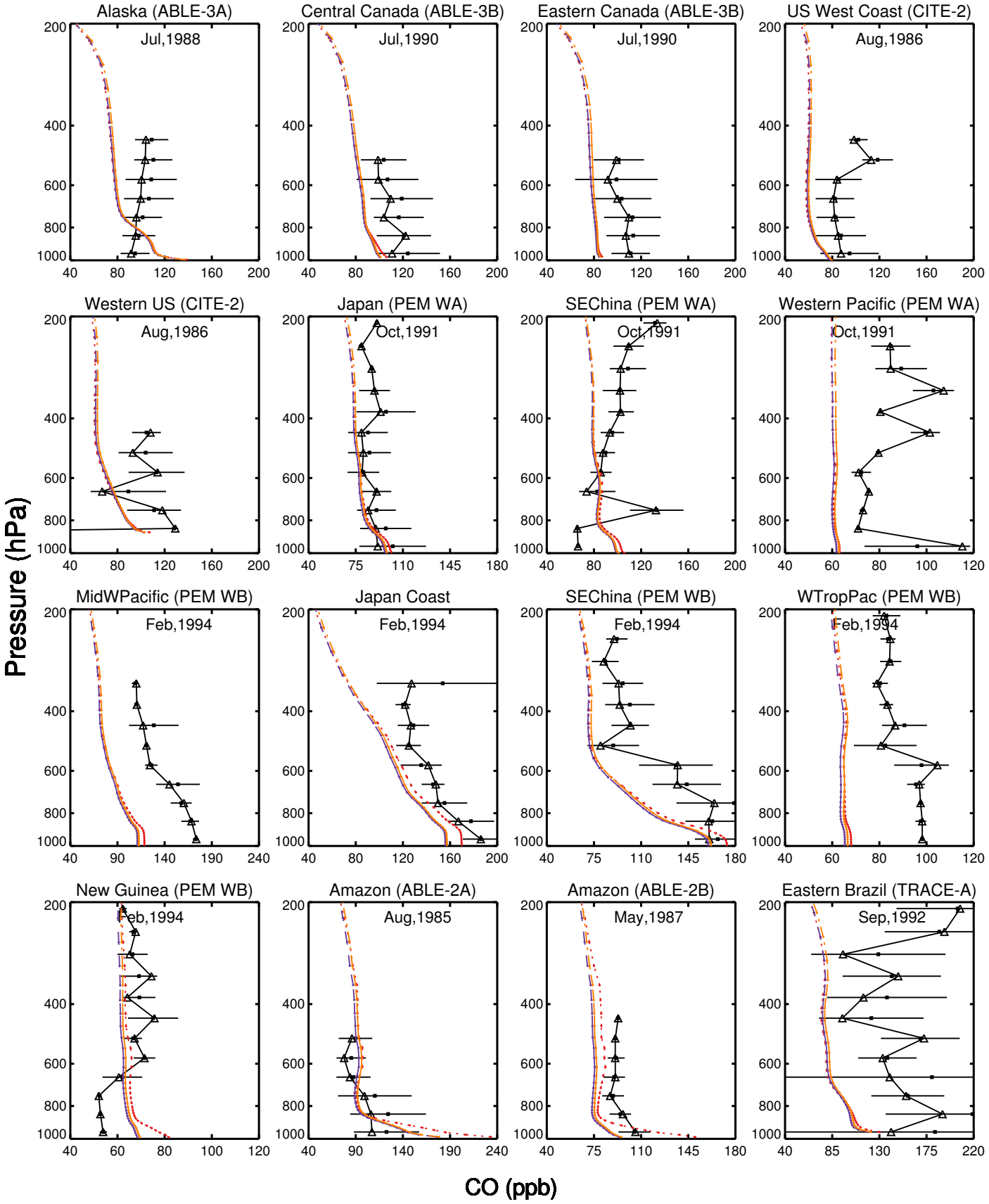
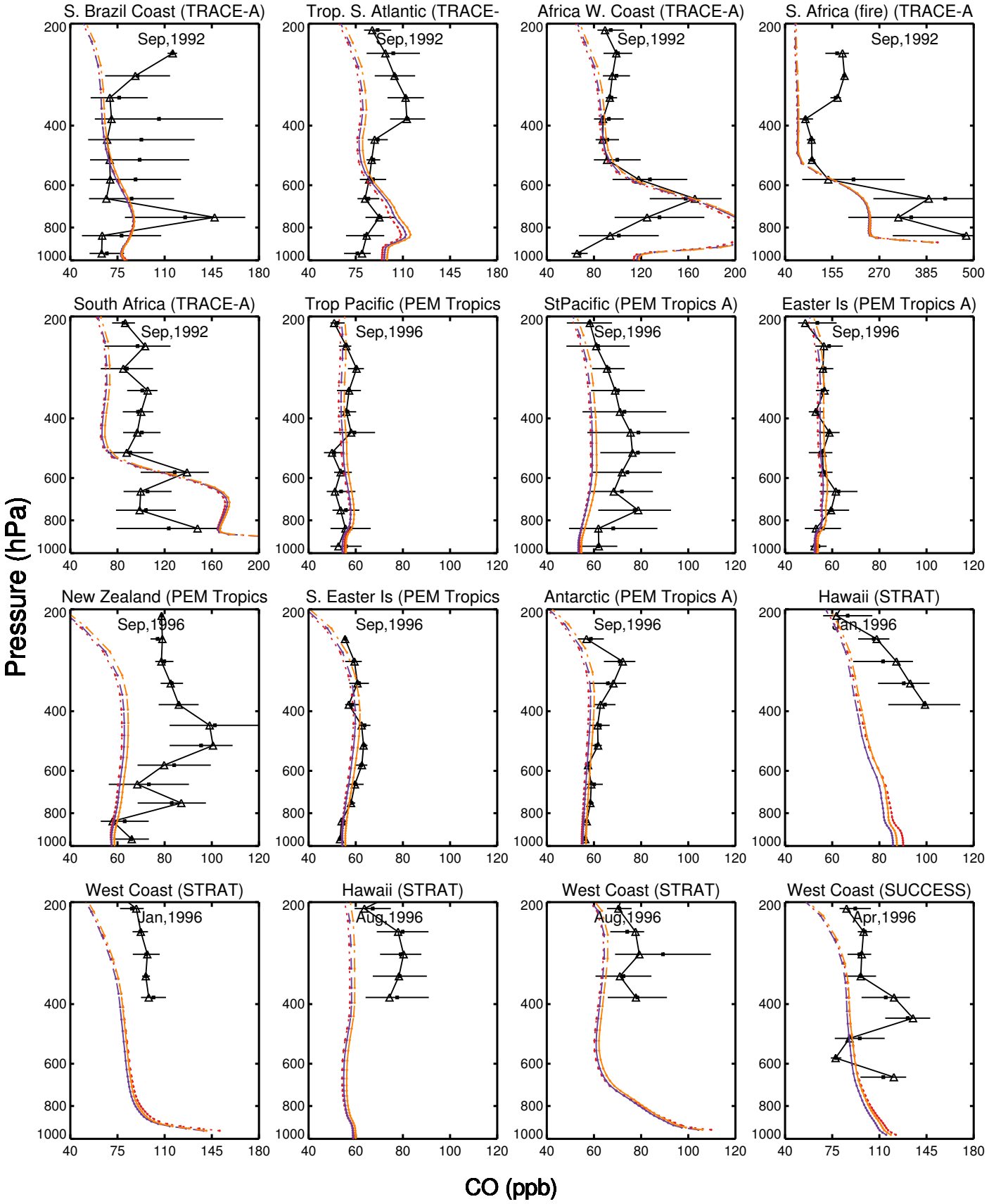
Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)



Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)



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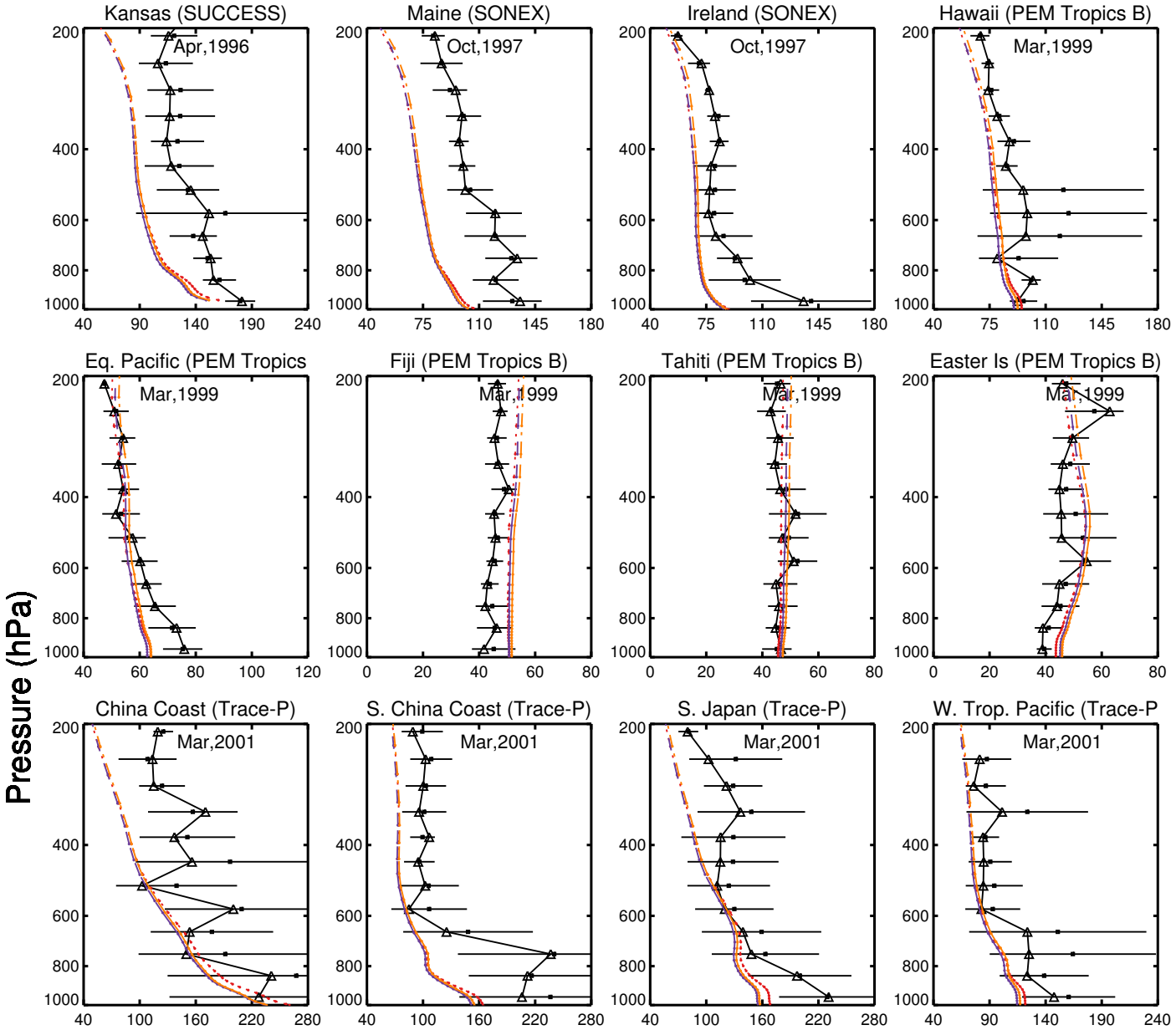
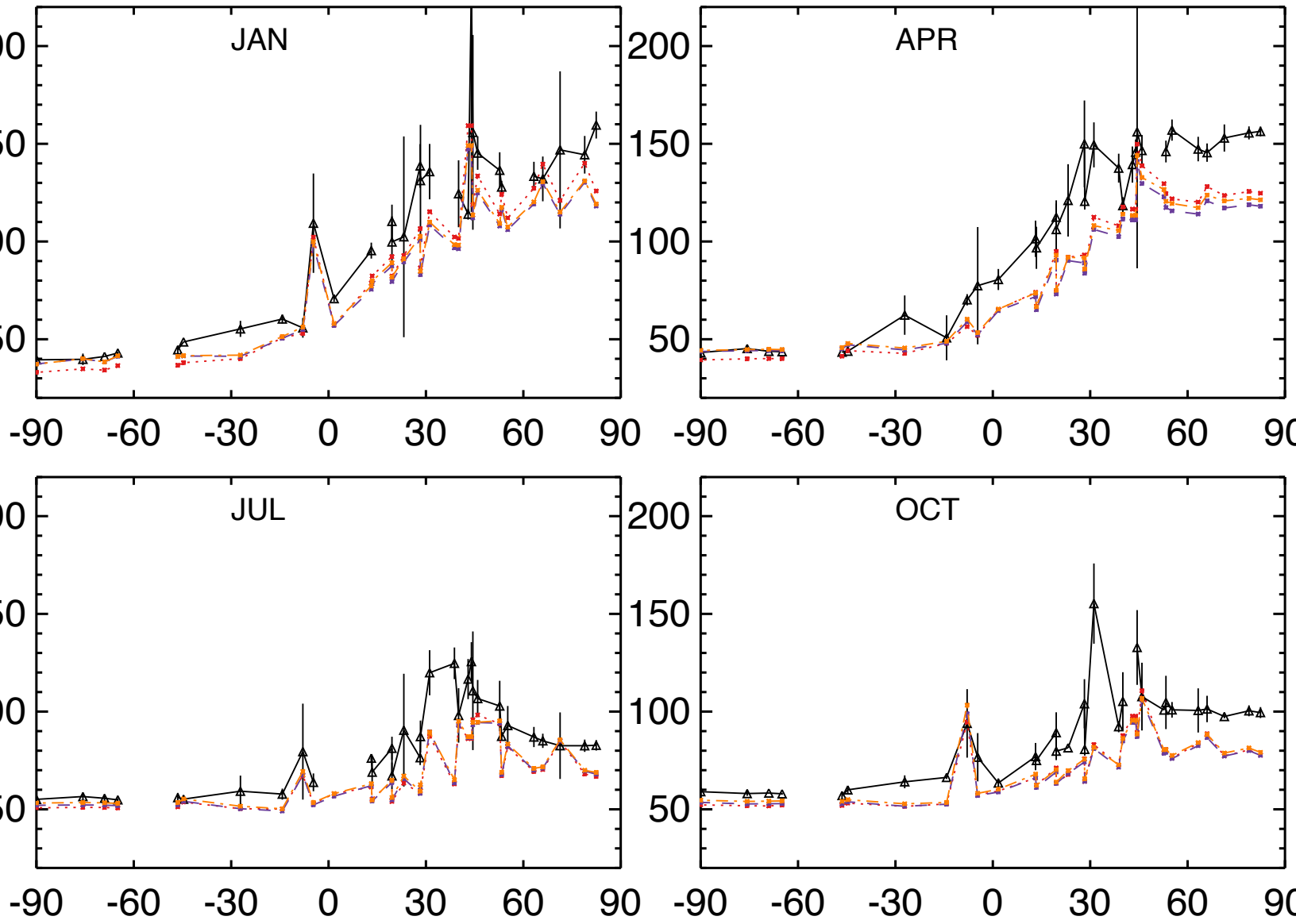


jaf574 output/CO.aircraft.profile.geos.full_chemistry.ps, 07/01/2017 14:42

Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)



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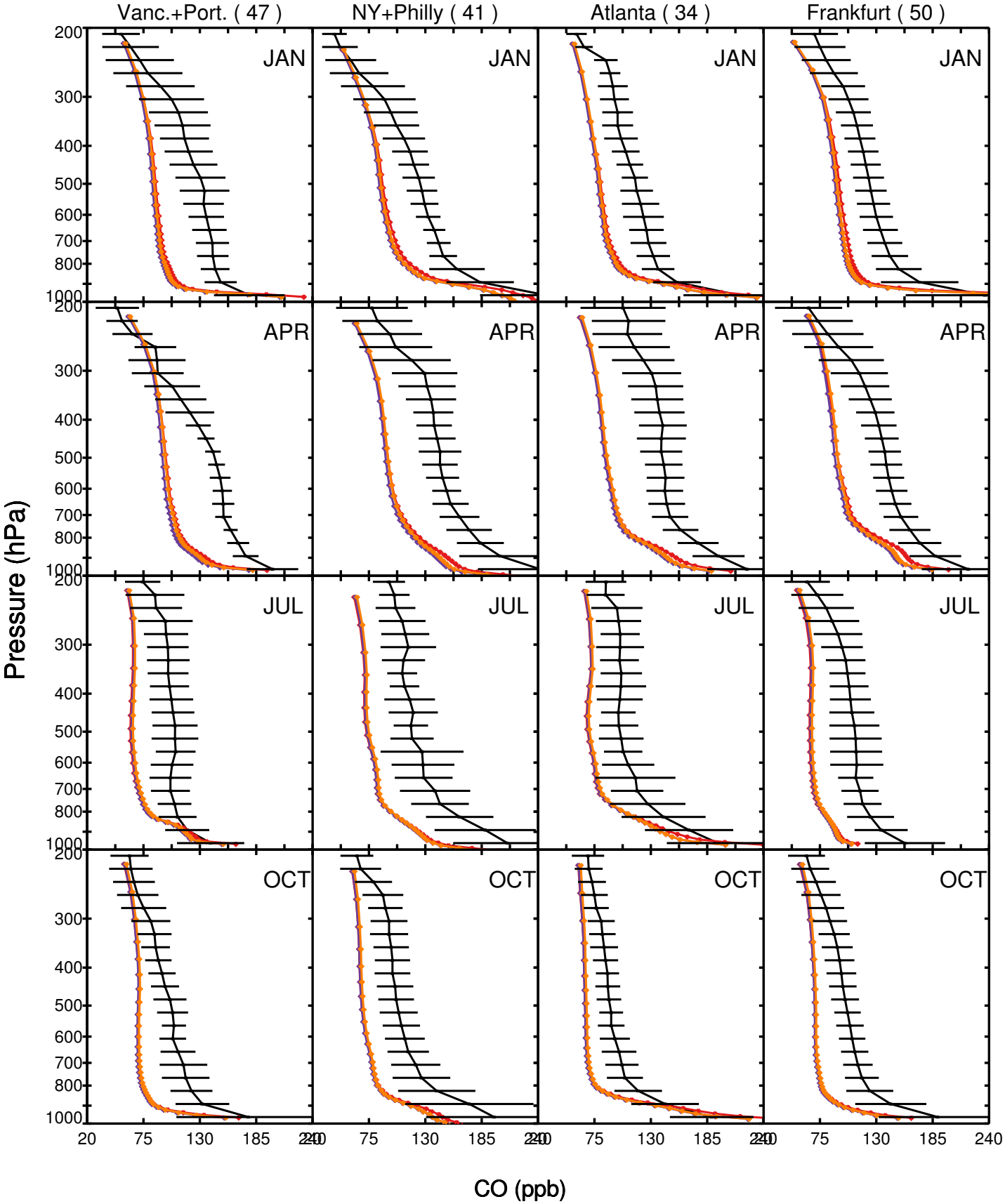

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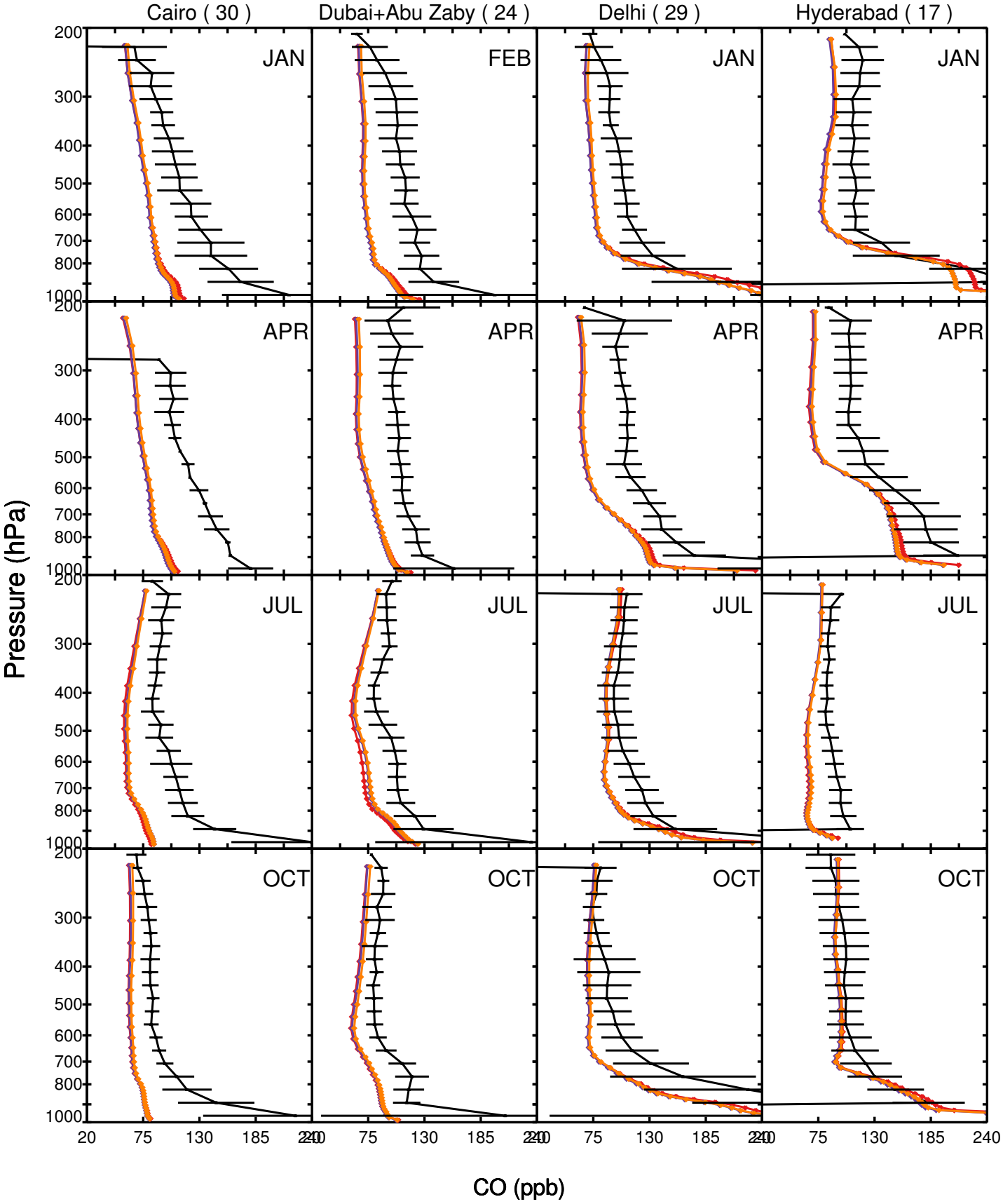

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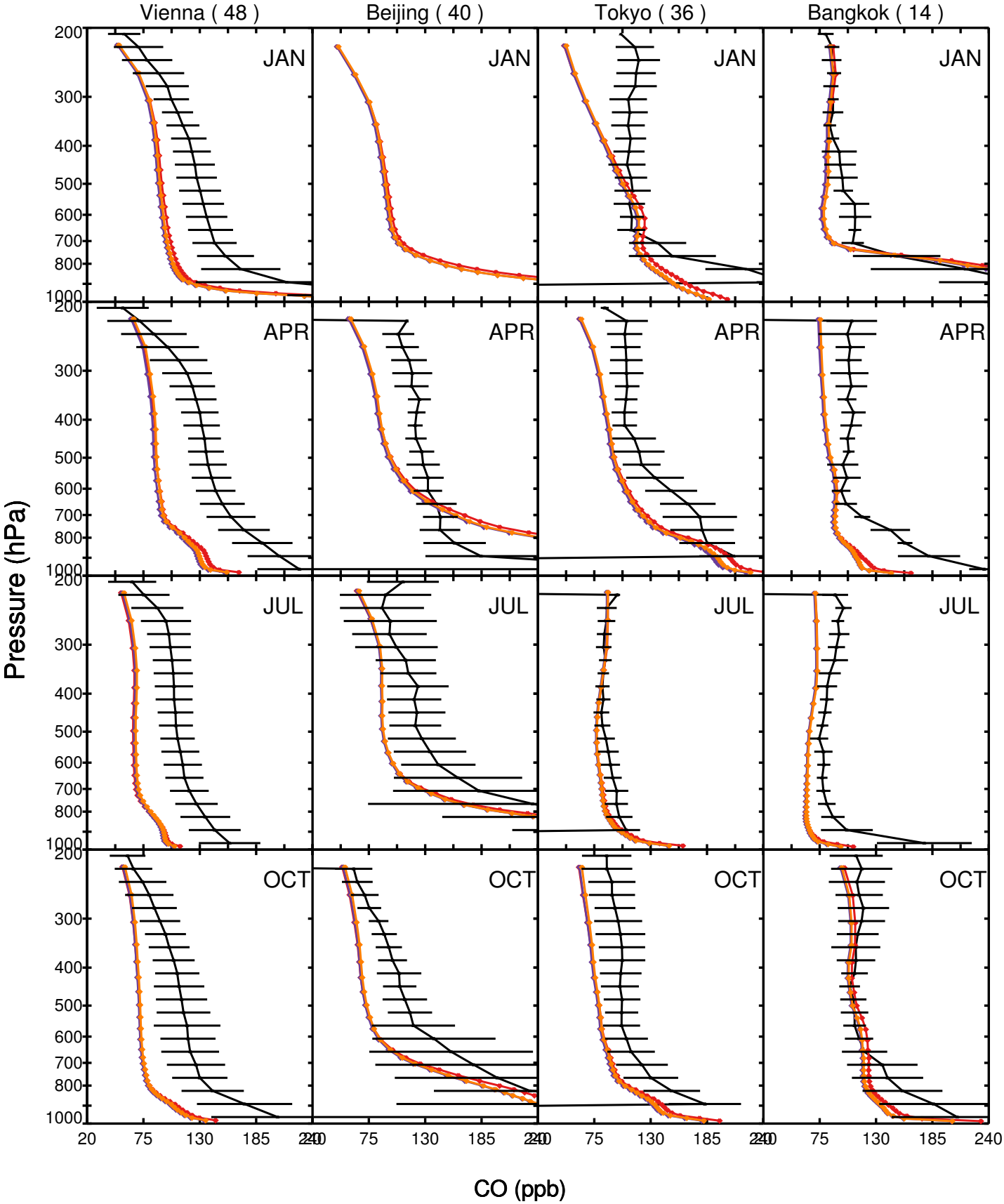
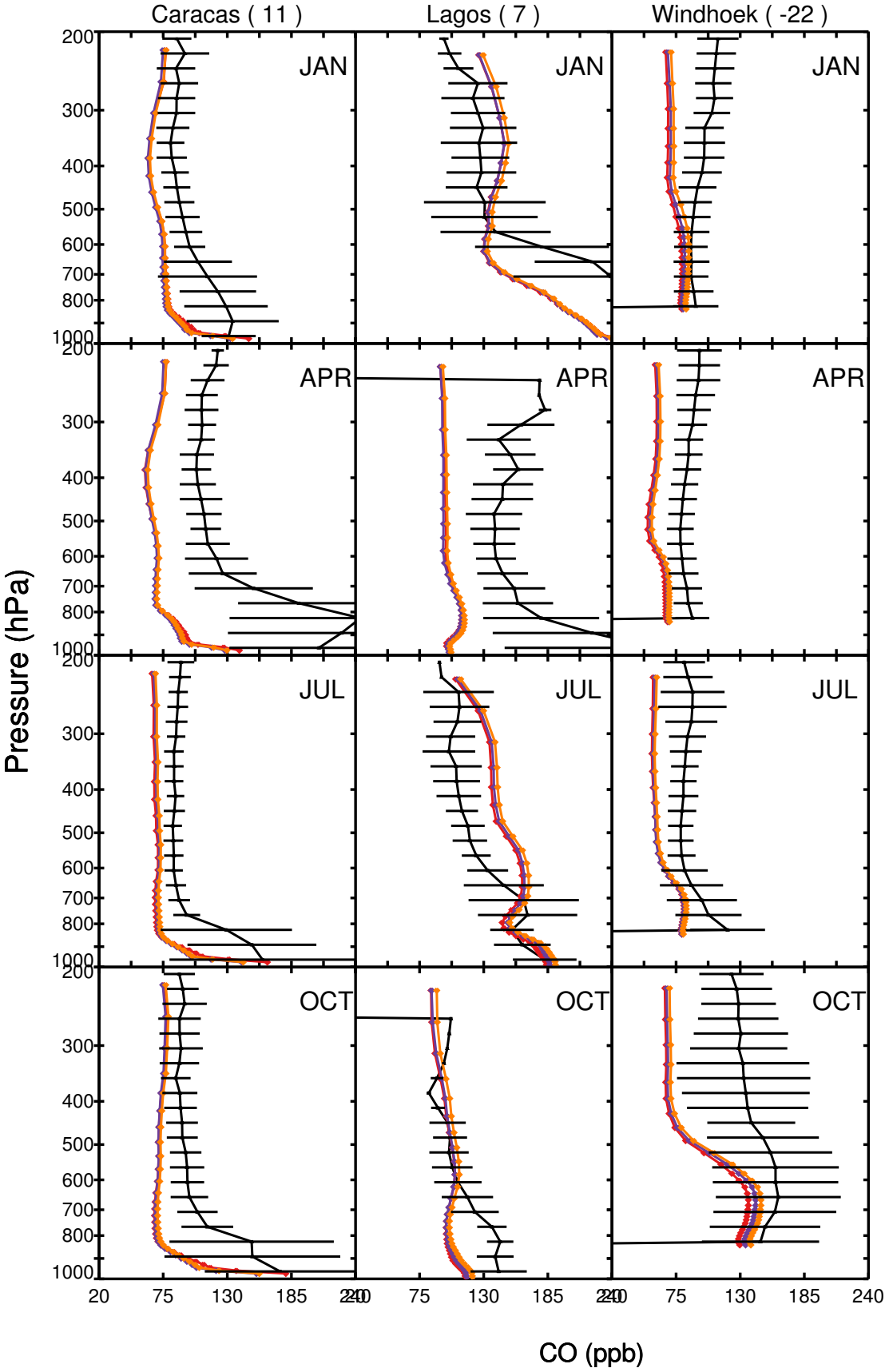


Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)



