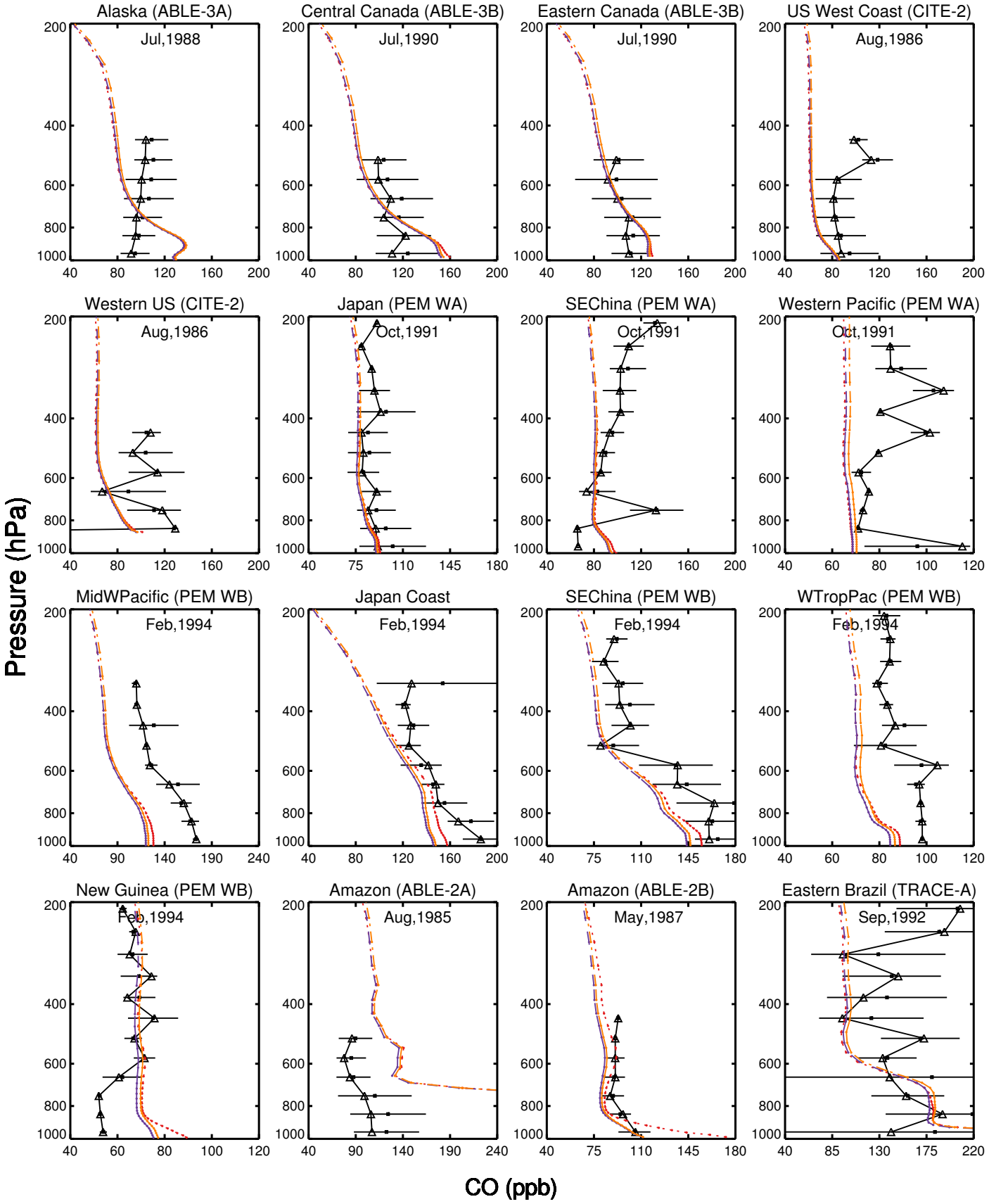
Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)



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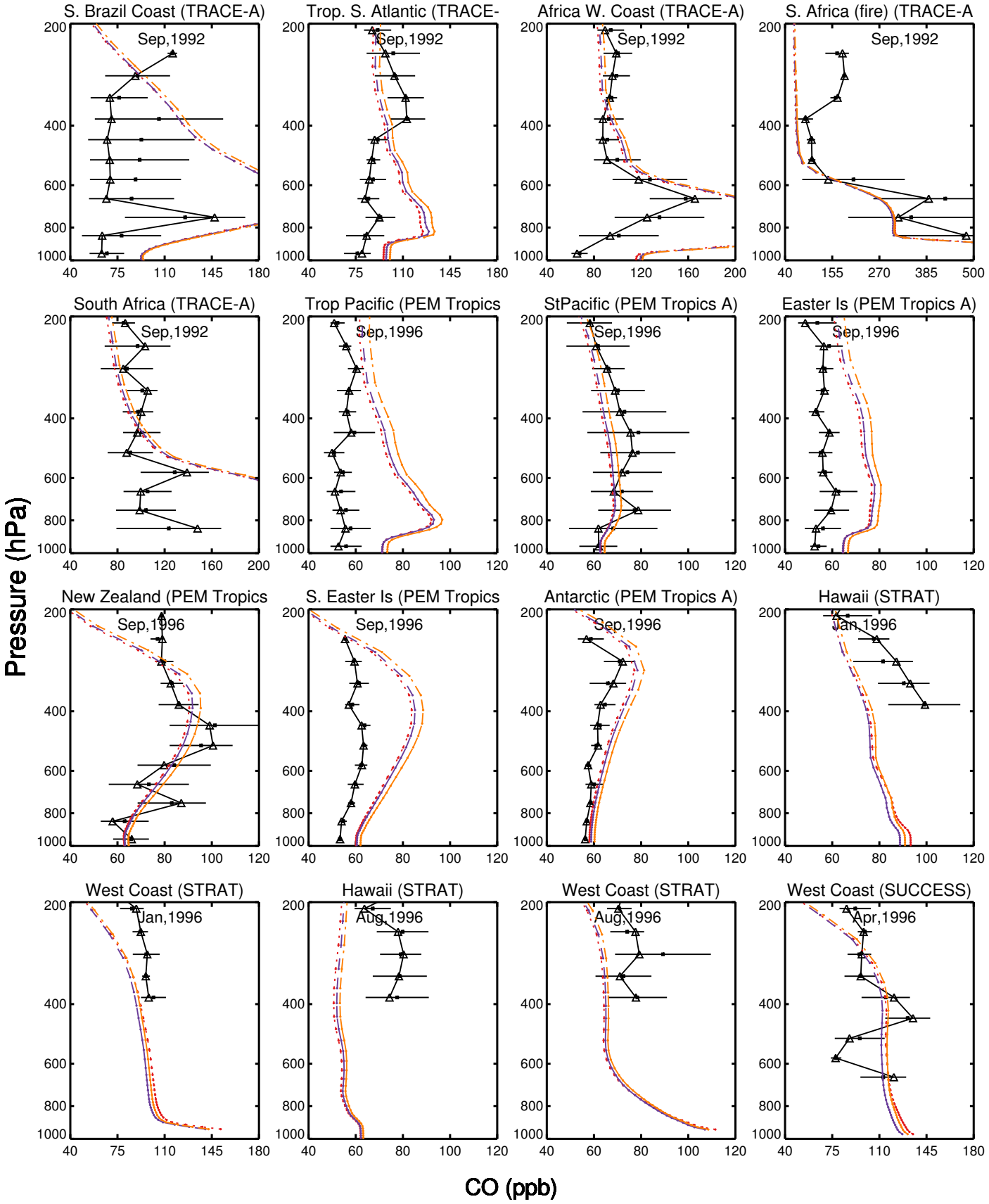

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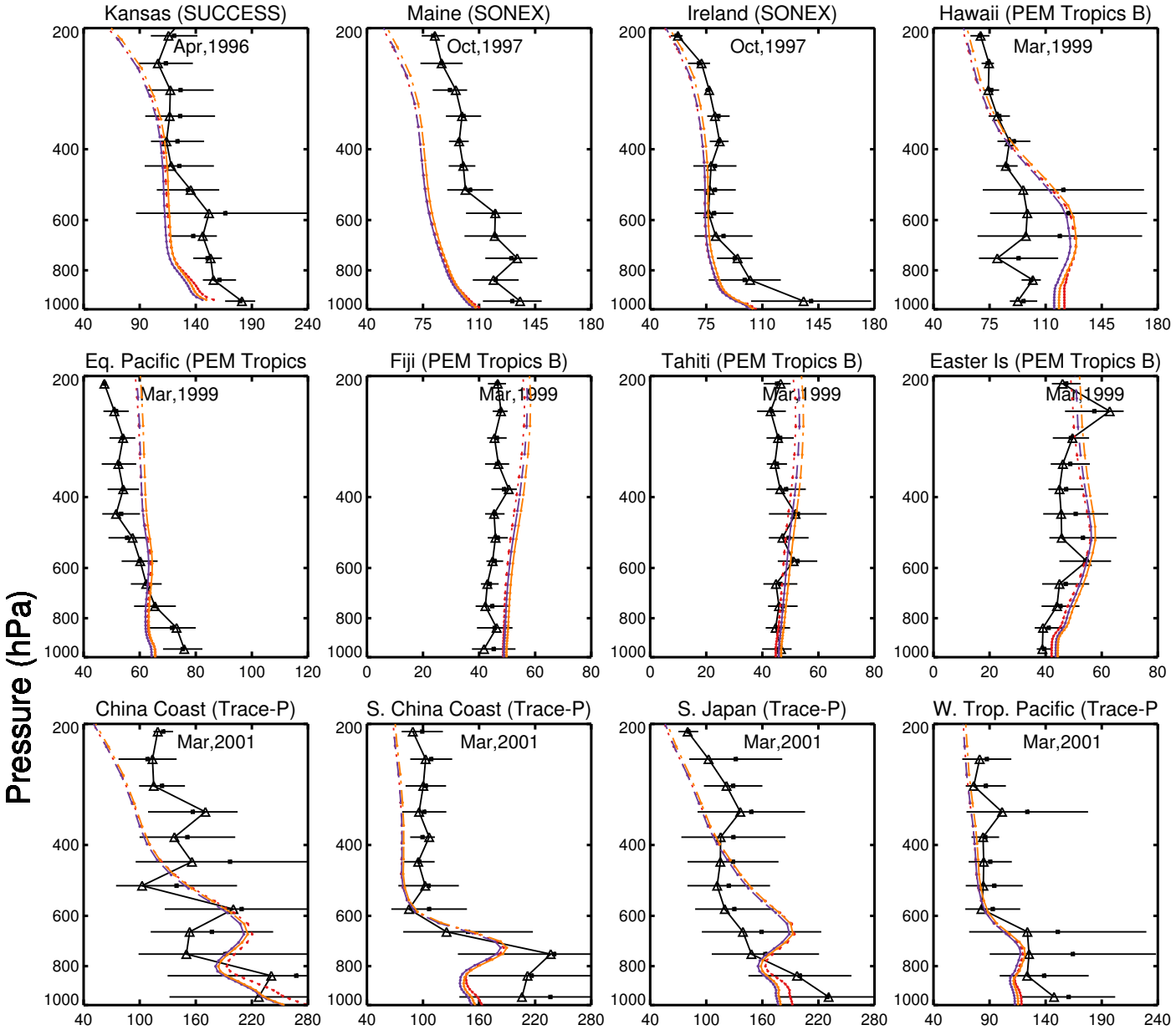
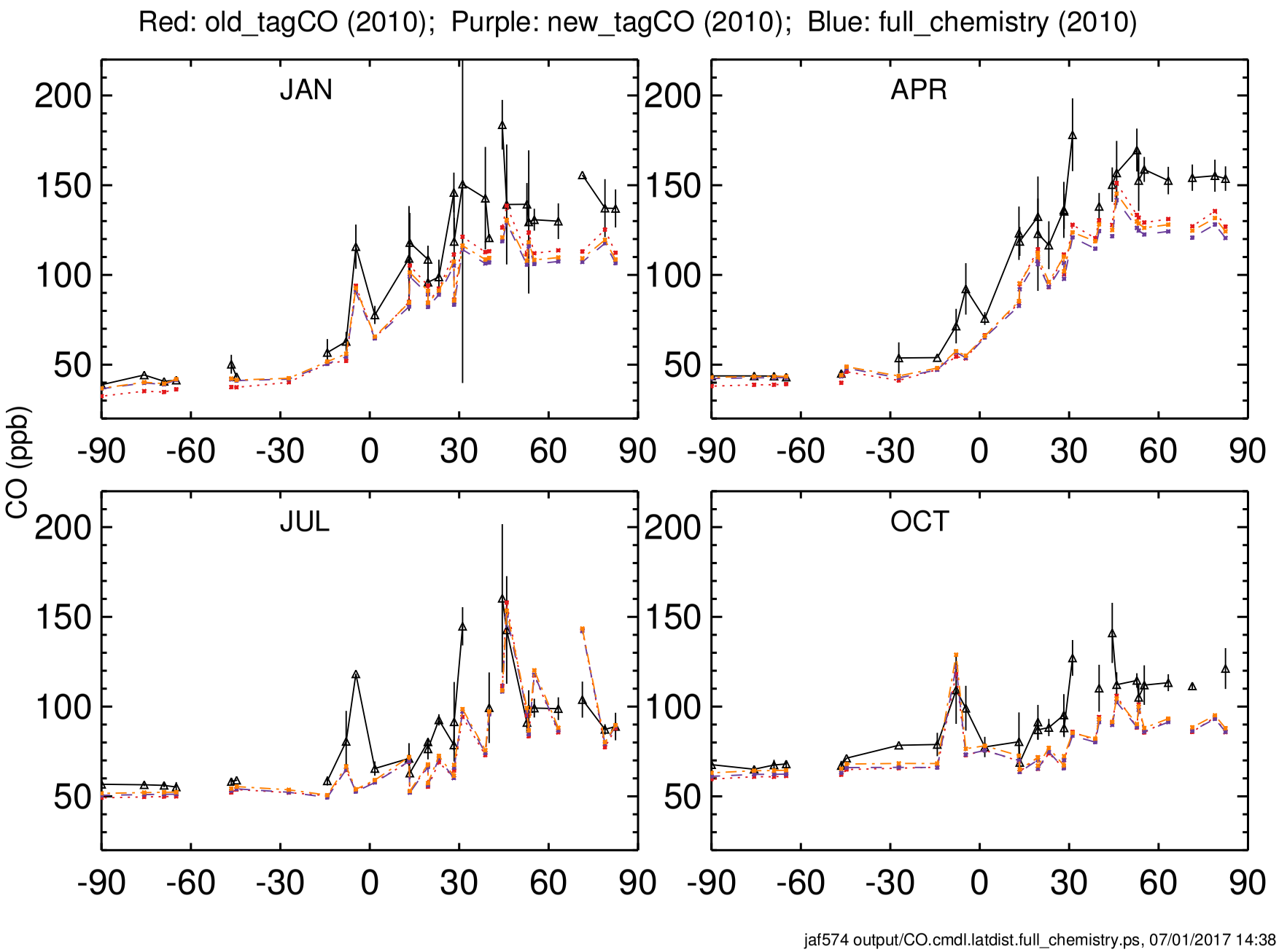
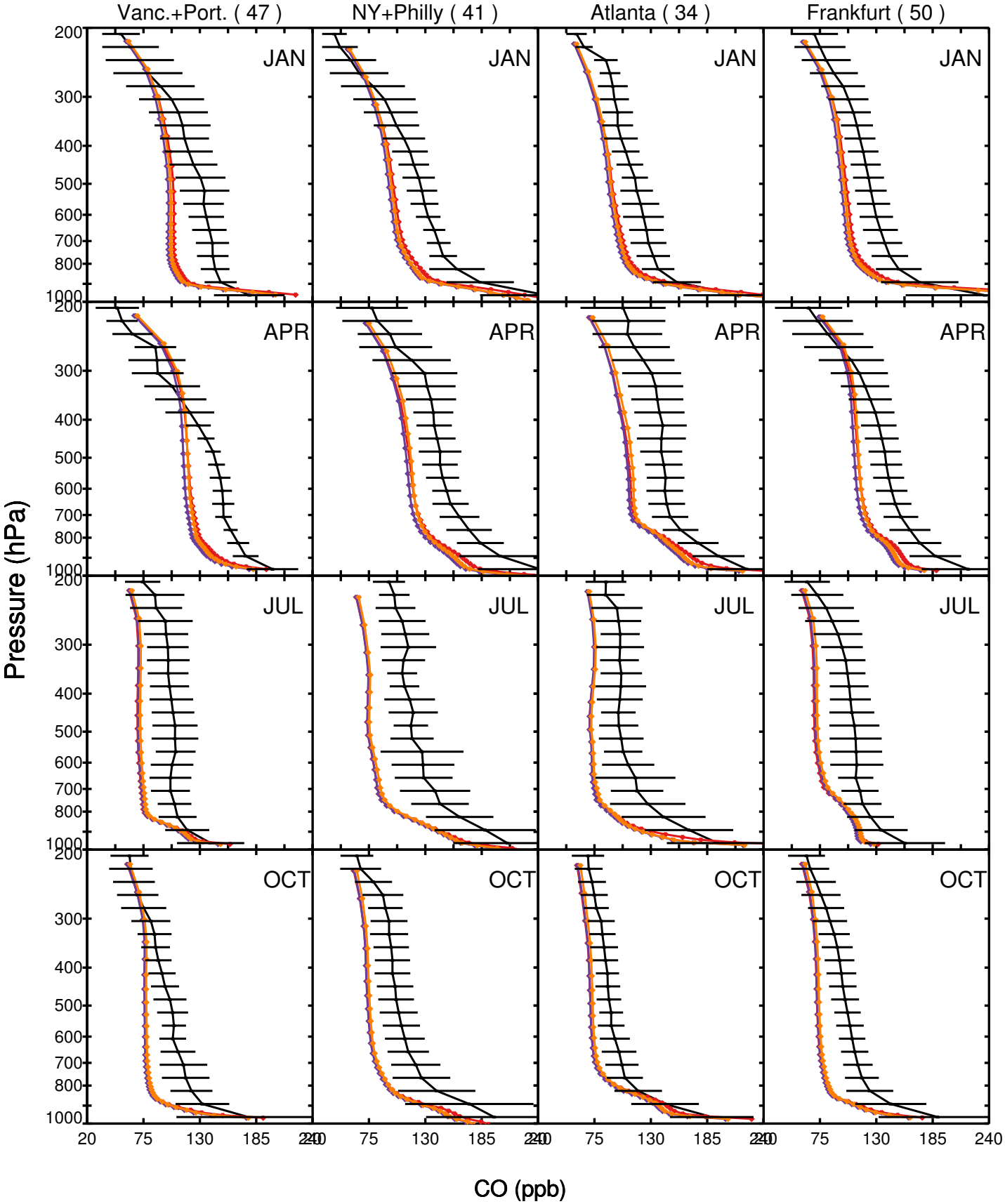


jaf574 output/CO.aircraft.profile.geos.full_chemistry.ps, 07/01/2017 14:39


Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)
JAN
APR
JUL
OCT
CO (ppb)
200
150
100
50
-90
-60
-30
0
30
60
90
jaf574 output/CO.cmdl.latdist.full_chemistry.ps, 07/01/2017 14:38

Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)



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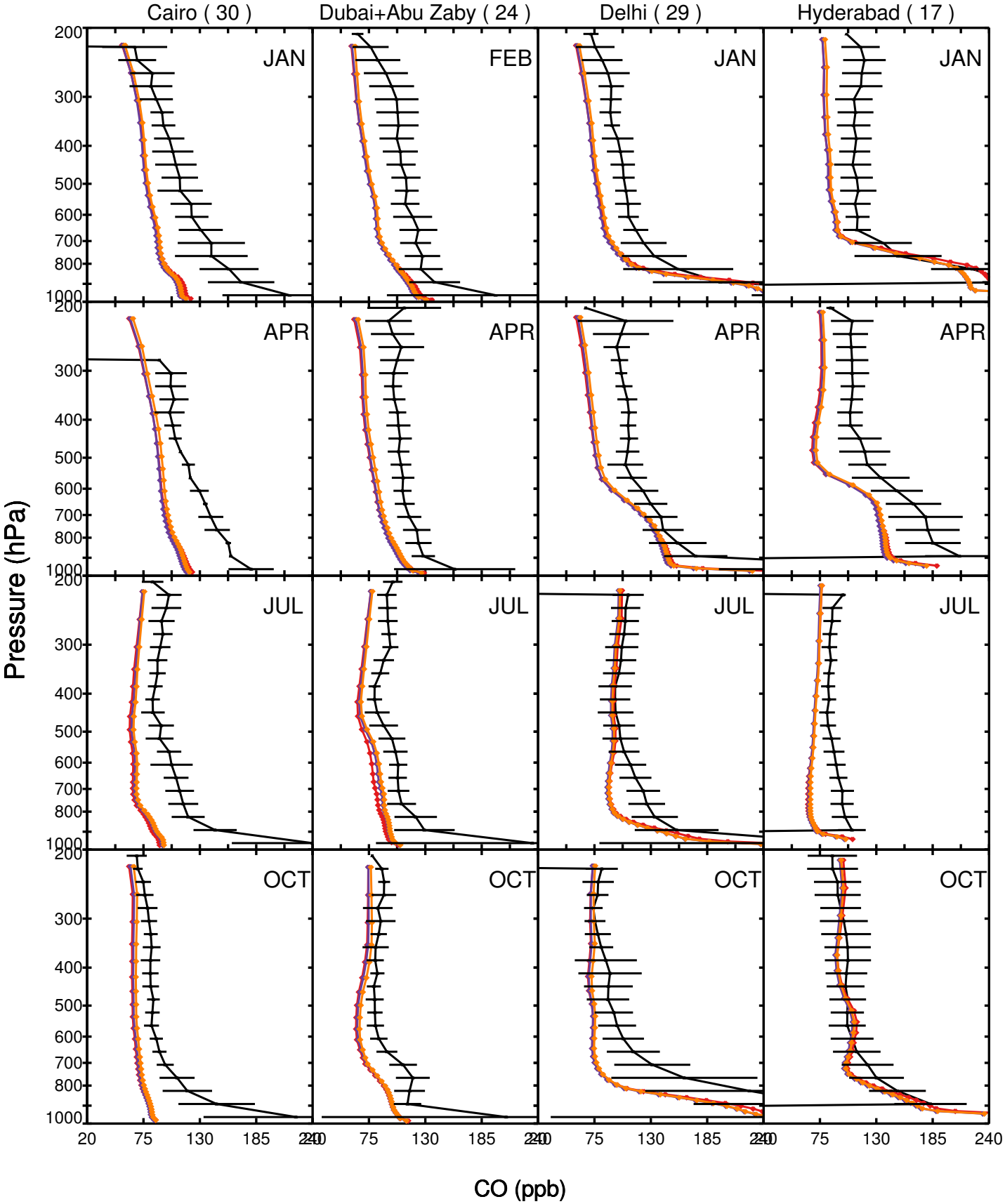
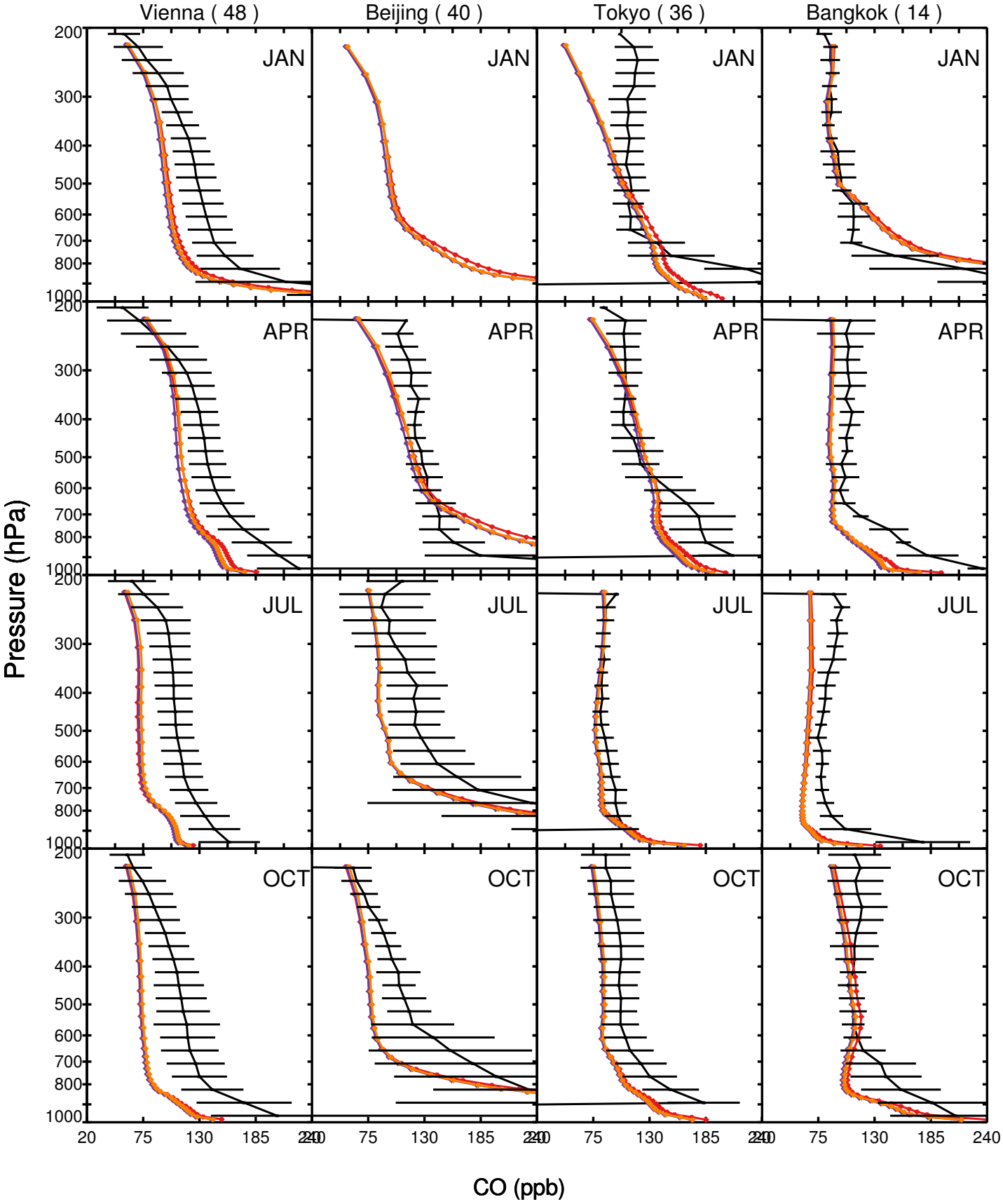
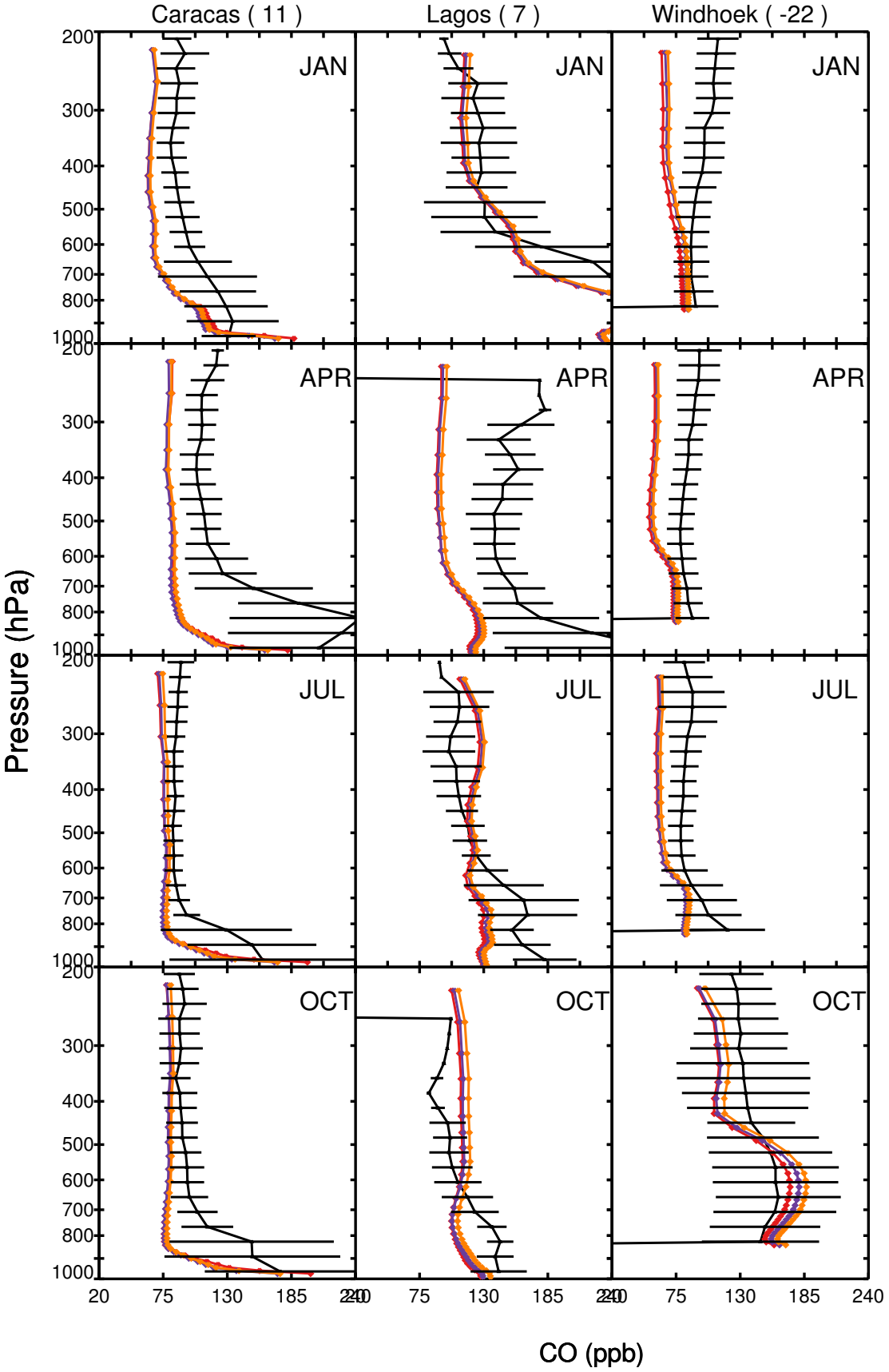


Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)

