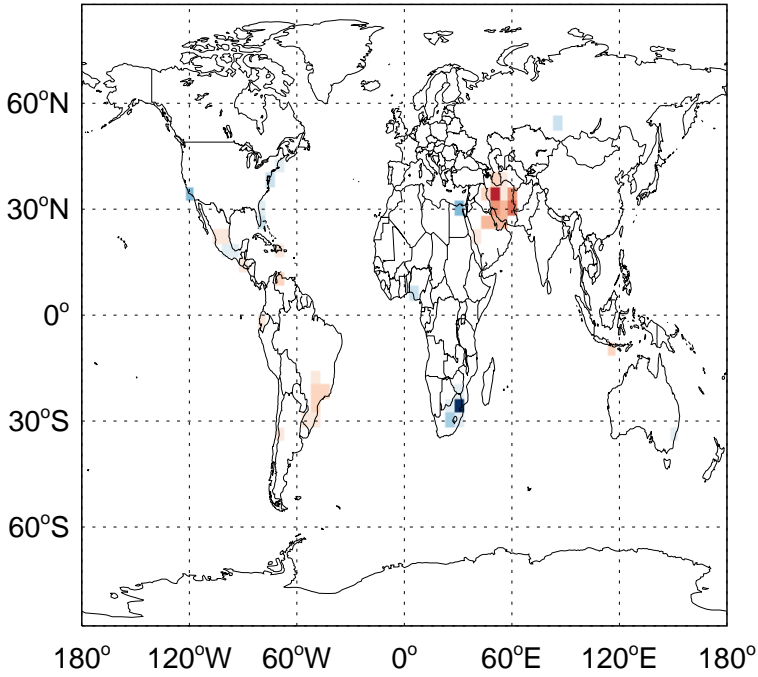


# GEOS-Chem Absolute Emission Differences

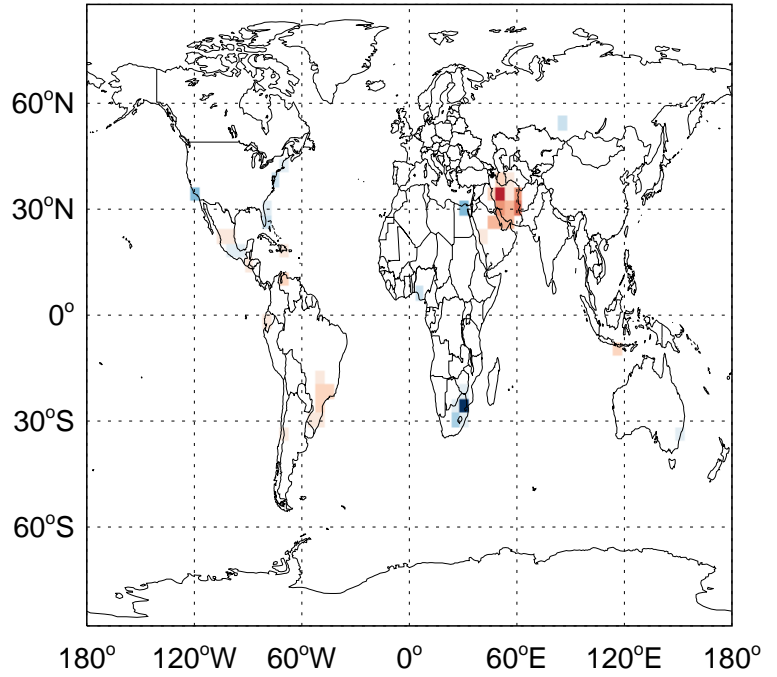
v11-02f-Run1 - v11-02e-Run0

NO column anth+biof emissions for Jul



v11-02f-Run1 - v11-02e-Run1

NO column anth+biof emissions for Jul



-1.06e+11

0.00e+00

1.06e+11

molecules

-1.06e+11

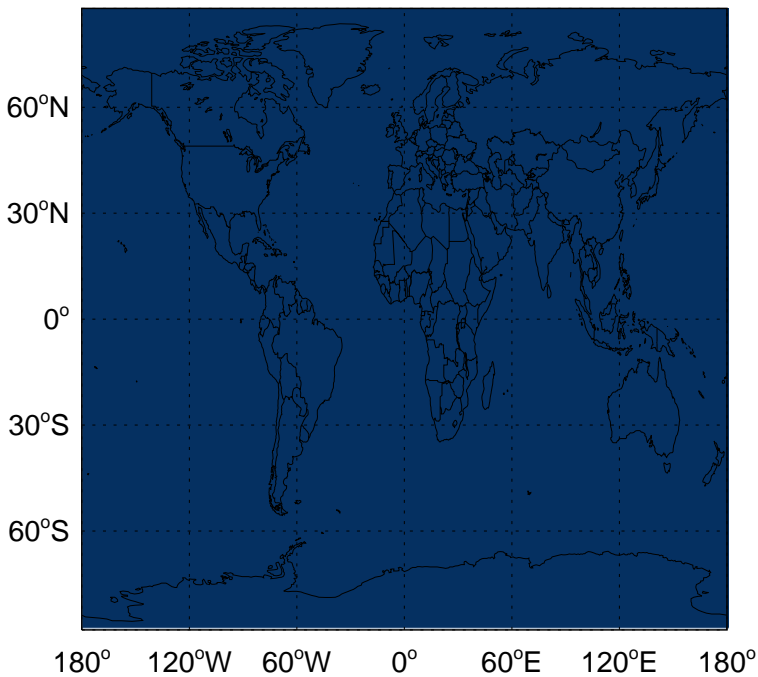
