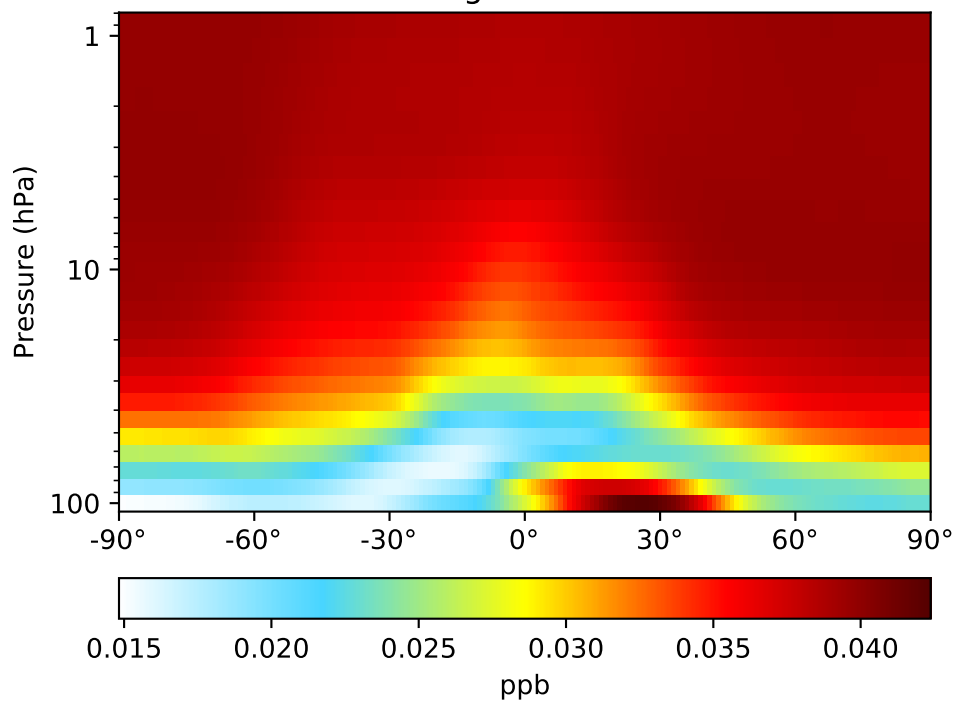
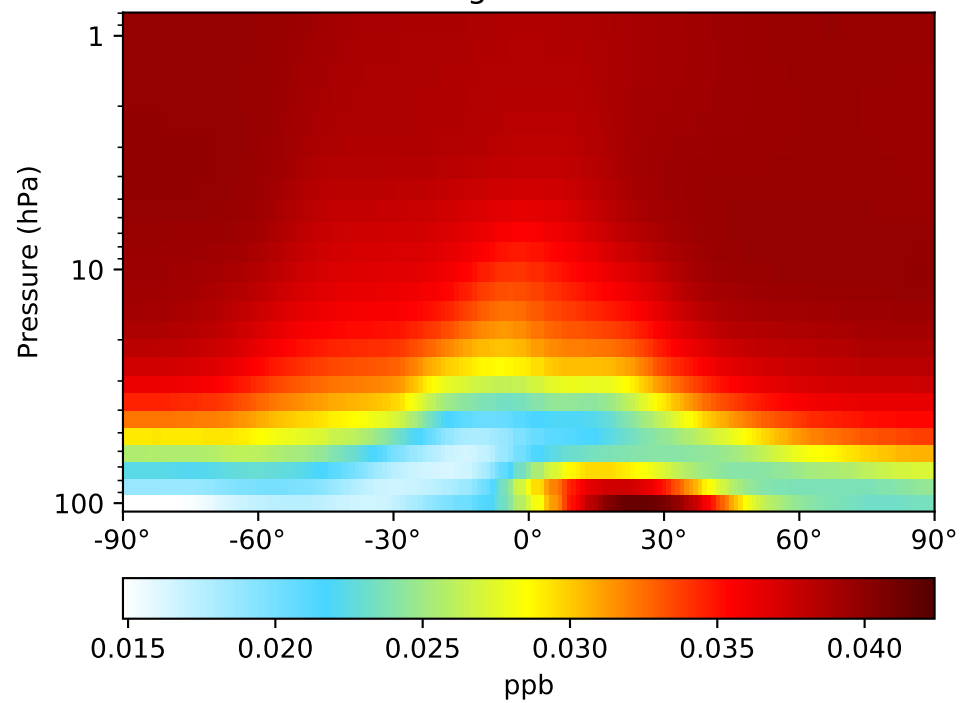


# SpeciesConc\_NH4, Zonal Mean

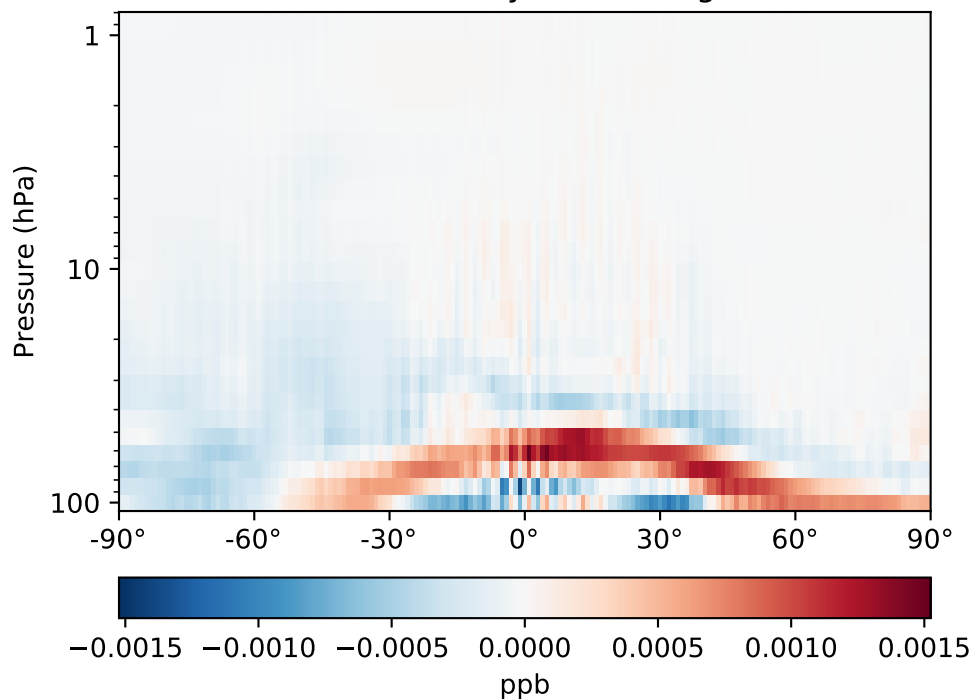
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



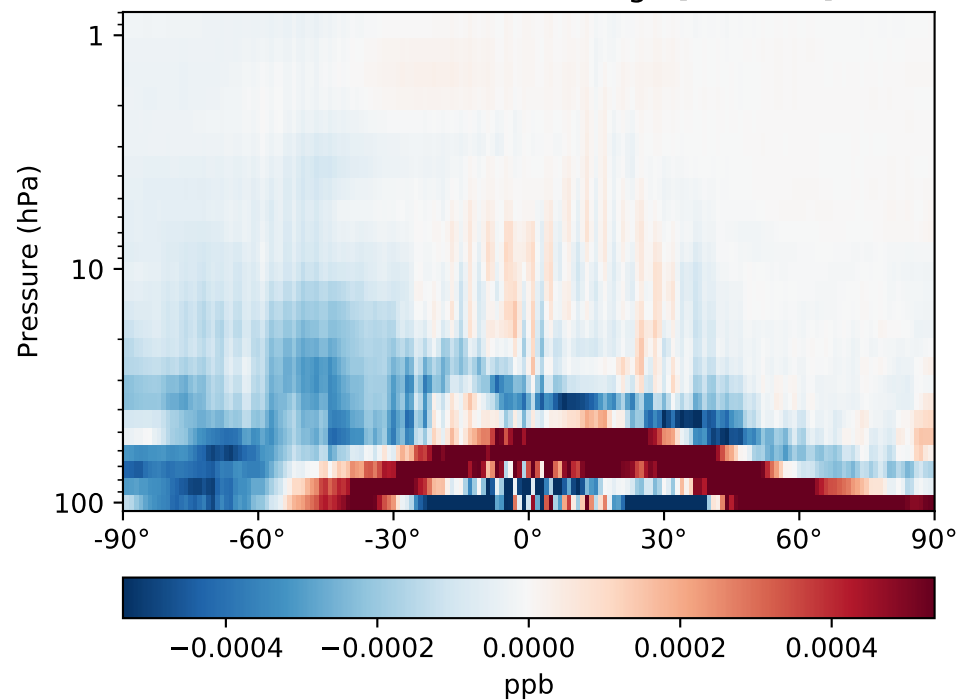
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



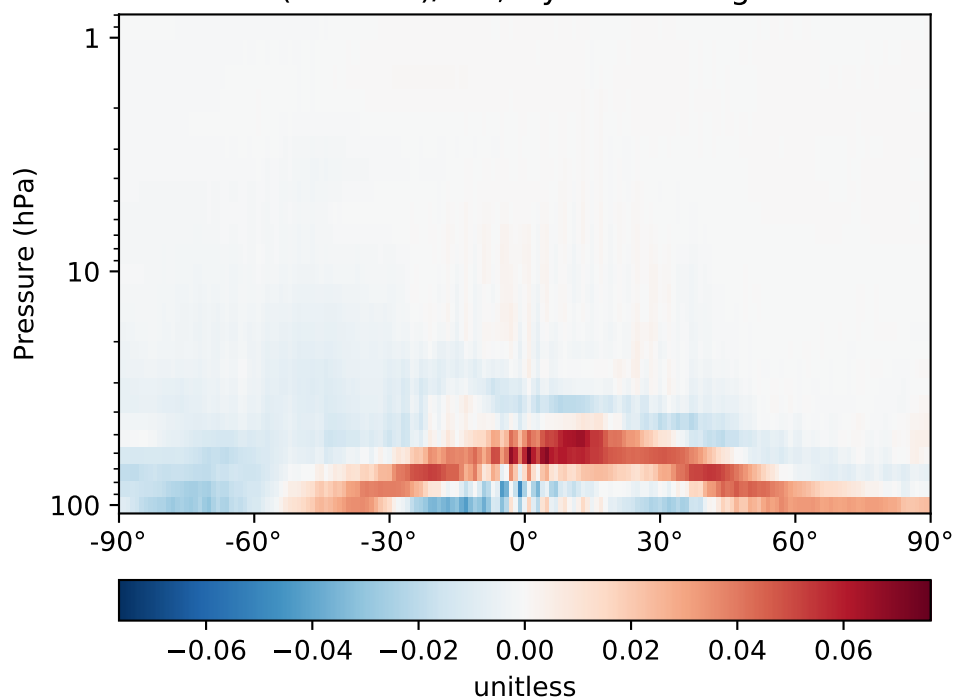
Difference (1x1.25)  
Dev - Ref, Dynamic Range



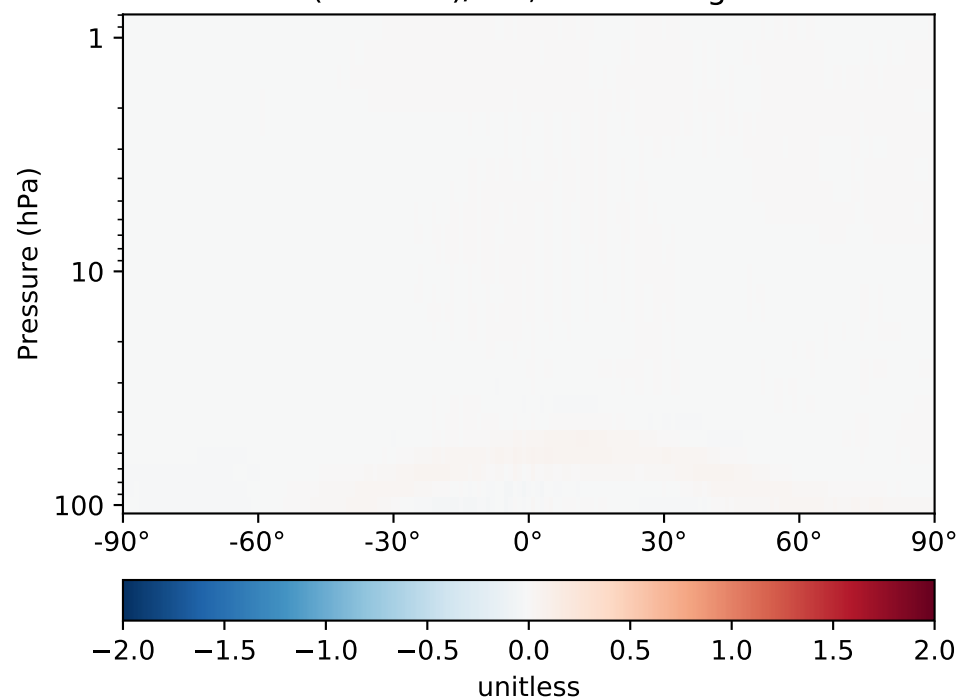
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

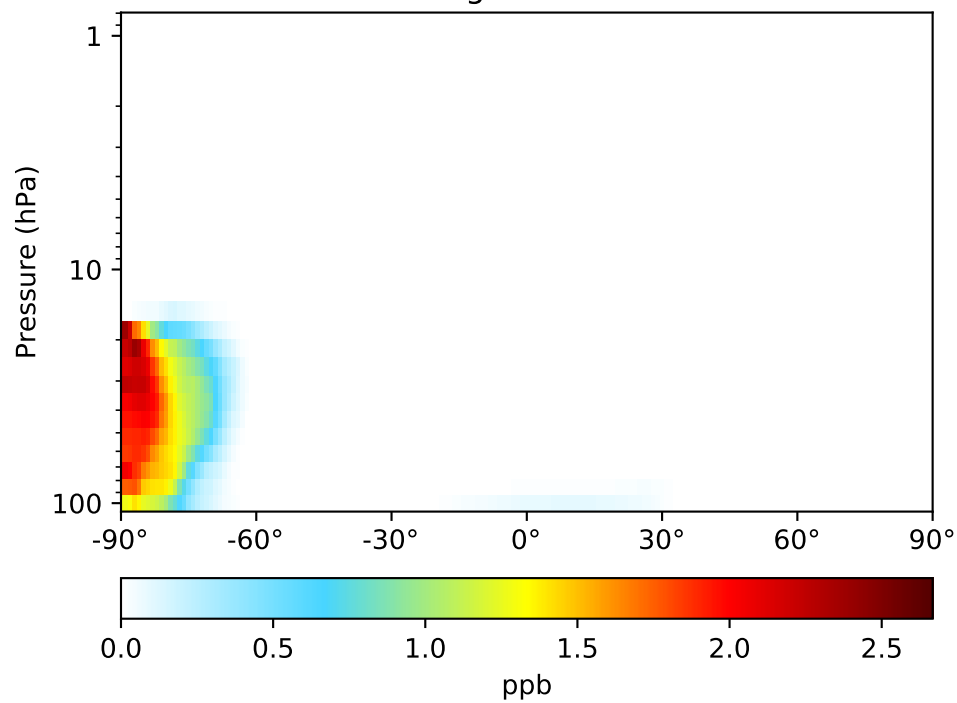


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

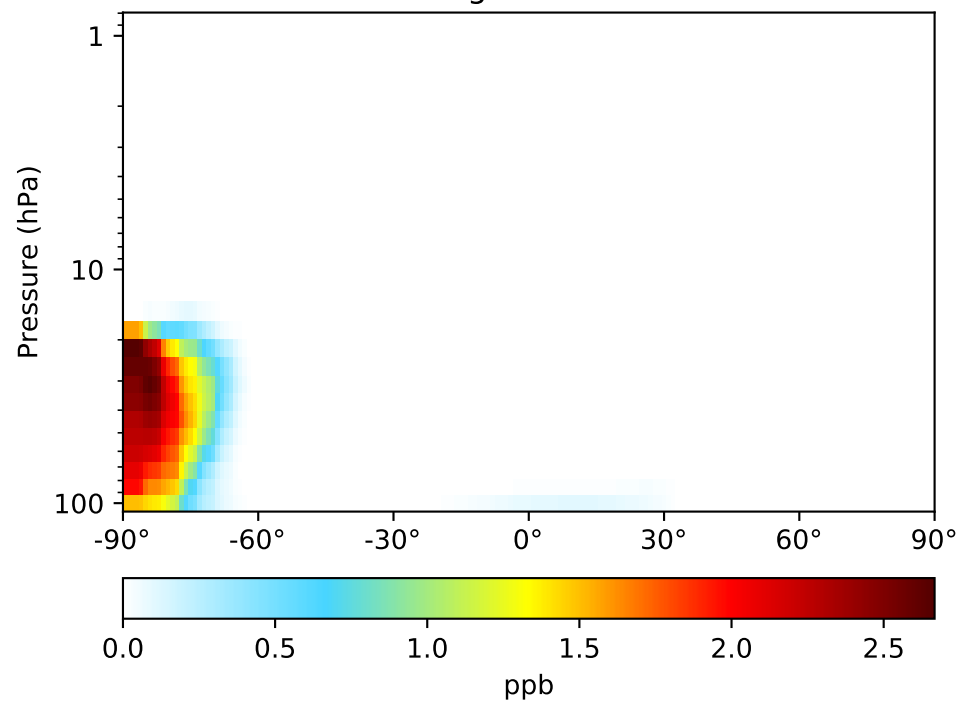


# SpeciesConc\_NIT, Zonal Mean

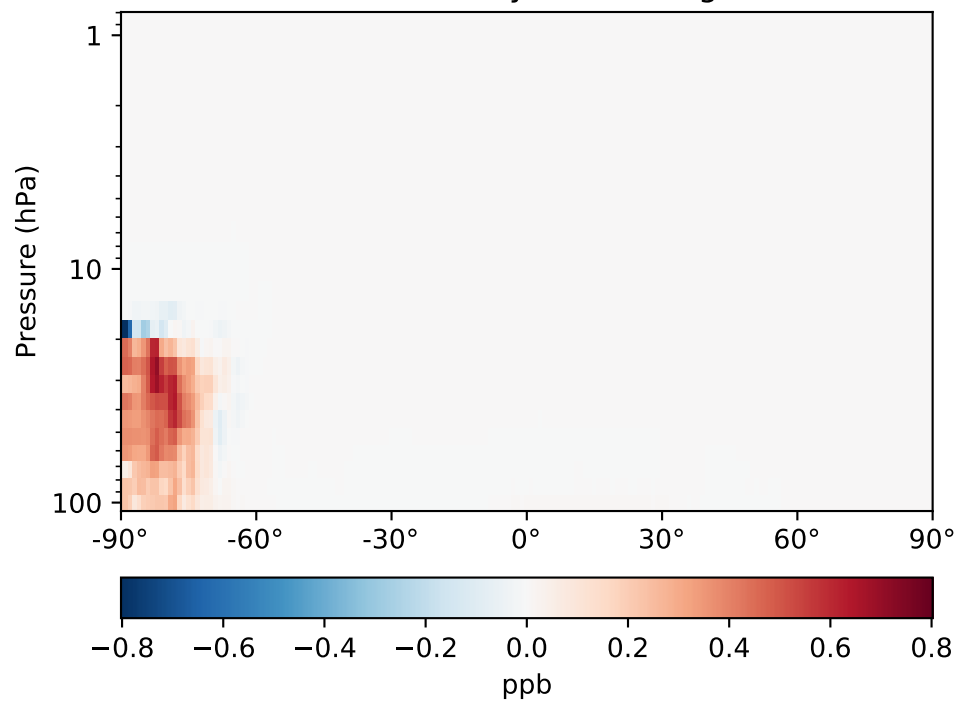
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



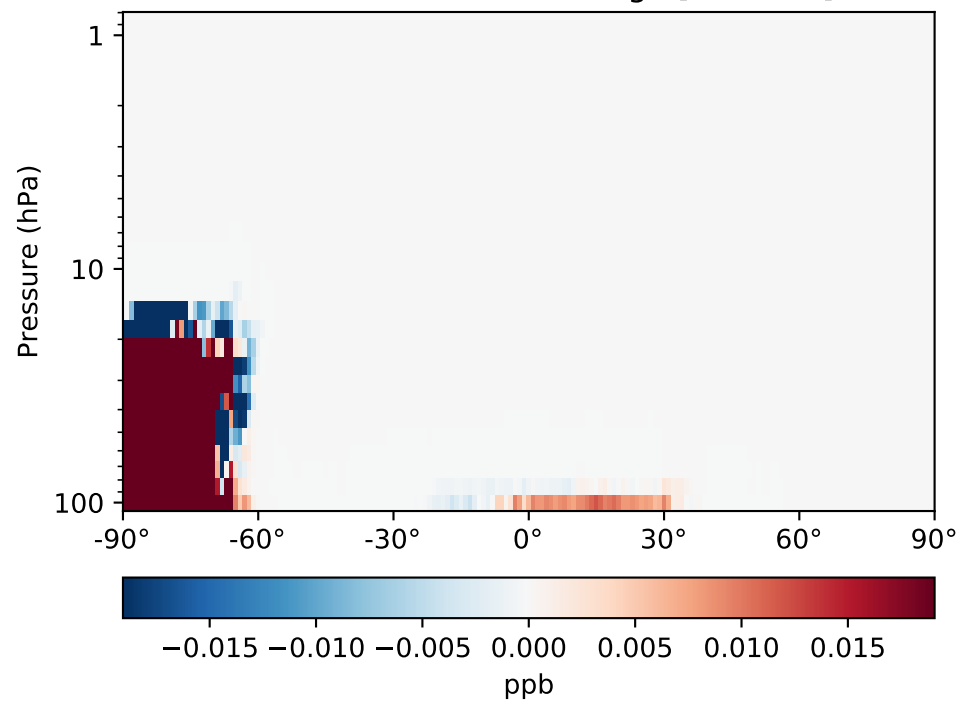
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



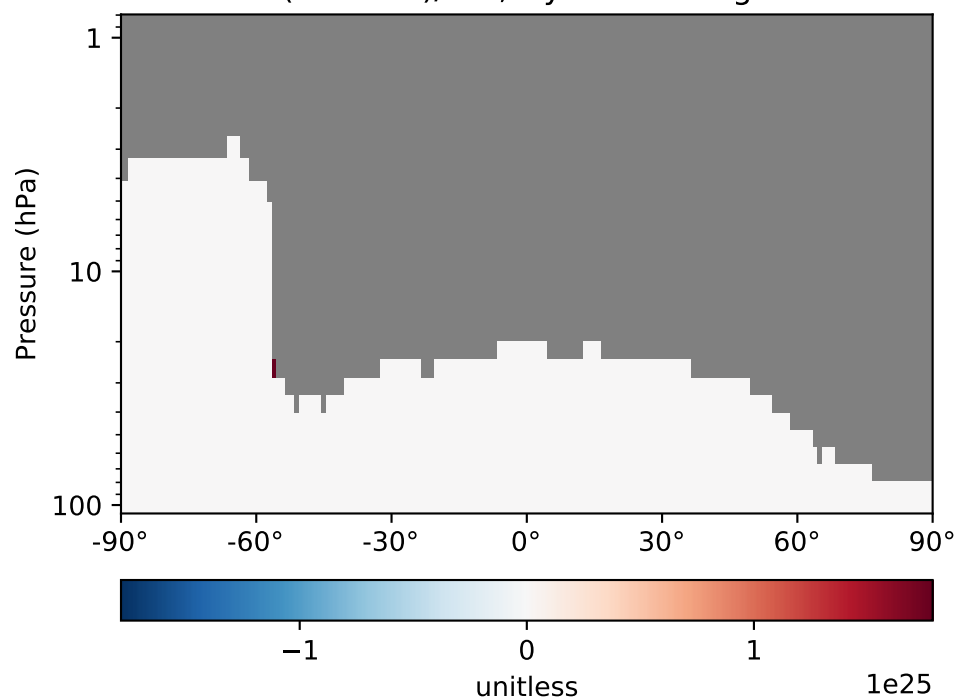
Difference (1x1.25)  
Dev - Ref, Dynamic Range



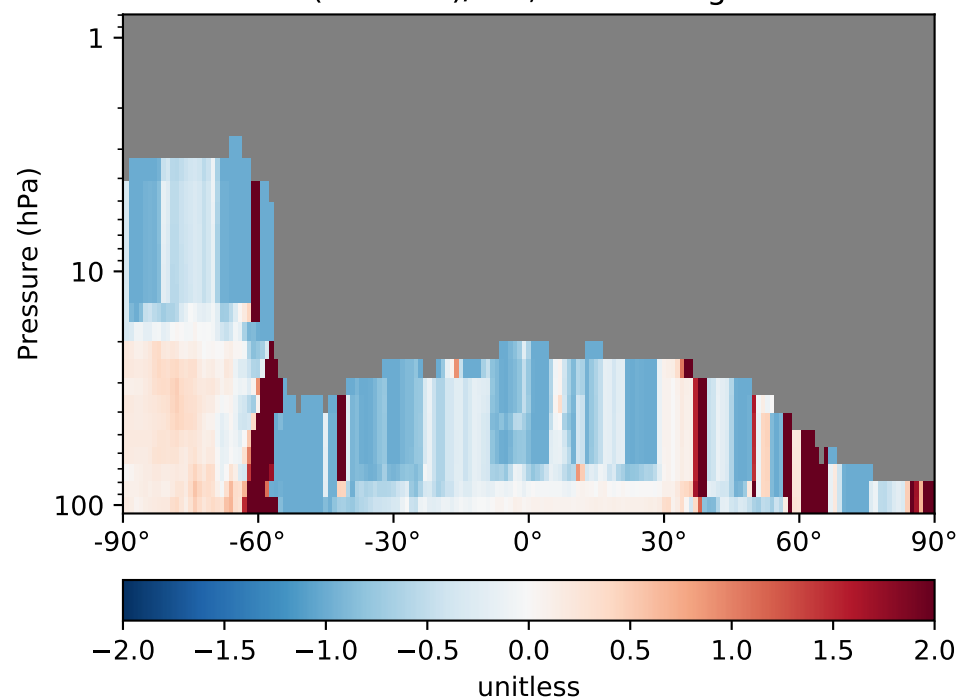
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

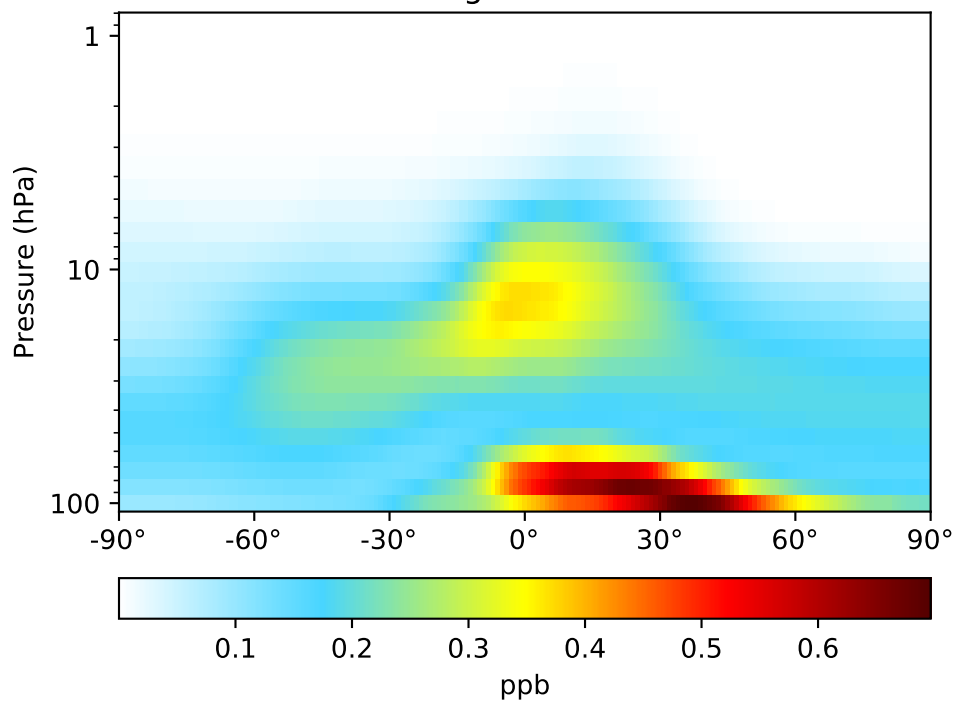


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

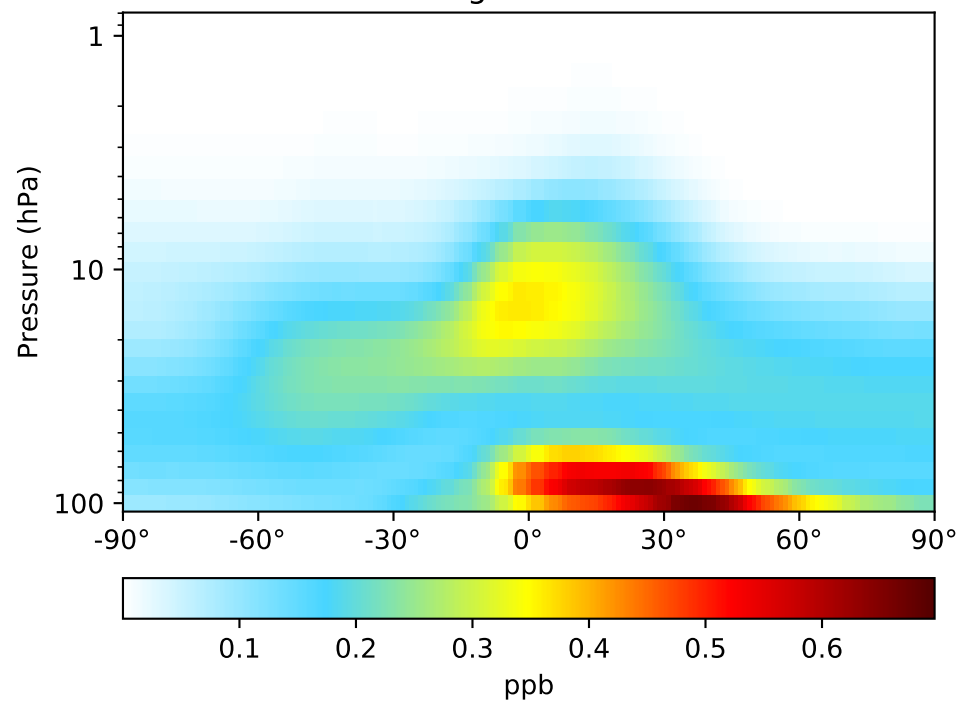


# SpeciesConc\_SO4, Zonal Mean

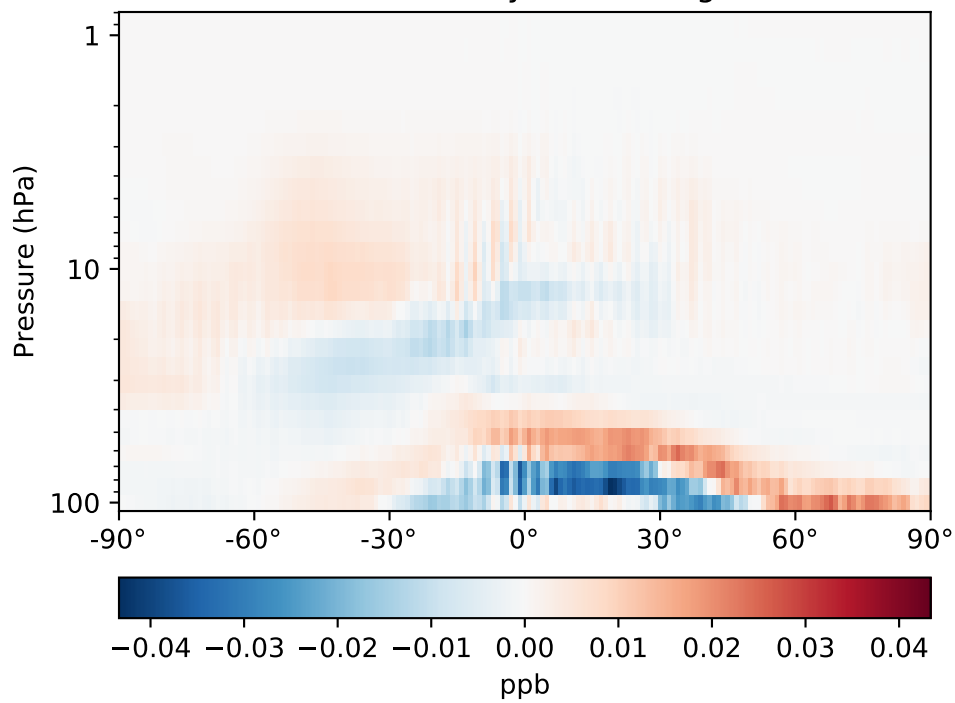
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



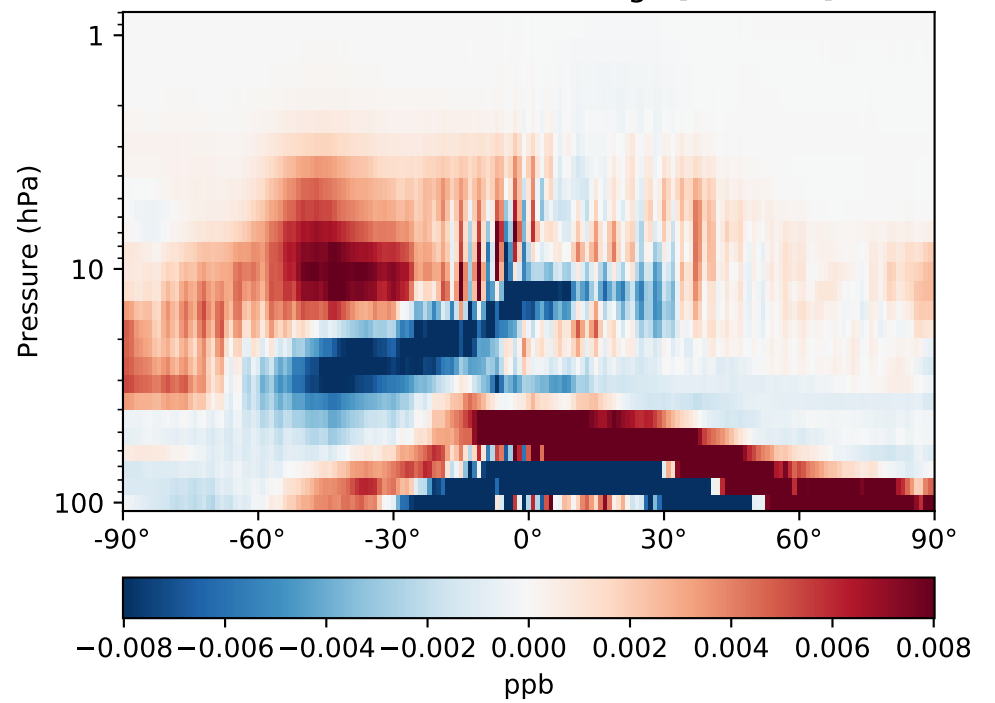
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



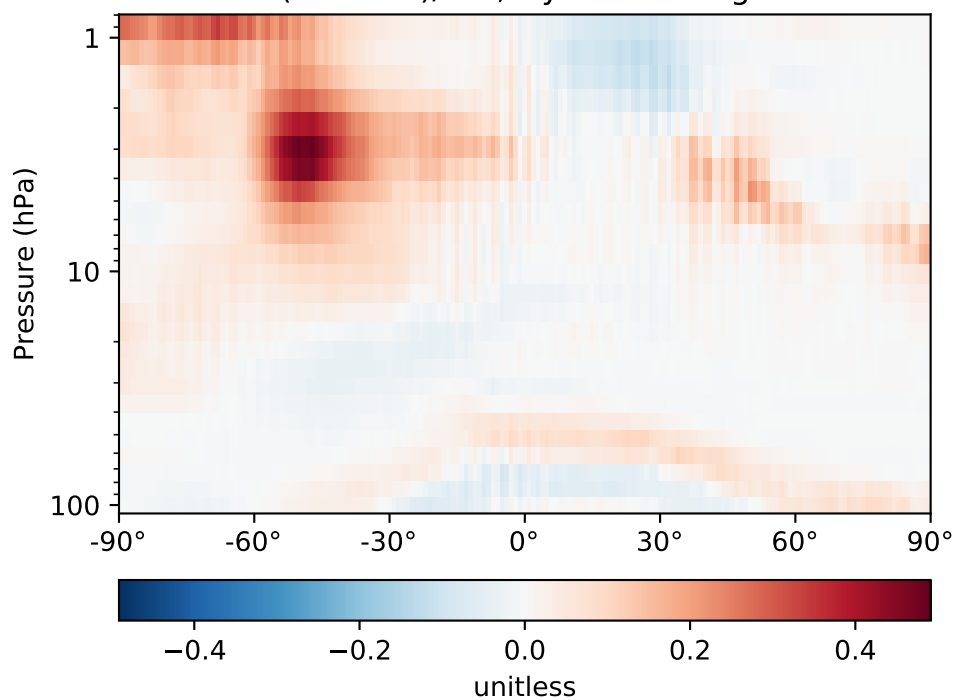
Difference (1x1.25)  
Dev - Ref, Dynamic Range