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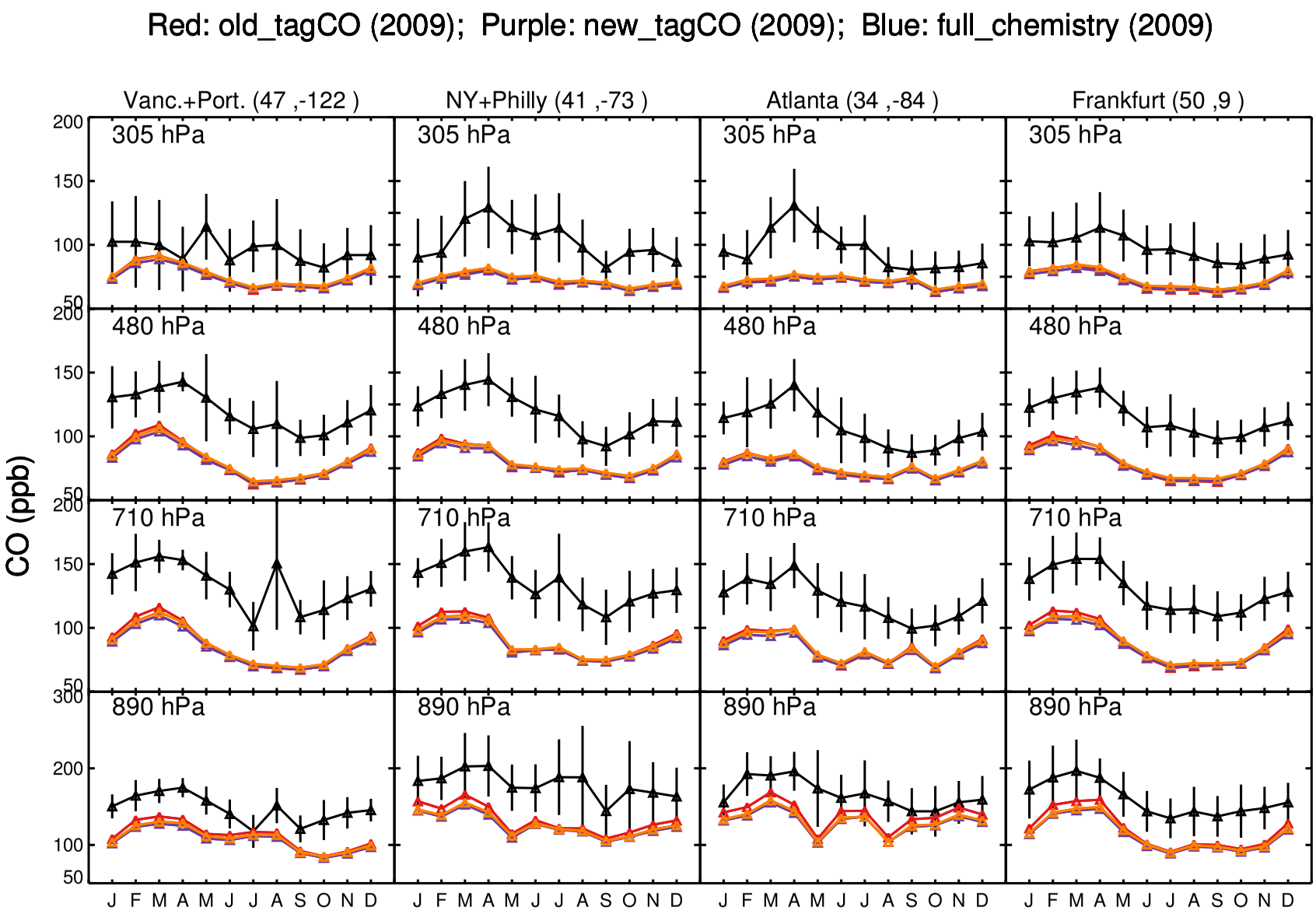
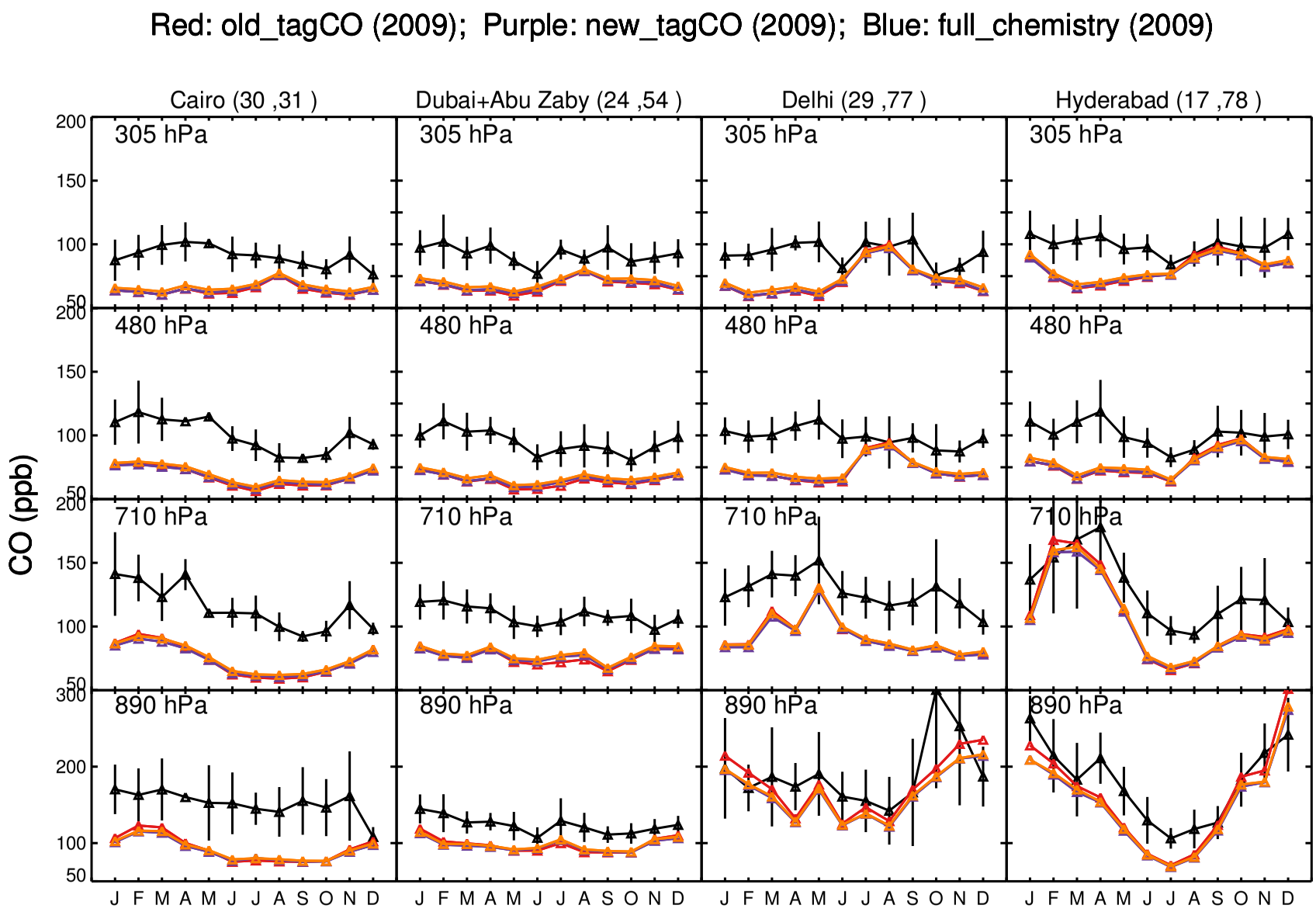
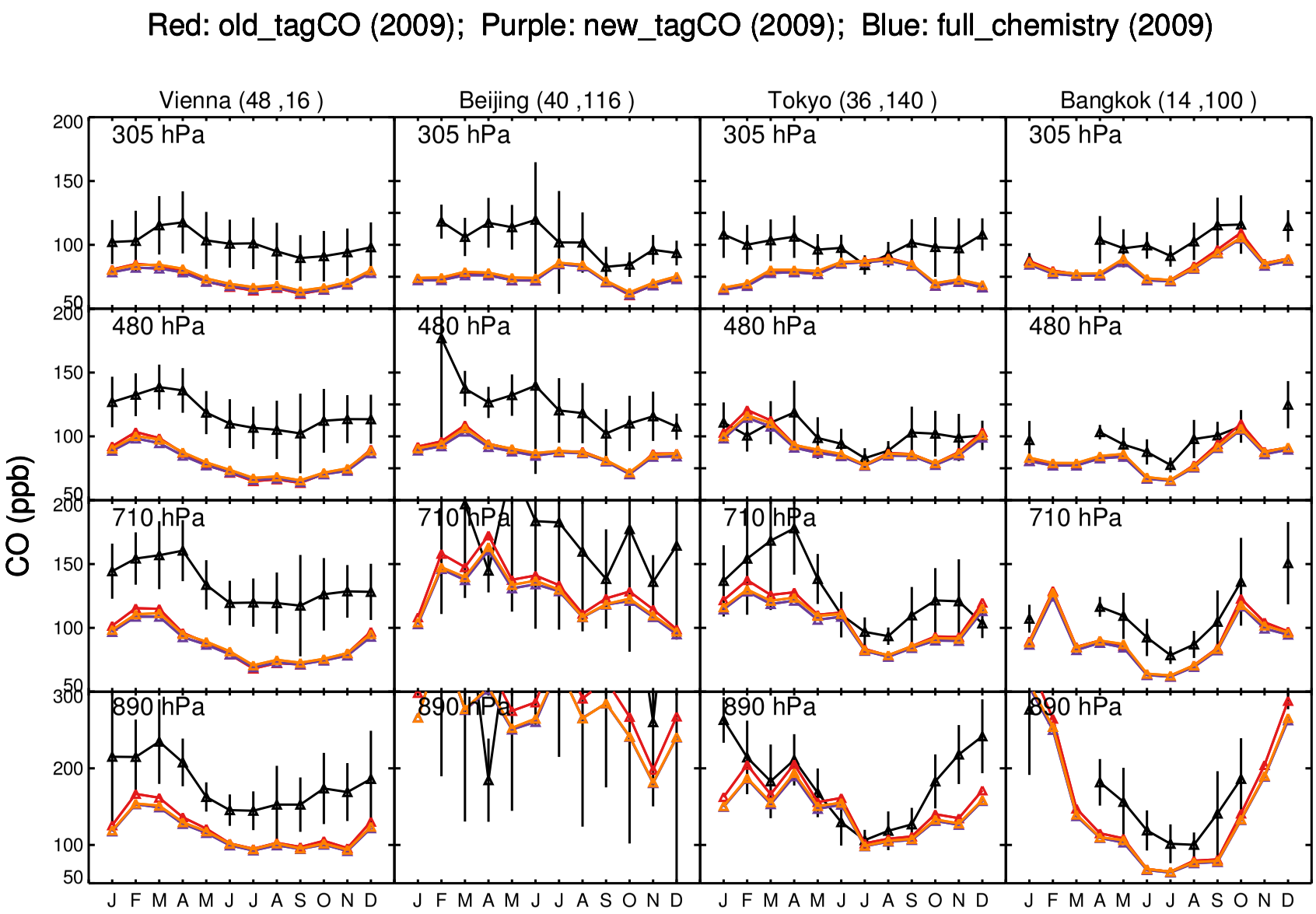
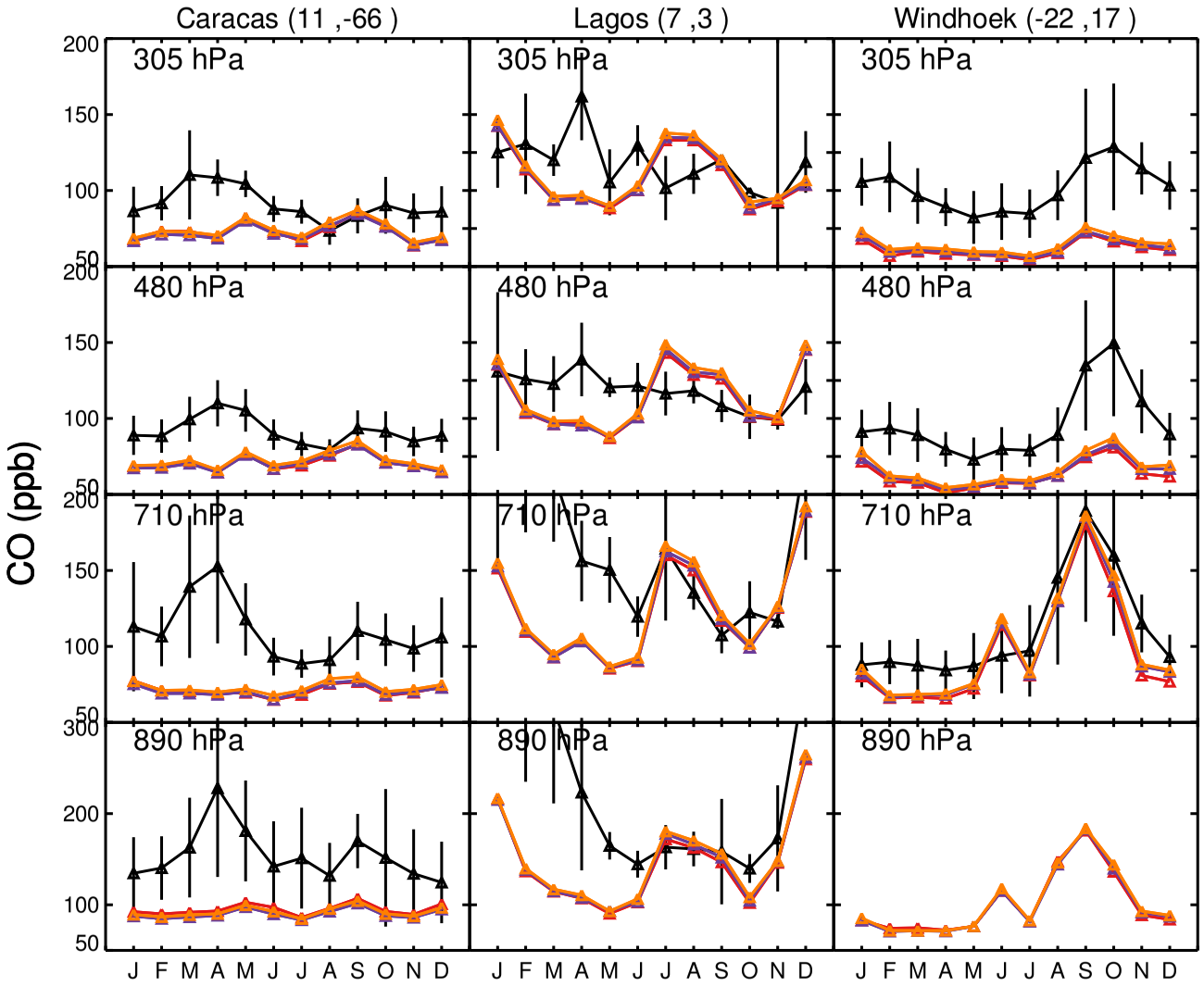

Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)
Vanc.+Port. (47 ,-122)
NY+Philly (41 ,-73)
Atlanta (34 ,-84)
Frankfurt (50 ,9)
305 hPa
480 hPa
710 hPa
890 hPa
CO (ppb)
J F M A M J J A S O N D


Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)
Cairo (30 ,31)
Dubai+Abu Zaby (24 ,54)
Delhi (29 ,77)
Hyderabad (17 ,78)
305 hPa
480 hPa
710 hPa
890 hPa
CO (ppb)
J F M A M J J A S O N D


Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)
Vienna (48 ,16)
Beijing (40 ,116)
Tokyo (36 ,140)
Bangkok (14 ,100)
305 hPa
480 hPa
710 hPa
890 hPa
CO (ppb)
J F M A M J J A S O N D

Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)



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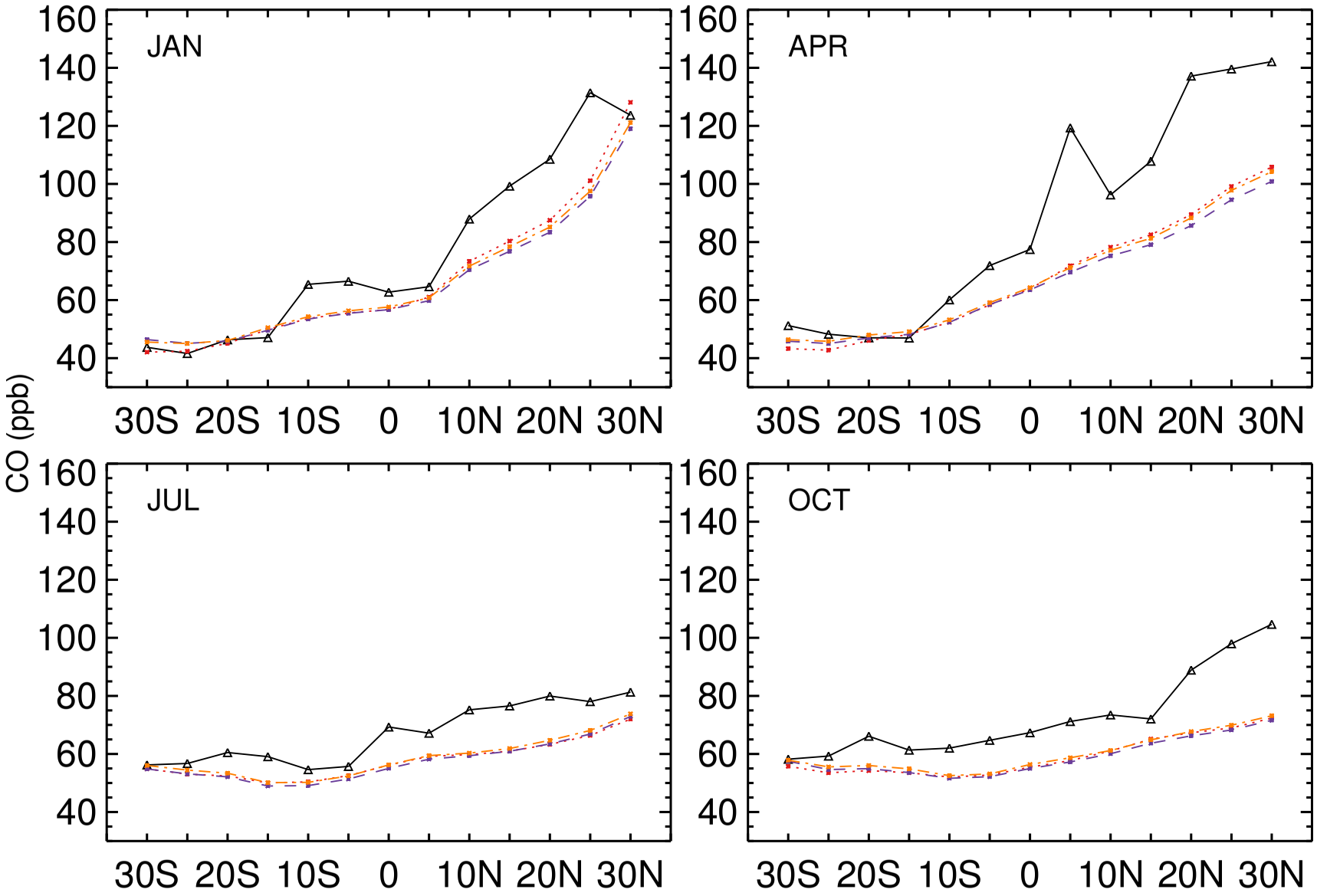
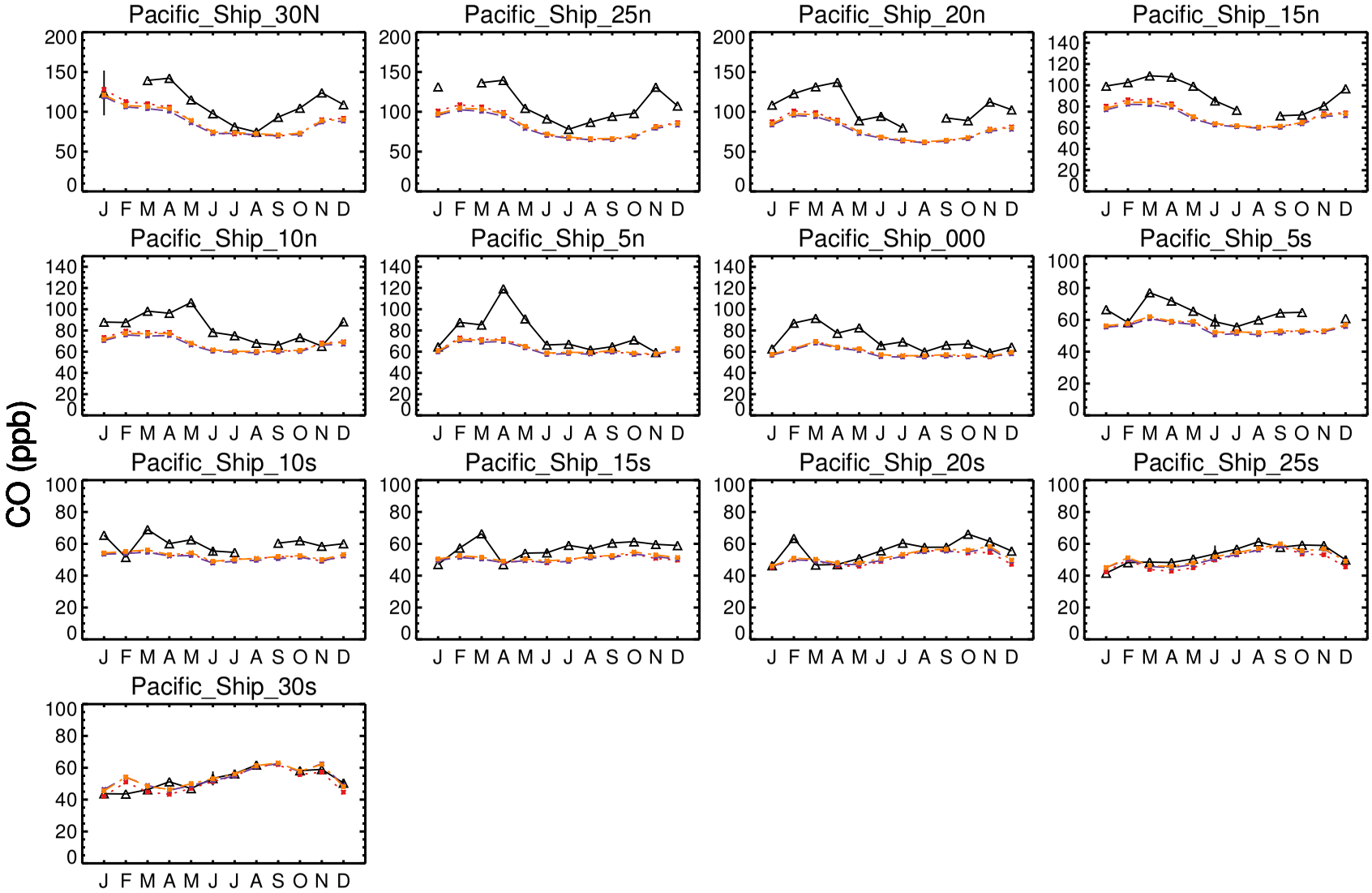


jaf574 output/CO.ships.geos.4.months.full_chemistry.ps, 07/01/2017 14:41

Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)



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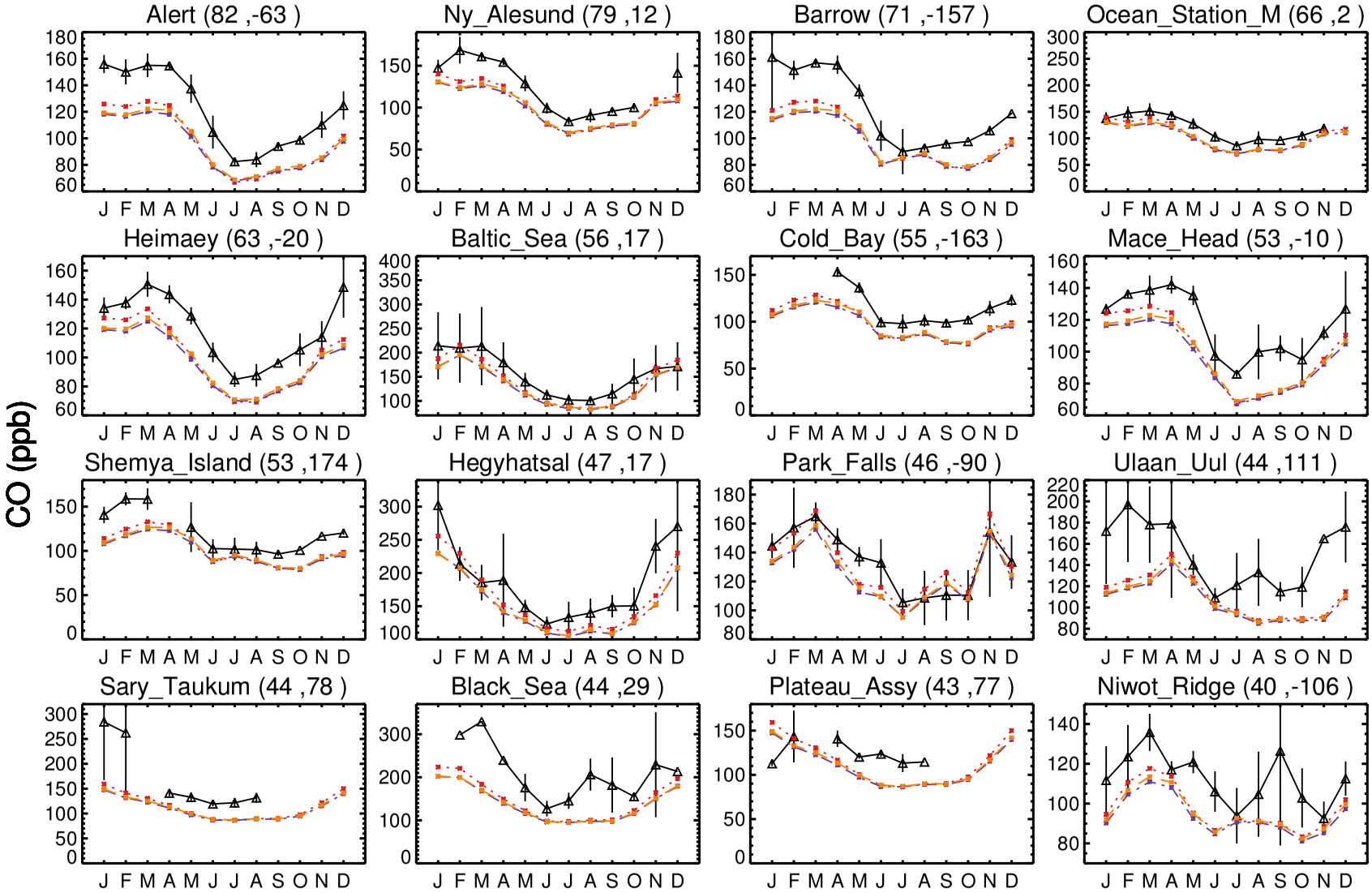

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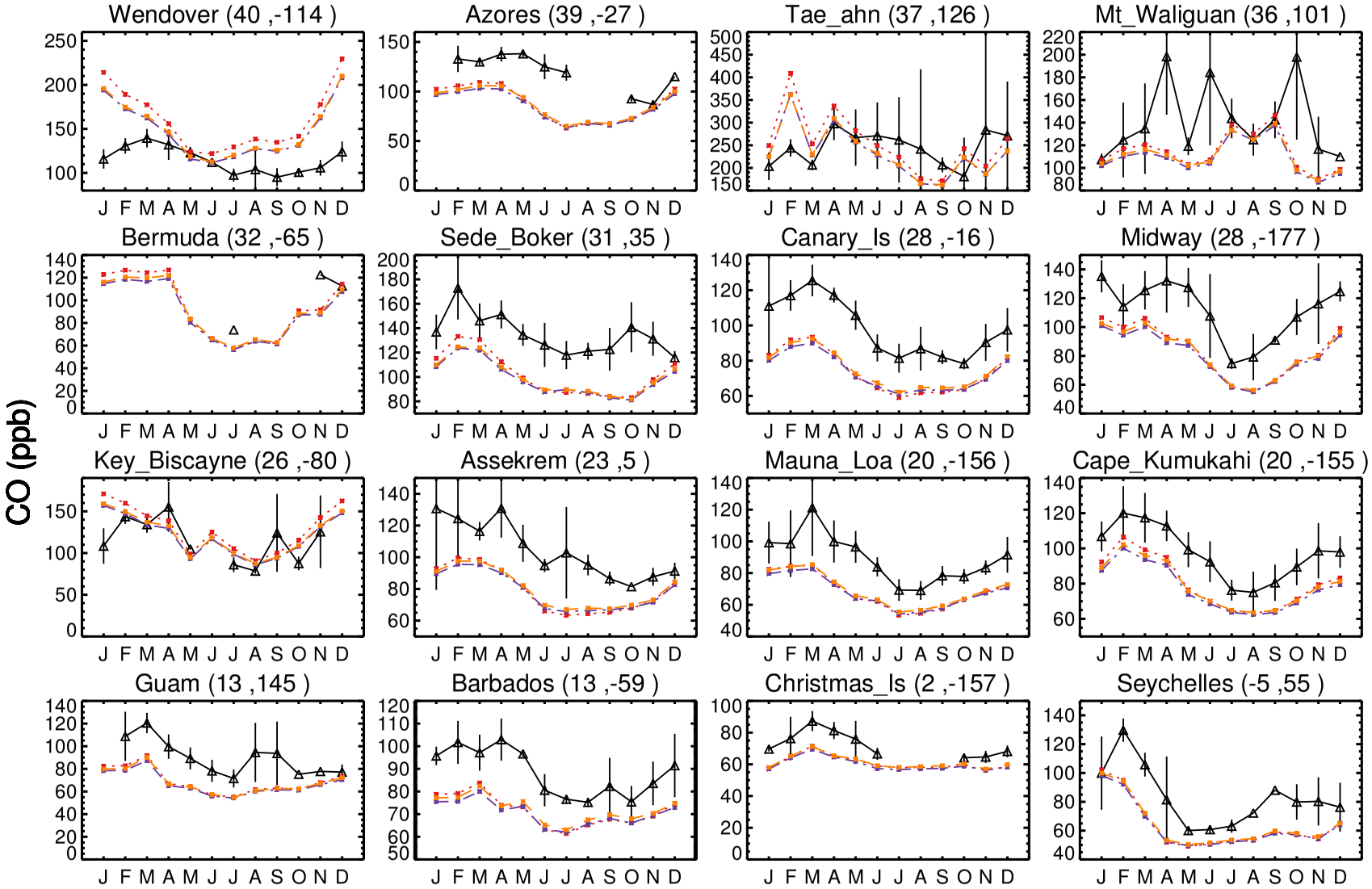
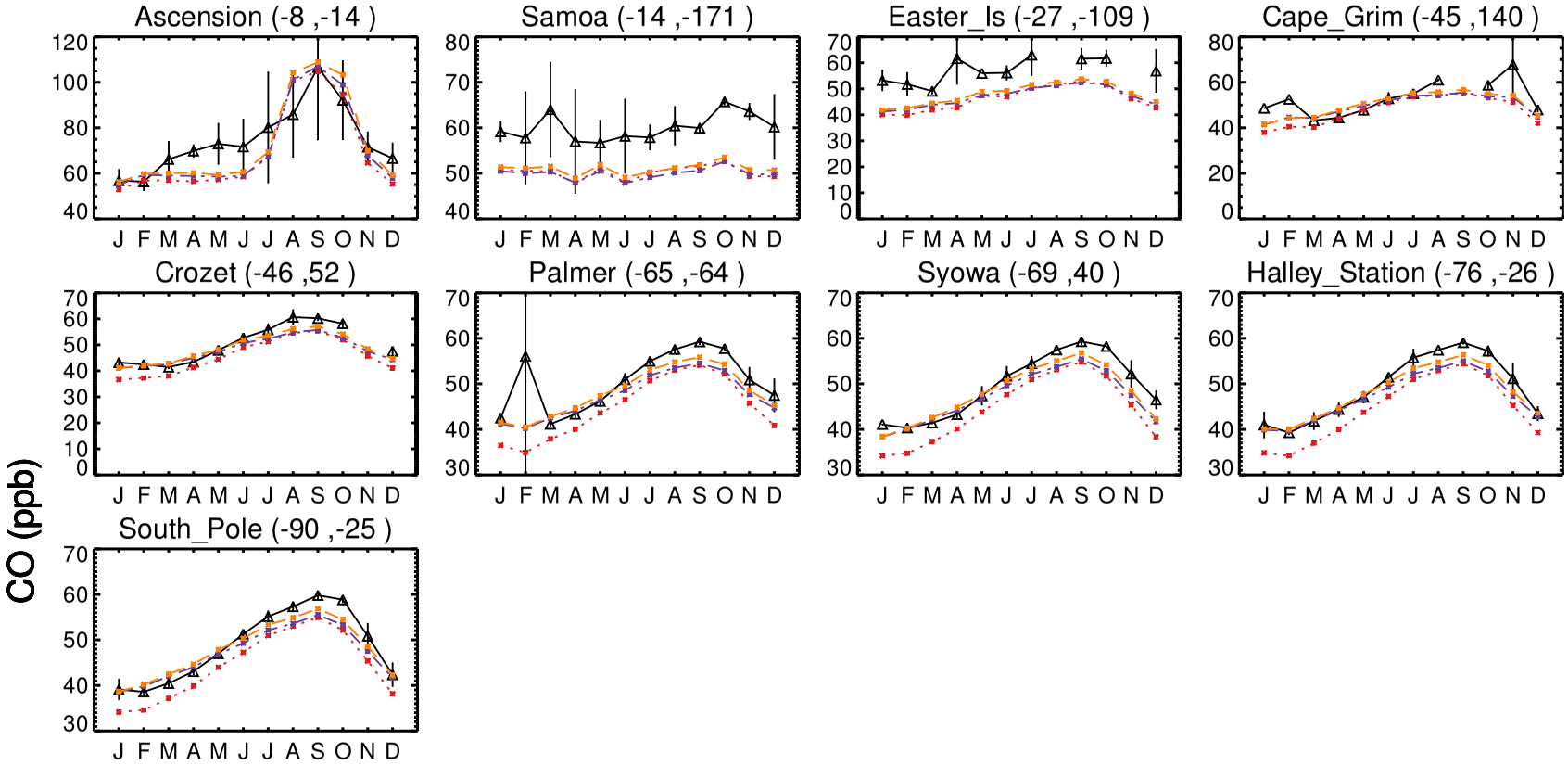


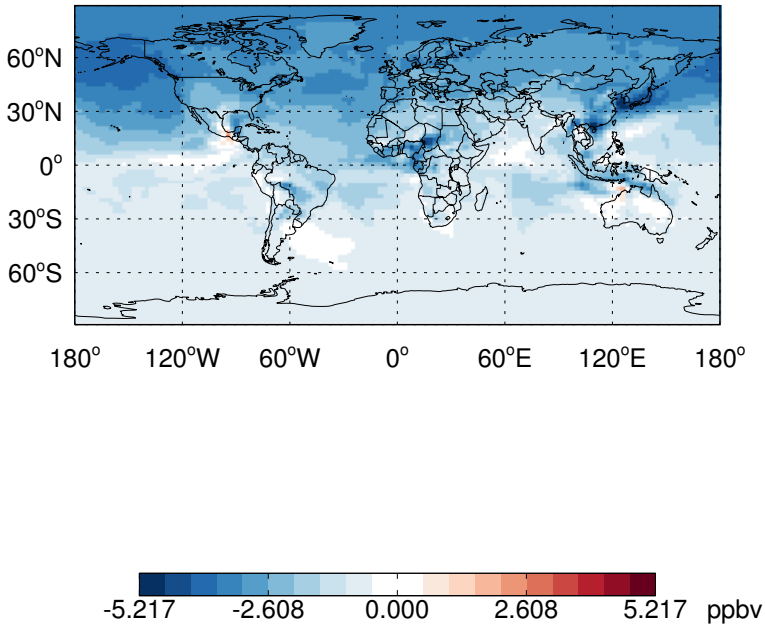
Red: old_tagCO (2009); Purple: new_tagCO (2009); Blue: full_chemistry (2009)