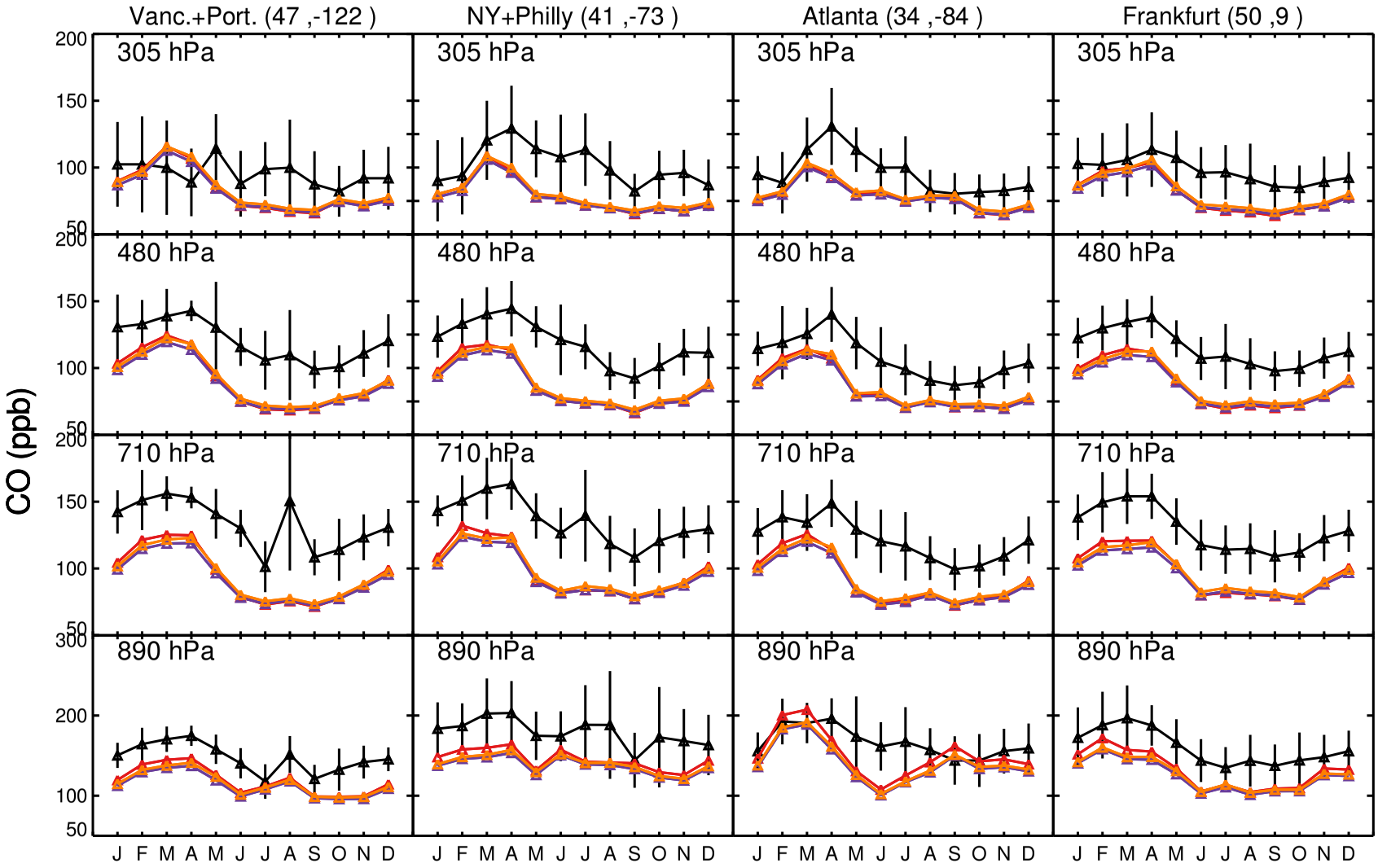


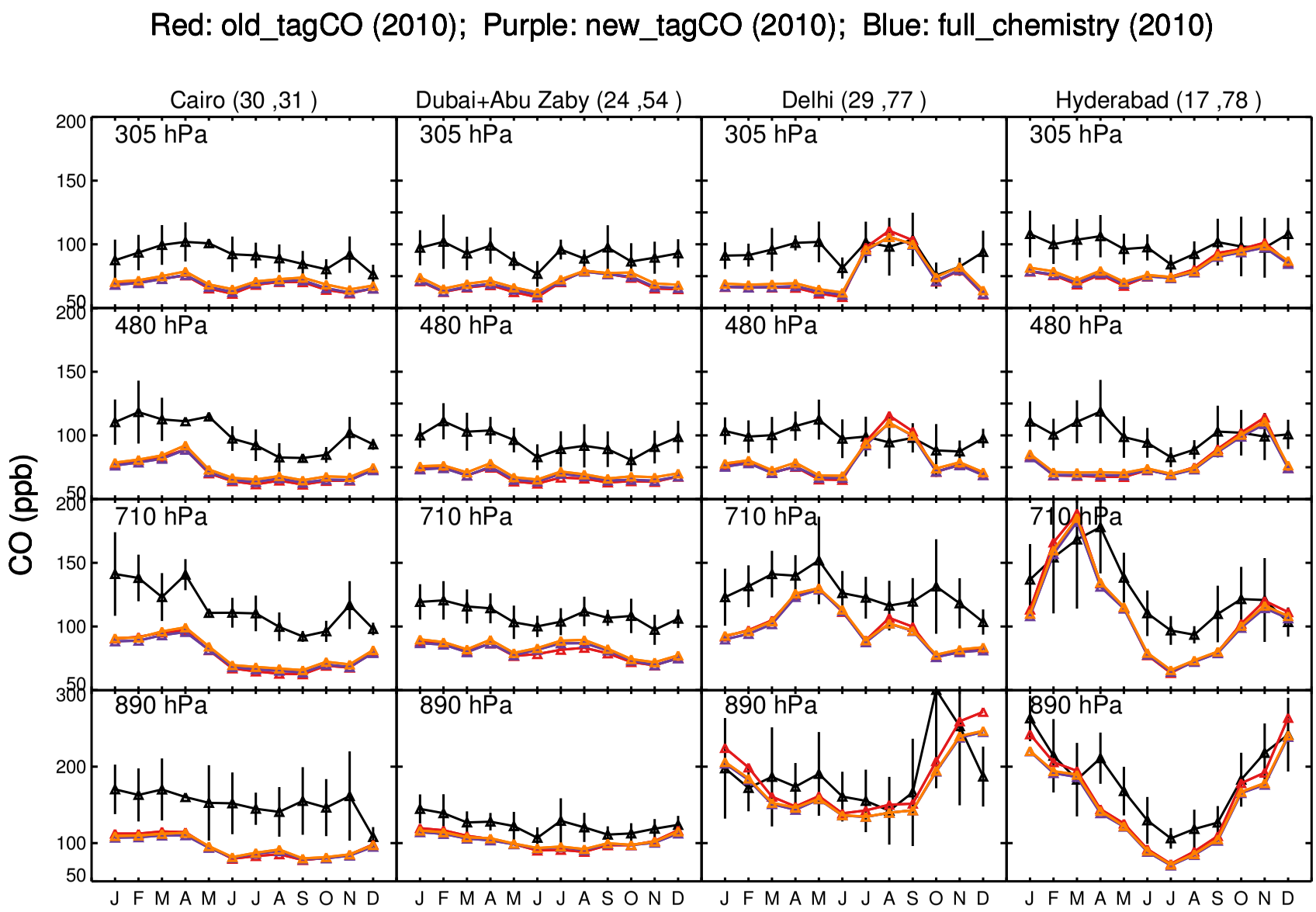
Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)

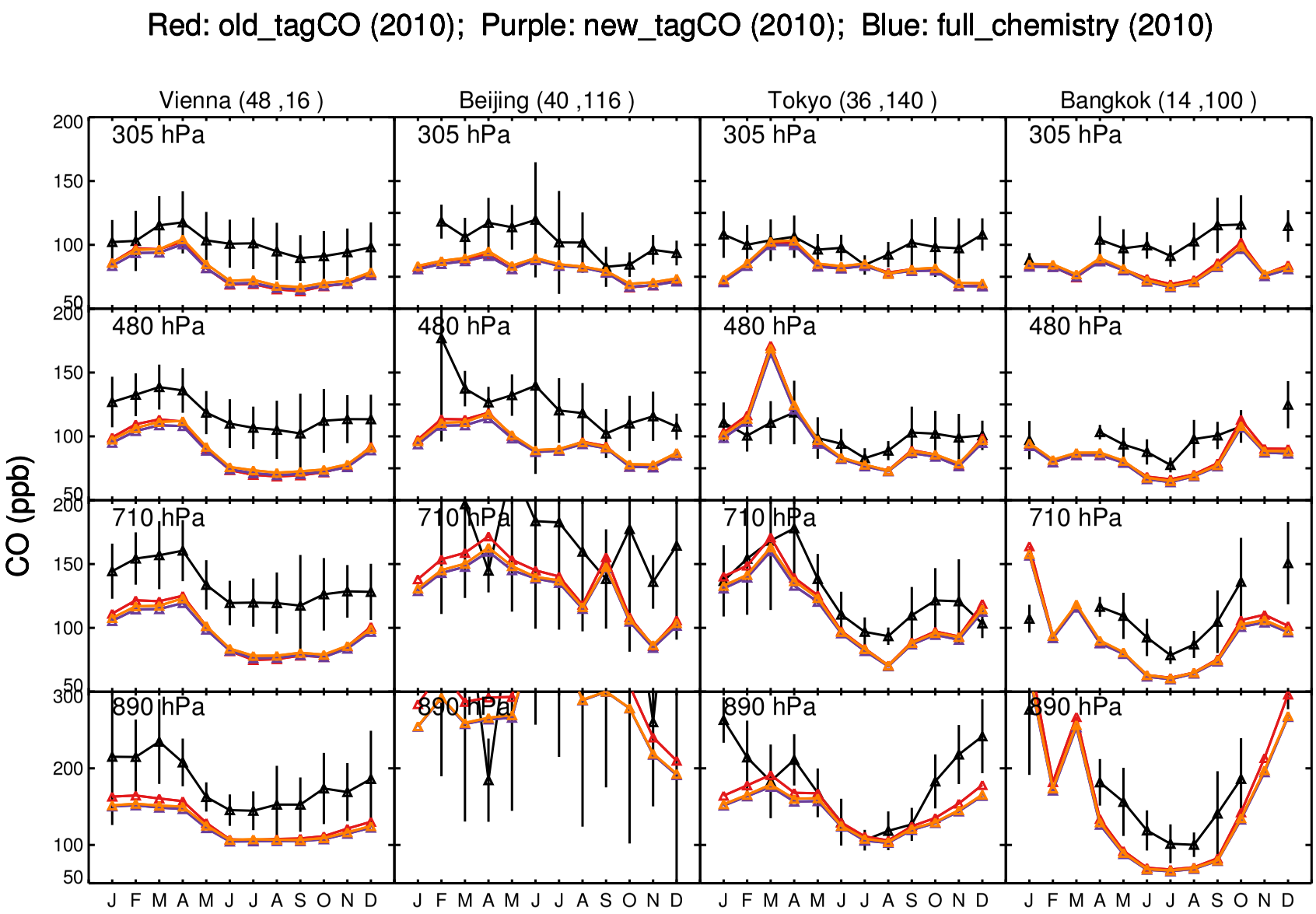


jaf574 output/CO.profiles.mozaic.months.full_chemistry.15sta.ps, 07/01/2017 14:39

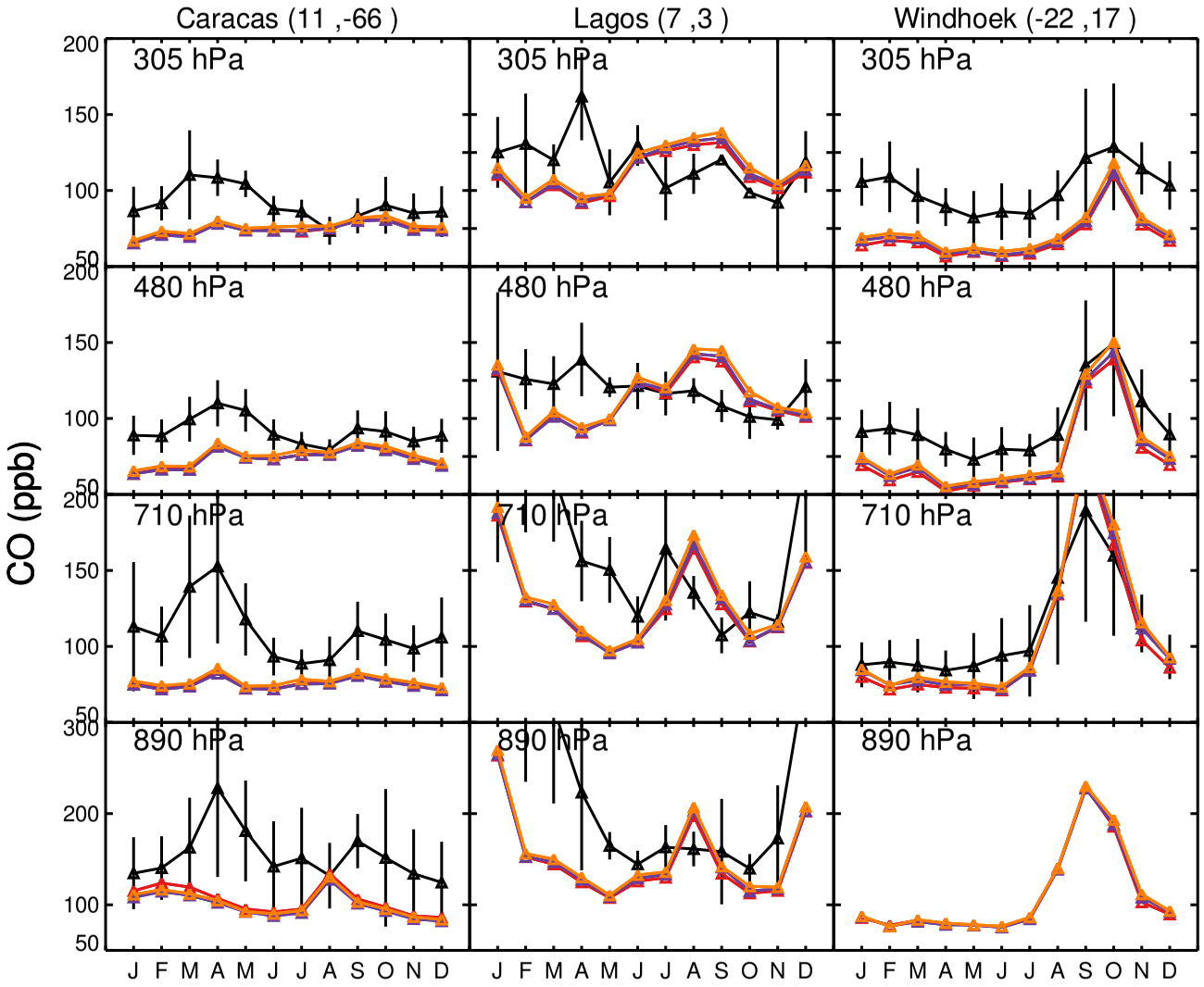
Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)




Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)
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 (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)
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 (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)



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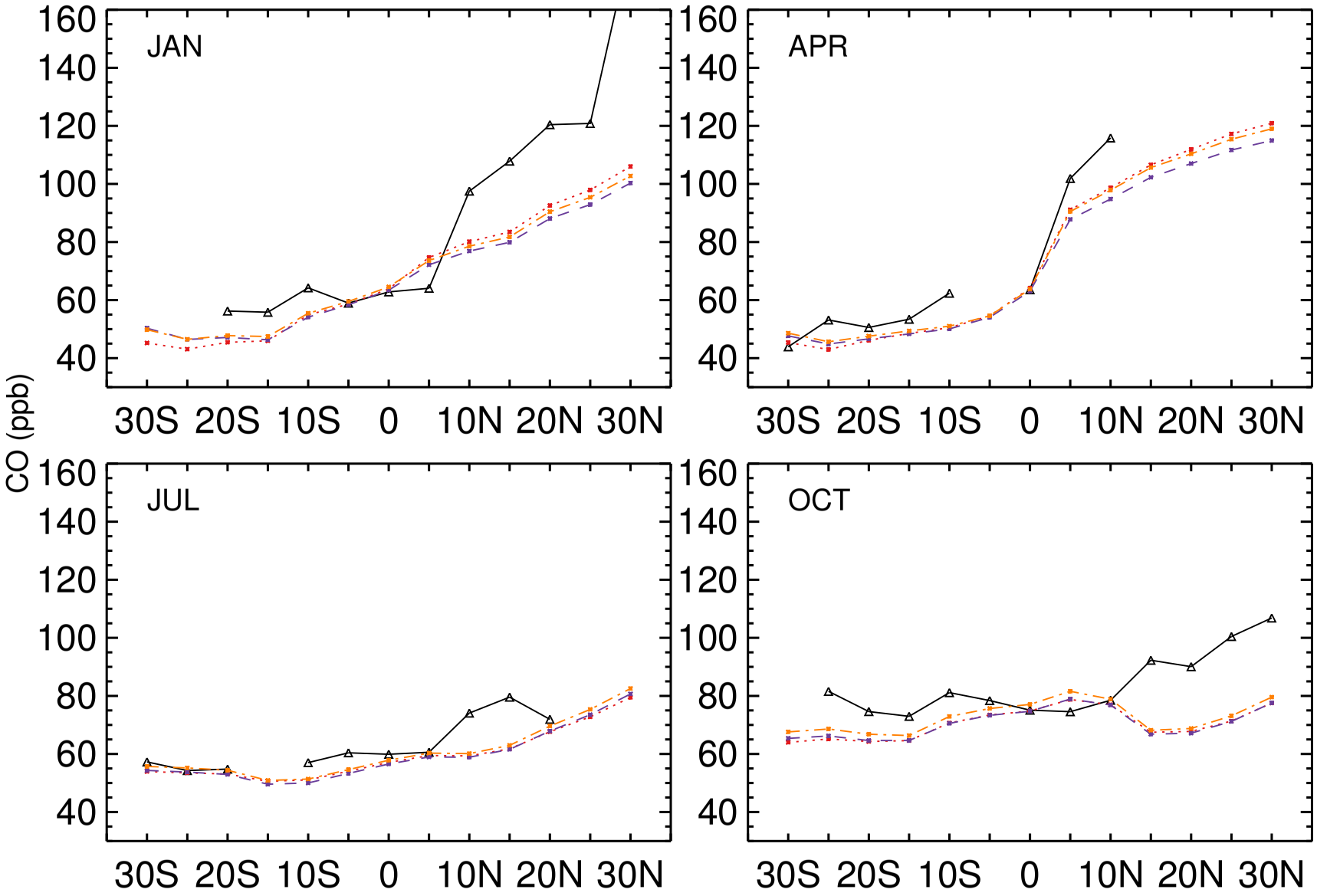

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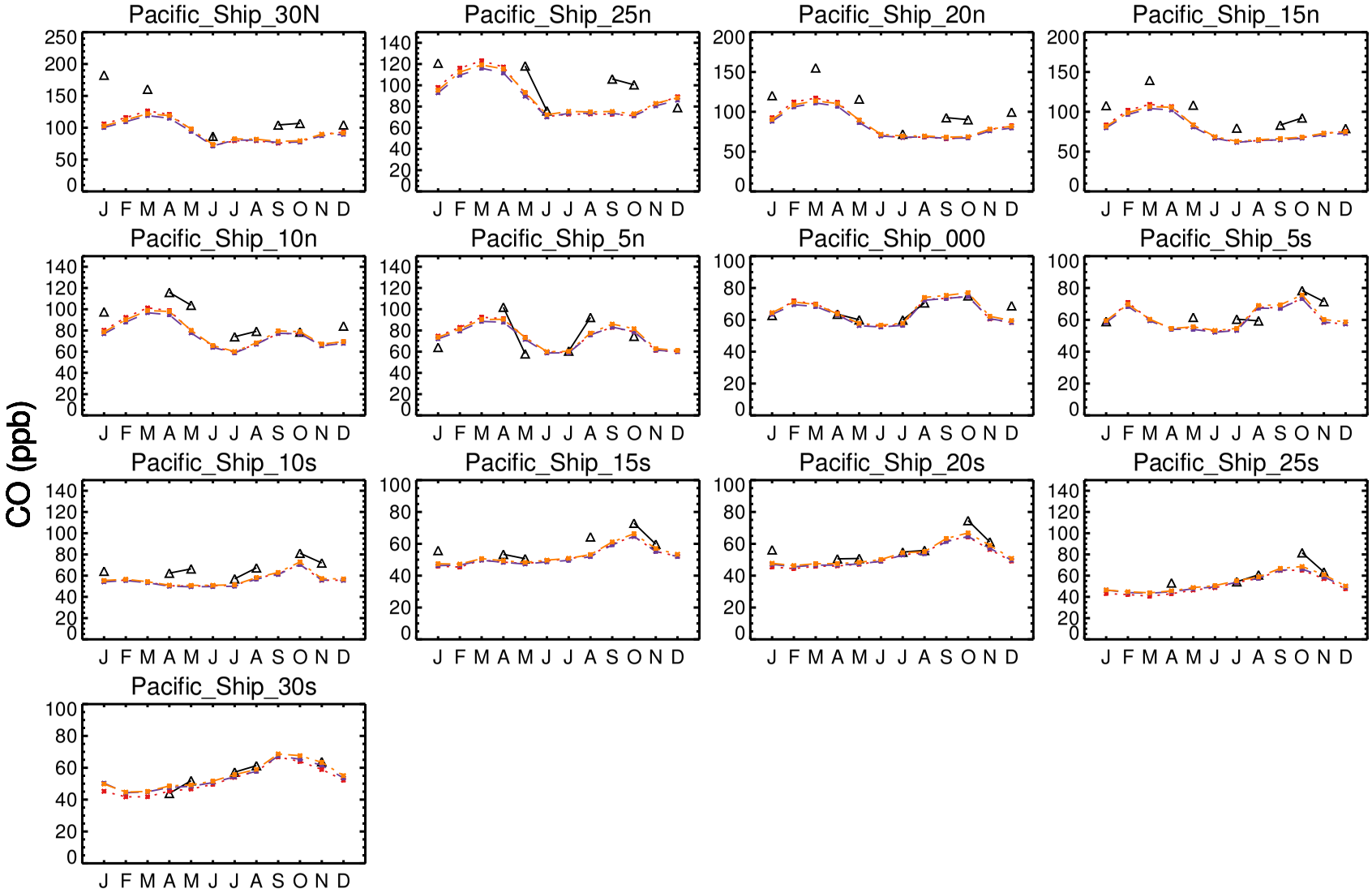
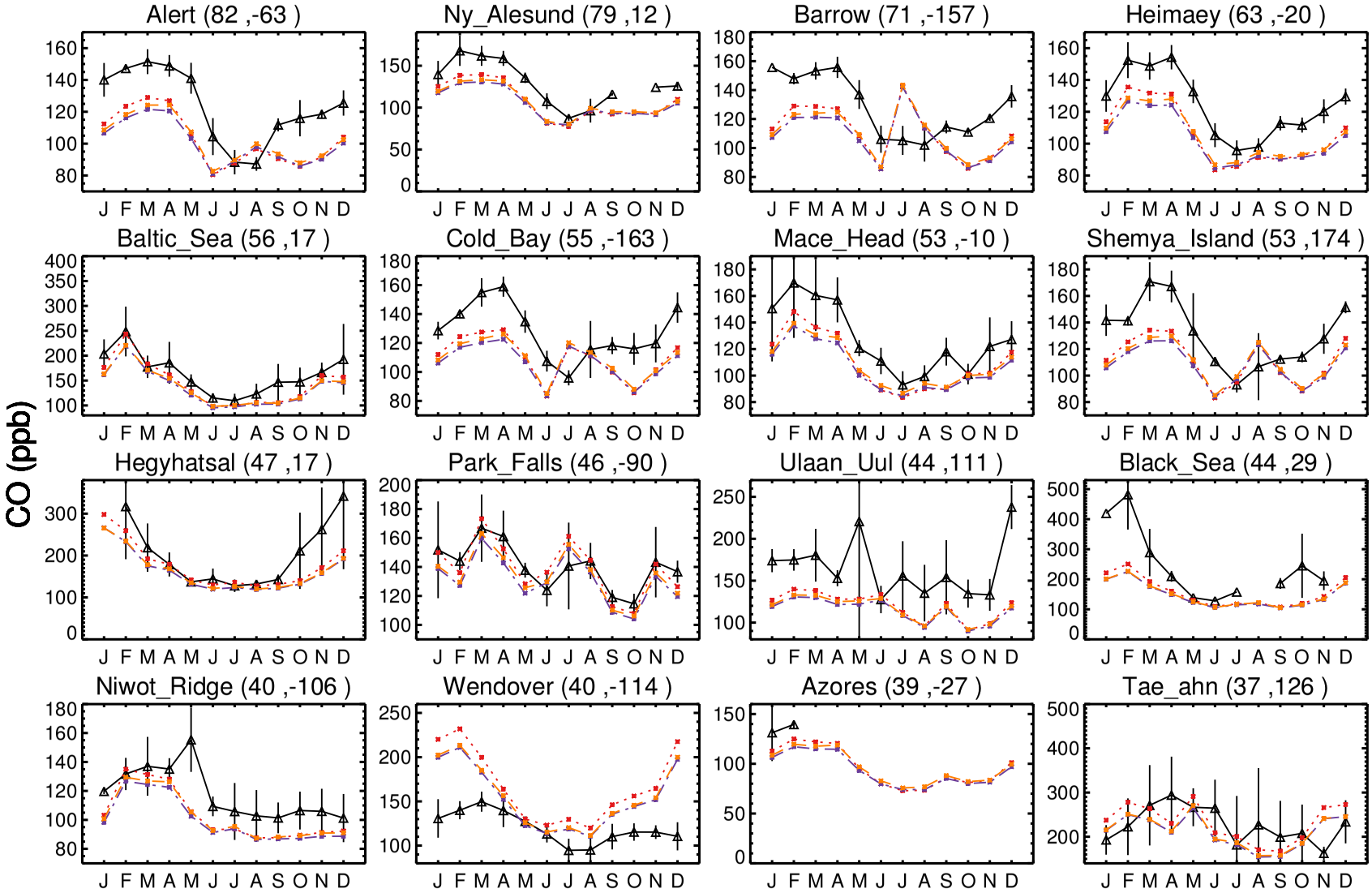
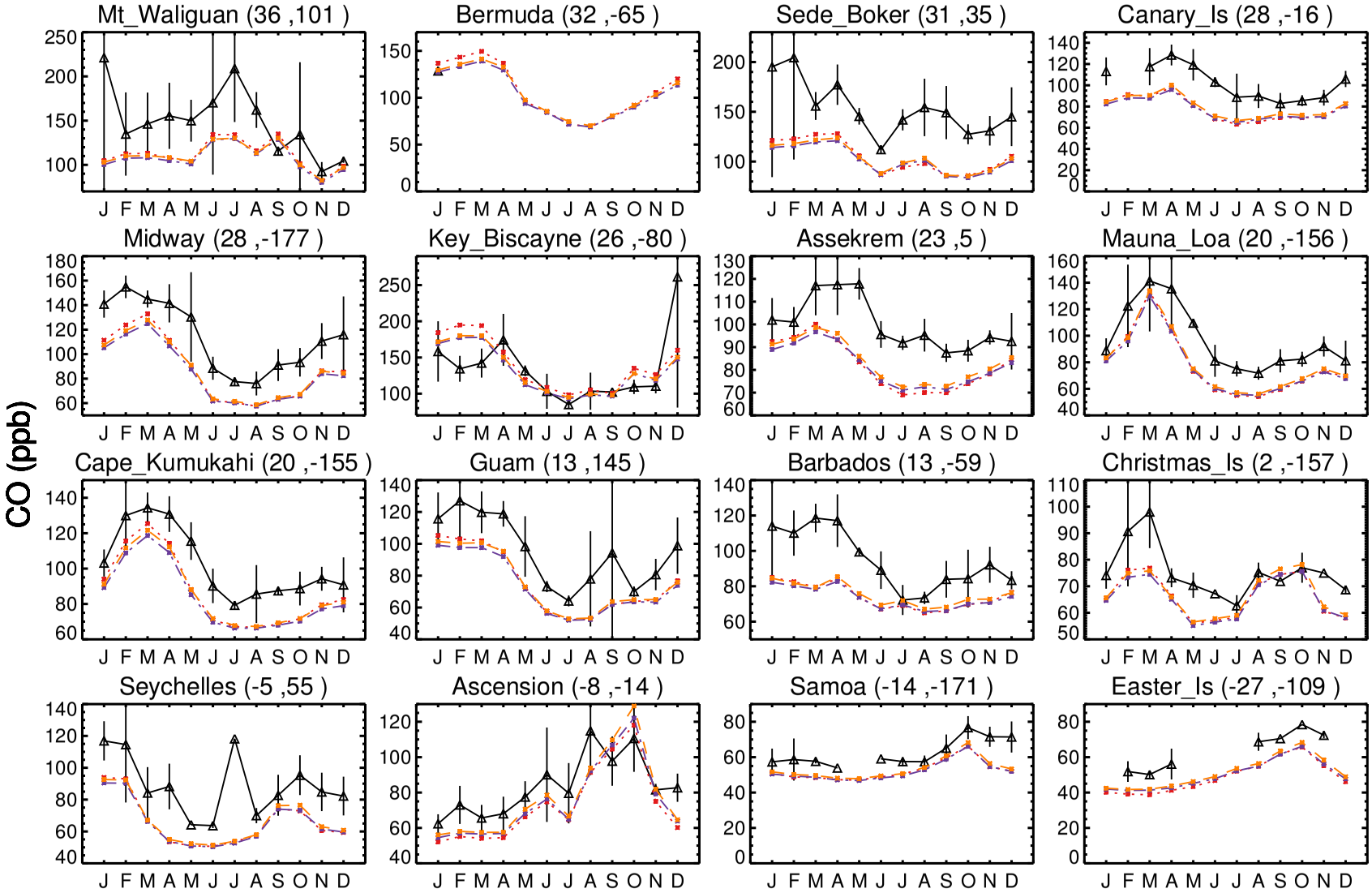


jaf574 output/CO.ships.geos.full_chemistry.ps, 07/01/2017 14:38

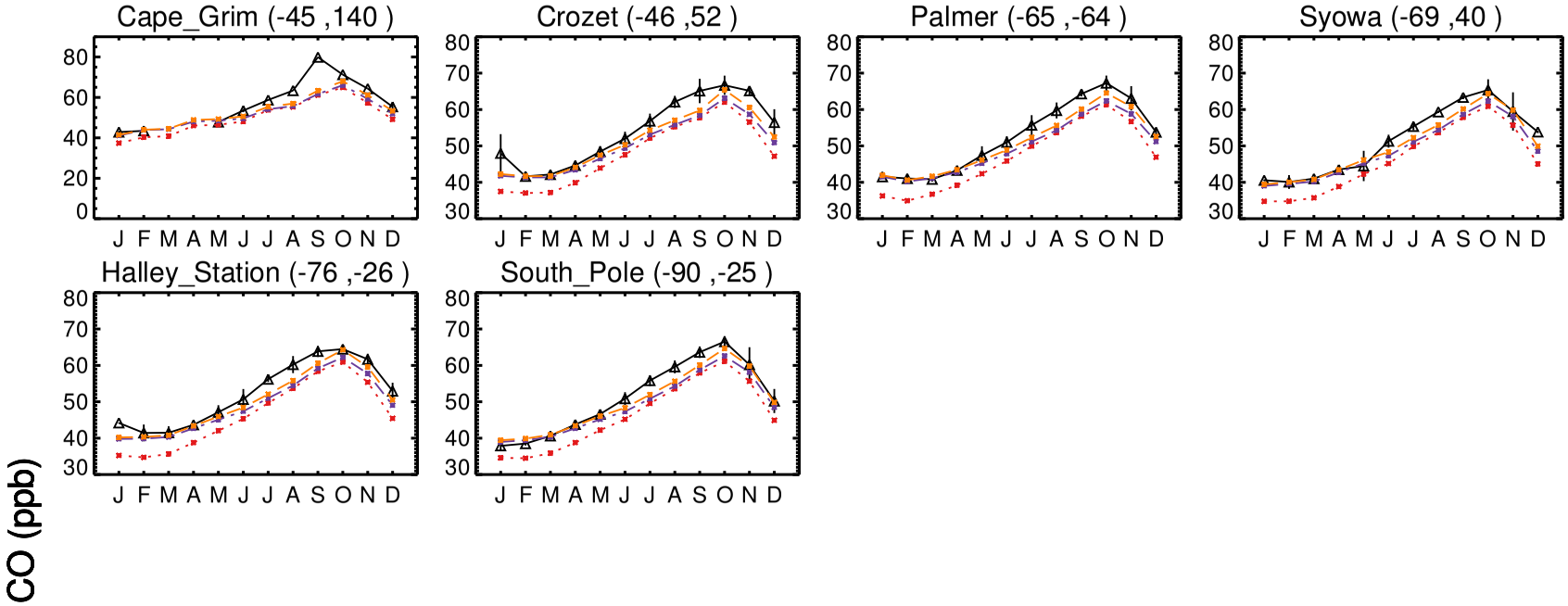
Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)



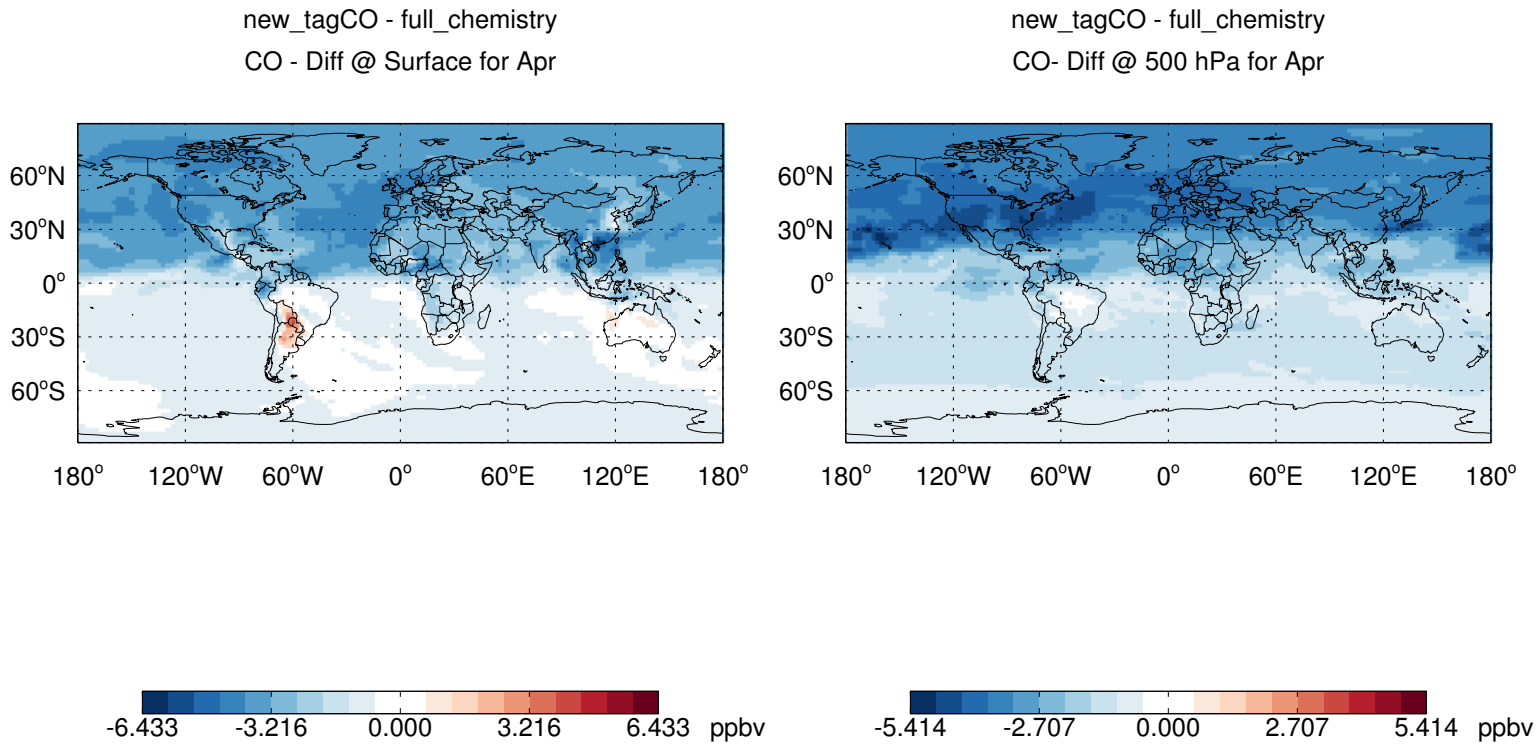
Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)