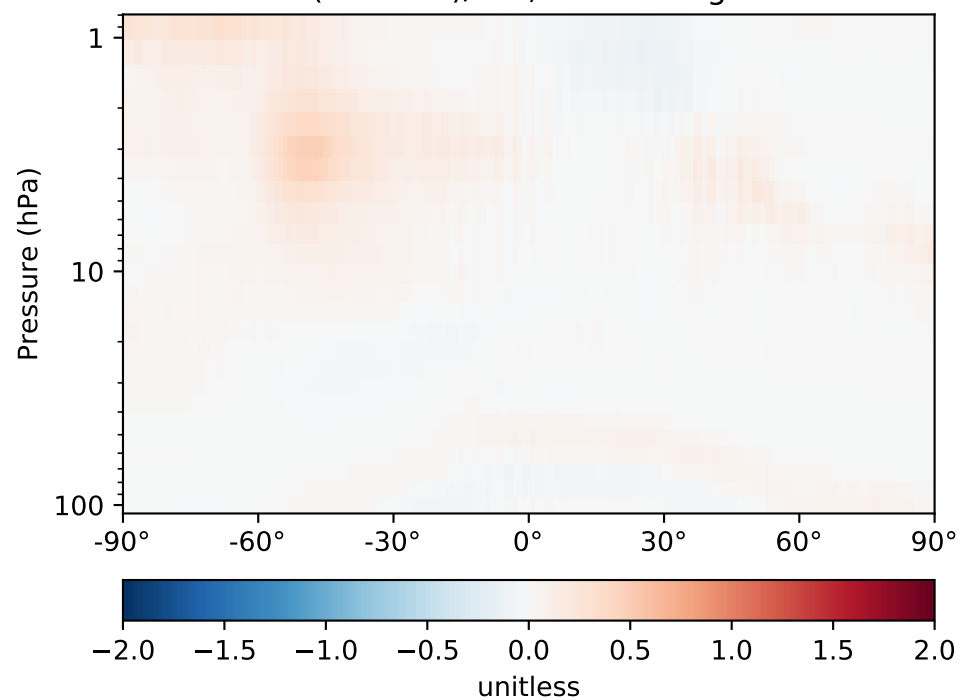
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

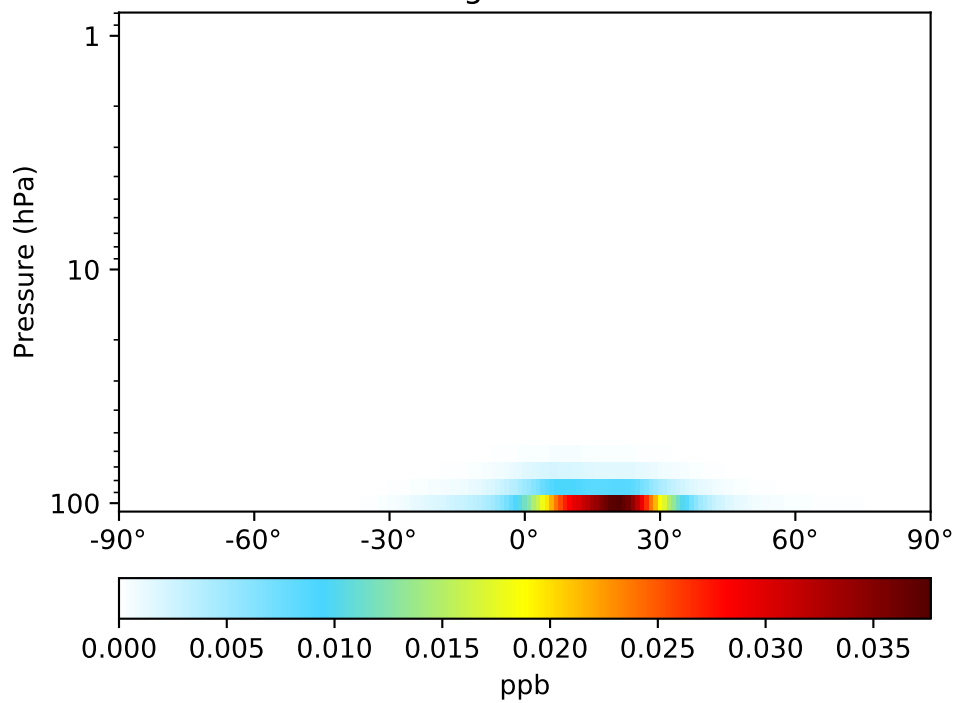


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

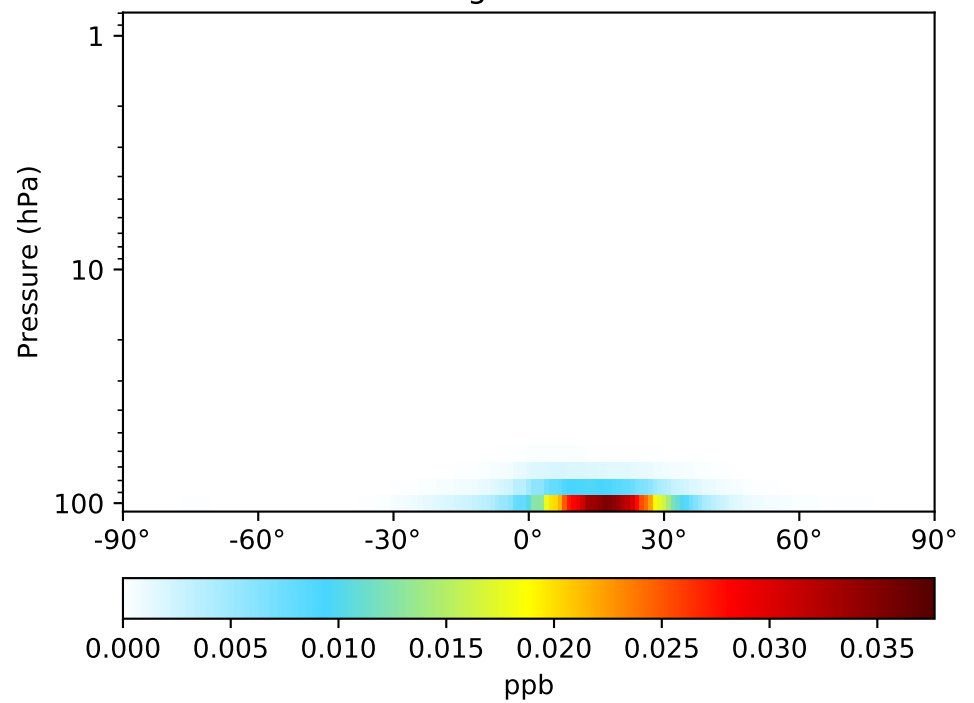


# SpeciesConc\_DST1, Zonal Mean

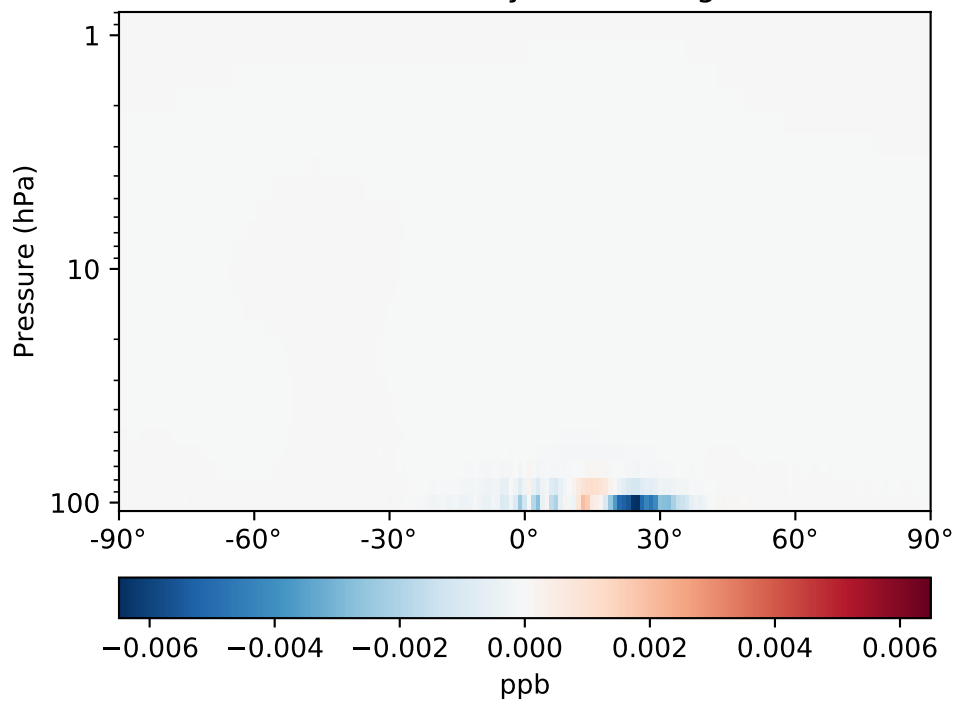
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



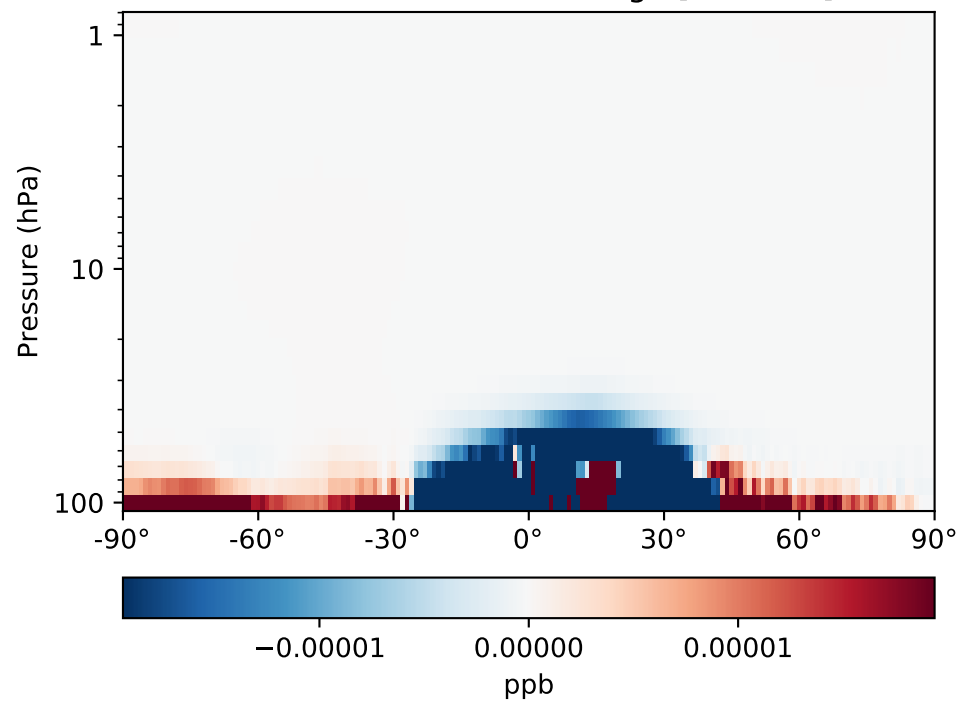
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



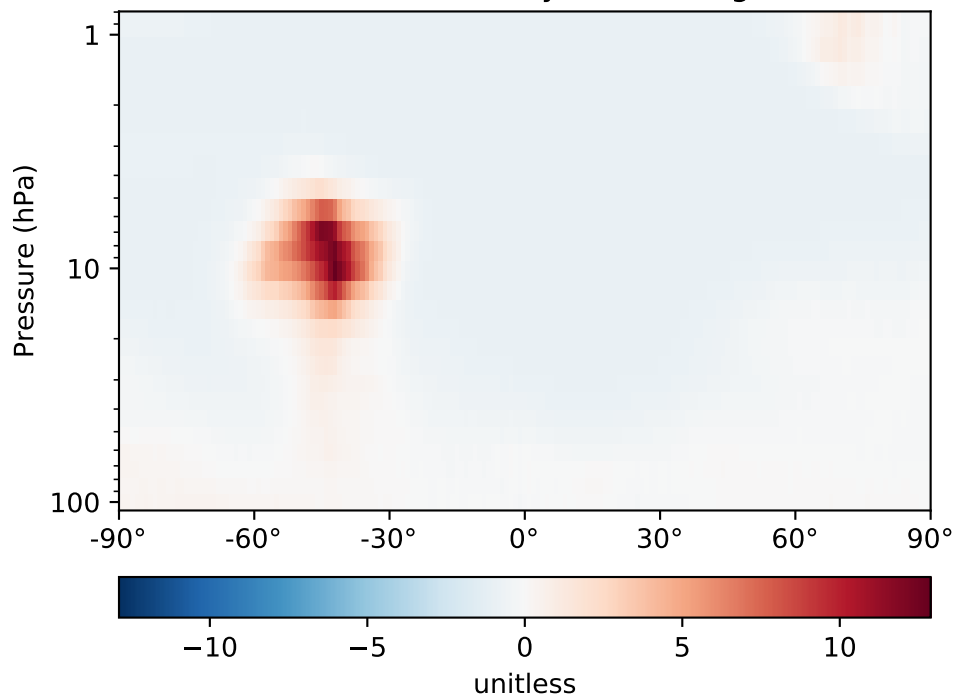
Difference (1x1.25)  
Dev - Ref, Dynamic Range



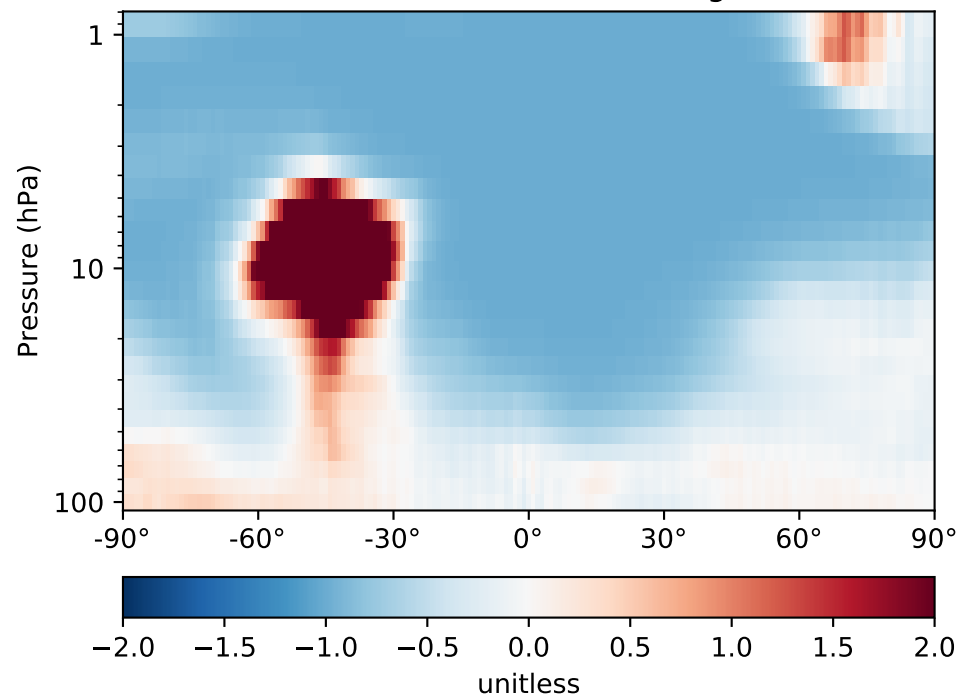
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



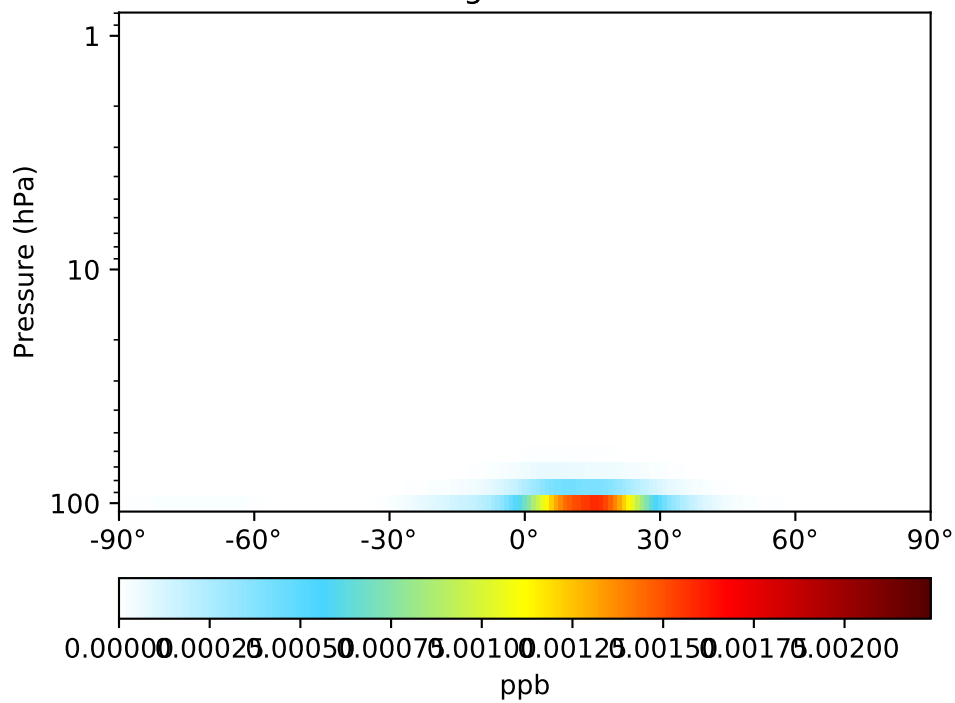
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



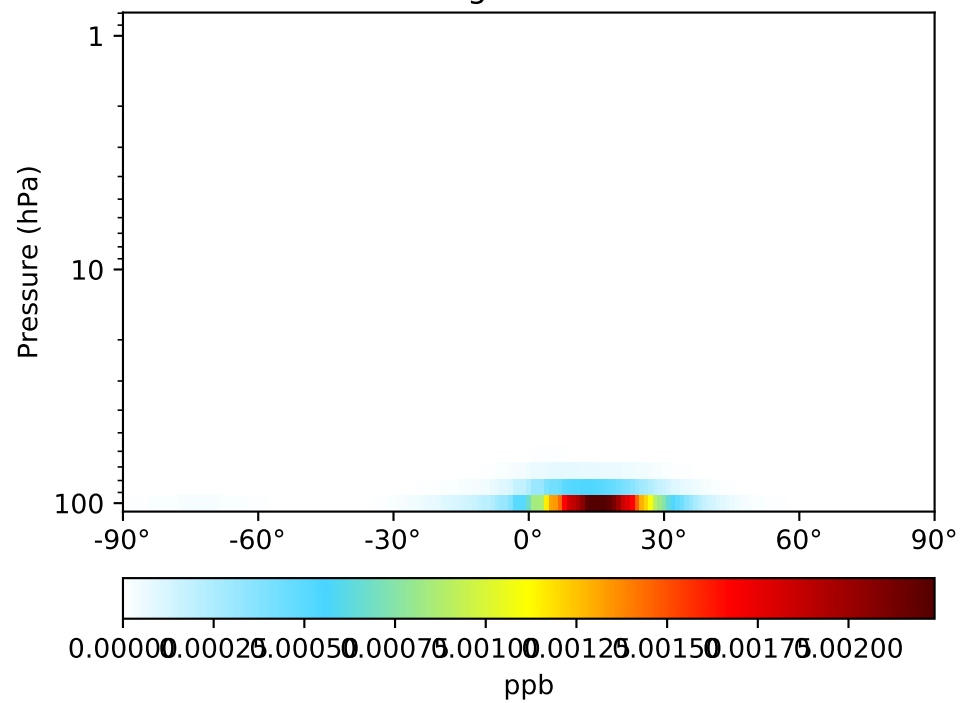


# SpeciesConc\_DST2, Zonal Mean

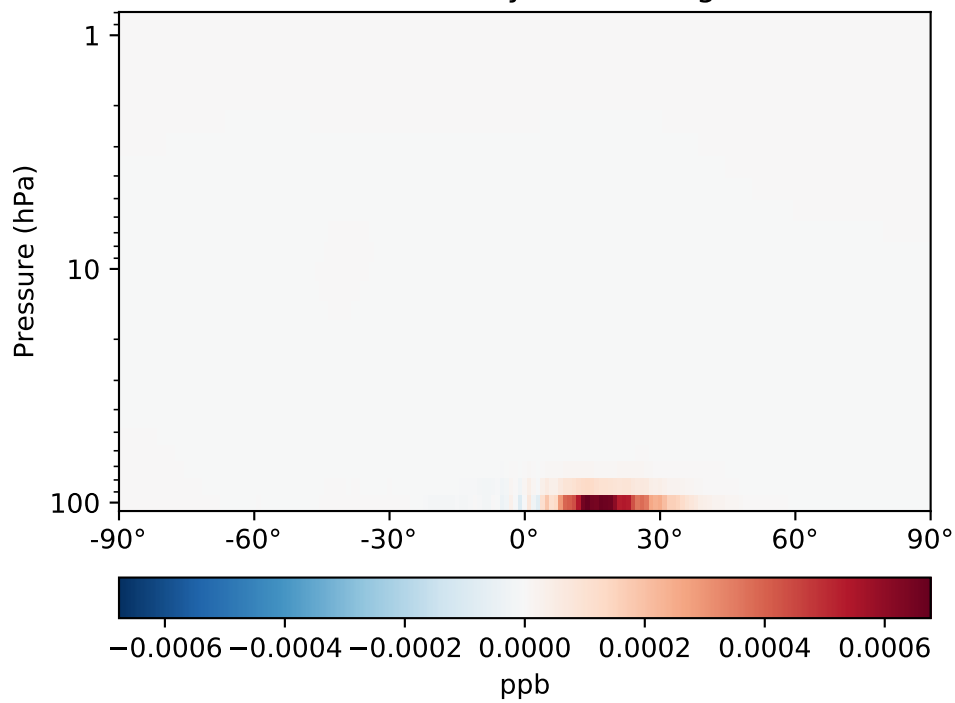
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



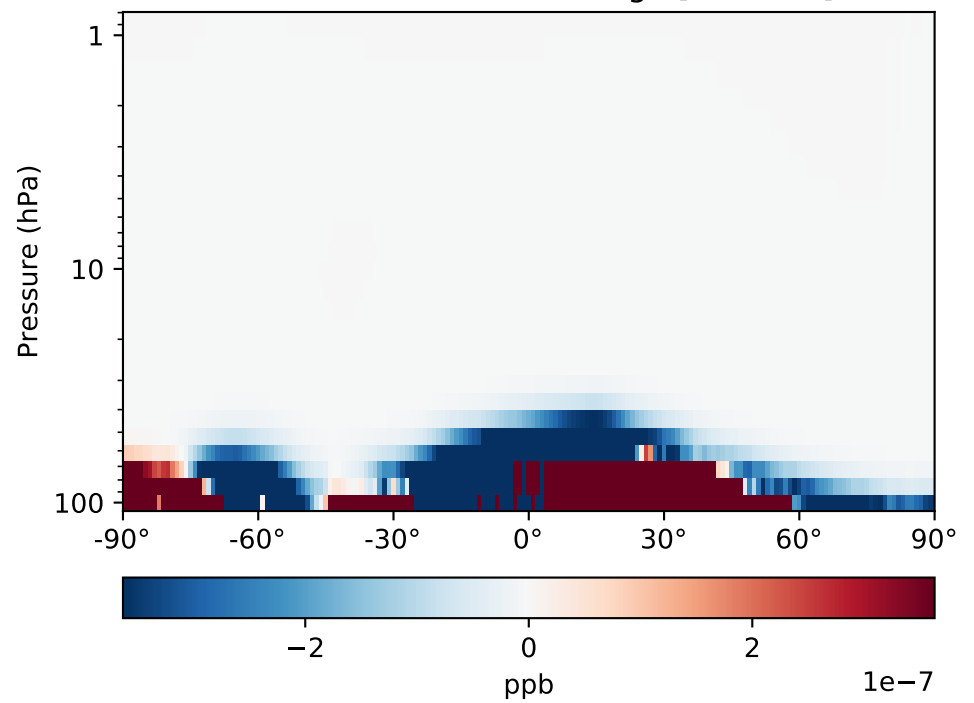
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



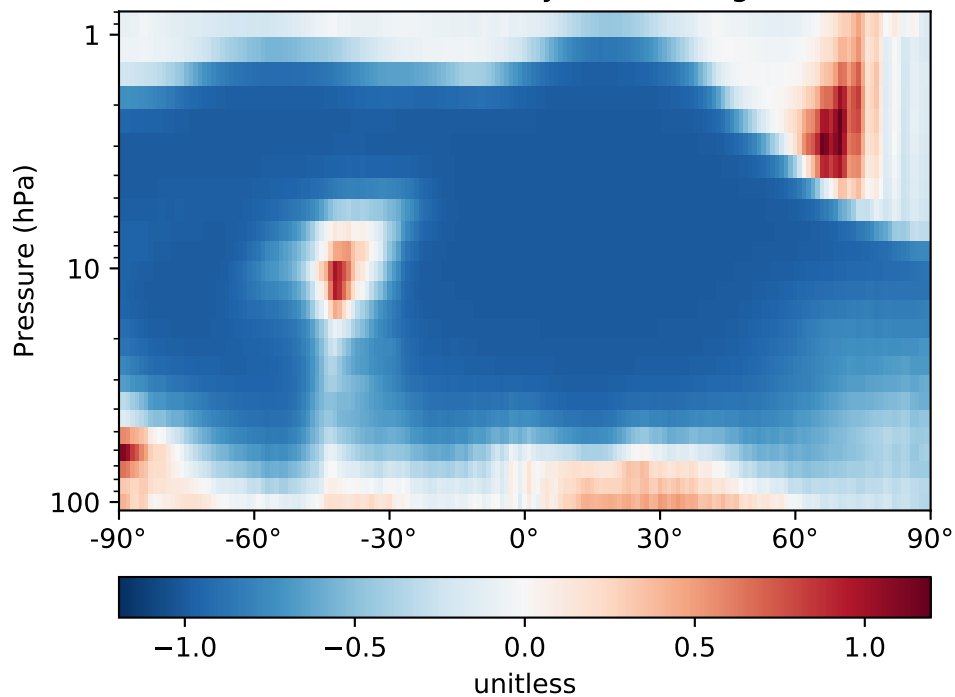
Difference (1x1.25)  
Dev - Ref, Dynamic Range



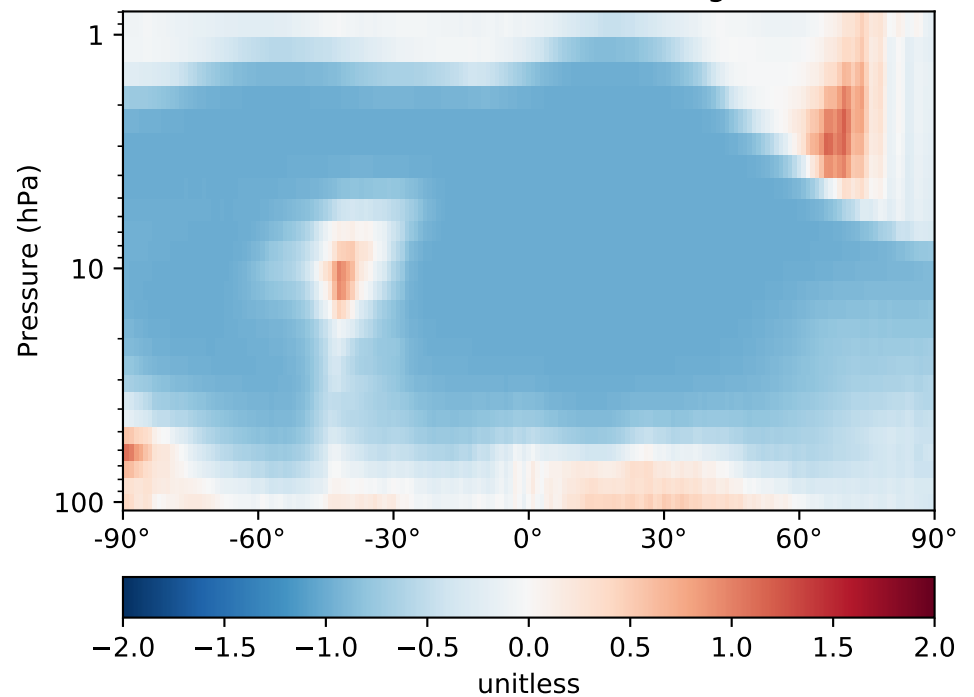
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



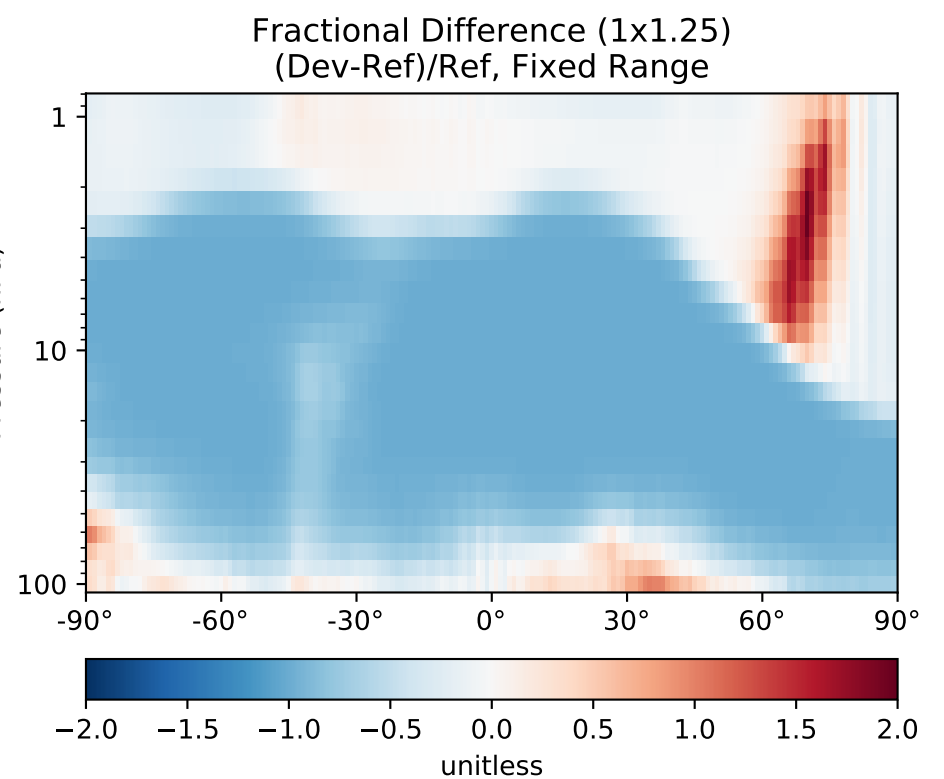
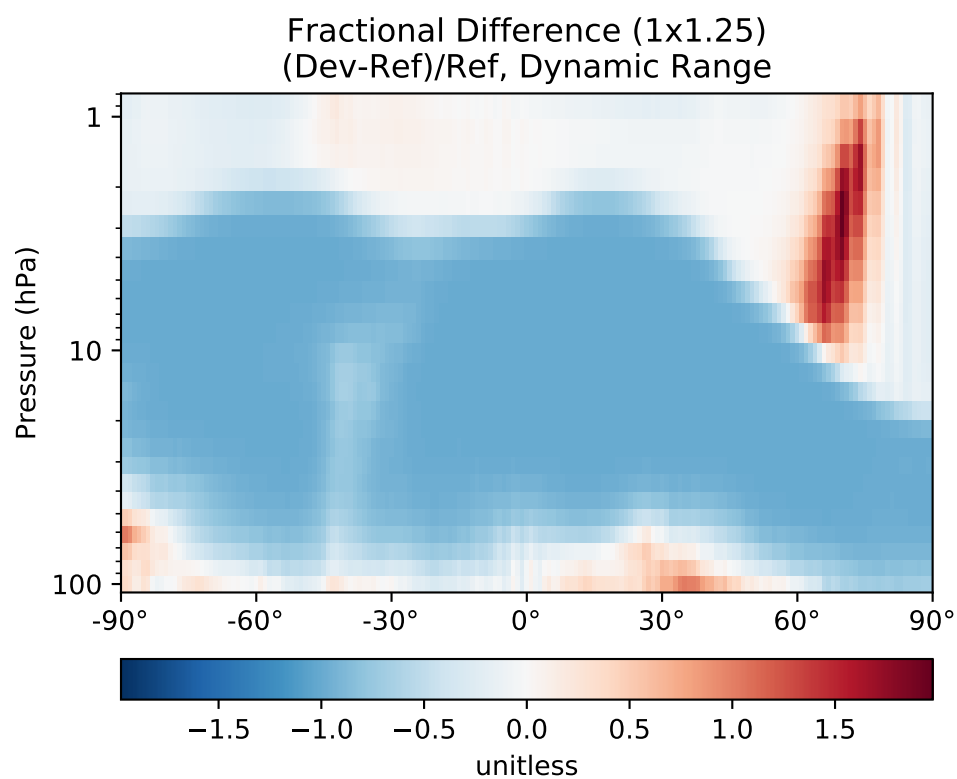
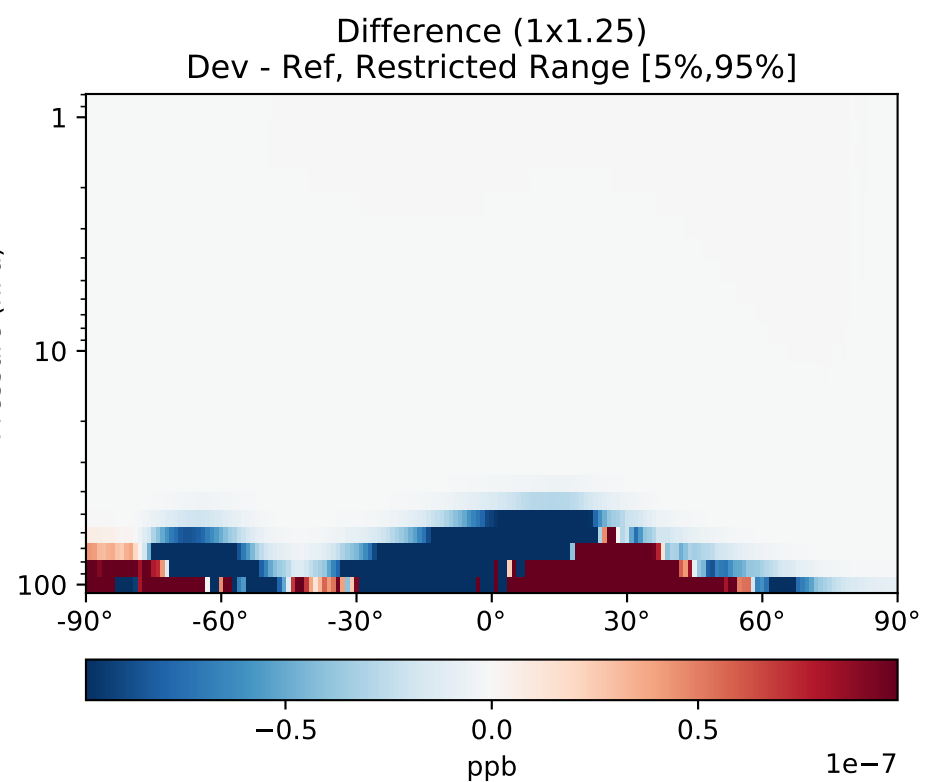
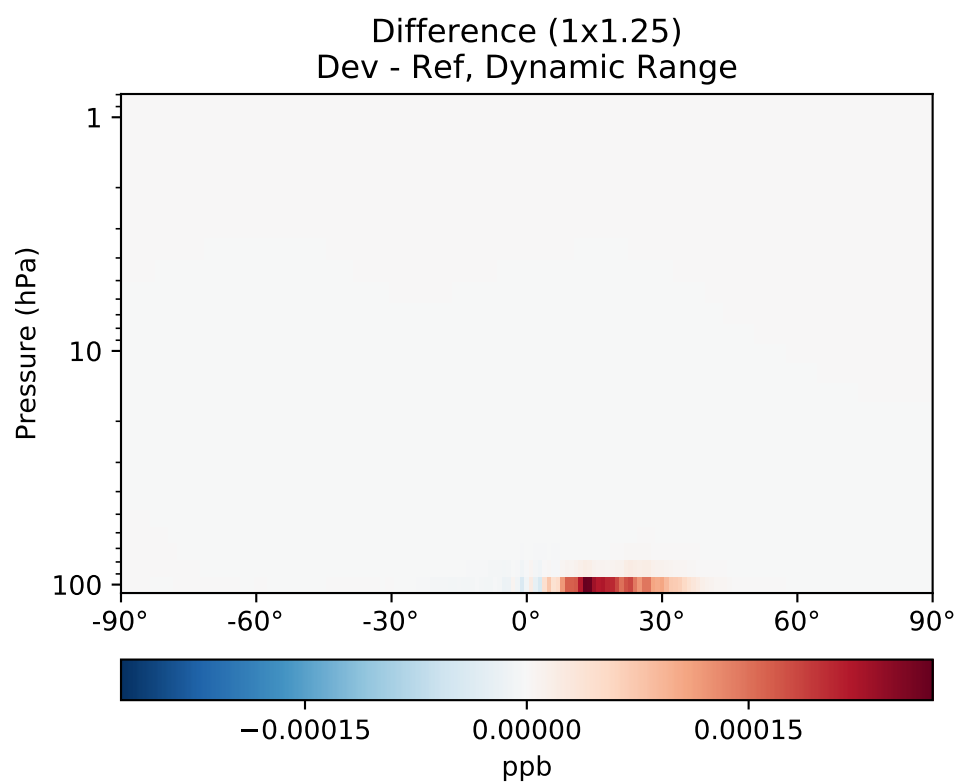
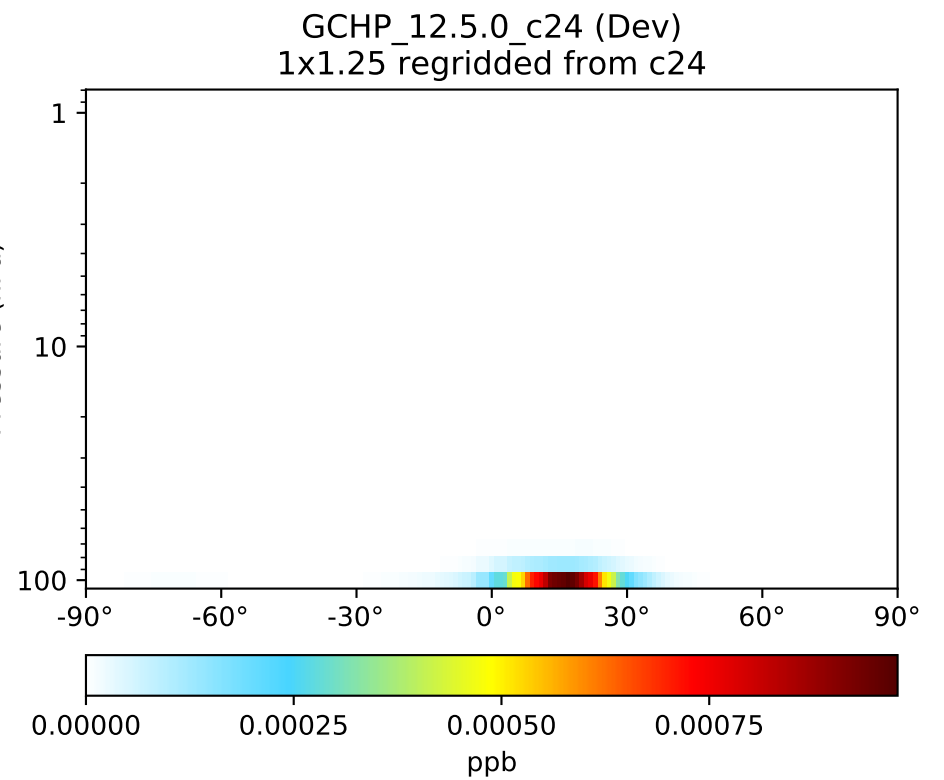
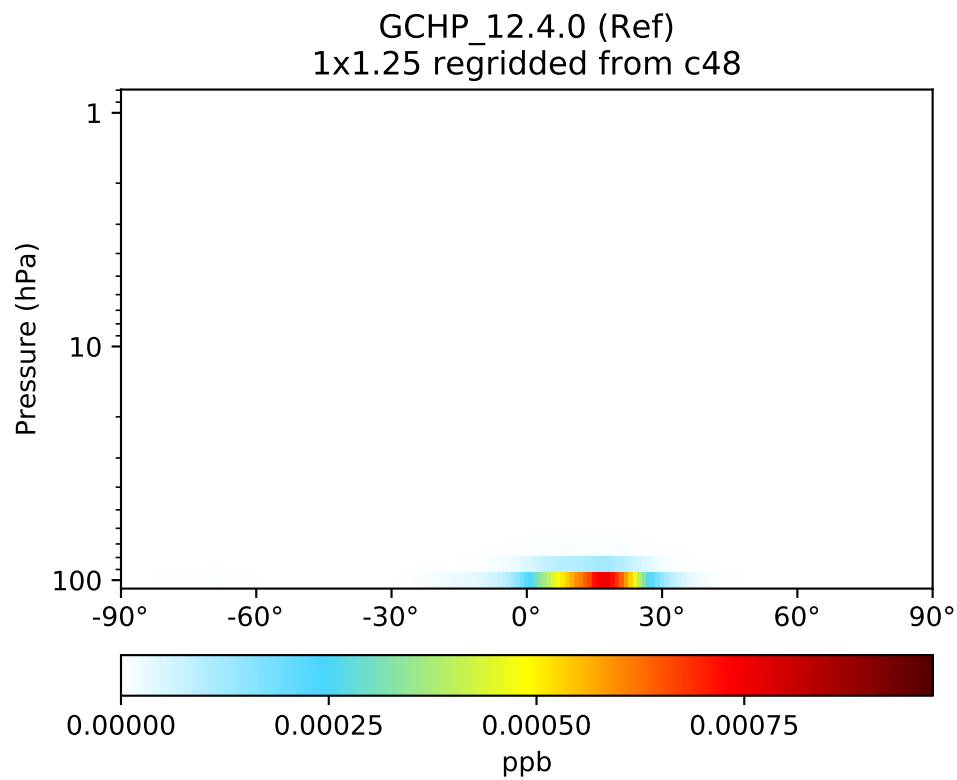
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