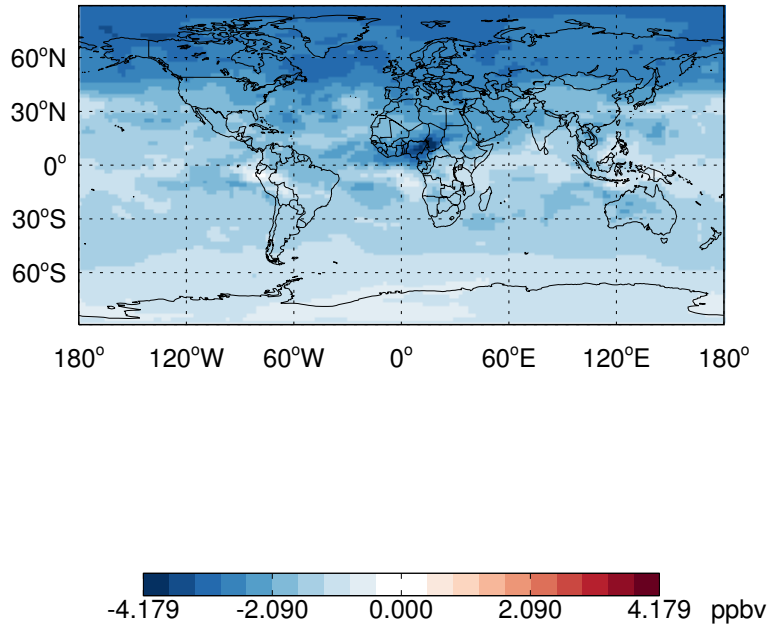
jaf574 output/CO.surface.geos.full_chemistry.ps, 07/01/2017 14:41

GEOS-Chem Difference Maps at surface and 500 hPa

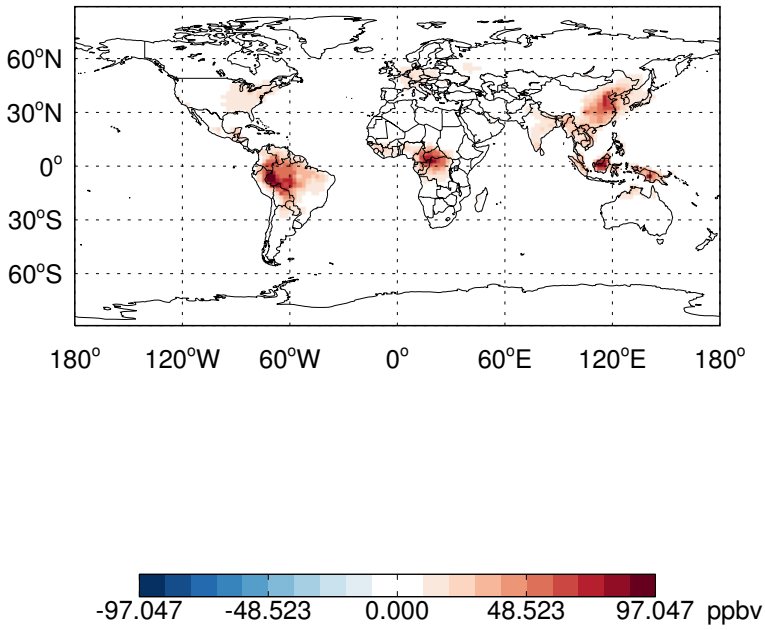
new_tagCO - full_chemistry
CO - Diff @ Surface for Apr



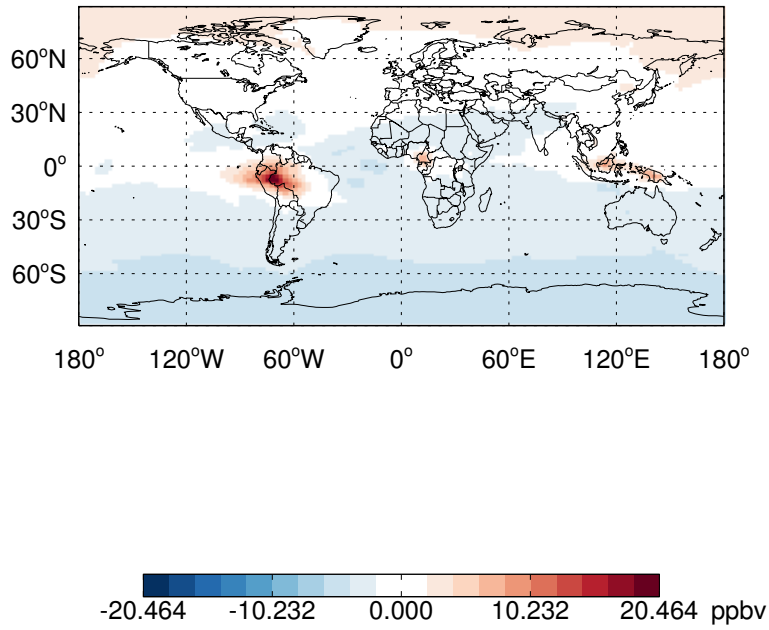
new_tagCO - full_chemistry
CO- Diff @ 500 hPa for Apr



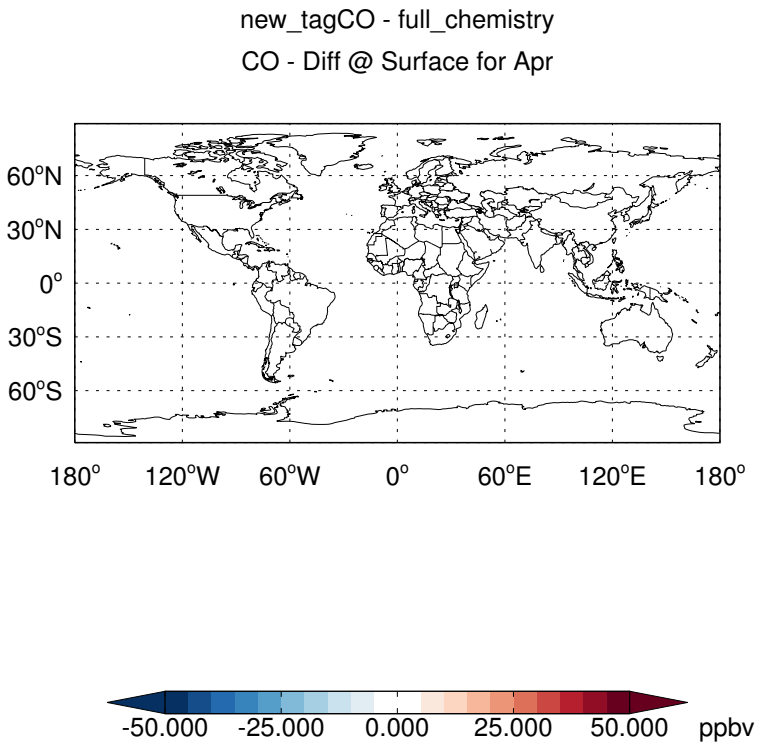
old_tagCO - full_chemistry
CO - Diff @ Surface for Apr

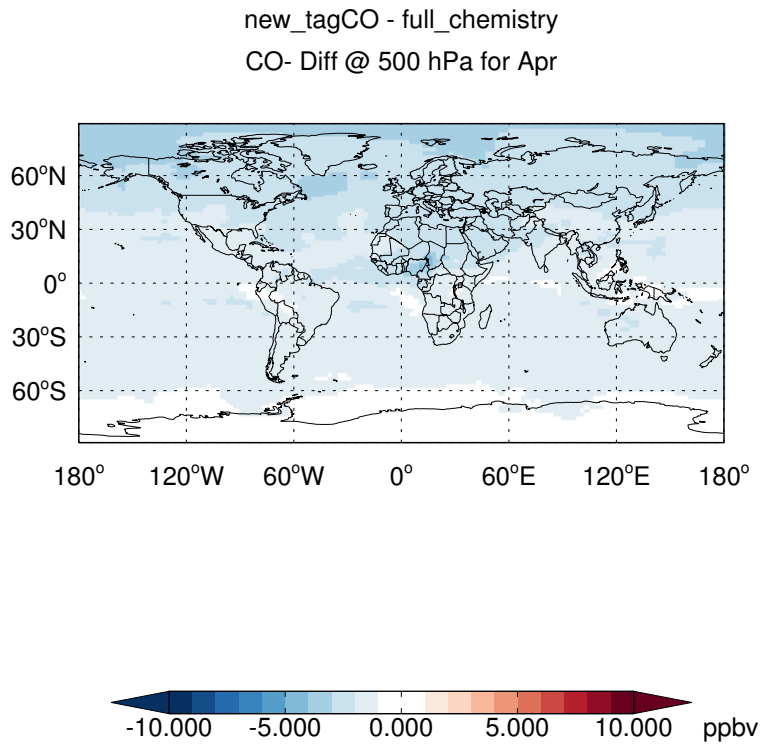


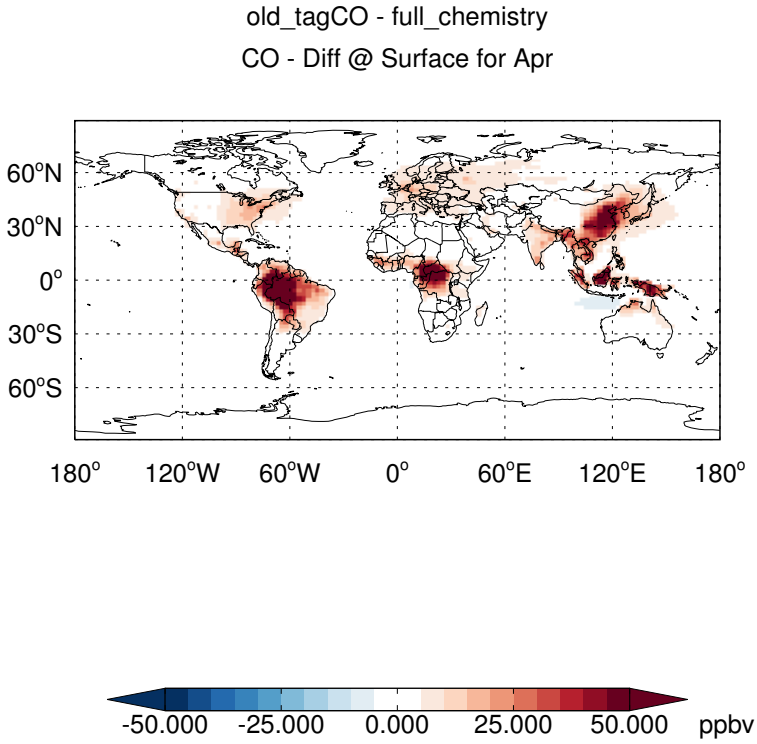
old_tagCO - full_chemistry
CO- Diff @ 500 hPa for Apr

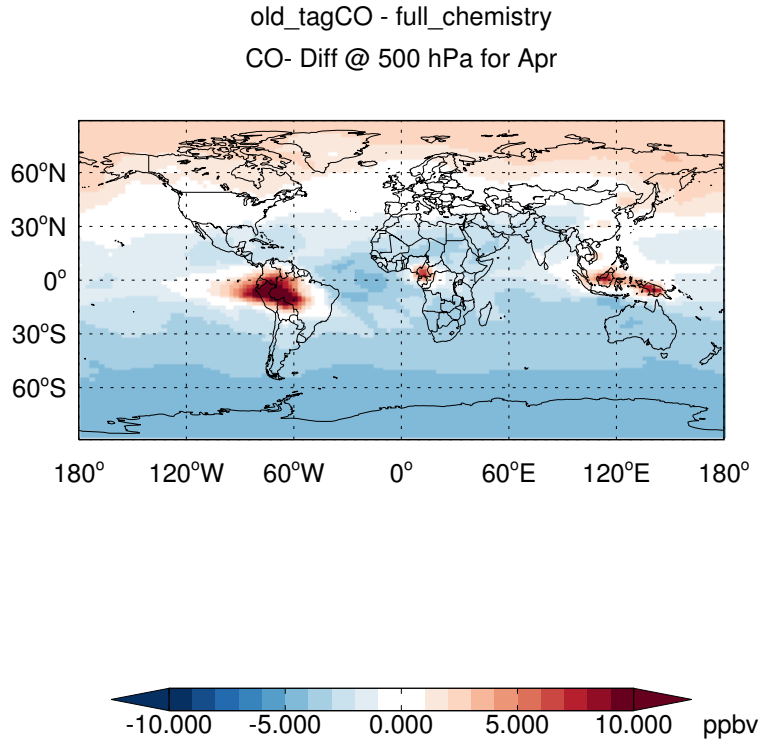


GEOS-Chem Difference Maps at surface and 500 hPa

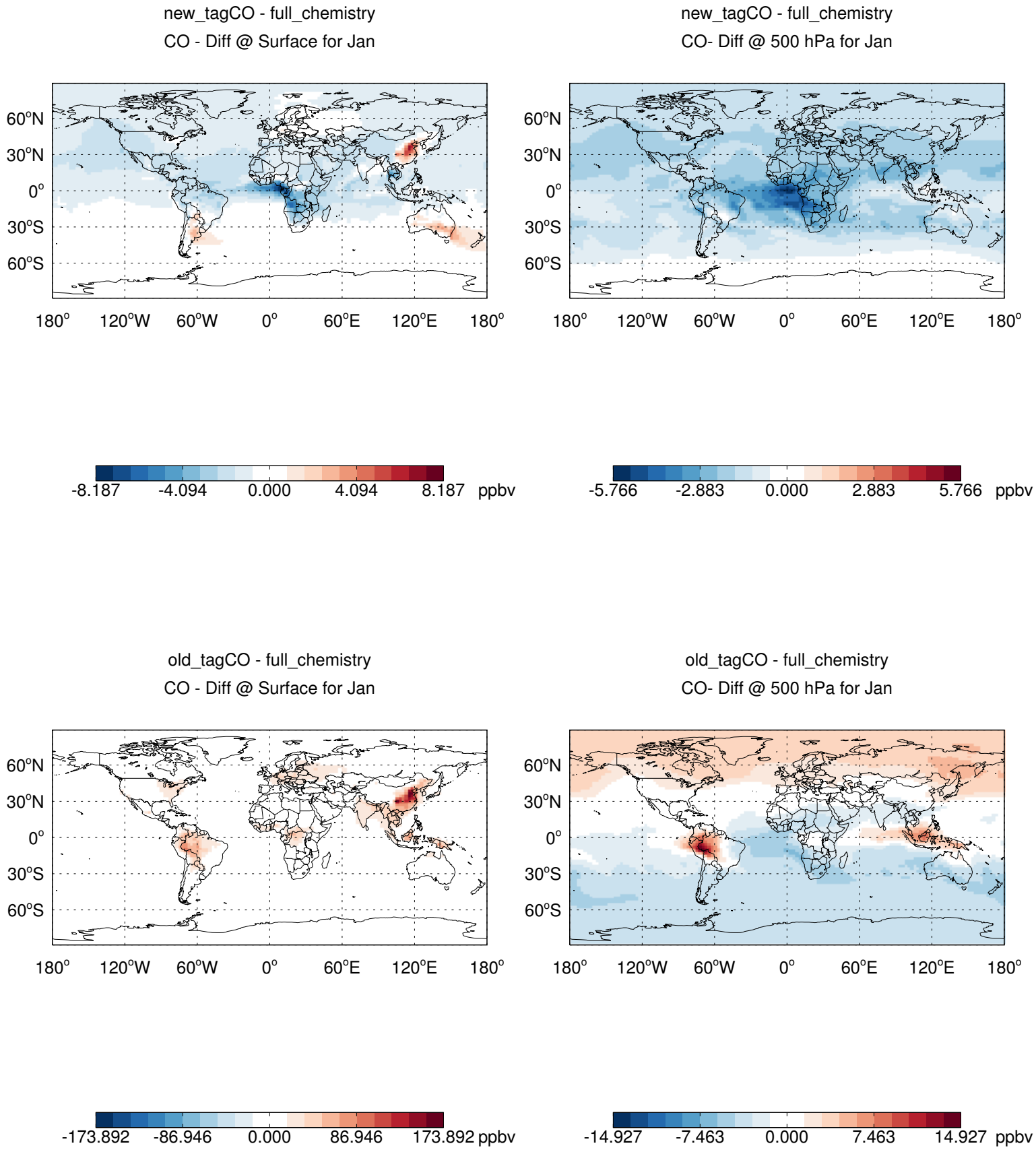






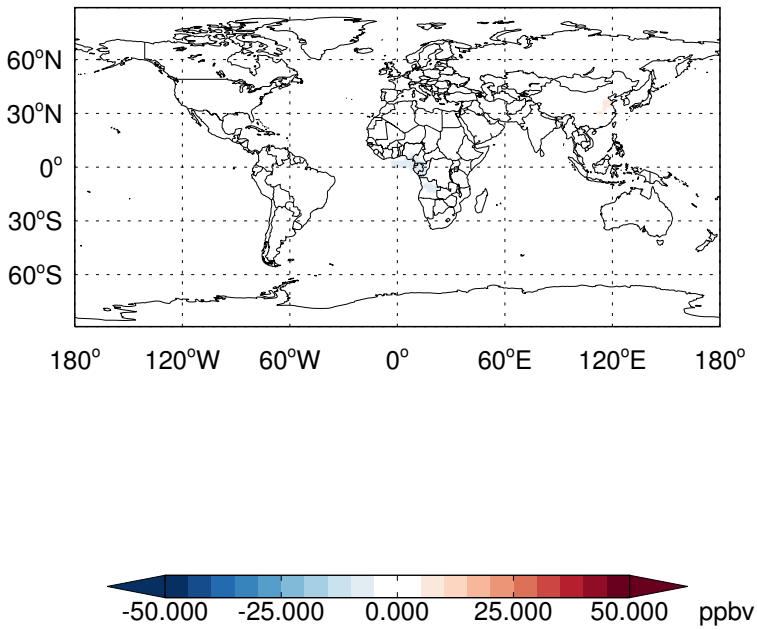


GEOS-Chem Difference Maps at surface and 500 hPa

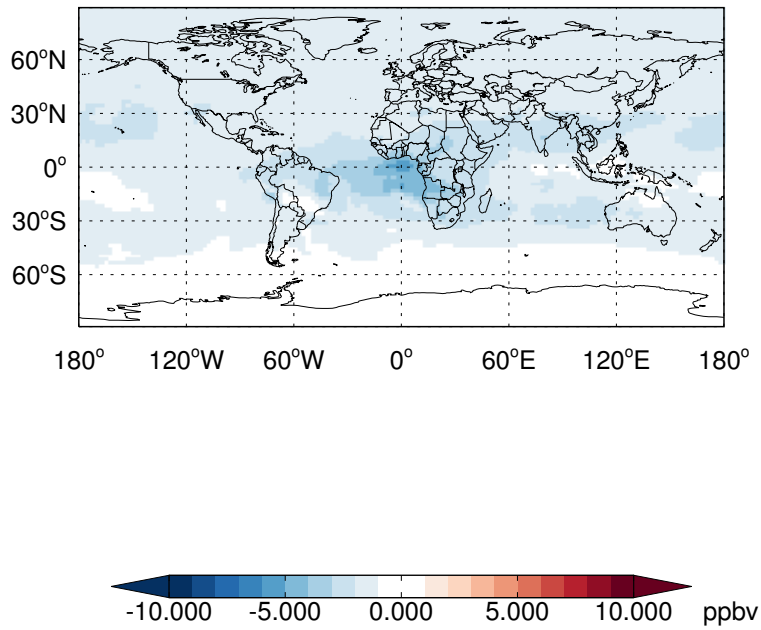


GEOS-Chem Difference Maps at surface and 500 hPa

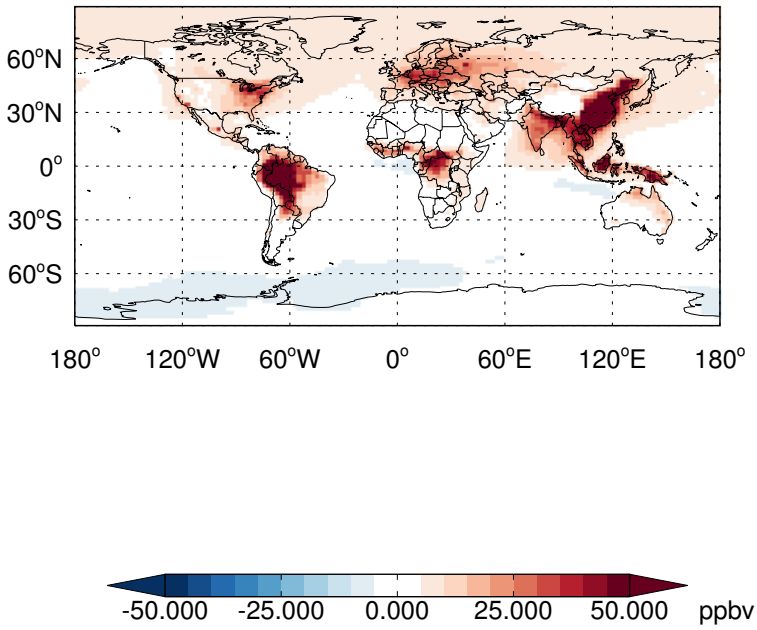
new_tagCO - full_chemistry
CO - Diff @ Surface for Jan



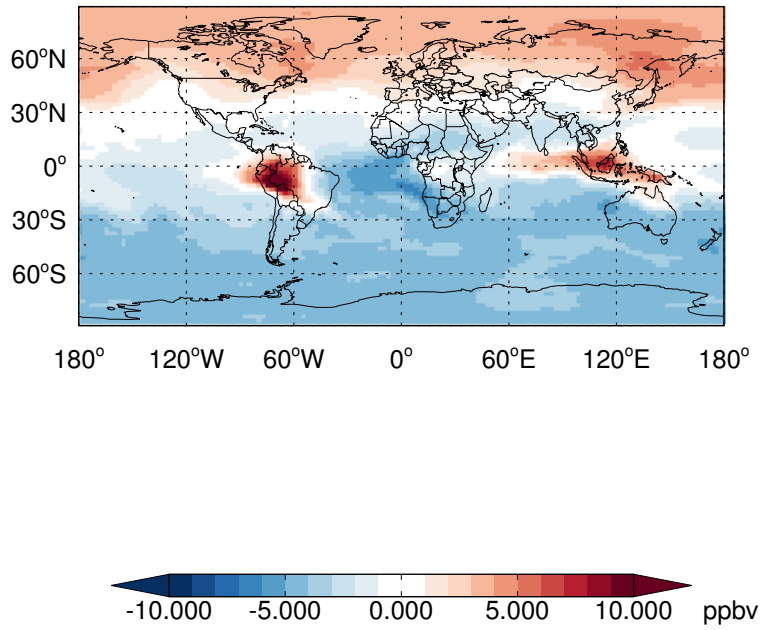
new_tagCO - full_chemistry
CO- Diff @ 500 hPa for Jan



old_tagCO - full_chemistry
CO - Diff @ Surface for Jan

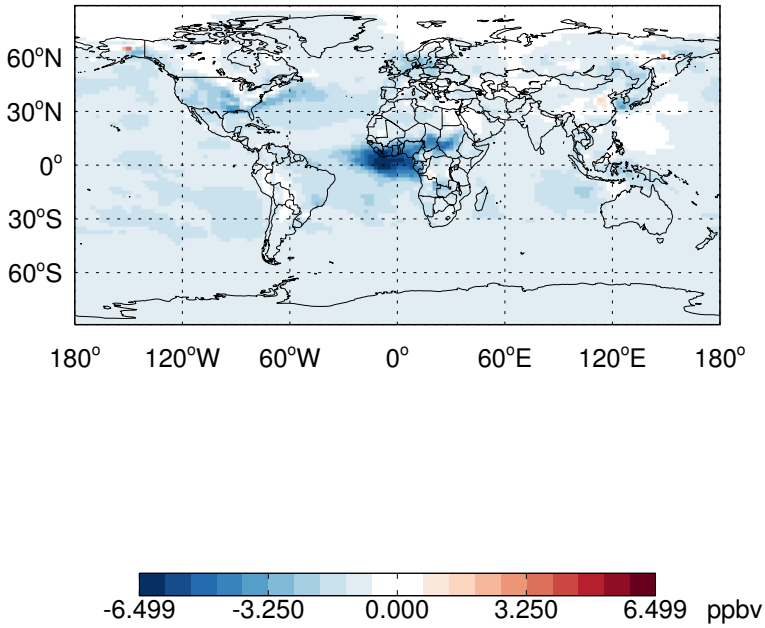


old_tagCO - full_chemistry
CO- Diff @ 500 hPa for Jan



GEOS-Chem Difference Maps at surface and 500 hPa

new_tagCO - full_chemistry
CO - Diff @ Surface for Jul



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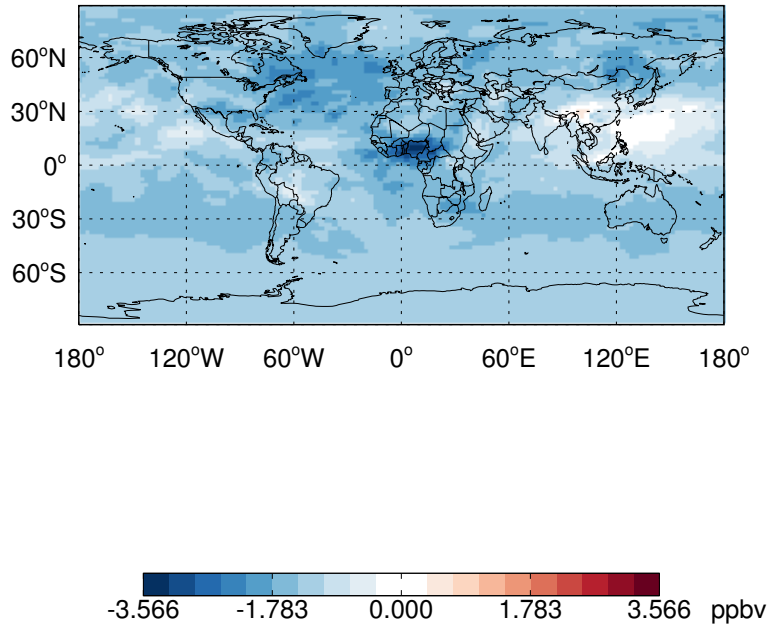
CO- Diff @ 500 hPa for Jul



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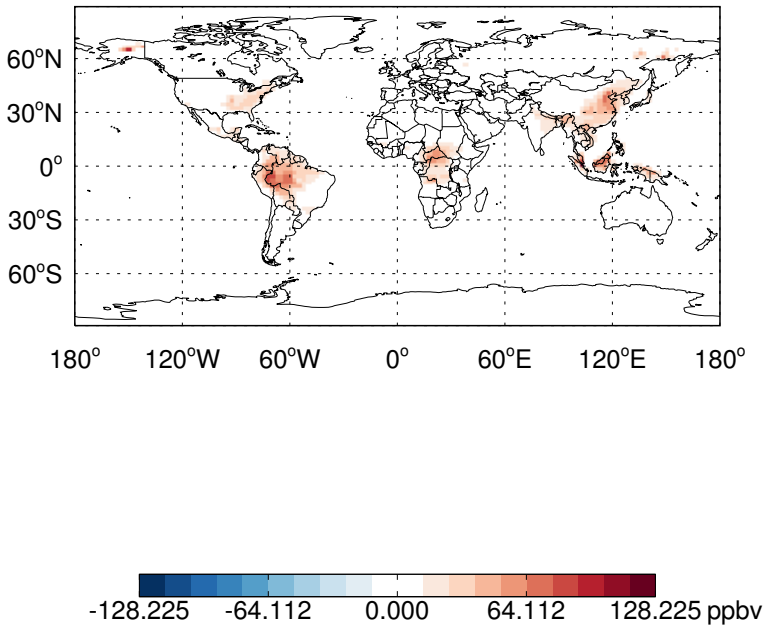
CO - Diff @ Surface for Jul



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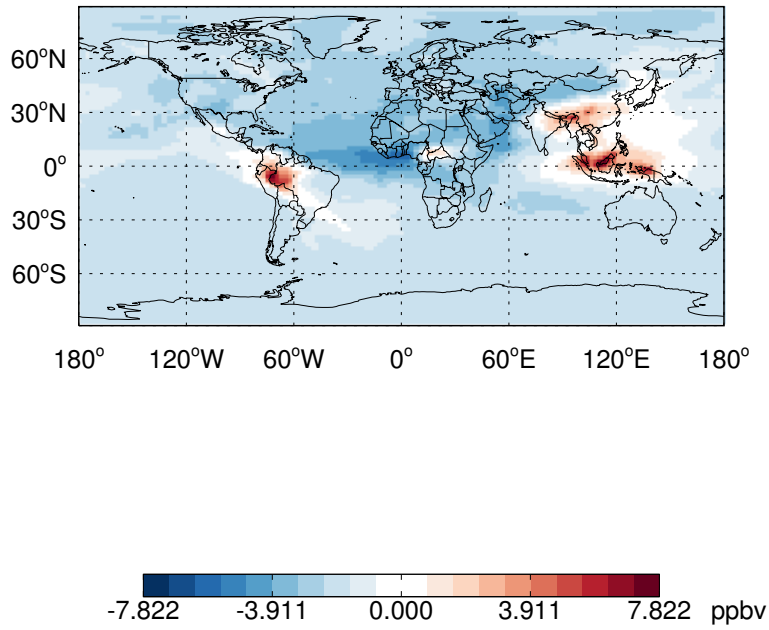
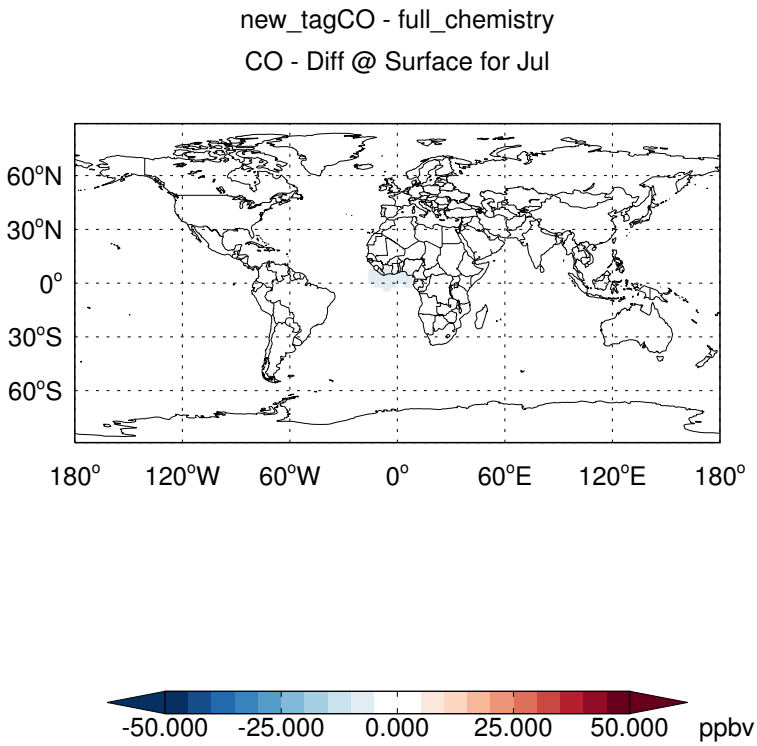
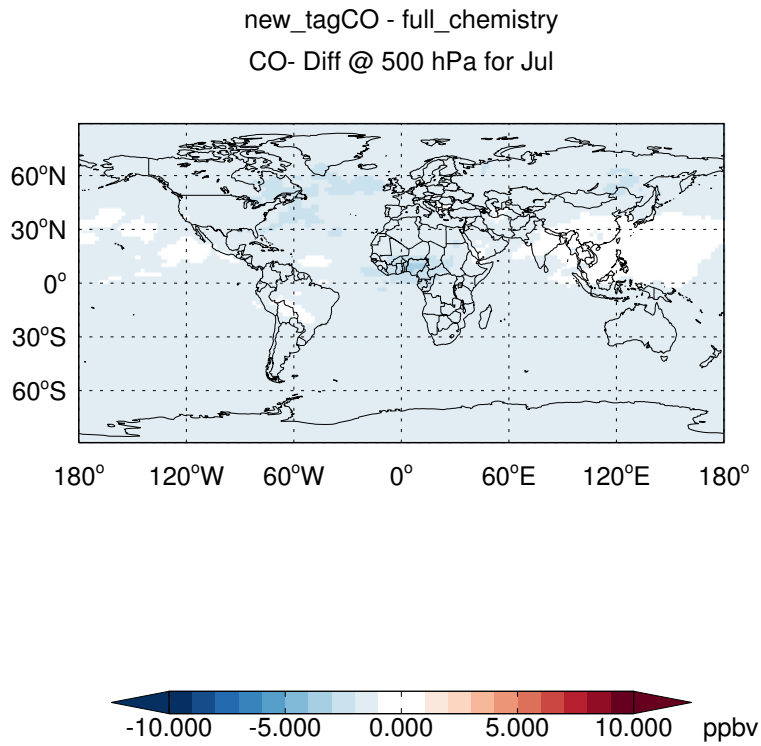
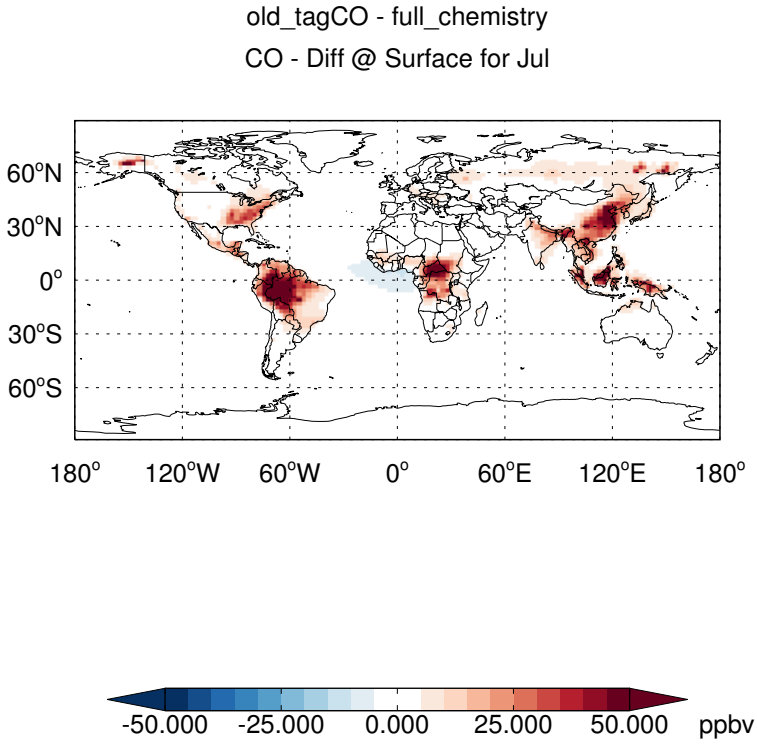
CO- Diff @ 500 hPa for Jul