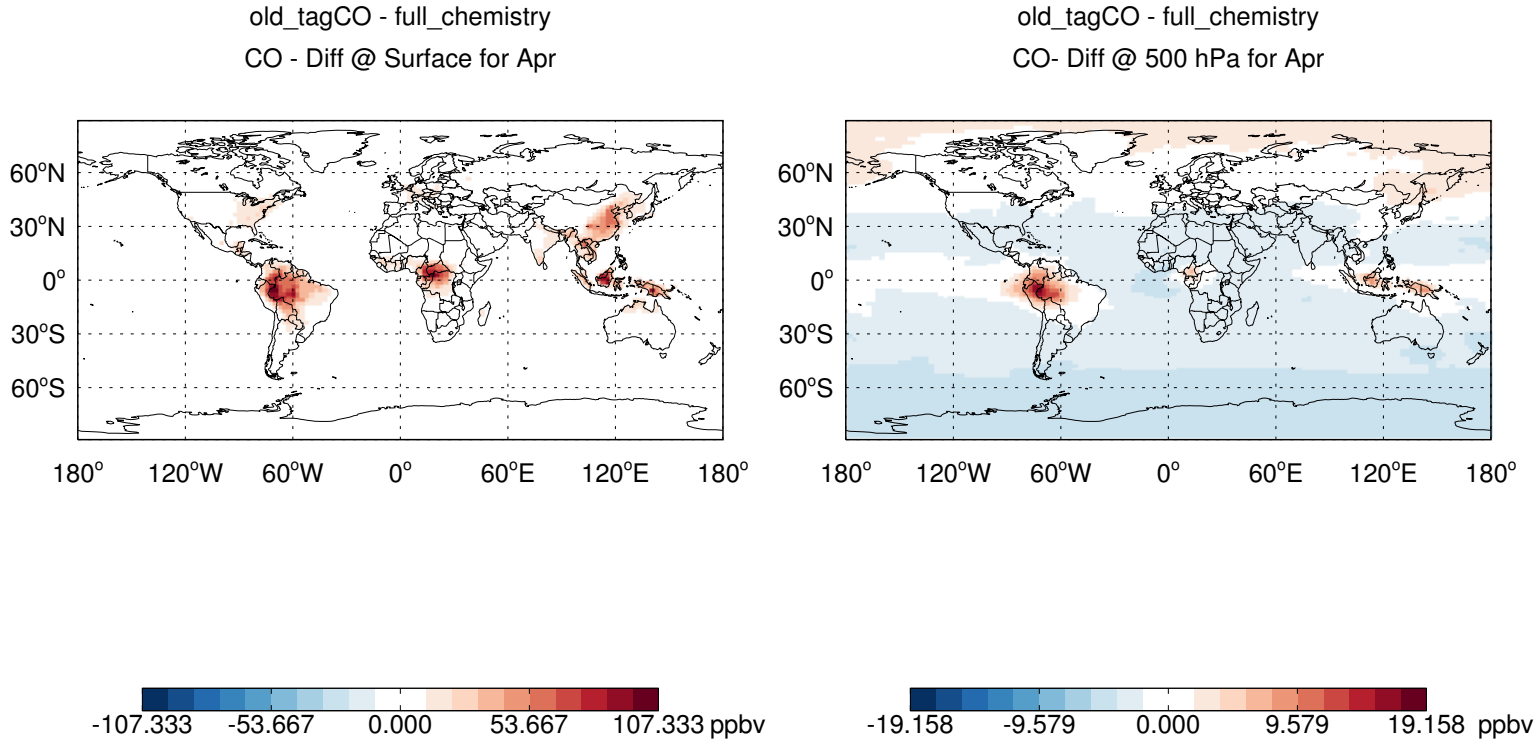


Red: old_tagCO (2010); Purple: new_tagCO (2010); Blue: full_chemistry (2010)



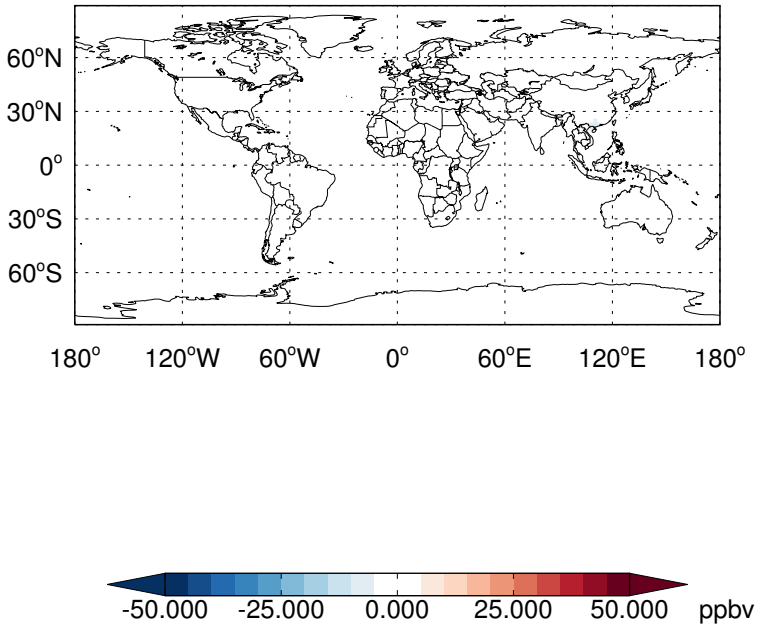
GEOS-Chem Difference Maps at surface and 500 hPa



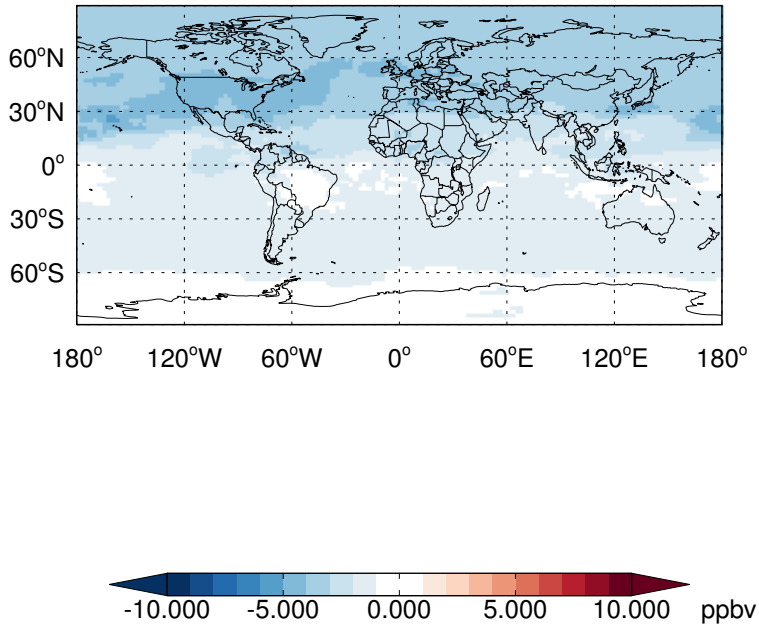


GEOS-Chem Difference Maps at surface and 500 hPa

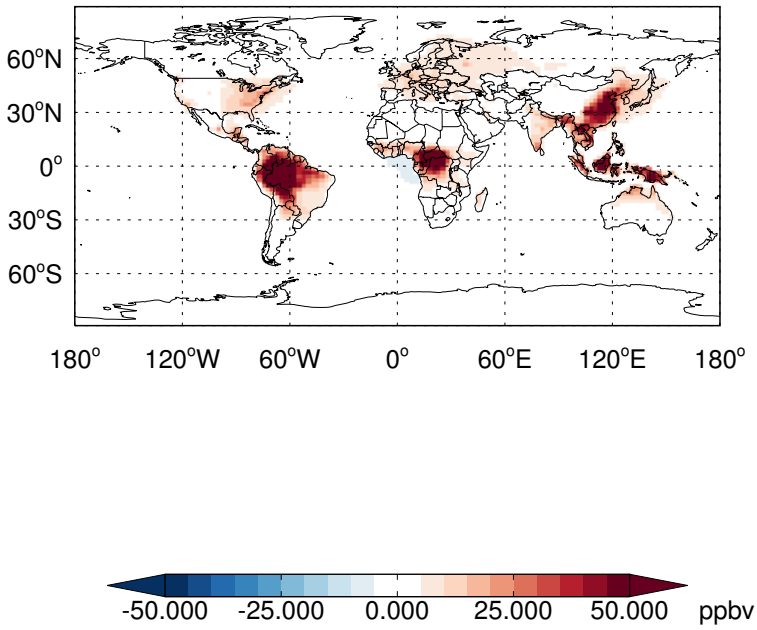
new_tagCO - full_chemistry
CO - Diff @ Surface for Apr



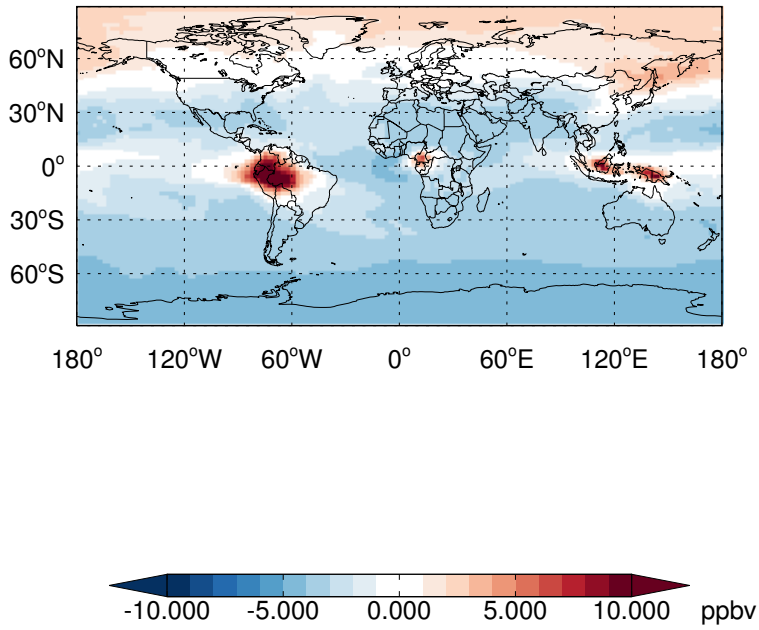
new_tagCO - full_chemistry
CO- Diff @ 500 hPa for Apr



old_tagCO - full_chemistry
CO - Diff @ Surface for Apr



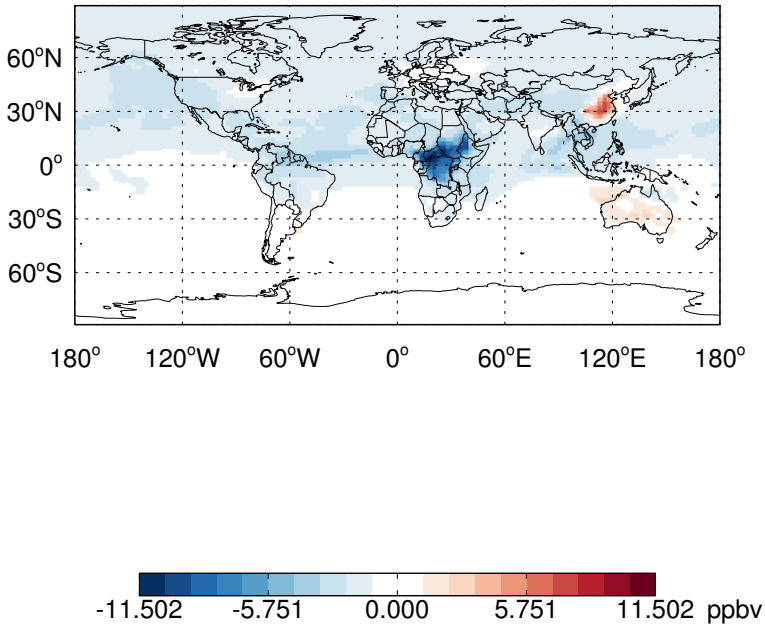
old_tagCO - full_chemistry
CO- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

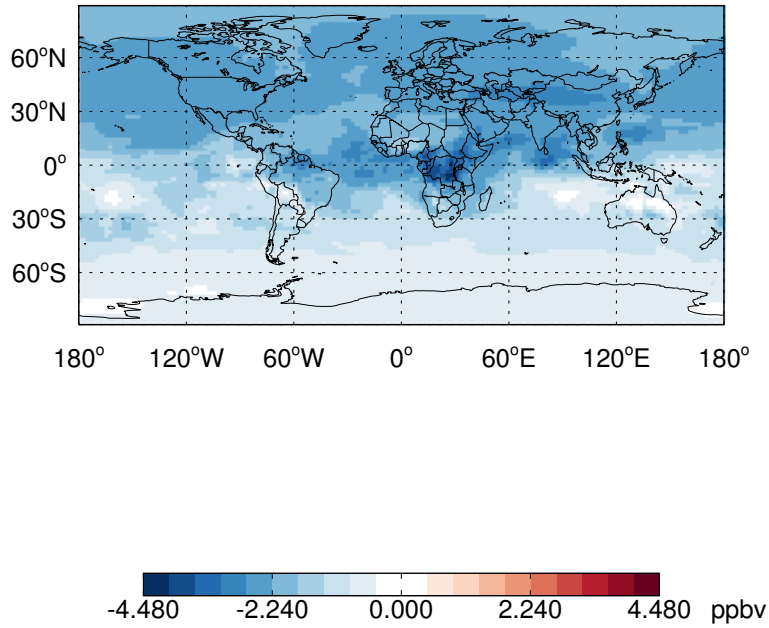
new_tagCO - full_chemistry

CO - Diff @ Surface for Jan



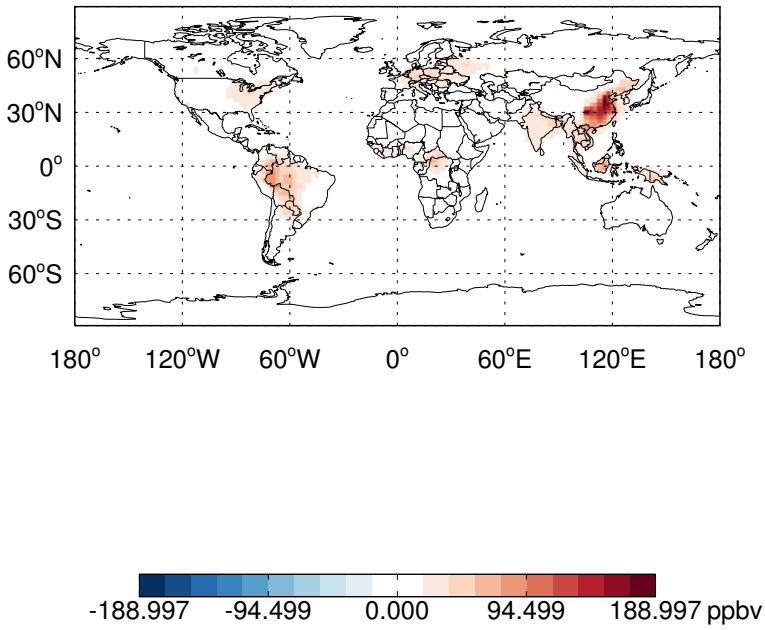
new_tagCO - full_chemistry

CO- Diff @ 500 hPa for Jan



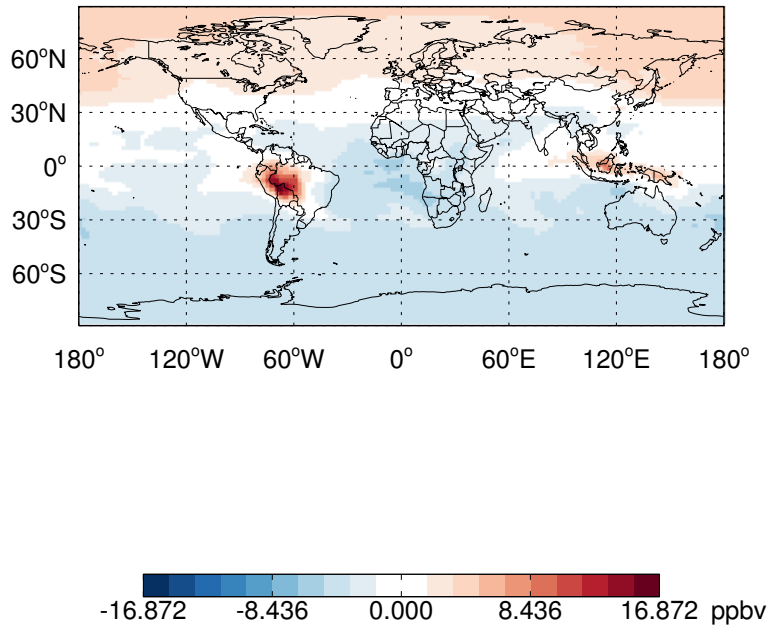
old_tagCO - full_chemistry

CO - Diff @ Surface for Jan



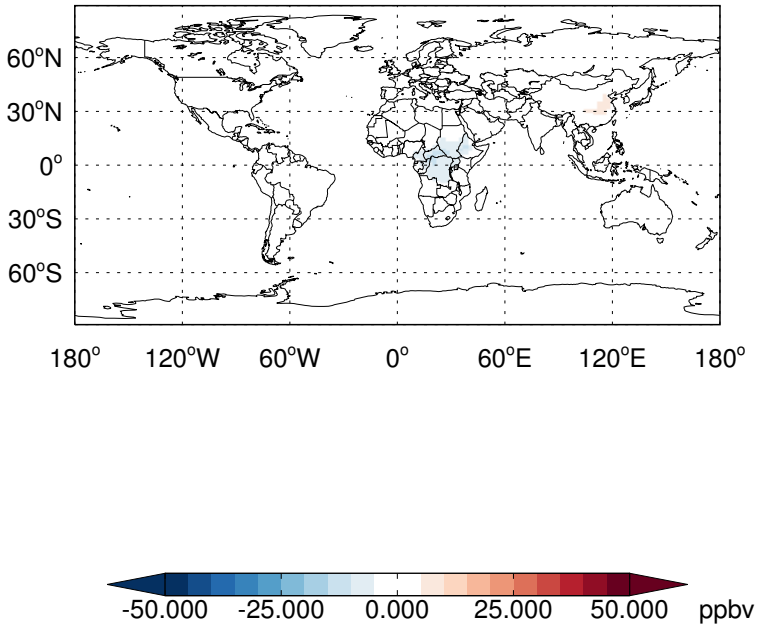
old_tagCO - full_chemistry

CO- Diff @ 500 hPa for Jan

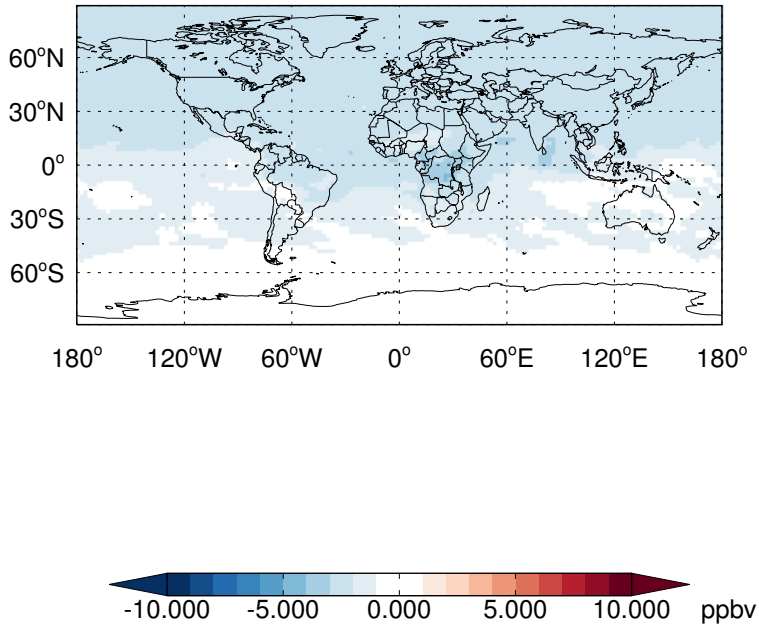


GEOS-Chem Difference Maps at surface and 500 hPa

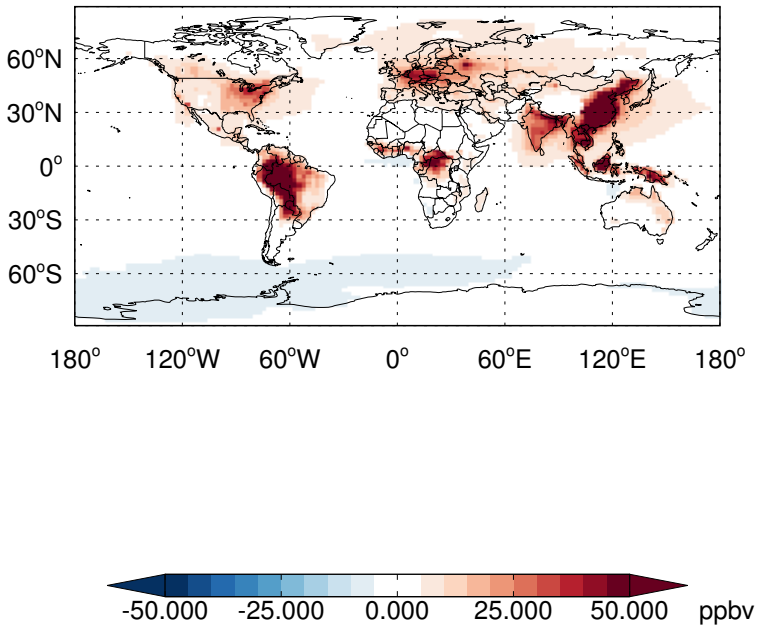
new_tagCO - full_chemistry
CO - Diff @ Surface for Jan



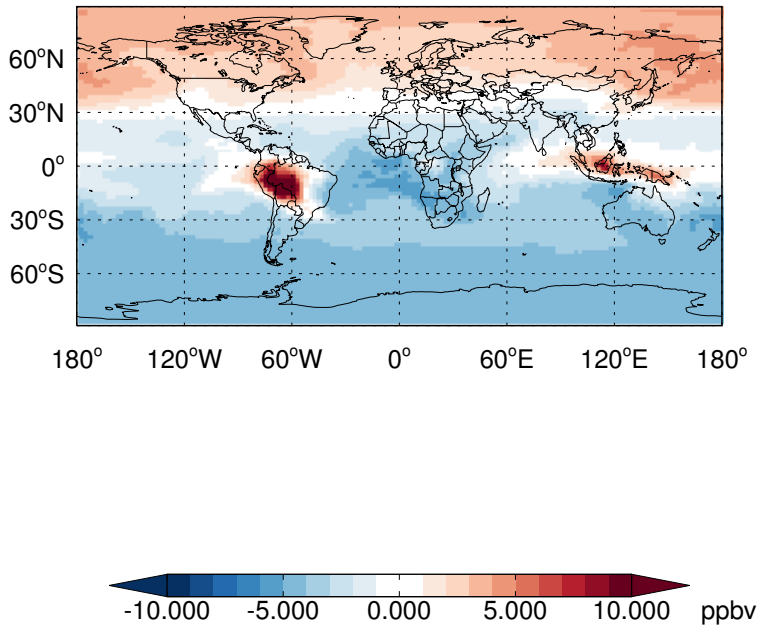
new_tagCO - full_chemistry
CO- Diff @ 500 hPa for Jan



old_tagCO - full_chemistry
CO - Diff @ Surface for Jan

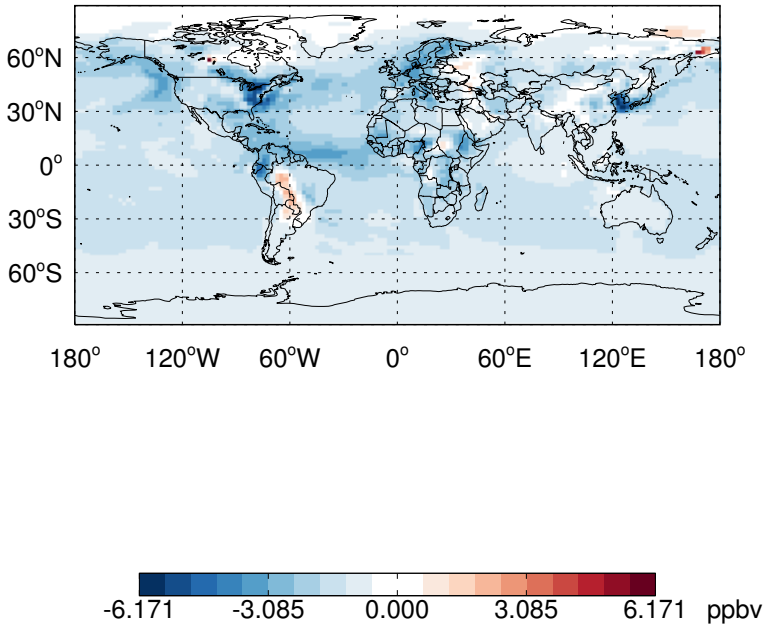


old_tagCO - full_chemistry
CO- Diff @ 500 hPa for Jan

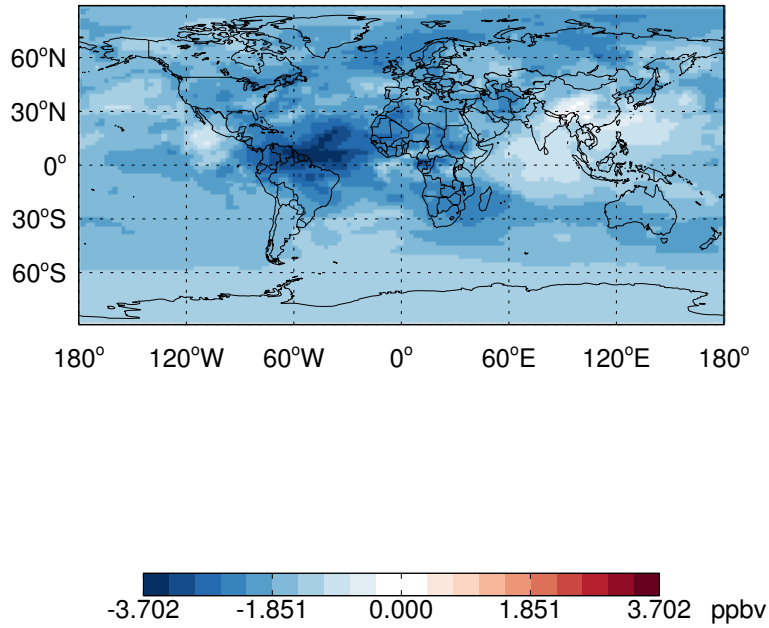


GEOS-Chem Difference Maps at surface and 500 hPa

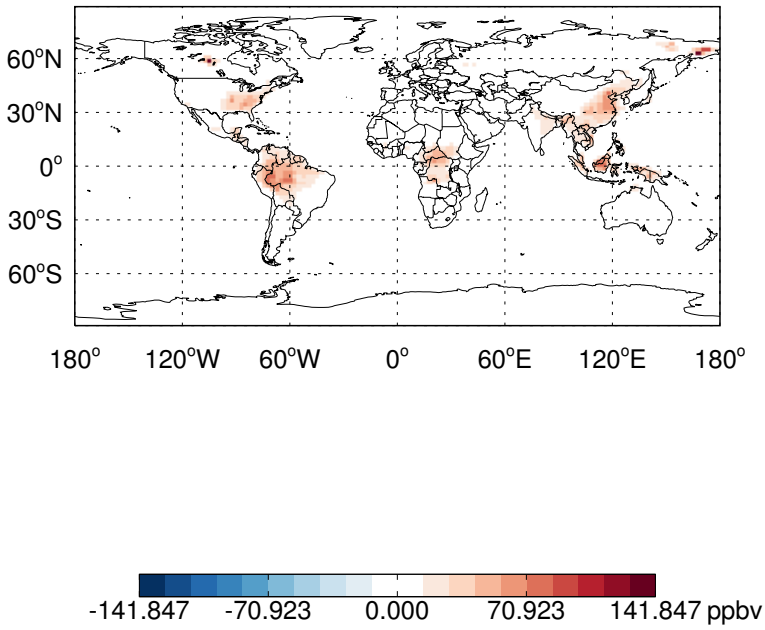
new_tagCO - full_chemistry
CO - Diff @ Surface for Jul



new_tagCO - full_chemistry
CO- Diff @ 500 hPa for Jul



old_tagCO - full_chemistry
CO - Diff @ Surface for Jul



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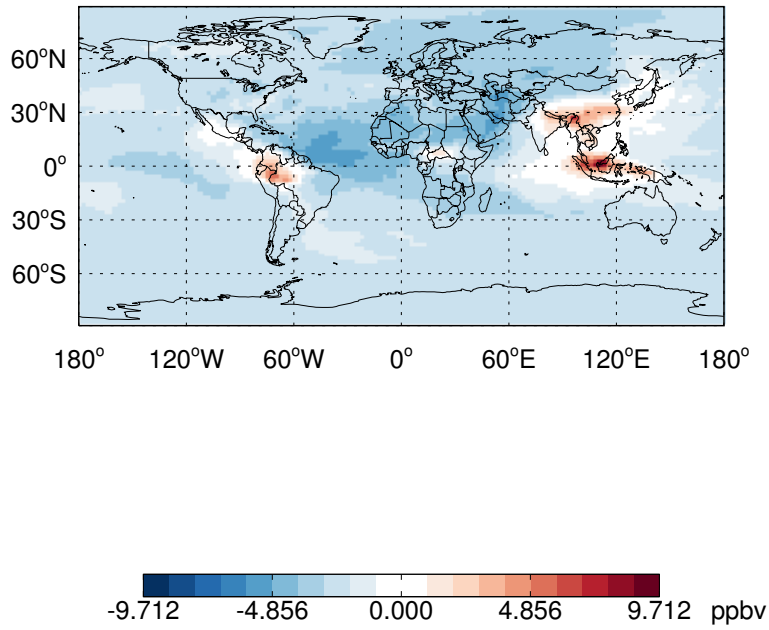
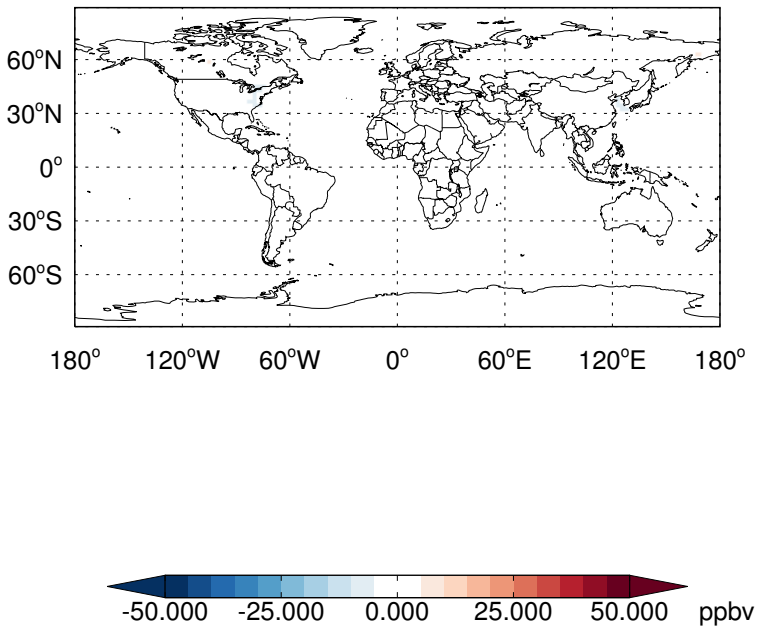
CO- Diff @ 500 hPa for Jul

