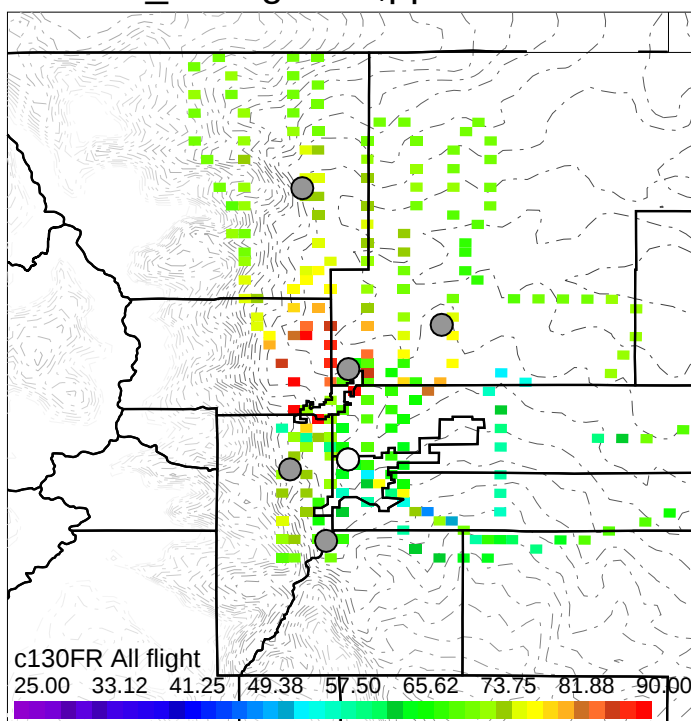
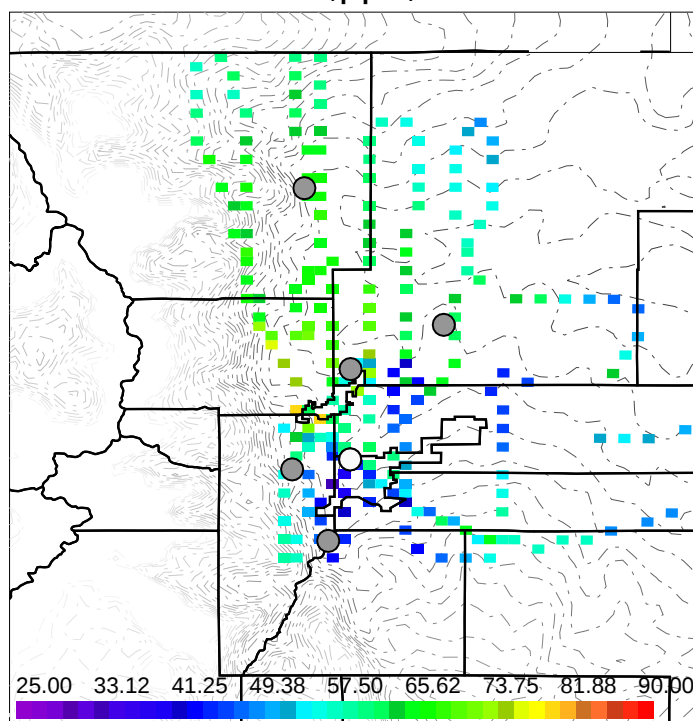