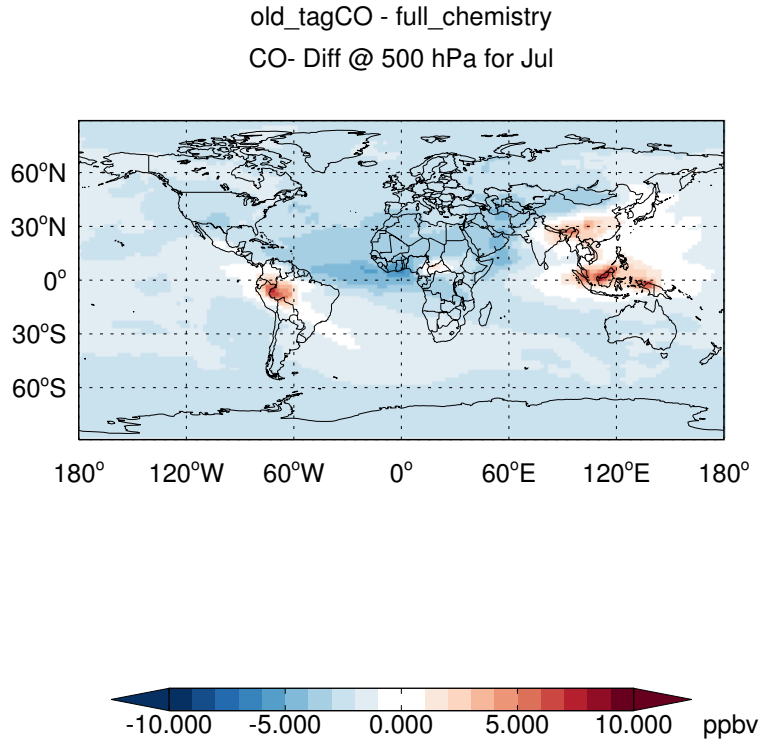


GEOS-Chem Difference Maps at surface and 500 hPa

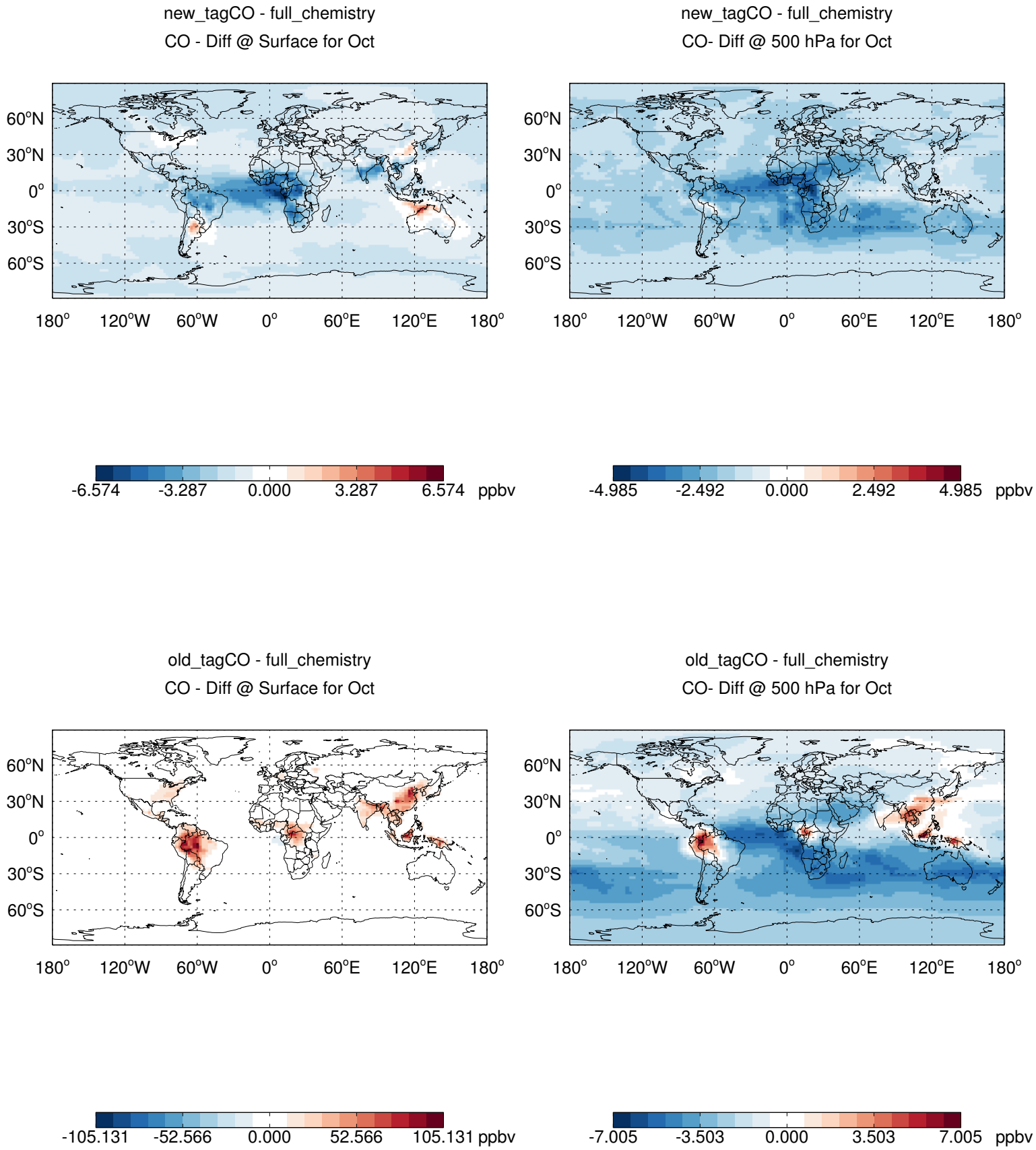




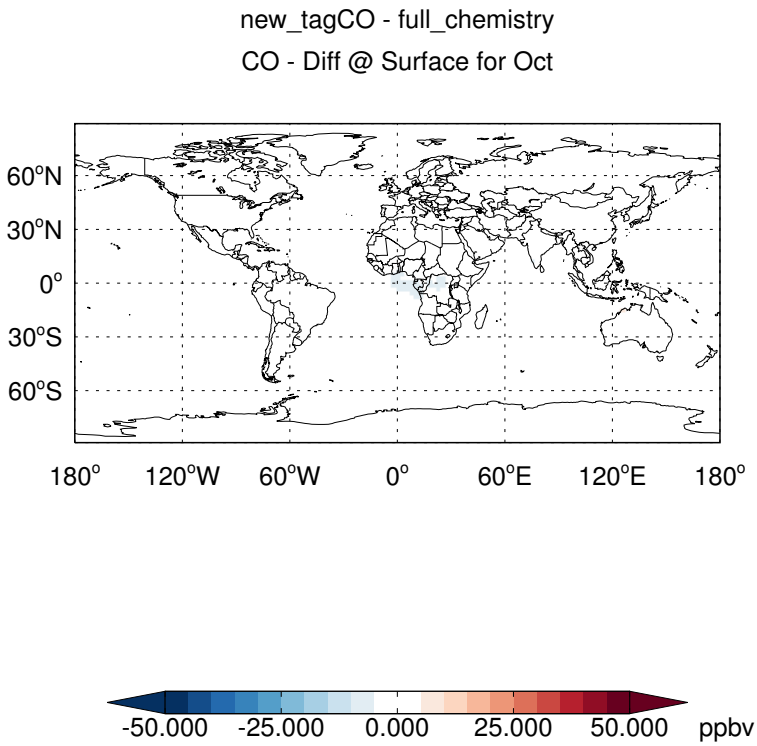


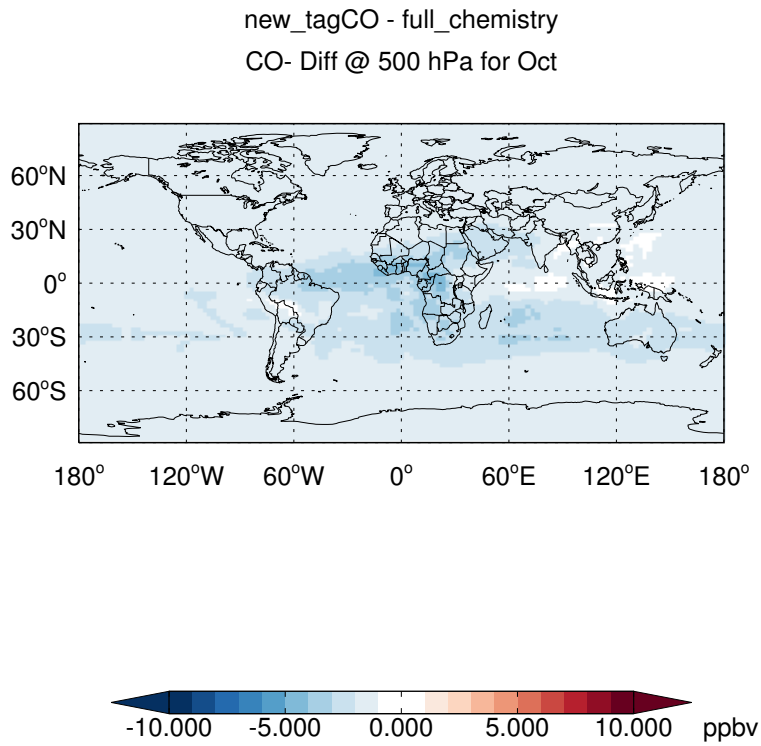


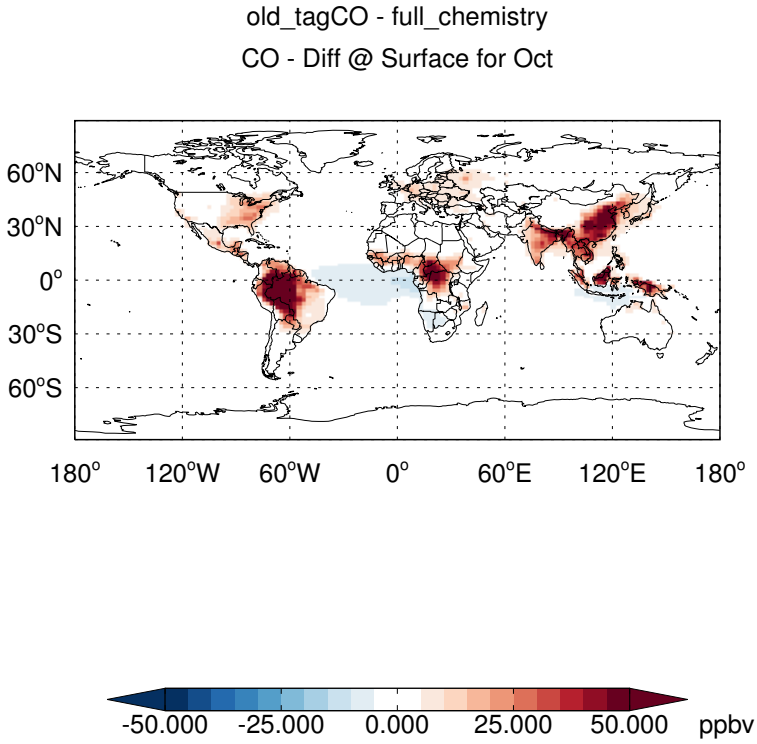
GEOS-Chem Difference Maps at surface and 500 hPa

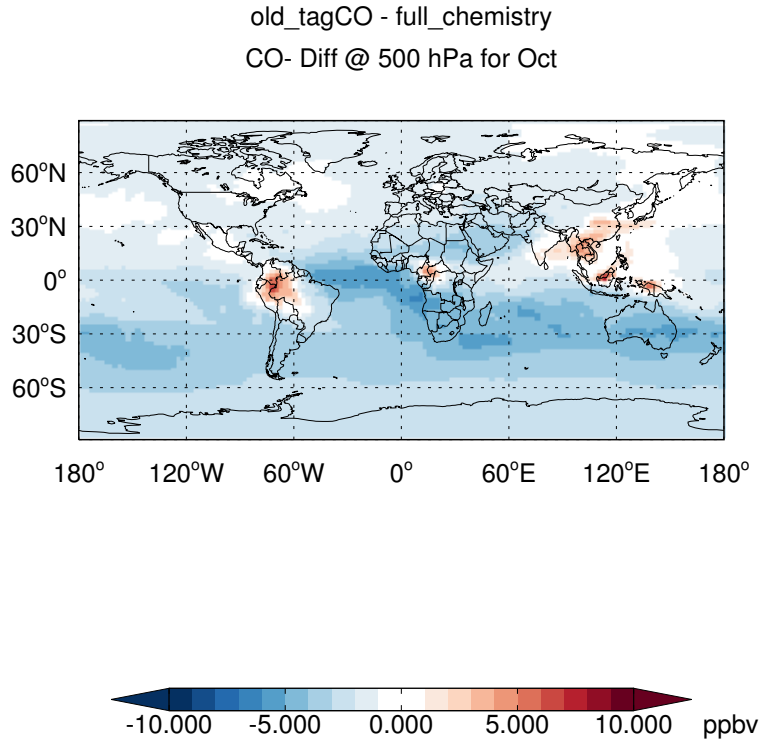


GEOS-Chem Difference Maps at surface and 500 hPa



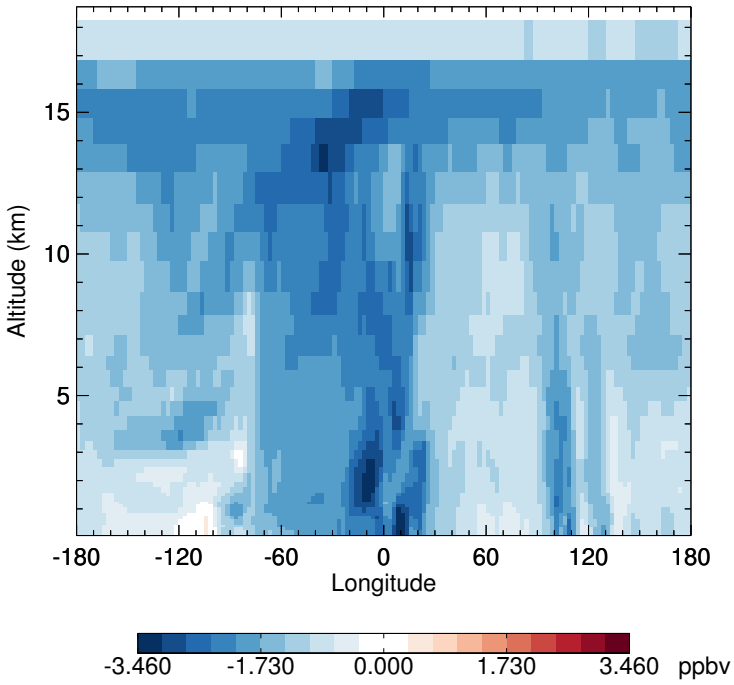




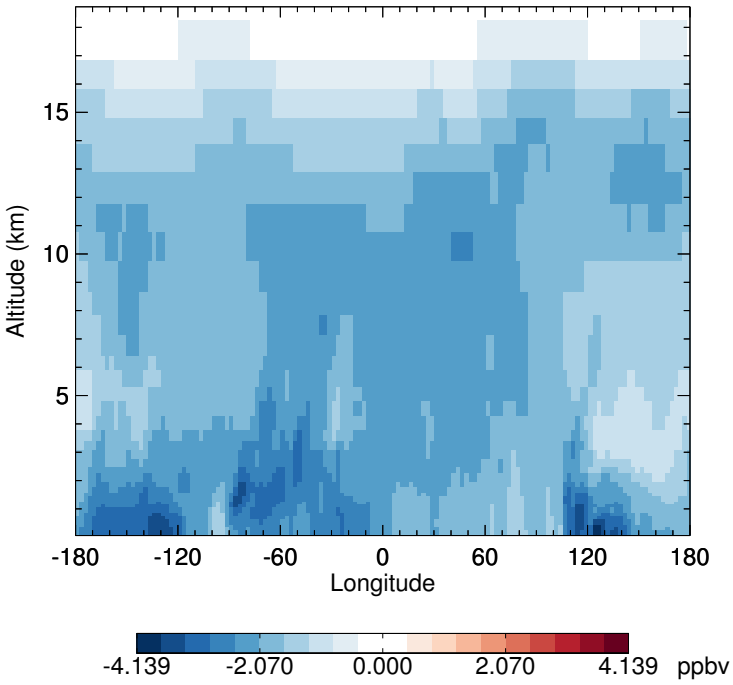


GEOS-Chem Longitudinal Difference Profiles

new_tagCO - full_chemistry
CO - Diff along 0S for Apr



new_tagCO - full_chemistry
CO - Diff along 30N for Apr



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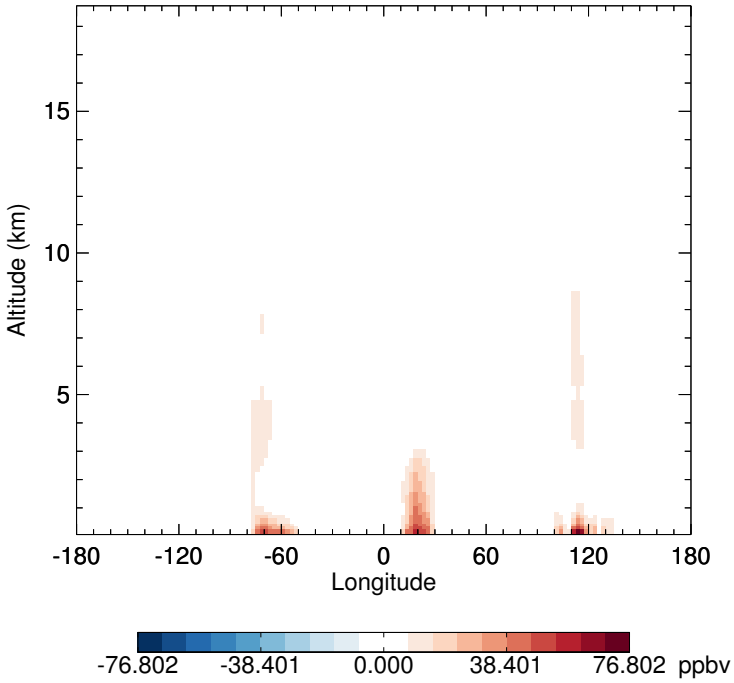
CO - Diff along 0S for Apr



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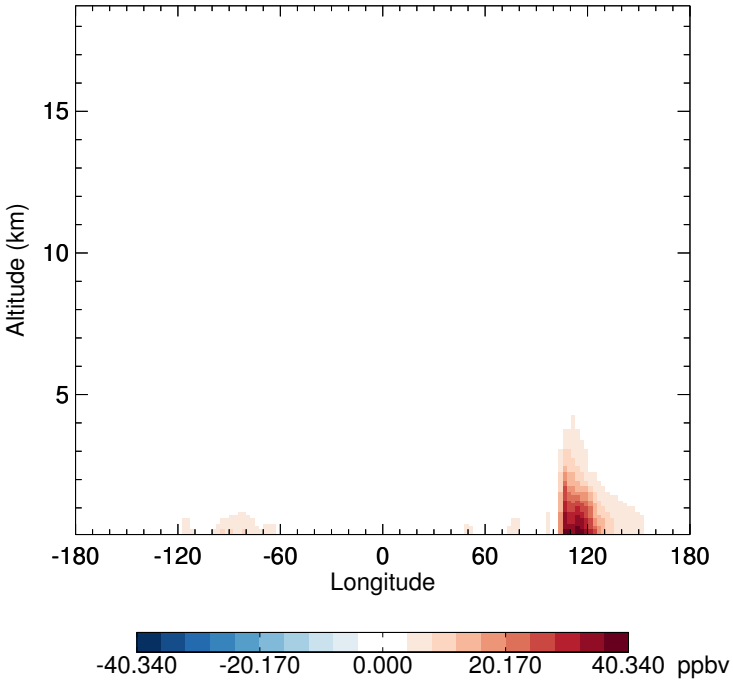
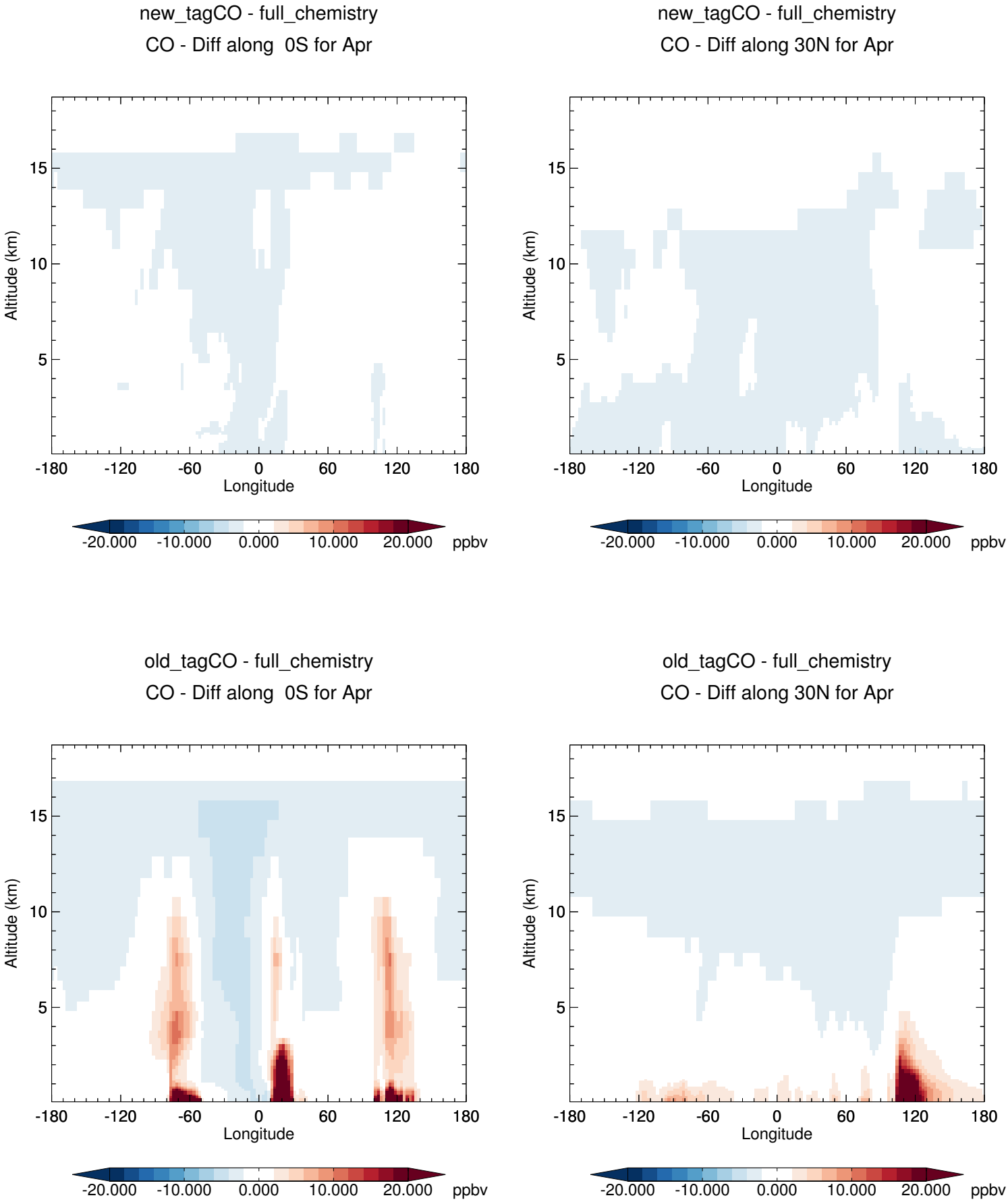
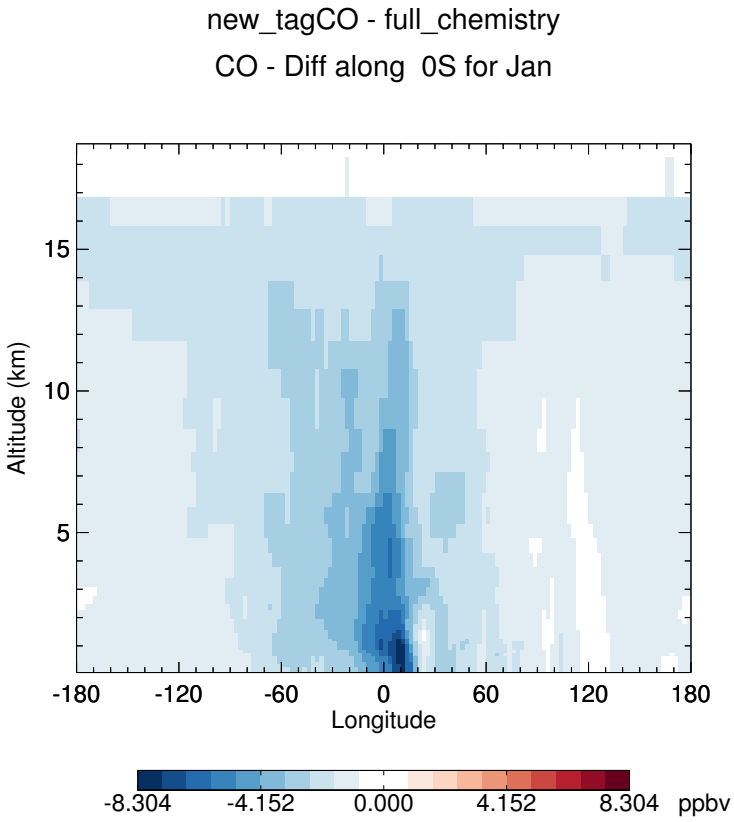
CO - Diff along 30N for Apr

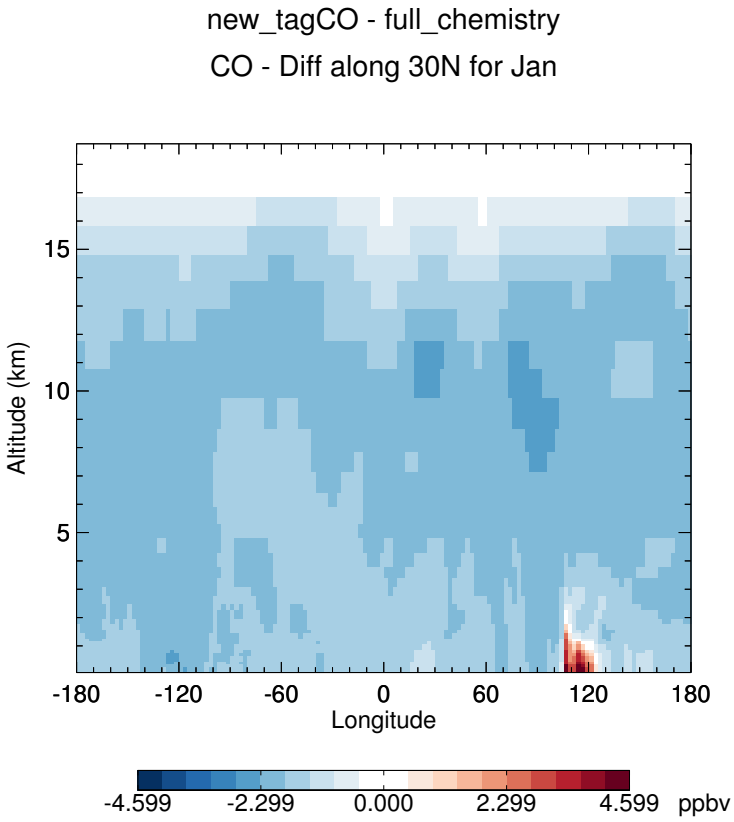


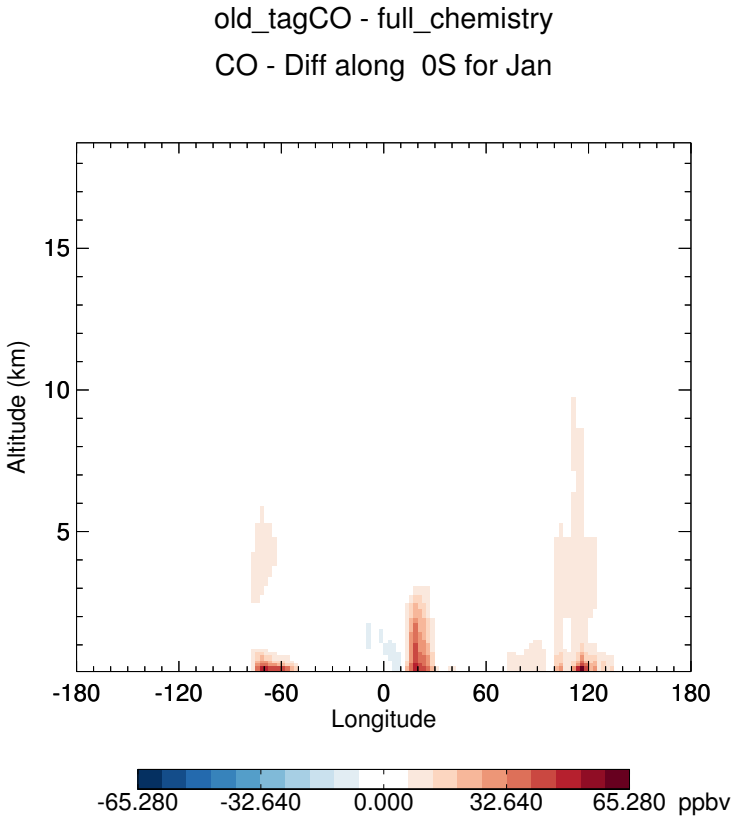
GEOS-Chem Longitudinal Difference Profiles

