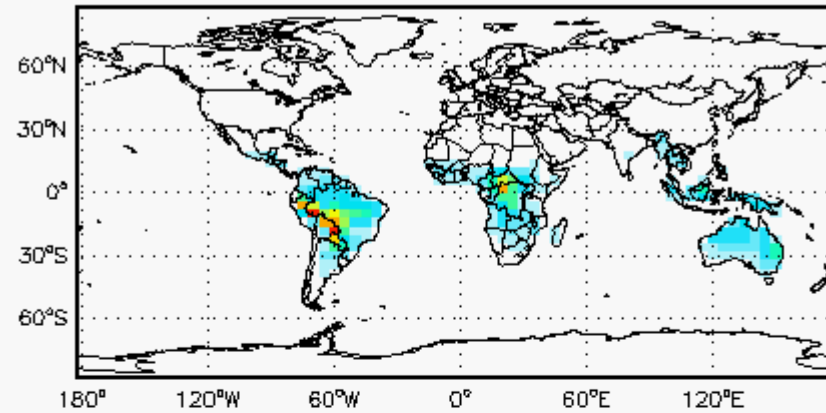
-2.28e+12 -1.14e+12 0.00e+00 1.14e+12 2.28e+12 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISOP for Nov 2005 L=1 (0.3 km)



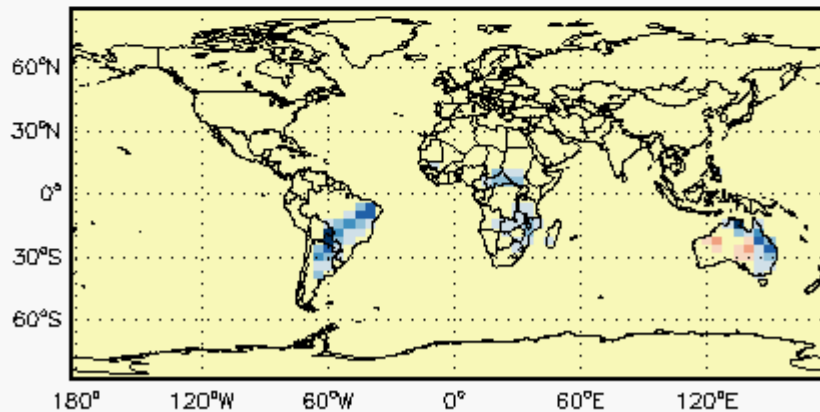
0.00e+00 0.85e+11 2.71e+11 5.56e+11 2.42e+12 2.27e+12 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISOP for Nov 2005 L=1 (0.3 km)



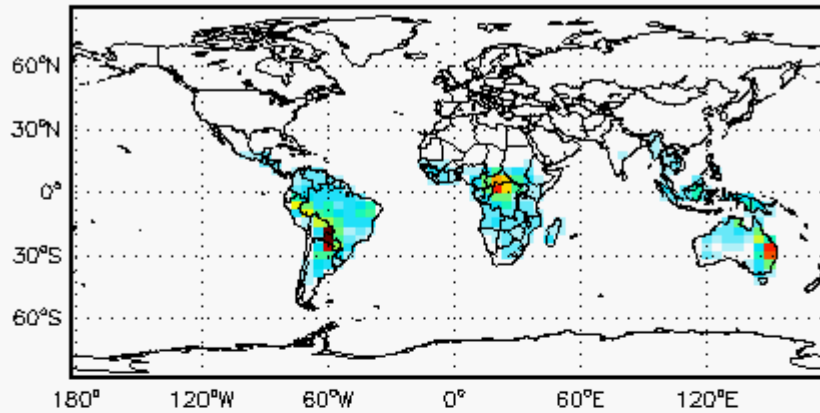
0.00e+00 0.85e+11 2.71e+11 5.56e+11 2.42e+12 2.27e+12 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



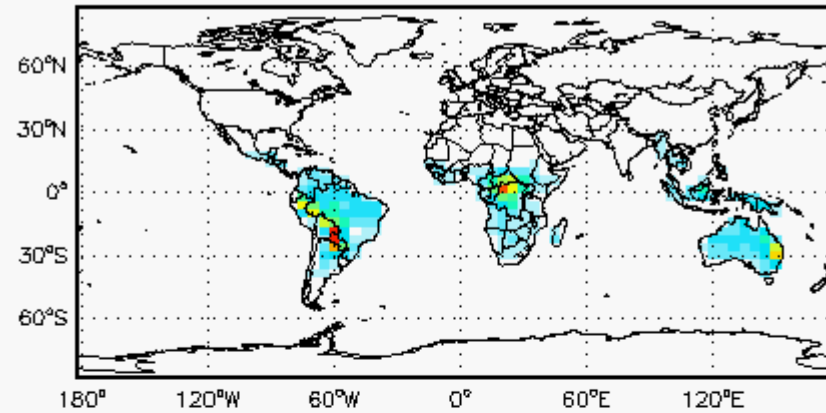
-2.30e+12 -1.15e+12 0.00e+00 1.15e+12 2.30e+12 [molC/cm²]

GEOS5 47L: Run0_isoprene.bpch
ISOP for Dec 2005 L=1 (0.3 km)



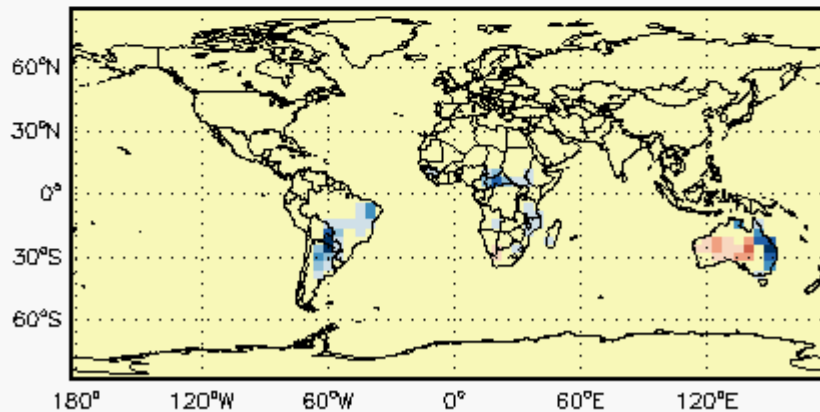
0.00e+00 0.63e+12 2.26e+12 2.89e+12 1.52e+13 1.15e+13 [molC/cm²/s]

GEOS5 47L: Run1_isoprene.bpch
ISOP for Dec 2005 L=1 (0.3 km)



0.00e+00 0.63e+12 2.26e+12 2.89e+12 1.52e+13 1.15e+13 [molC/cm²/s]

Run1_isoprene.bpch - Run0_isoprene.bpch
Absolute Difference



-2.09e+12 -1.04e+12 0.00e+00 1.04e+12 2.09e+12 [molC/cm²/s]