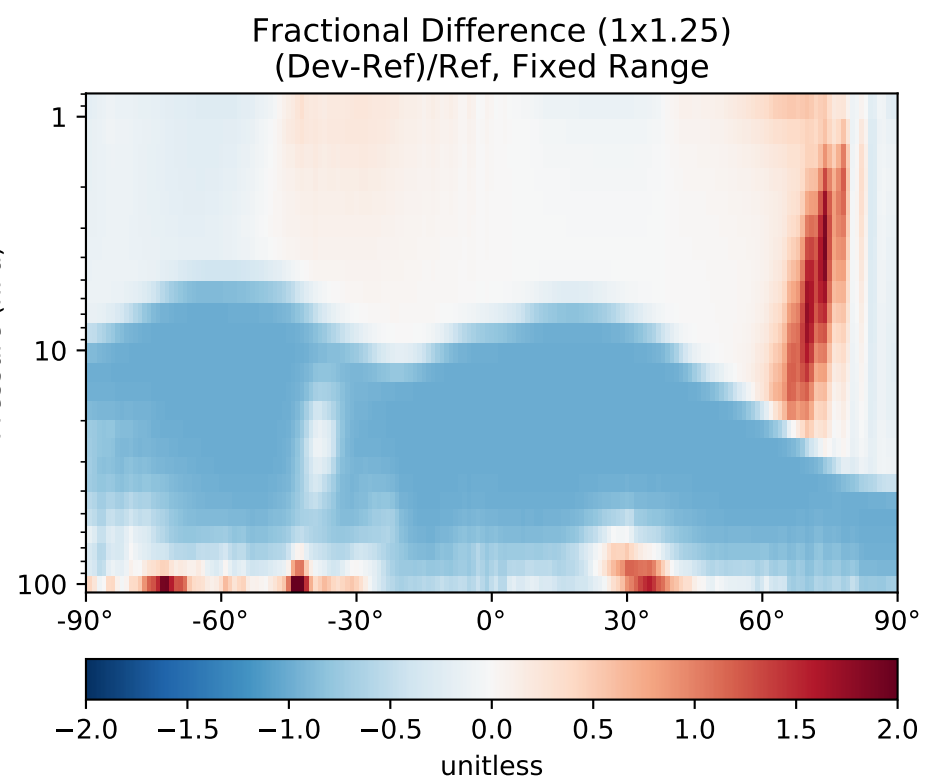
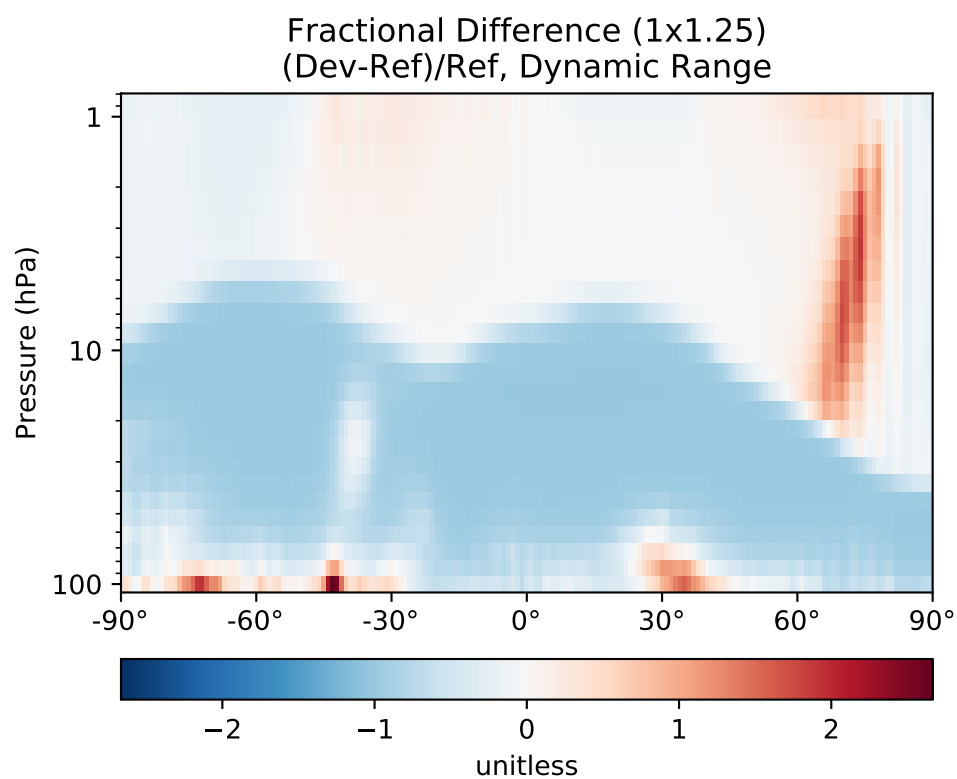
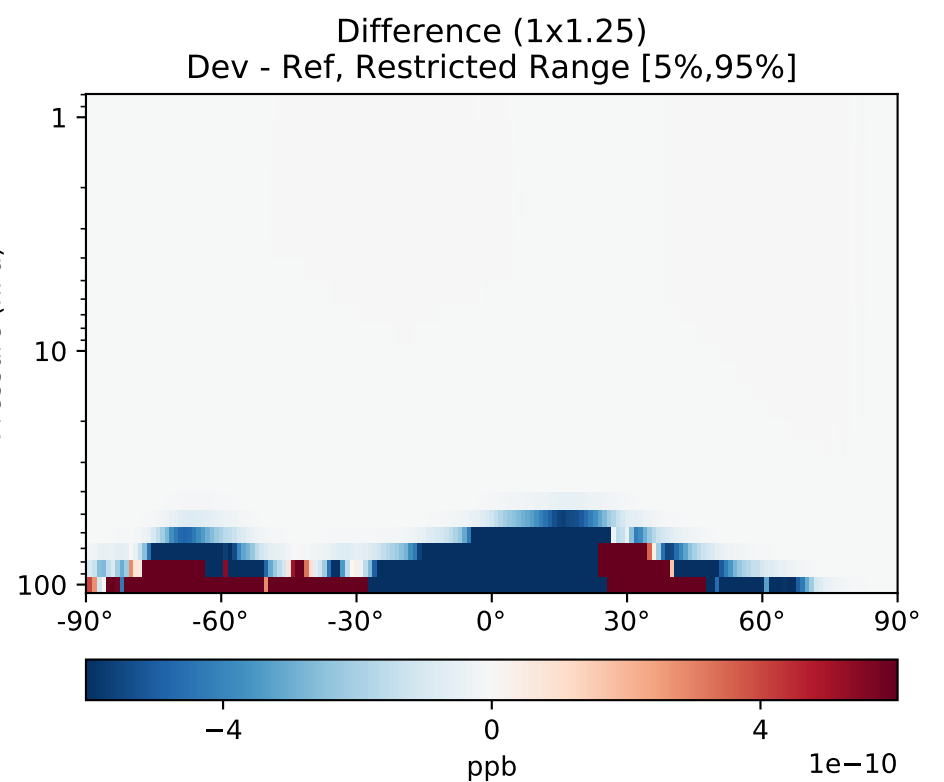
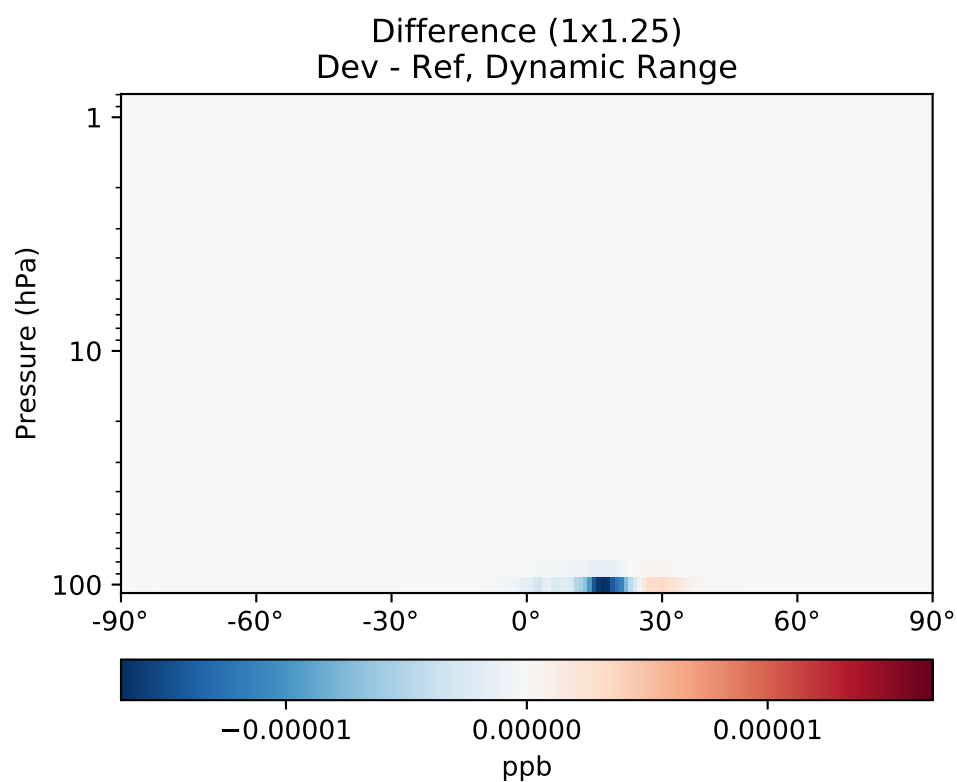
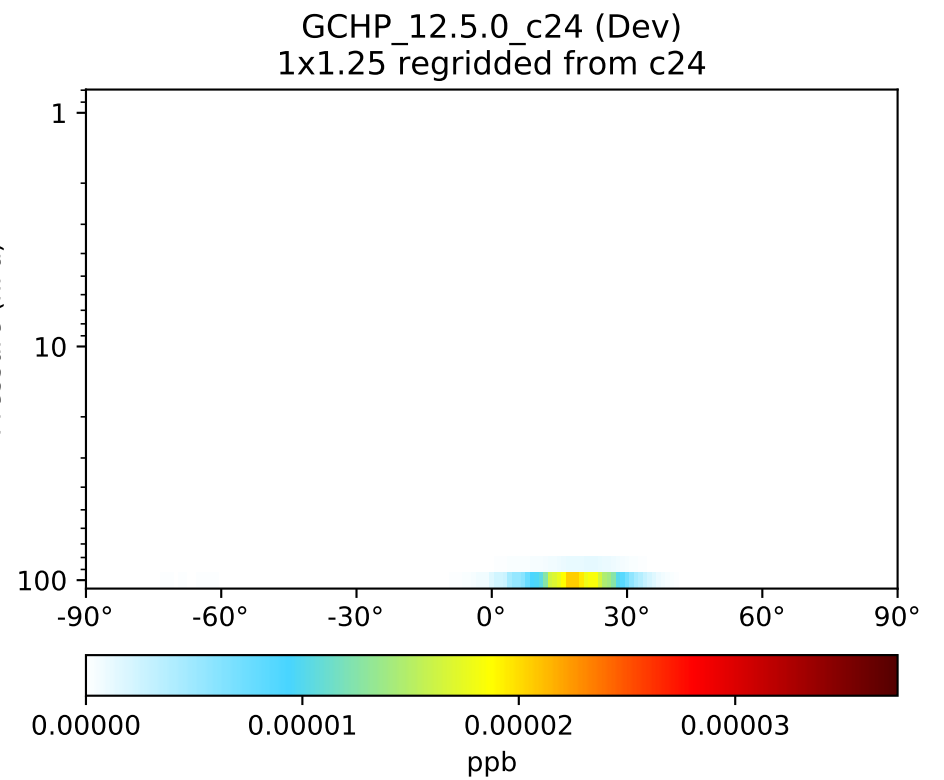
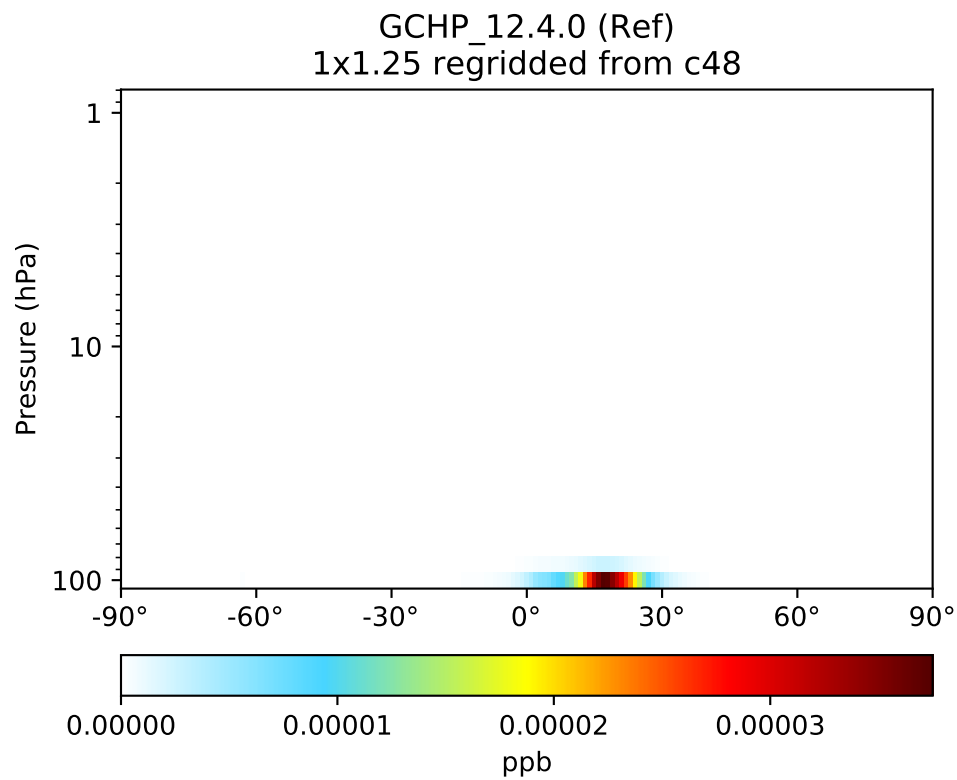
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



# SpeciesConc\_DST3, Zonal Mean

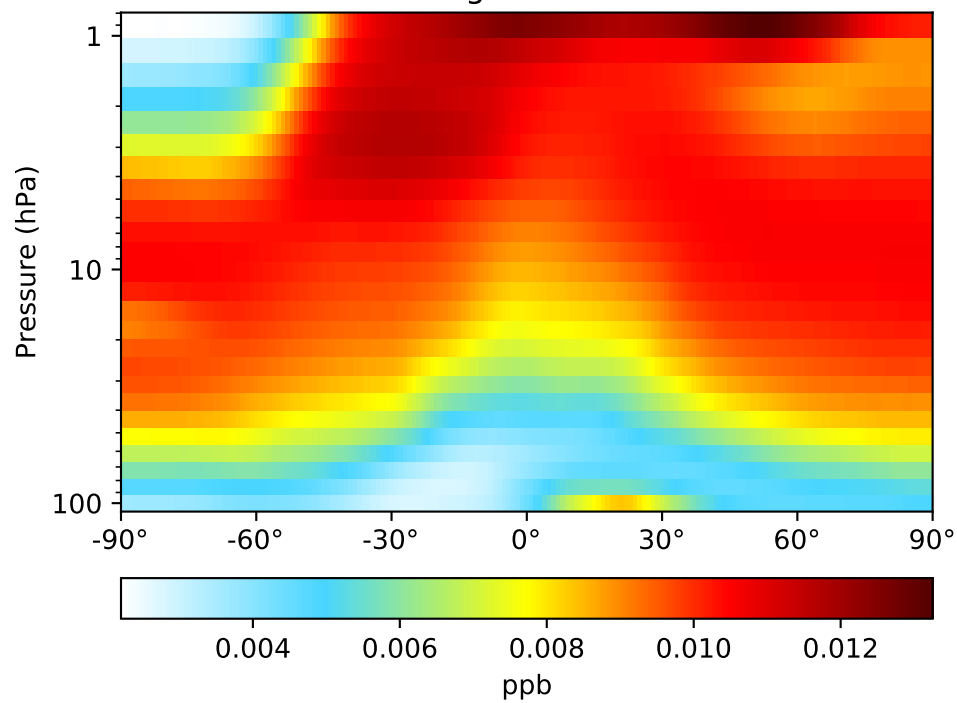


# SpeciesConc\_DST4, Zonal Mean

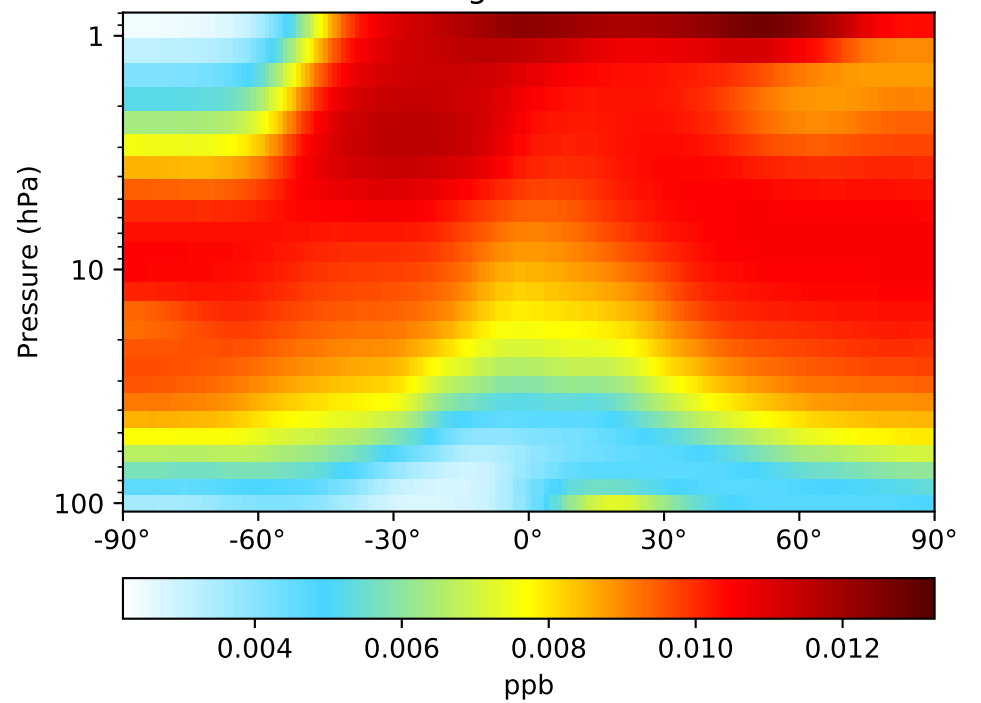


# SpeciesConc\_BCPI, Zonal Mean

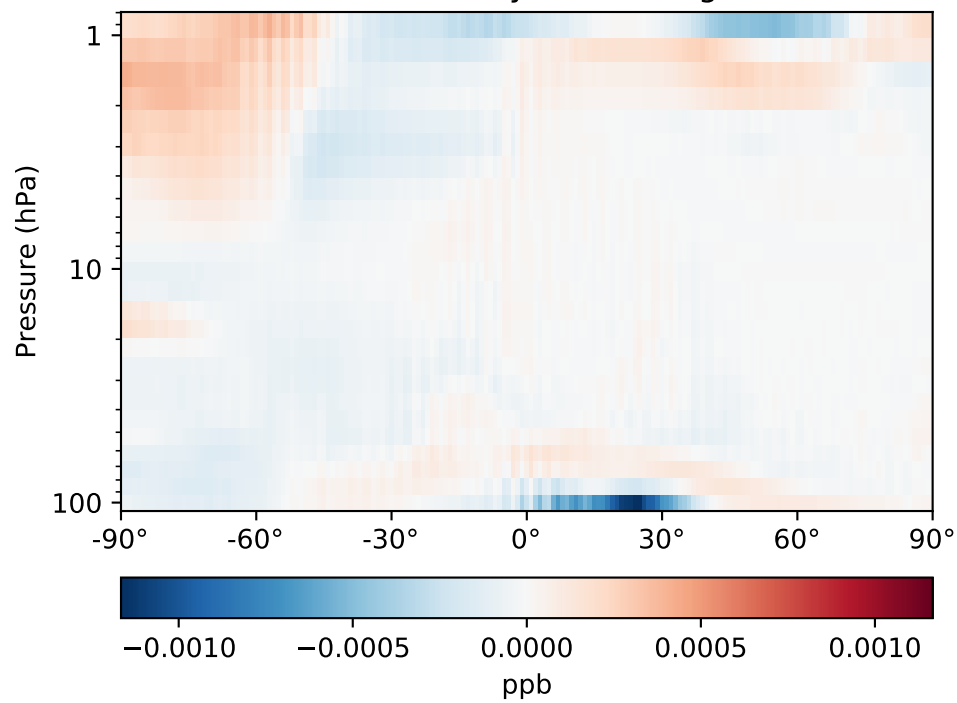
GCHP\_12.4.0 (Ref)  
1x1.25 regridded from c48



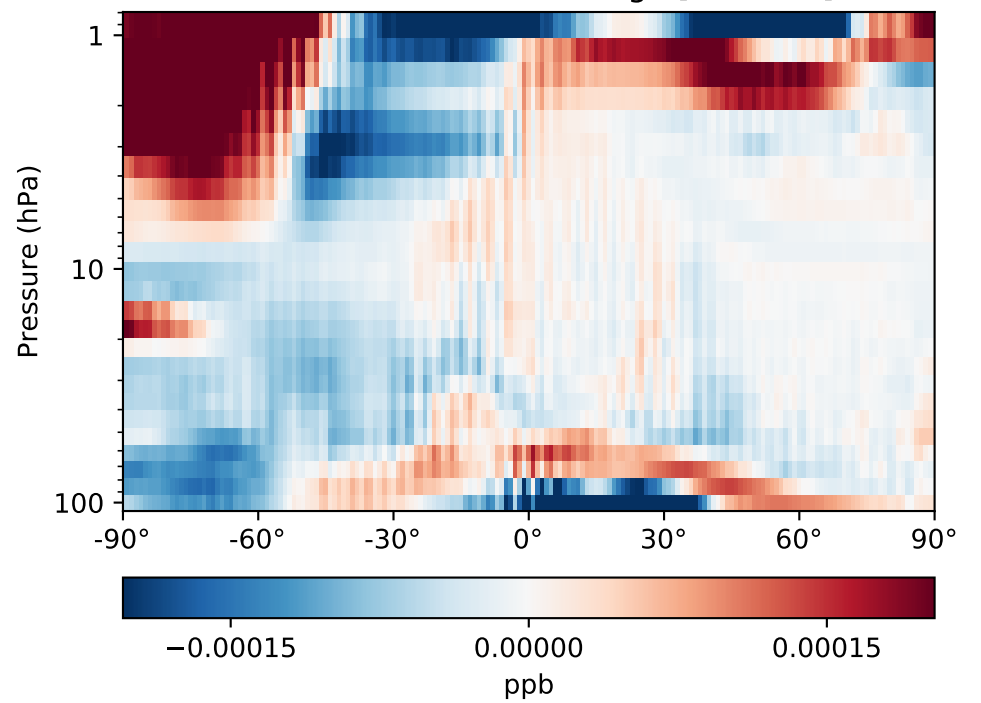
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regridded from c24



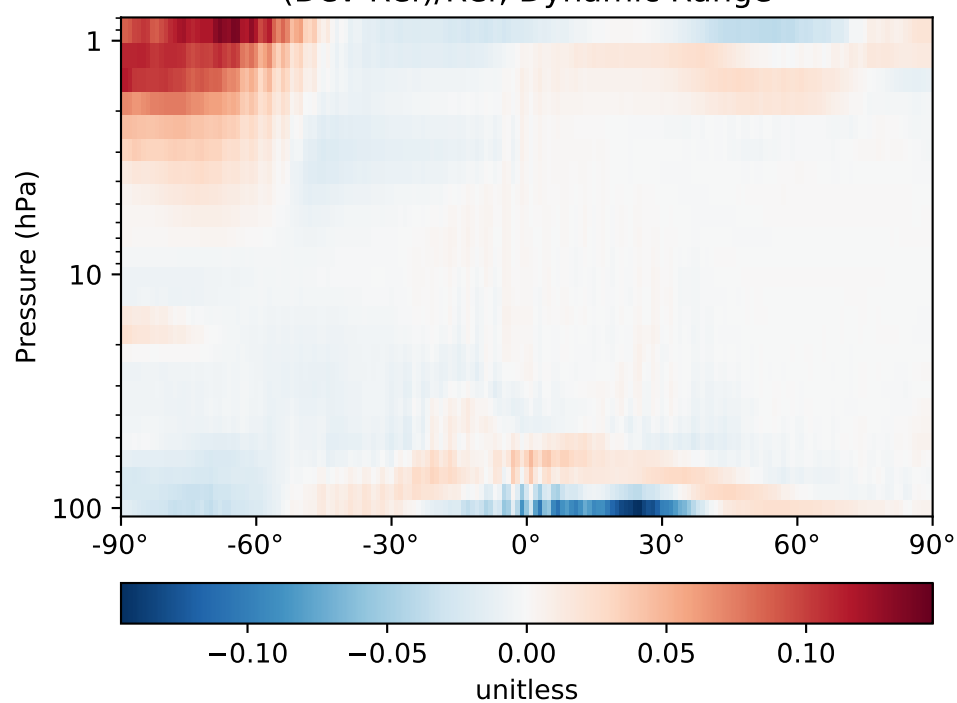
Difference (1x1.25)  
Dev - Ref, Dynamic Range



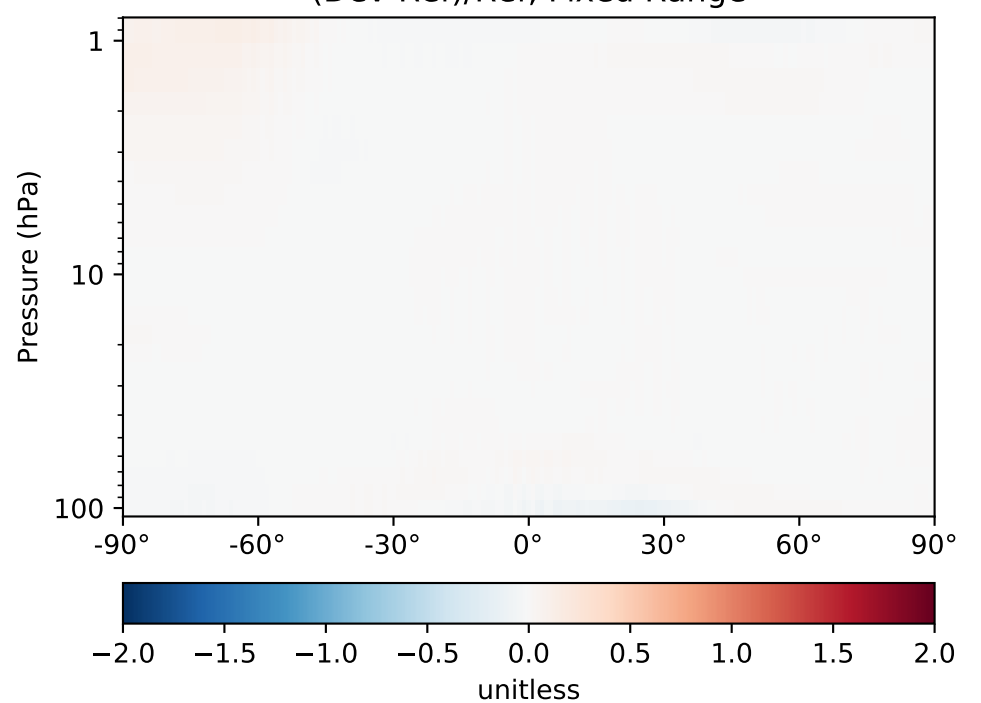
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