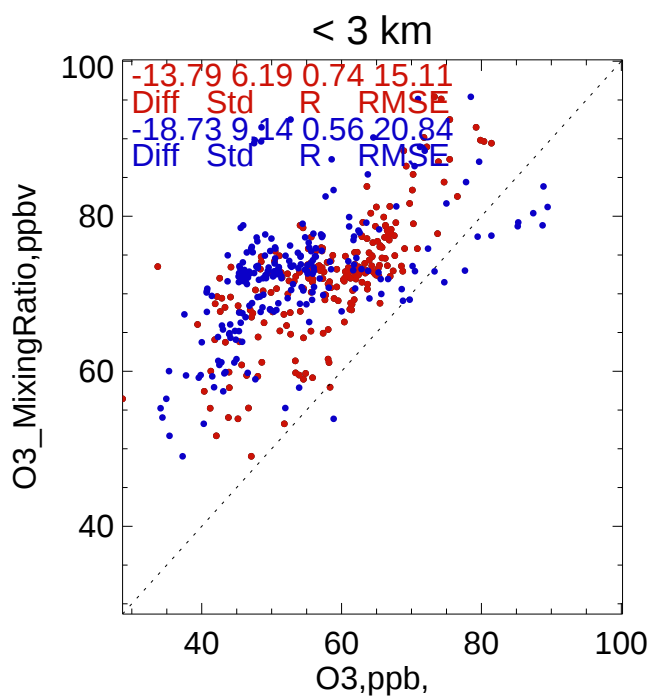
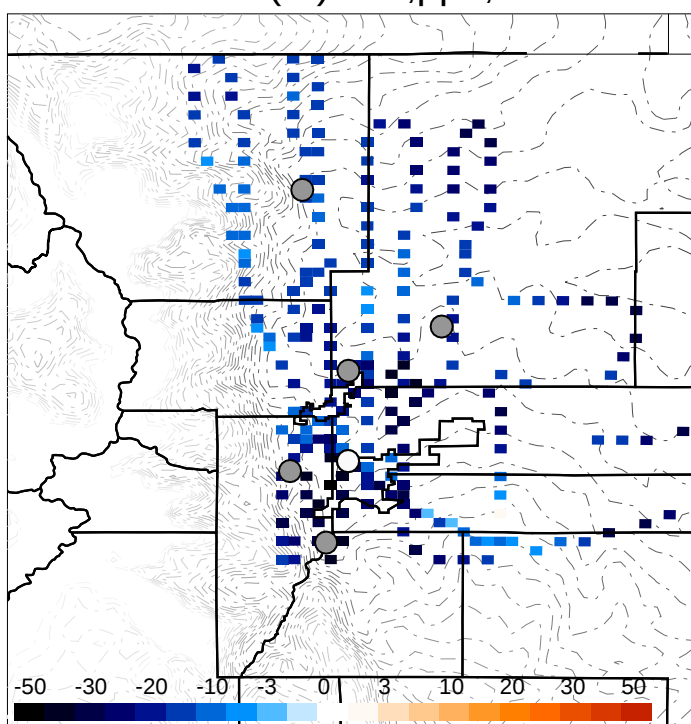
O3_MixingRatio,ppbv < 3 km