0.00e+00

1.06e+11

molecules

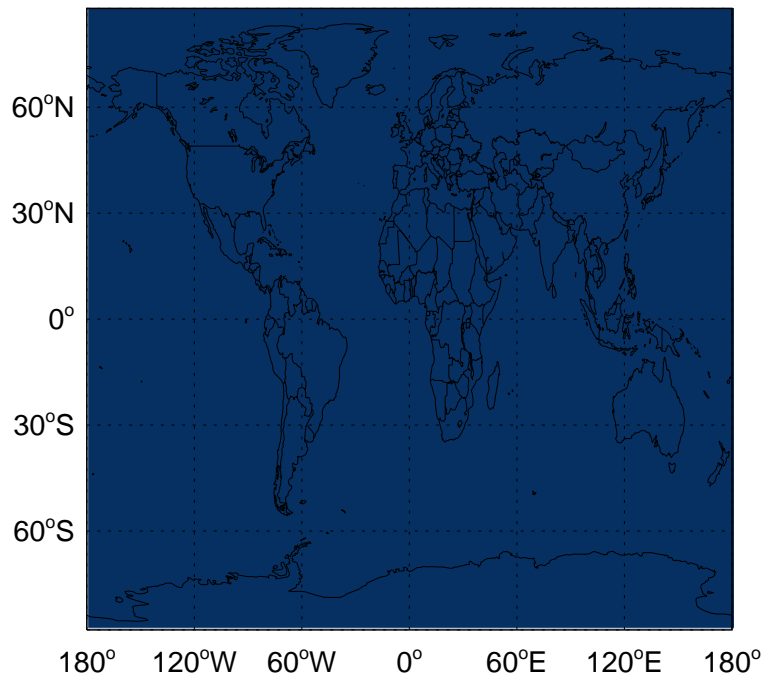
v11-02f-Run1 - v11-02e-Run0

NO column aircraft emissions for Jul



v11-02f-Run1 - v11-02e-Run1

NO column aircraft emissions for Jul



0.00e+00

molecules

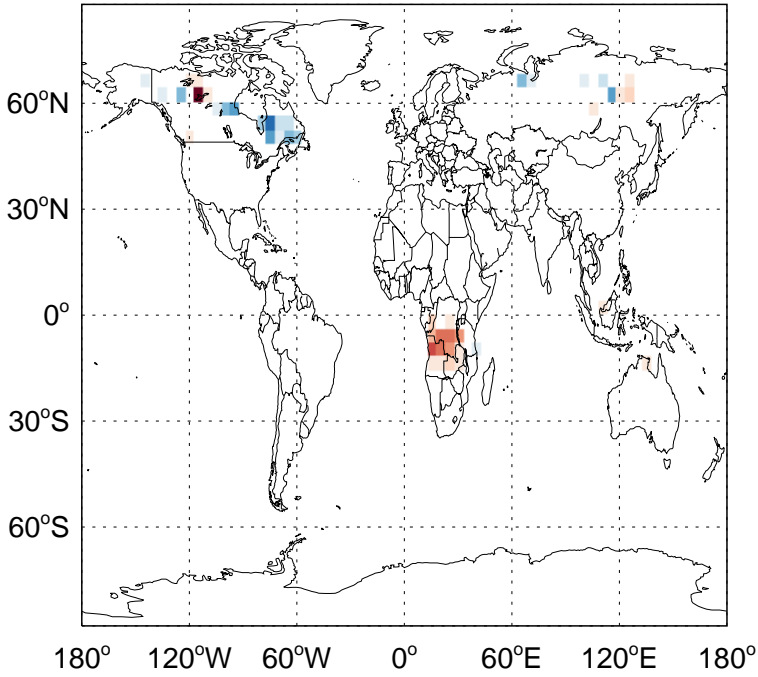
0.00e+00

molecules

# GEOS-Chem Absolute Emission Differences

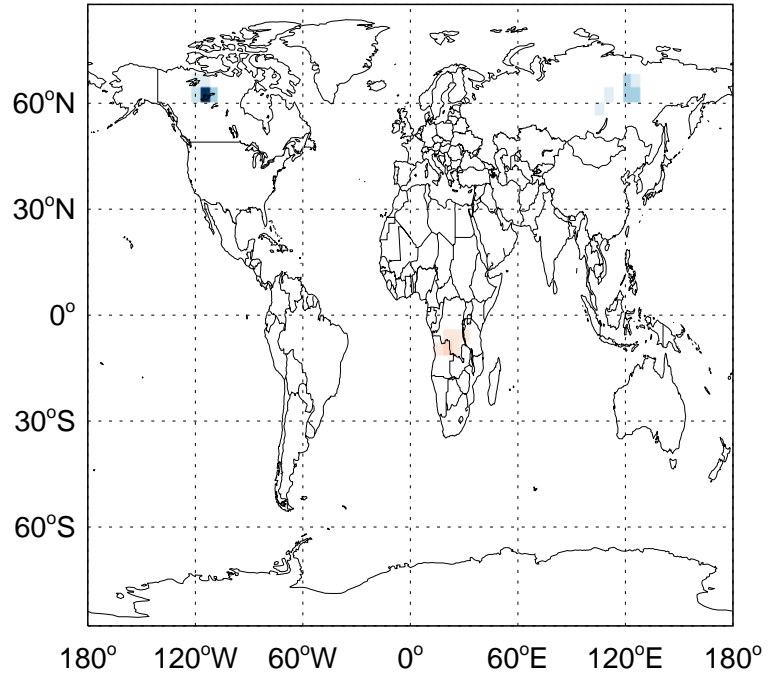