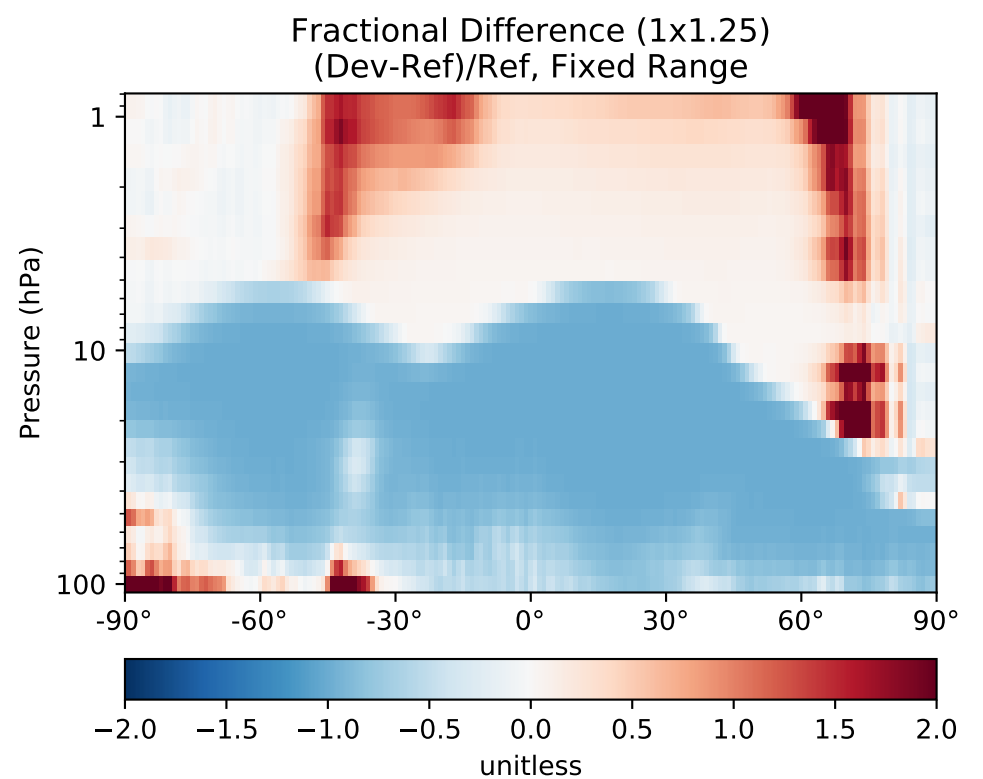
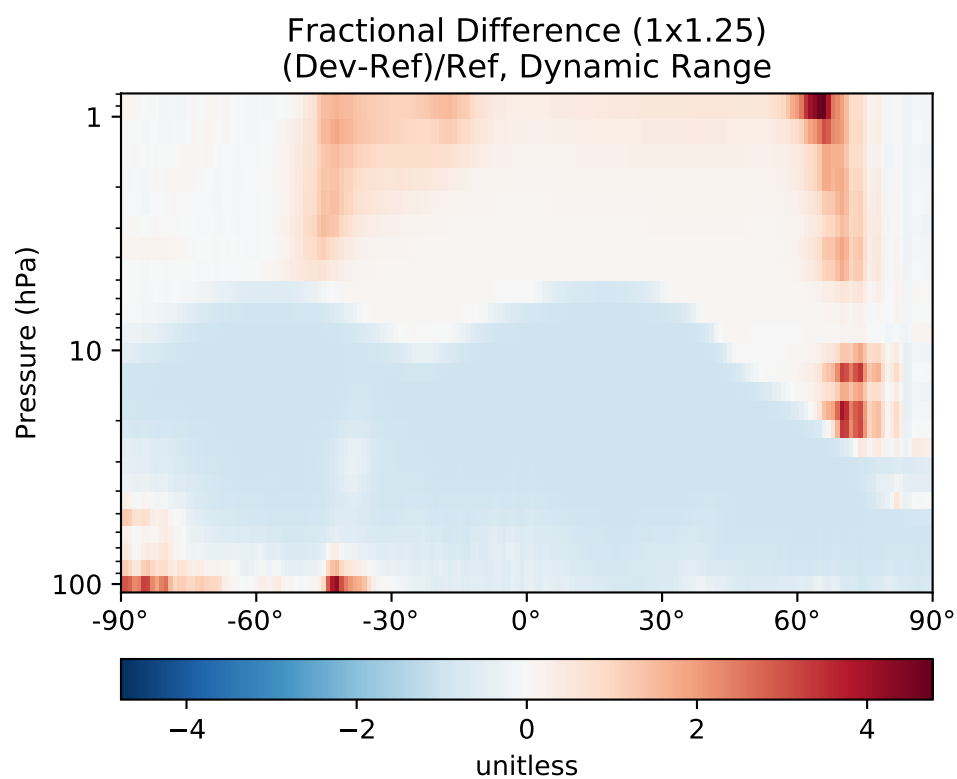
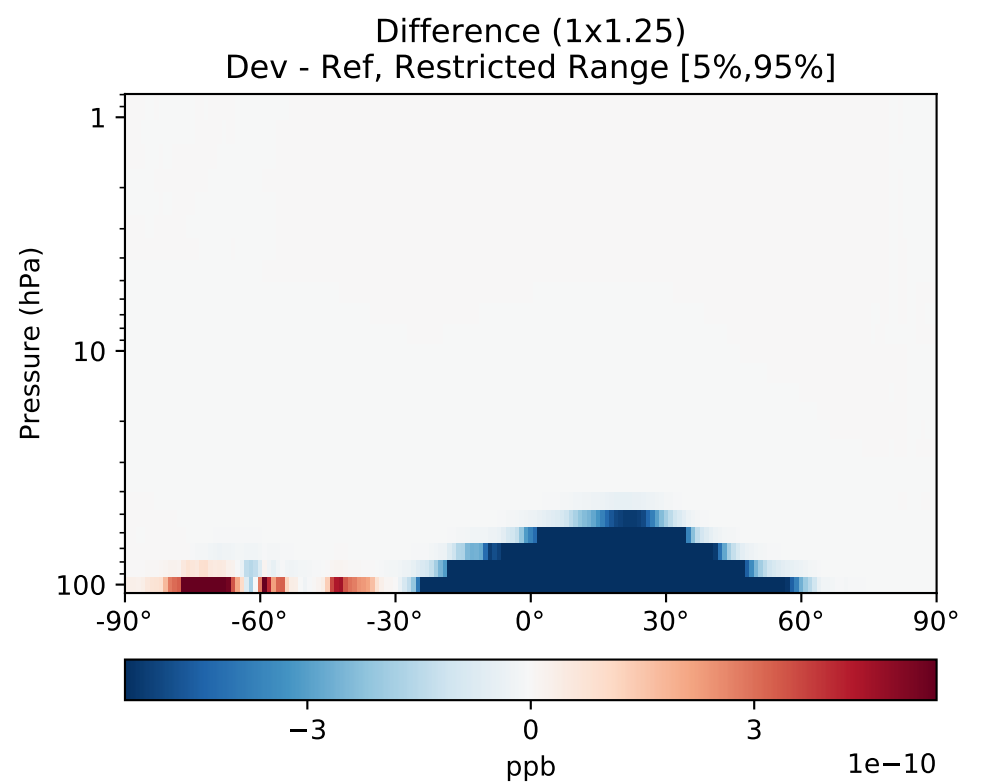
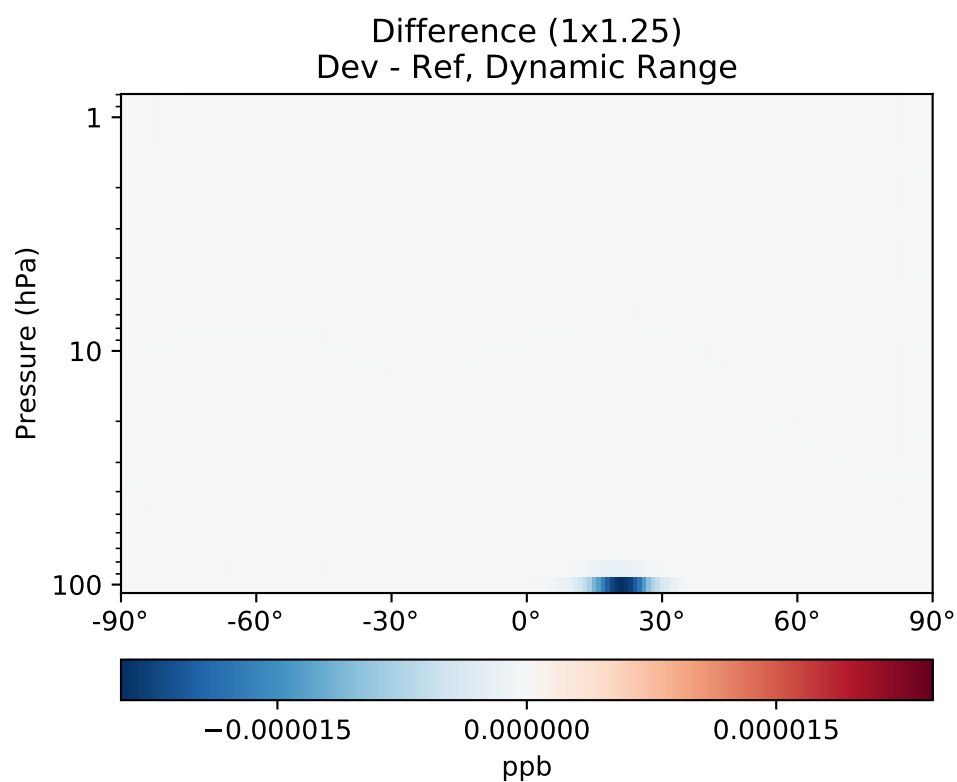
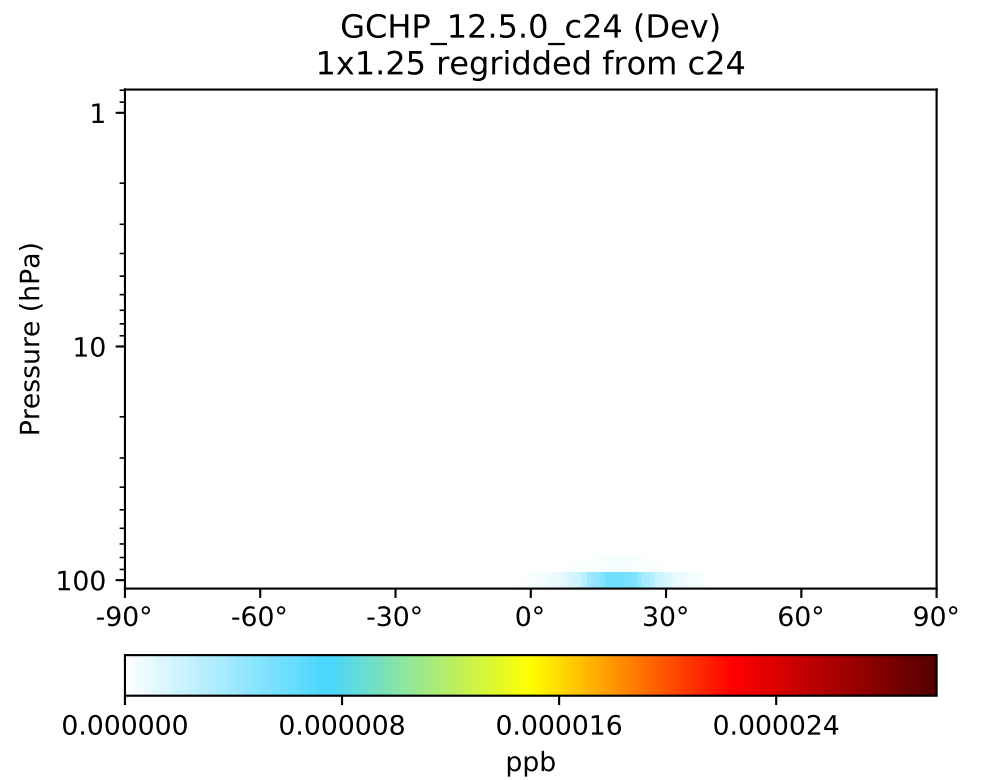
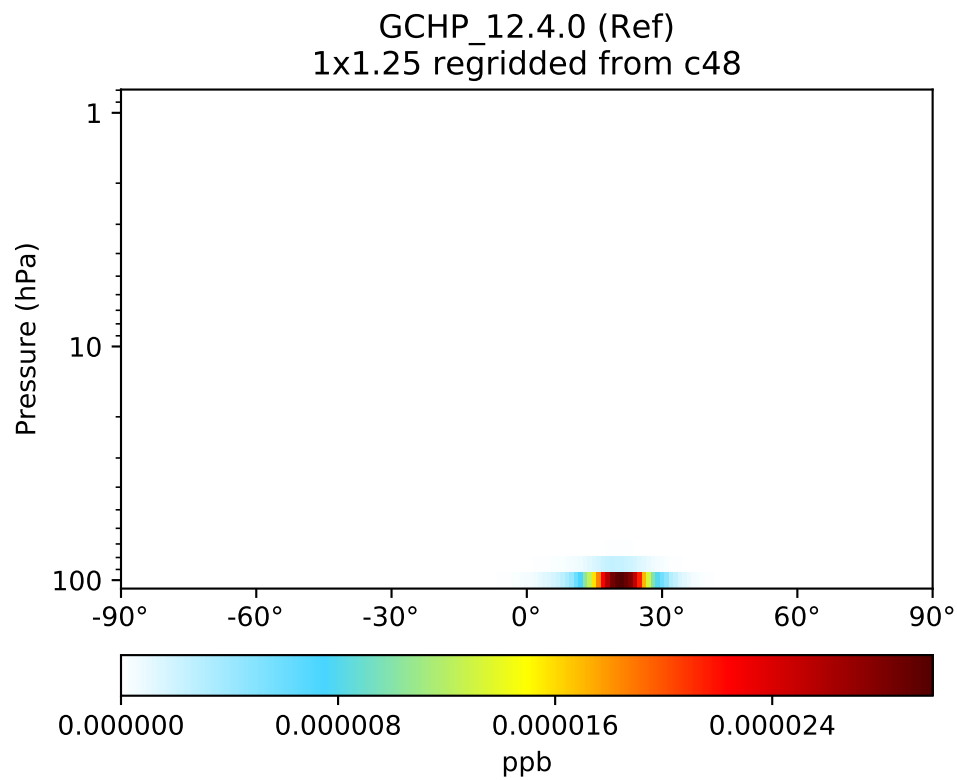
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

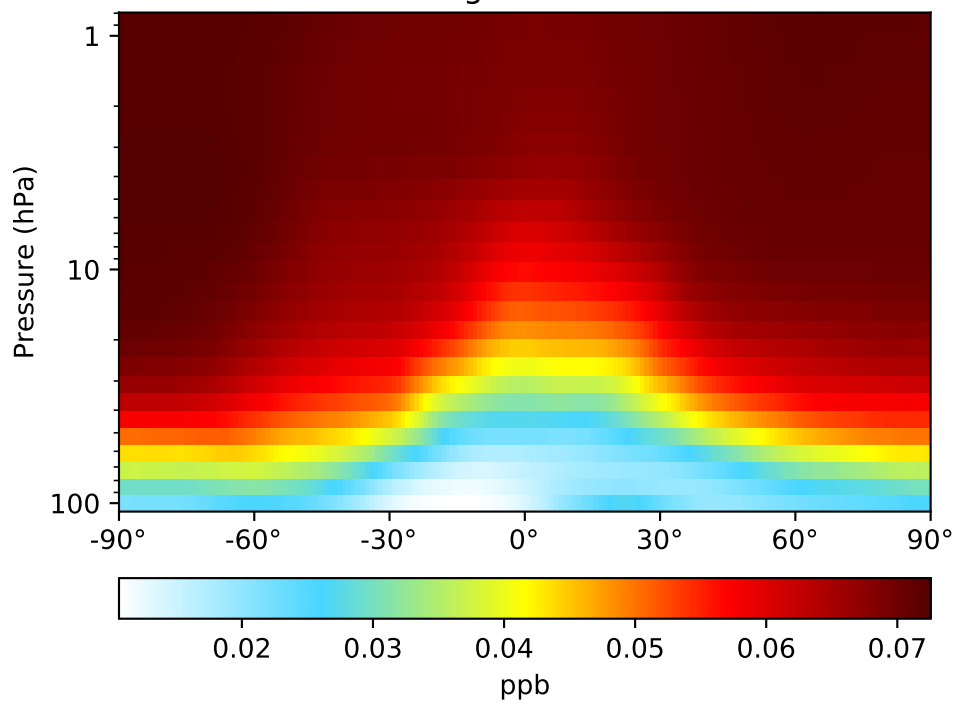


# SpeciesConc\_BCPO, Zonal Mean

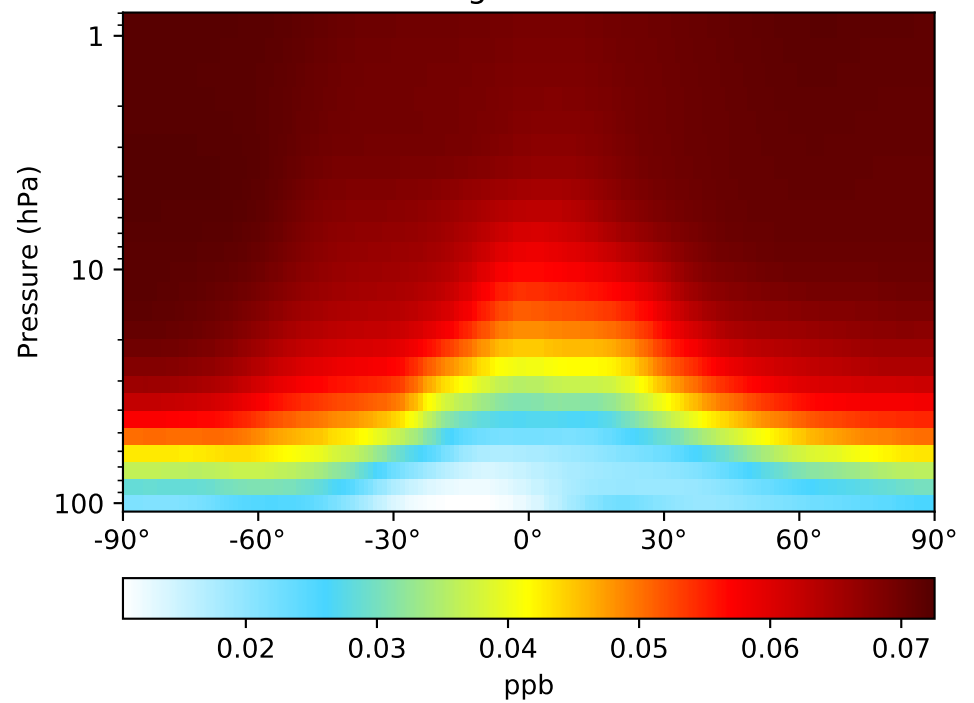


# SpeciesConc\_OCPI, Zonal Mean

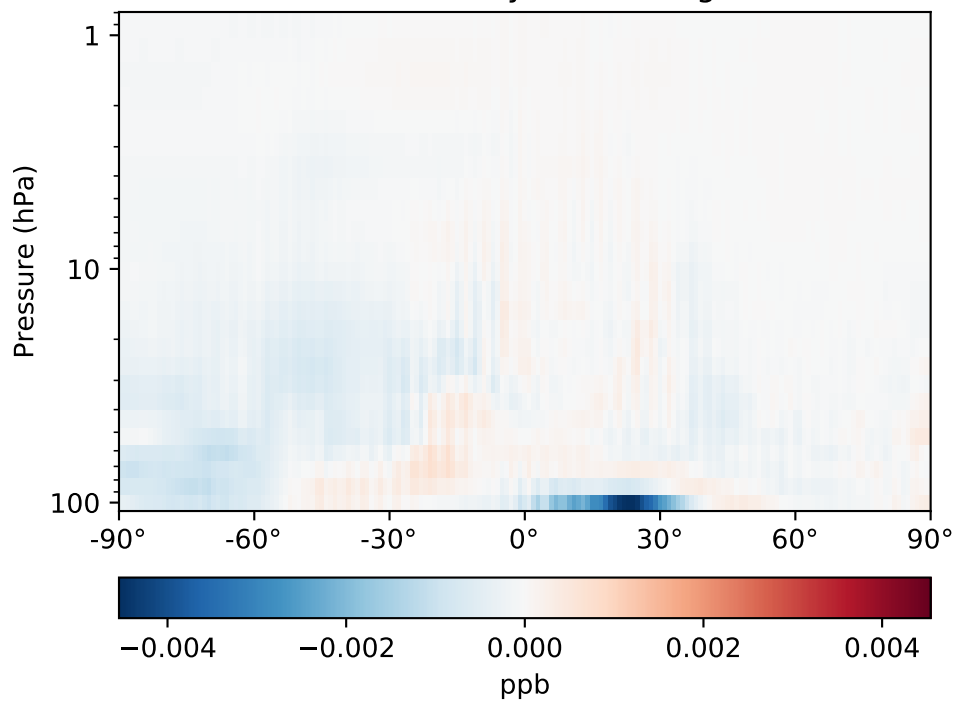
GCHP\_12.4.0 (Ref)  
1x1.25 regridded from c48



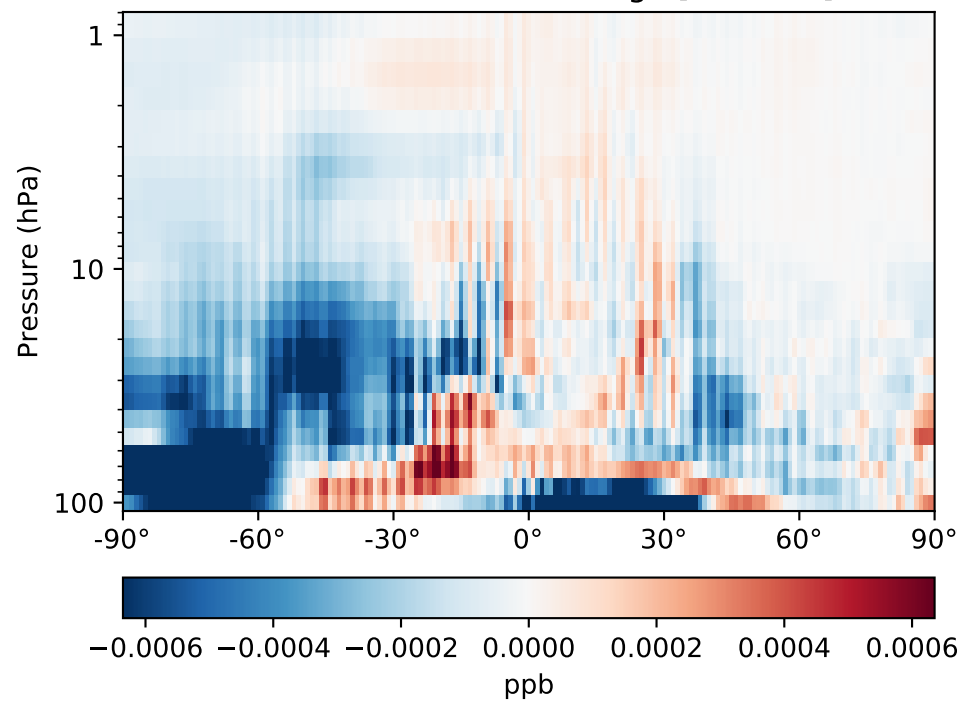
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regridded from c24



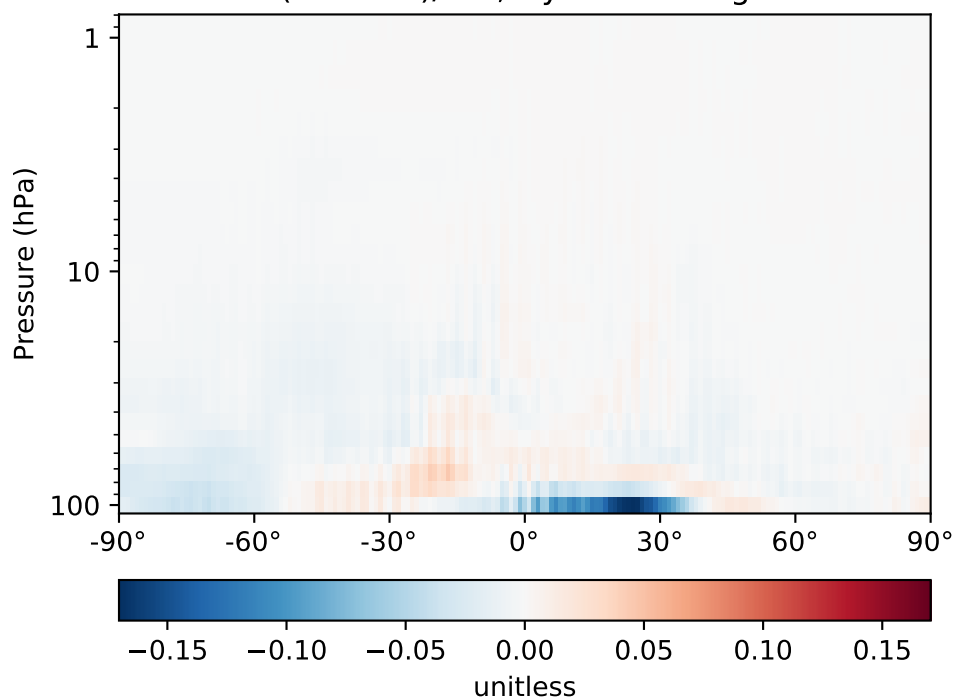
Difference (1x1.25)  
Dev - Ref, Dynamic Range



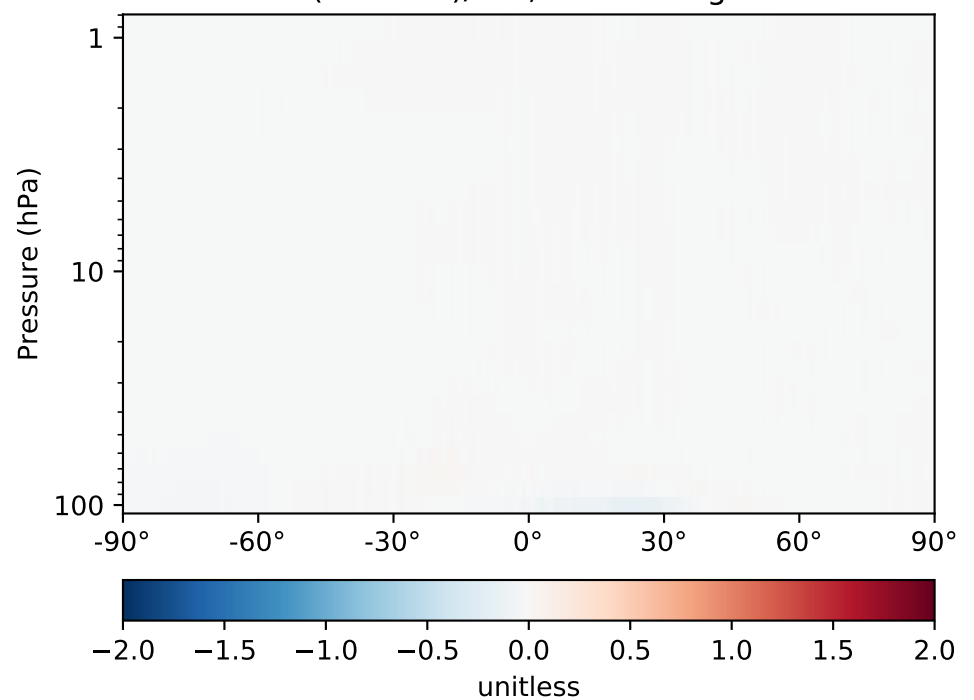
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



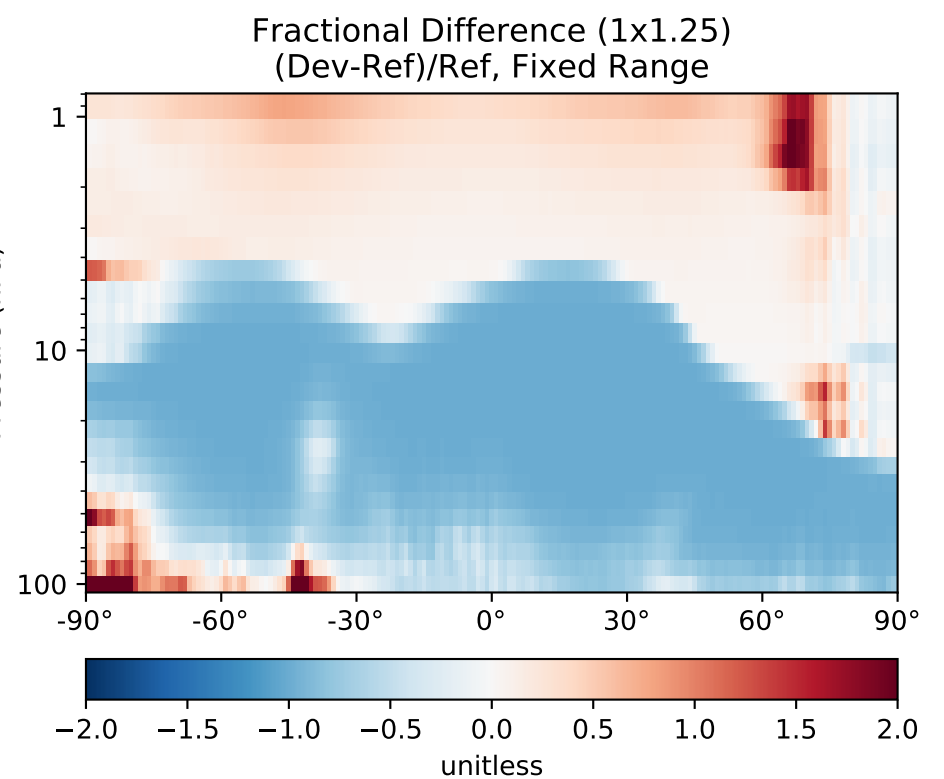
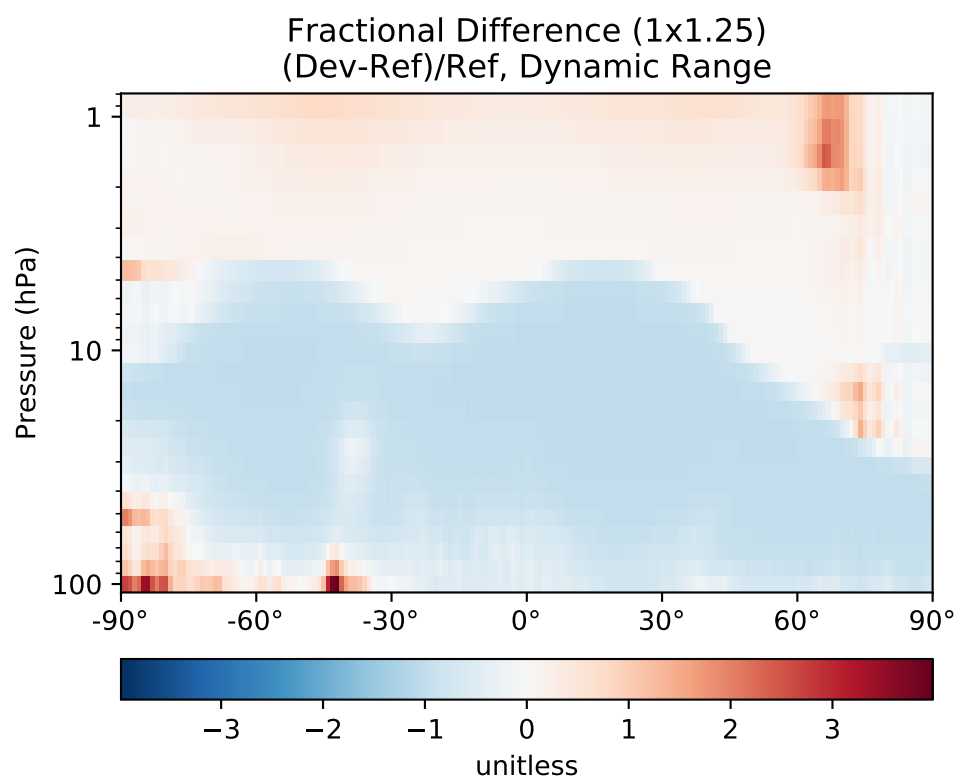
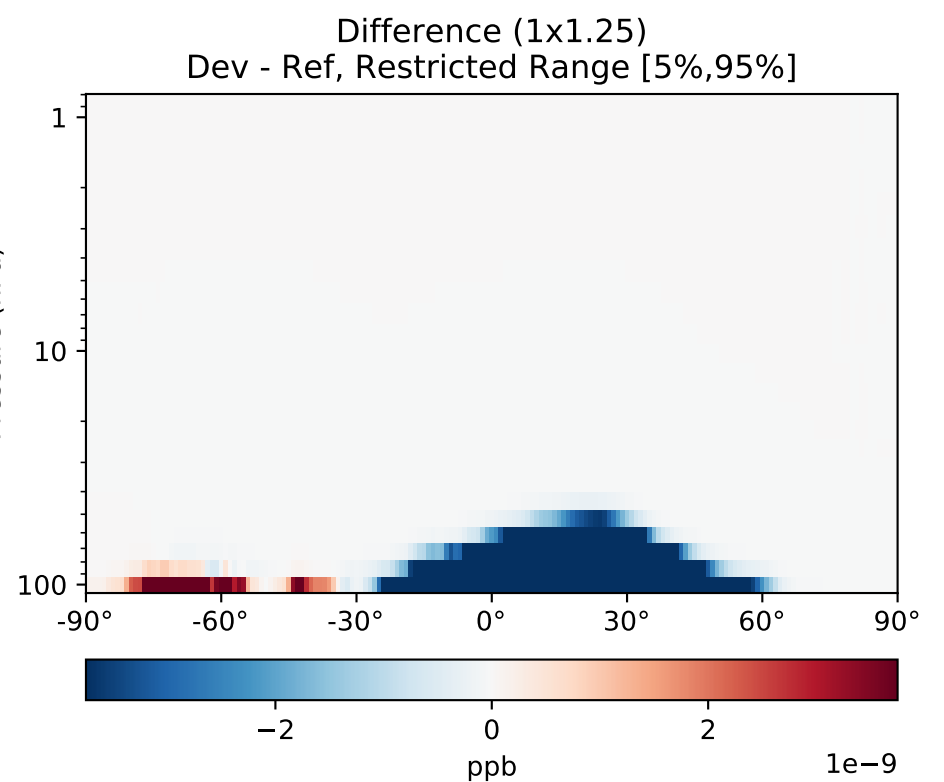
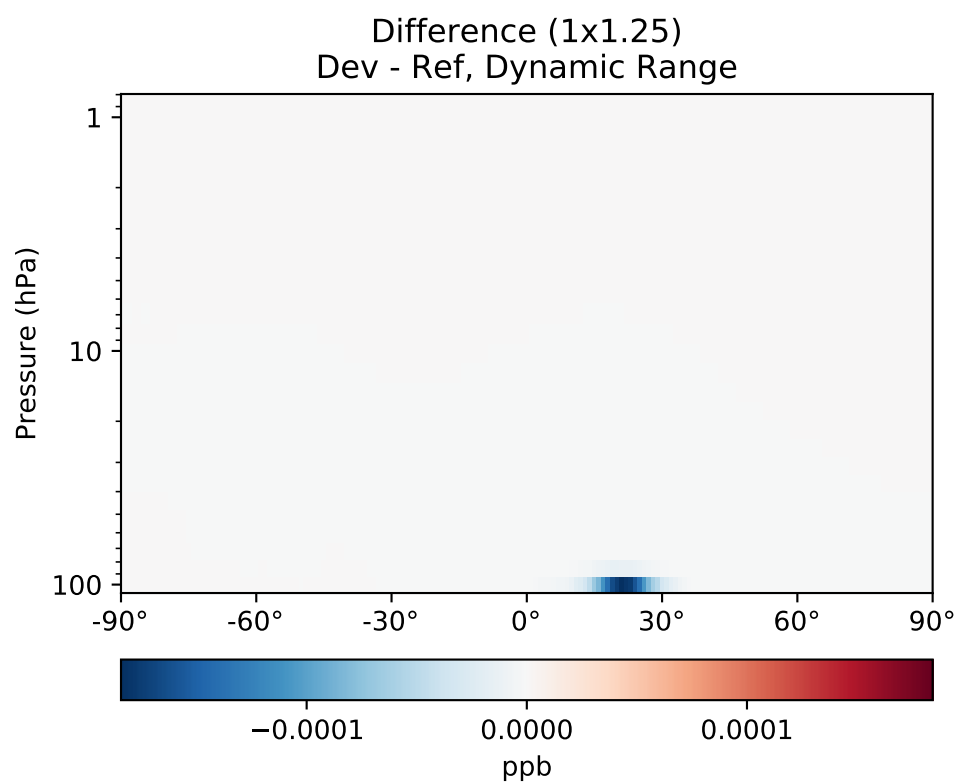
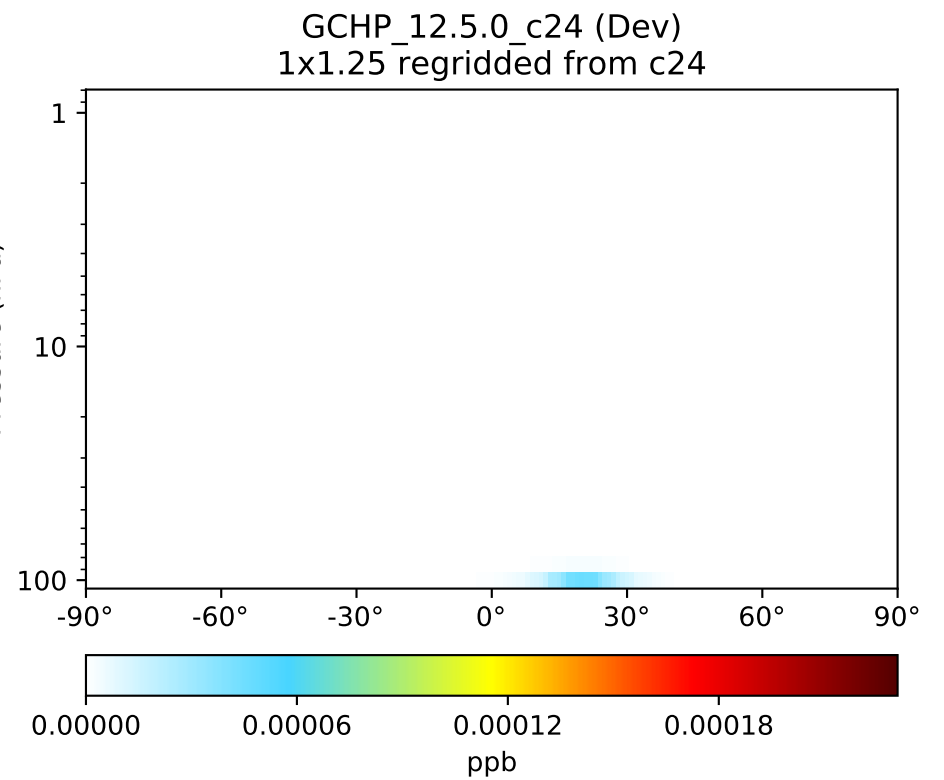
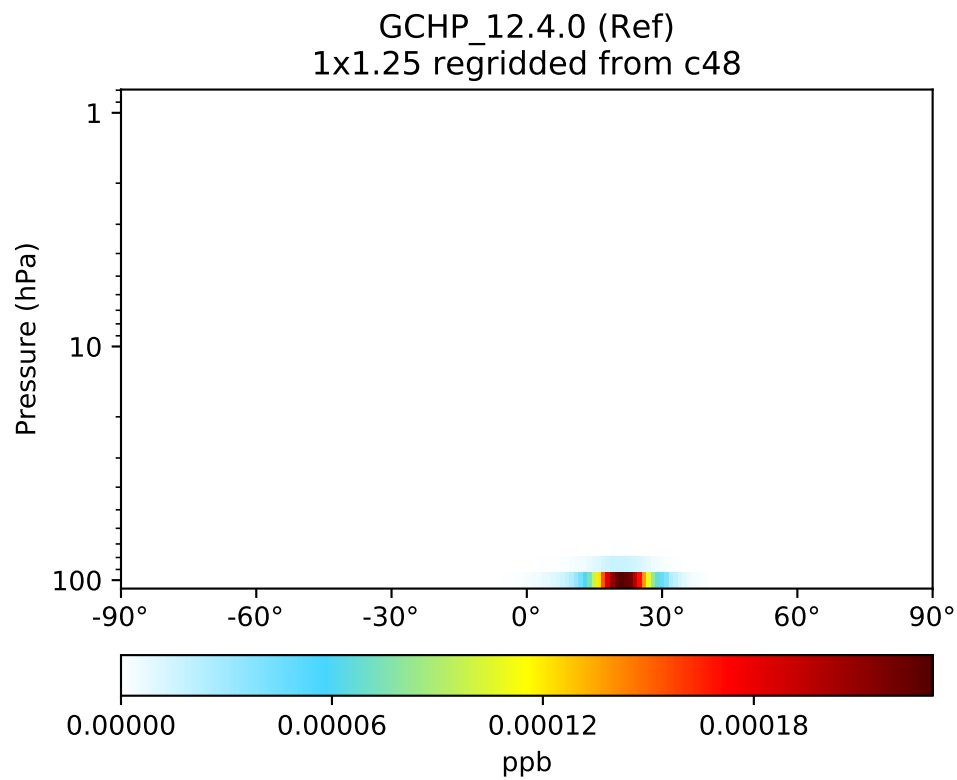
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