Model O3,ppb, < 3 km



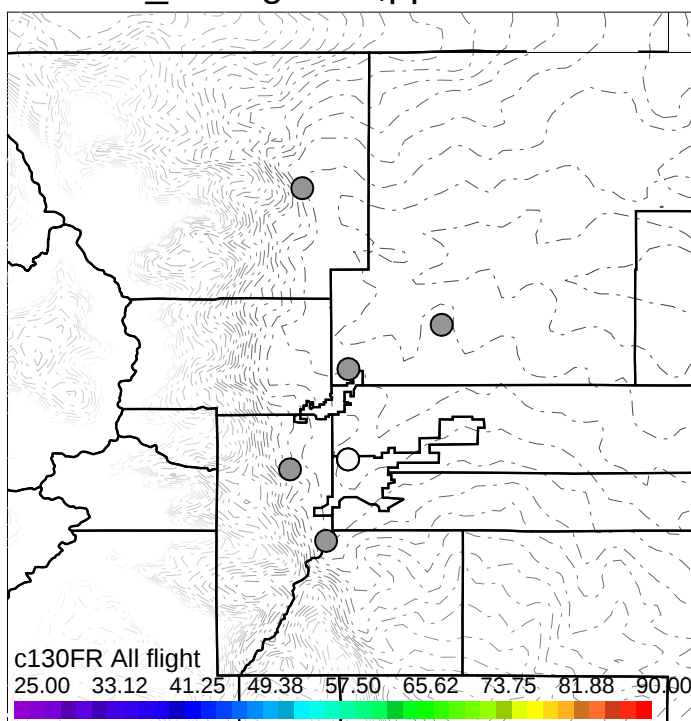
Model-Obs(%) O3,ppb, < 3 km



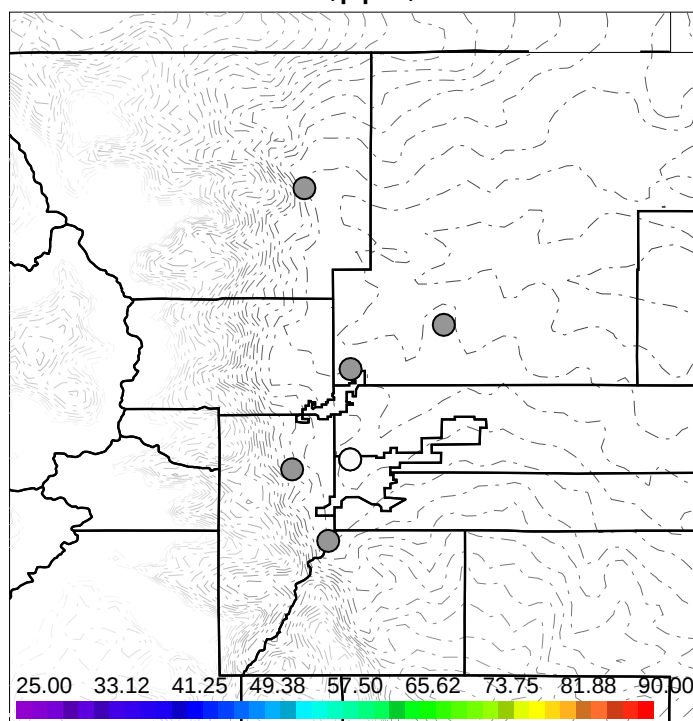
BTXv2ECMWFV4mozmozaic-

Ravan-

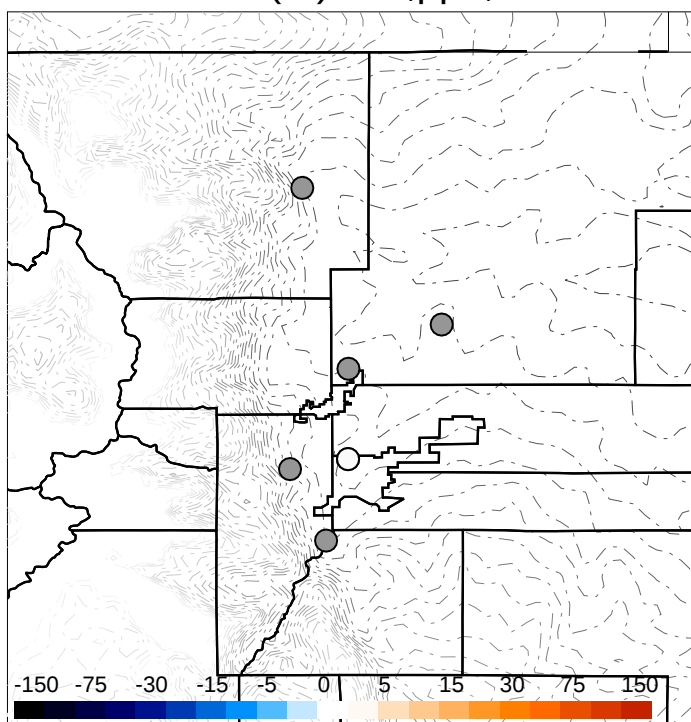