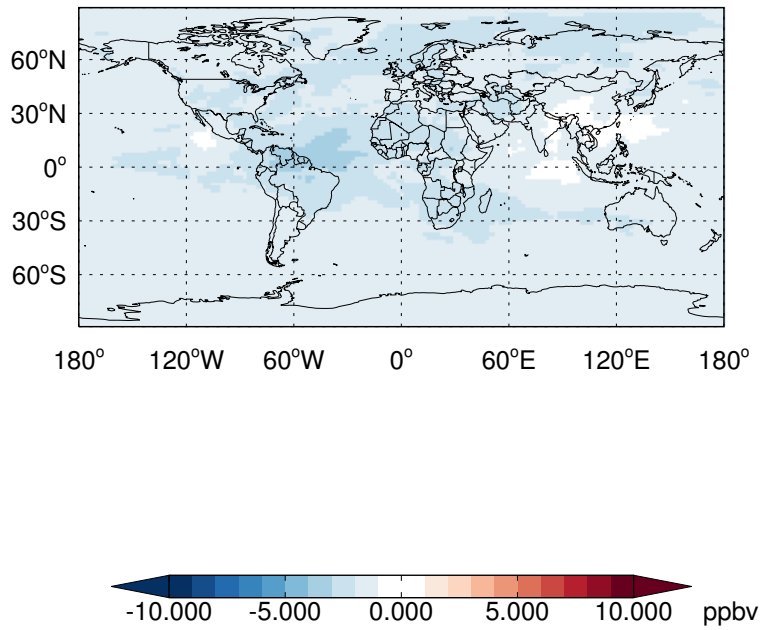


GEOS-Chem Difference Maps at surface and 500 hPa

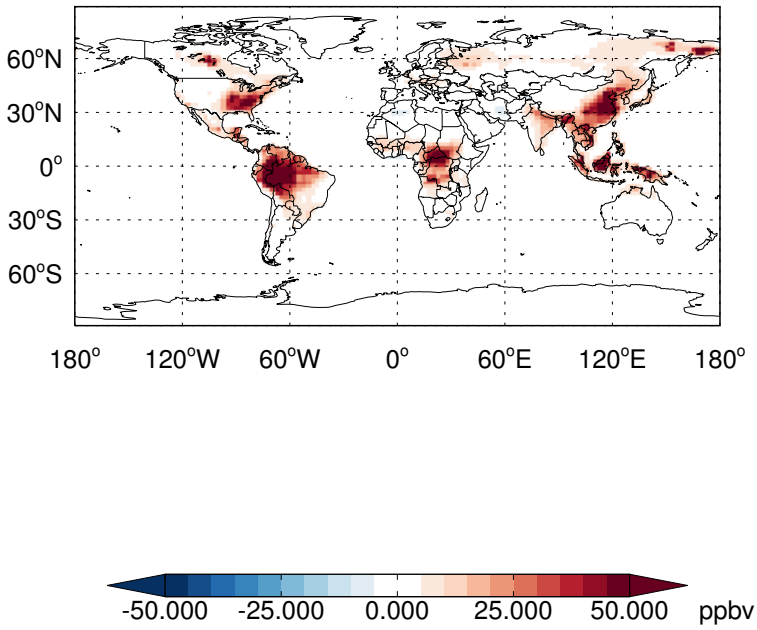
new_tagCO - full_chemistry
CO - Diff @ Surface for Jul



new_tagCO - full_chemistry
CO- Diff @ 500 hPa for Jul



old_tagCO - full_chemistry
CO - Diff @ Surface for Jul



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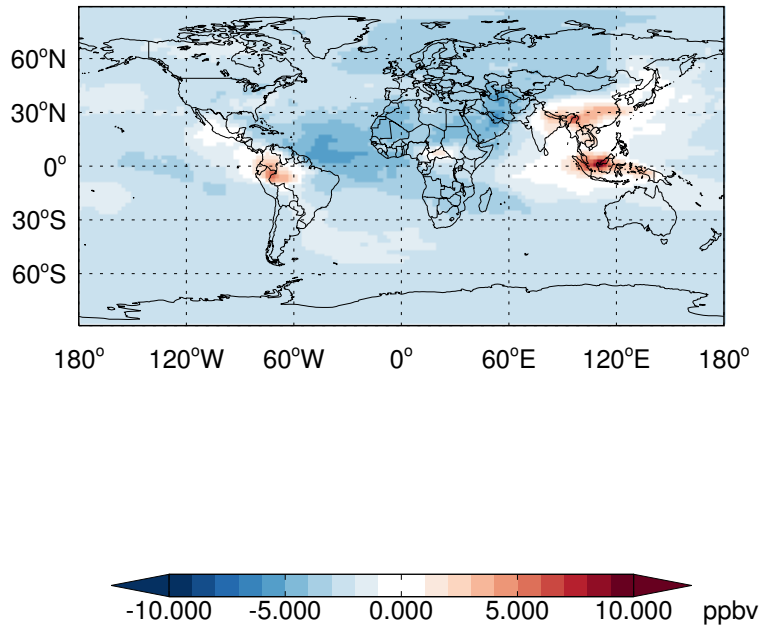
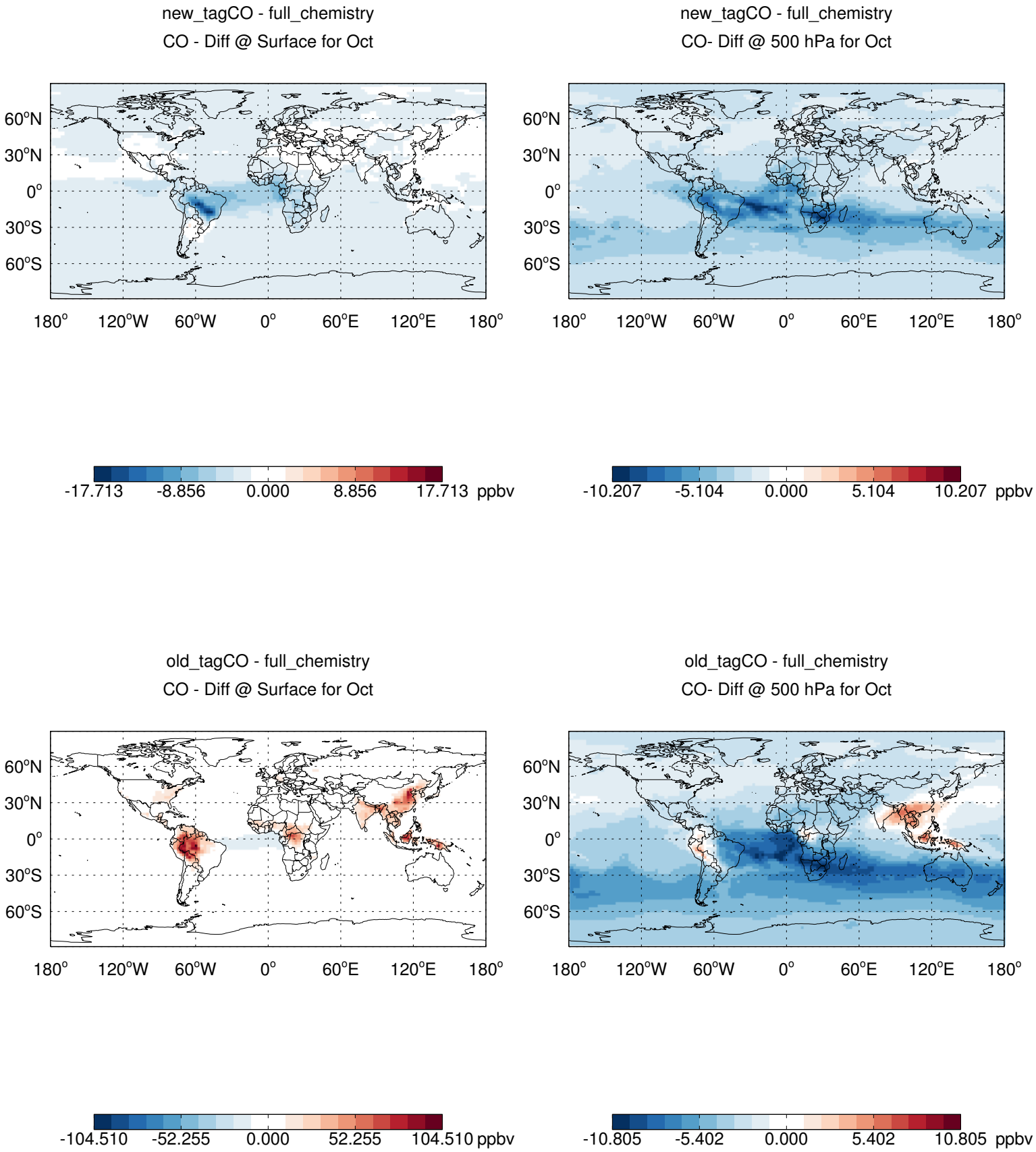
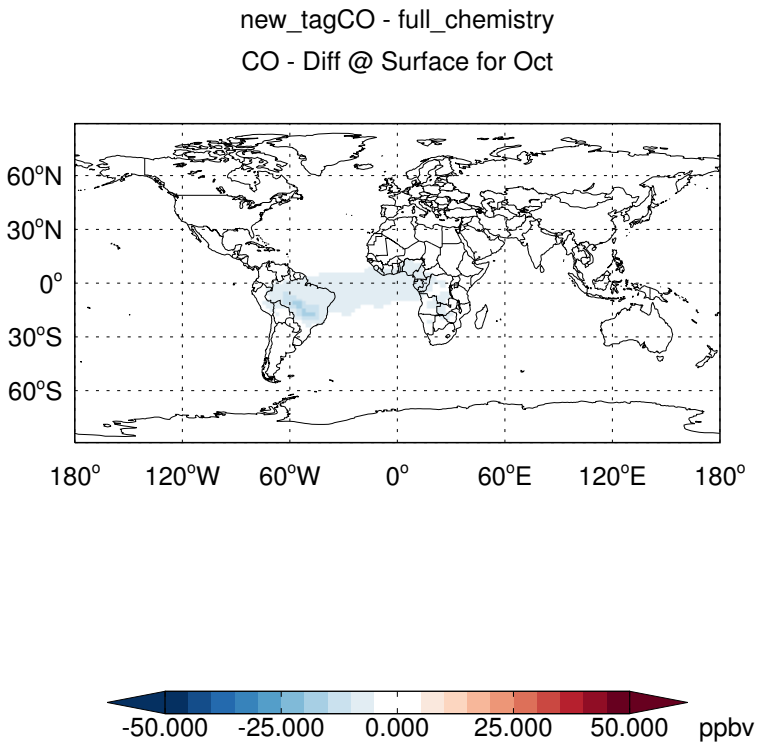
CO- Diff @ 500 hPa for Jul

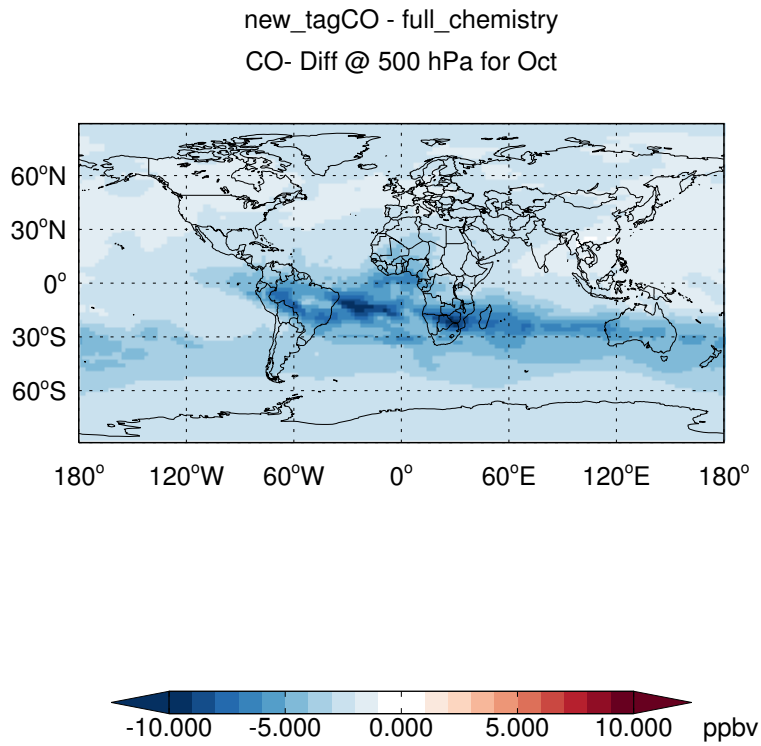


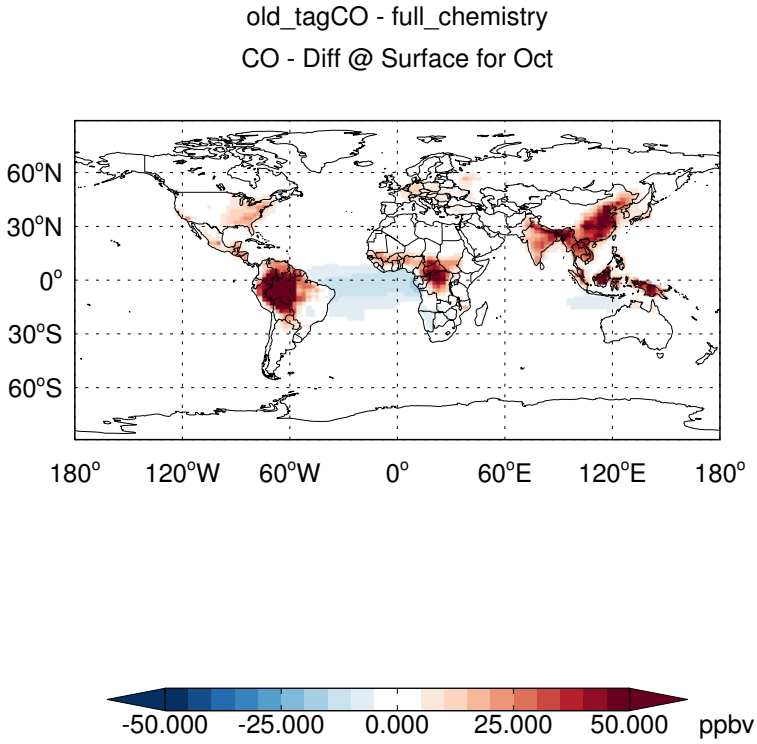
GEOS-Chem Difference Maps at surface and 500 hPa

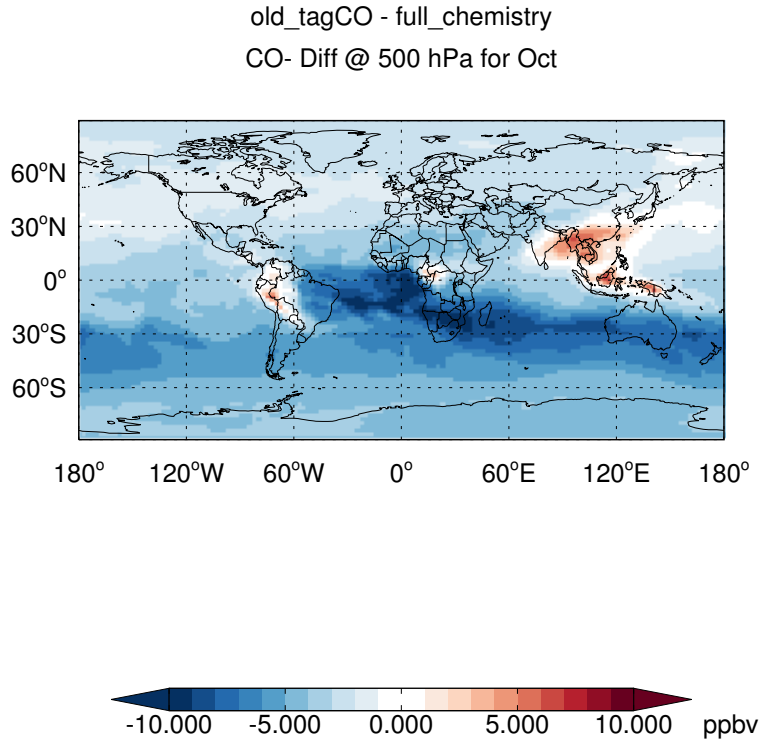


GEOS-Chem Difference Maps at surface and 500 hPa

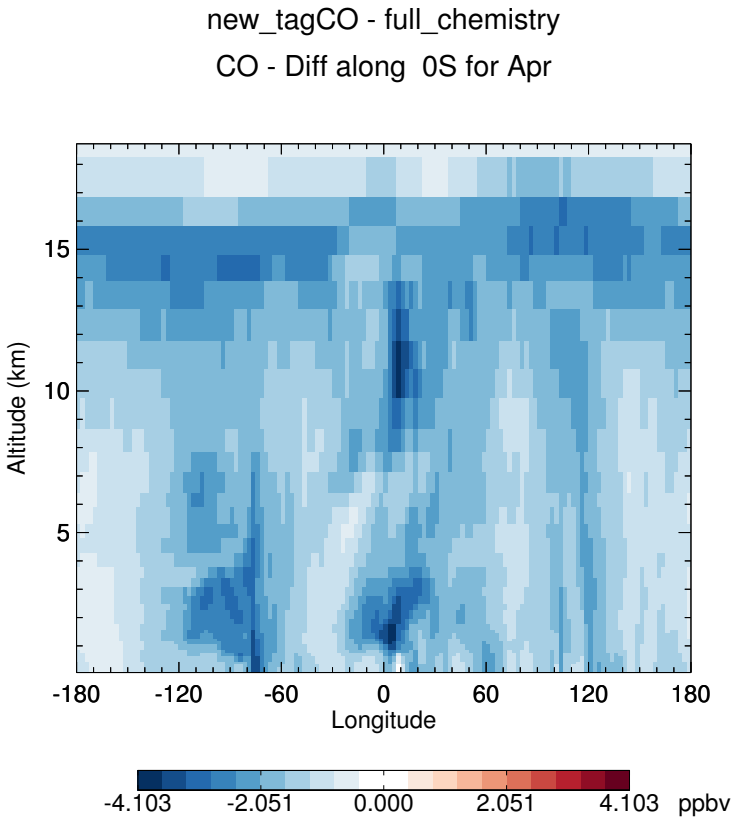


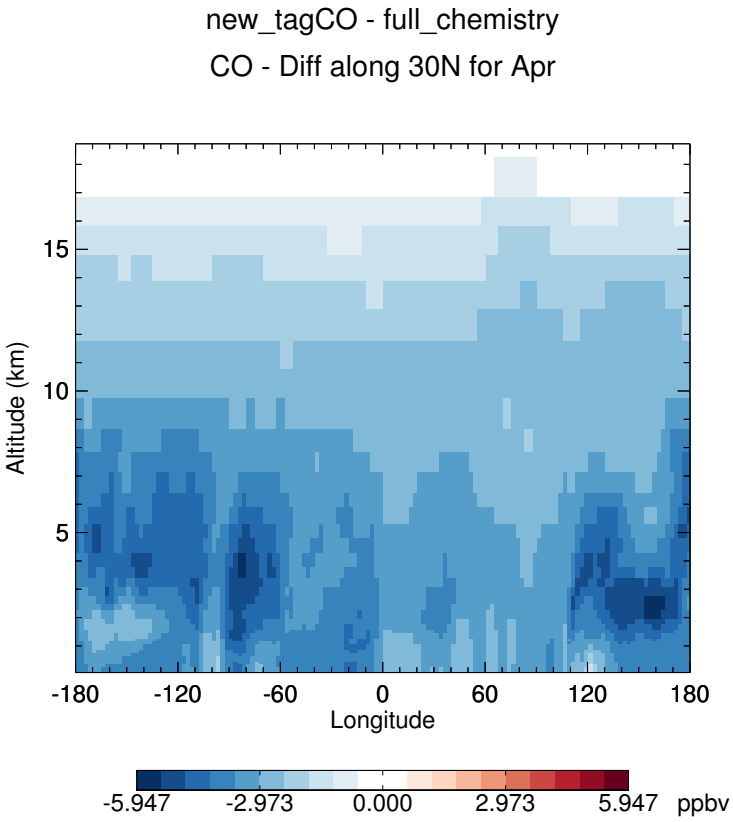


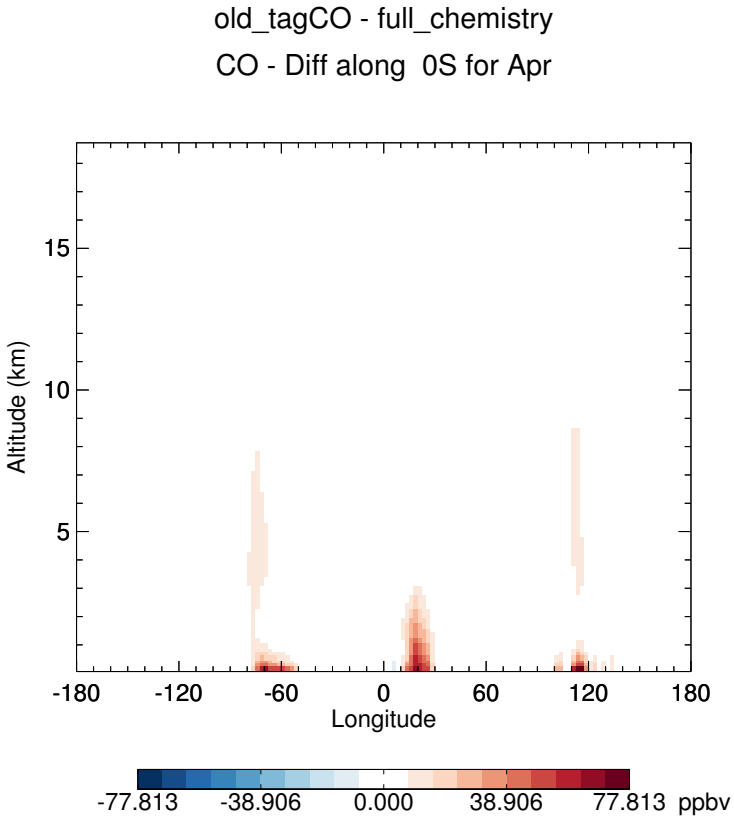


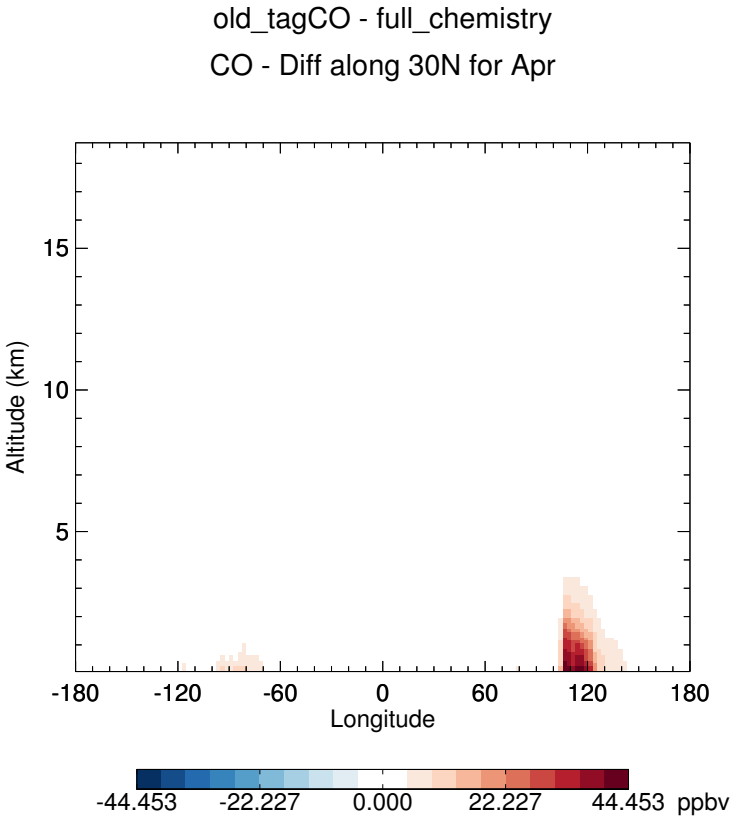


GEOS-Chem Longitudinal Difference Profiles



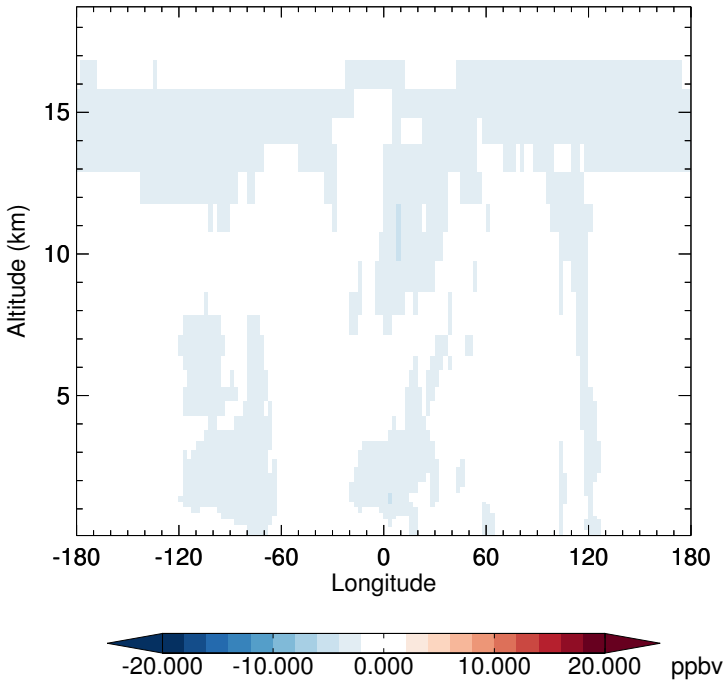




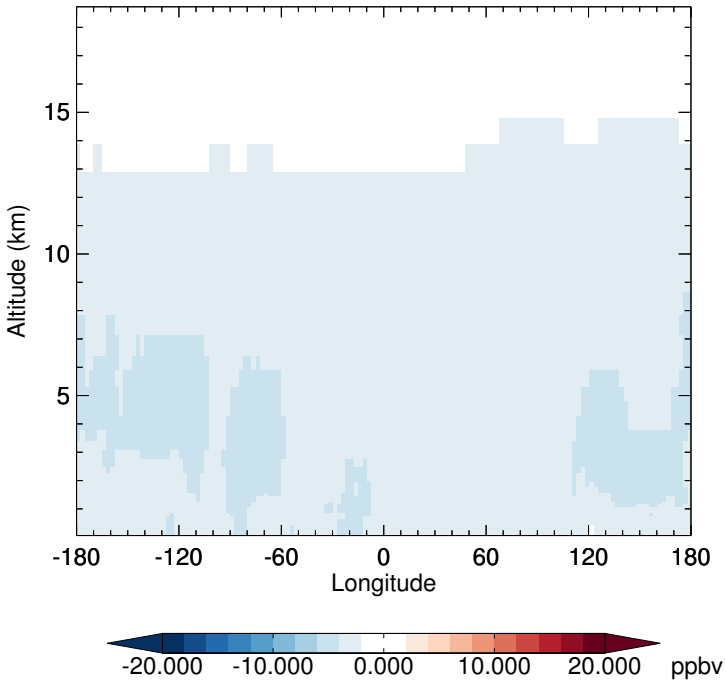


GEOS-Chem Longitudinal Difference Profiles

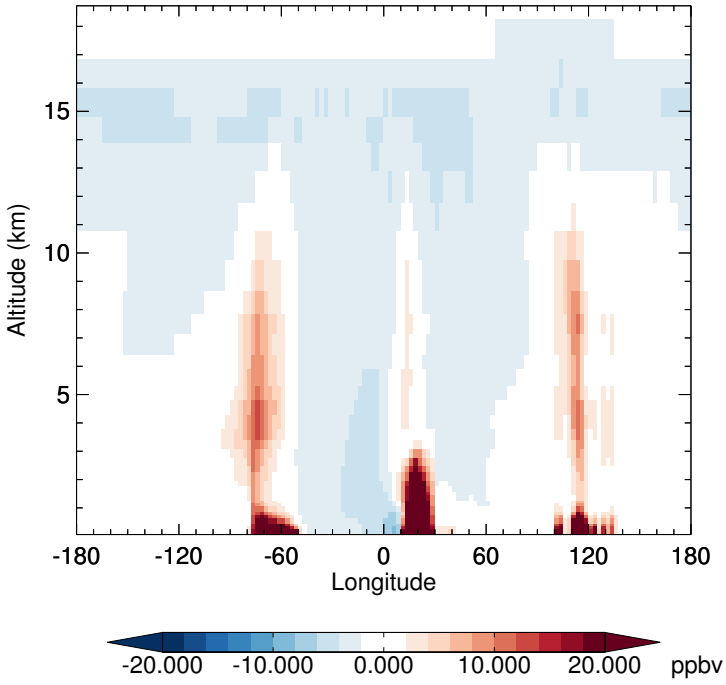
new_tagCO - full_chemistry
CO - Diff along 0S for Apr



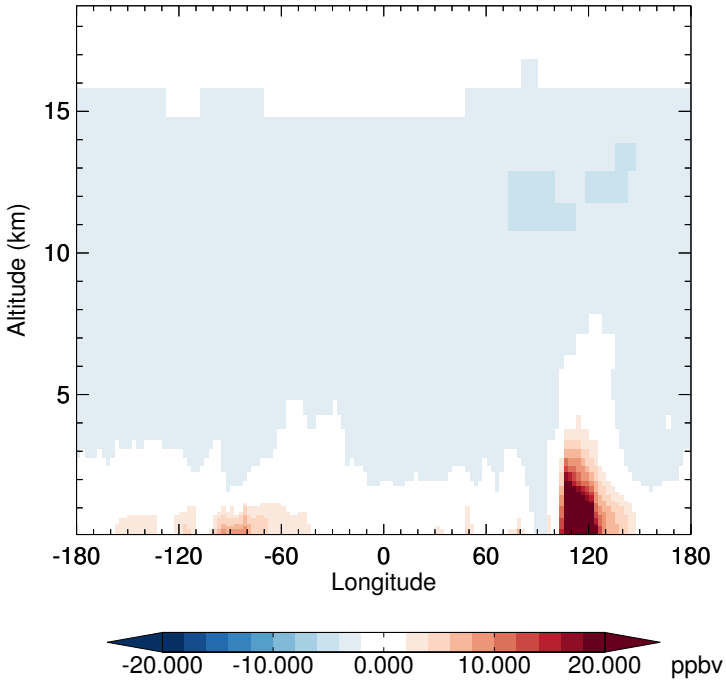
new_tagCO - full_chemistry
CO - Diff along 30N for Apr



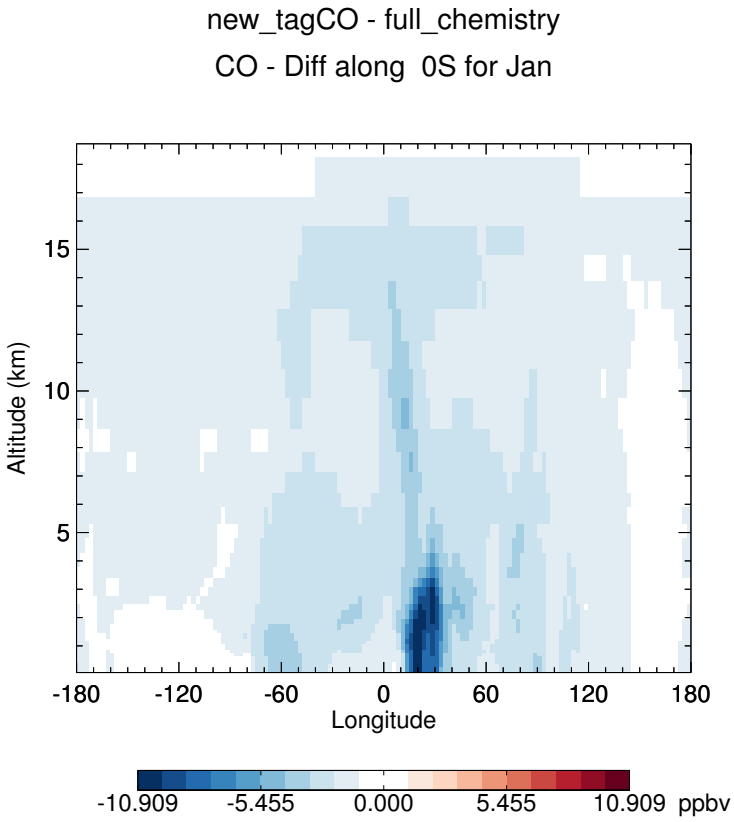
old_tagCO - full_chemistry
CO - Diff along 0S for Apr

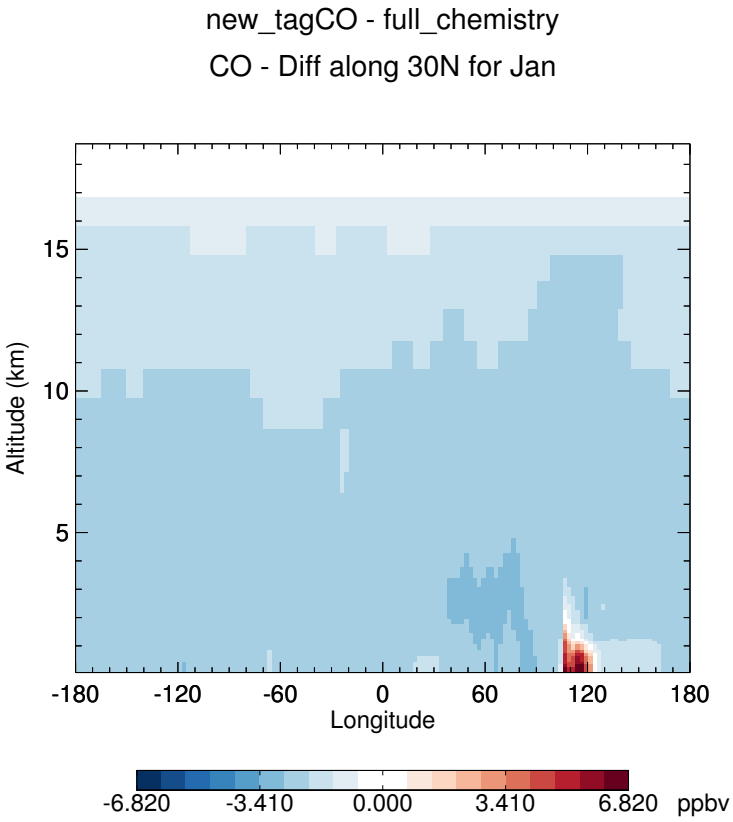


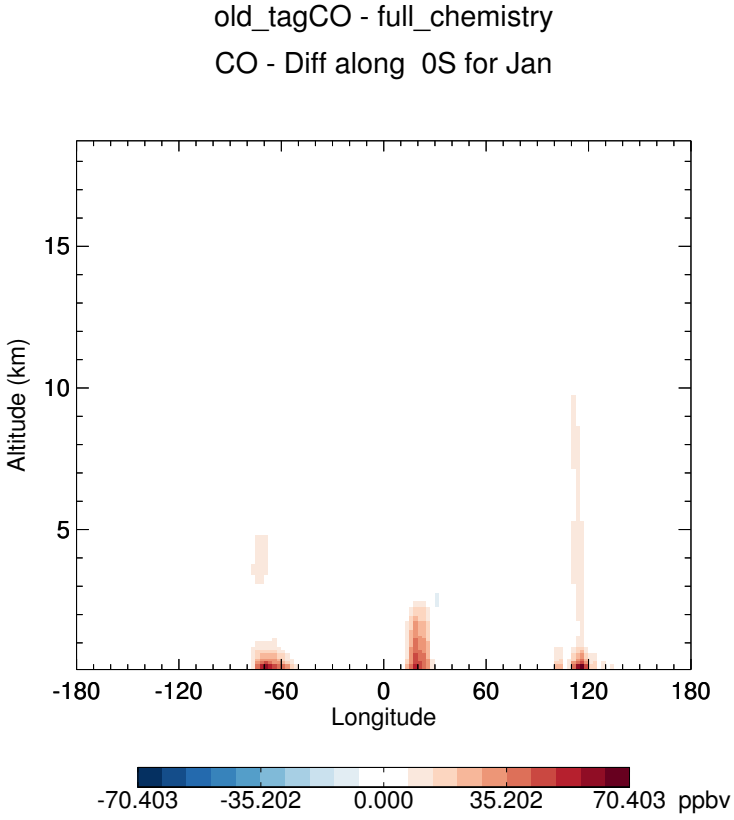
old_tagCO - full_chemistry
CO - Diff along 30N for Apr