v11-02f-Run1 - v11-02e-Run0

NO biomass emissions for Jul



v11-02f-Run1 - v11-02e-Run1

NO biomass emissions for Jul



-3.30e+11

0.00e+00

3.30e+11 molecules cm<sup>-2</sup> s<sup>-1</sup>

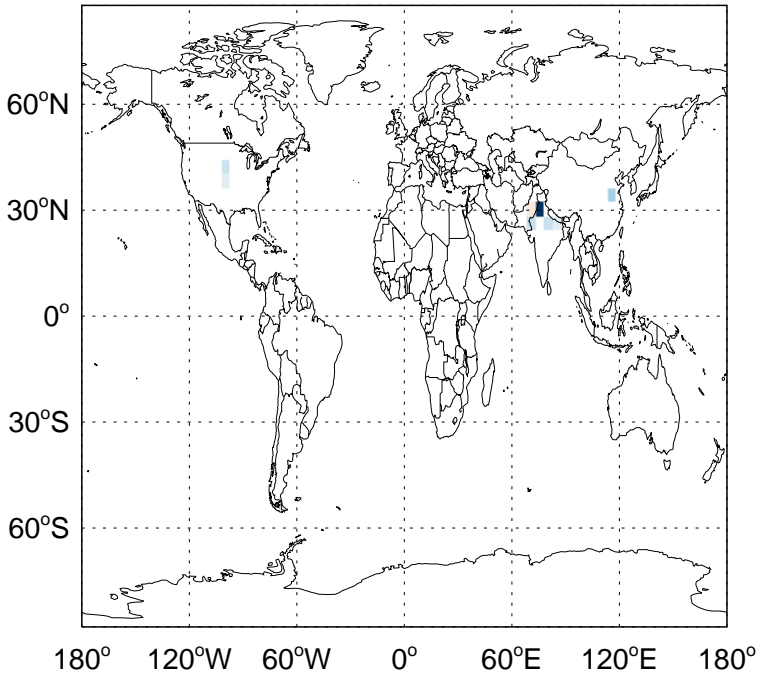
-3.30e+11

0.00e+00

8.98e+11 molecules cm<sup>-2</sup> s<sup>-1</sup>