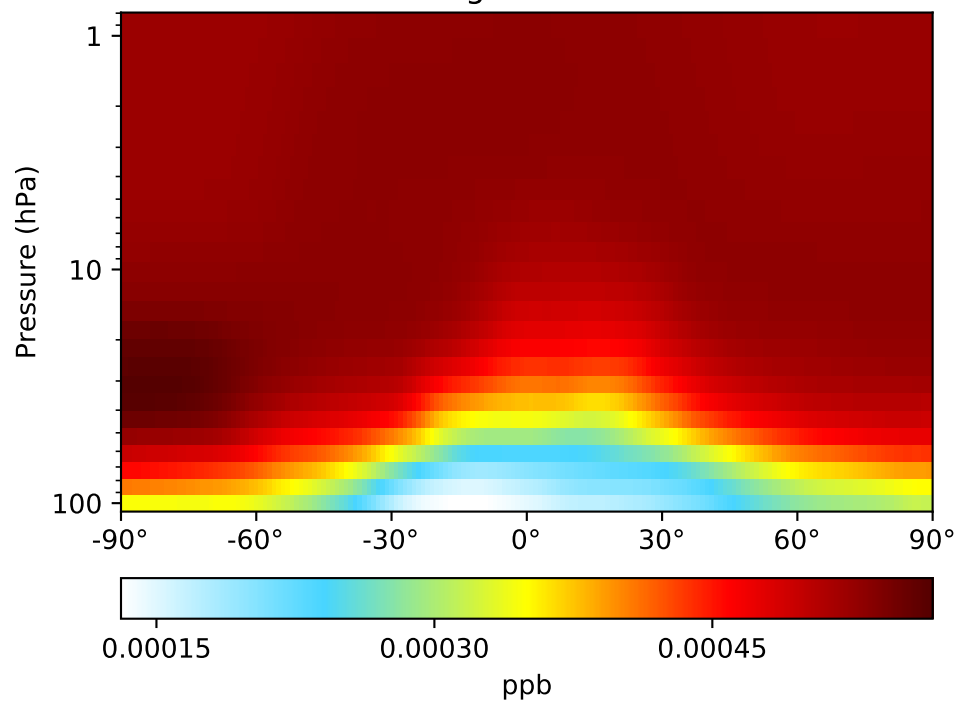


# SpeciesConc\_OCPO, Zonal Mean

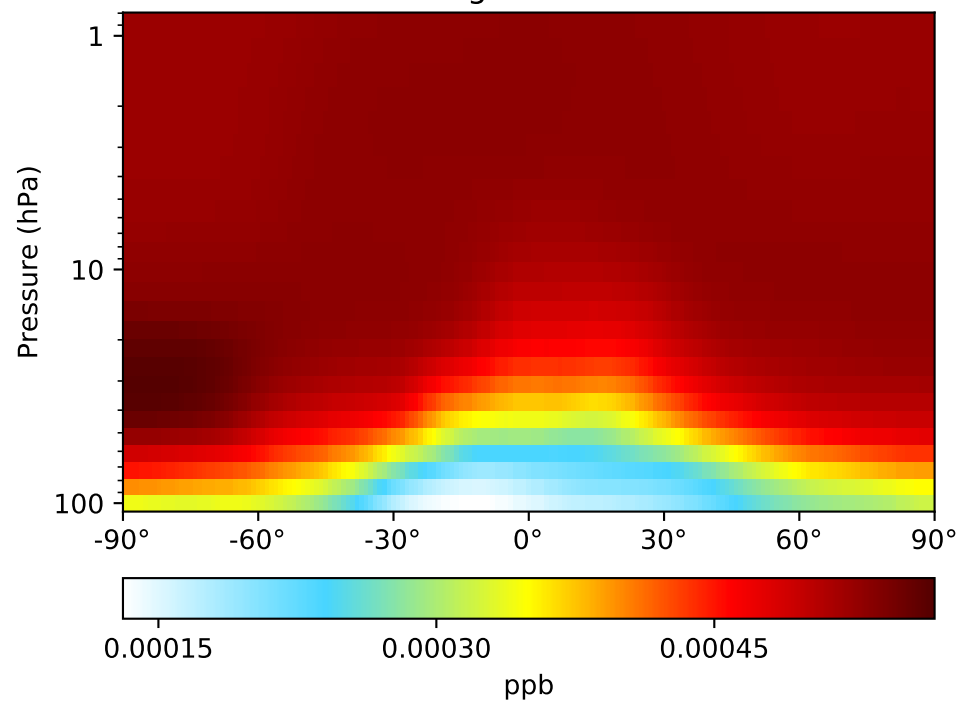


# SpeciesConc\_AERI, Zonal Mean

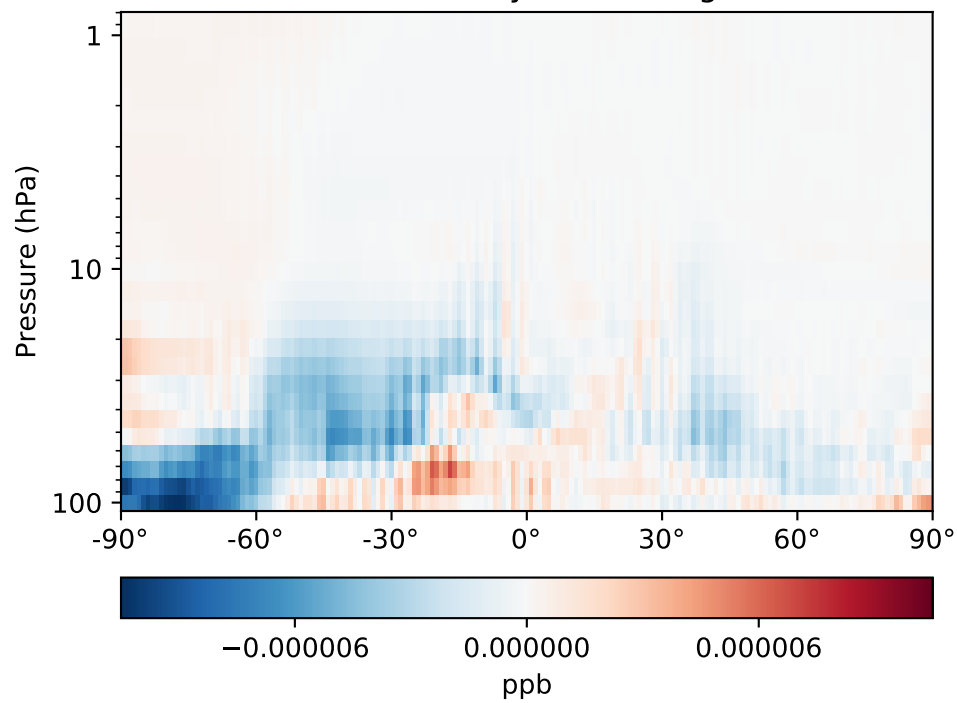
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



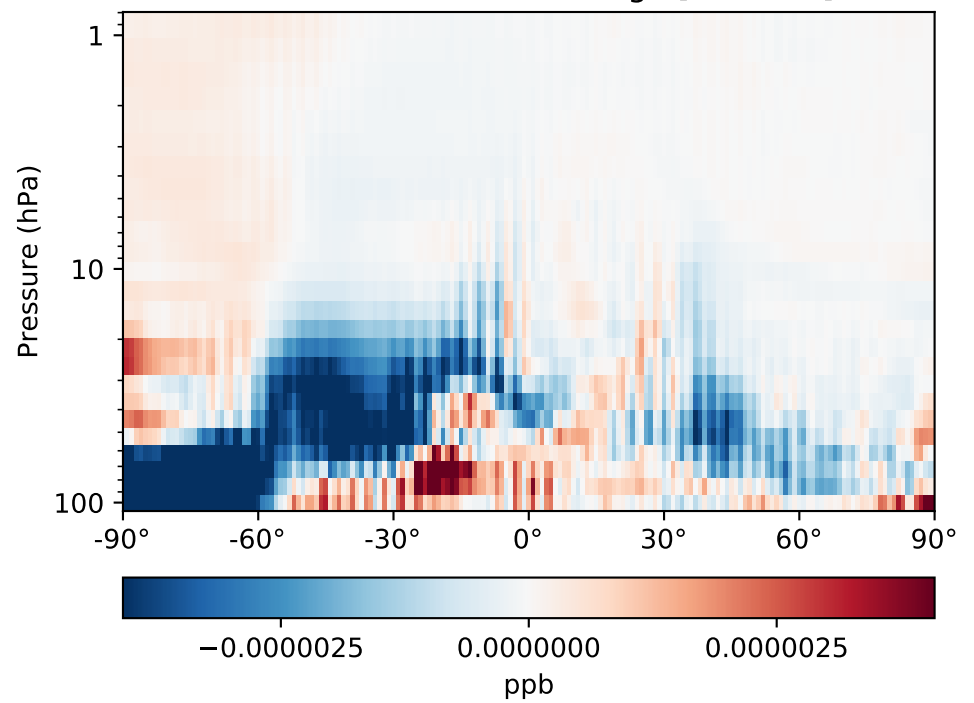
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



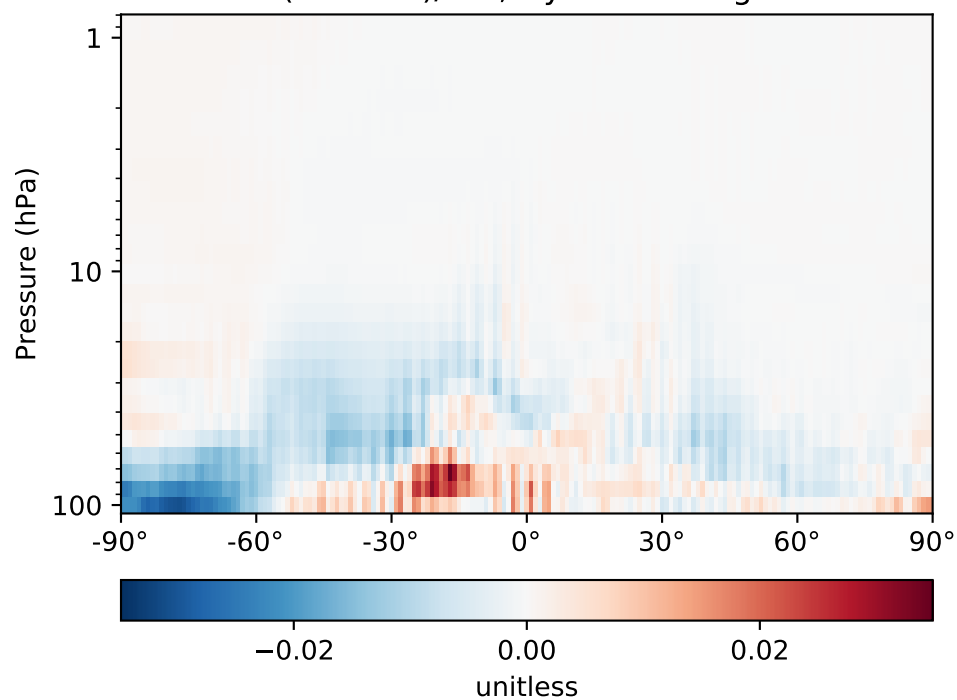
Difference (1x1.25)  
Dev - Ref, Dynamic Range



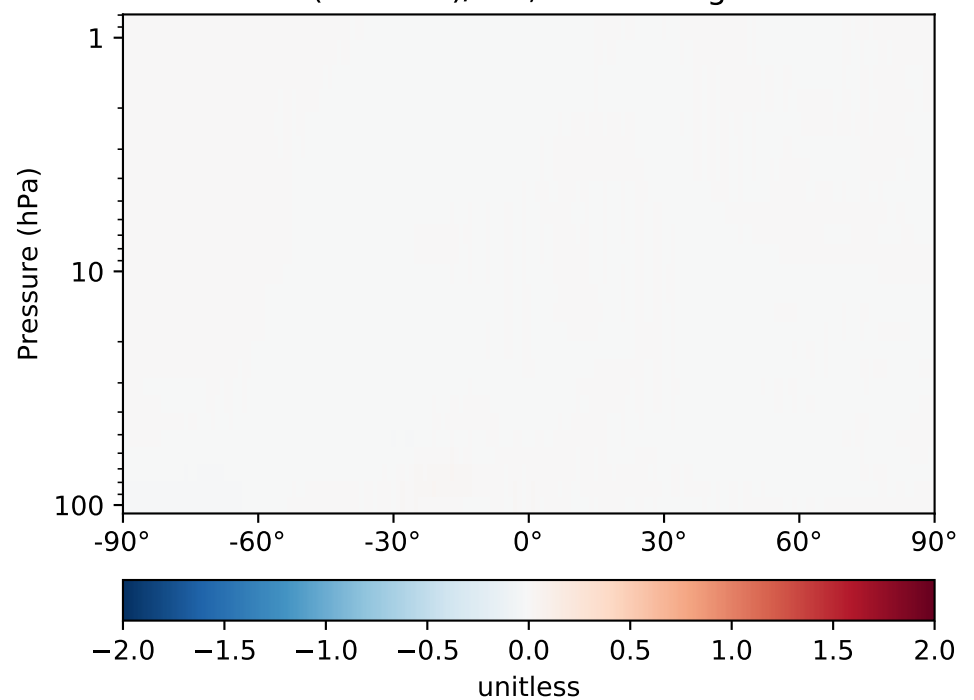
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



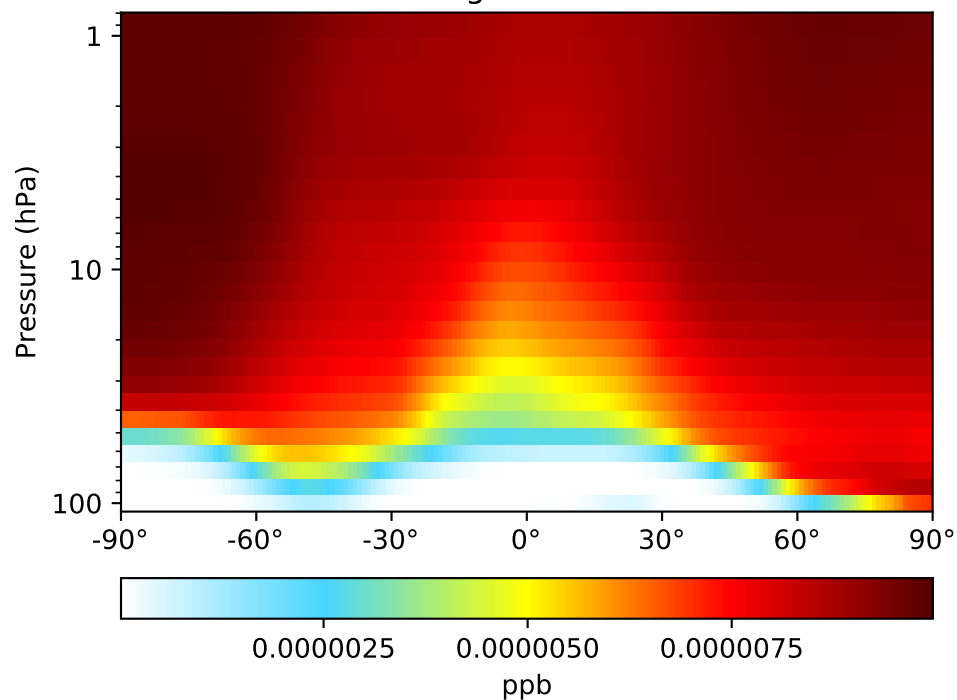
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



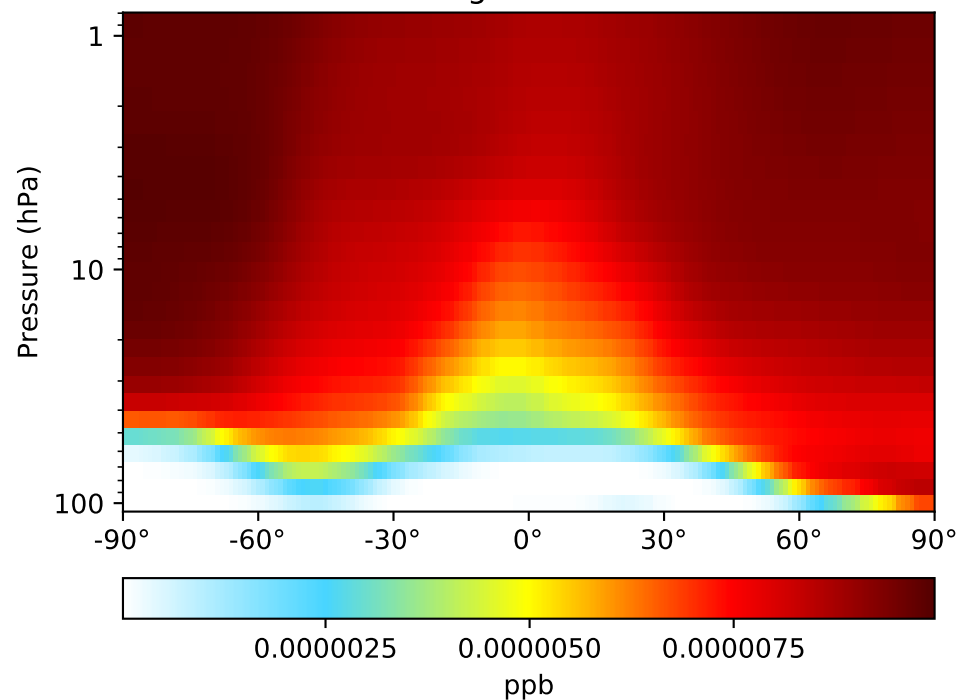


# SpeciesConc\_BrSALA, Zonal Mean

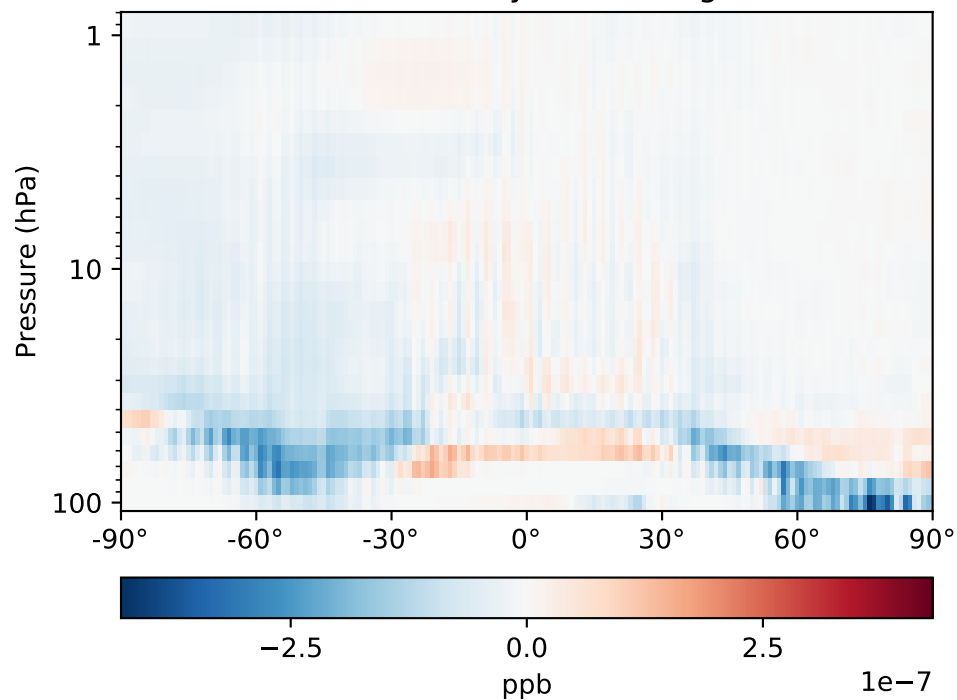
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



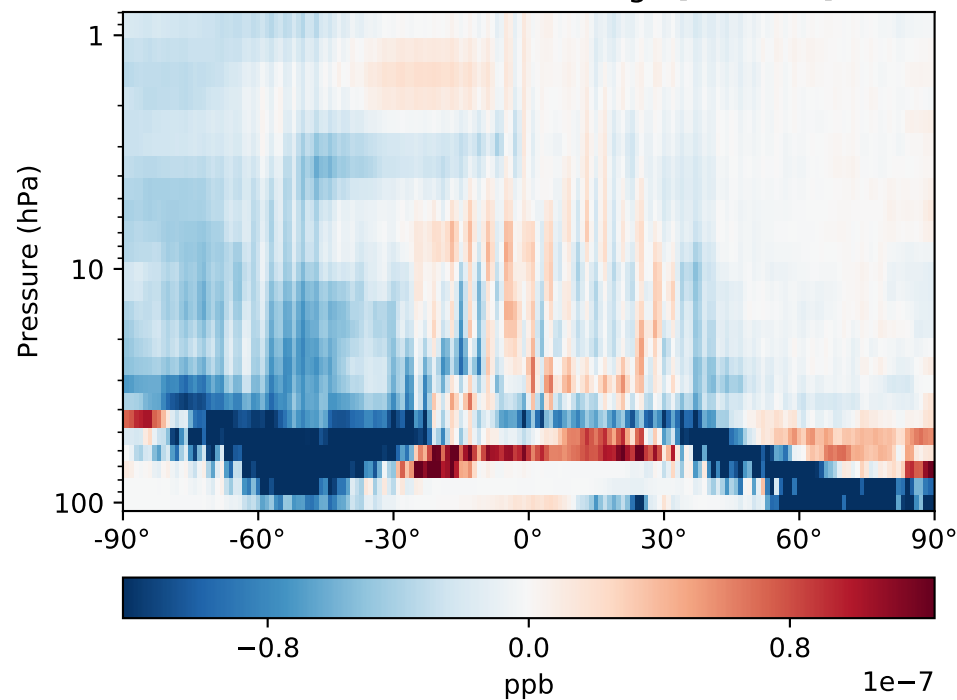
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



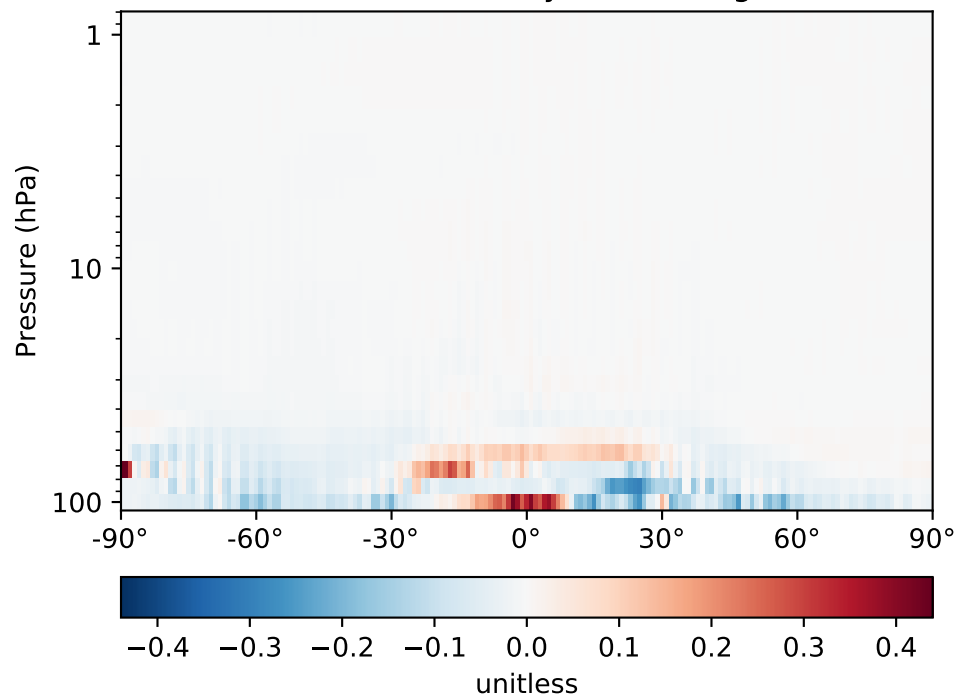
Difference (1x1.25)  
Dev - Ref, Dynamic Range



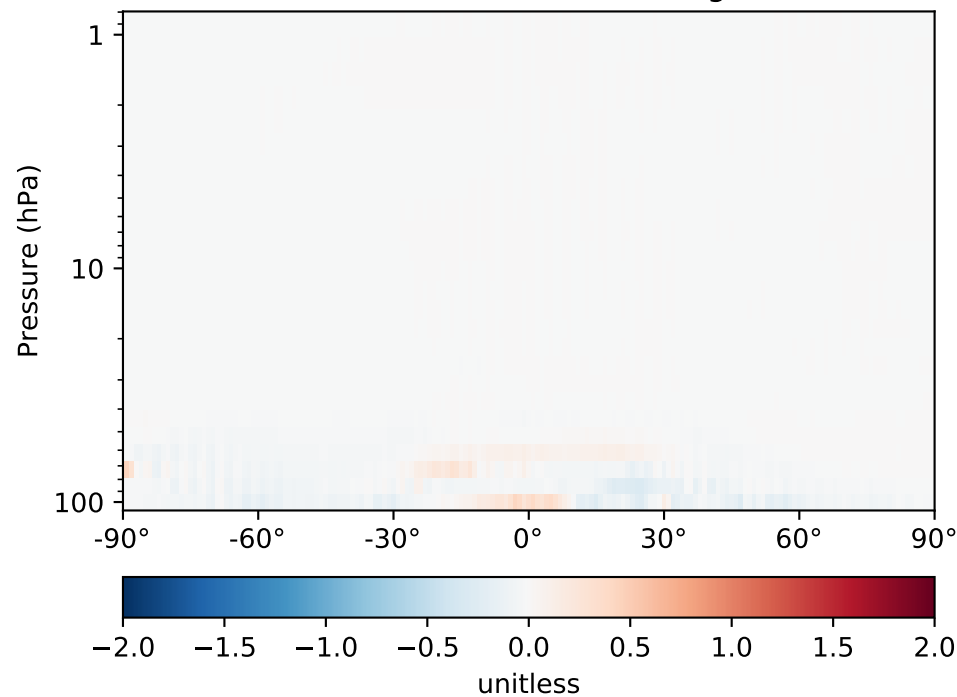
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

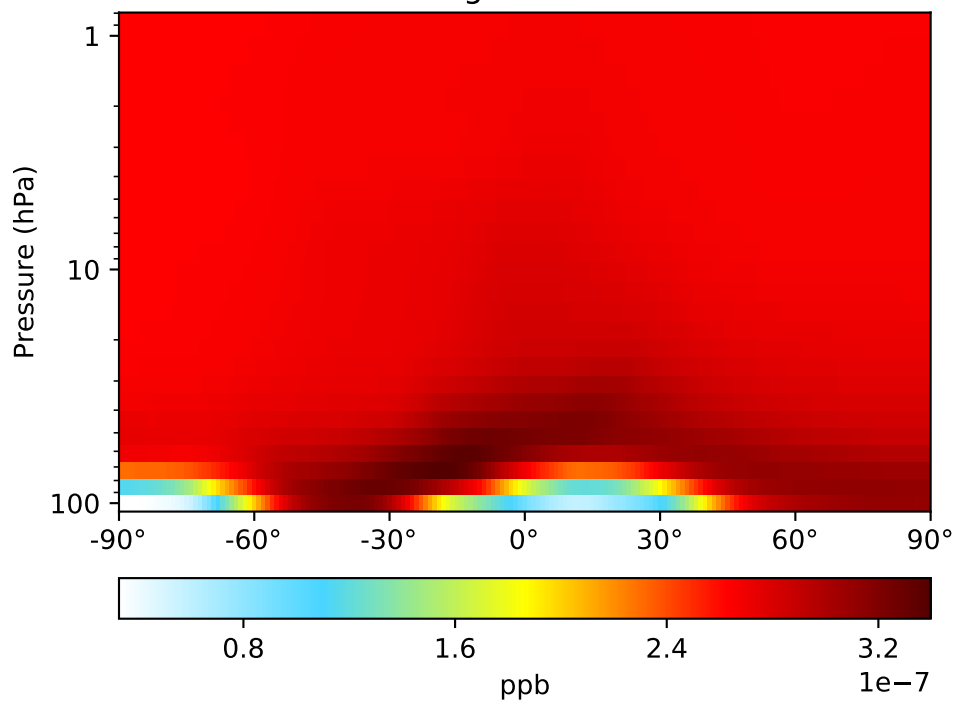


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

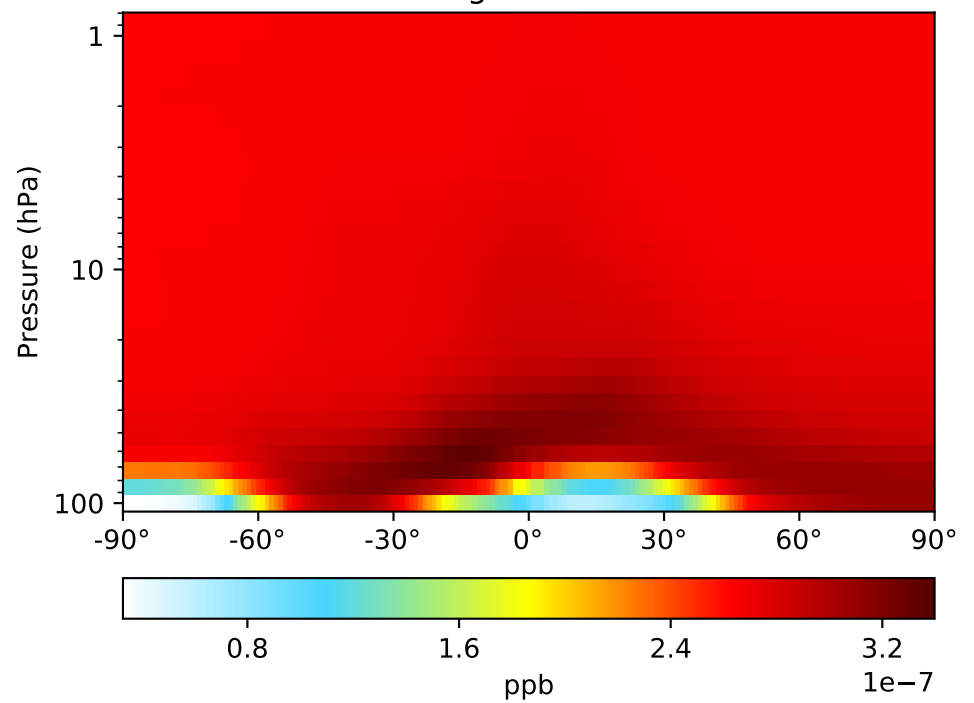


# SpeciesConc\_BrSALC, Zonal Mean

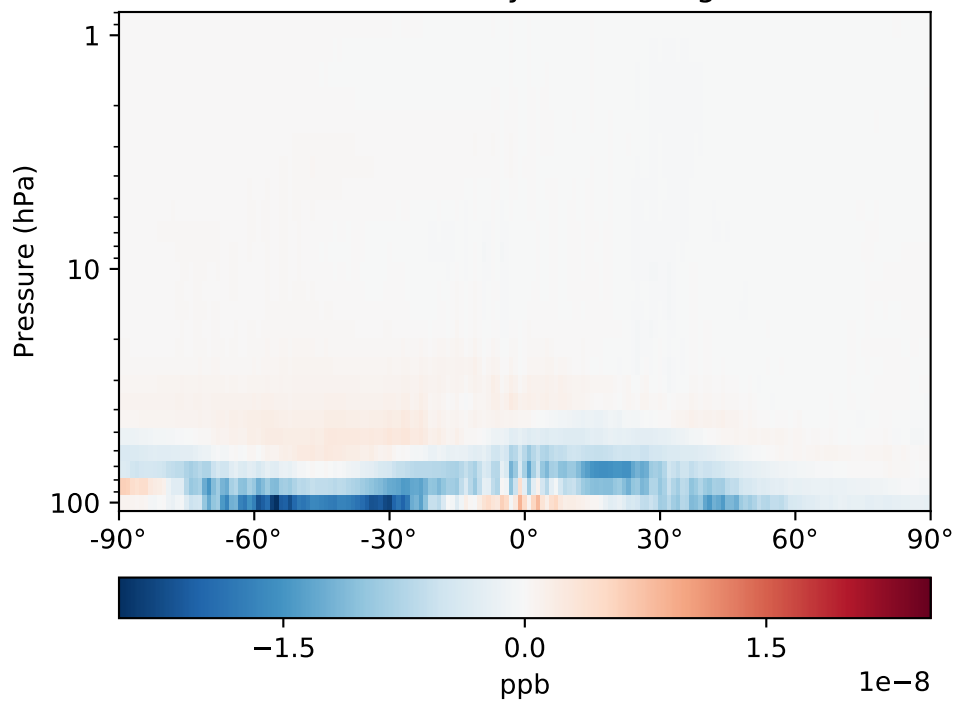
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



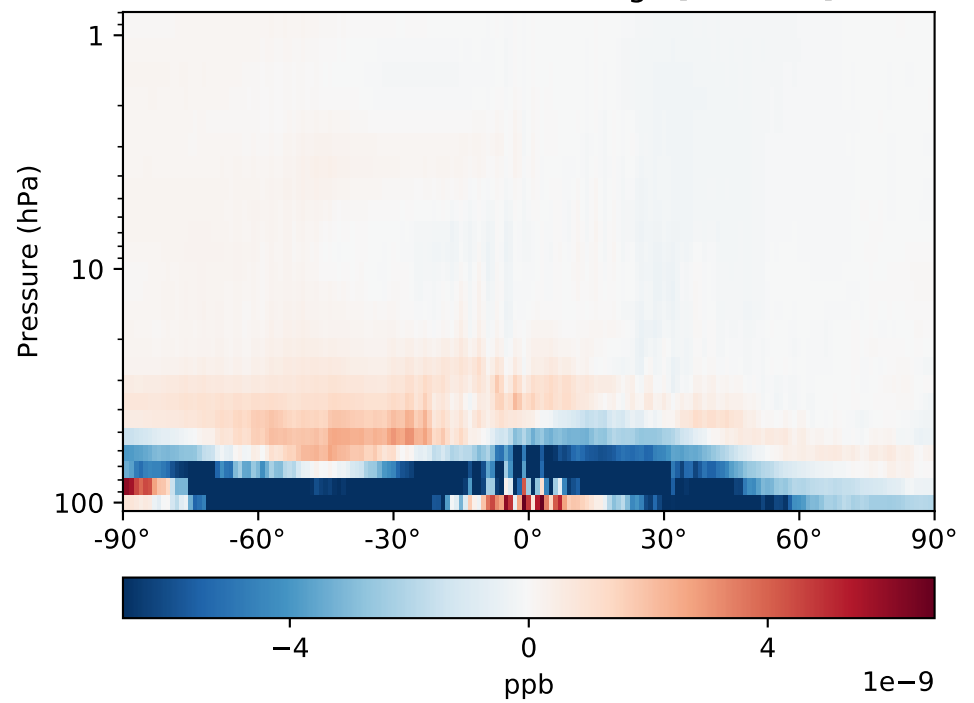
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