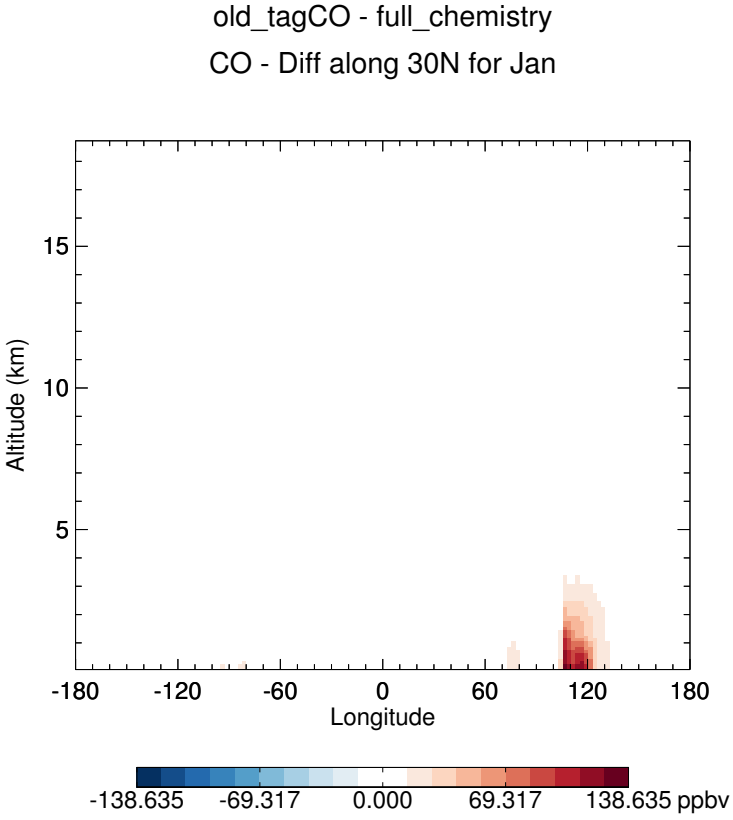


GEOS-Chem Longitudinal Difference Profiles



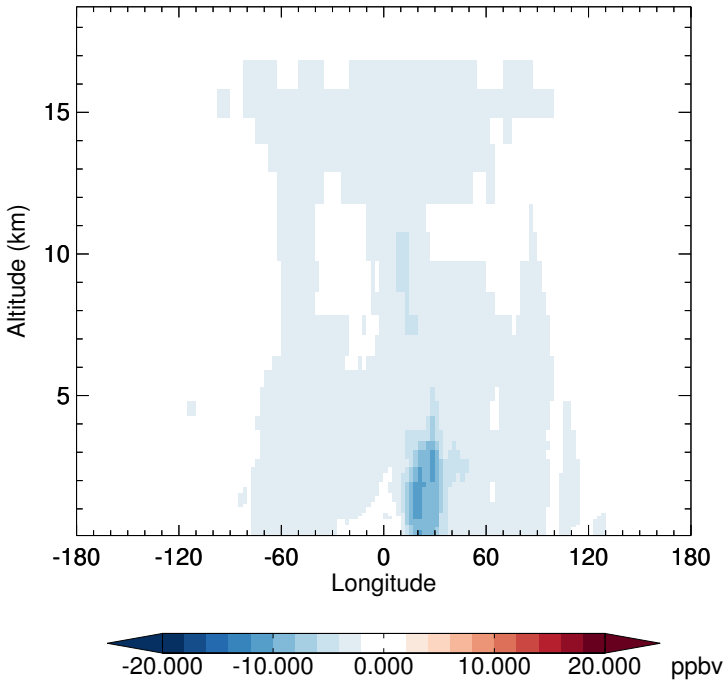






GEOS-Chem Longitudinal Difference Profiles

new_tagCO - full_chemistry
CO - Diff along 0S for Jan



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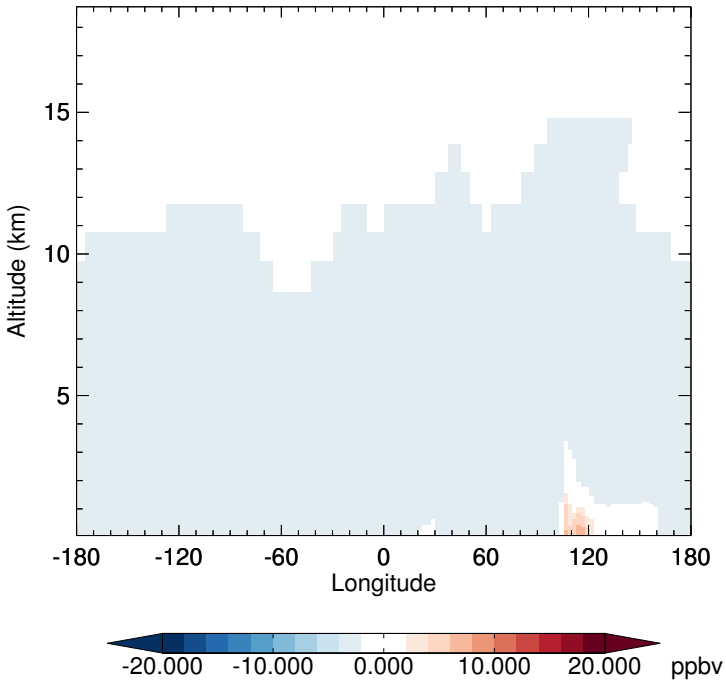
CO - Diff along 30N for Jan



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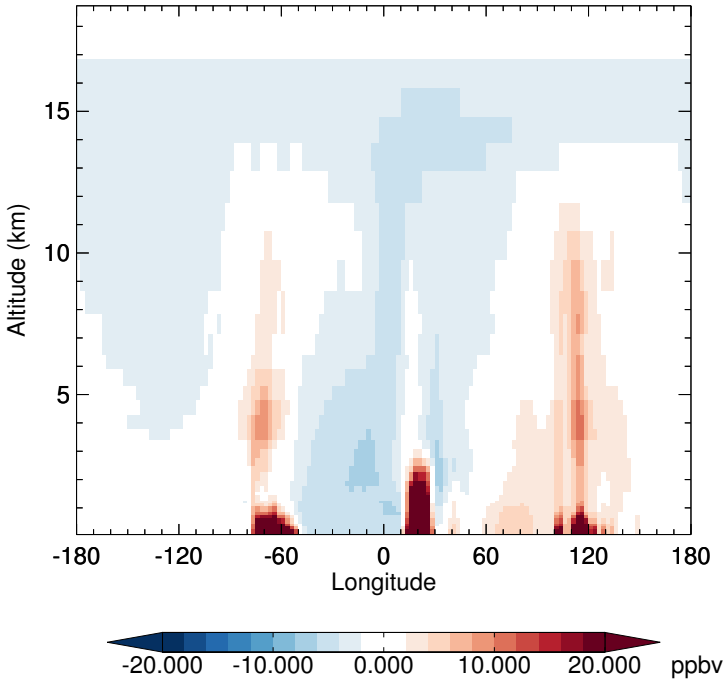
CO - Diff along 0S for Jan



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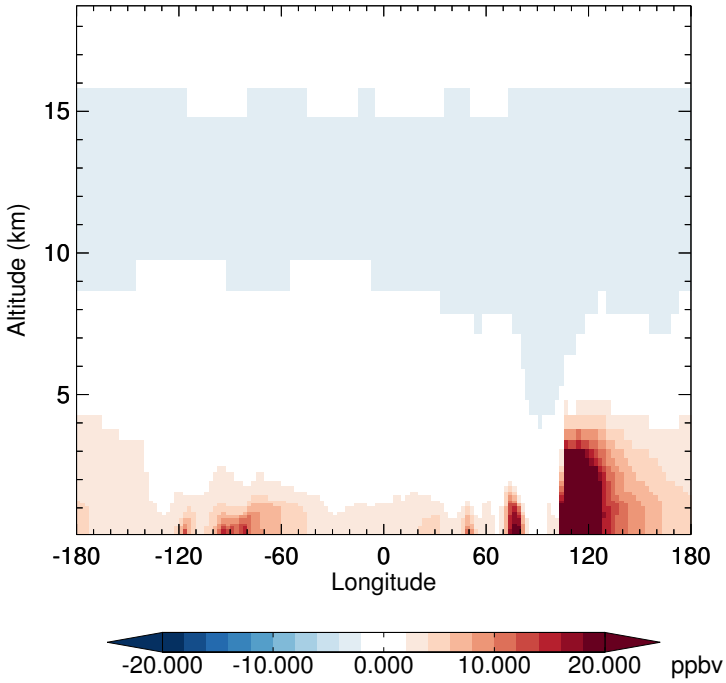
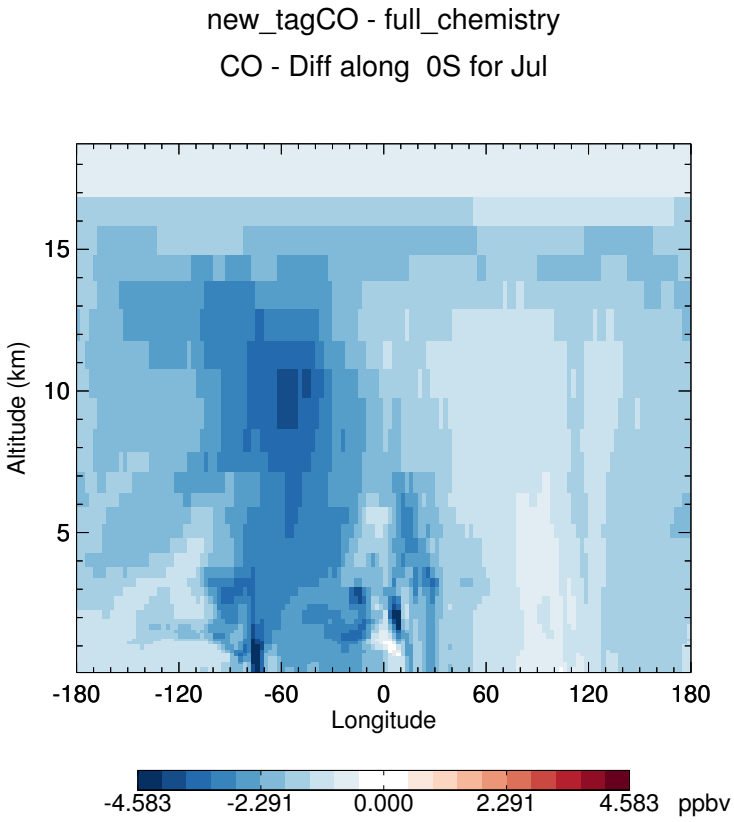
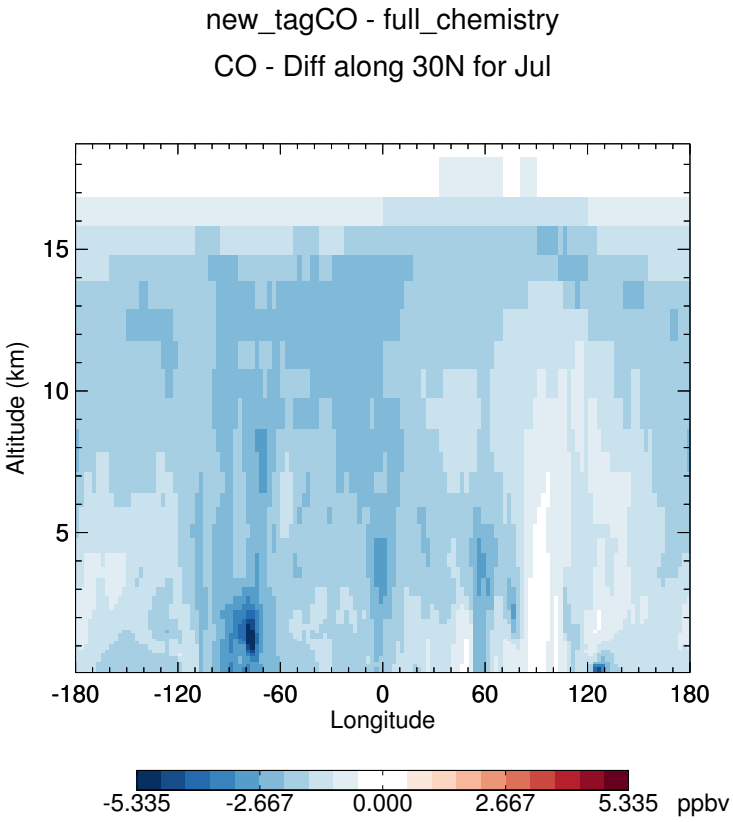
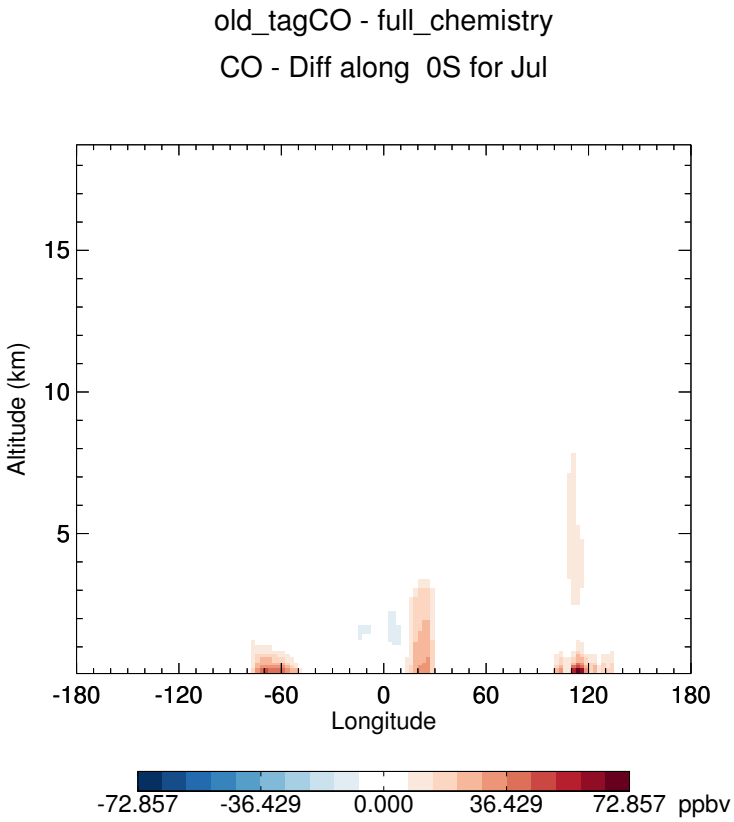
CO - Diff along 30N for Jan