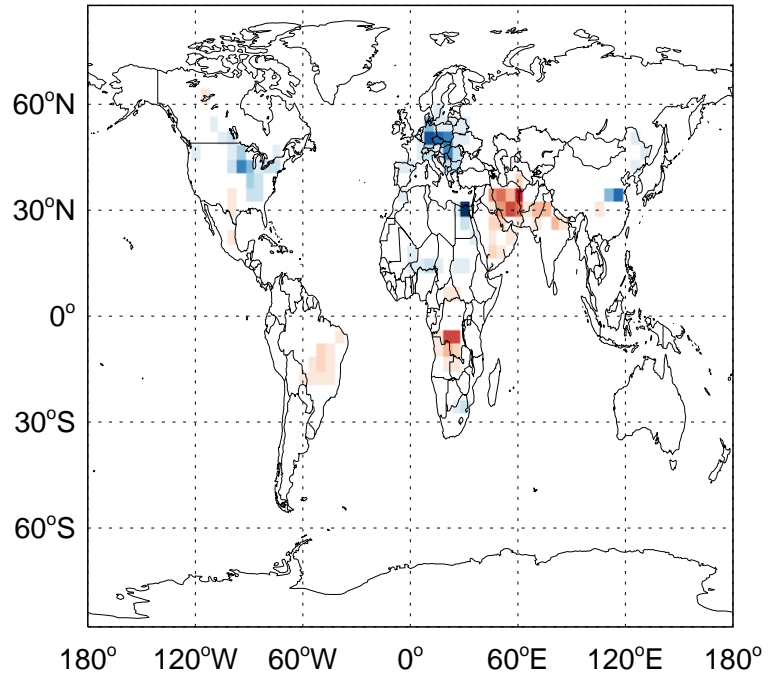
v11-02f-Run1 - v11-02e-Run0

NO fertilizer emissions for Jul



v11-02f-Run1 - v11-02e-Run1

NO fertilizer emissions for Jul



-1.07e+11

0.00e+00

1.07e+11 molecules cm<sup>-2</sup> s<sup>-1</sup>

-1.18e+09

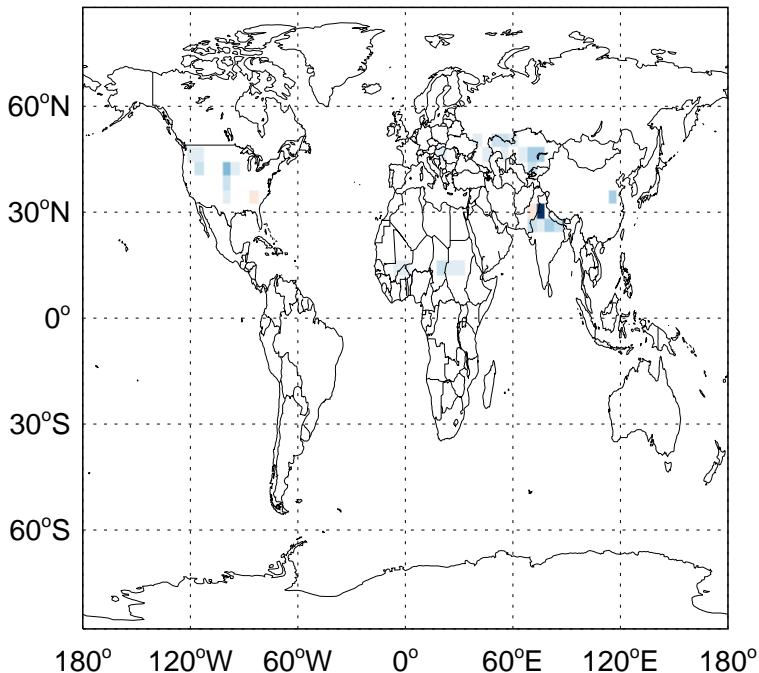
0.00e+00

1.18e+09 molecules cm<sup>-2</sup> s<sup>-1</sup>