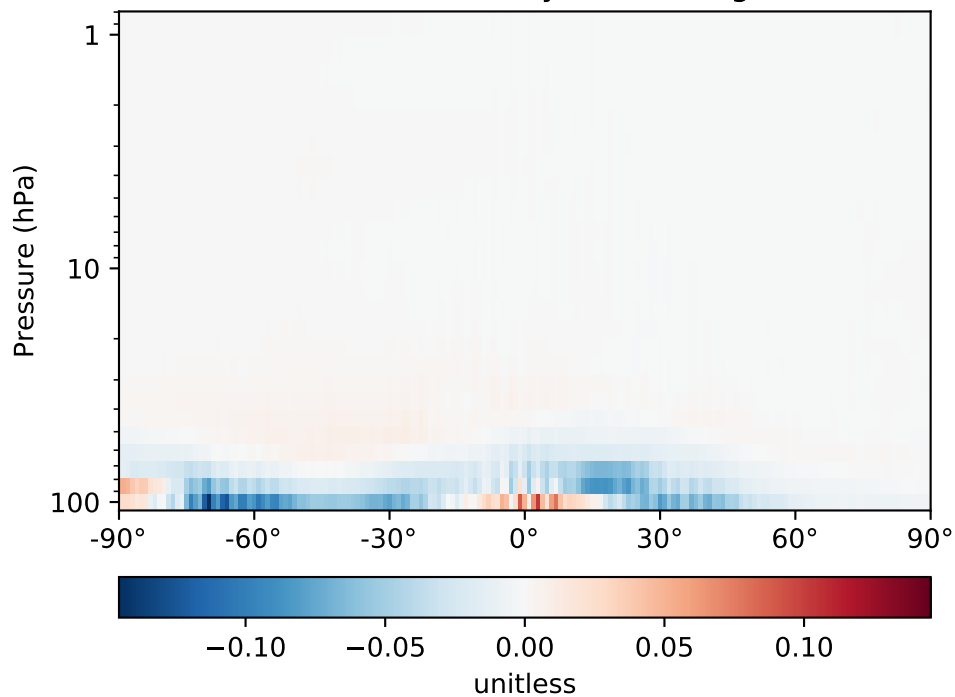
Difference (1x1.25)  
Dev - Ref, Dynamic Range



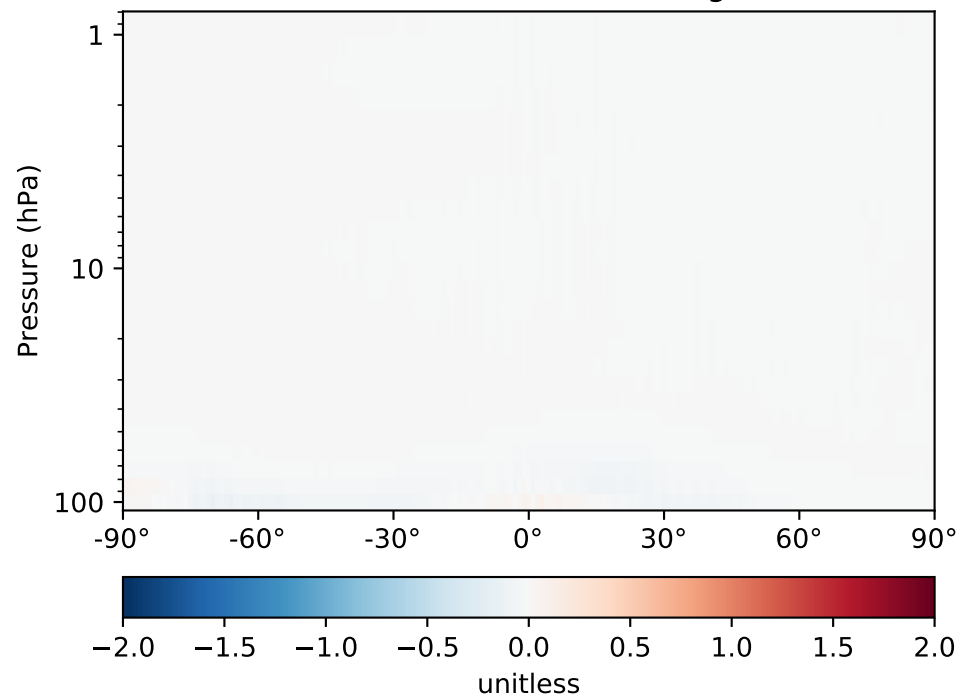
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

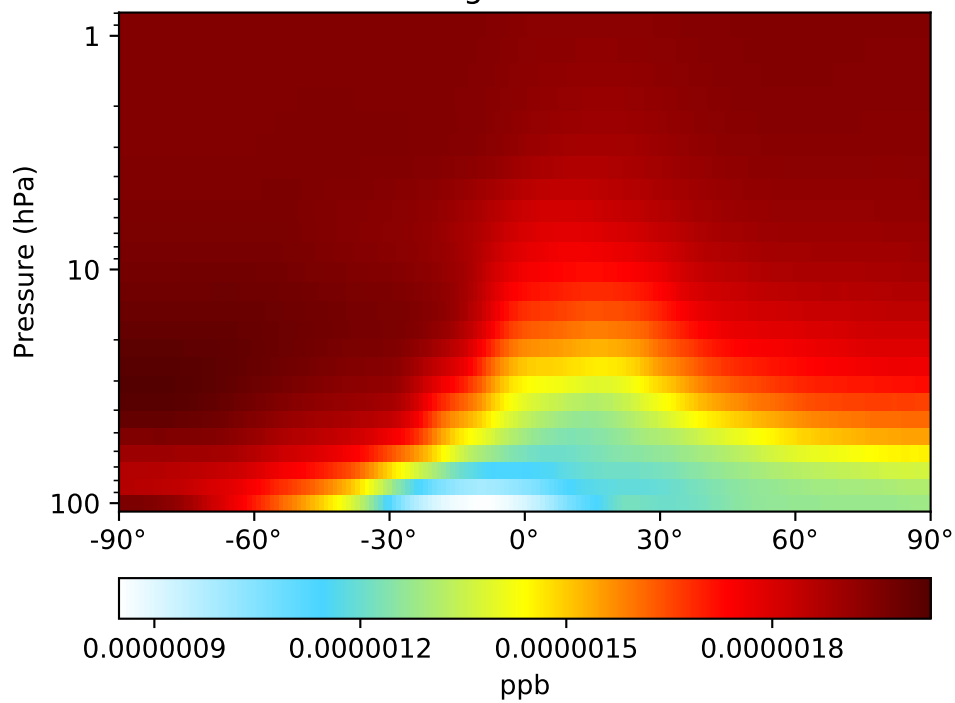


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

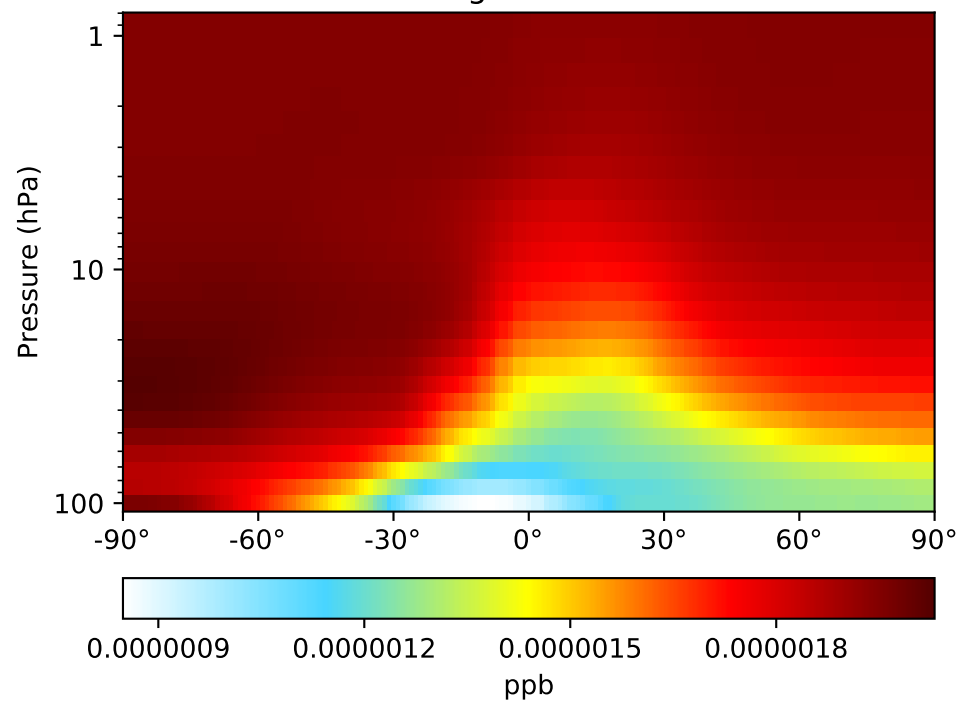


# SpeciesConc\_ISALA, Zonal Mean

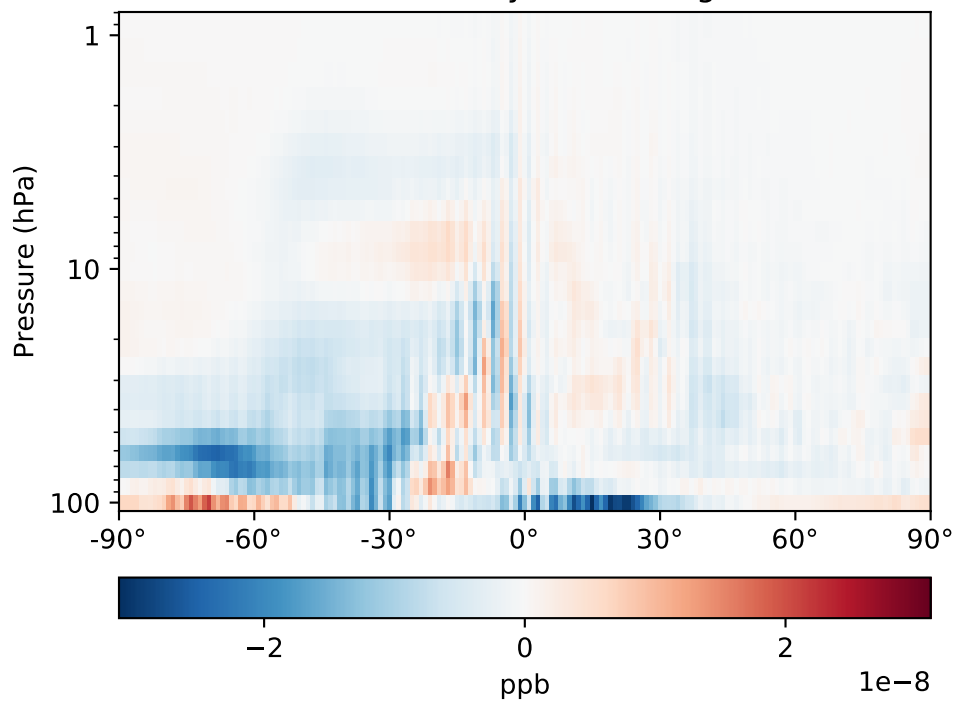
GCHP\_12.4.0 (Ref)  
1x1.25 regridded from c48



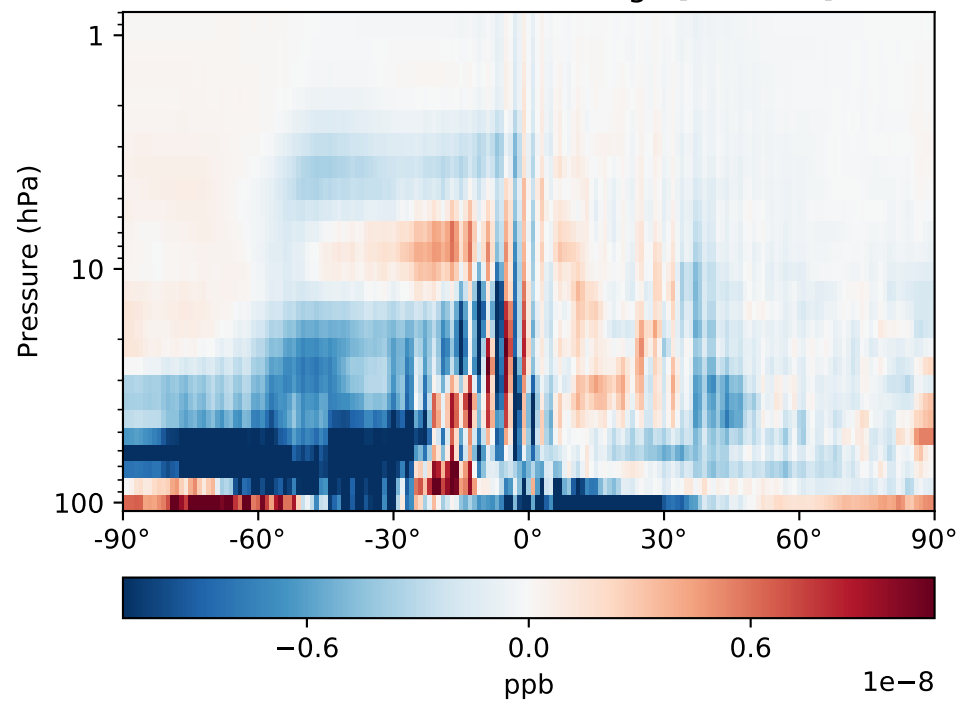
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regridded from c24



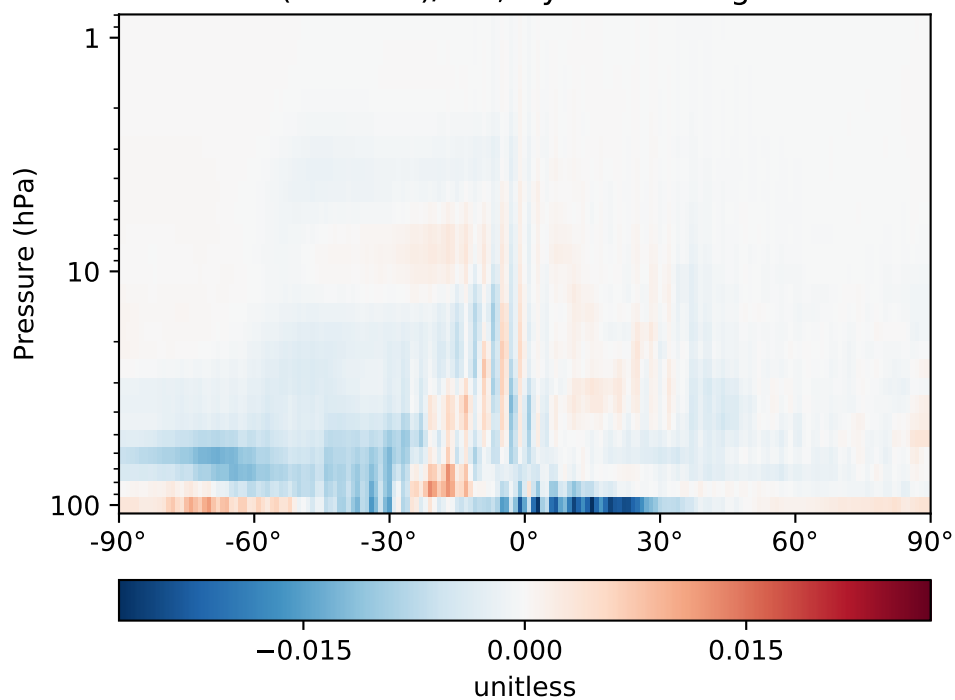
Difference (1x1.25)  
Dev - Ref, Dynamic Range



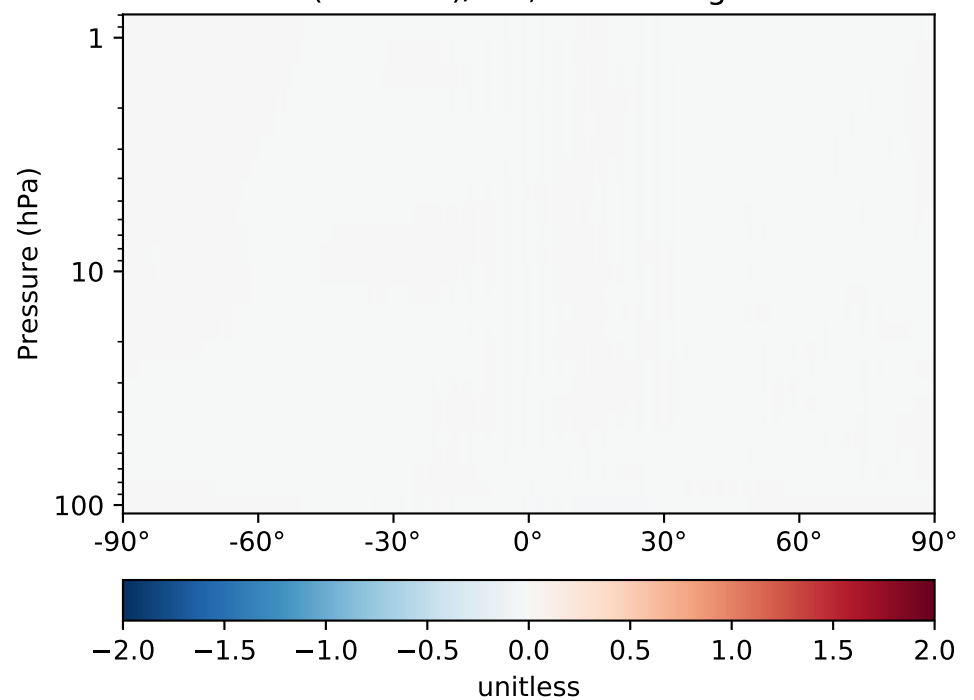
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

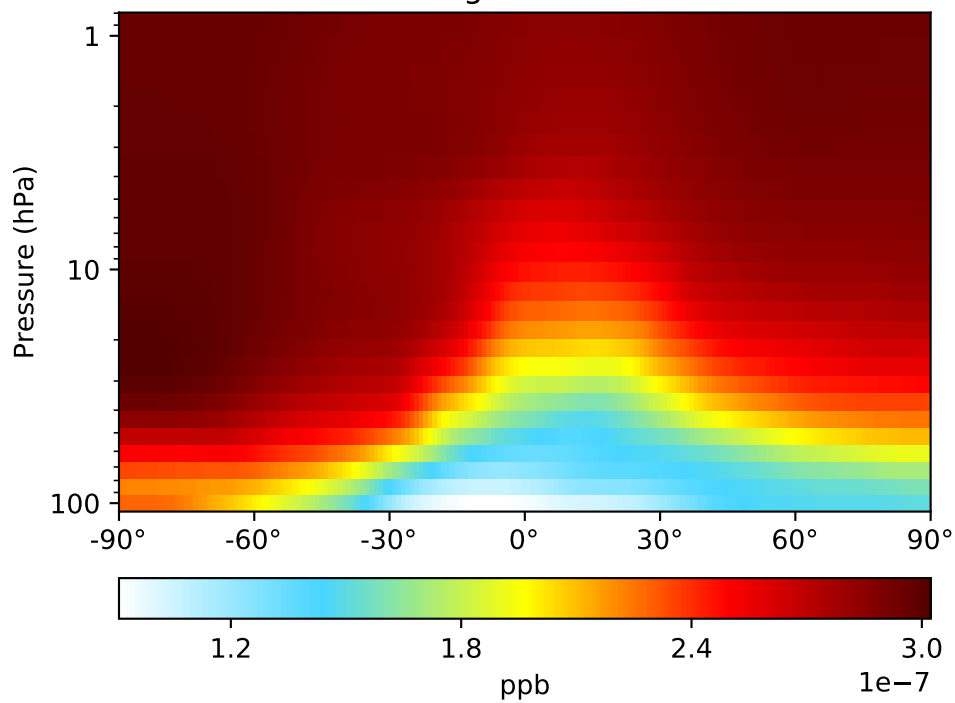


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

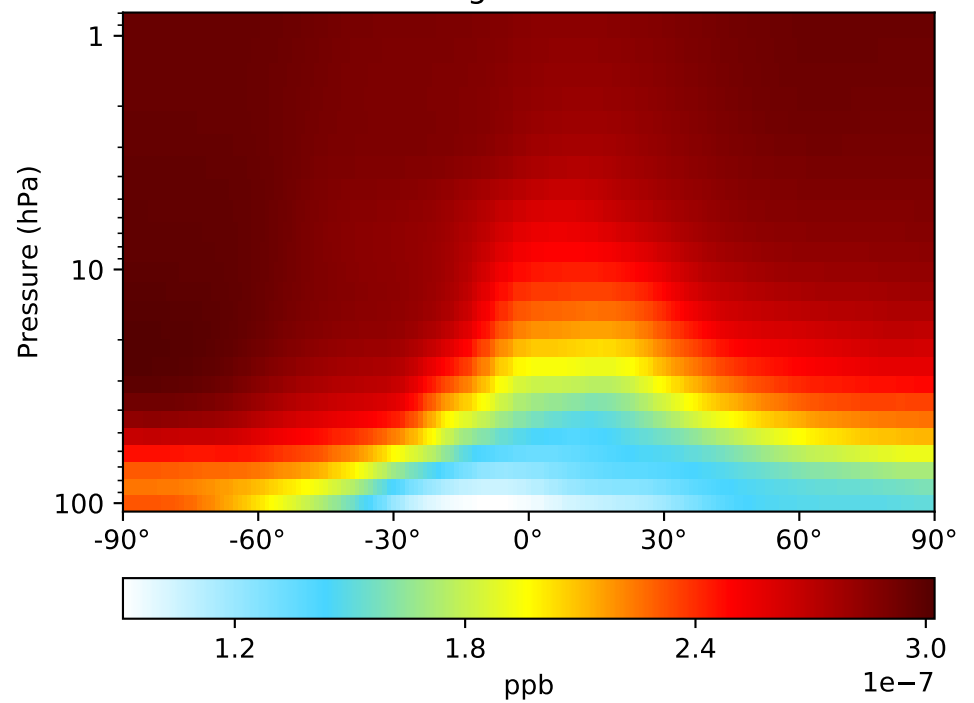


# SpeciesConc\_ISALC, Zonal Mean

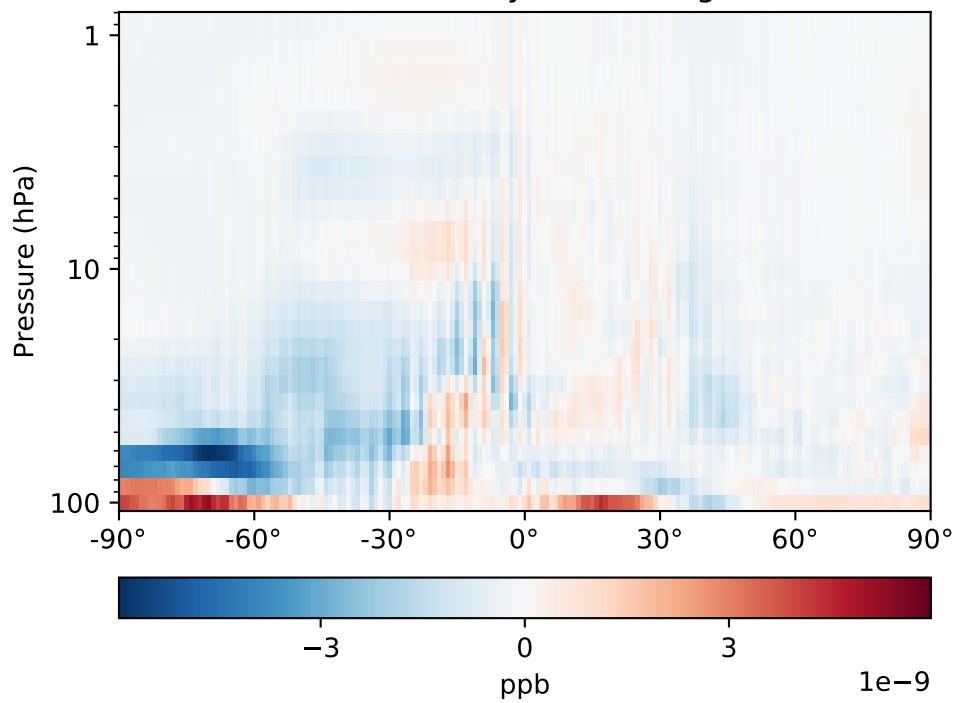
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



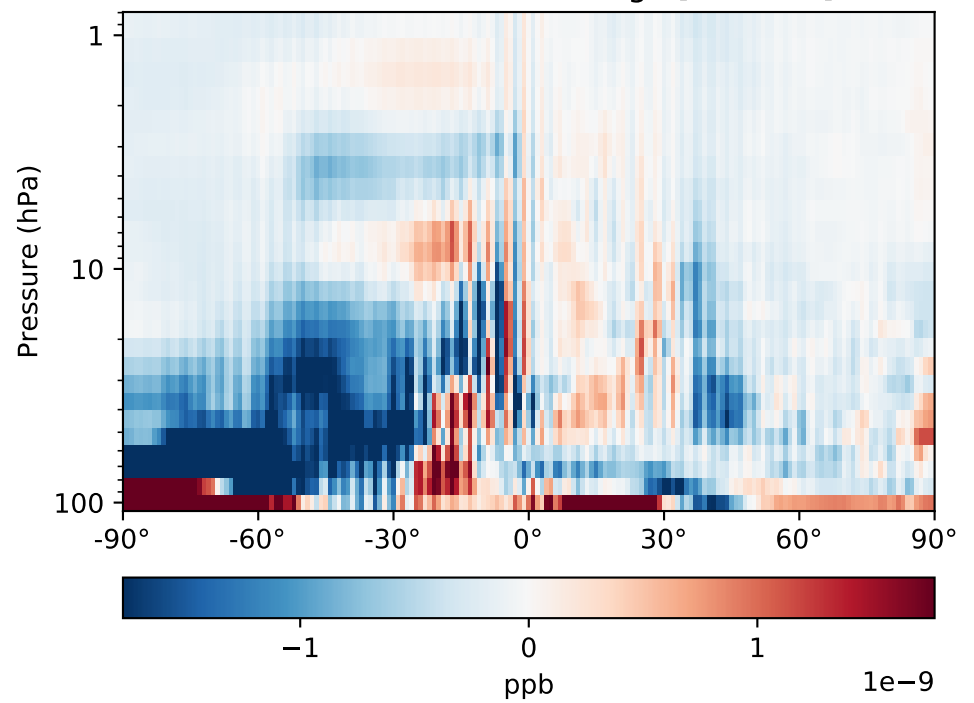
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



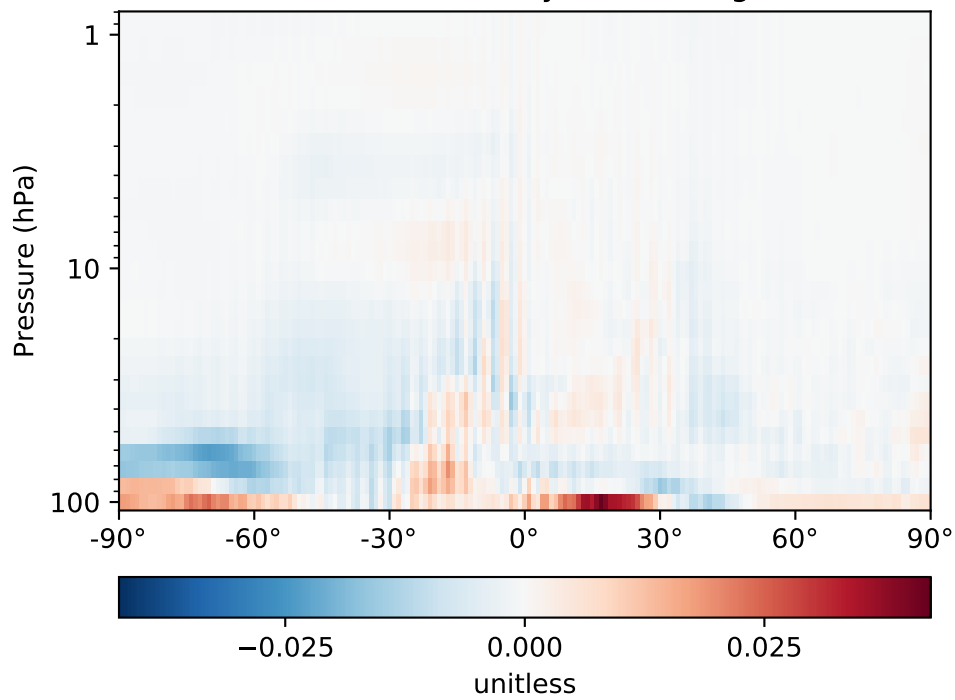
Difference (1x1.25)  
Dev - Ref, Dynamic Range



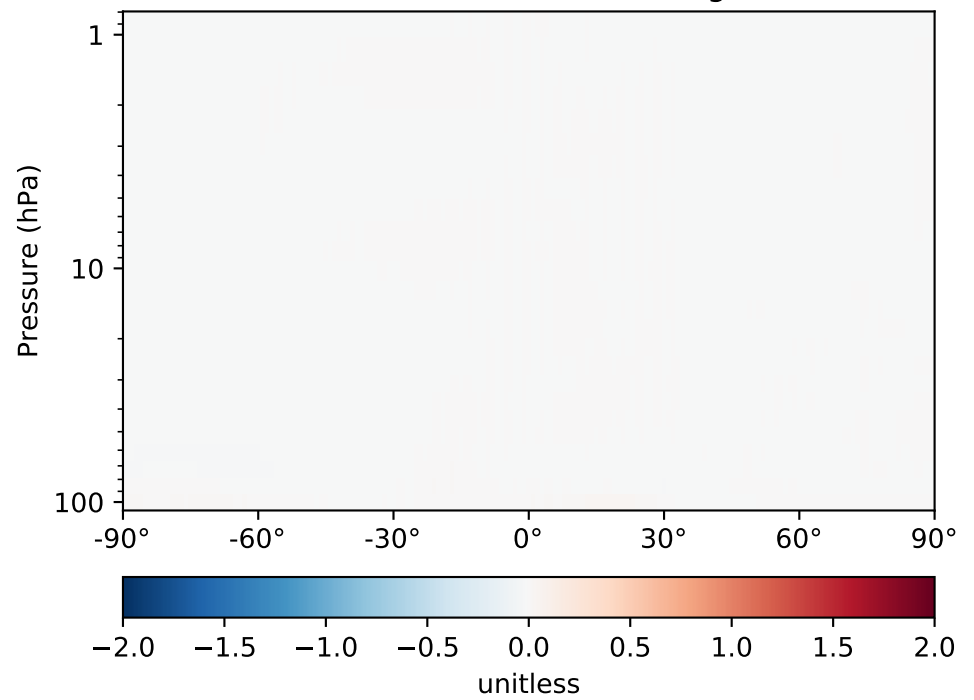
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

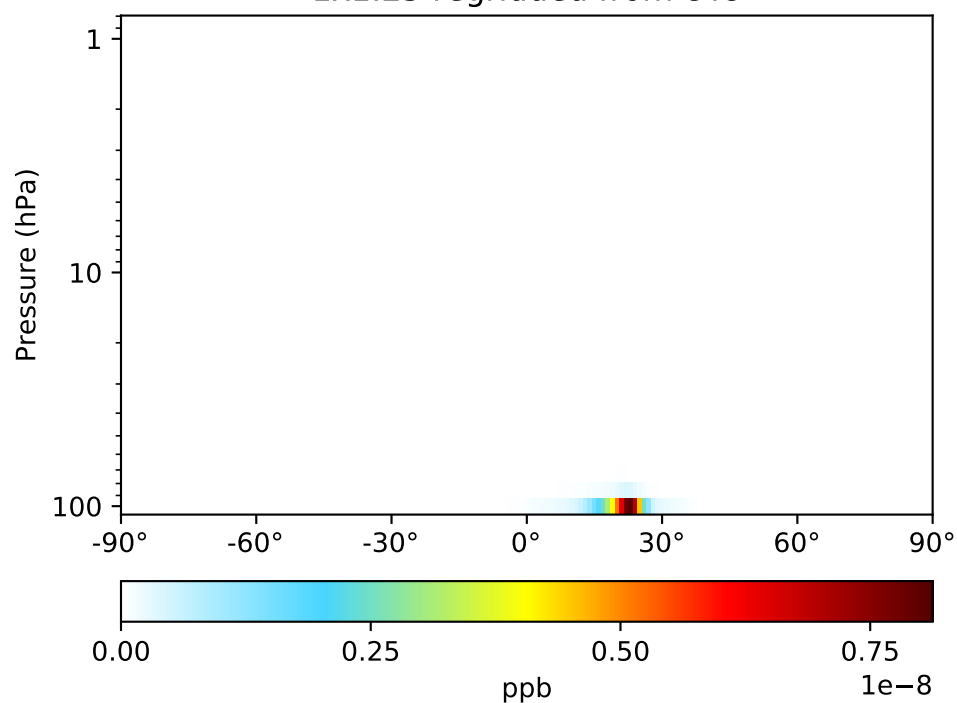


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

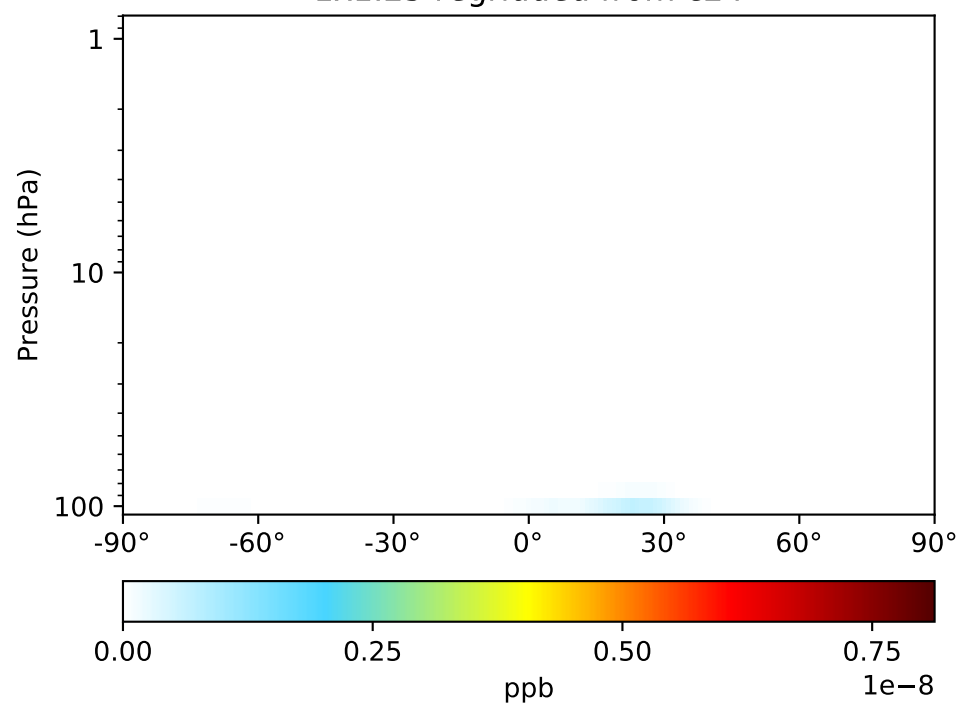


# SpeciesConc\_NITs, Zonal Mean

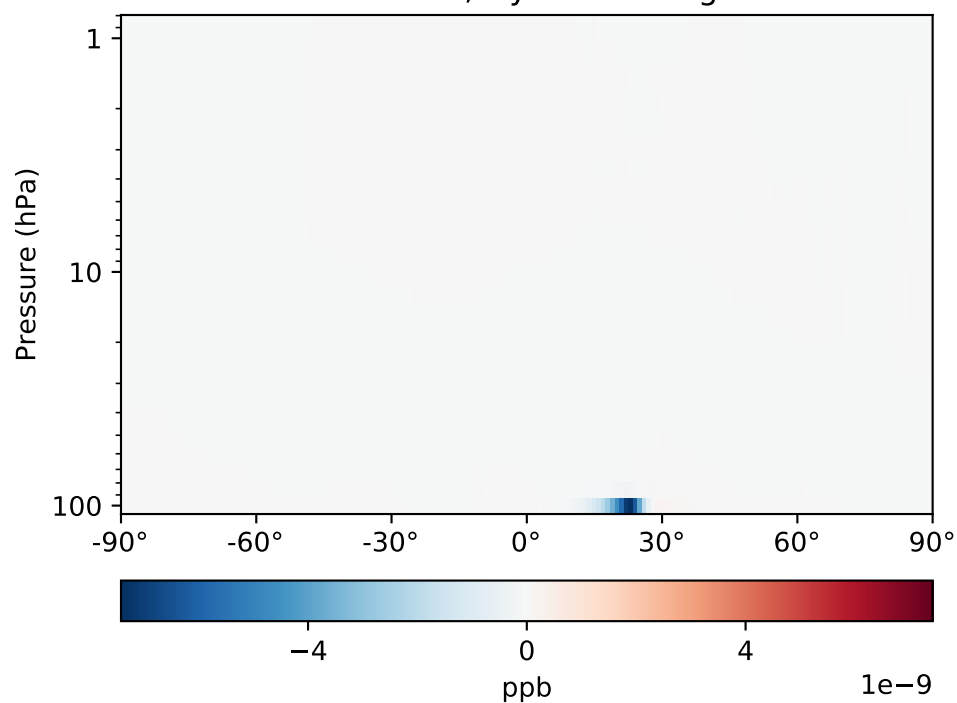
GCHP\_12.4.0 (Ref)  
1x1.25 regridded from c48