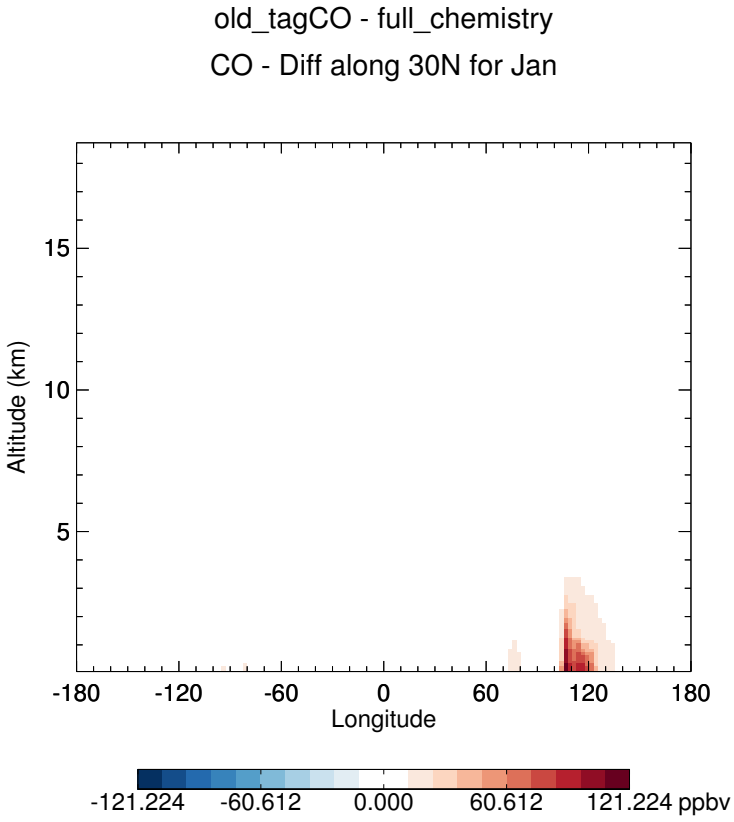


GEOS-Chem Longitudinal Difference Profiles

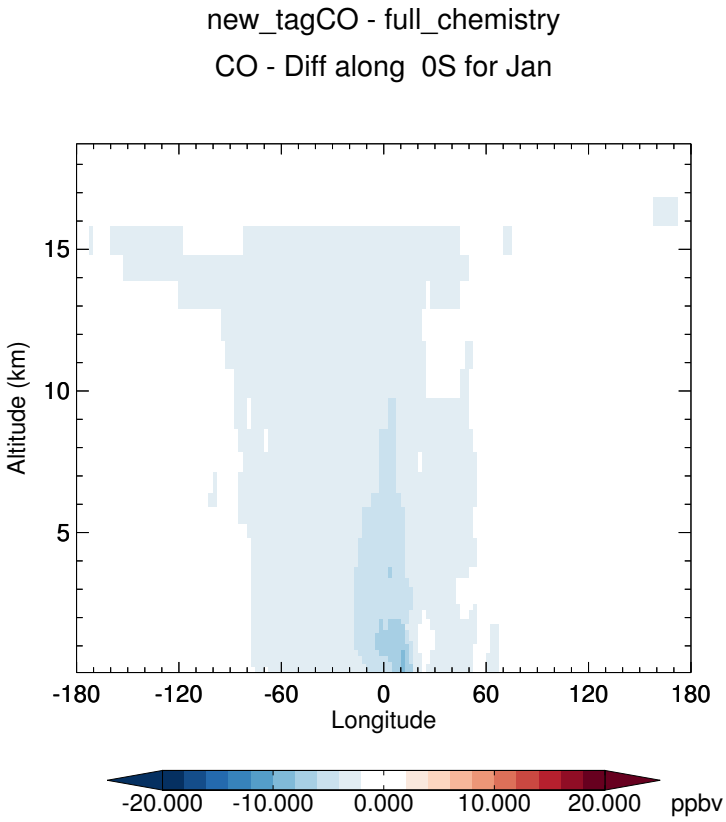


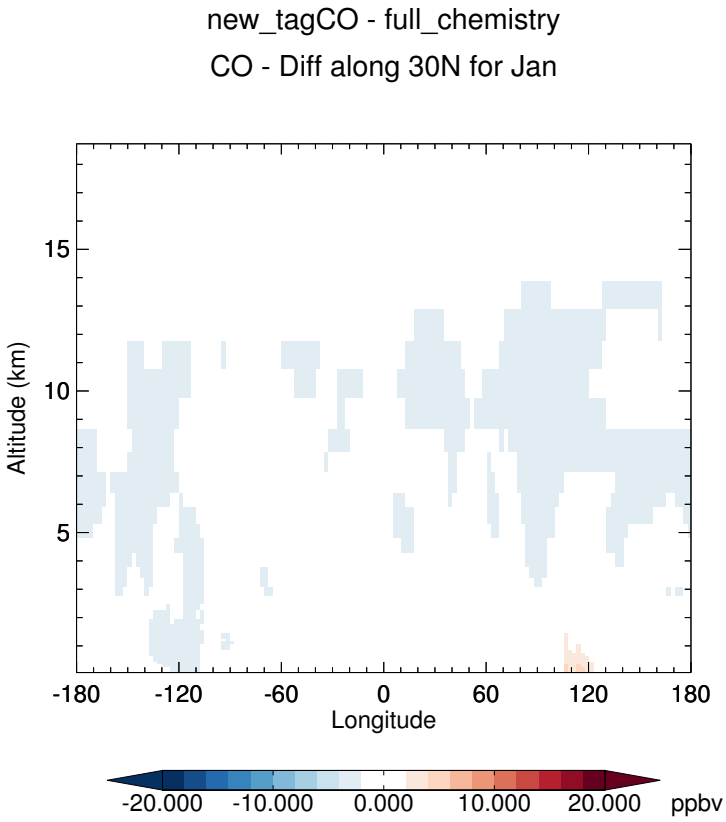


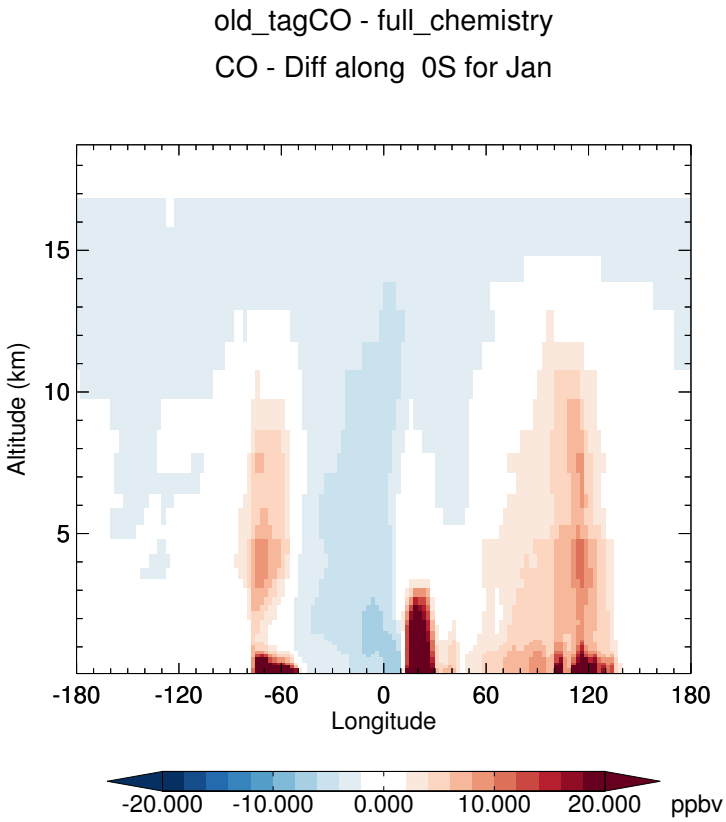


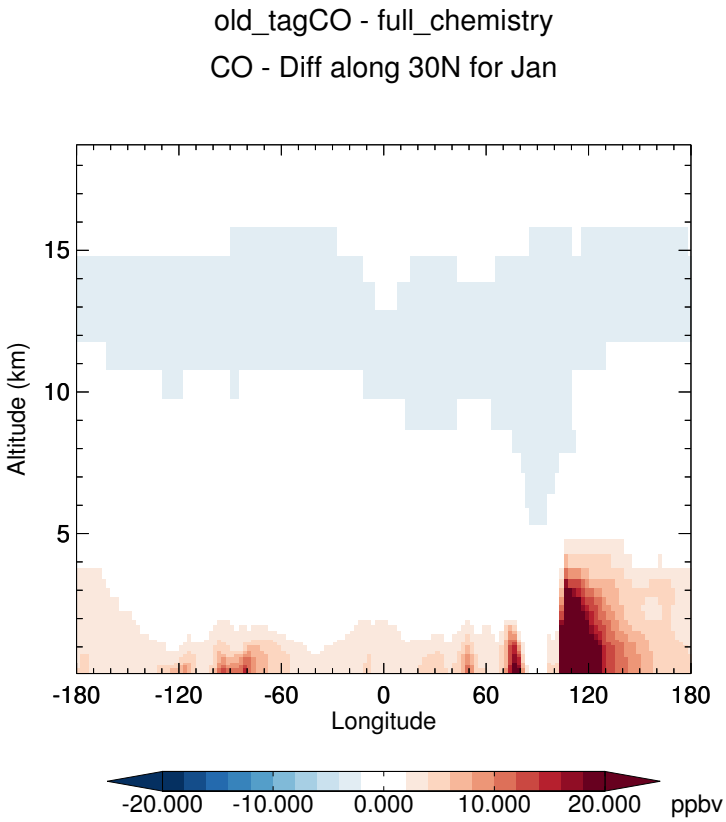


GEOS-Chem Longitudinal Difference Profiles

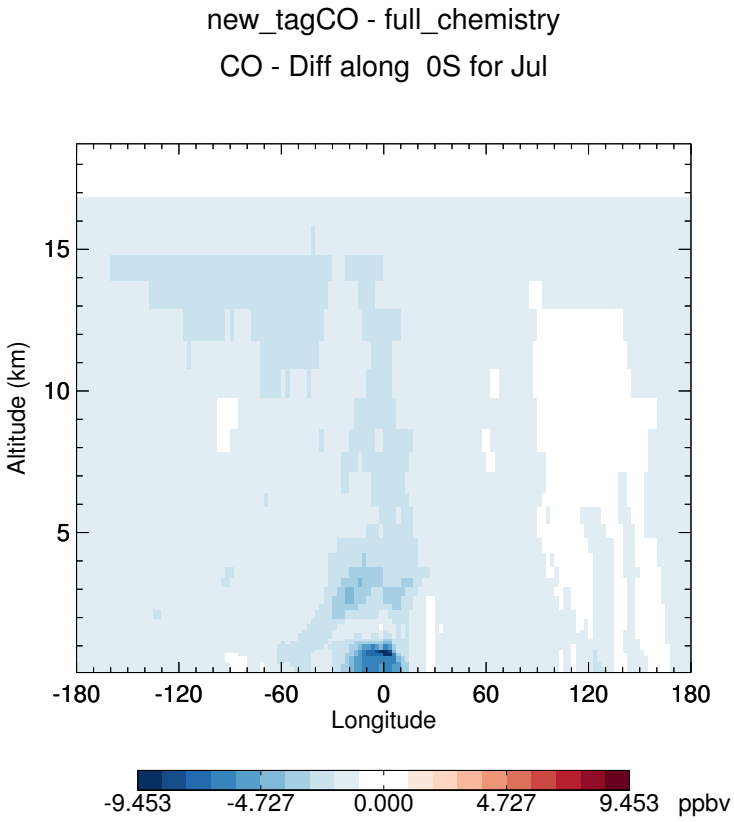


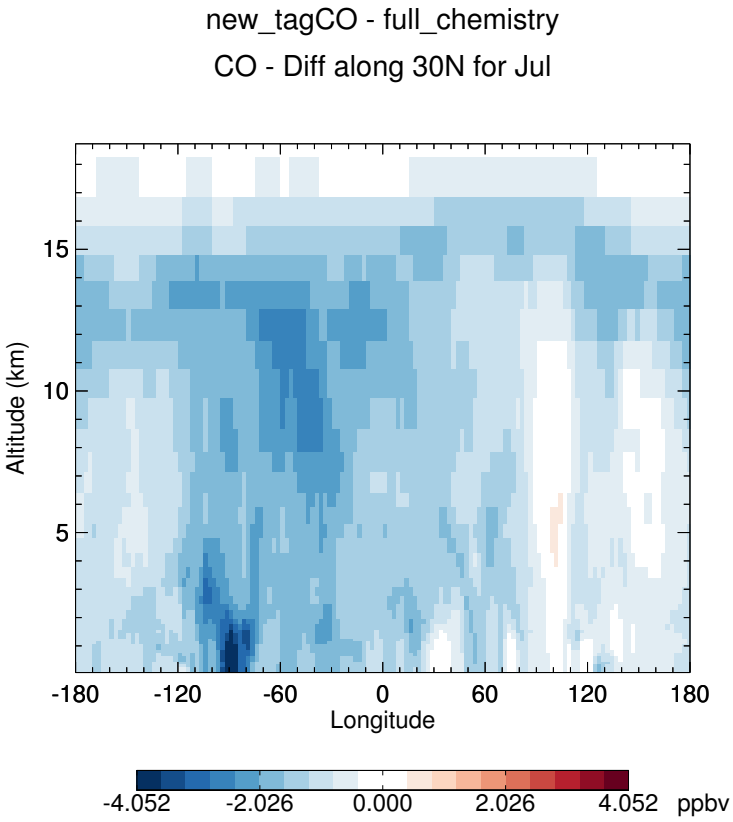


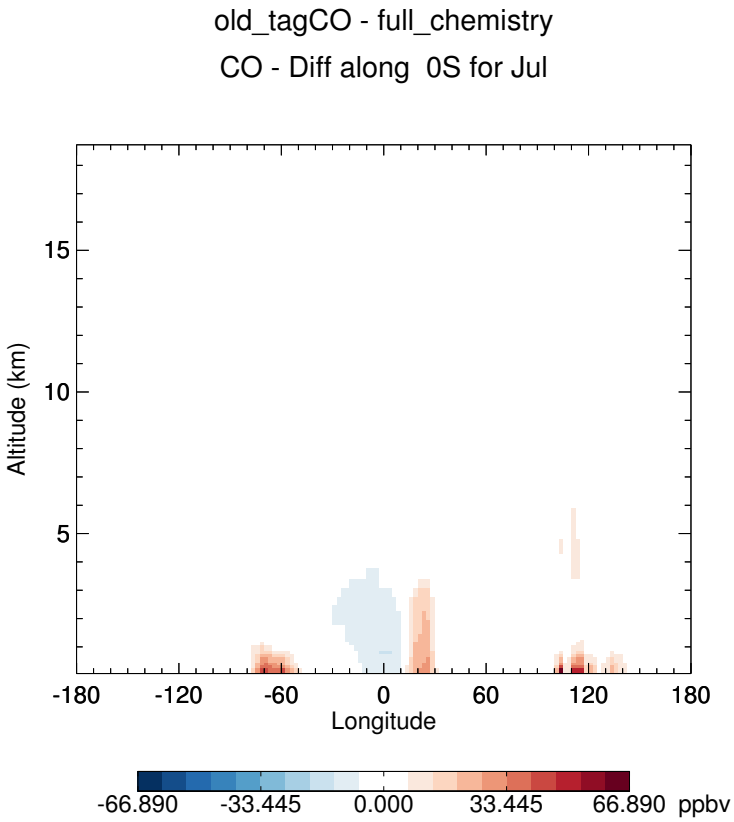


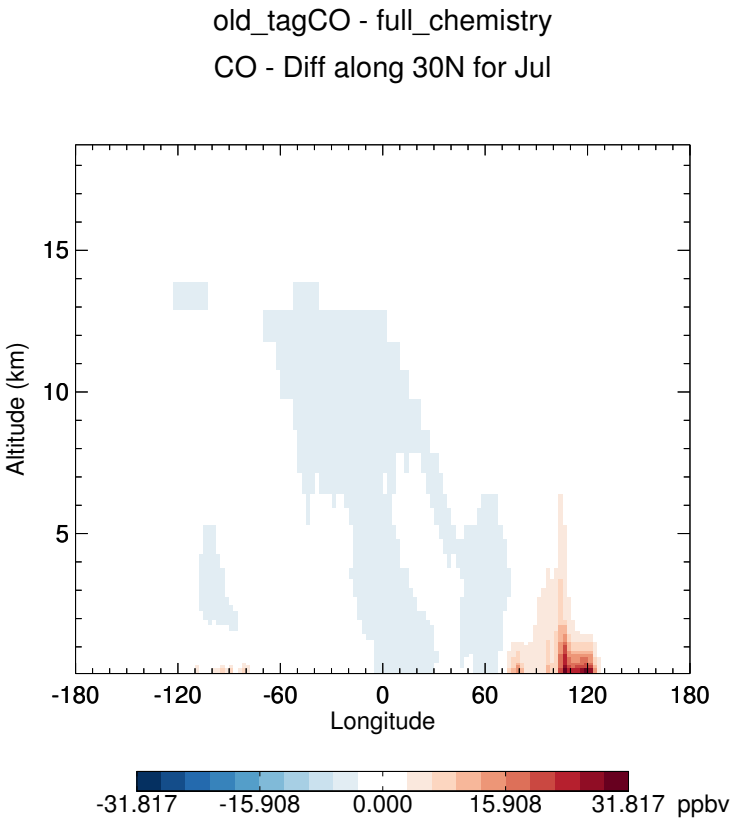


GEOS-Chem Longitudinal Difference Profiles

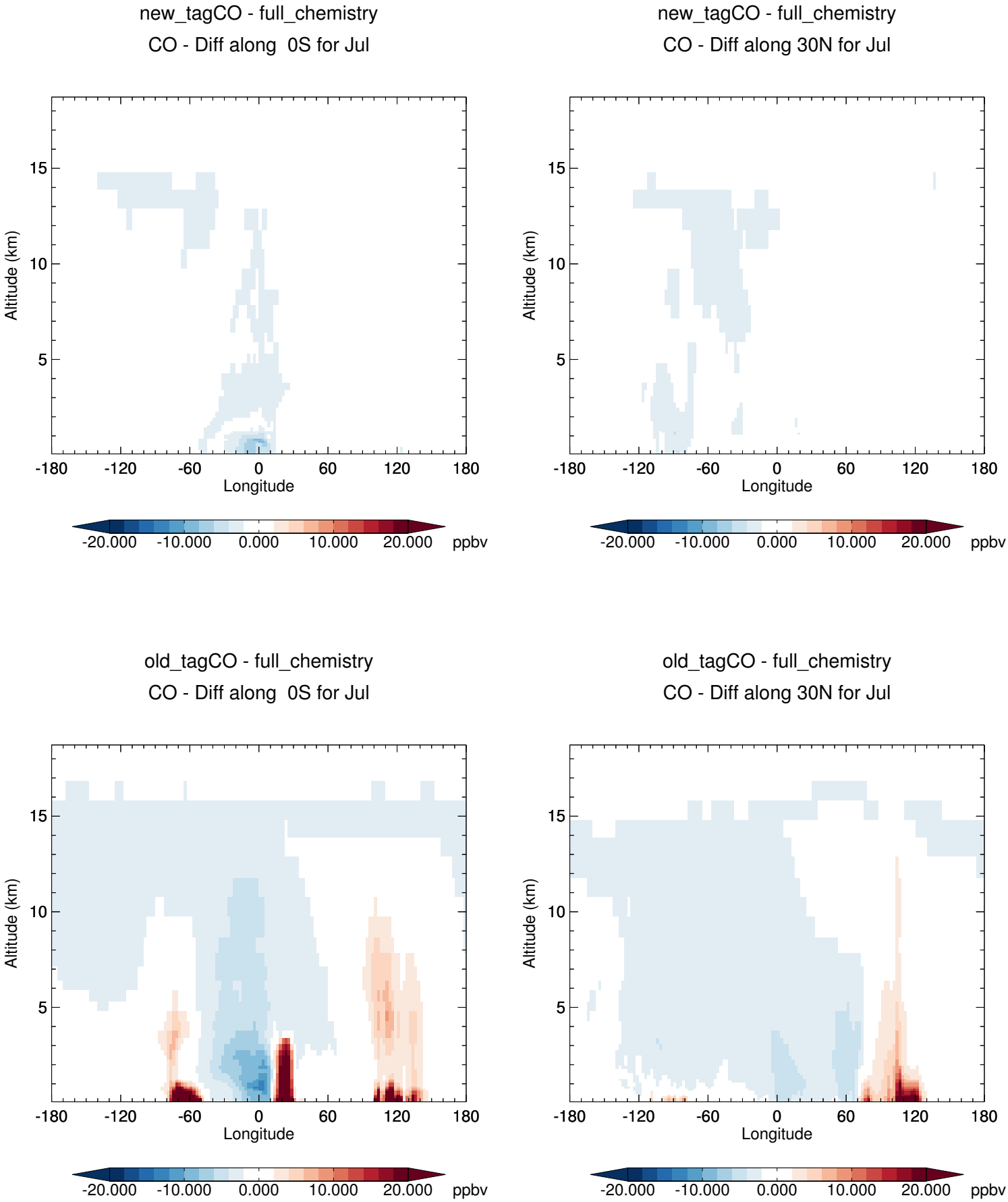








GEOS-Chem Longitudinal Difference Profiles



GEOS-Chem Longitudinal Difference Profiles

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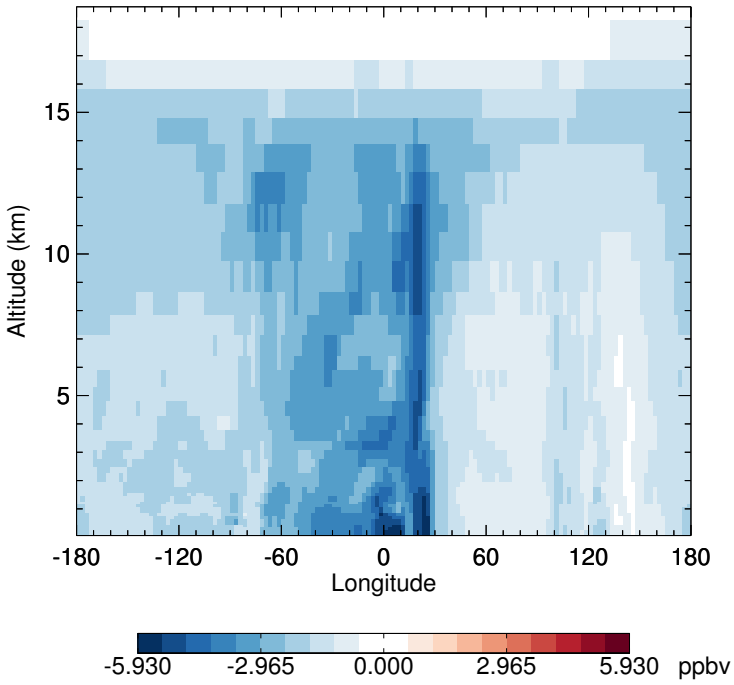
CO - Diff along 0S for Oct



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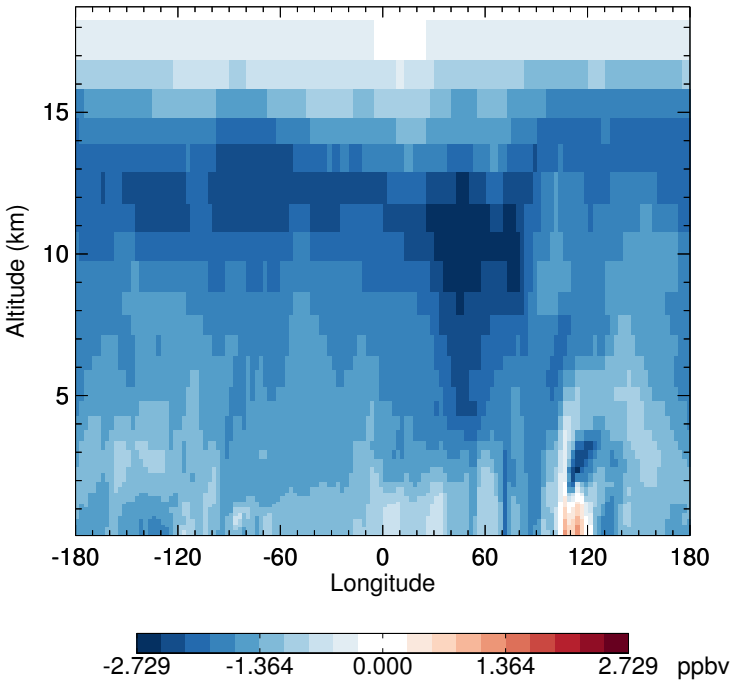
CO - Diff along 30N for Oct



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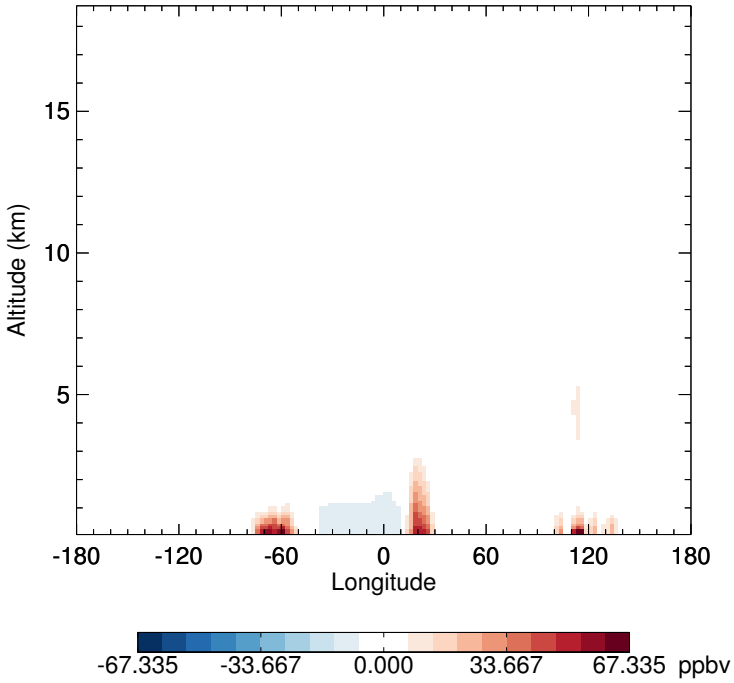
CO - Diff along 0S for Oct



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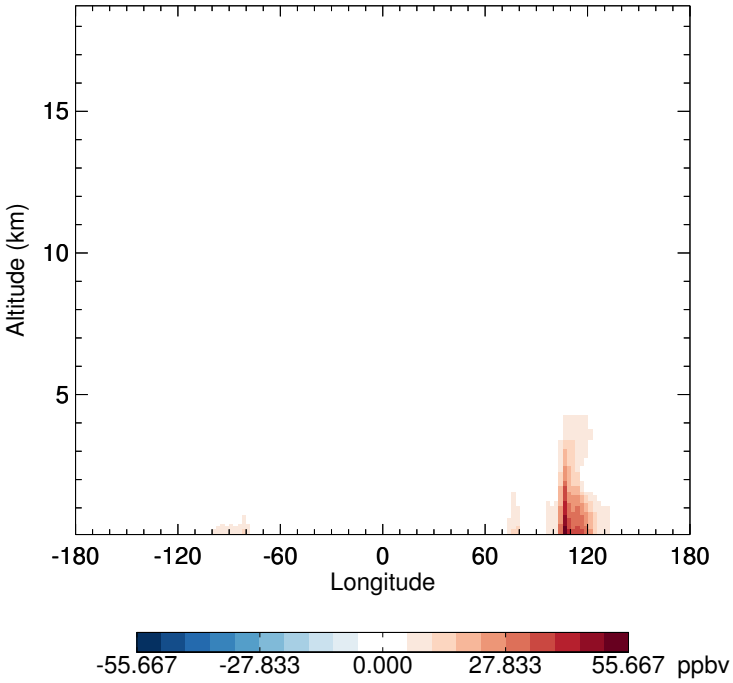

GEOS-Chem Longitudinal Difference Profiles

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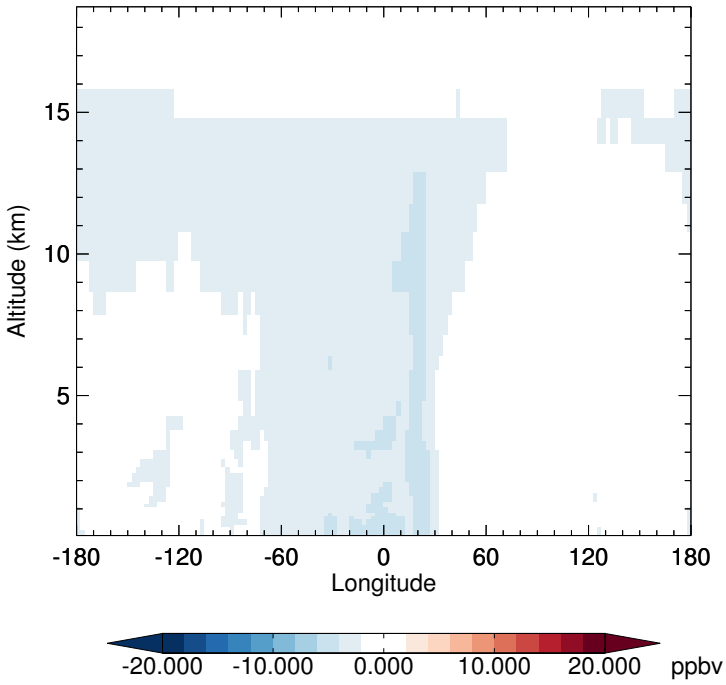
CO - Diff along 0S for Oct



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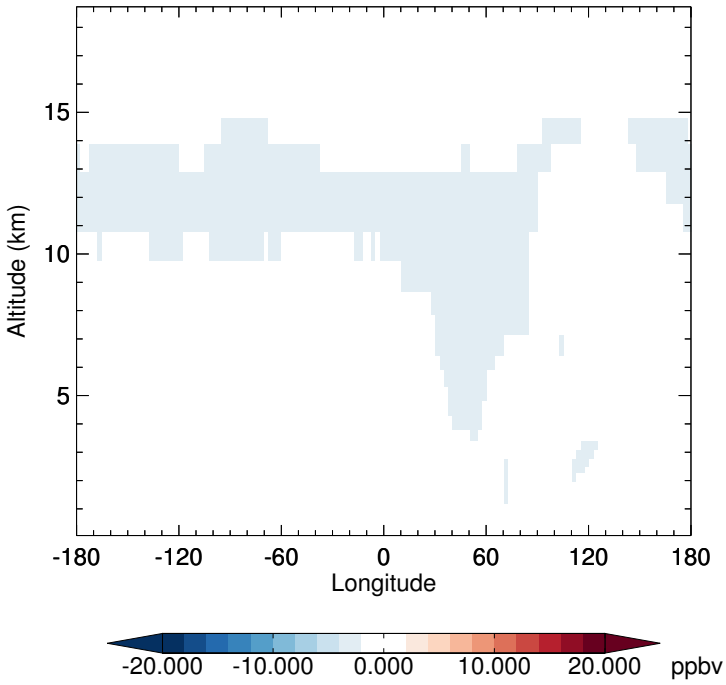

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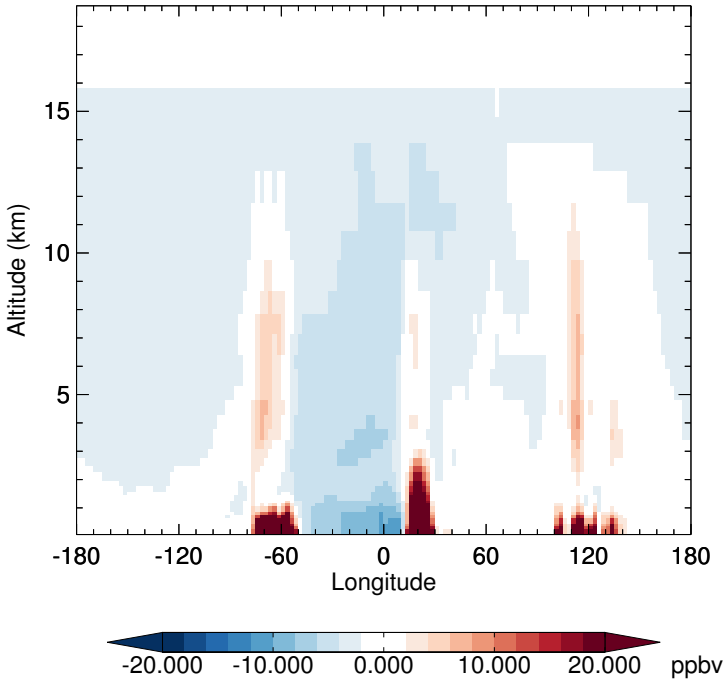
CO - Diff along 0S for Oct