# GEOS-Chem Absolute Emission Differences

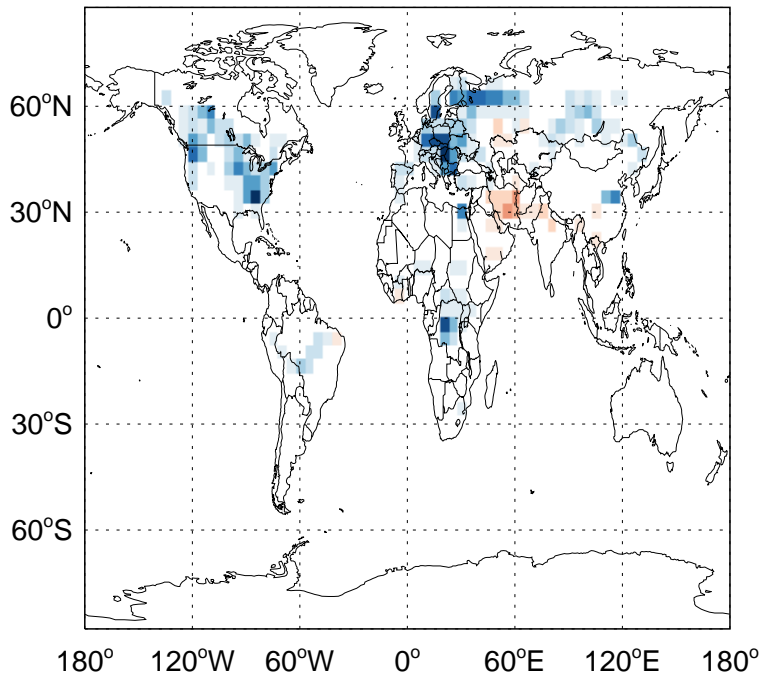
## v11-02f-Run1 - v11-02e-Run0

NO soil emissions for Jul



## v11-02f-Run1 - v11-02e-Run1

NO soil emissions for Jul

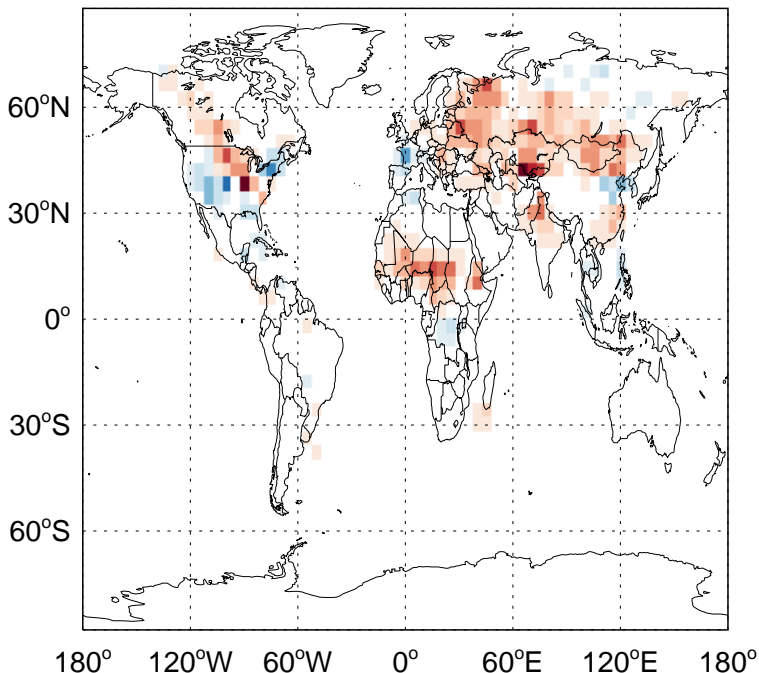


-1.49e+11 0.00e+00 1.49e+11 molecules cm<sup>-2</sup> s<sup>-1</sup>

-2.01e+09 0.00e+00 2.01e+09 molecules cm<sup>-2</sup> s<sup>-1</sup>