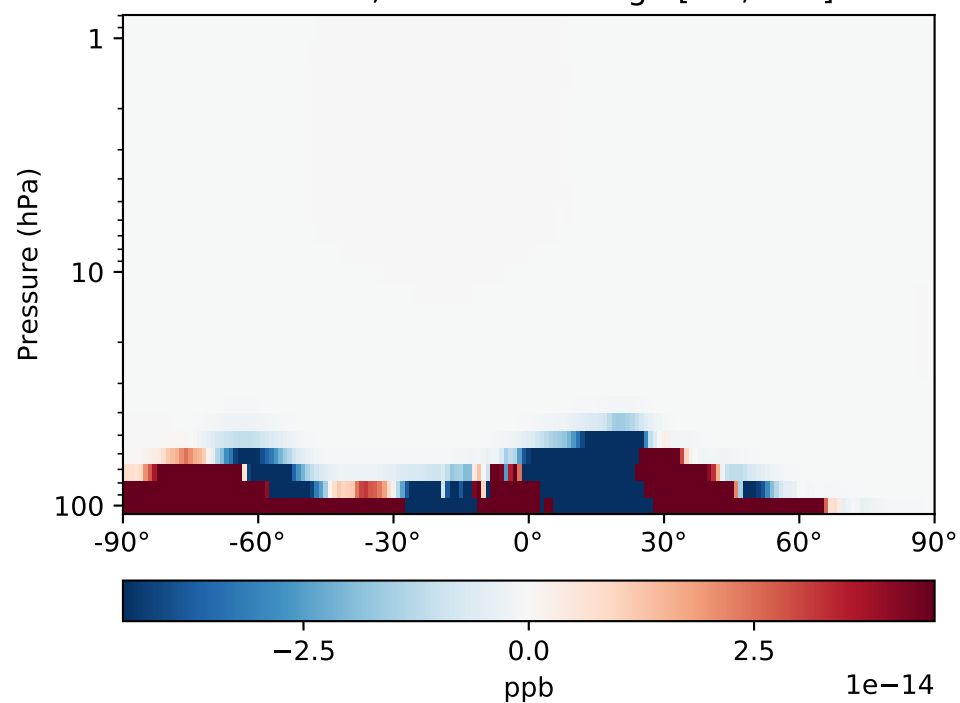
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regridded from c24



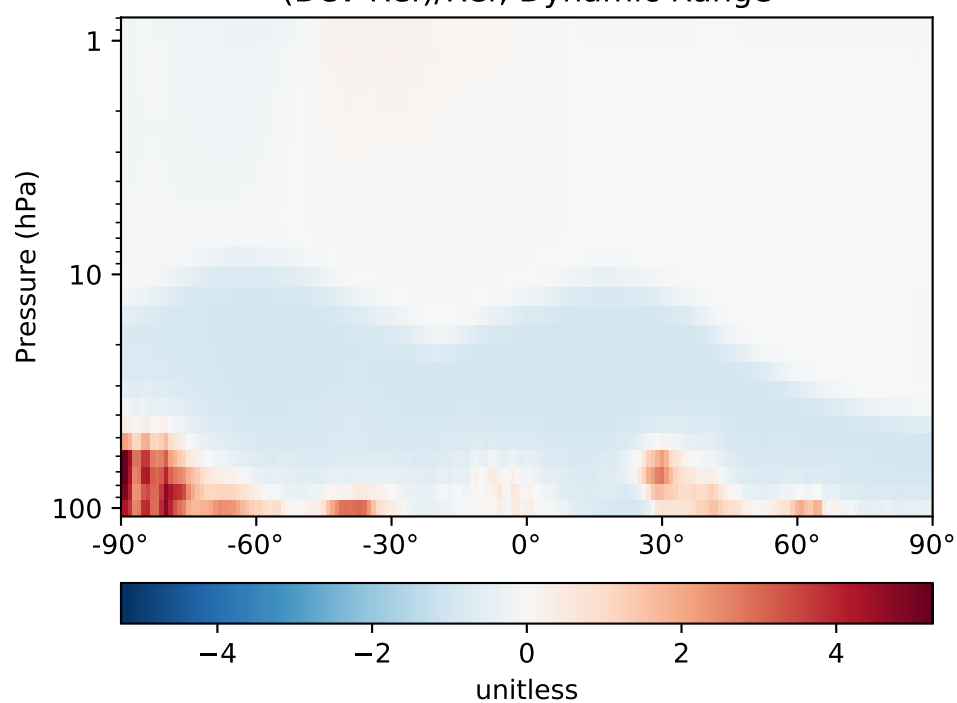
Difference (1x1.25)  
Dev - Ref, Dynamic Range



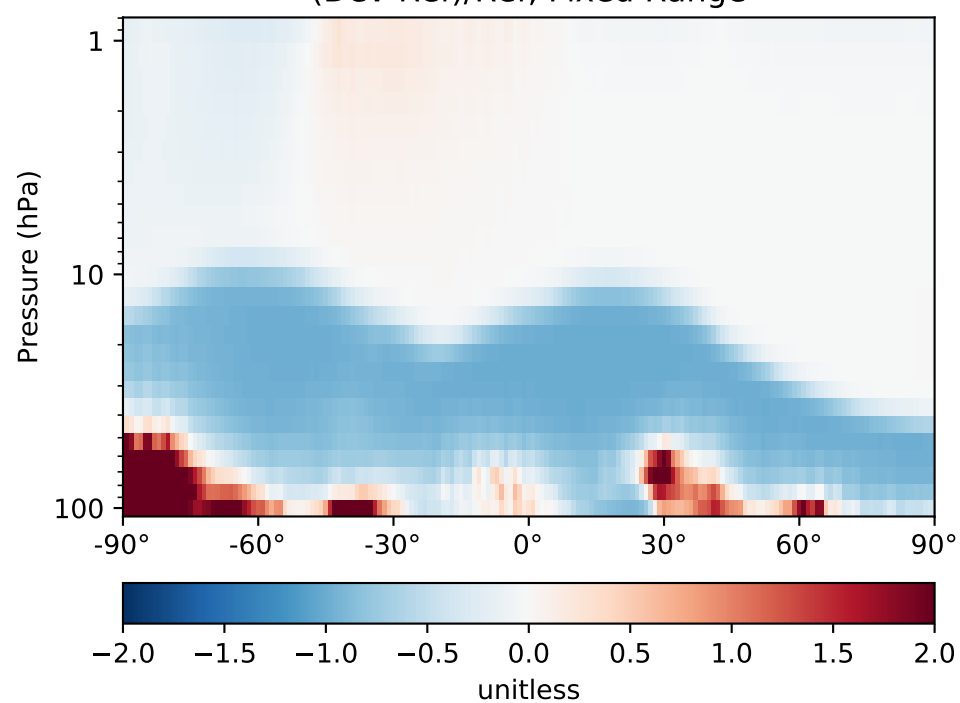
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

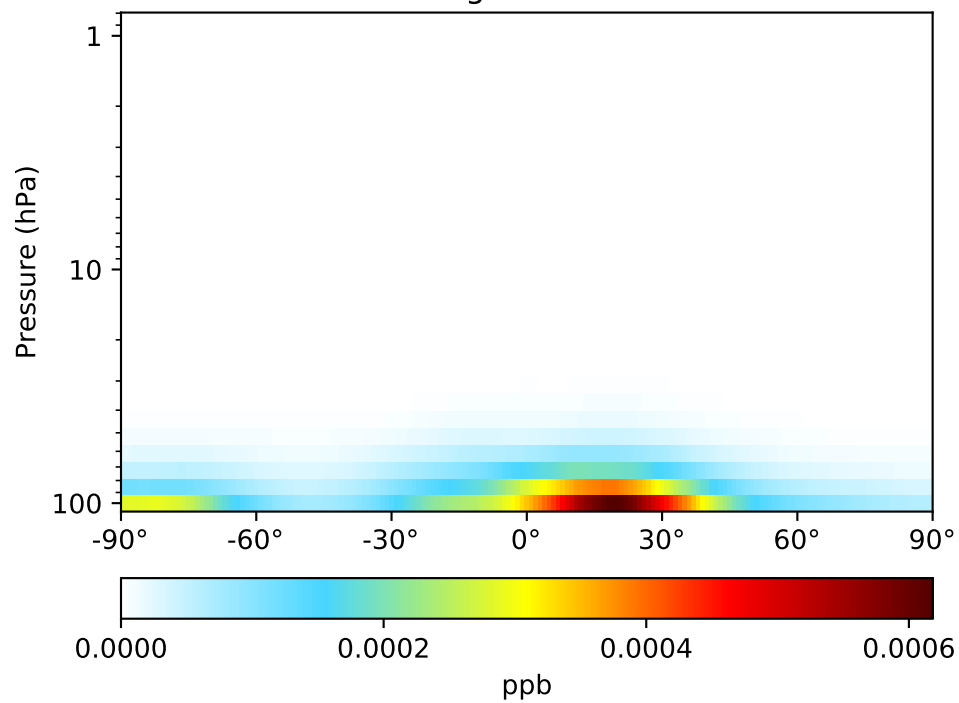


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

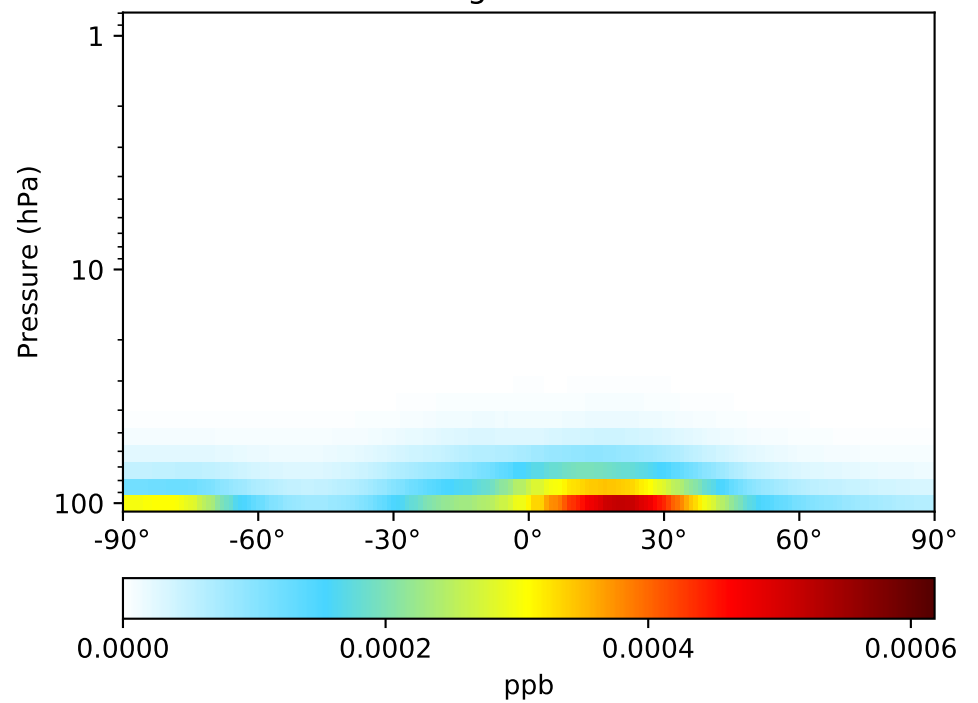


# SpeciesConc\_SALA, Zonal Mean

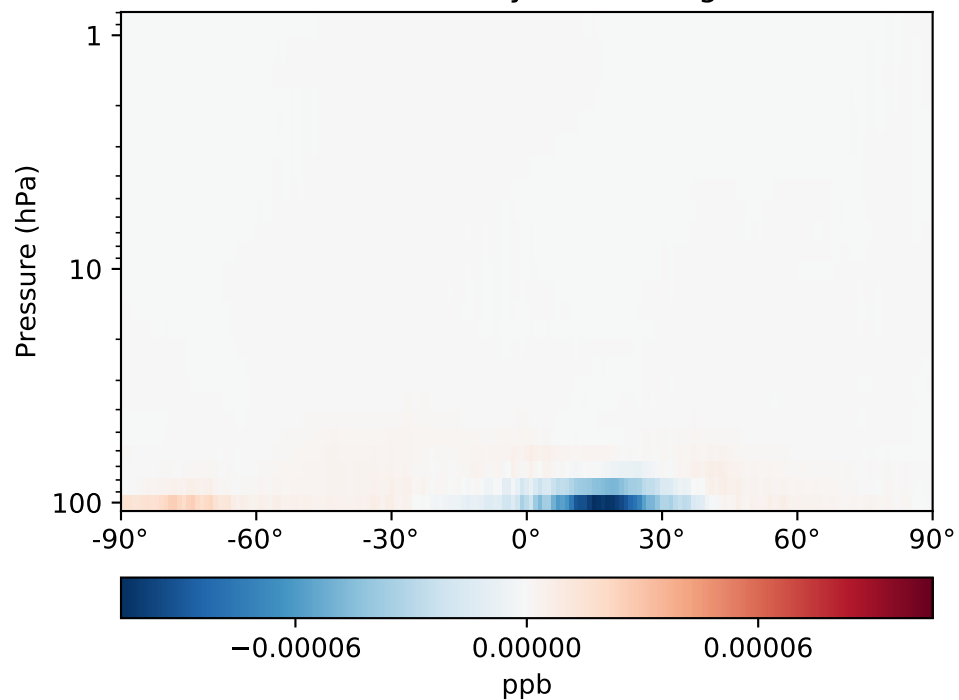
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



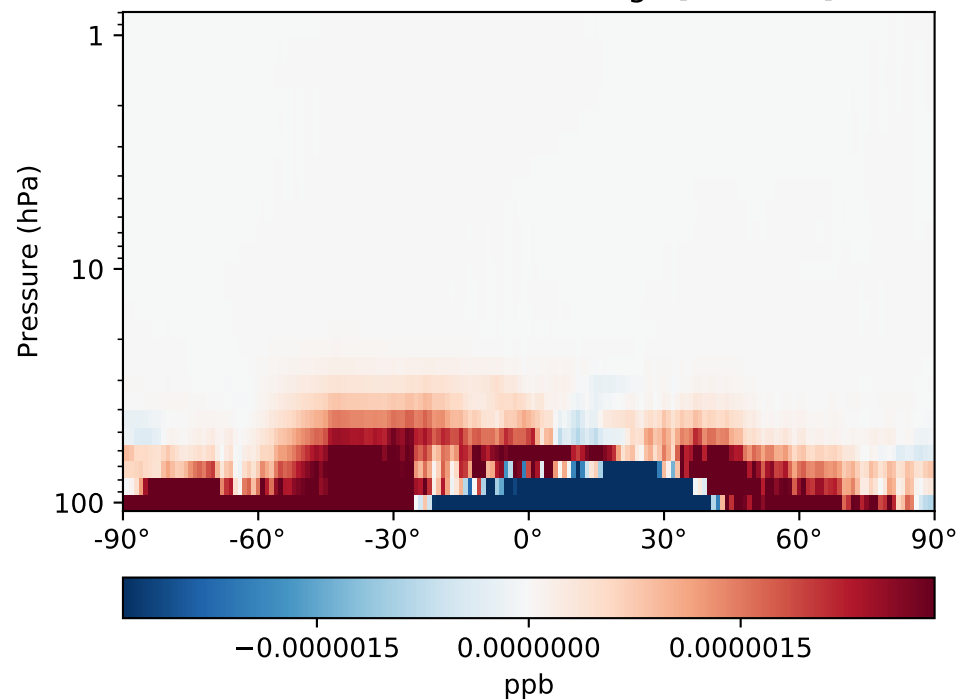
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



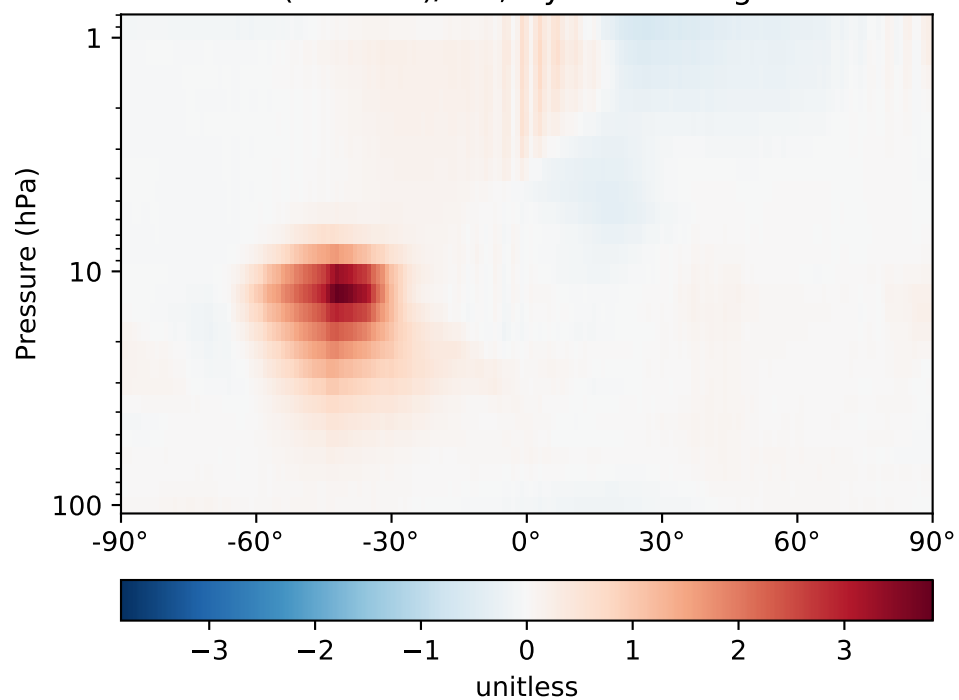
Difference (1x1.25)  
Dev - Ref, Dynamic Range



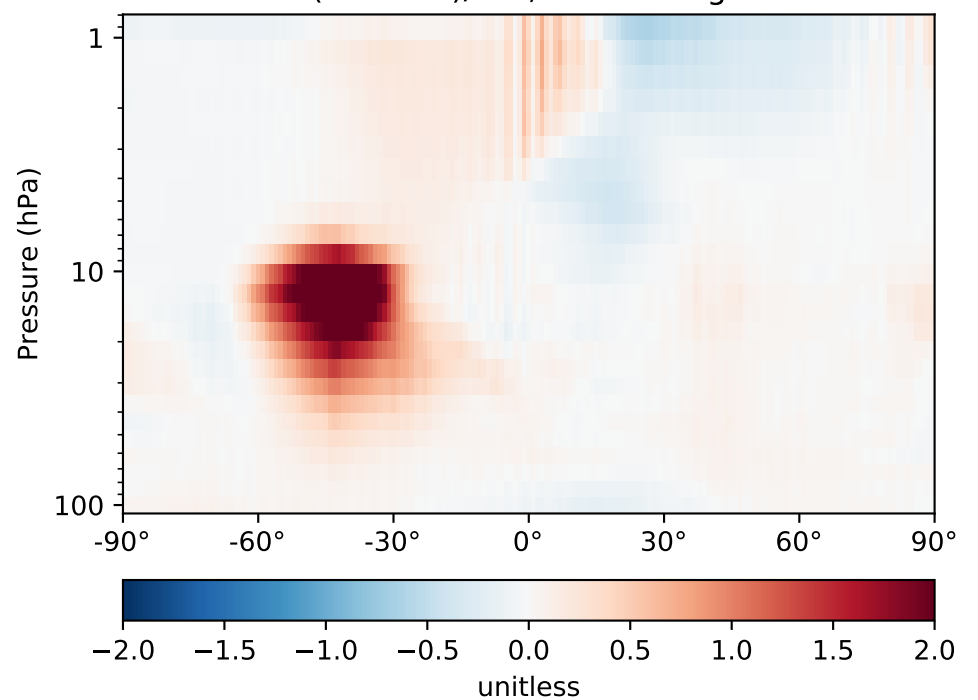
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



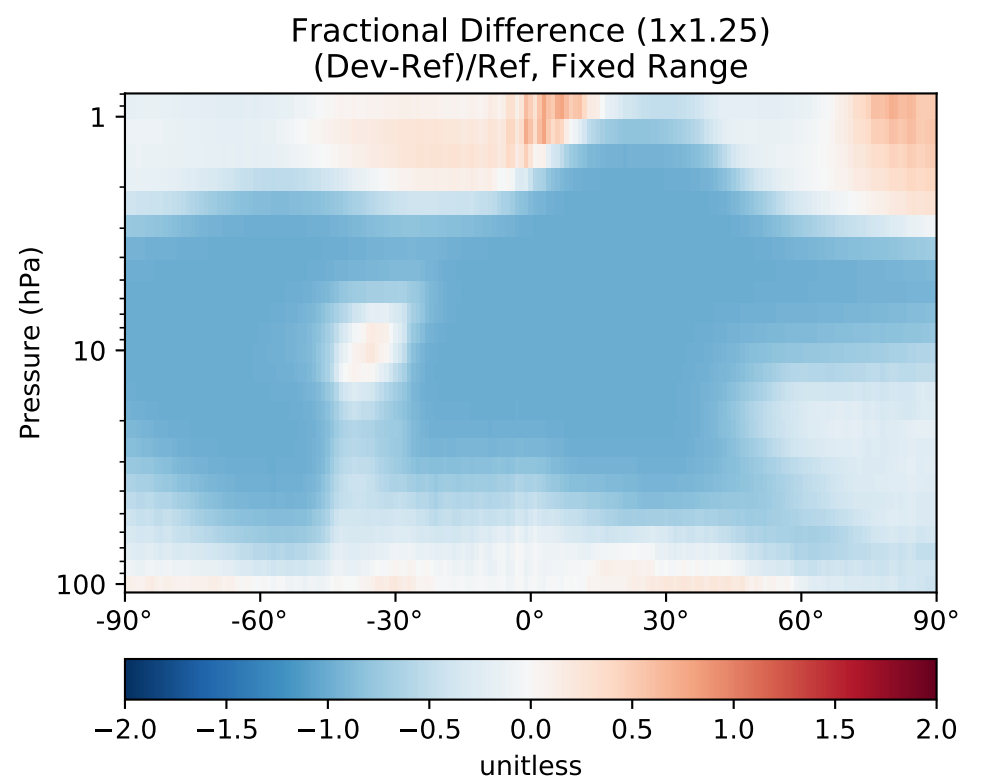
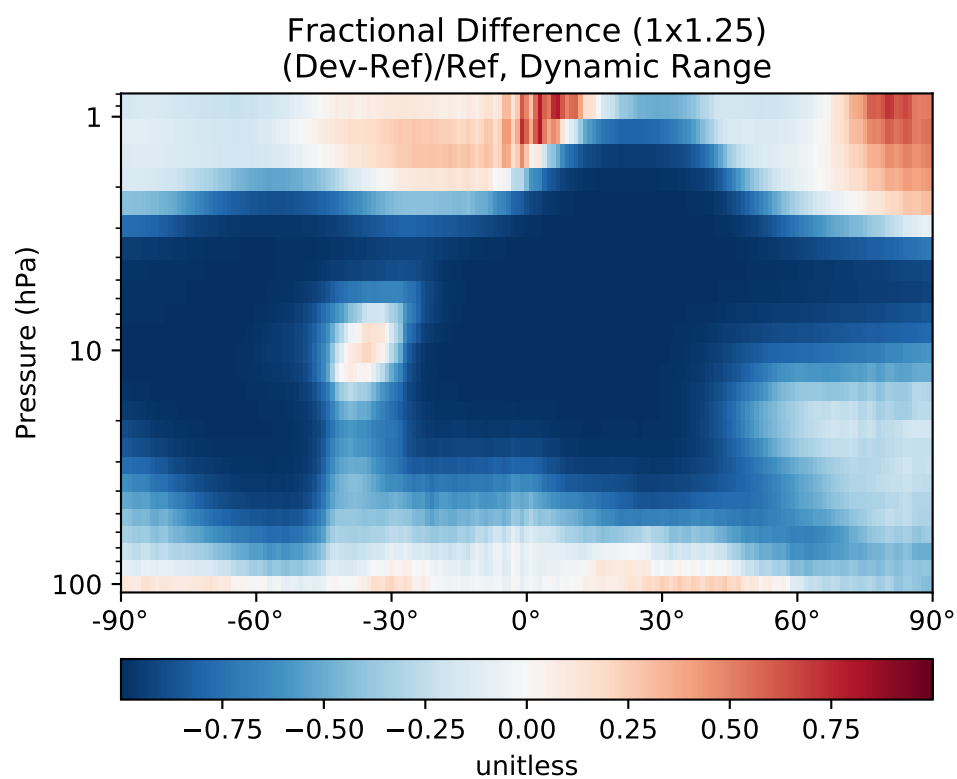
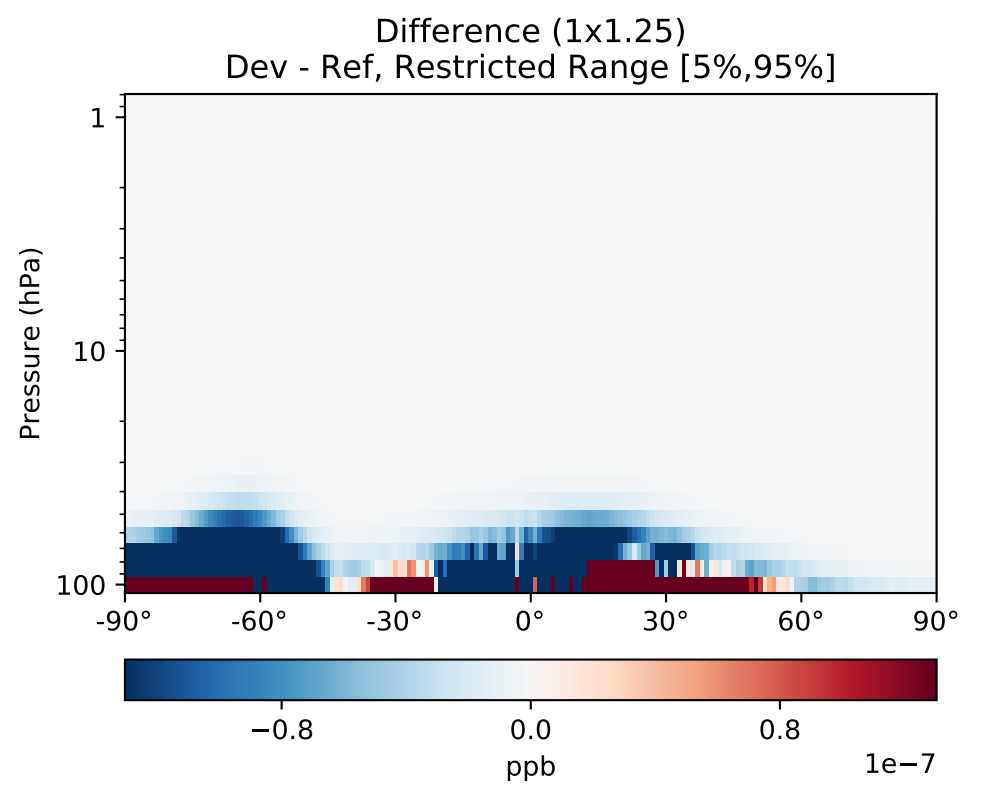
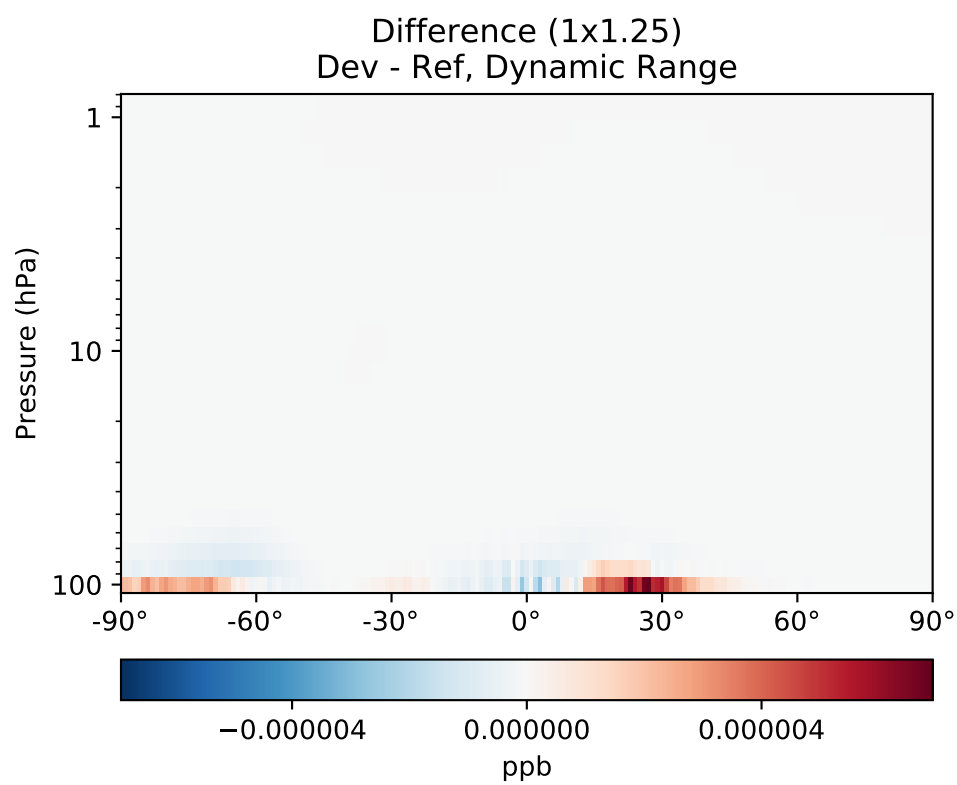
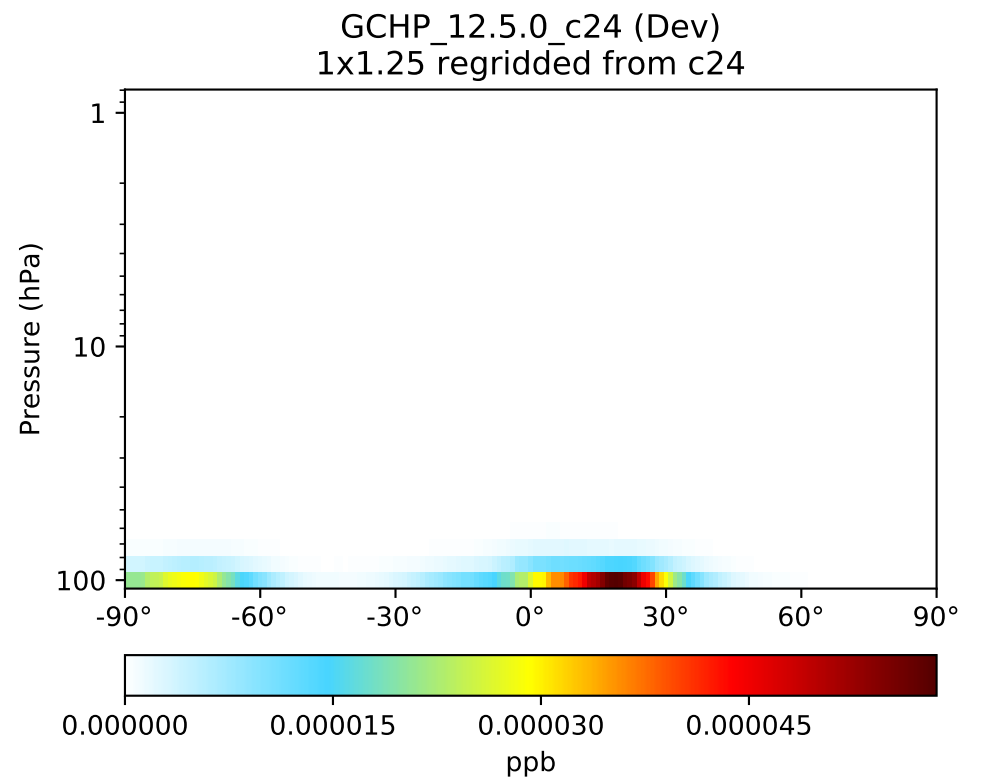
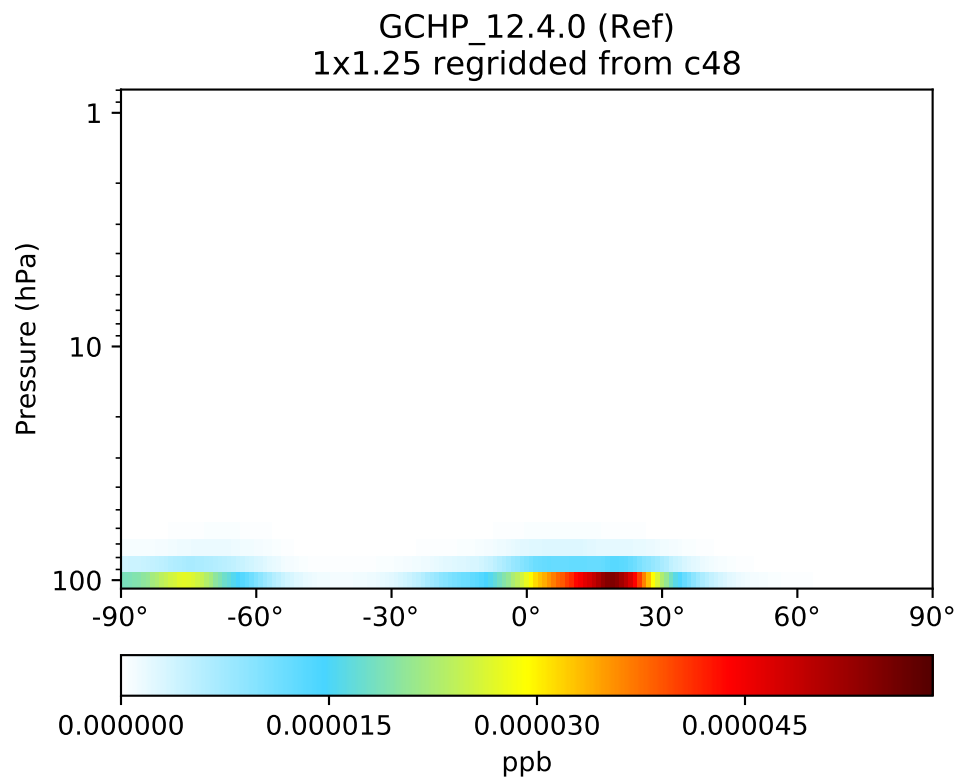
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