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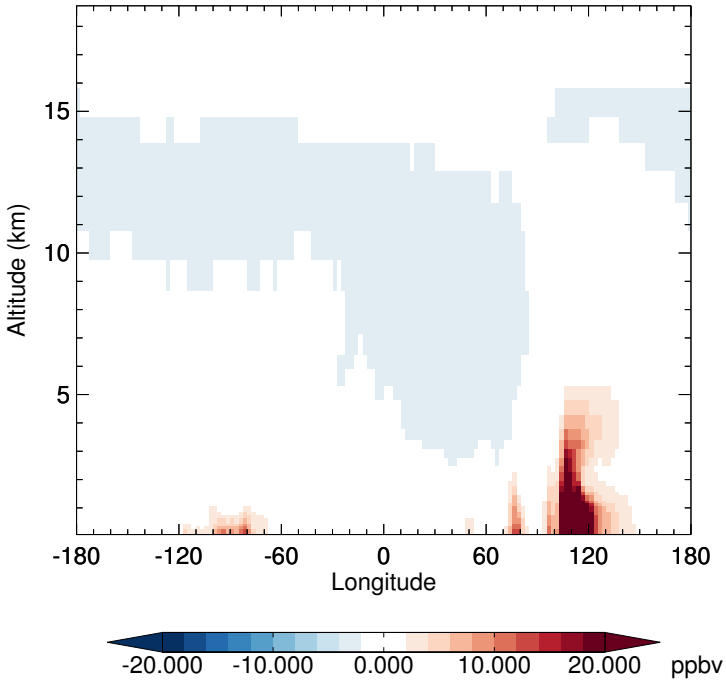
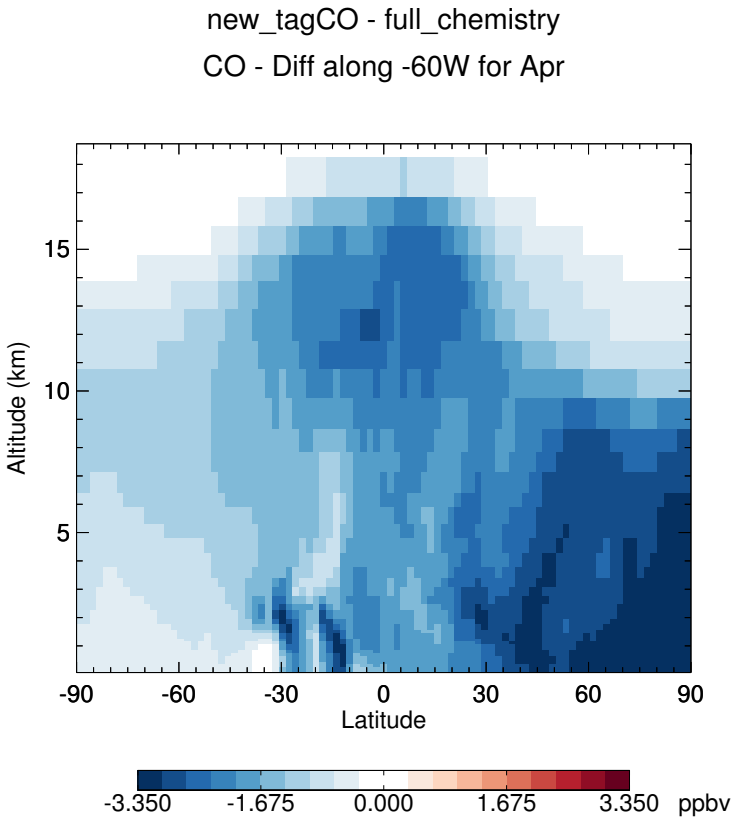
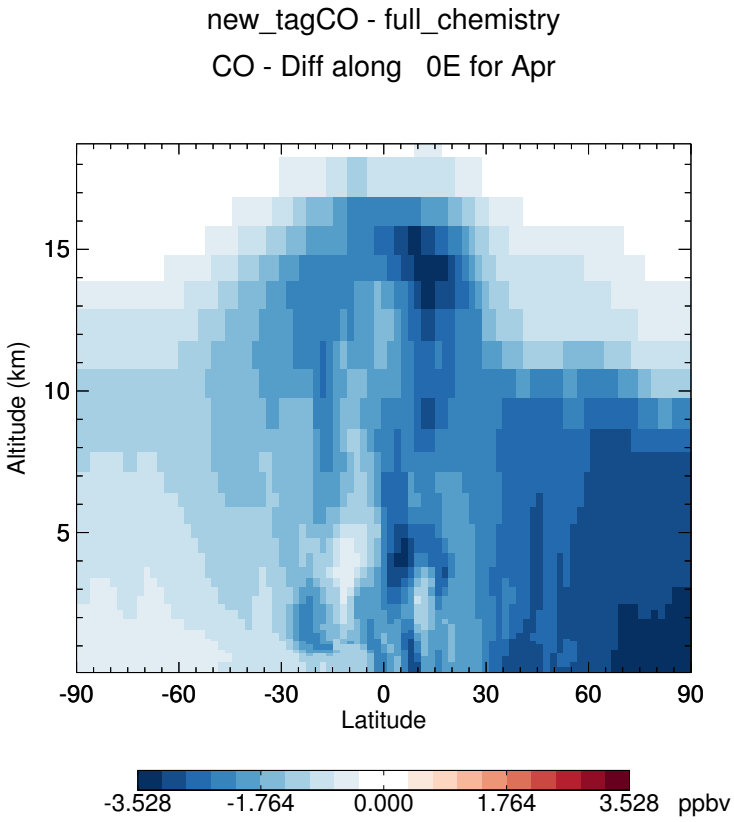
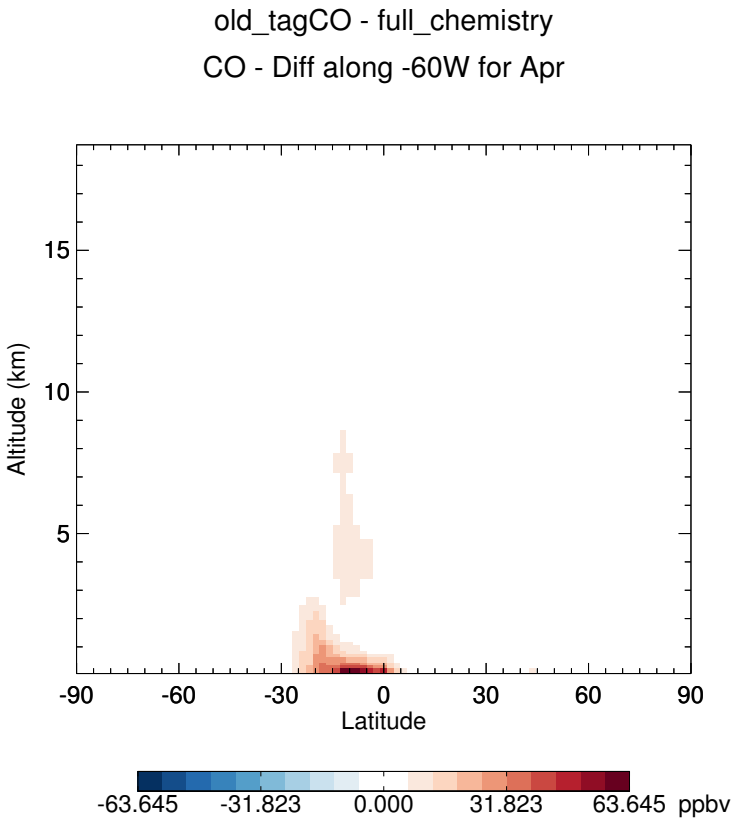
CO - Diff along 30N for Oct

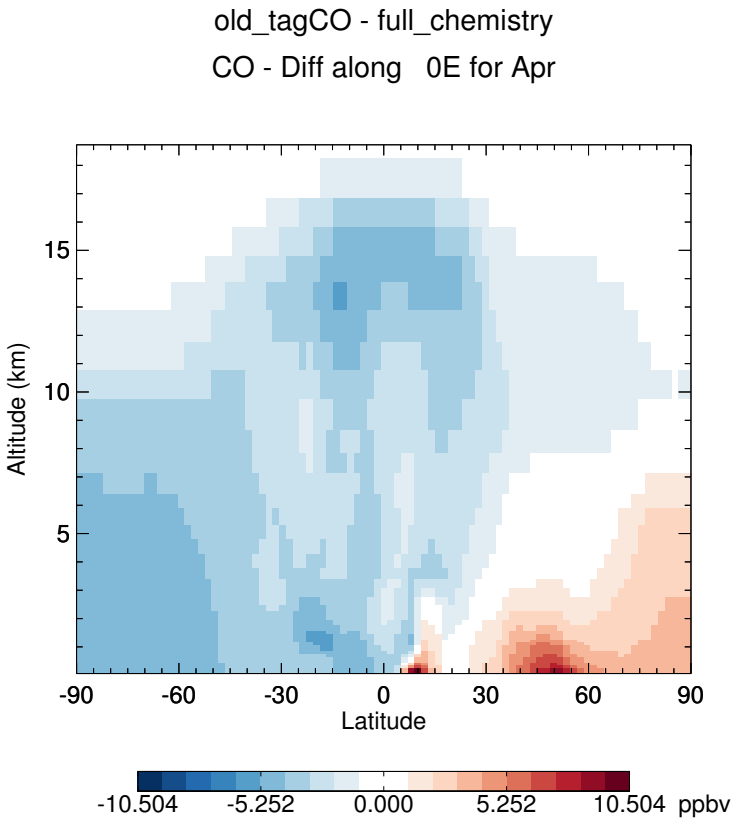


GEOS-Chem Latitudinal Difference Profiles

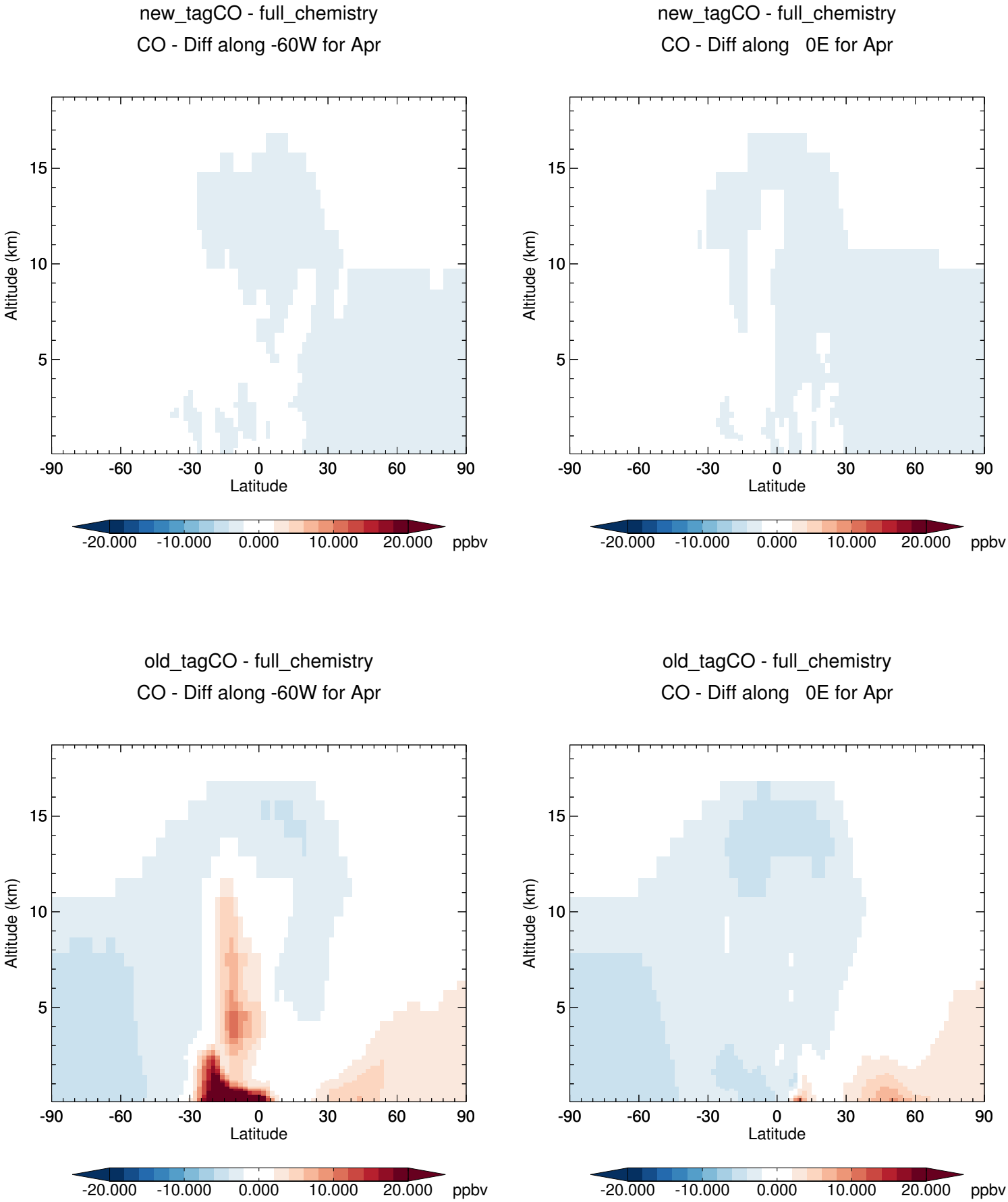








GEOS-Chem Latitudinal Difference Profiles



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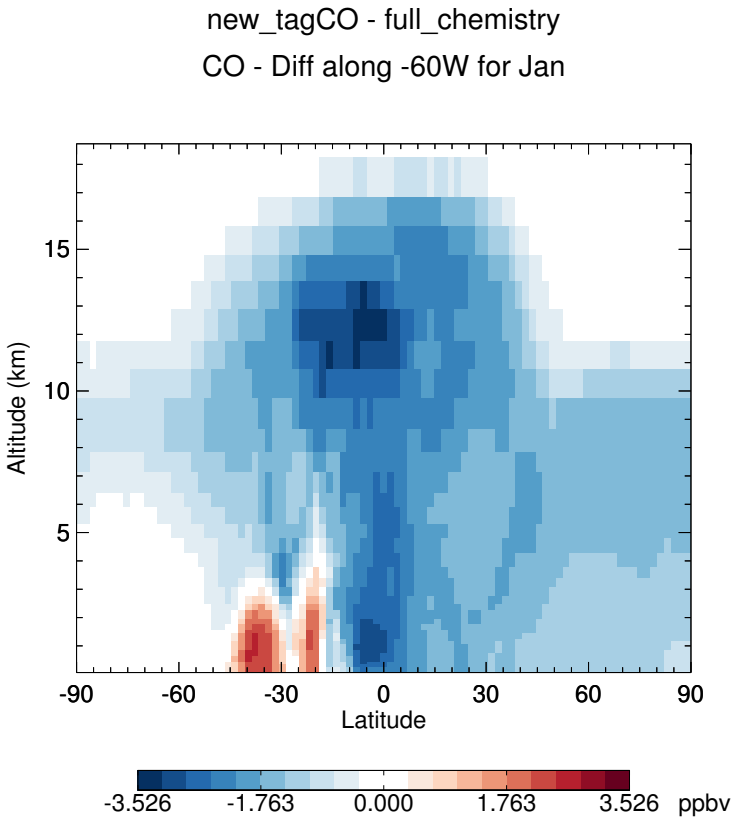

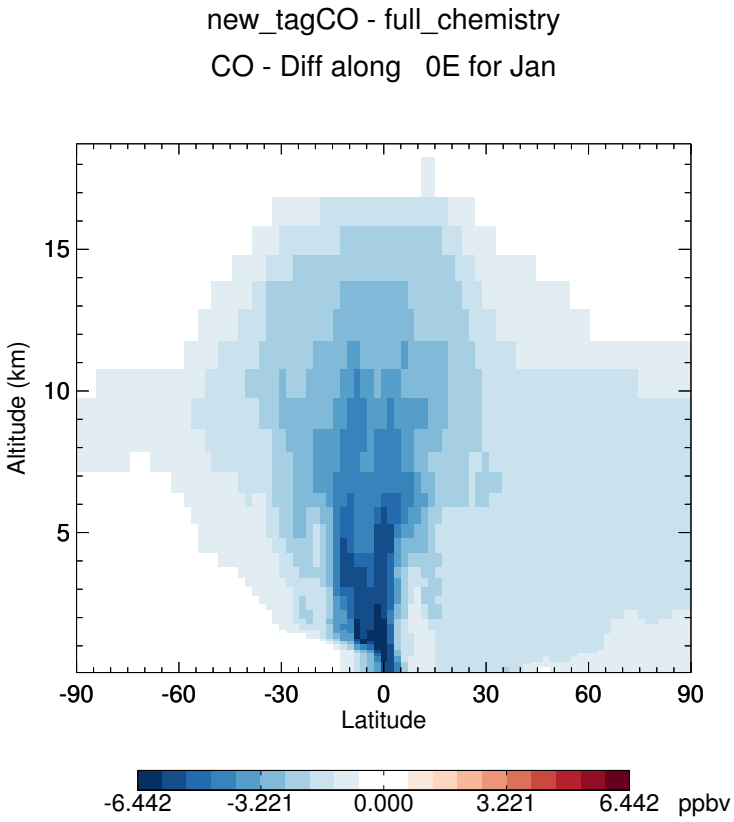

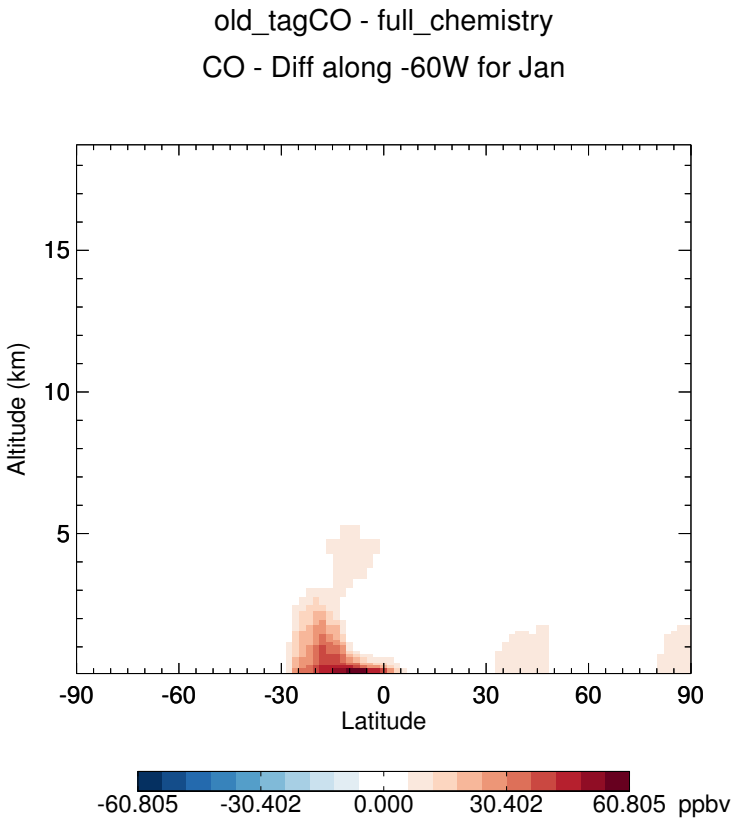

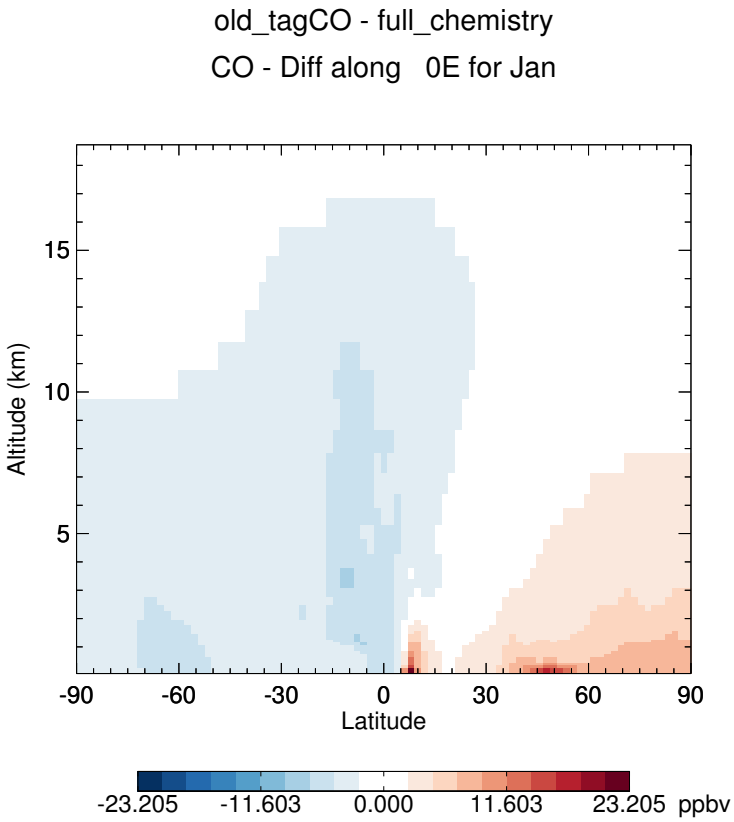

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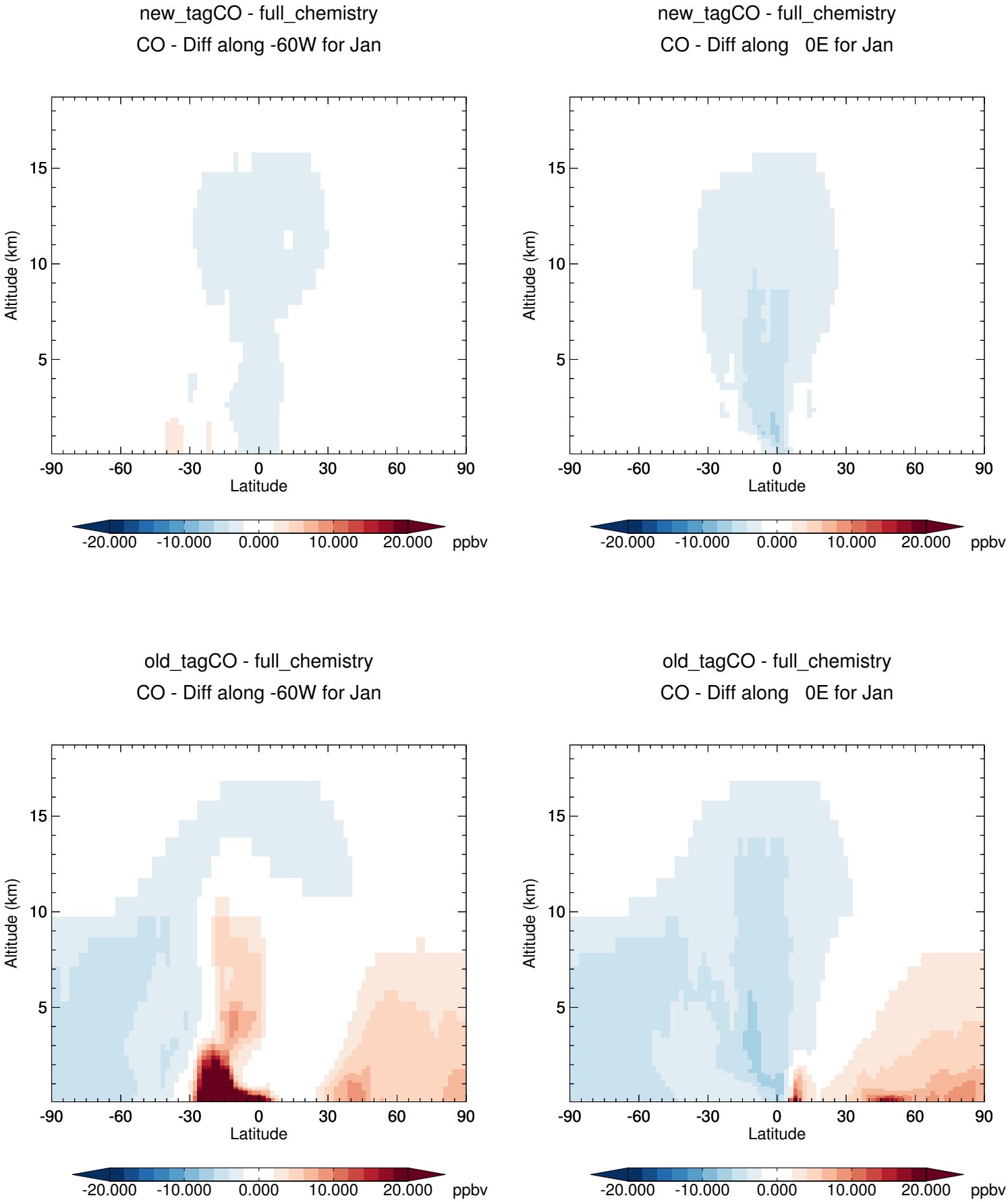

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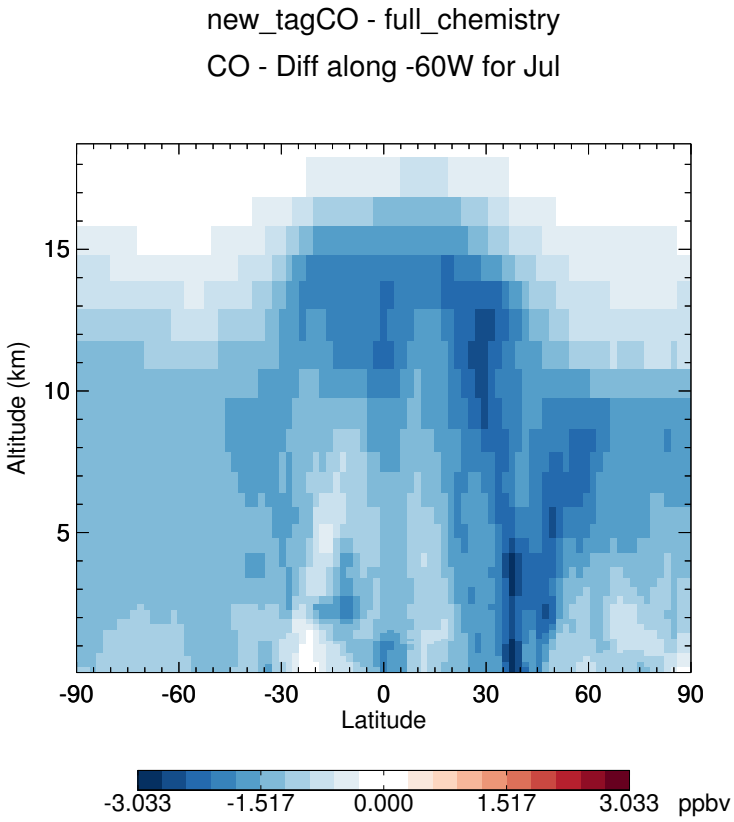

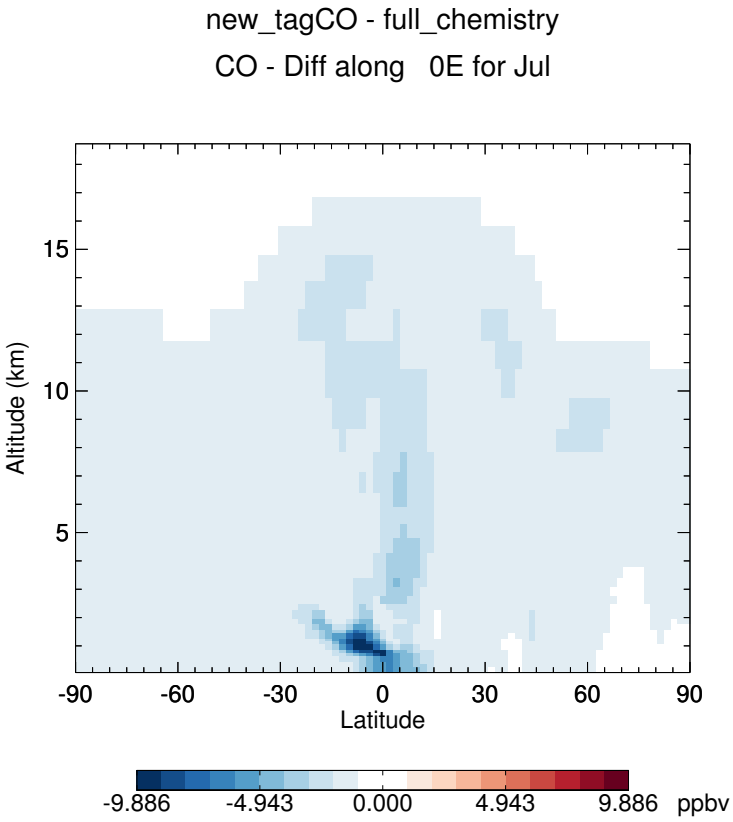

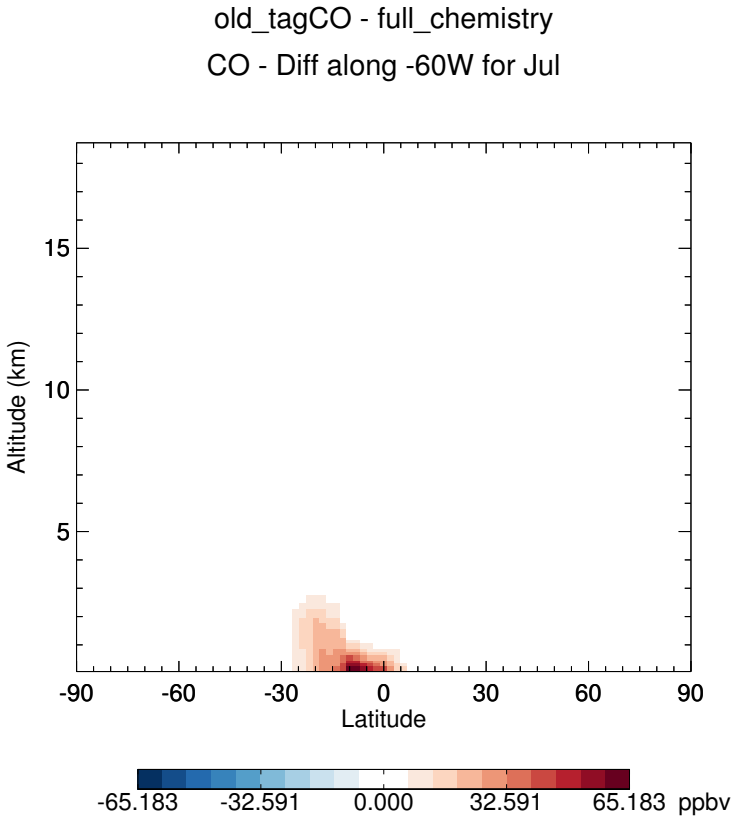

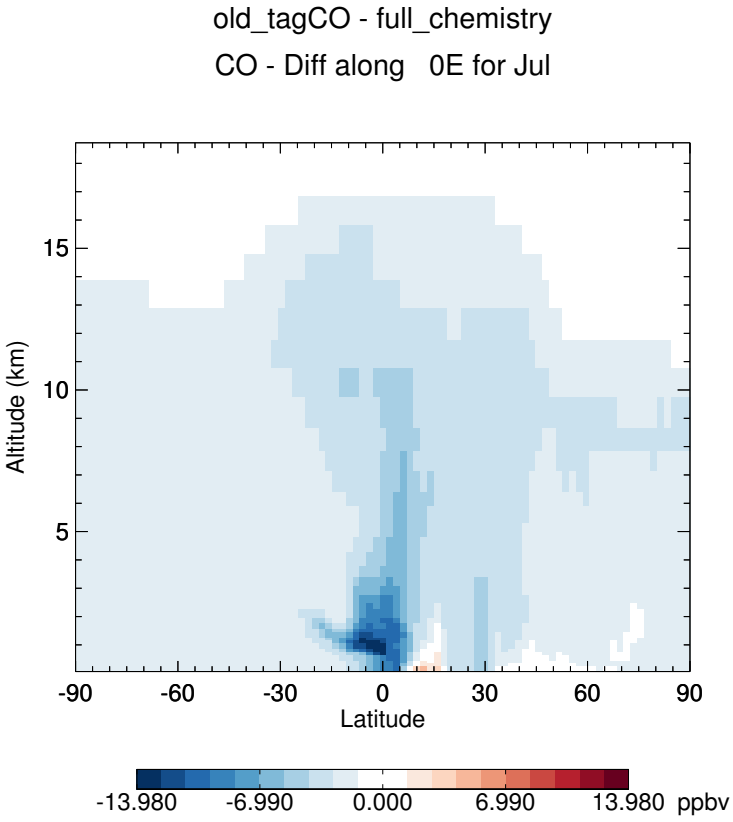

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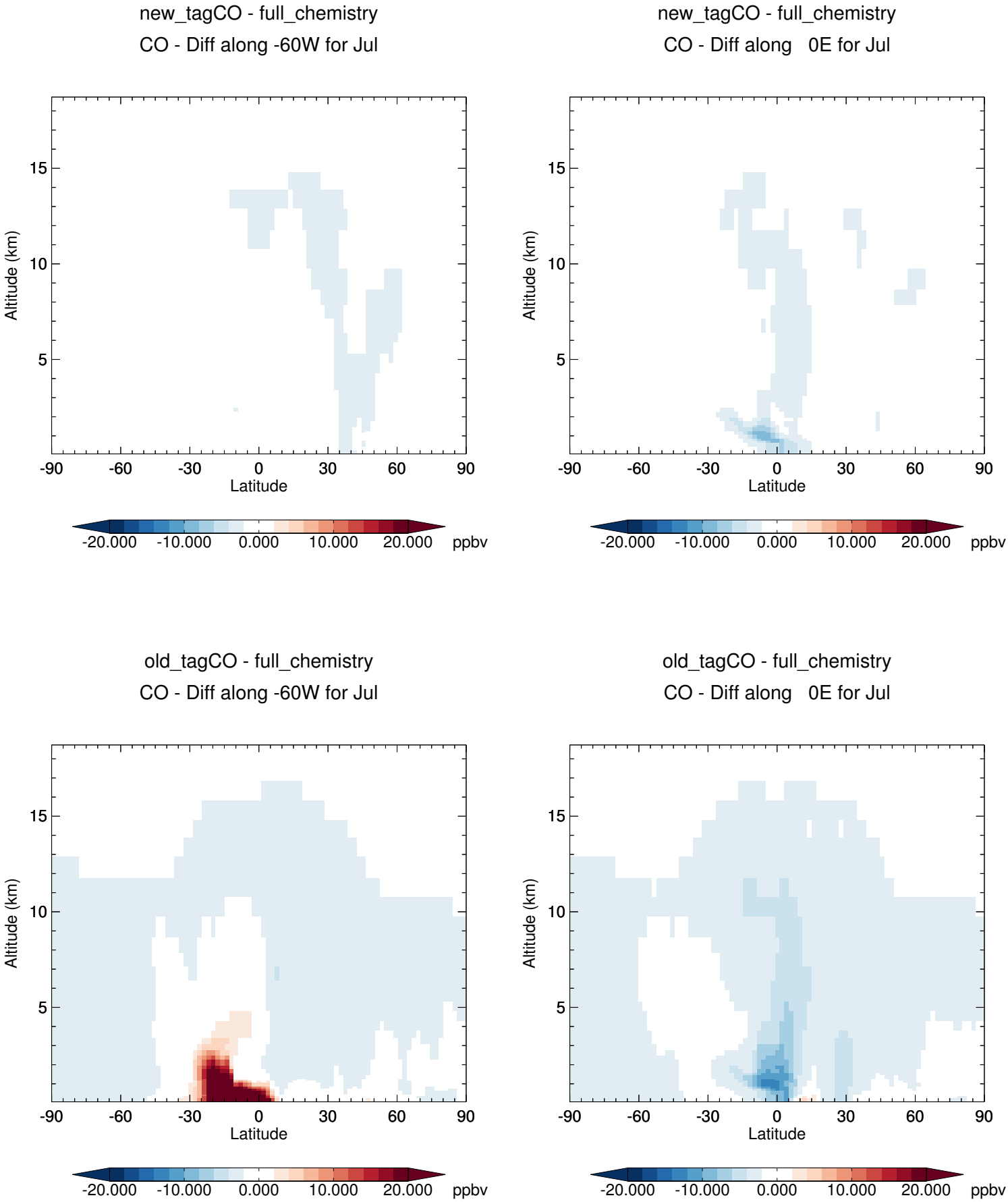