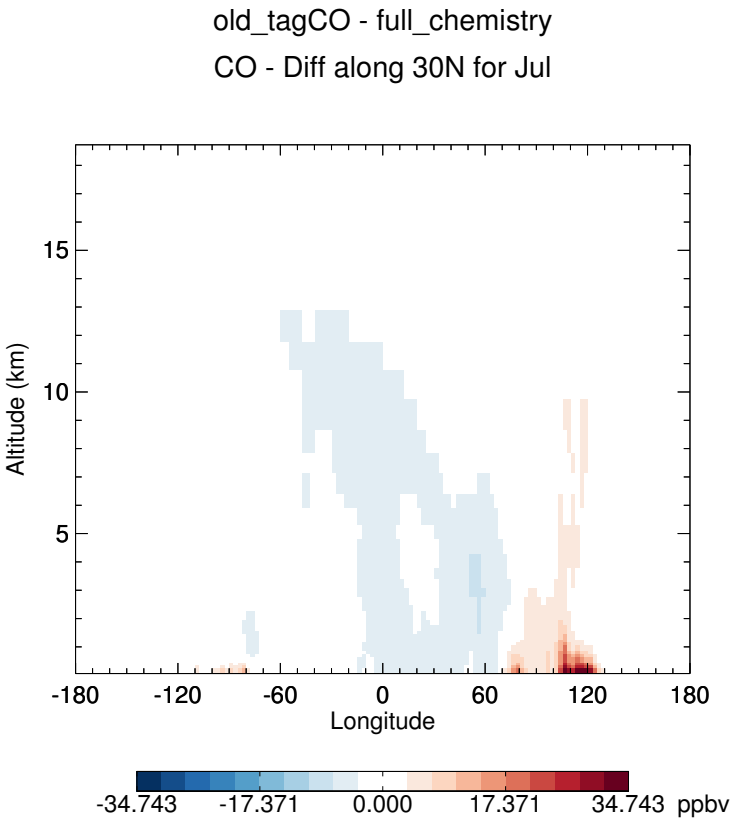


GEOS-Chem Longitudinal Difference Profiles

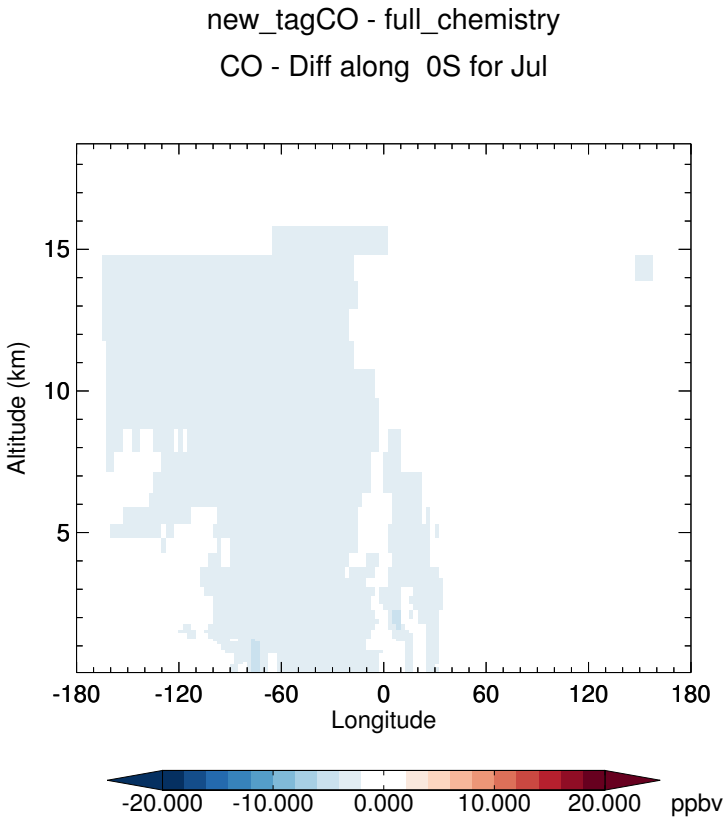


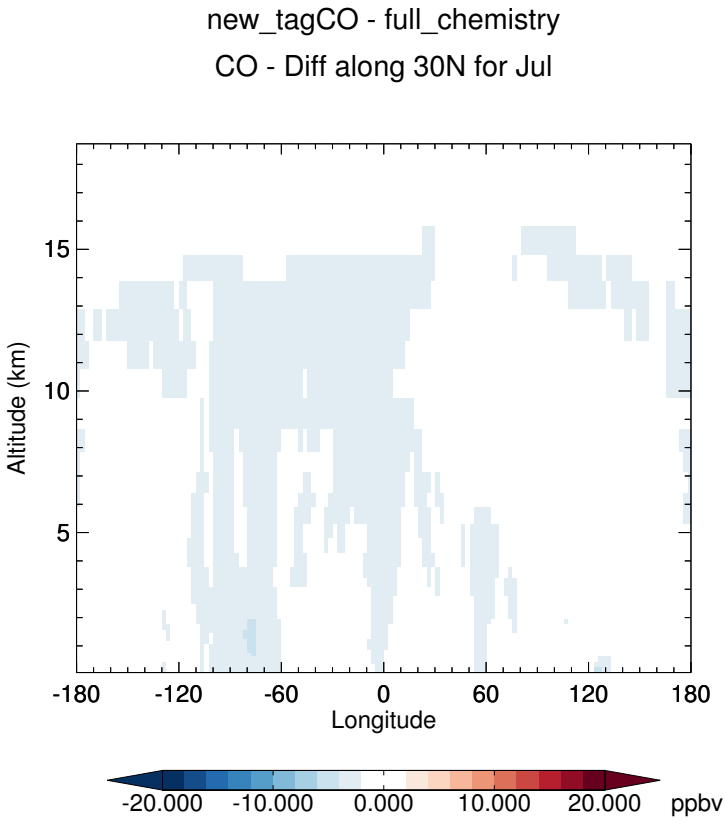


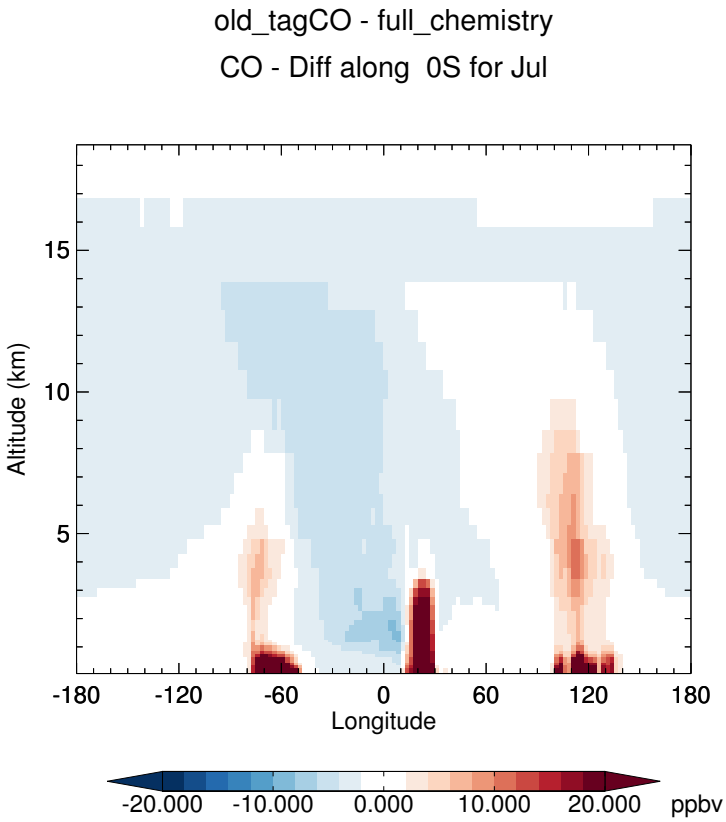


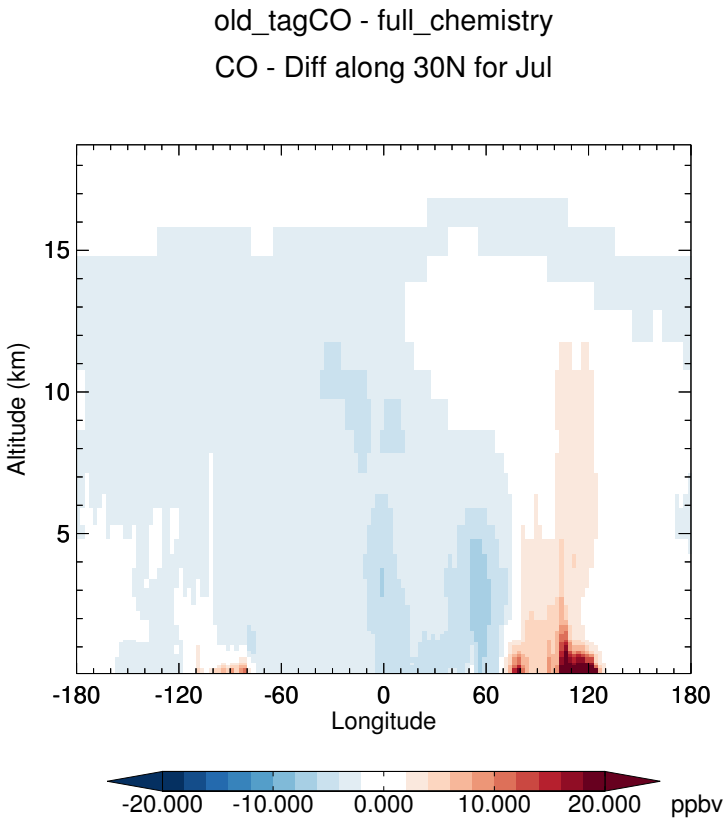


GEOS-Chem Longitudinal Difference Profiles

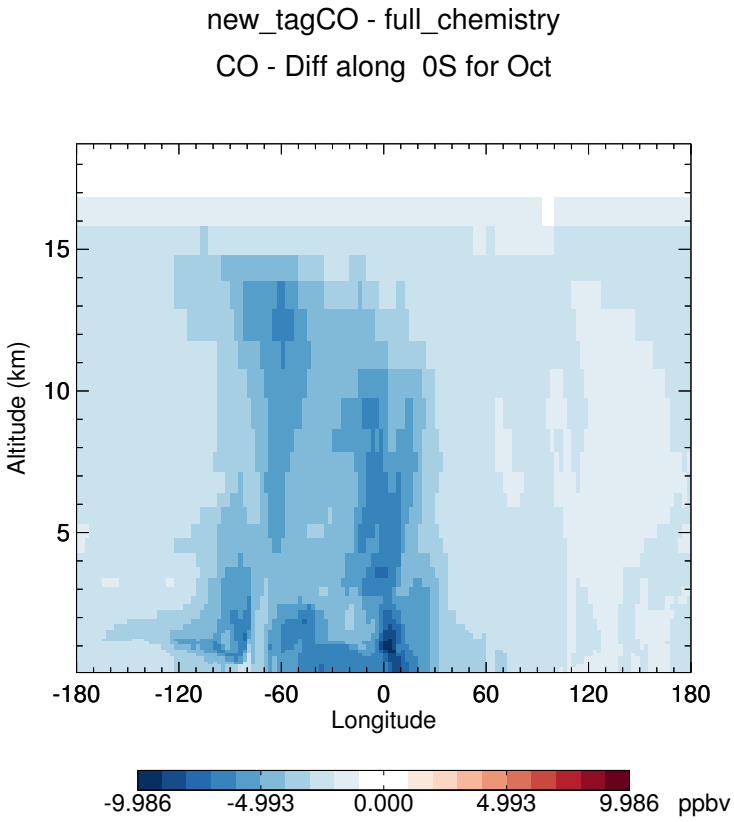


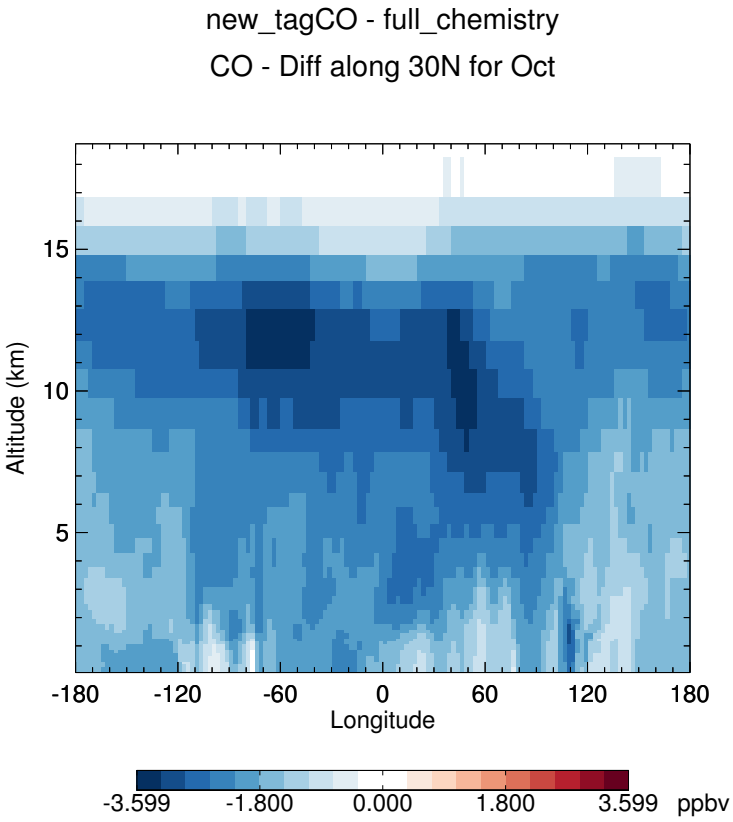


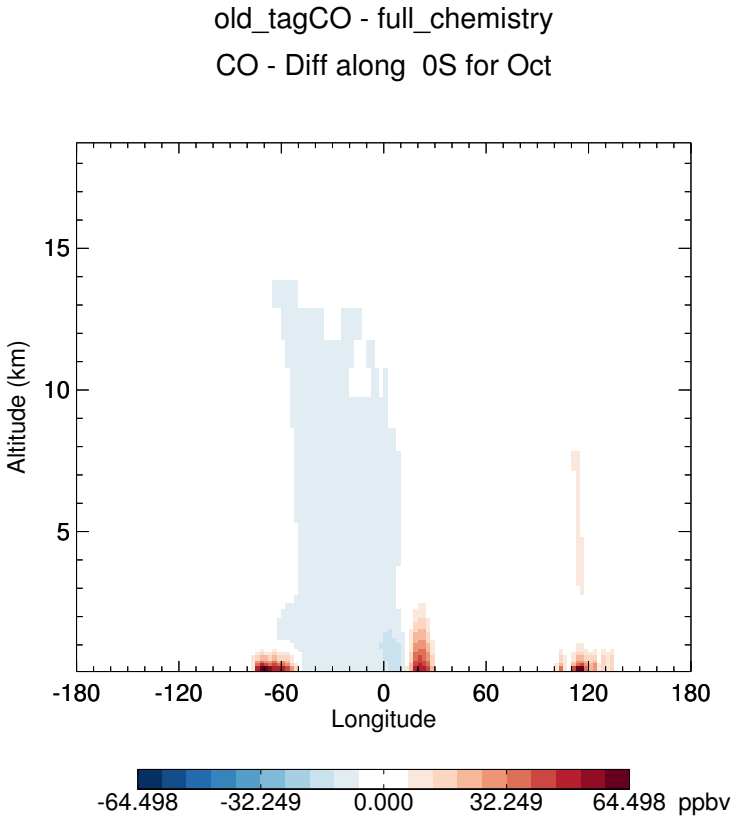


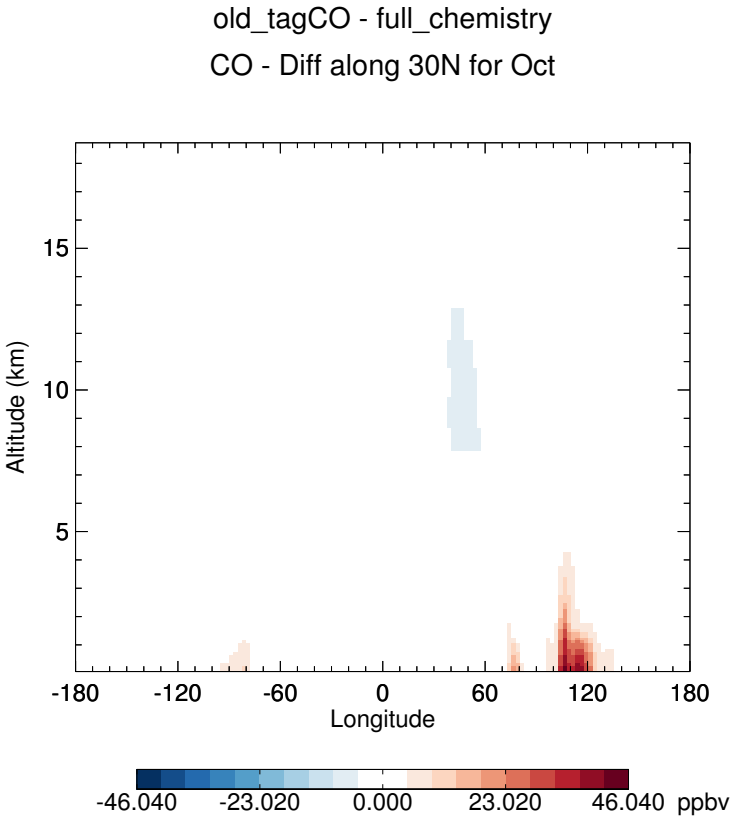


GEOS-Chem Longitudinal Difference Profiles

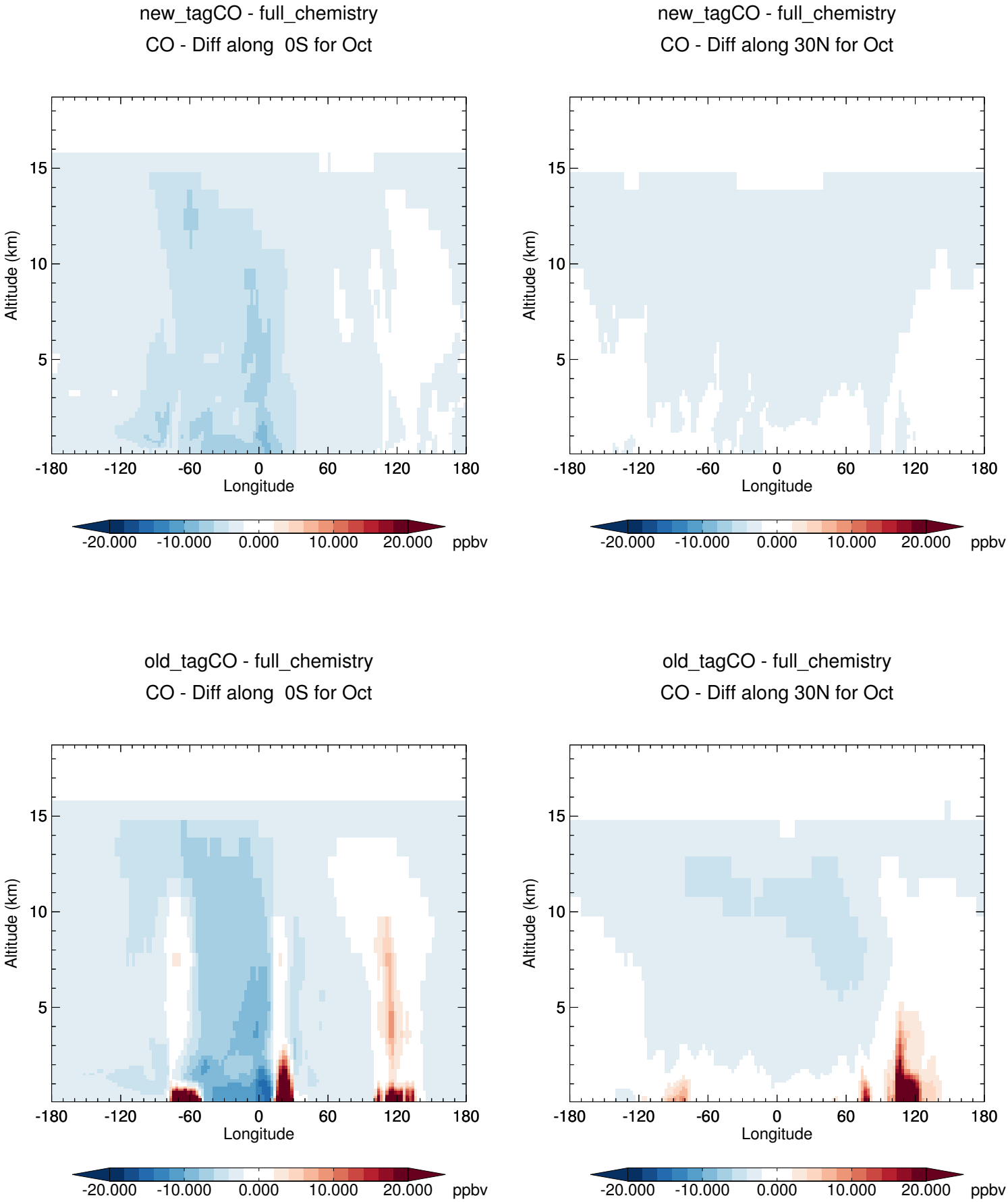




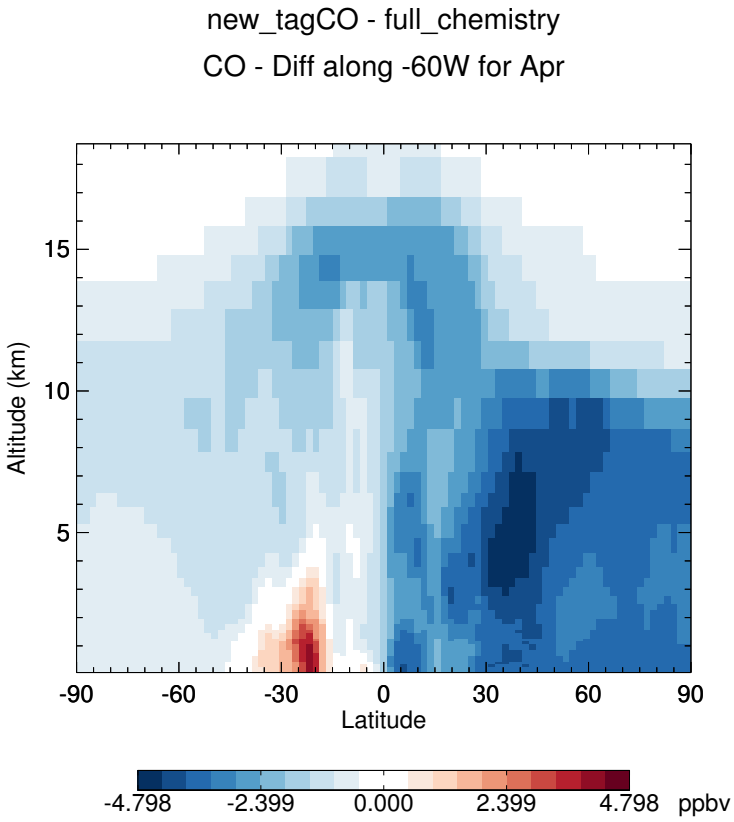


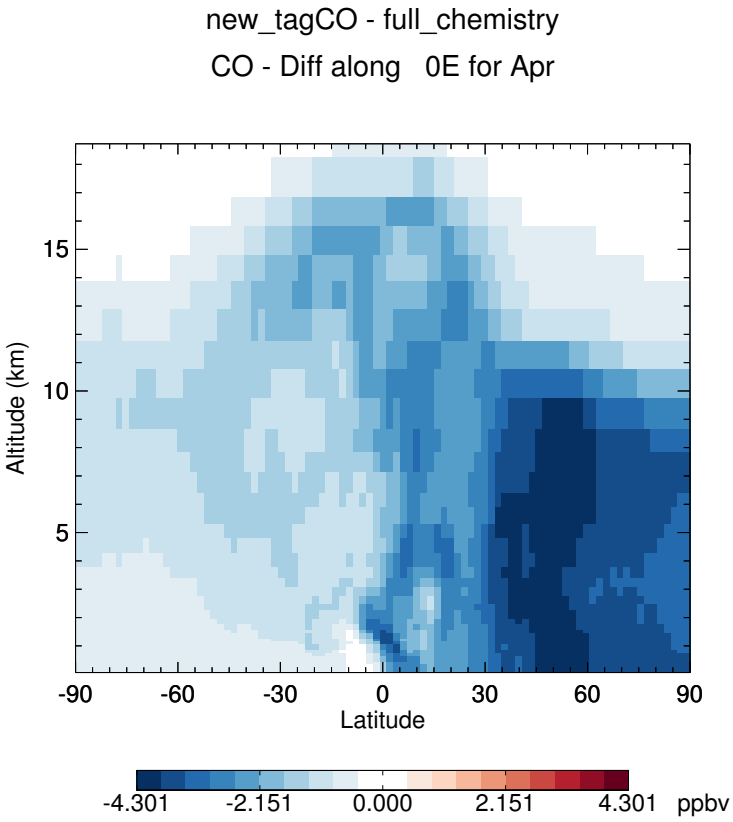


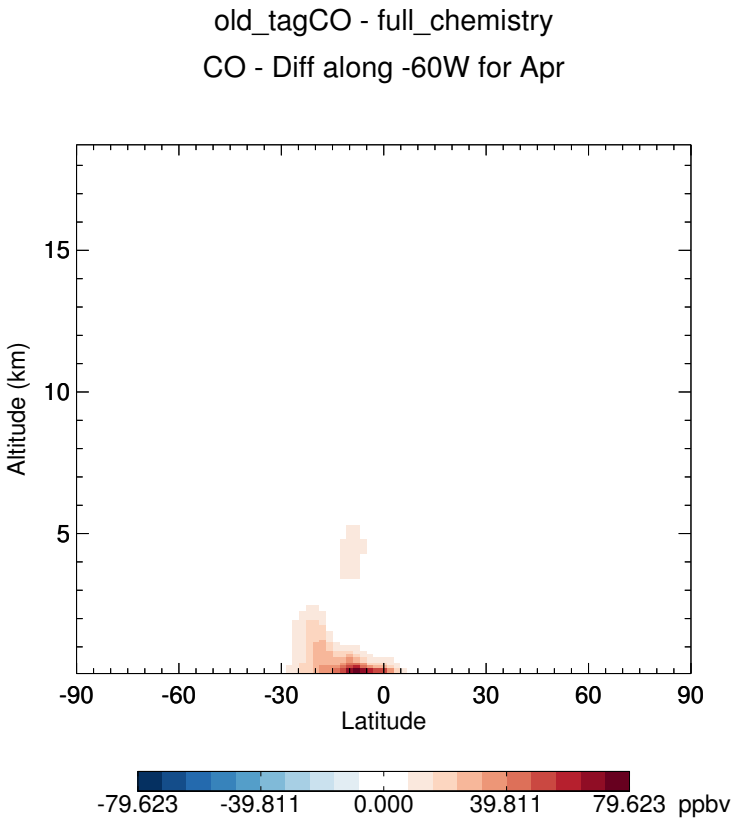
GEOS-Chem Longitudinal Difference Profiles

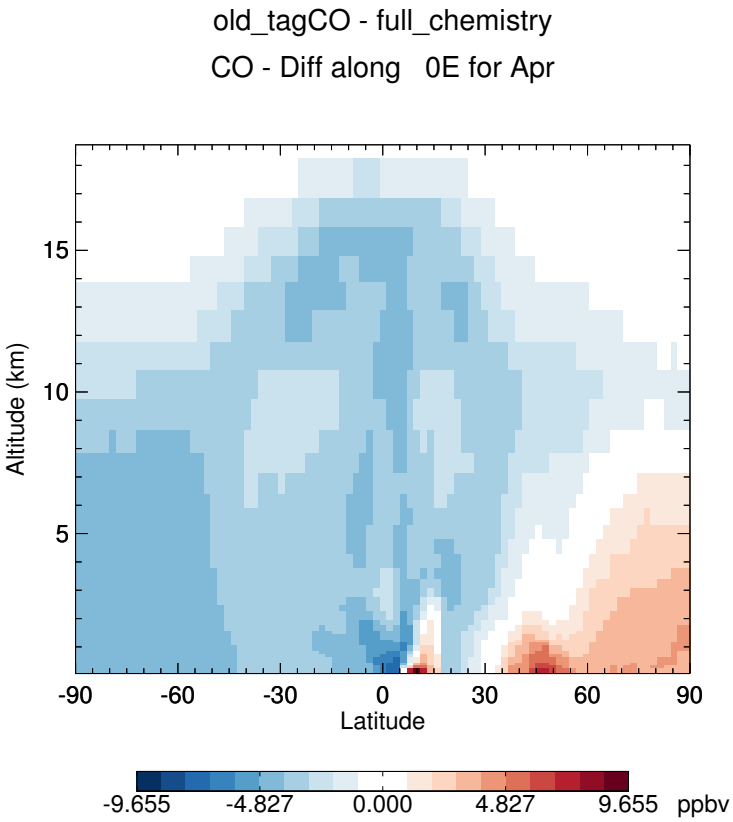


GEOS-Chem Latitudinal Difference Profiles









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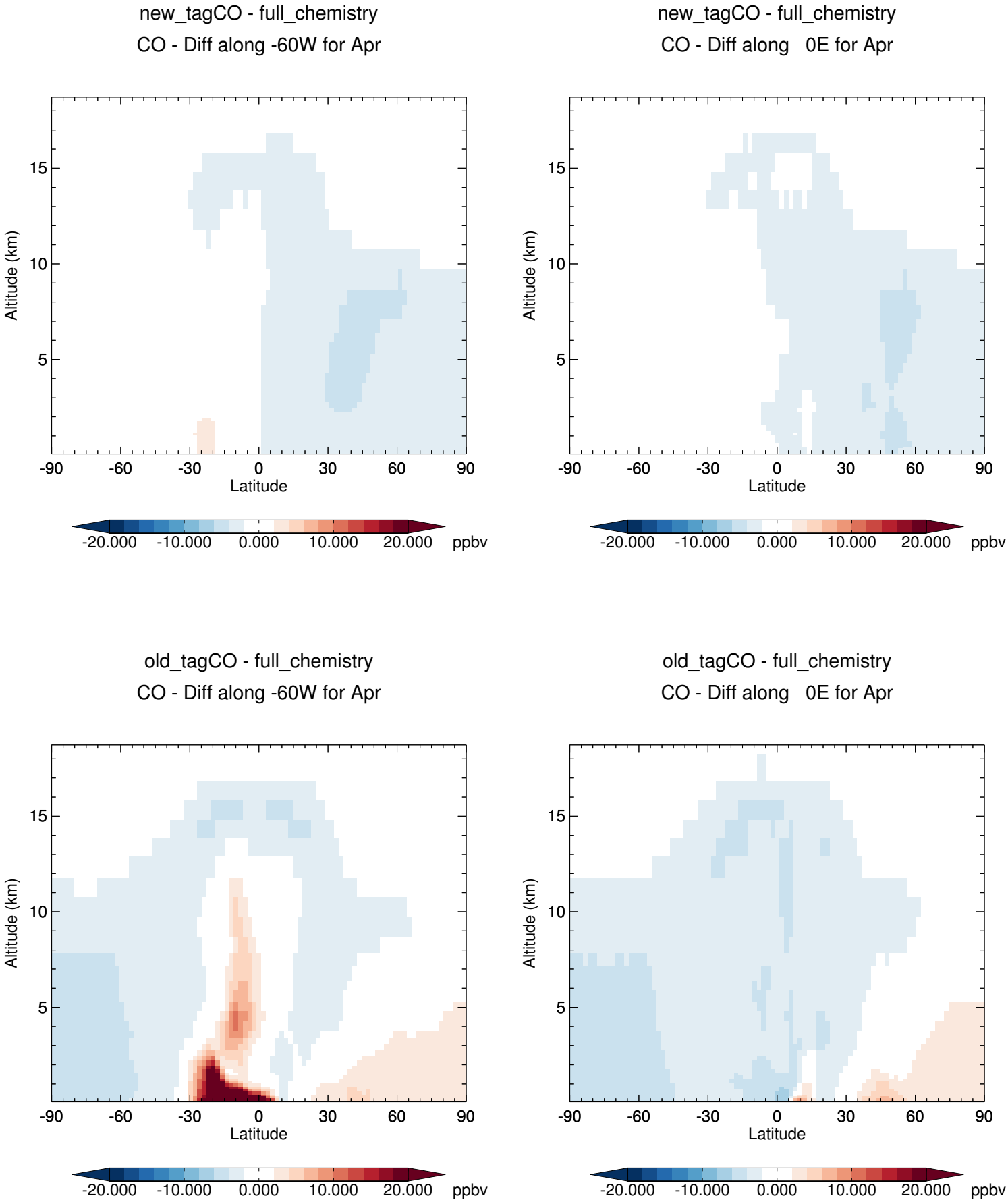

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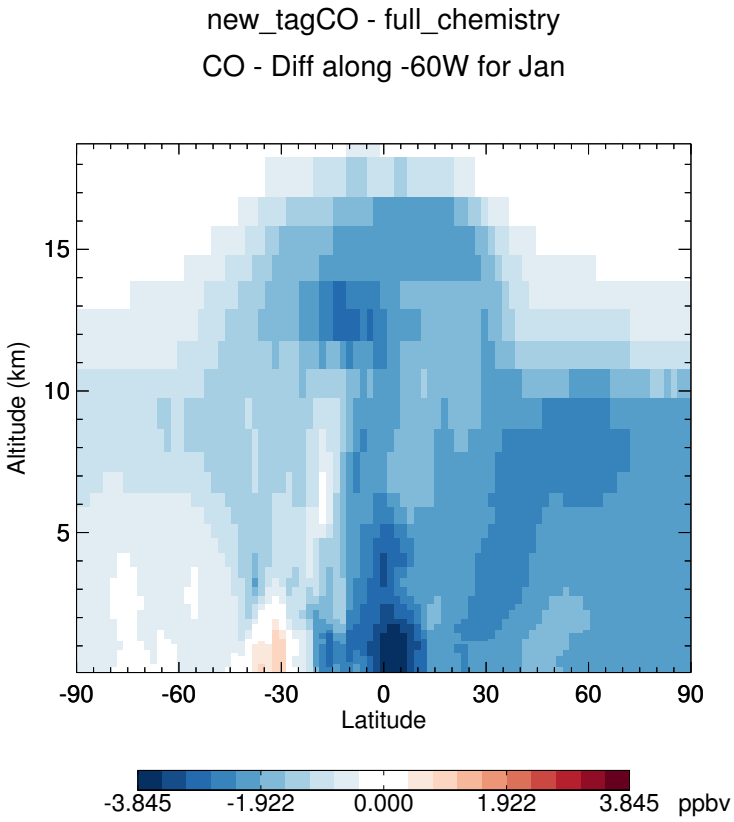

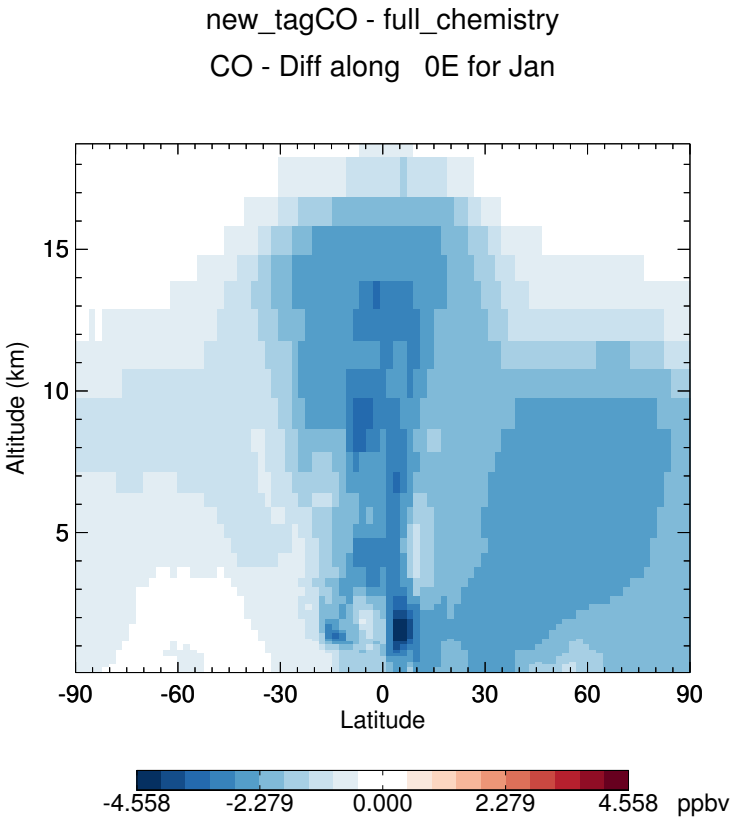

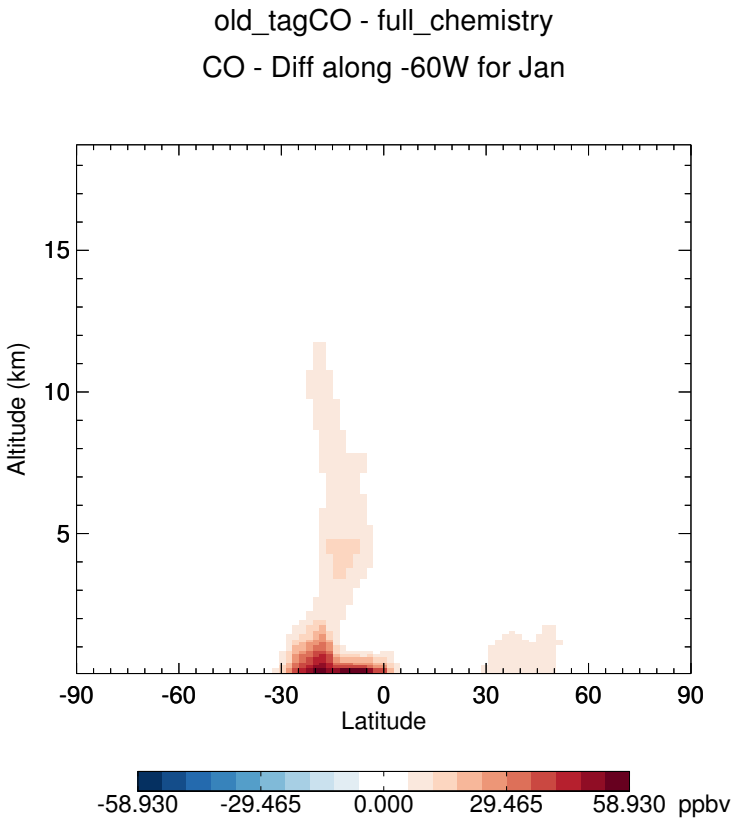

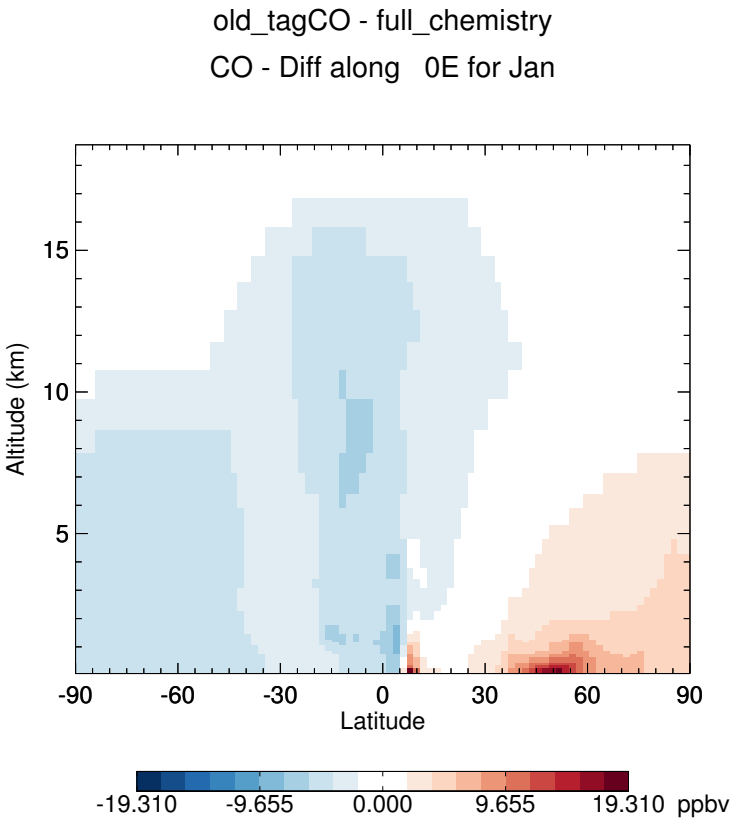

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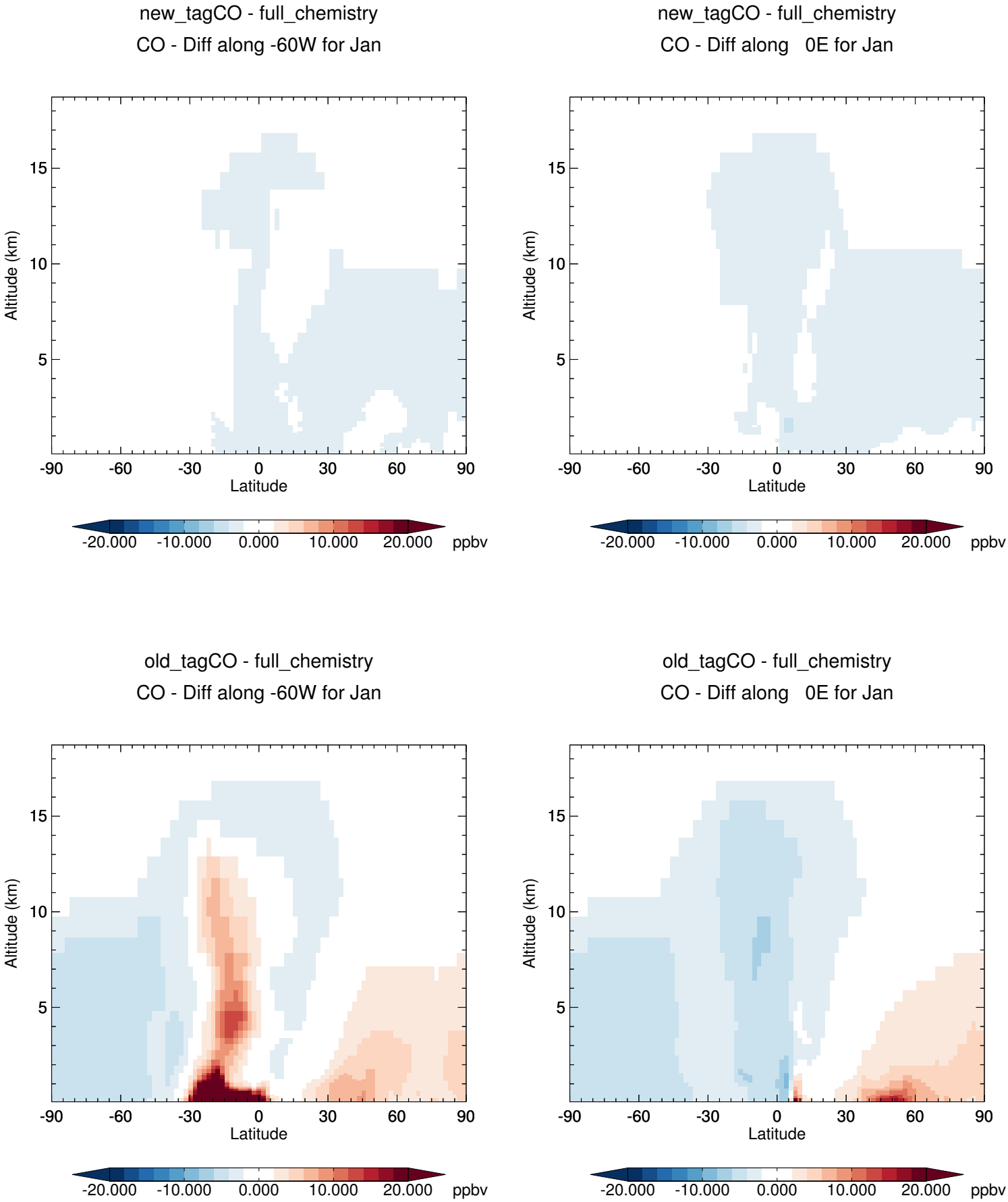
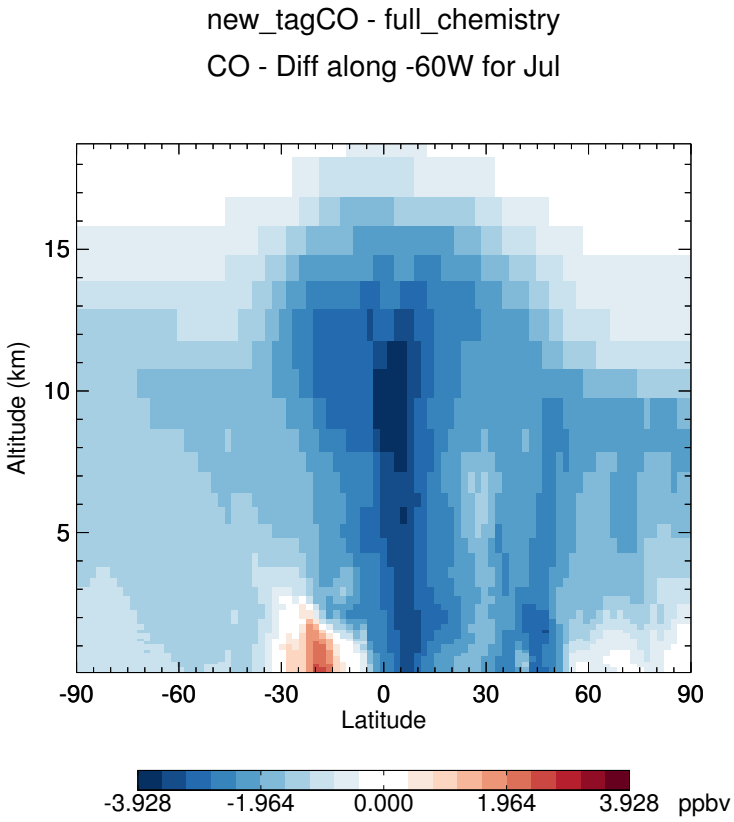
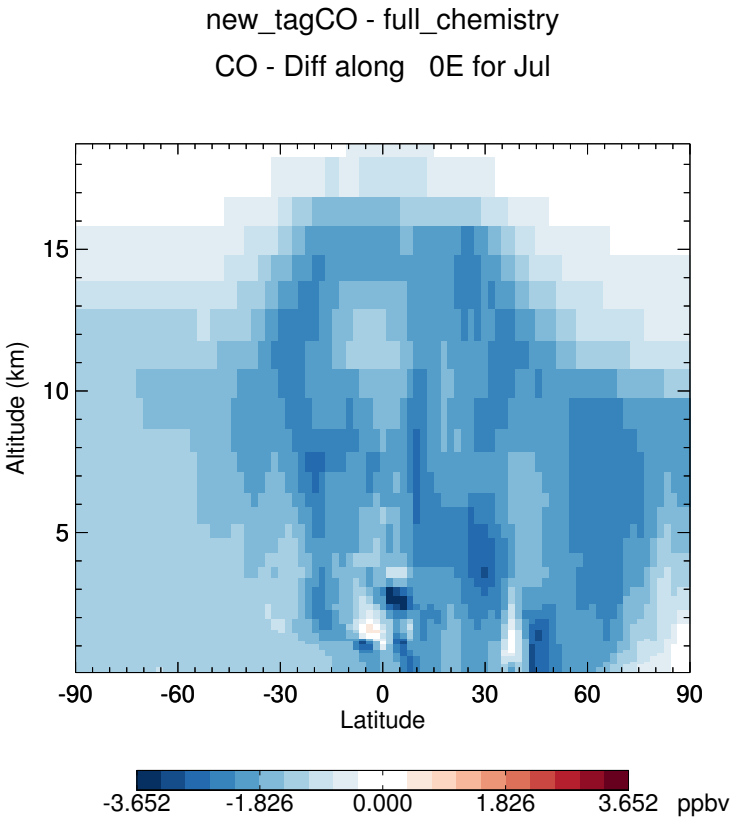
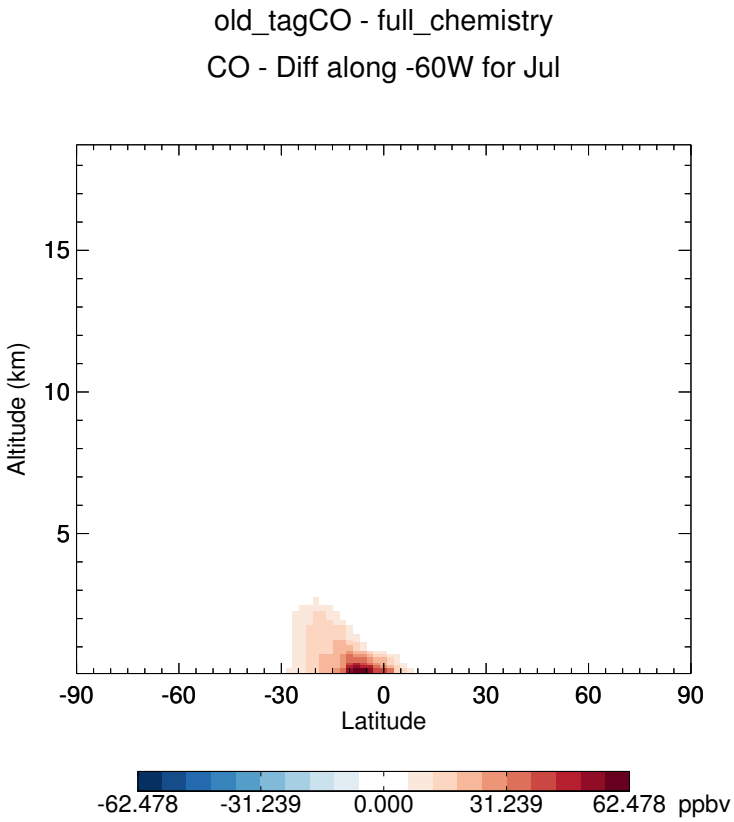
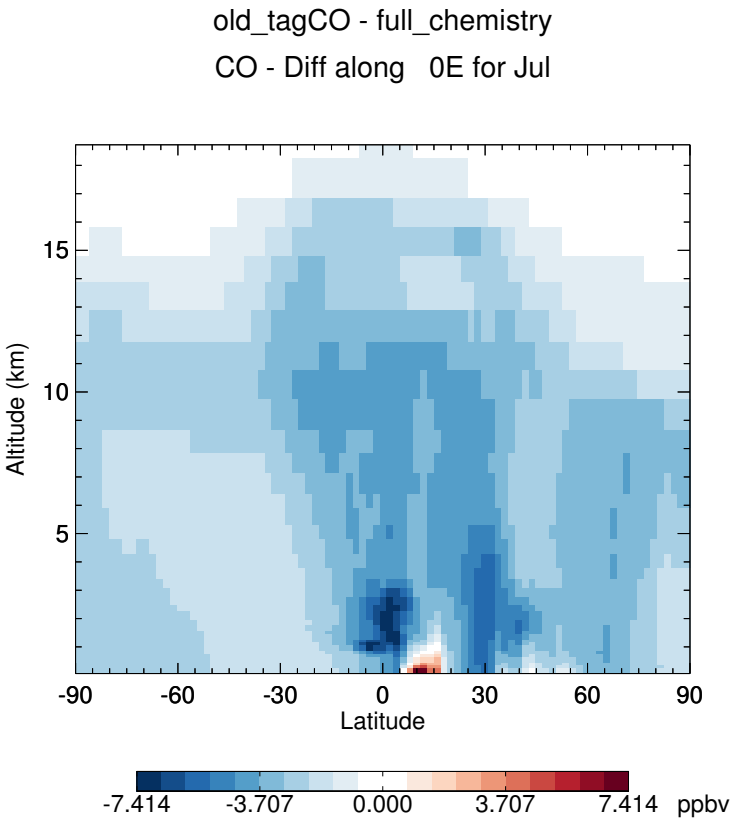