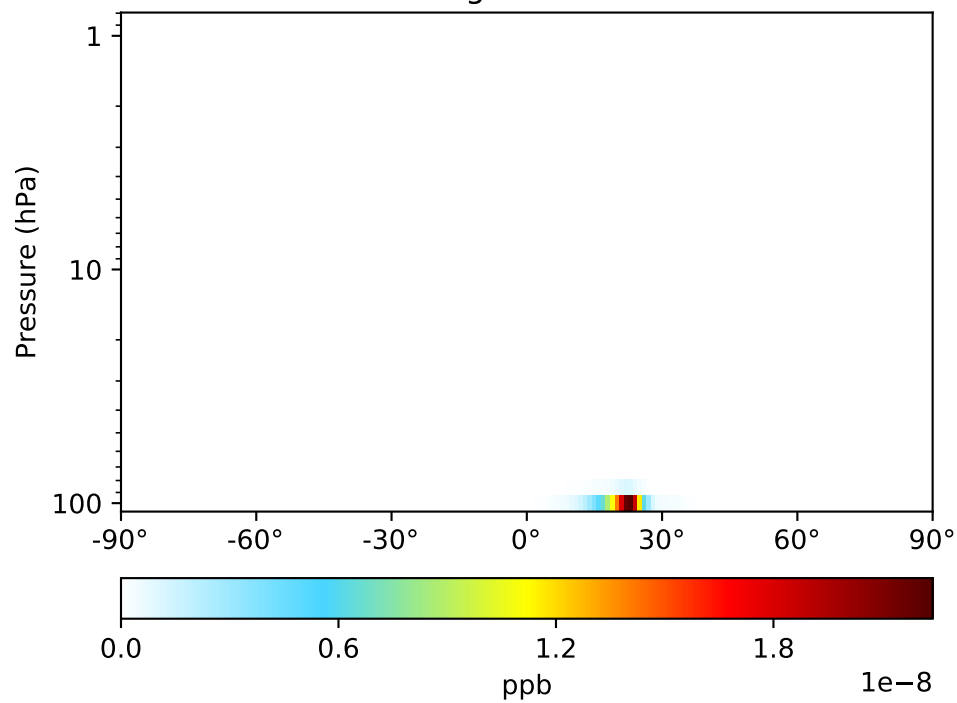


# SpeciesConc\_SALC, Zonal Mean

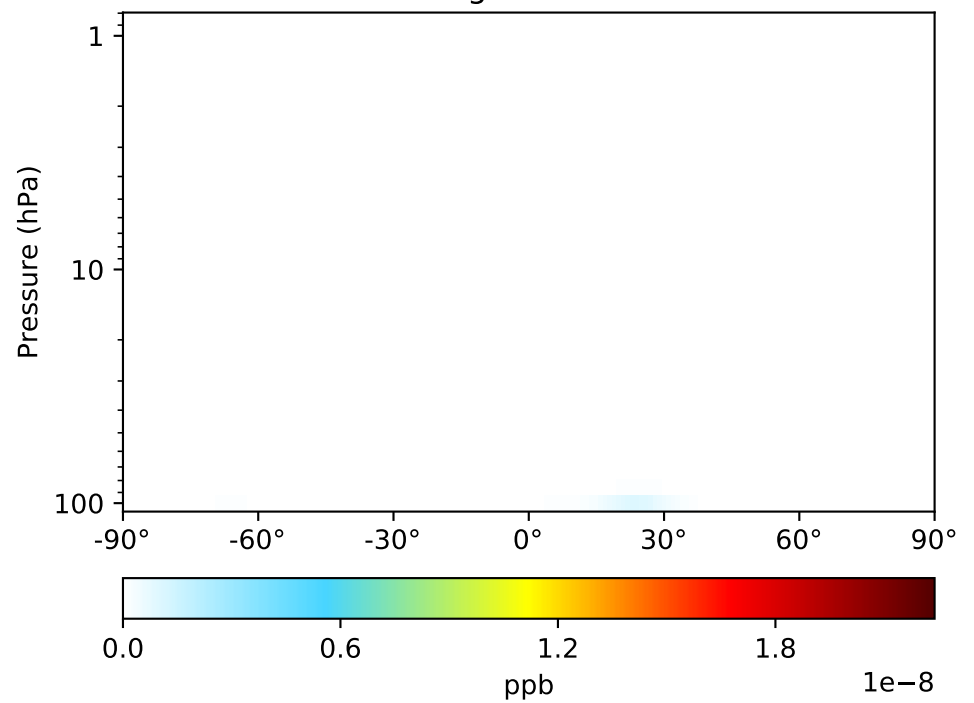


# SpeciesConc\_SO4s, Zonal Mean

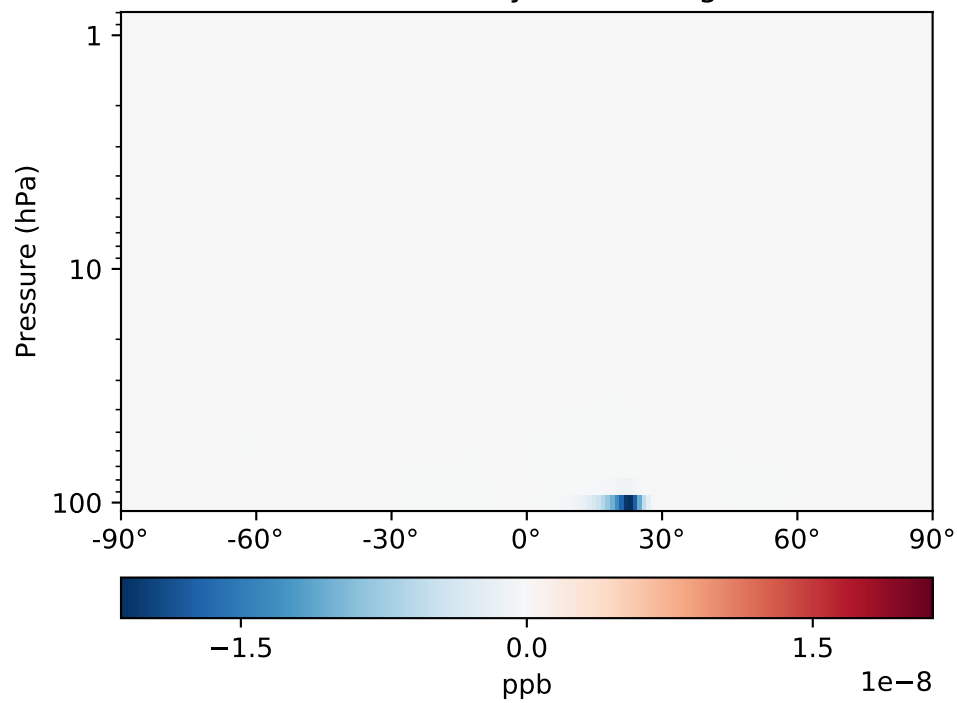
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



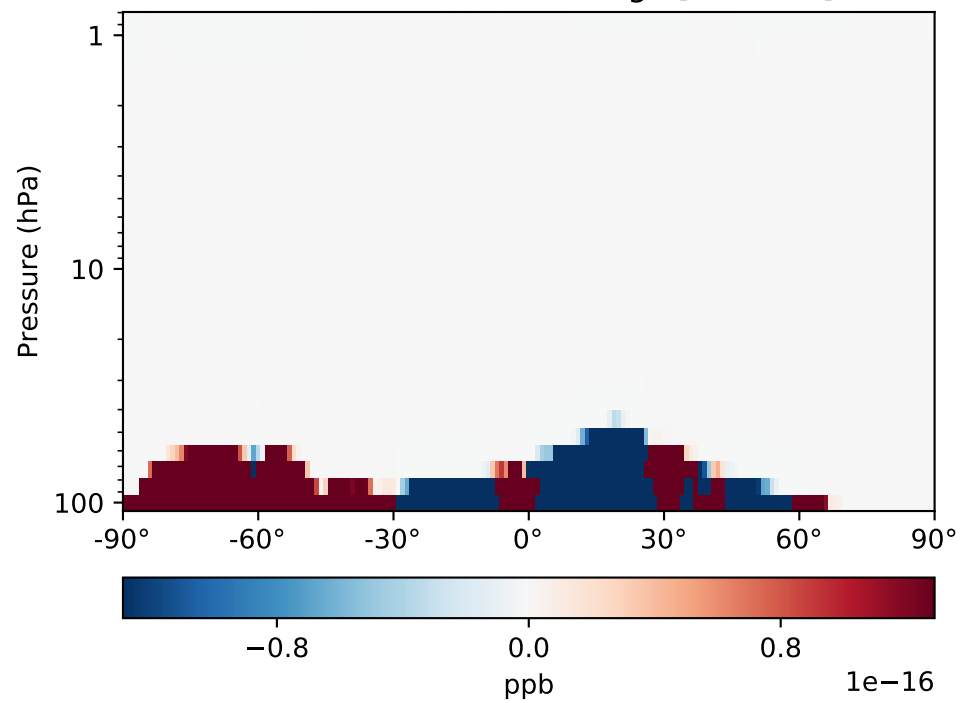
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



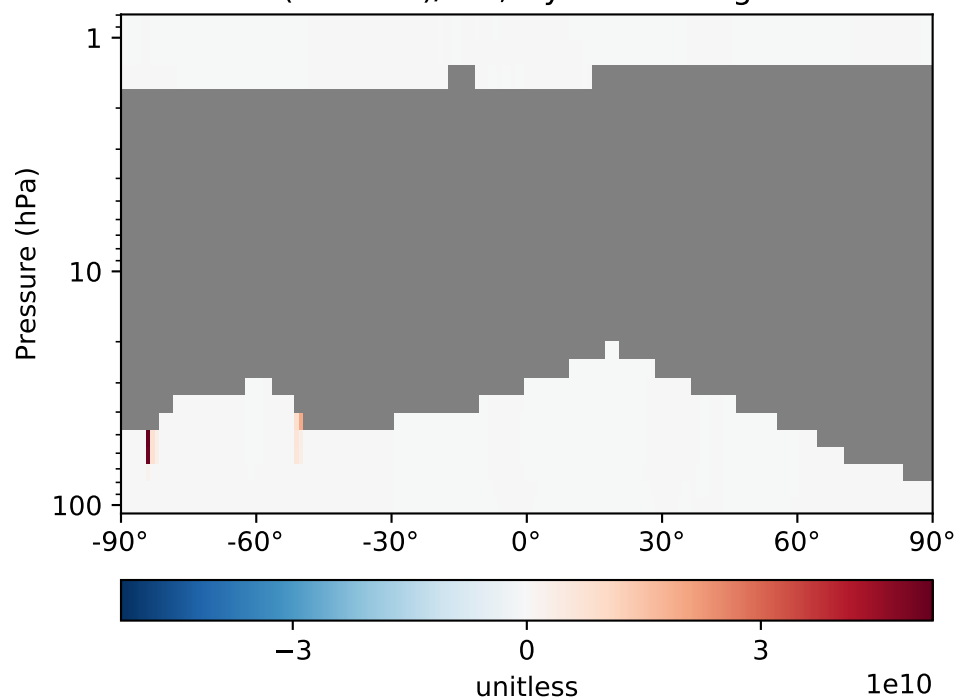
Difference (1x1.25)  
Dev - Ref, Dynamic Range



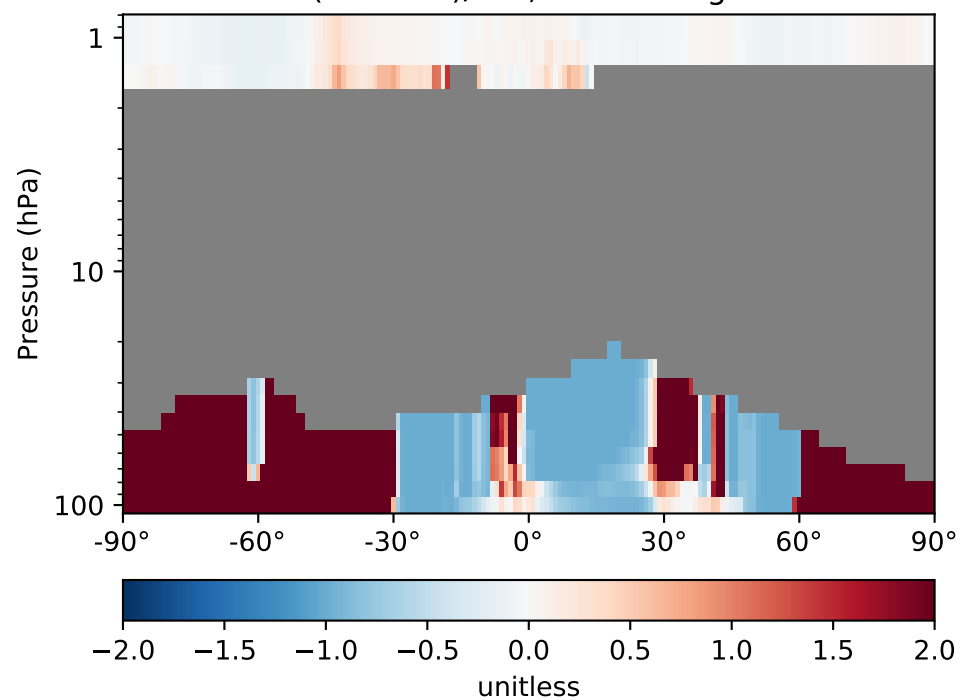
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



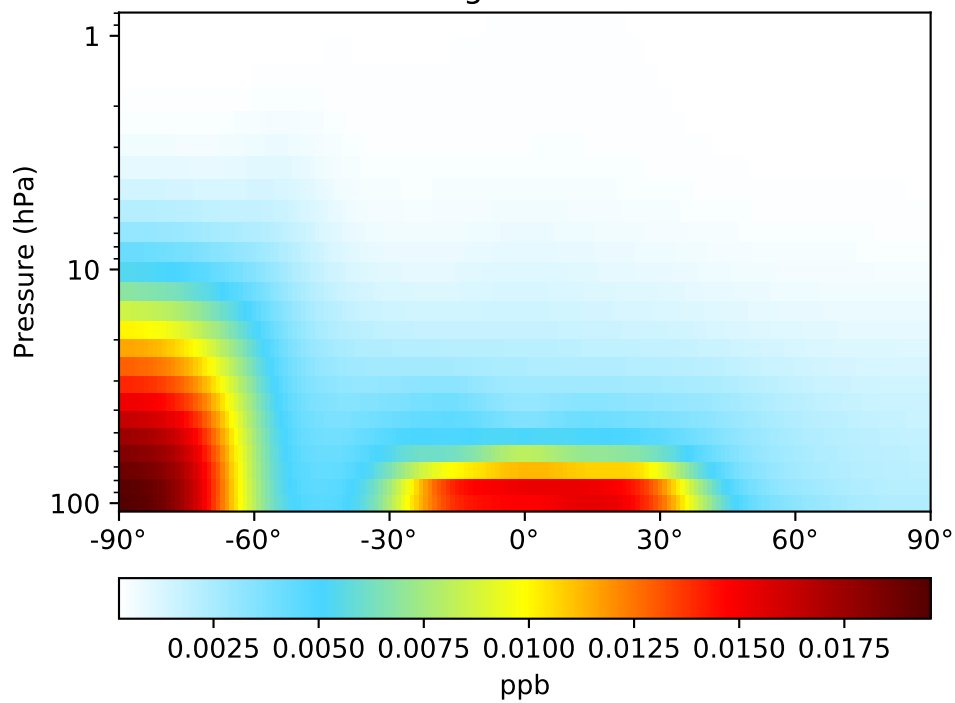
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



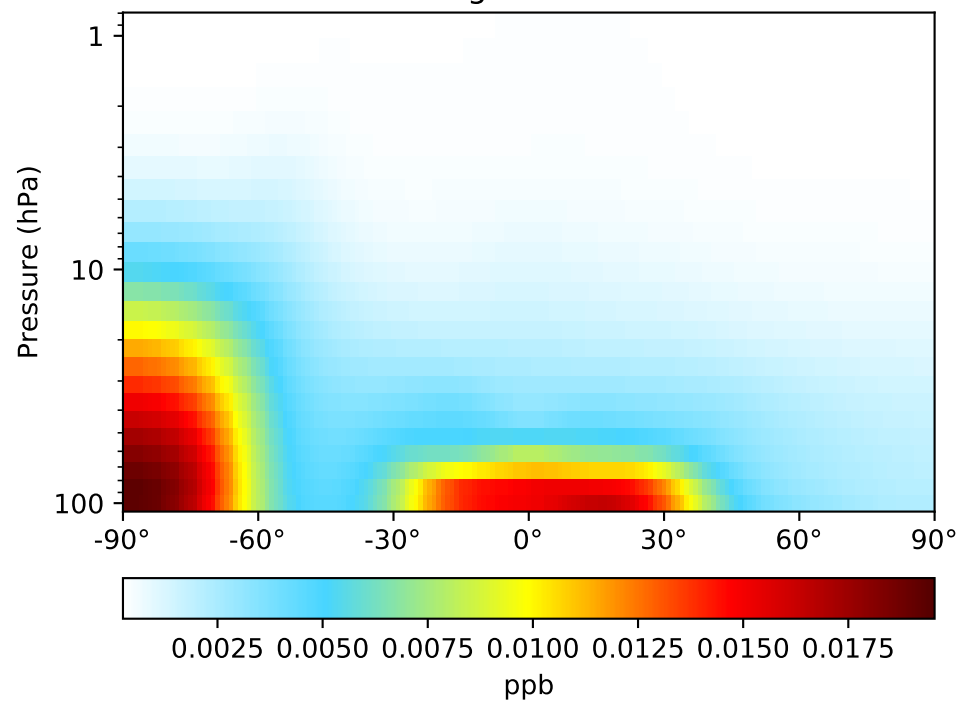


# SpeciesConc\_Complex\_SOA, Zonal Mean

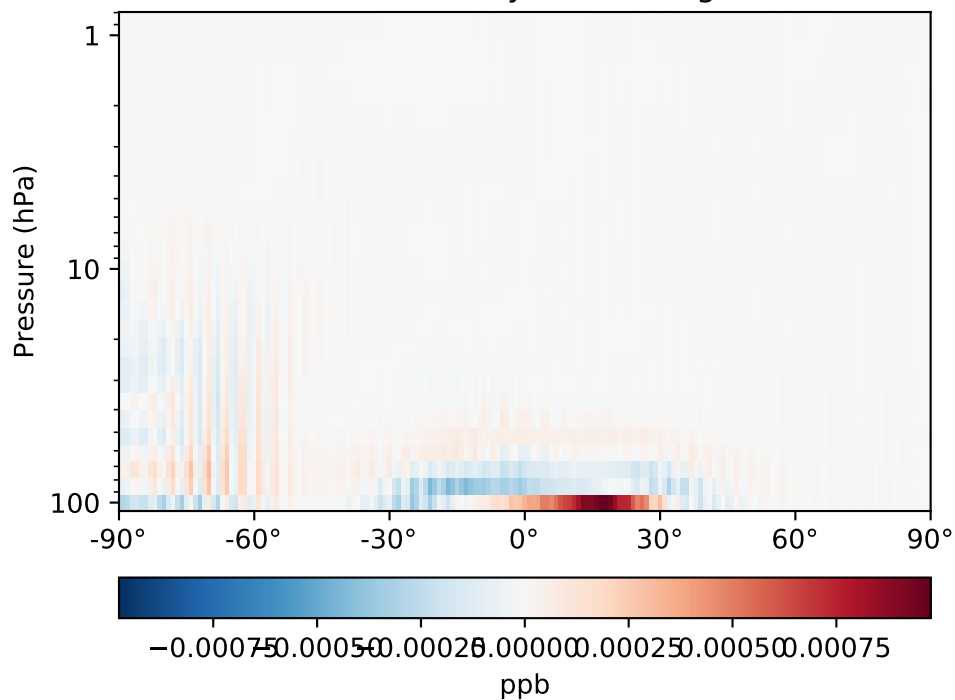
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



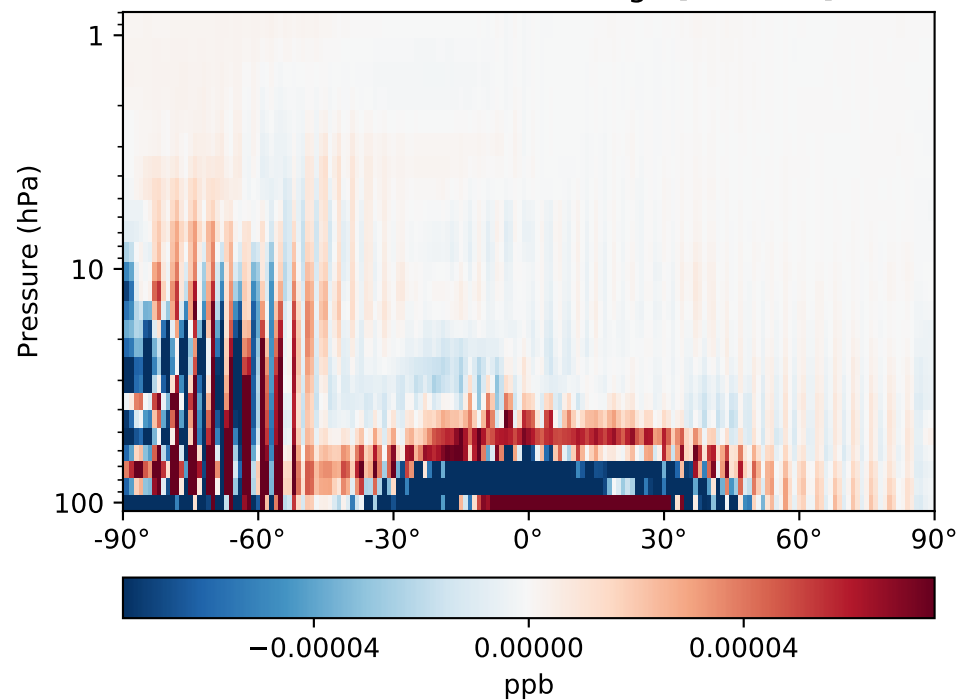
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



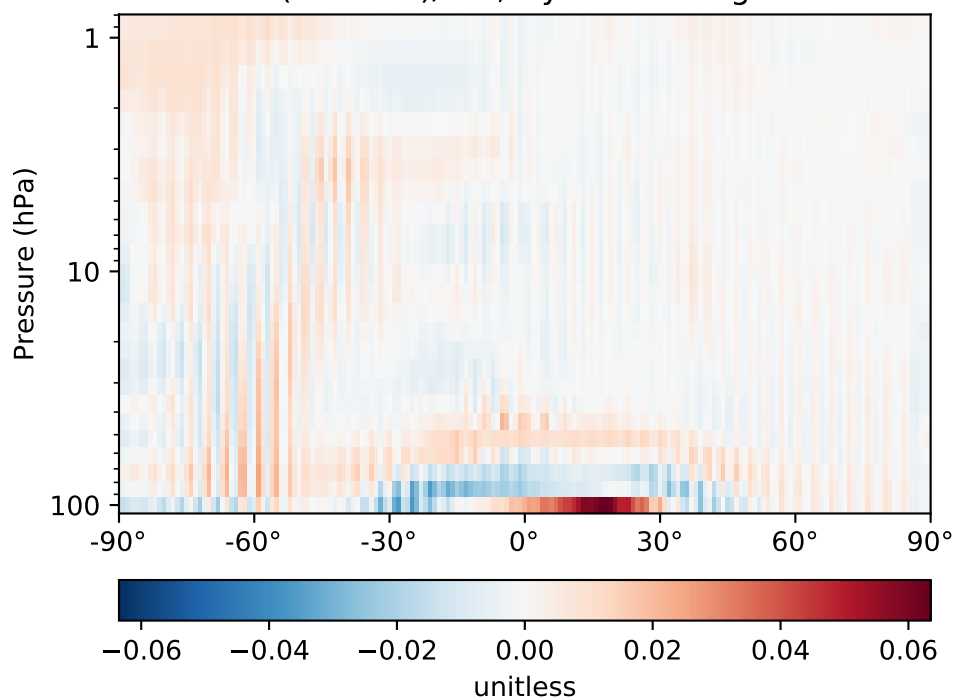
Difference (1x1.25)  
Dev - Ref, Dynamic Range



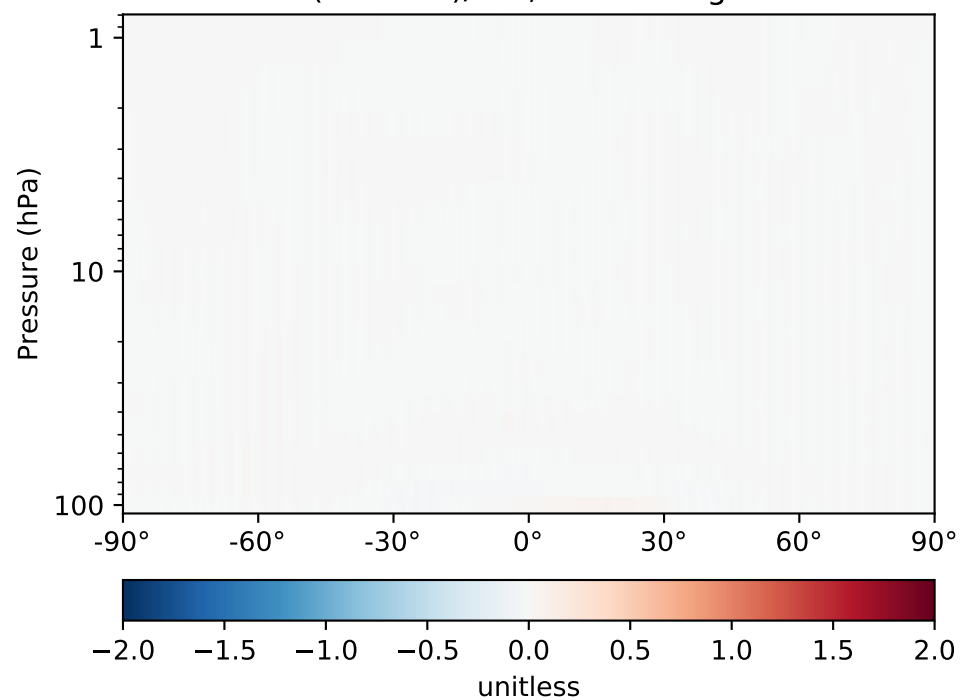
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range

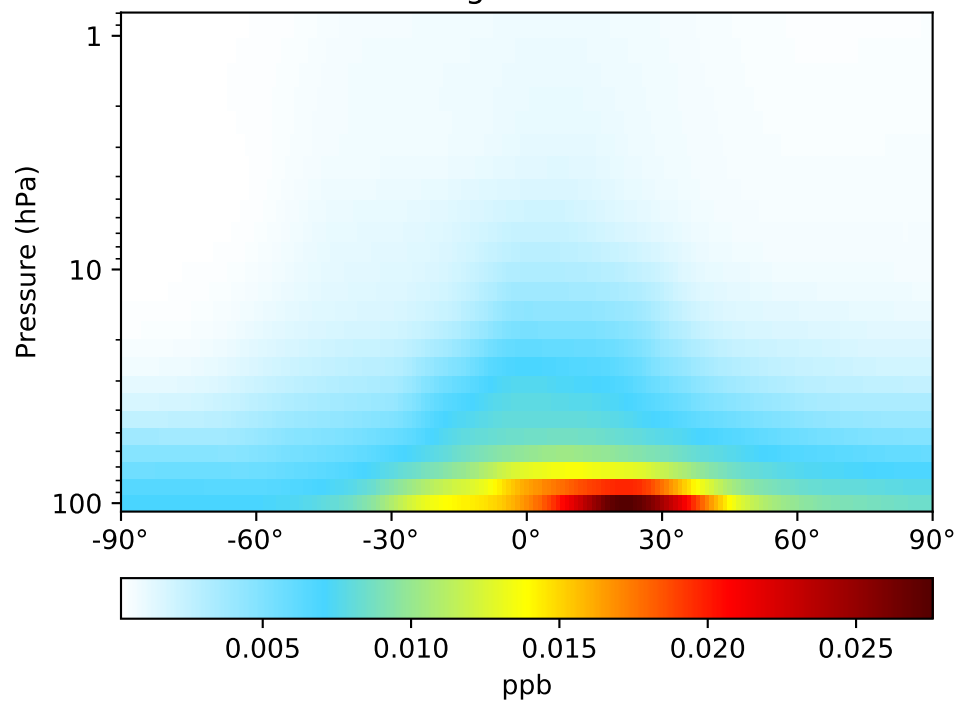


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

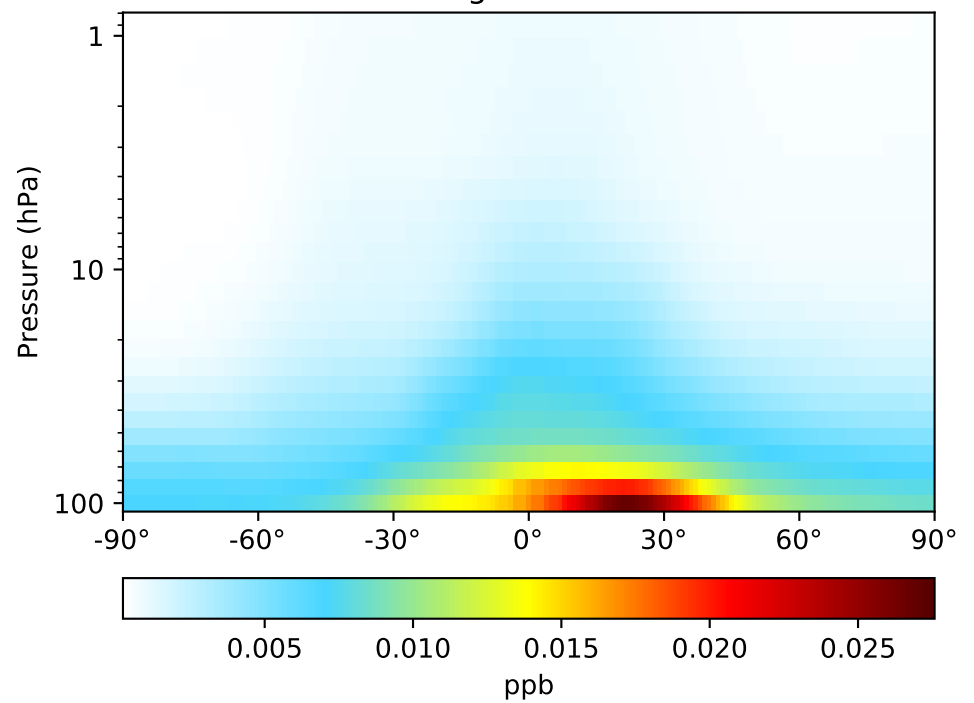


# SpeciesConc\_Simple\_SOA, Zonal Mean

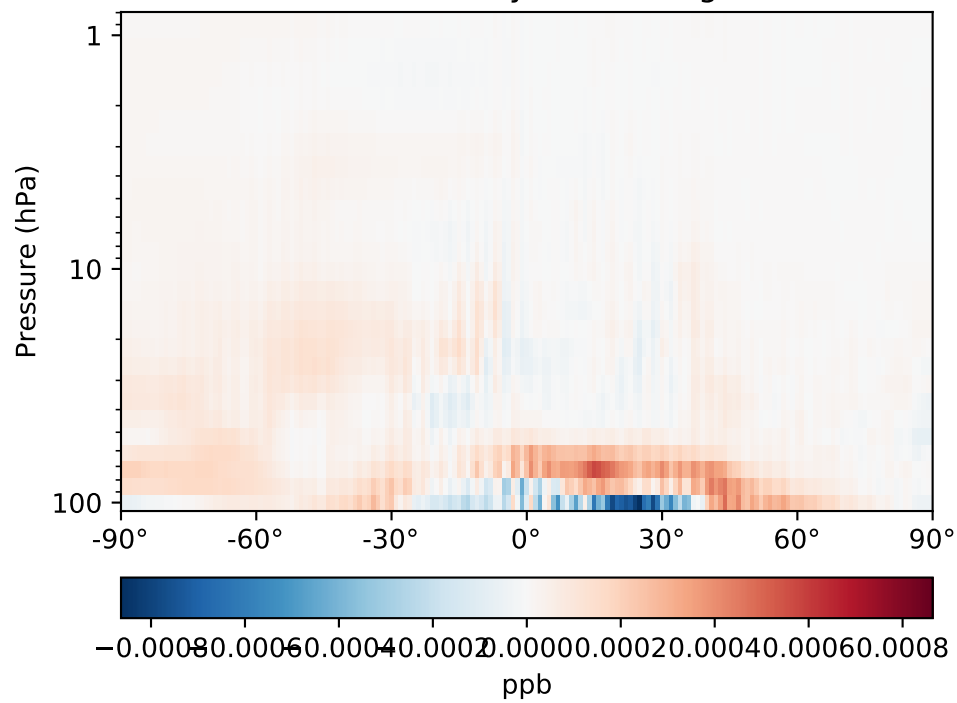
GCHP\_12.4.0 (Ref)  
1x1.25 regrided from c48



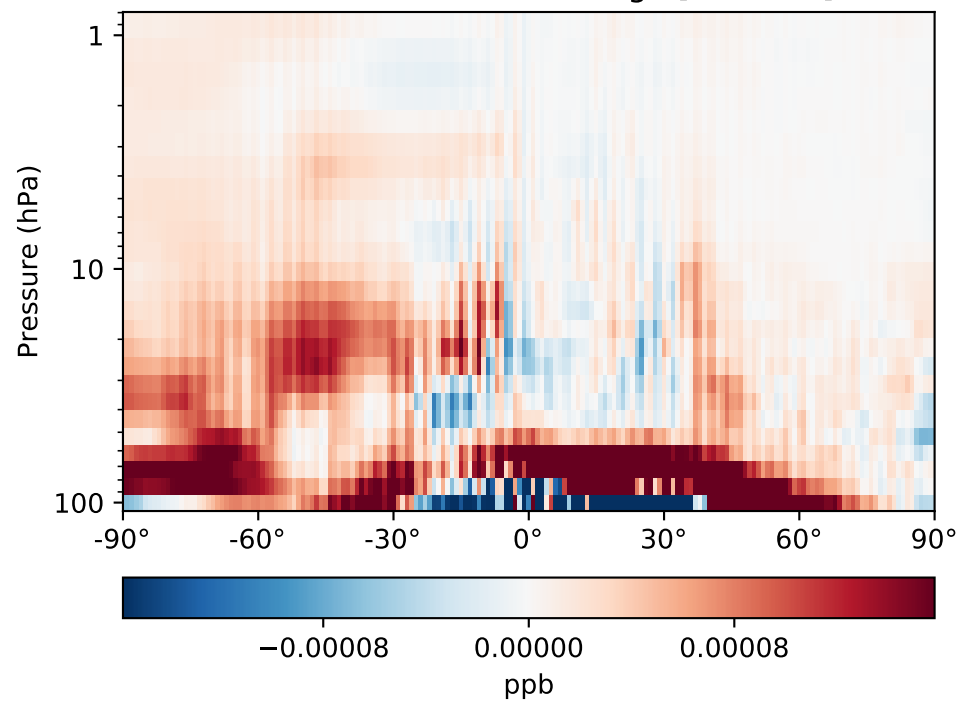
GCHP\_12.5.0\_c24 (Dev)  
1x1.25 regrided from c24



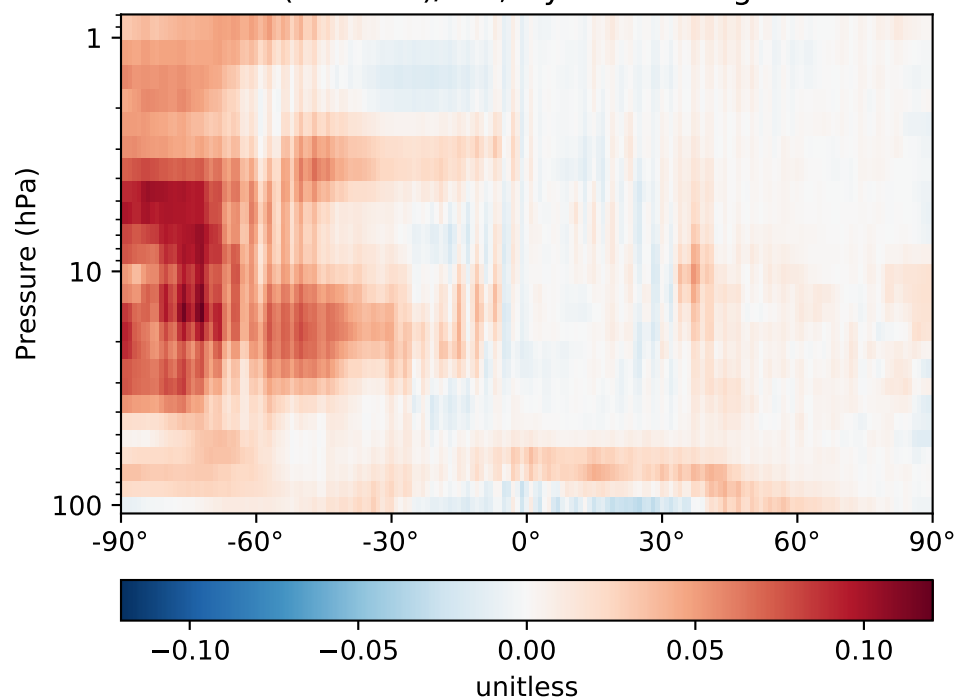
Difference (1x1.25)  
Dev - Ref, Dynamic Range



Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