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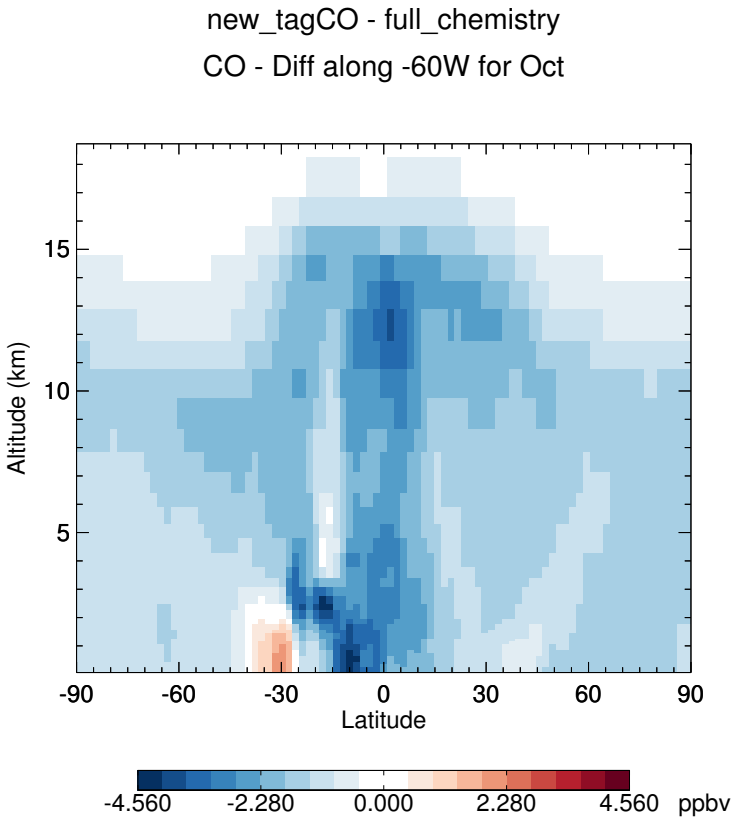
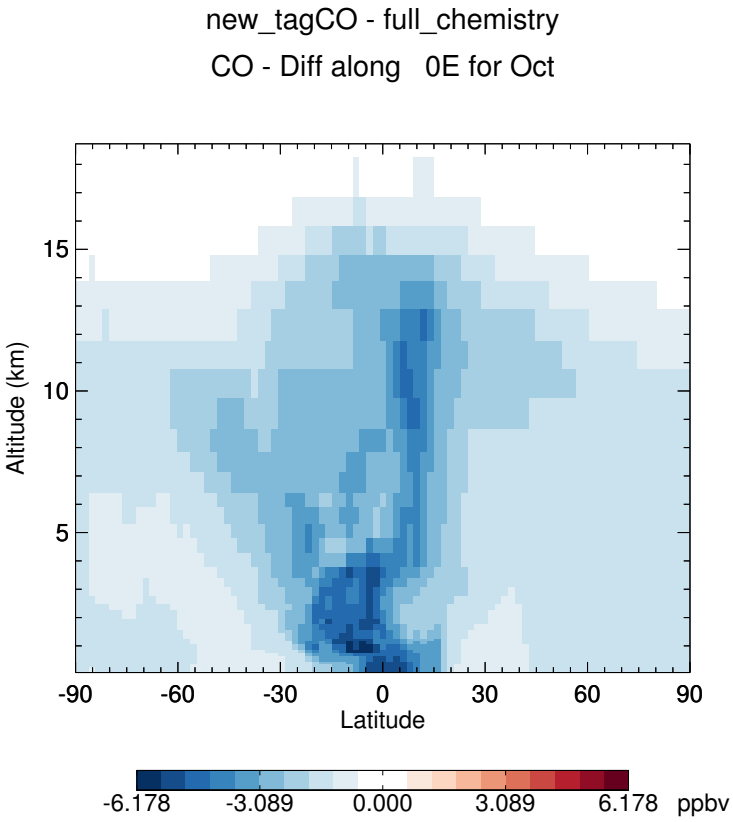
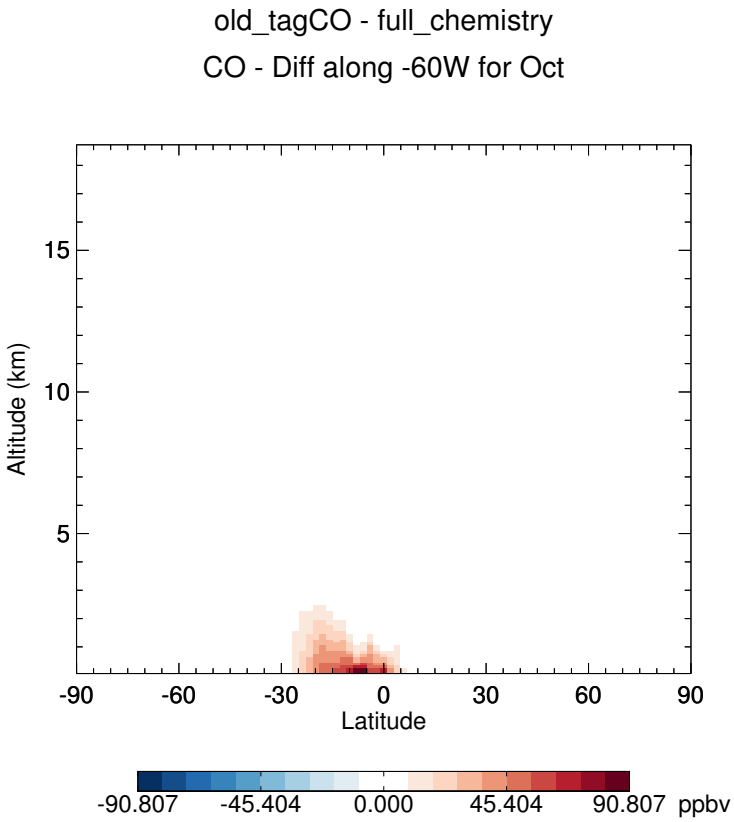
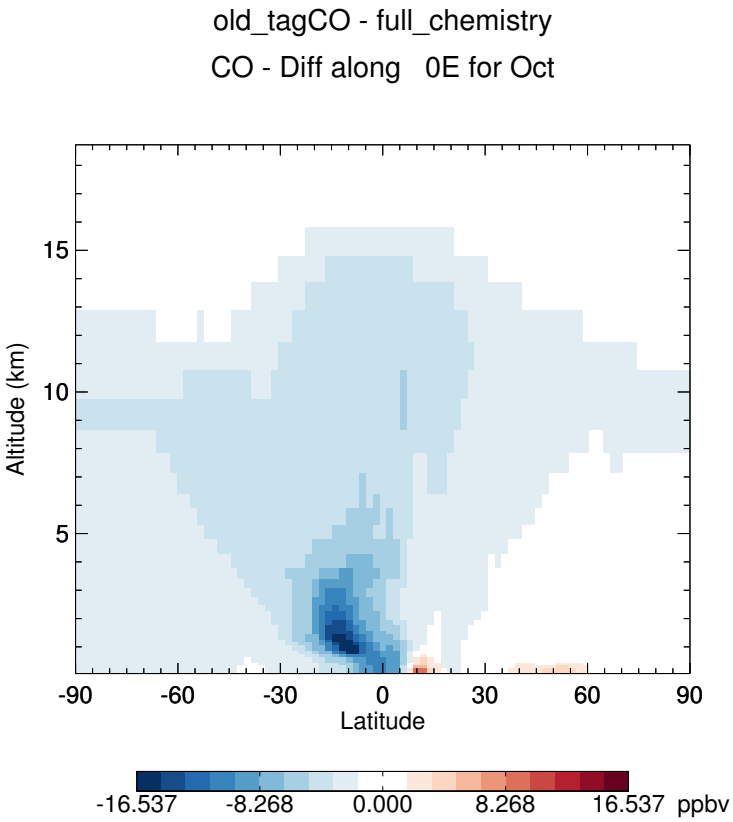
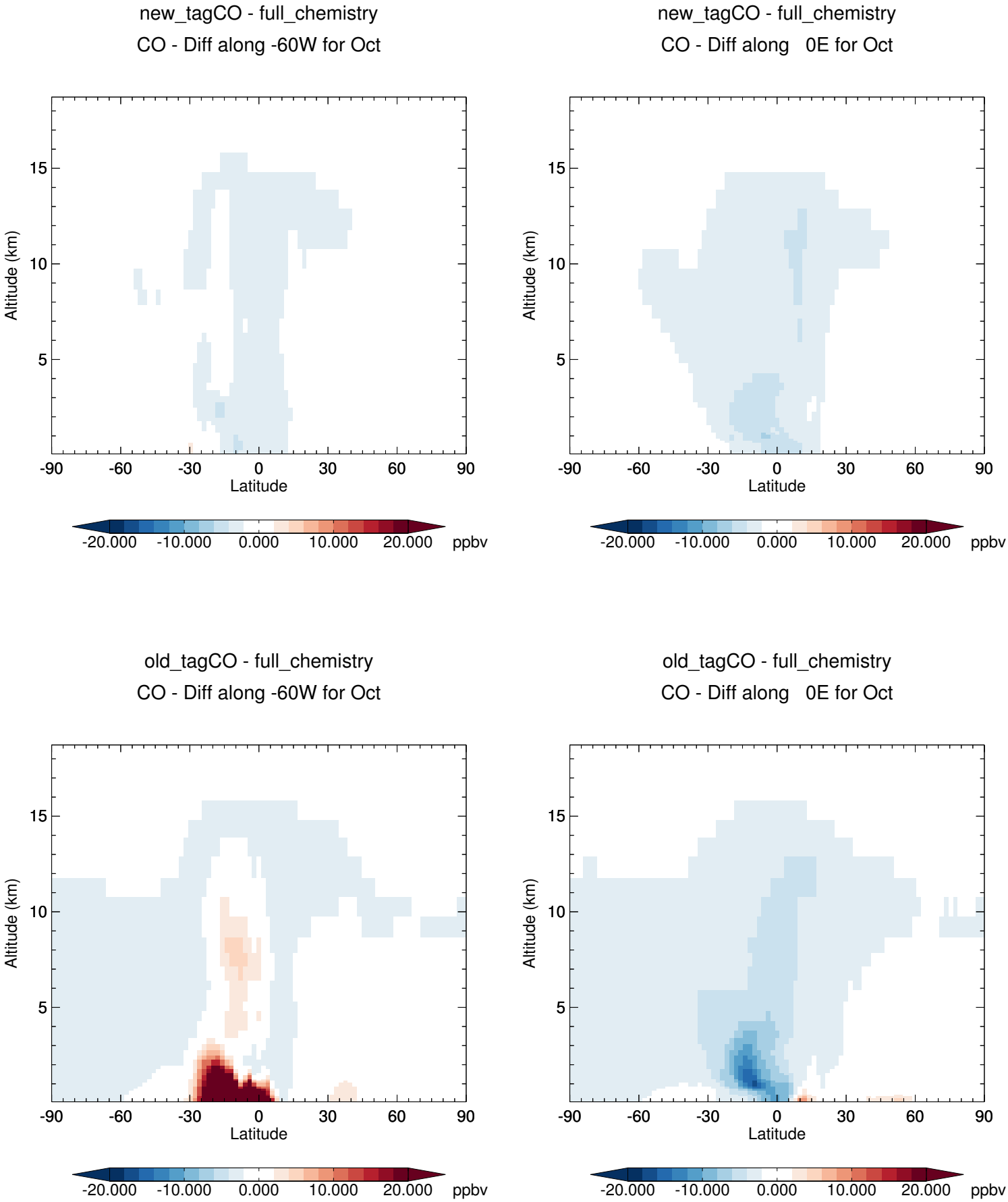








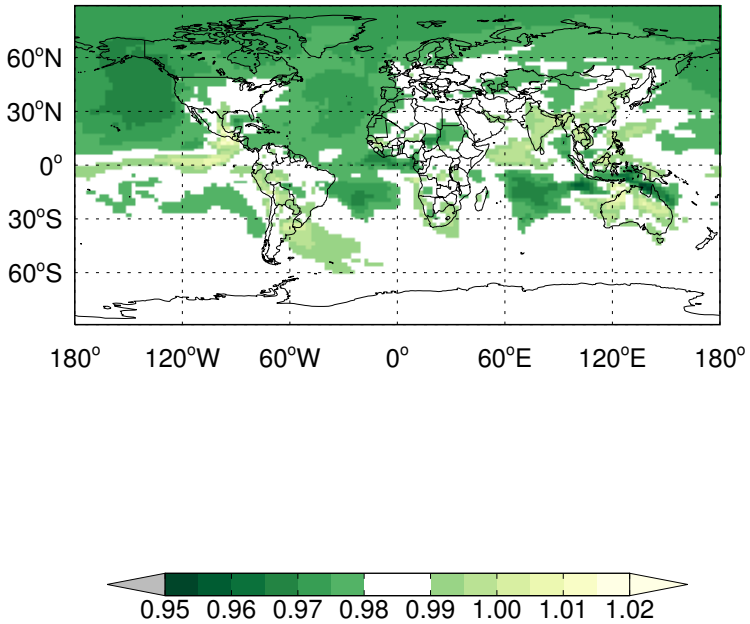
GEOS-Chem Latitudinal Difference Profiles



GEOS-Chem Ratio Maps at surface and 500 hPa

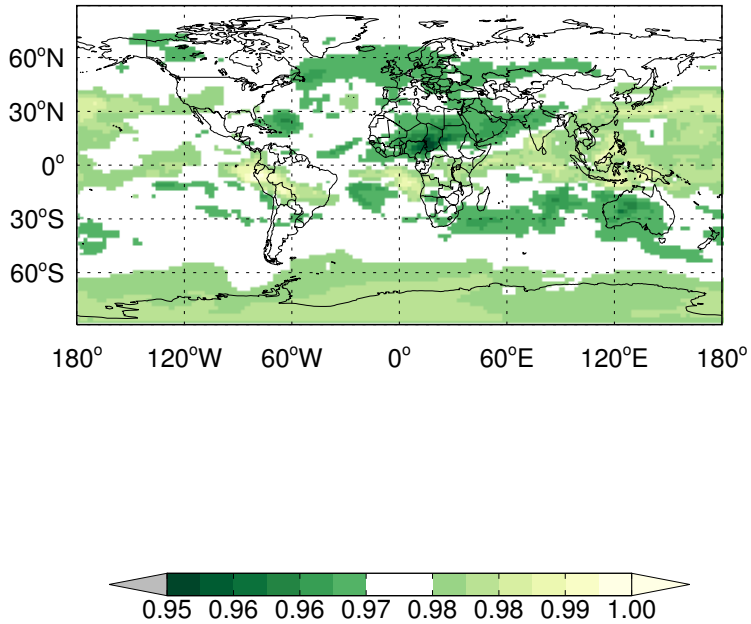
new_tagCO - full_chemistry

CO - Ratio @ Surface for Apr



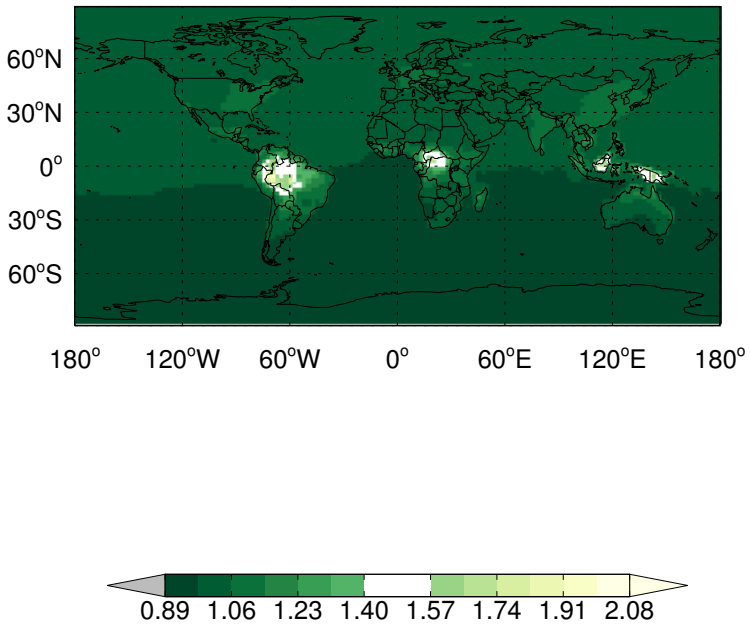
new_tagCO - full_chemistry

CO - Ratio @ Surface for Apr



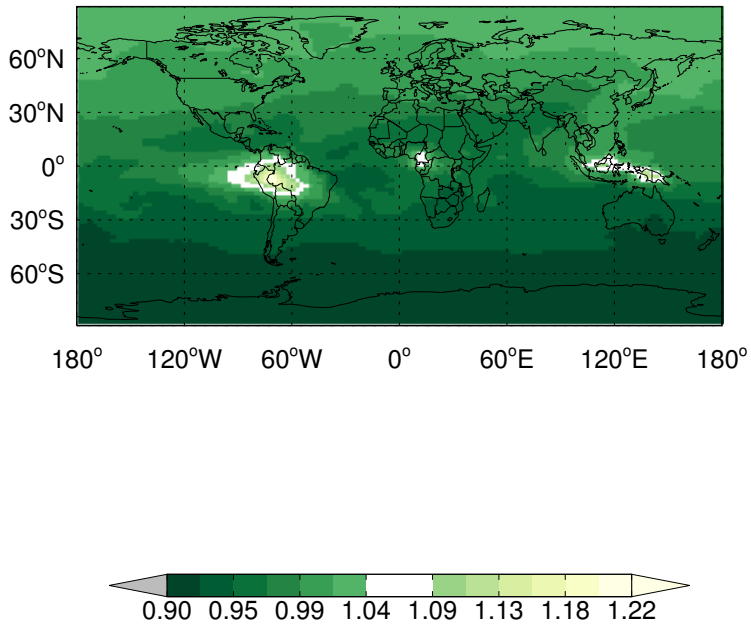
old_tagCO - full_chemistry

CO - Ratio @ Surface for Apr



old_tagCO - full_chemistry

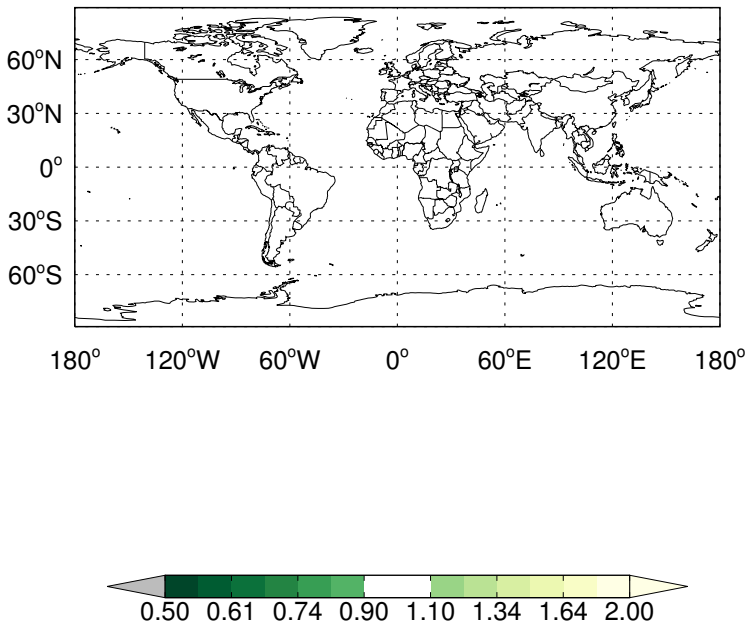
CO - Ratio @ Surface for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

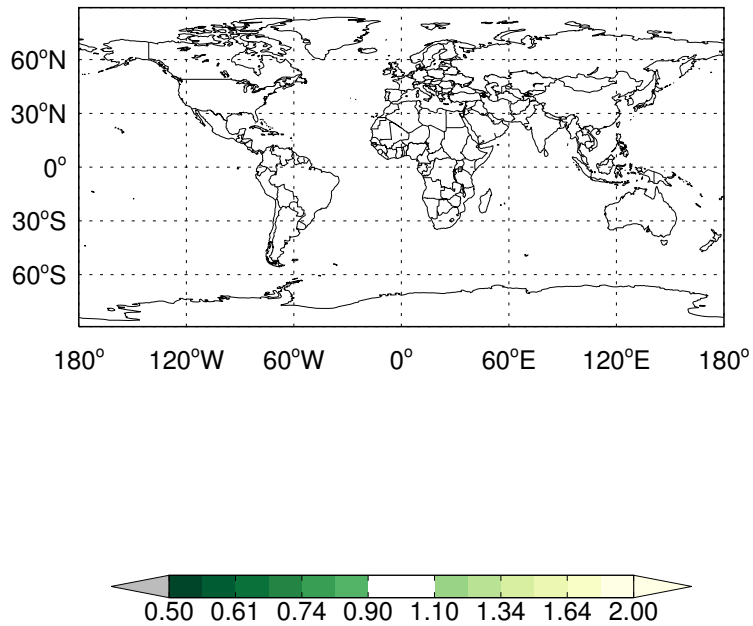
new_tagCO - full_chemistry

CO - Ratio @ Surface for Apr



new_tagCO - full_chemistry

CO - Ratio @ Surface for Apr



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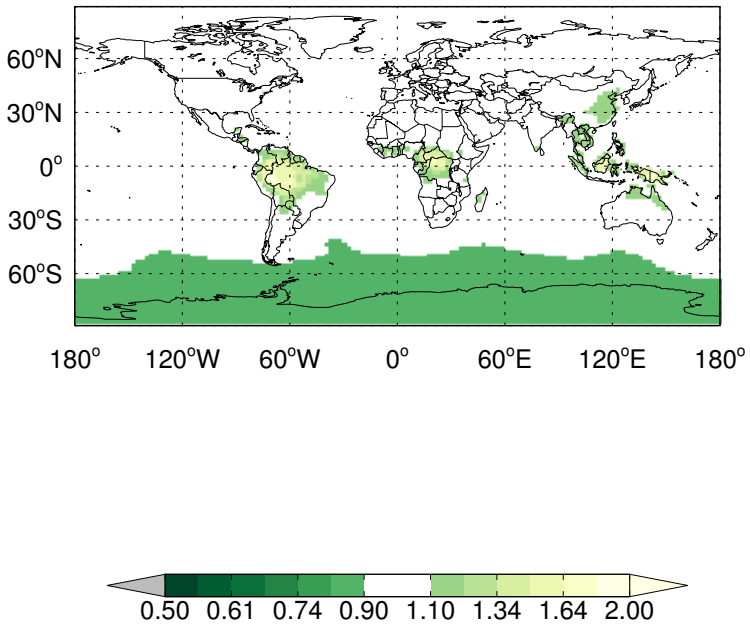
CO - Ratio @ Surface for Apr



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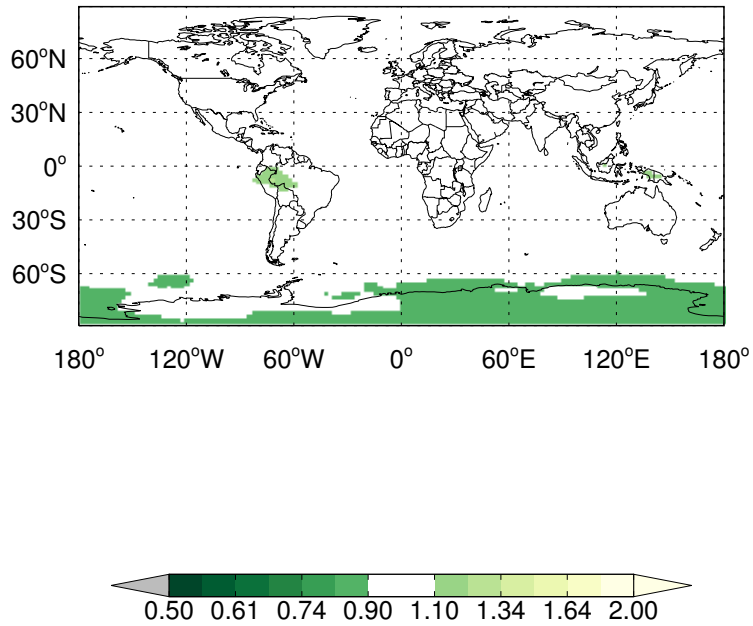
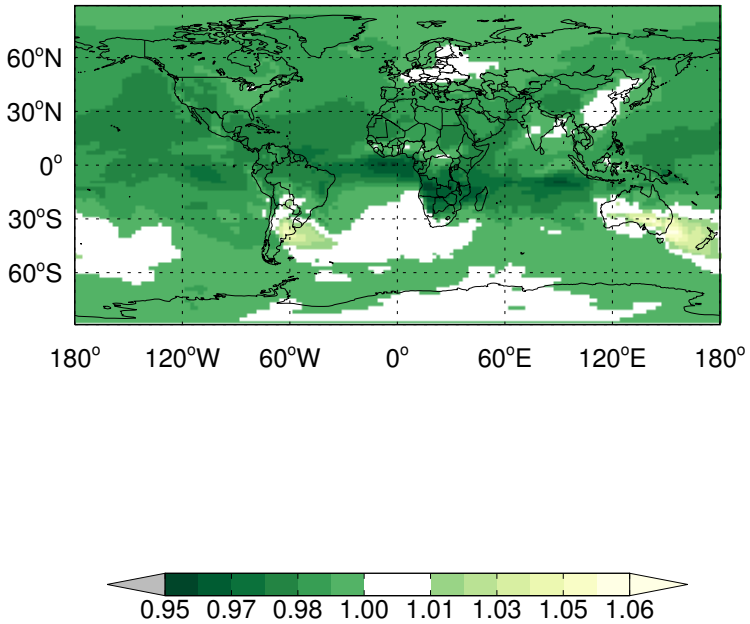
CO - Ratio @ Surface for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

new_tagCO - full_chemistry

CO - Ratio @ Surface for Jan



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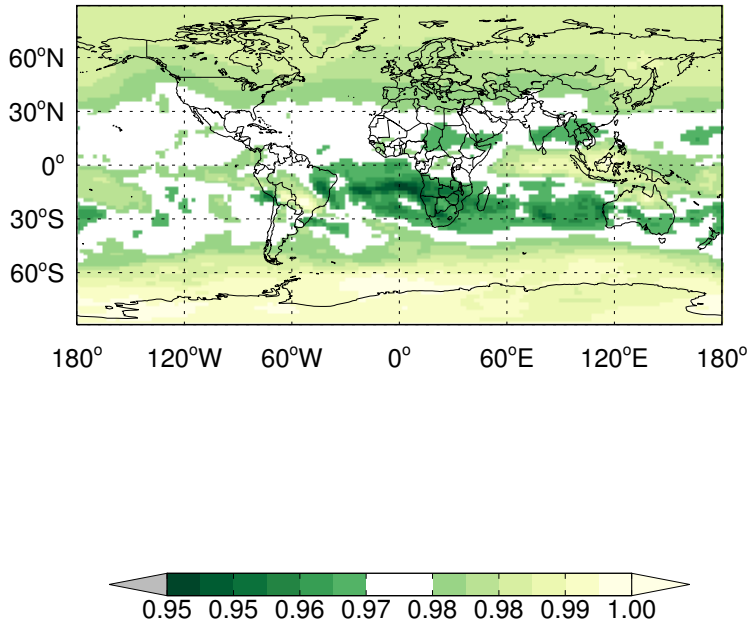
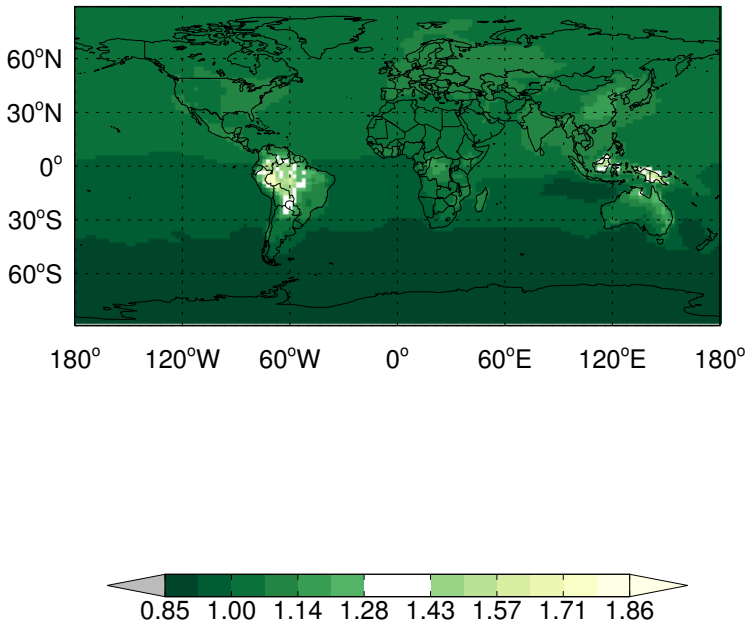
CO - Ratio @ Surface for Jan