GEOS-Chem Latitudinal Difference Profiles









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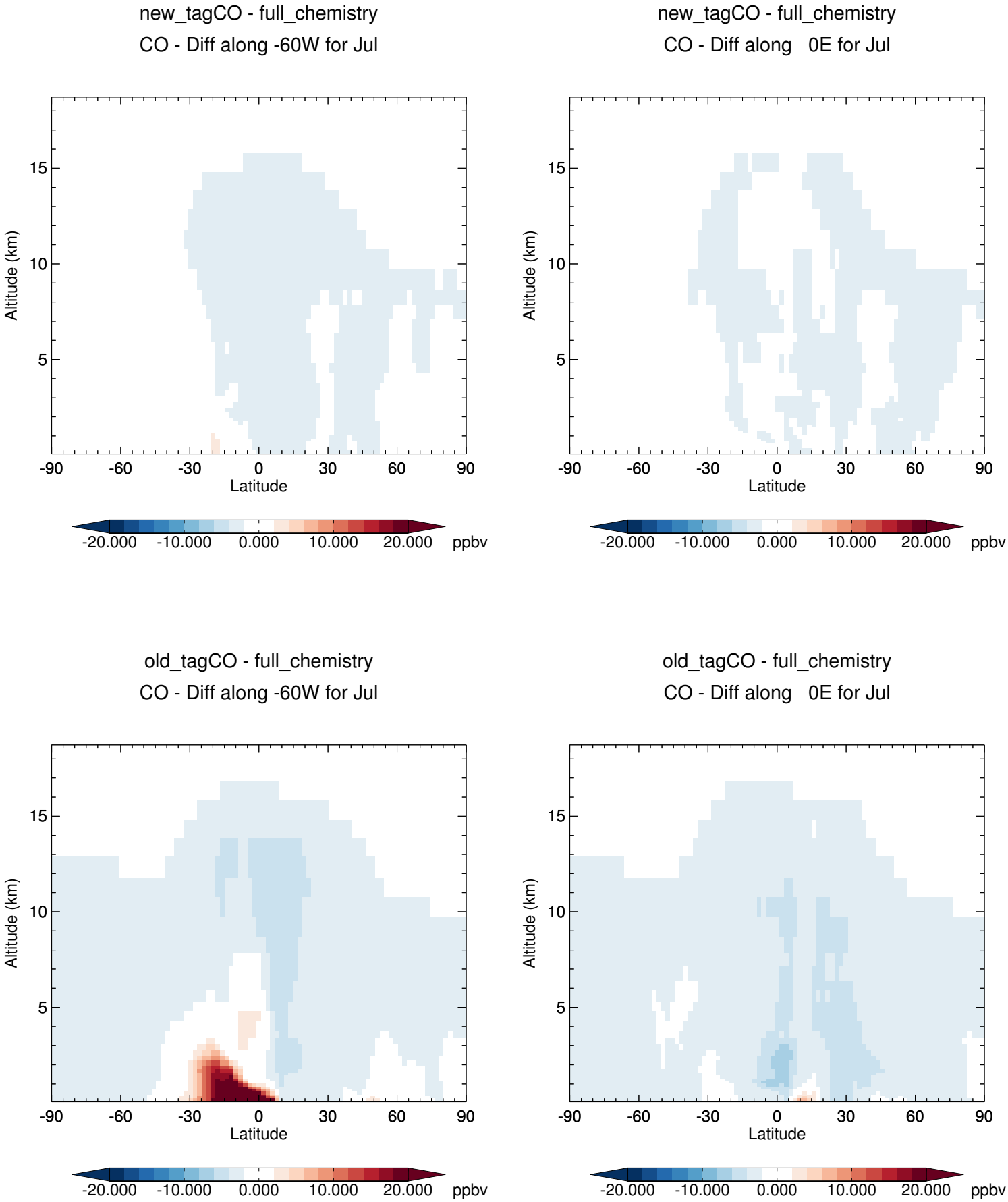
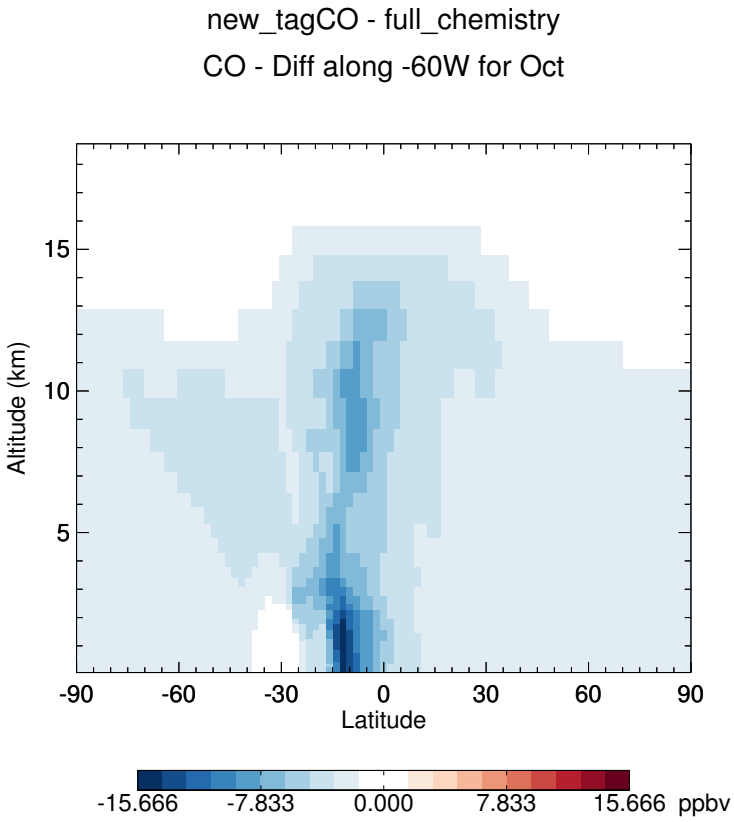
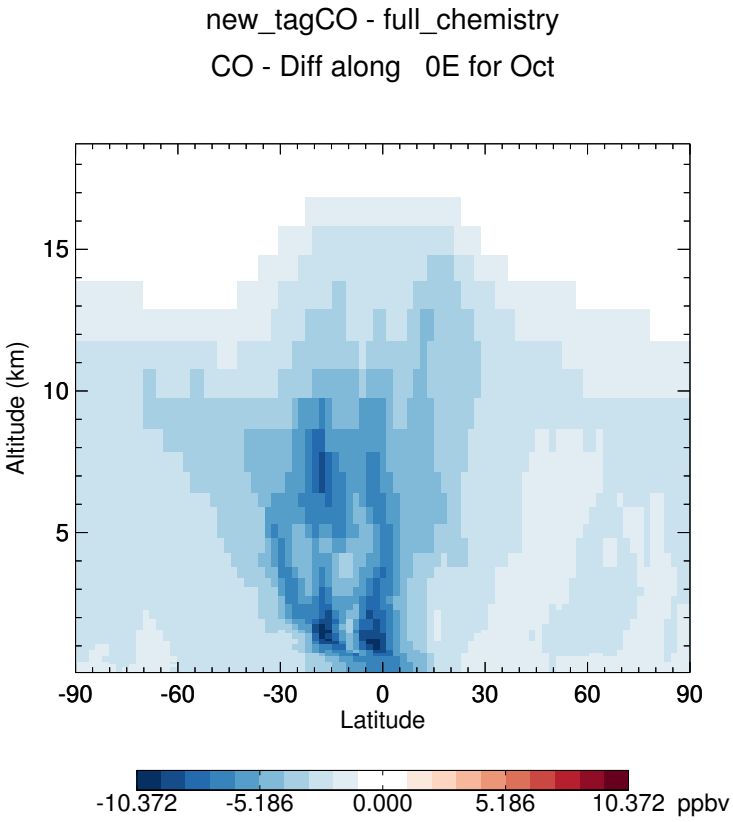
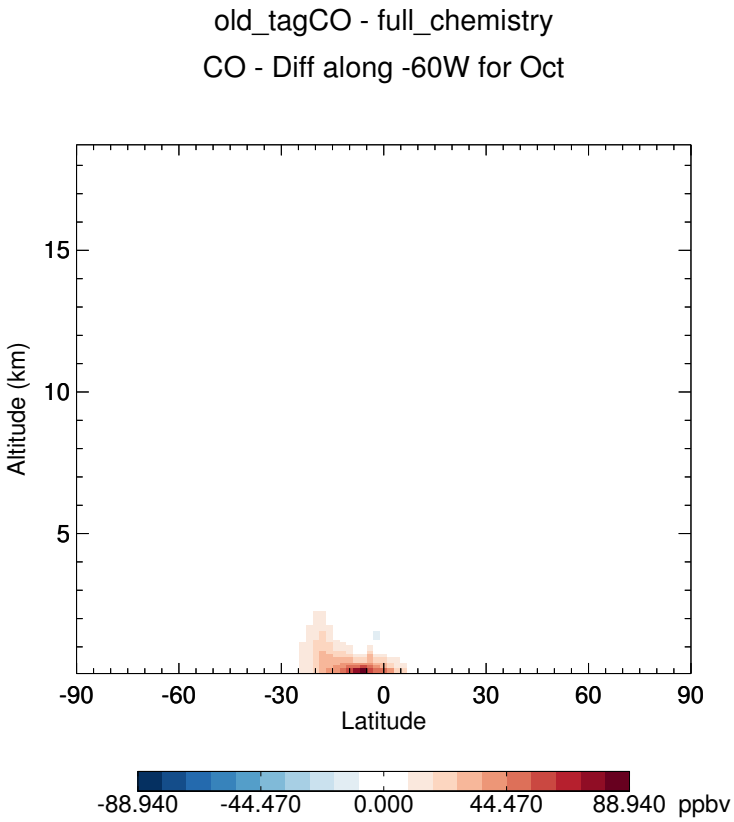
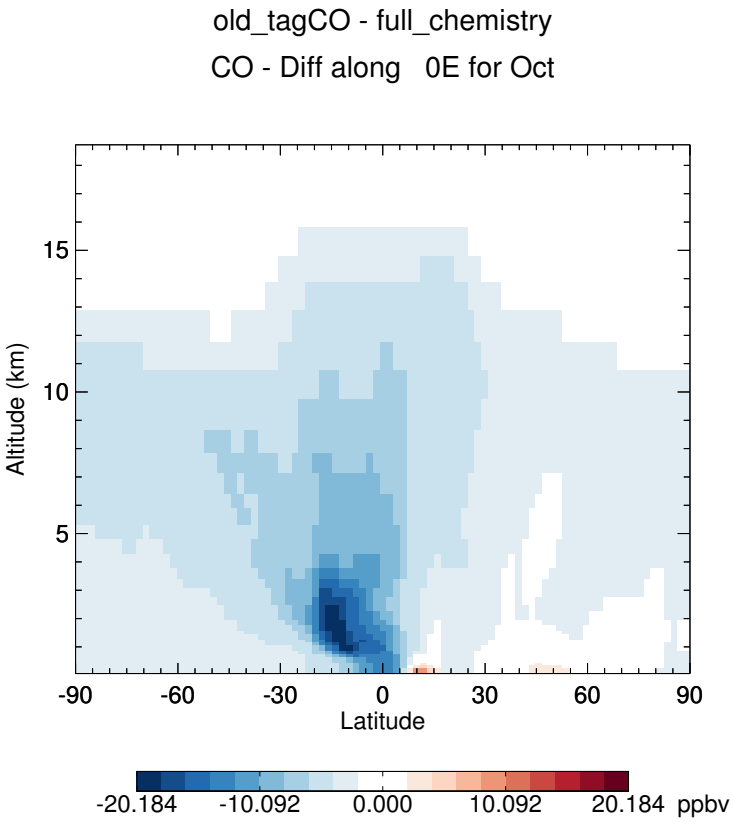


GEOS-Chem Latitudinal Difference Profiles

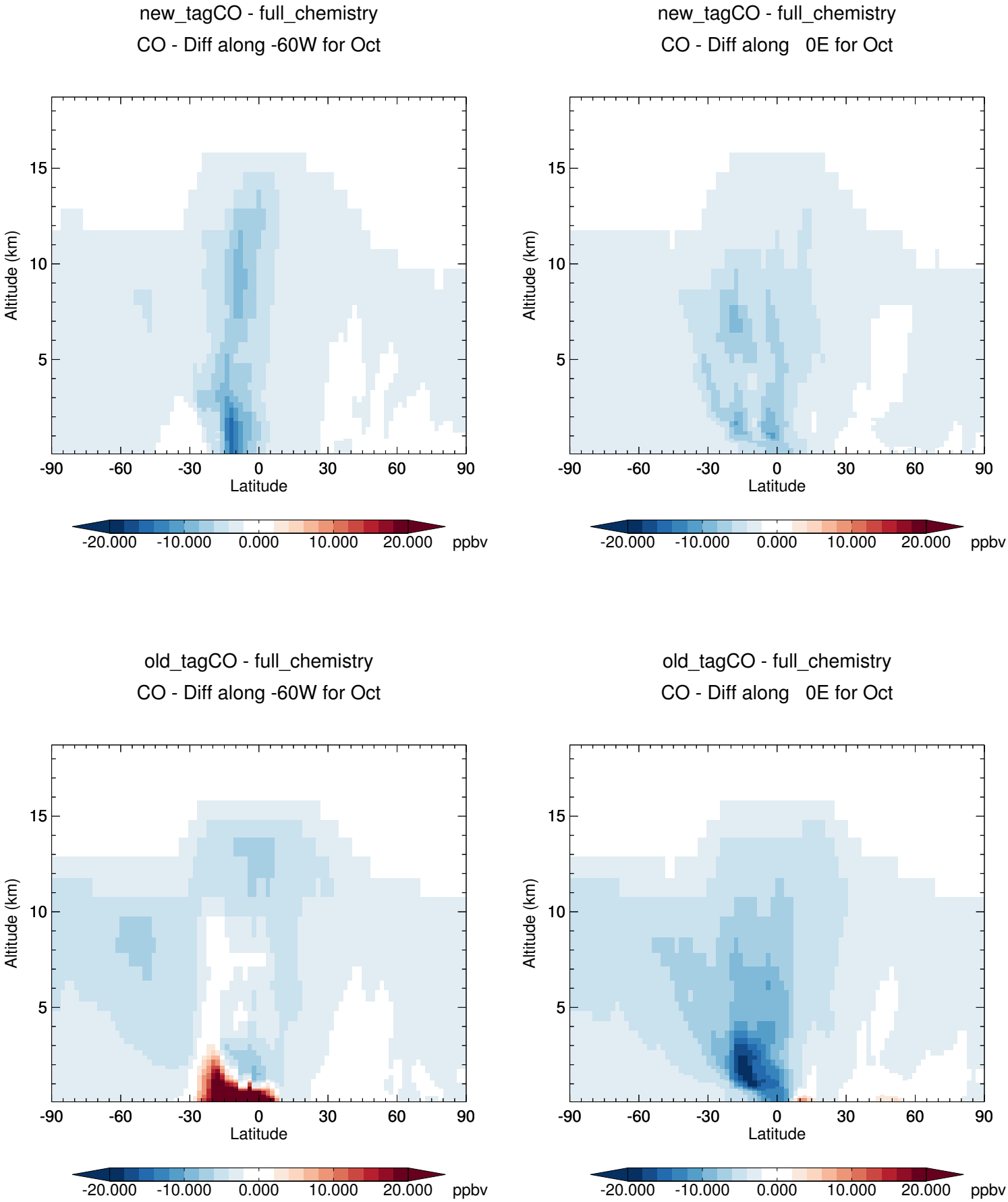






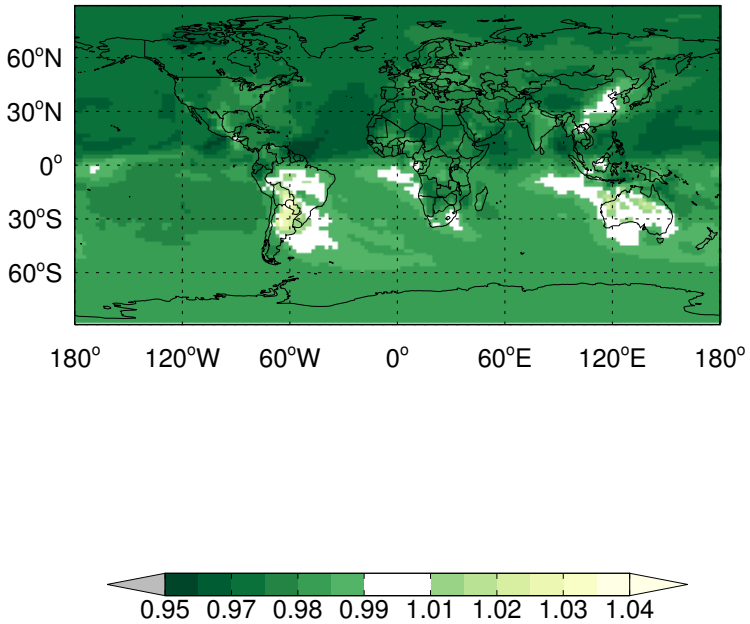


GEOS-Chem Latitudinal Difference Profiles

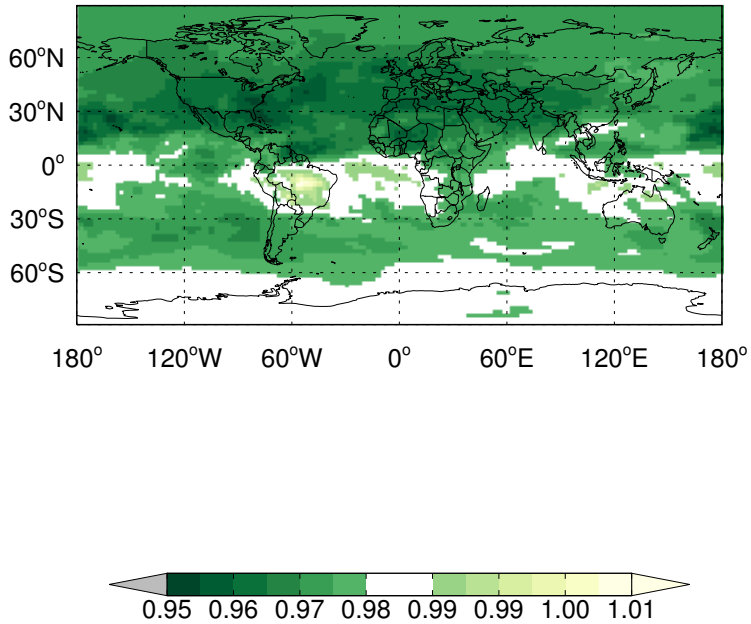


GEOS-Chem Ratio Maps at surface and 500 hPa

new_tagCO - full_chemistry
CO - Ratio @ Surface for Apr



new_tagCO - full_chemistry
CO - Ratio @ Surface for Apr



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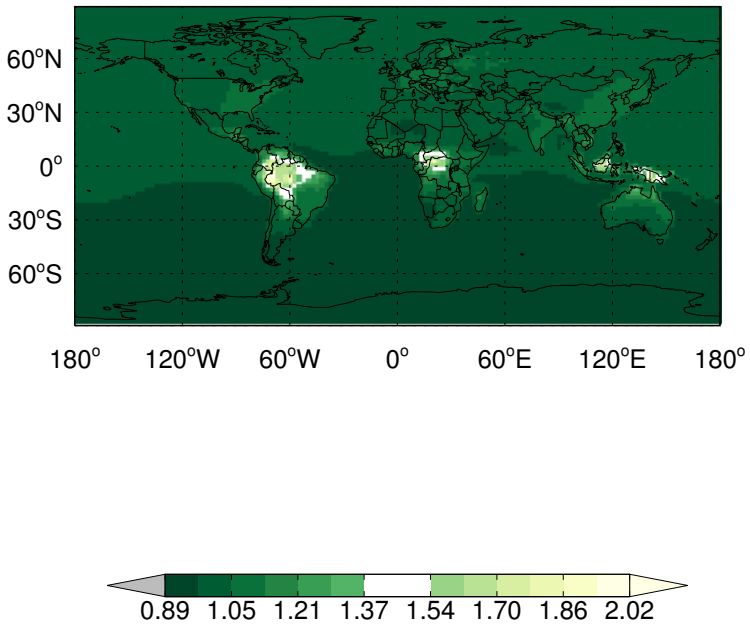
CO - Ratio @ Surface for Apr



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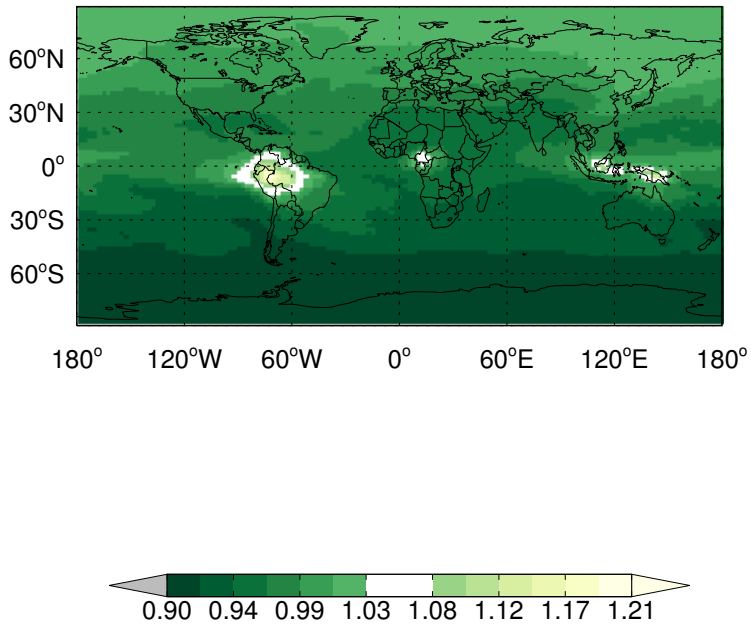
CO - Ratio @ Surface for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

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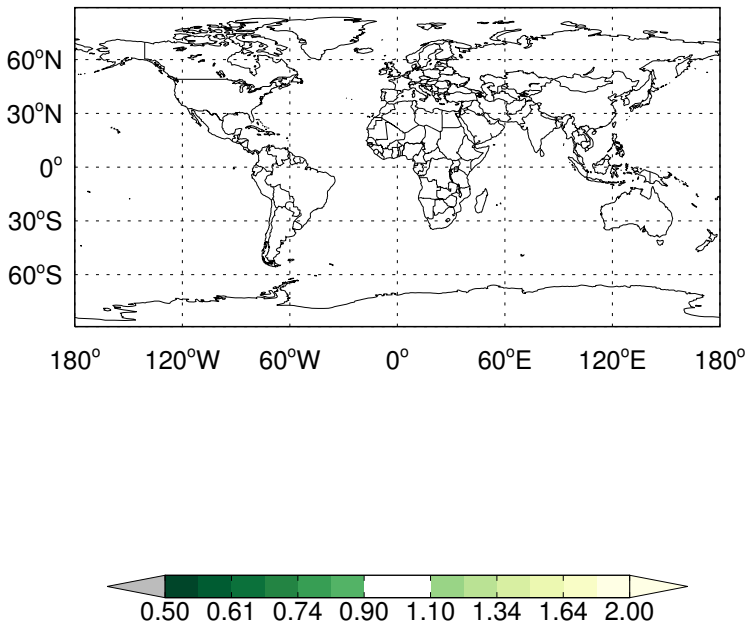
CO - Ratio @ Surface for Apr



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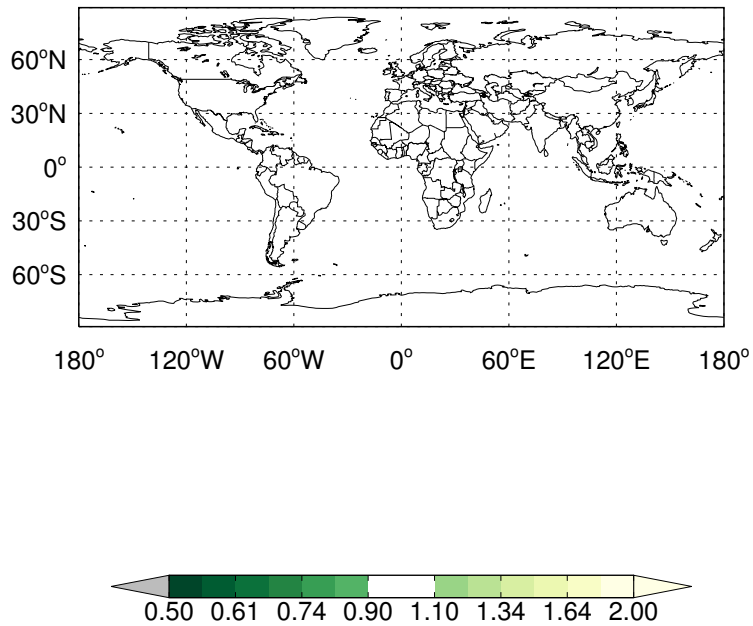
CO - Ratio @ Surface for Apr



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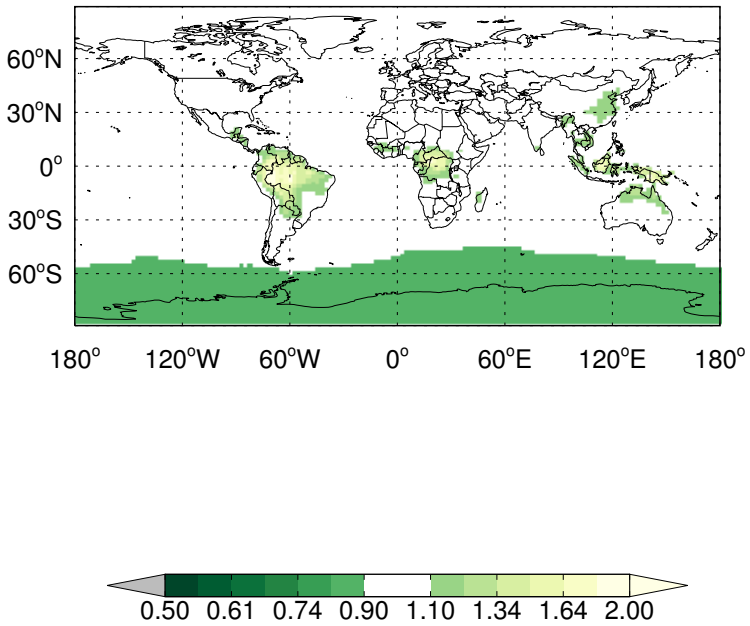
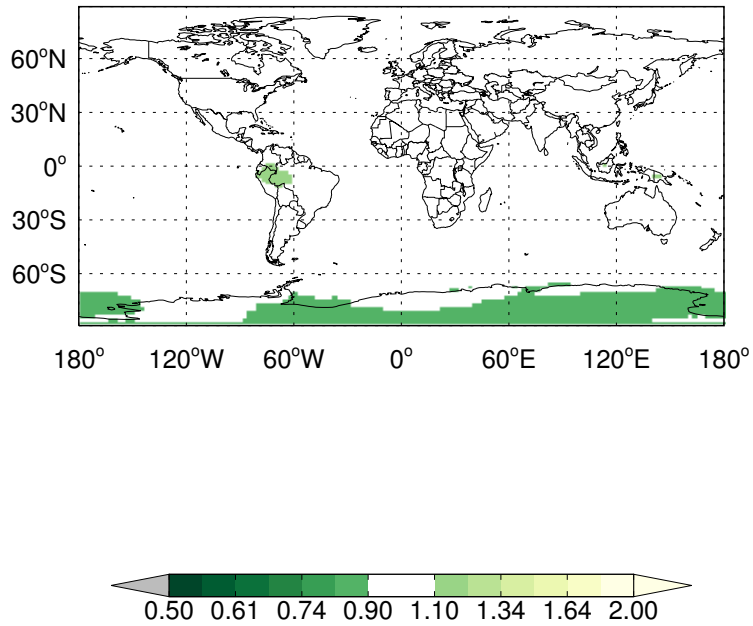
CO - Ratio @ Surface for Apr



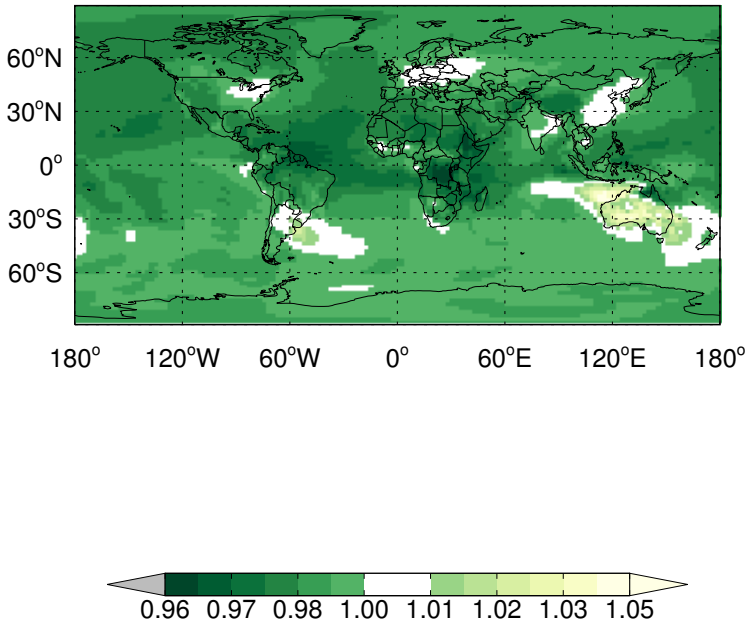
old_tagCO - full_chemistry
CO - Ratio @ Surface for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

new_tagCO - full_chemistry

CO - Ratio @ Surface for Jan



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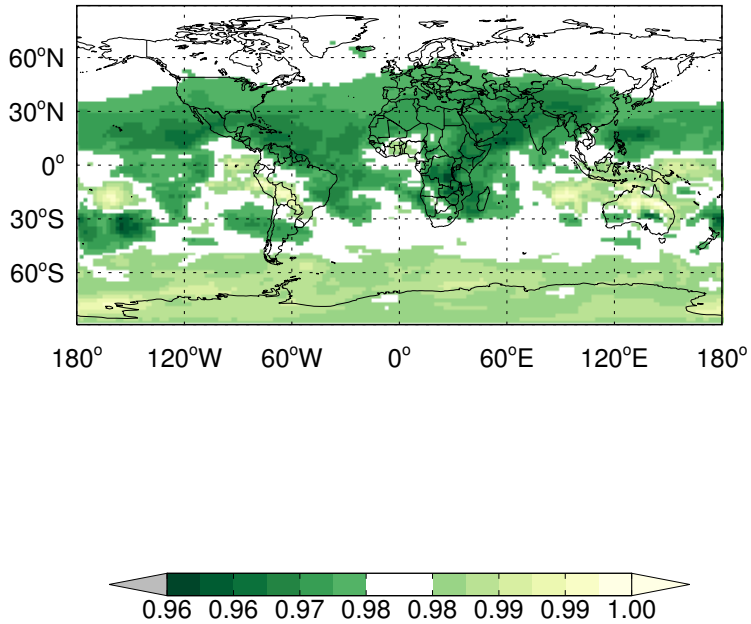
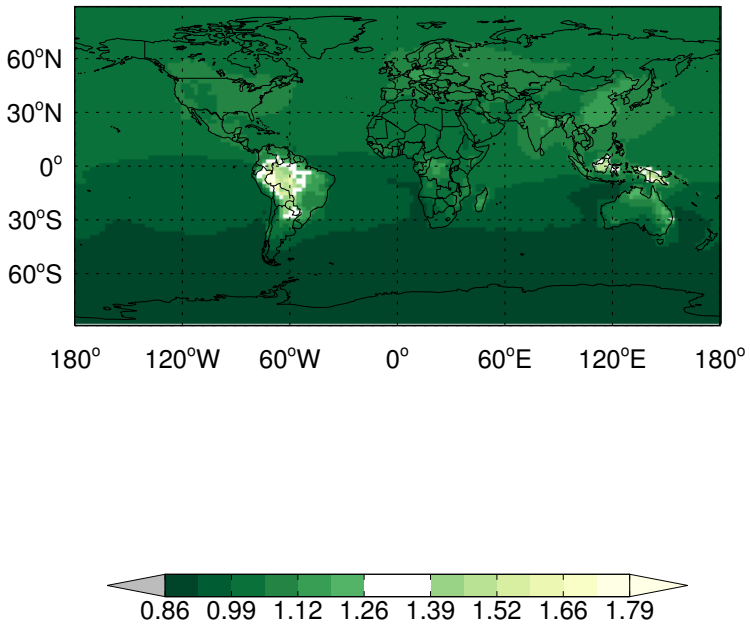
CO - Ratio @ Surface for Jan