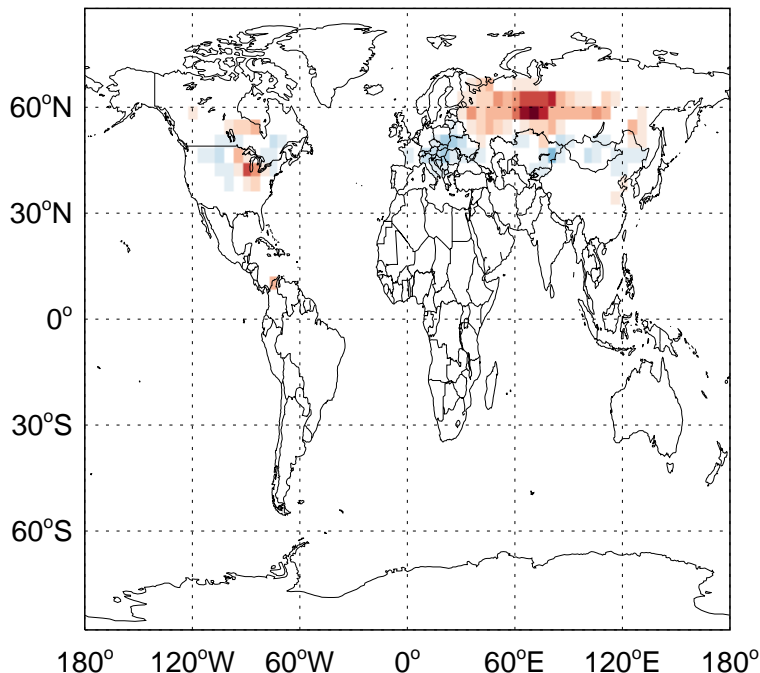
## v11-02f-Run1 - v11-02e-Run0

NO column lightning emissions for Jul



## v11-02f-Run1 - v11-02e-Run1

NO column lightning emissions for Jul



-1.35e+10 0.00e+00 1.35e+10 molecules cm<sup>-2</sup> s<sup>-1</sup>

-1.99e+05 0.00e+00 1.99e+05 molecules cm<sup>-2</sup> s<sup>-1</sup>