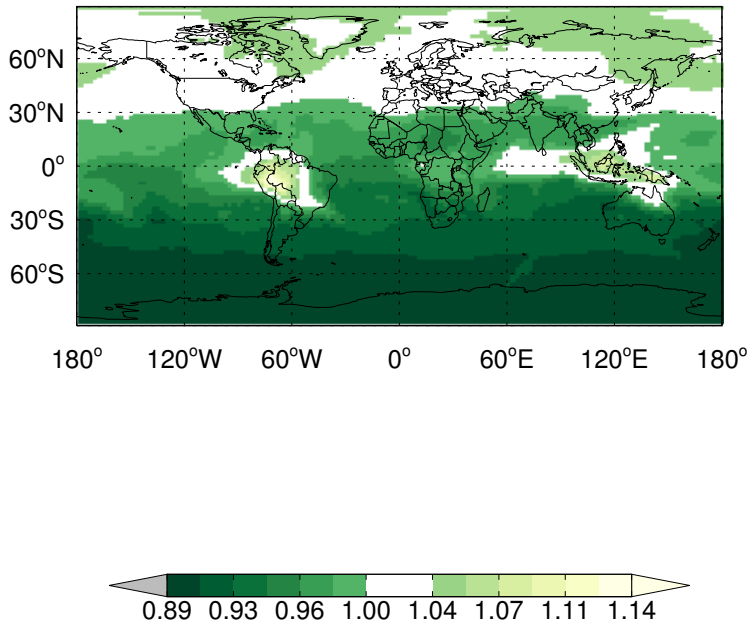
old_tagCO - full_chemistry

CO - Ratio @ Surface for Jan

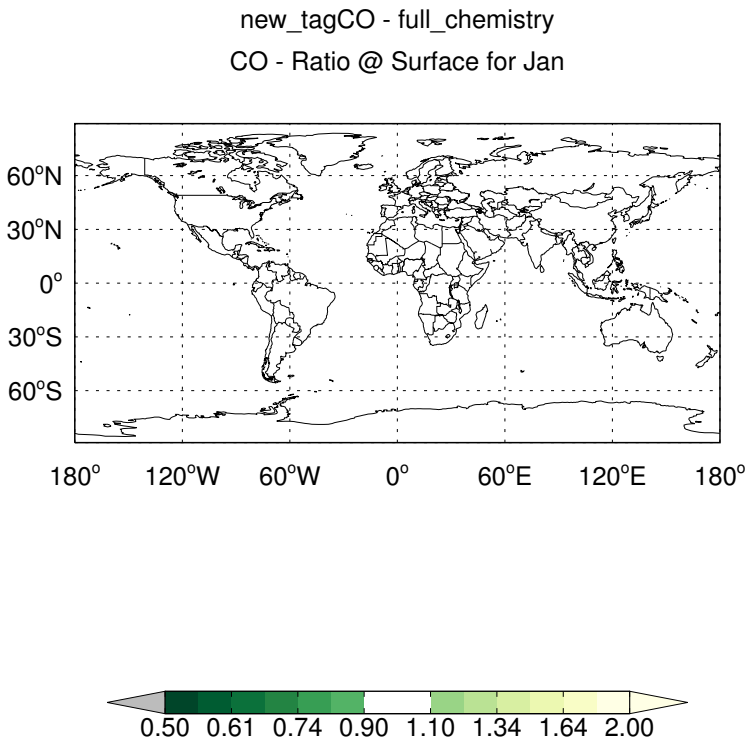


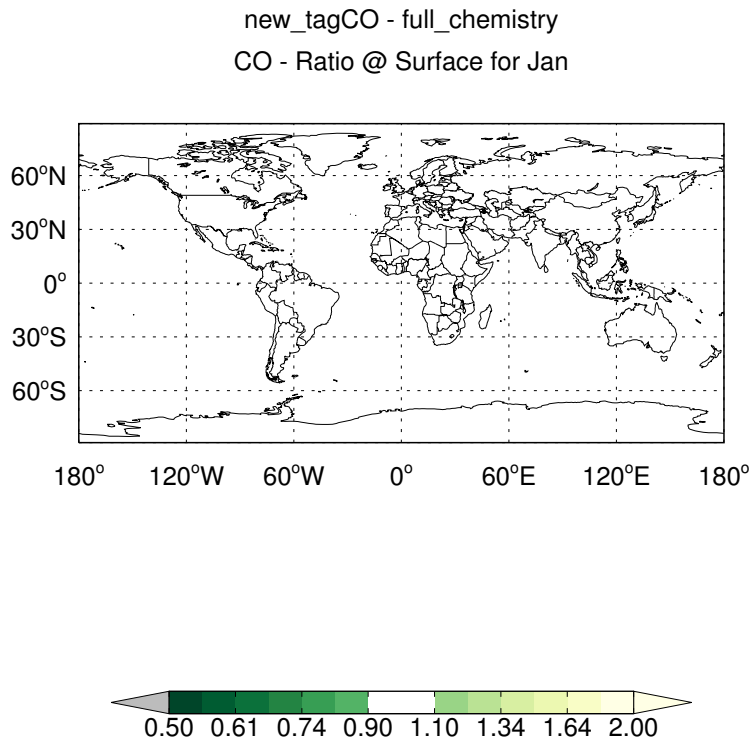
old_tagCO - full_chemistry

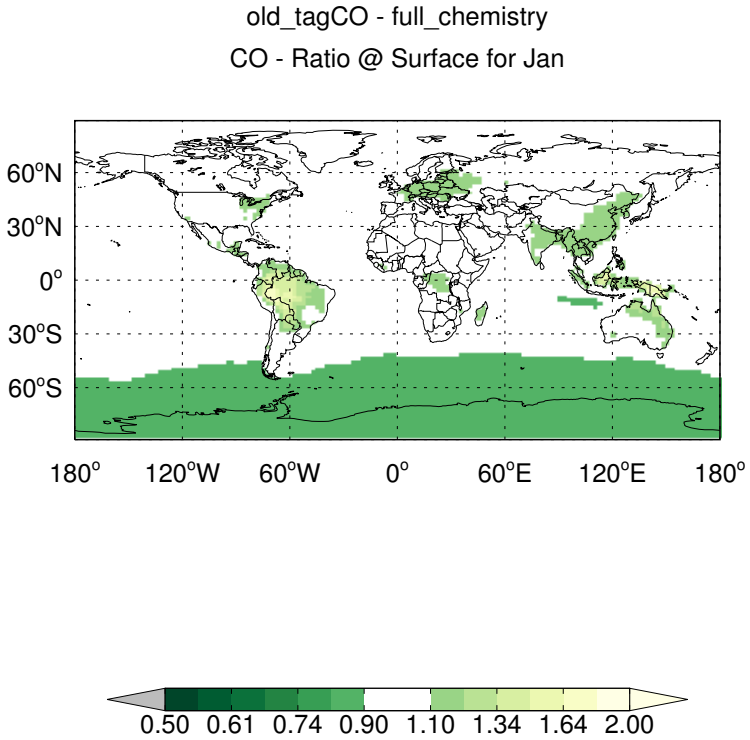
CO - Ratio @ Surface for Jan

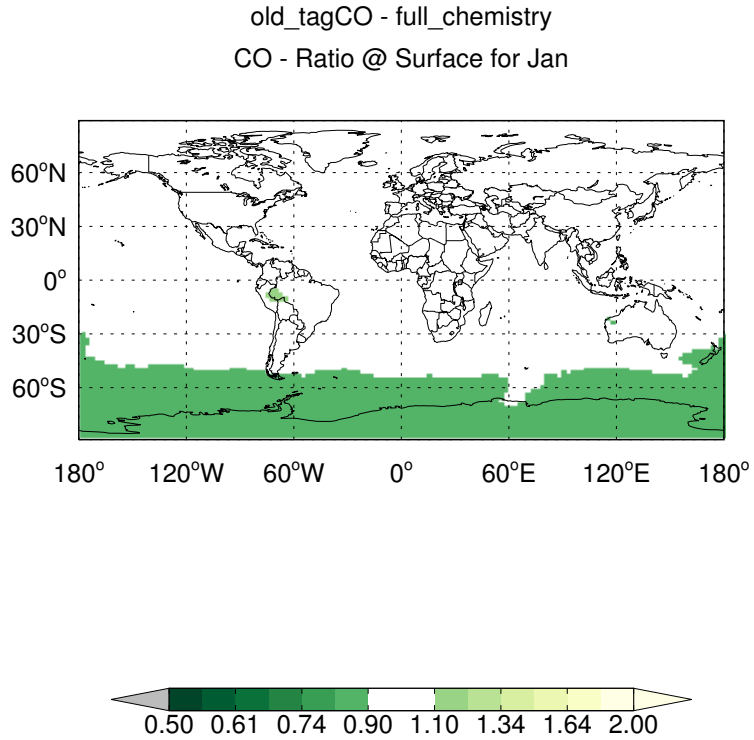


GEOS-Chem Ratio Maps at surface and 500 hPa

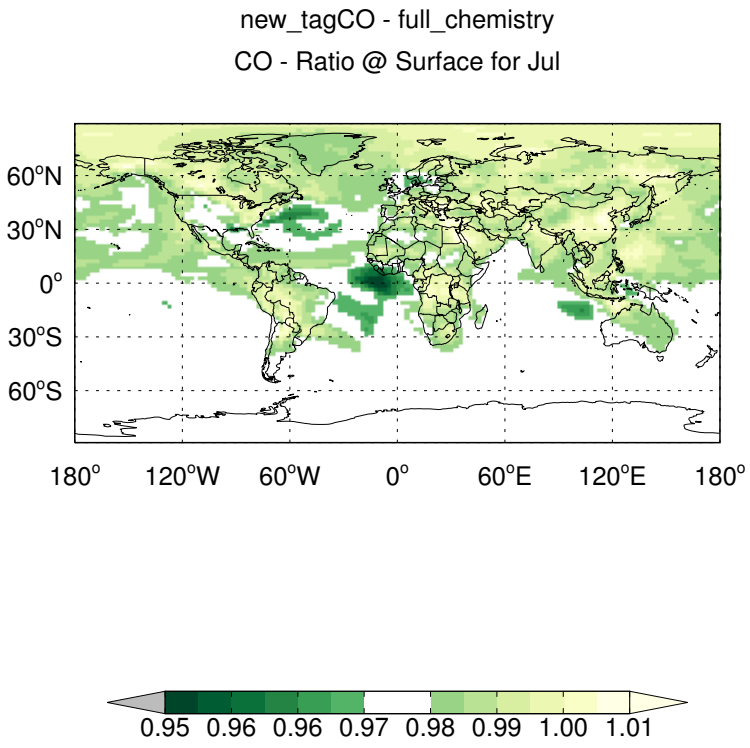


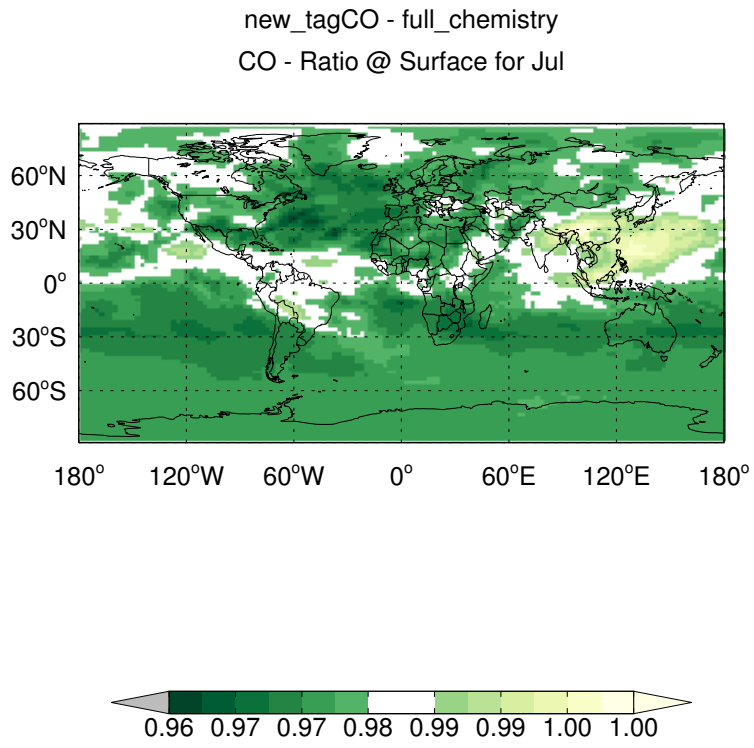


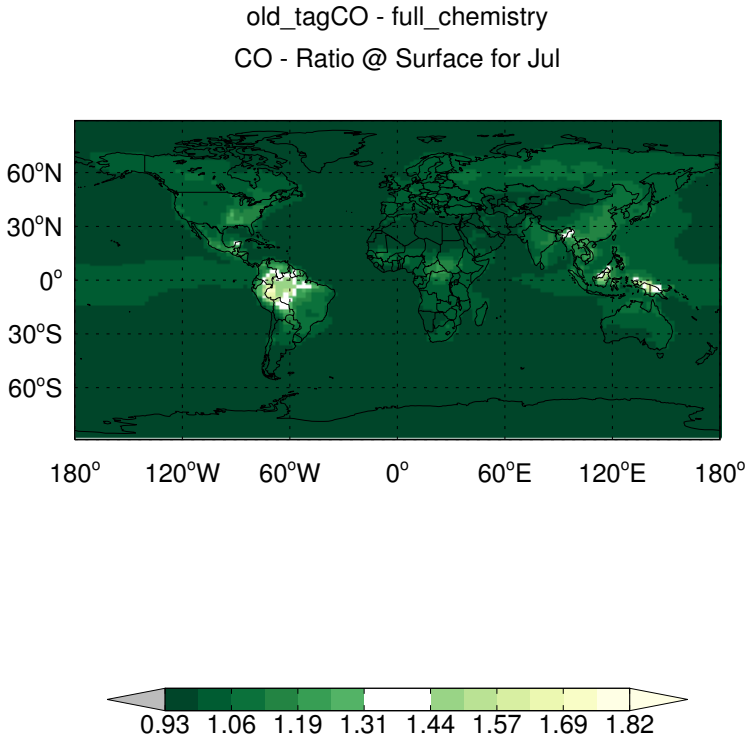


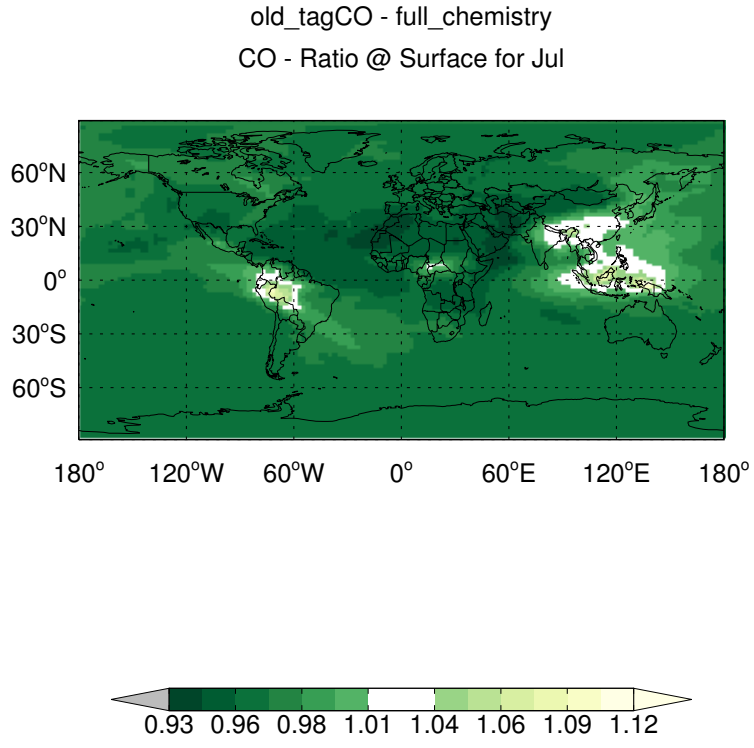


GEOS-Chem Ratio Maps at surface and 500 hPa





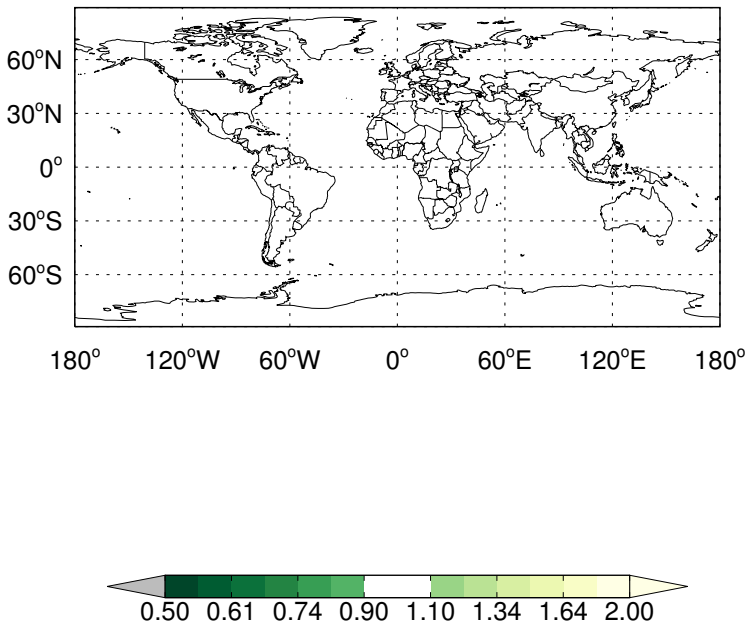




GEOS-Chem Ratio Maps at surface and 500 hPa

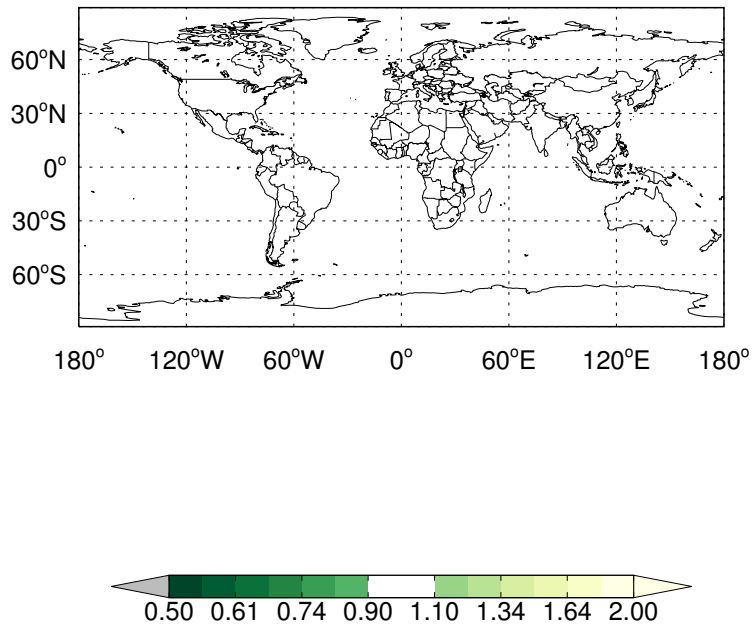
new_tagCO - full_chemistry

CO - Ratio @ Surface for Jul



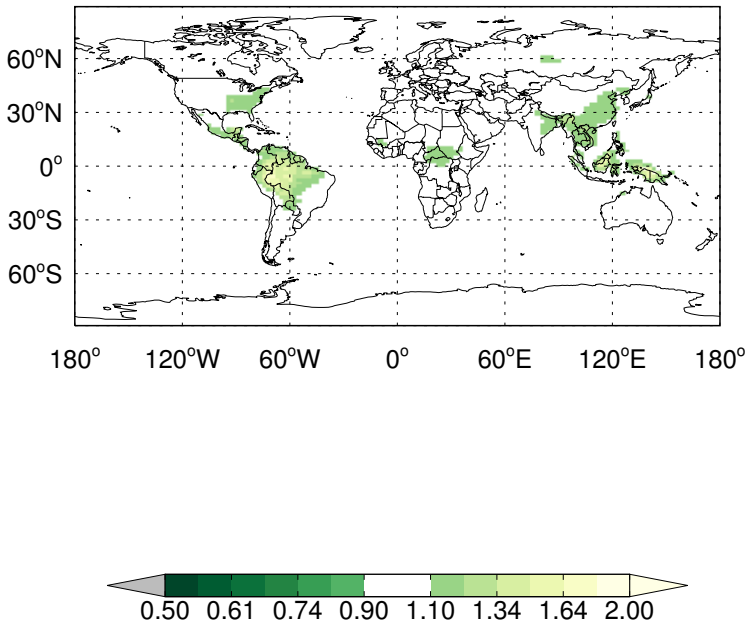
new_tagCO - full_chemistry

CO - Ratio @ Surface for Jul



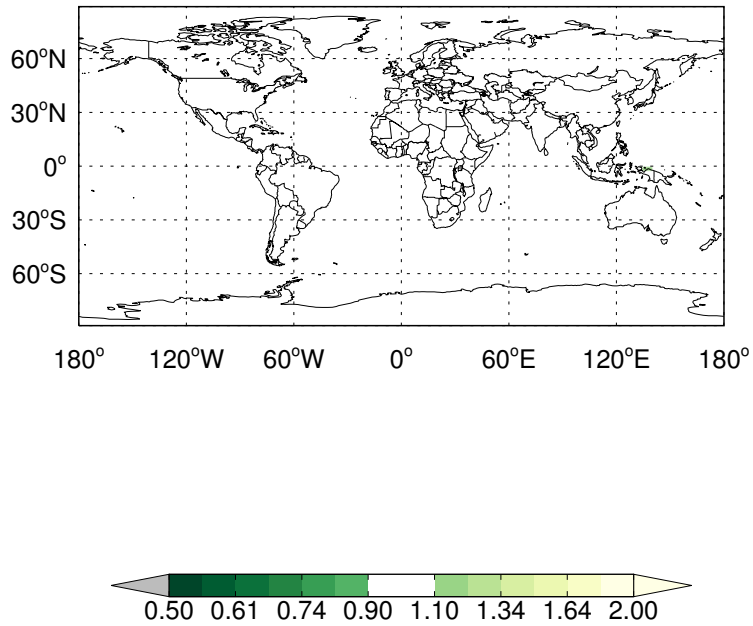
old_tagCO - full_chemistry

CO - Ratio @ Surface for Jul

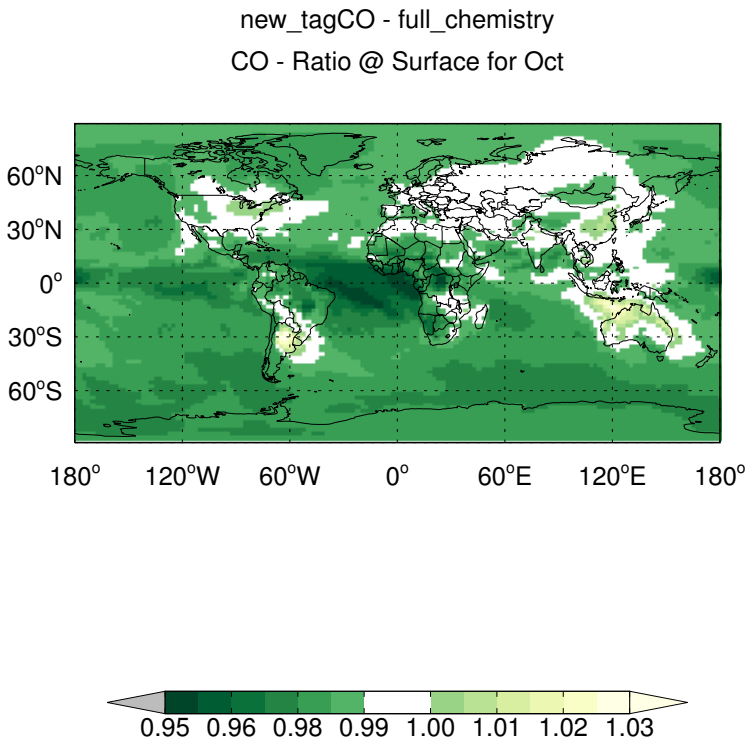


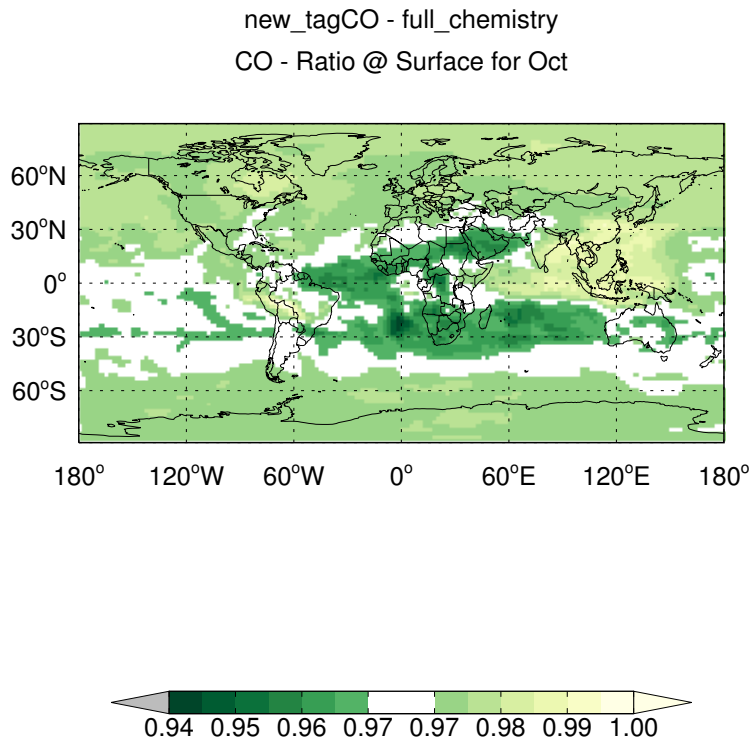
old_tagCO - full_chemistry

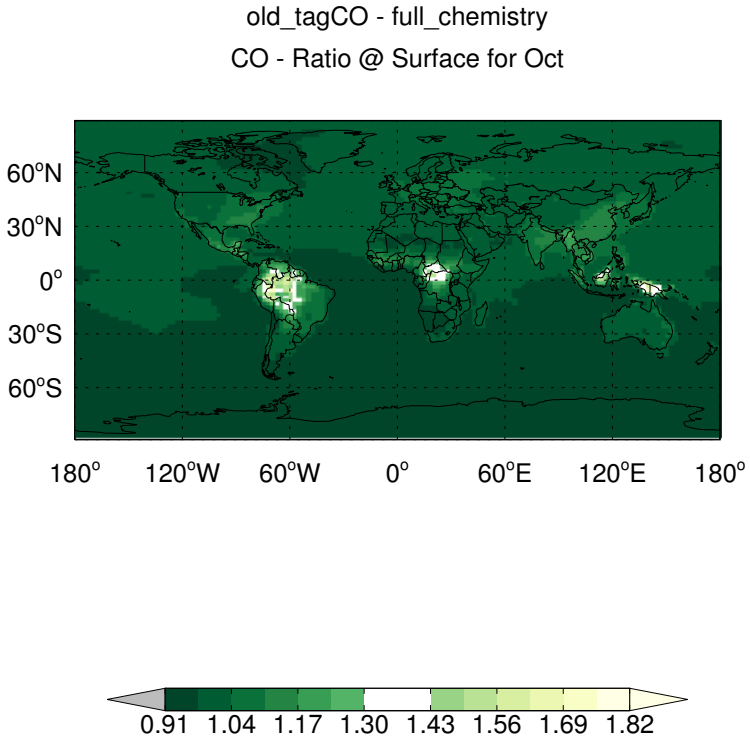
CO - Ratio @ Surface for Jul

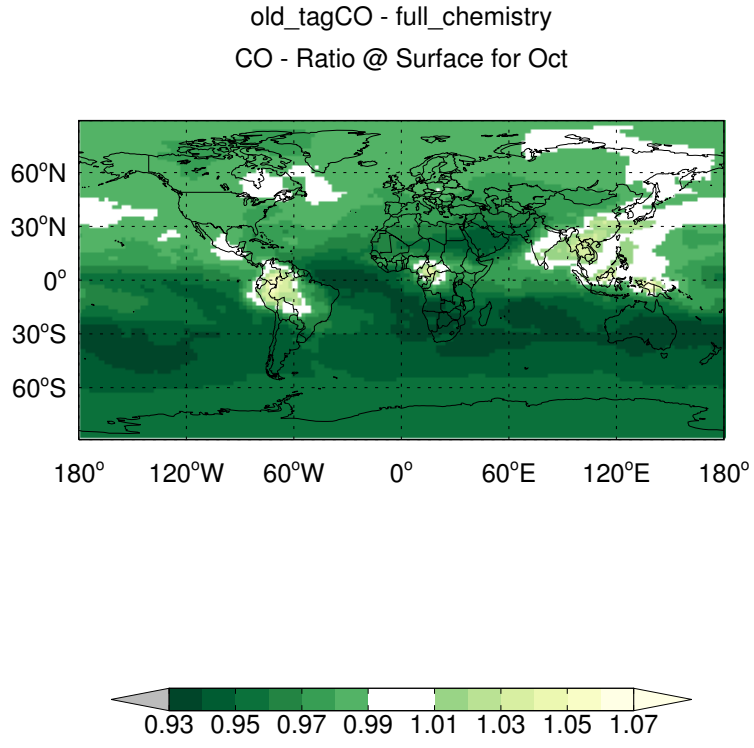


GEOS-Chem Ratio Maps at surface and 500 hPa



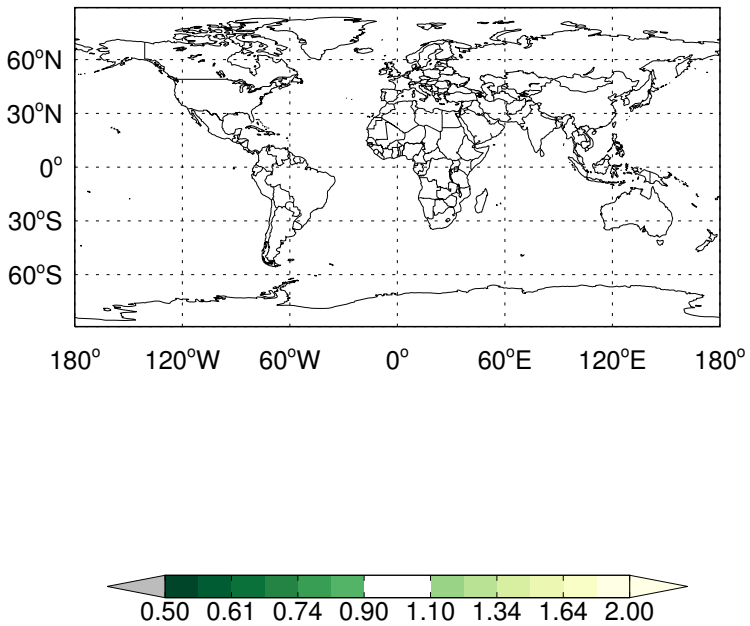




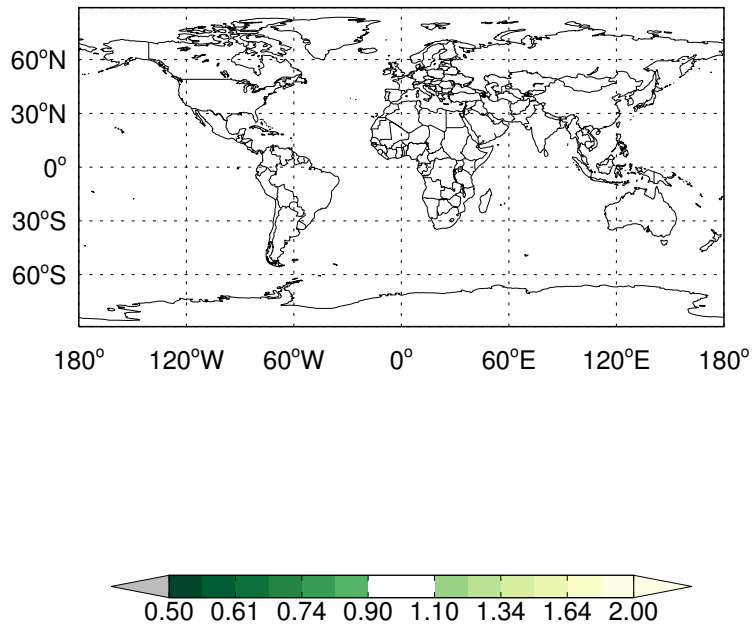


GEOS-Chem Ratio Maps at surface and 500 hPa

new_tagCO - full_chemistry
CO - Ratio @ Surface for Oct



new_tagCO - full_chemistry
CO - Ratio @ Surface for Oct



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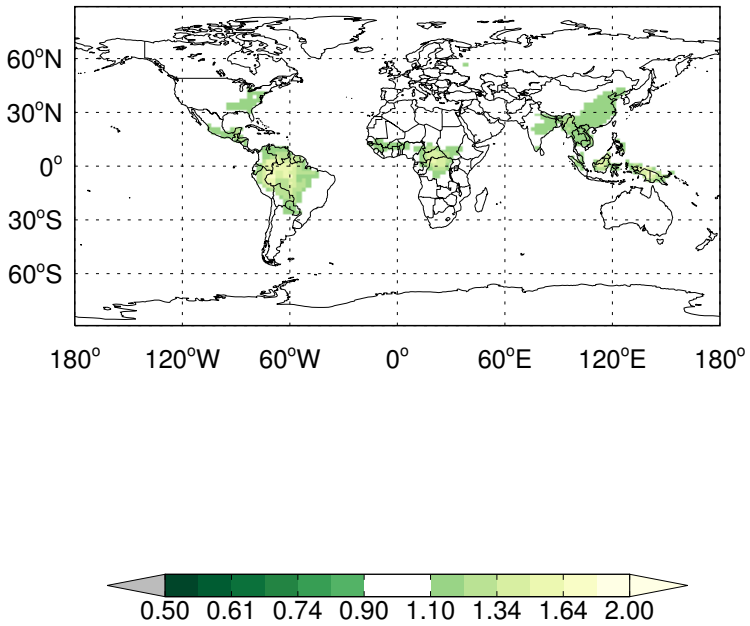
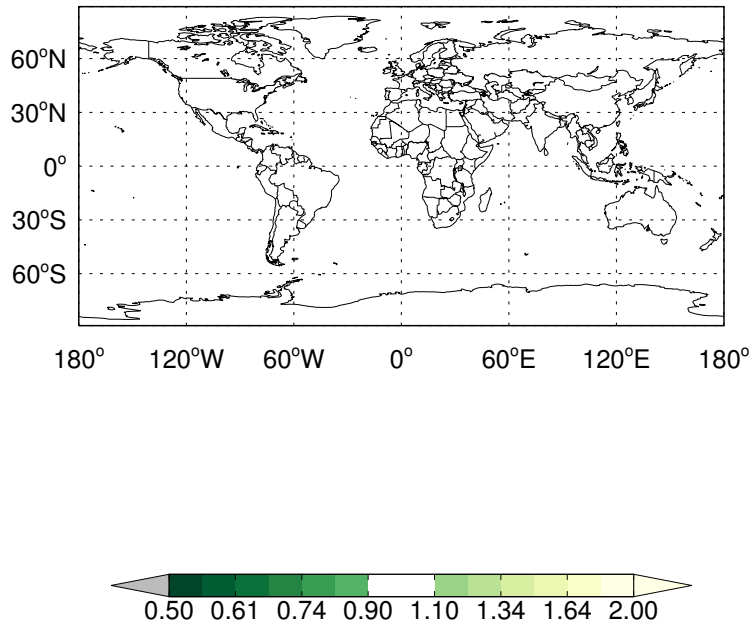
CO - Ratio @ Surface for Oct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CO - Ratio @ Surface for Oct