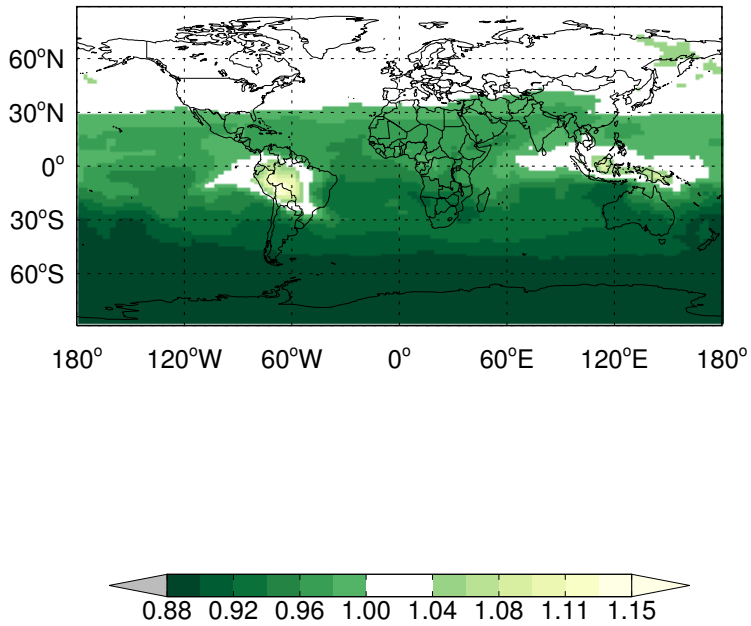
old_tagCO - full_chemistry

CO - Ratio @ Surface for Jan

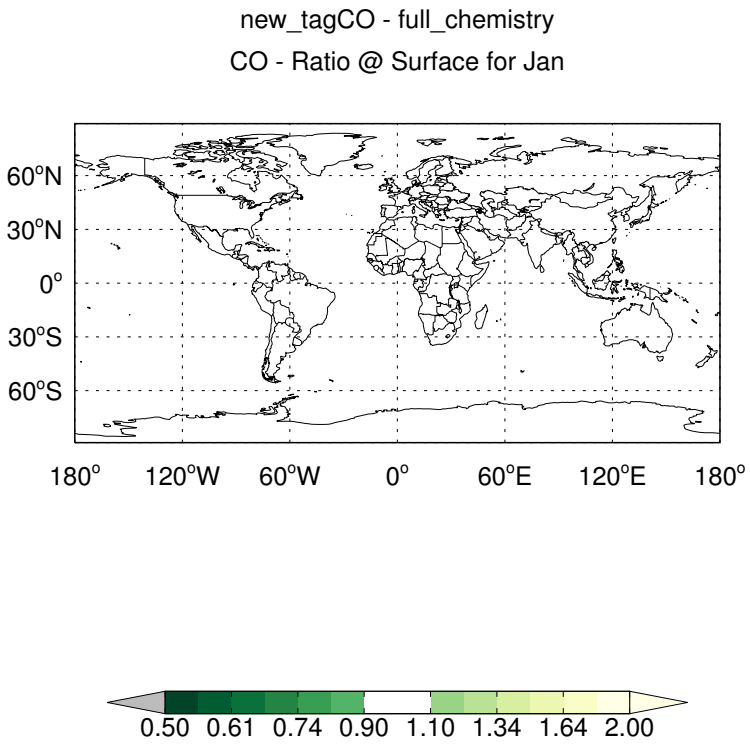


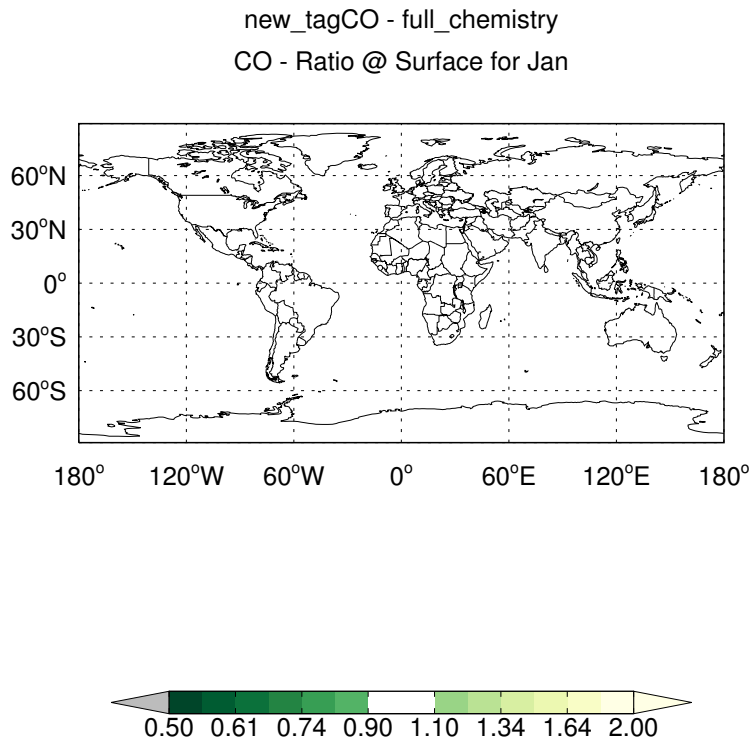
old_tagCO - full_chemistry

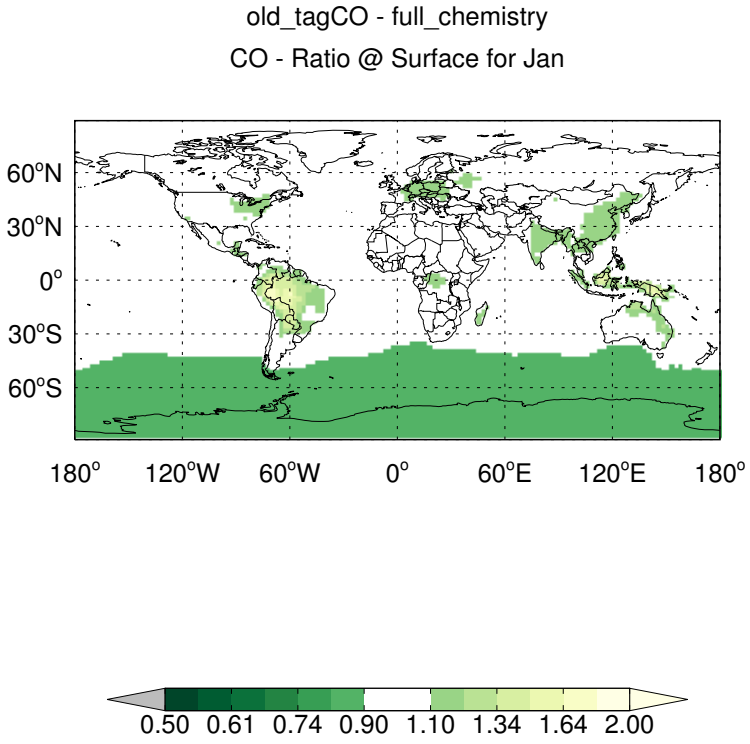
CO - Ratio @ Surface for Jan

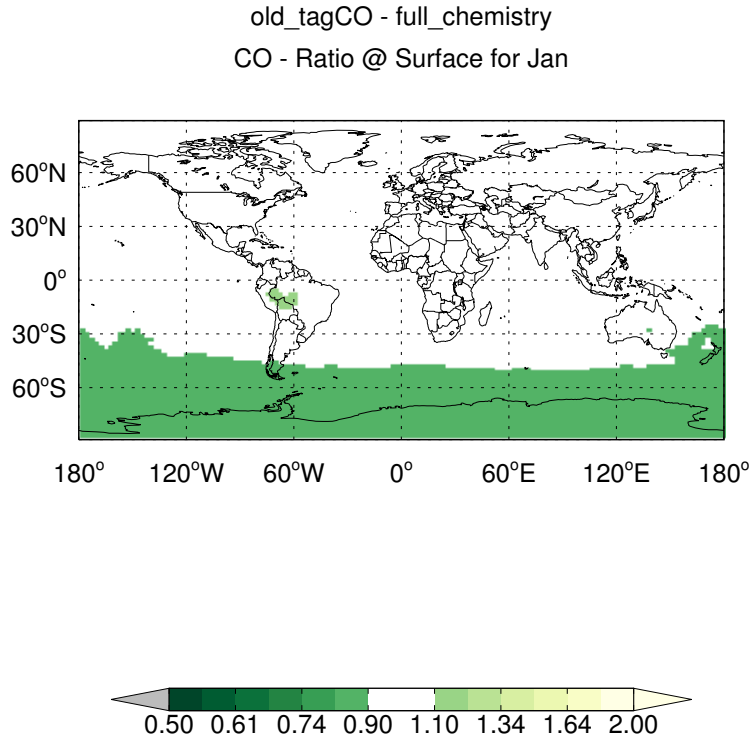


GEOS-Chem Ratio Maps at surface and 500 hPa





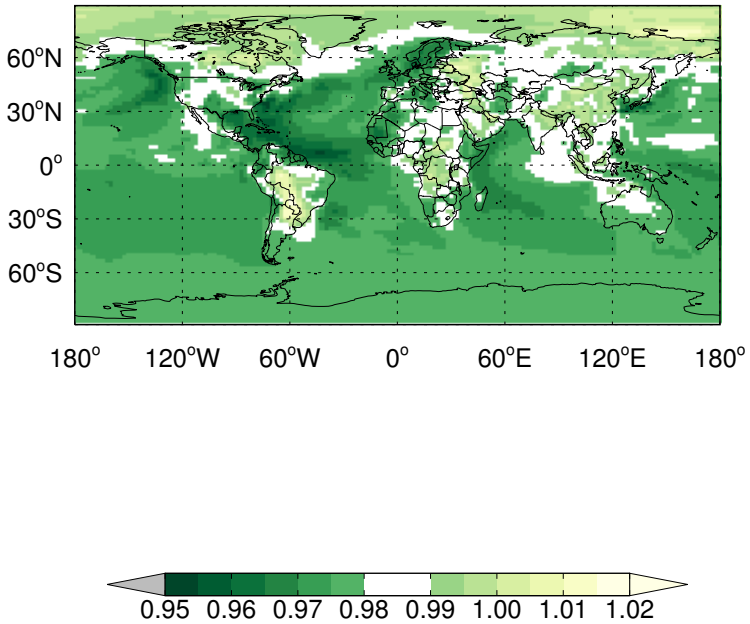




GEOS-Chem Ratio Maps at surface and 500 hPa

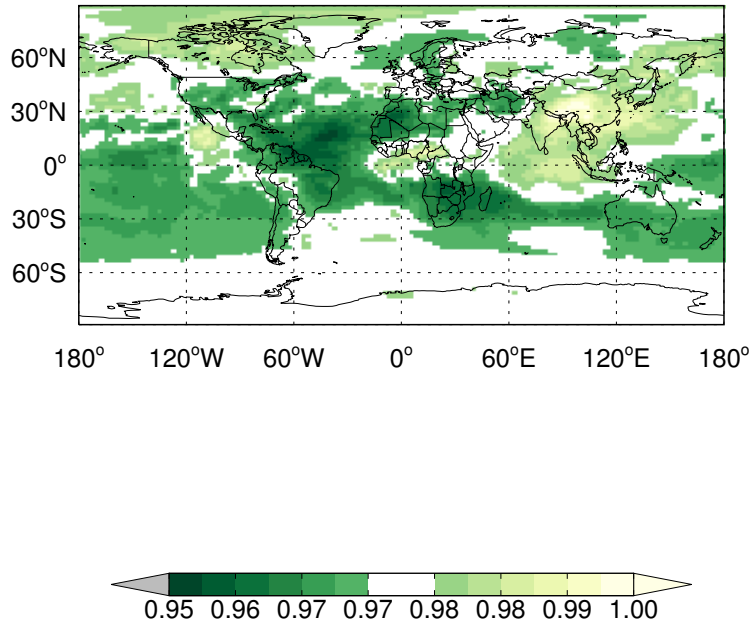
new_tagCO - full_chemistry

CO - Ratio @ Surface for Jul



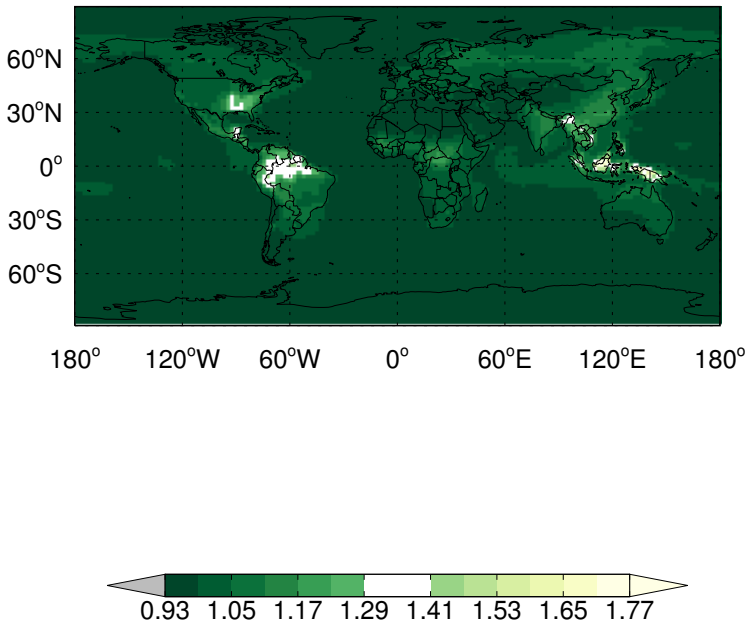
new_tagCO - full_chemistry

CO - Ratio @ Surface for Jul



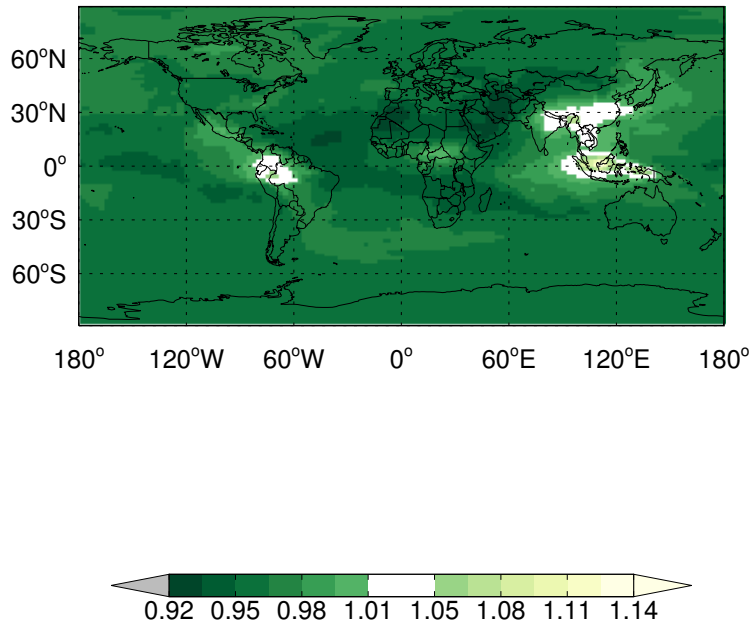
old_tagCO - full_chemistry

CO - Ratio @ Surface for Jul



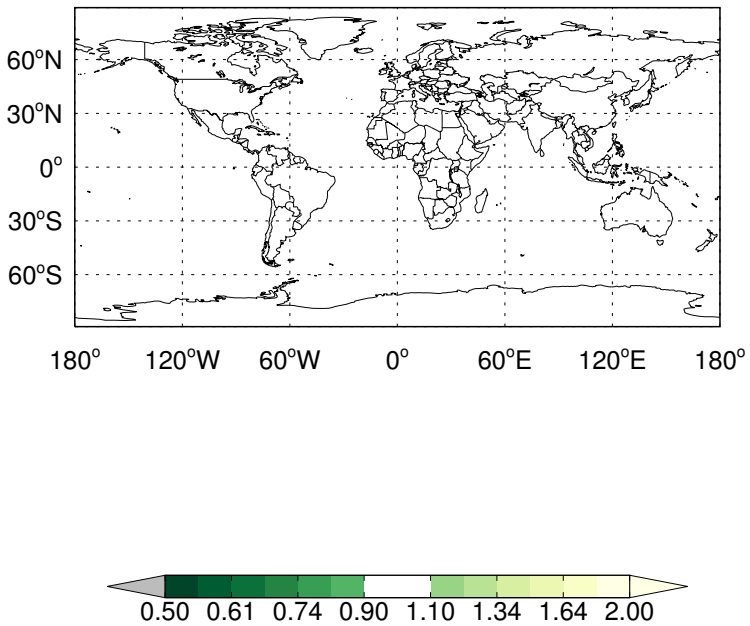
old_tagCO - full_chemistry

CO - Ratio @ Surface for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

new_tagCO - full_chemistry
CO - Ratio @ Surface for Jul



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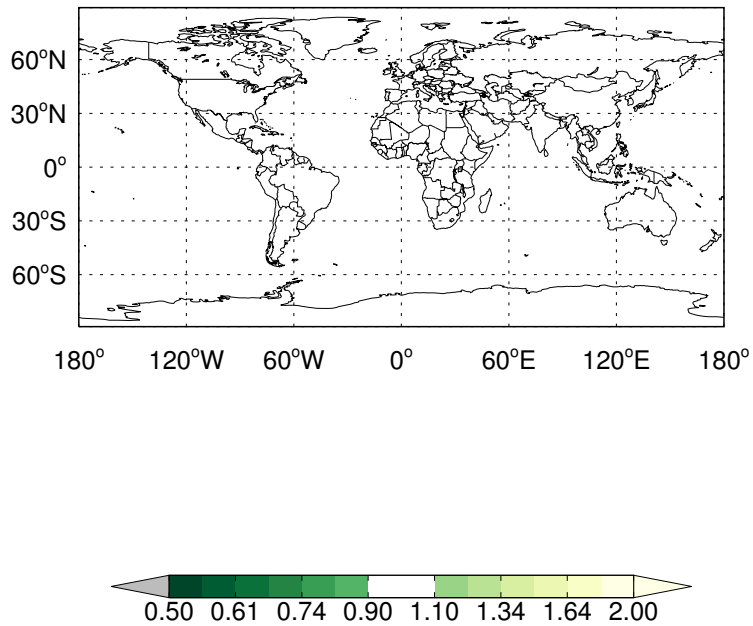
CO - Ratio @ Surface for Jul



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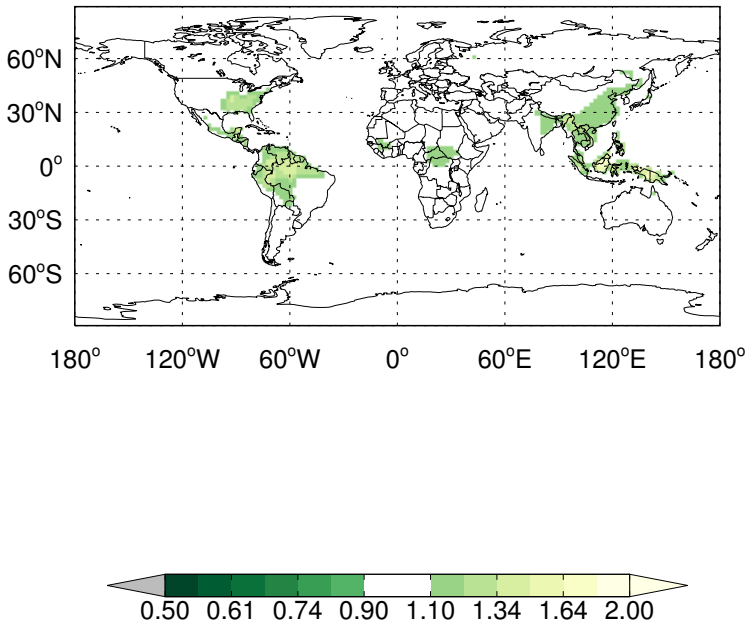
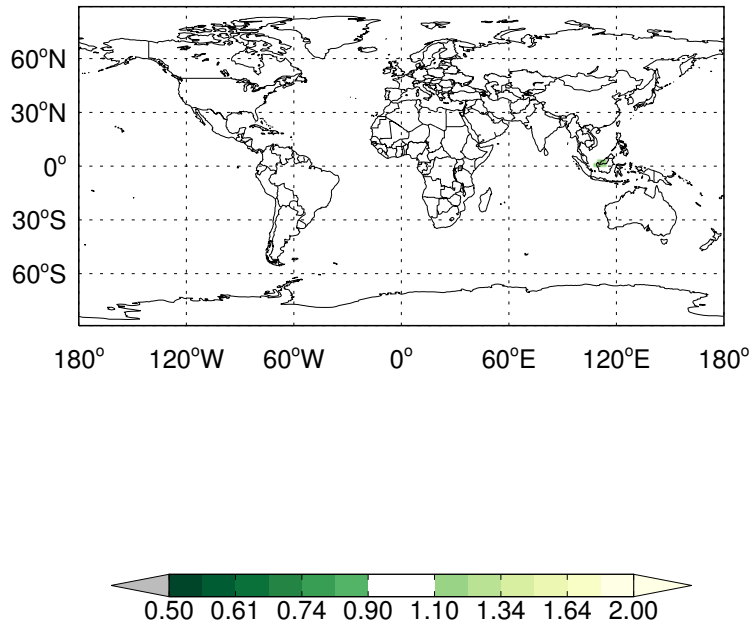
CO - Ratio @ Surface for Jul



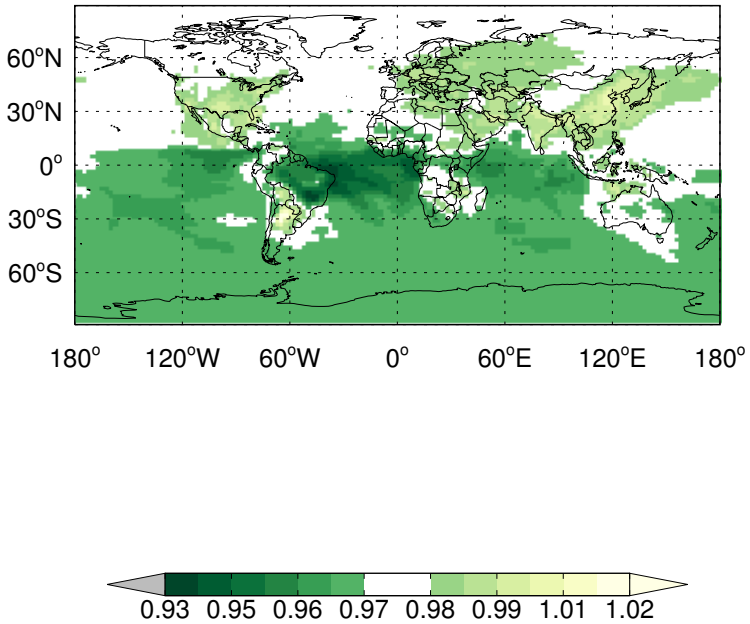
old_tagCO - full_chemistry
CO - Ratio @ Surface for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

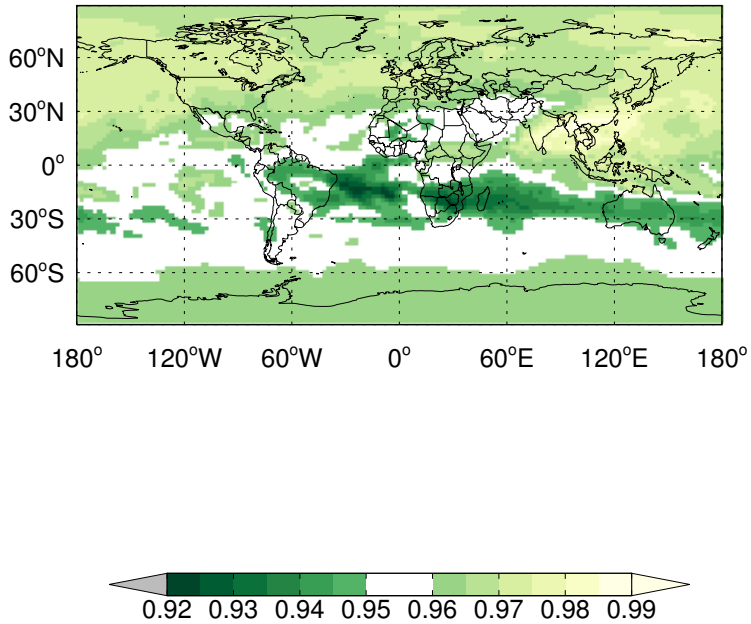
new_tagCO - full_chemistry

CO - Ratio @ Surface for Oct



new_tagCO - full_chemistry

CO - Ratio @ Surface for Oct



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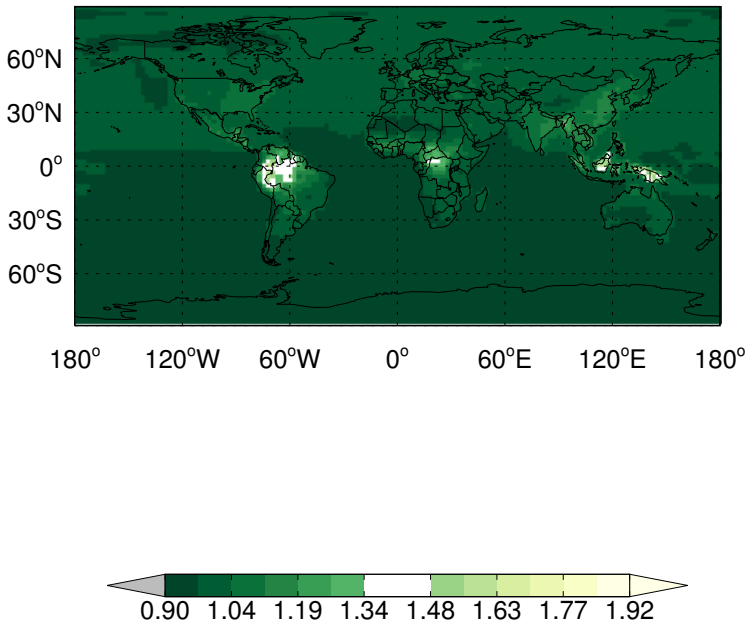
CO - Ratio @ Surface for Oct



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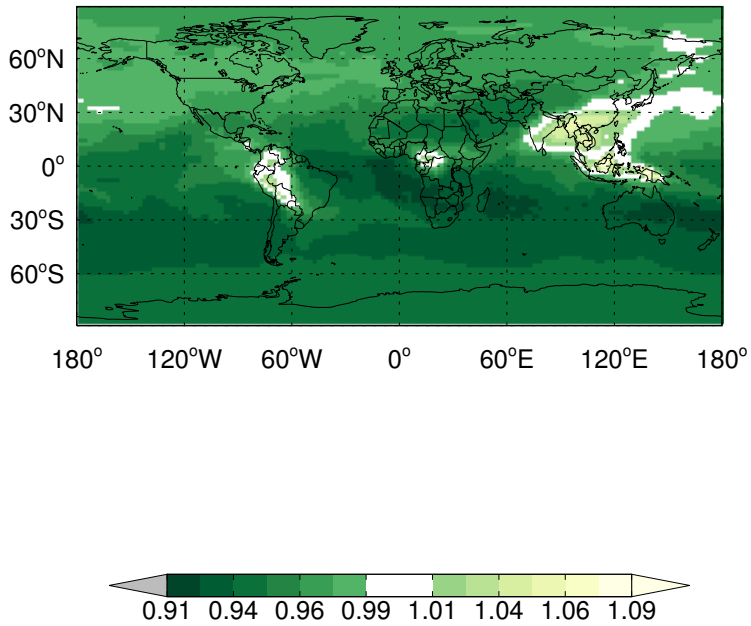
CO - Ratio @ Surface for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

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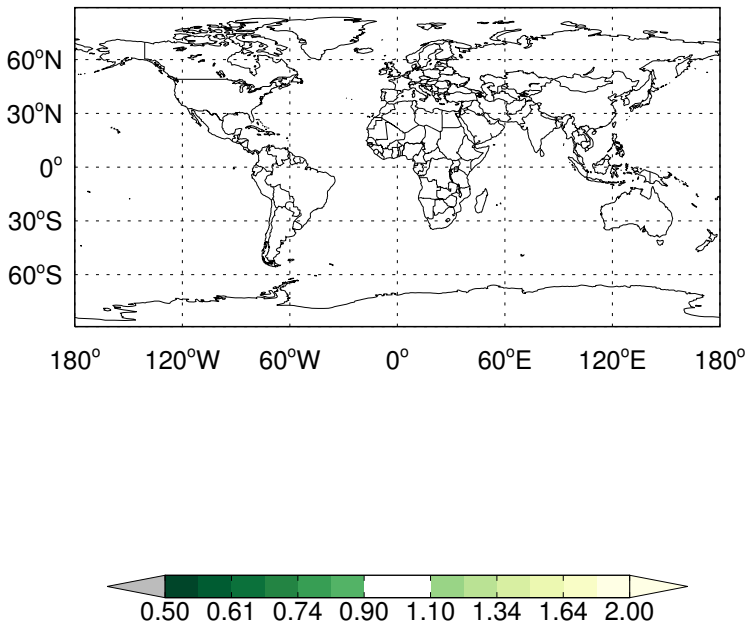
CO - Ratio @ Surface for Oct



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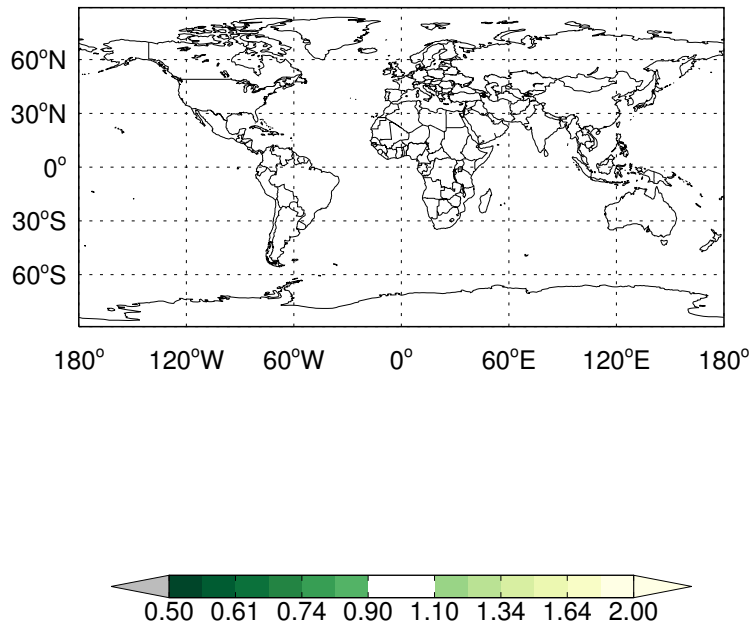
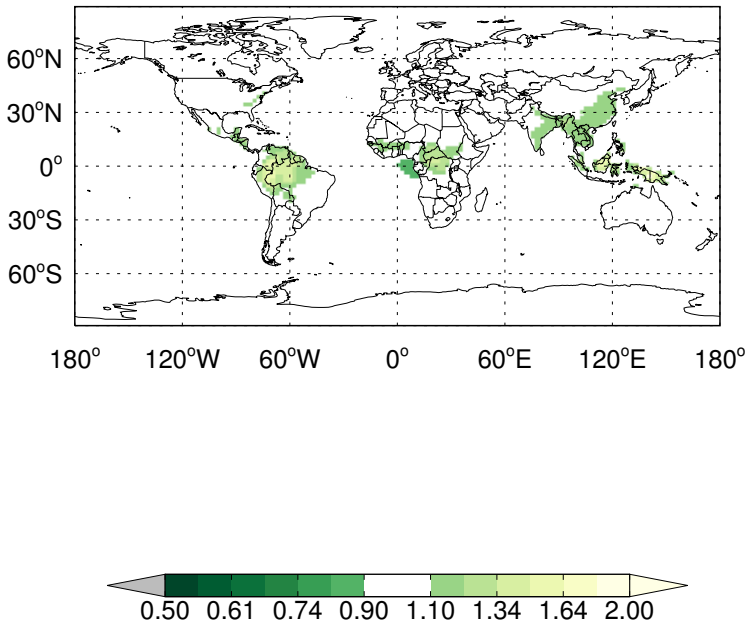
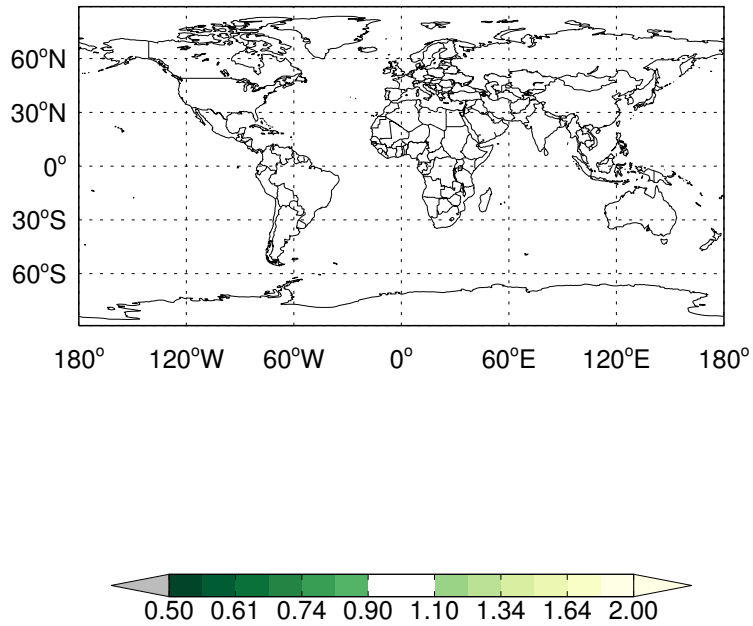
CO - Ratio @ Surface for Oct



old_tagCO - full_chemistry
CO - Ratio @ Surface for Oct



old_tagCO - full_chemistry
CO - Ratio @ Surface for Oct