O3_MixingRatio,ppbv > 3 km



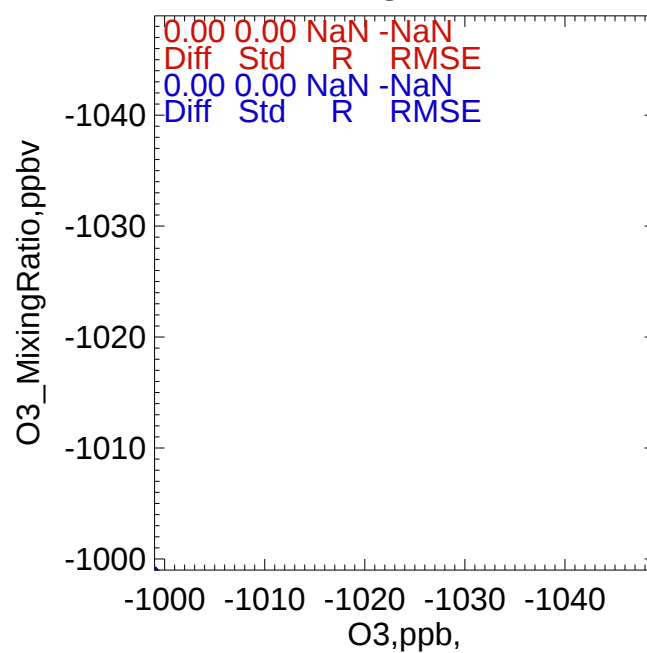
Model O3,ppb, > 3 km



Model-Obs(%) O3,ppb, > 3 km

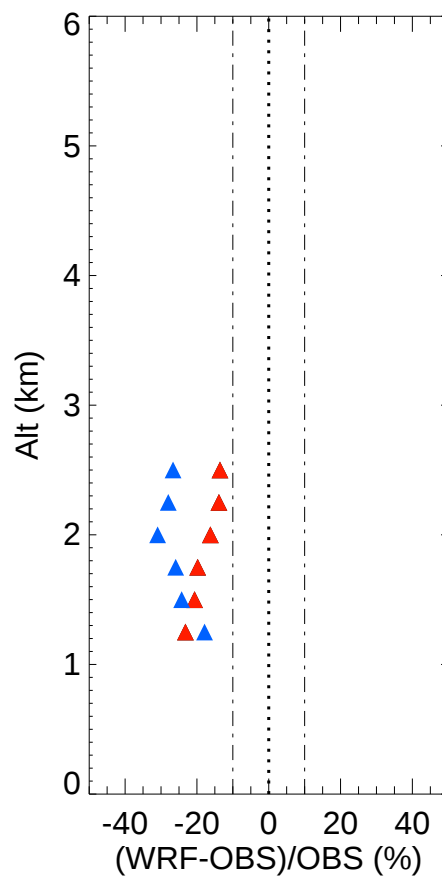
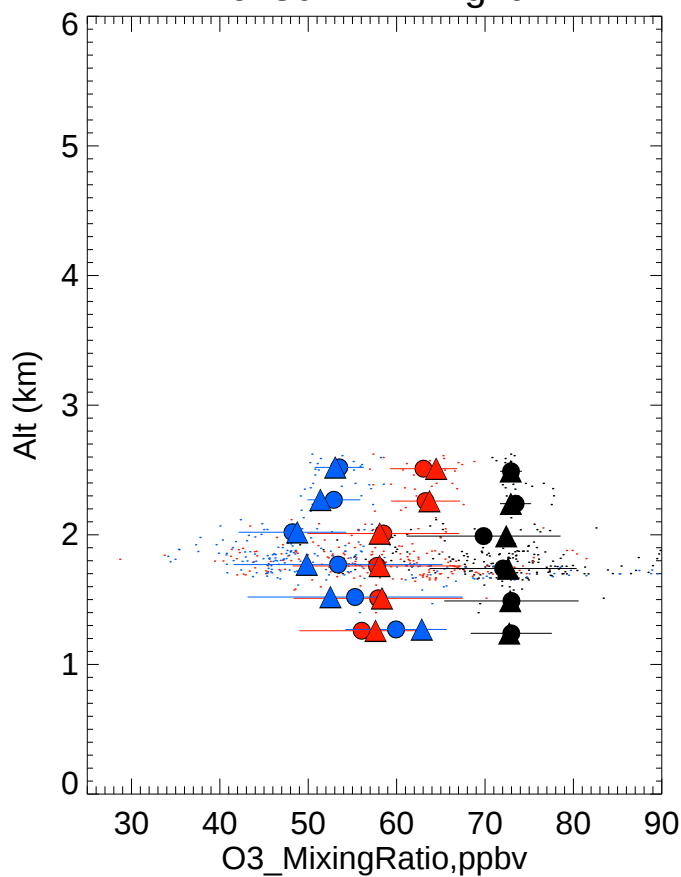
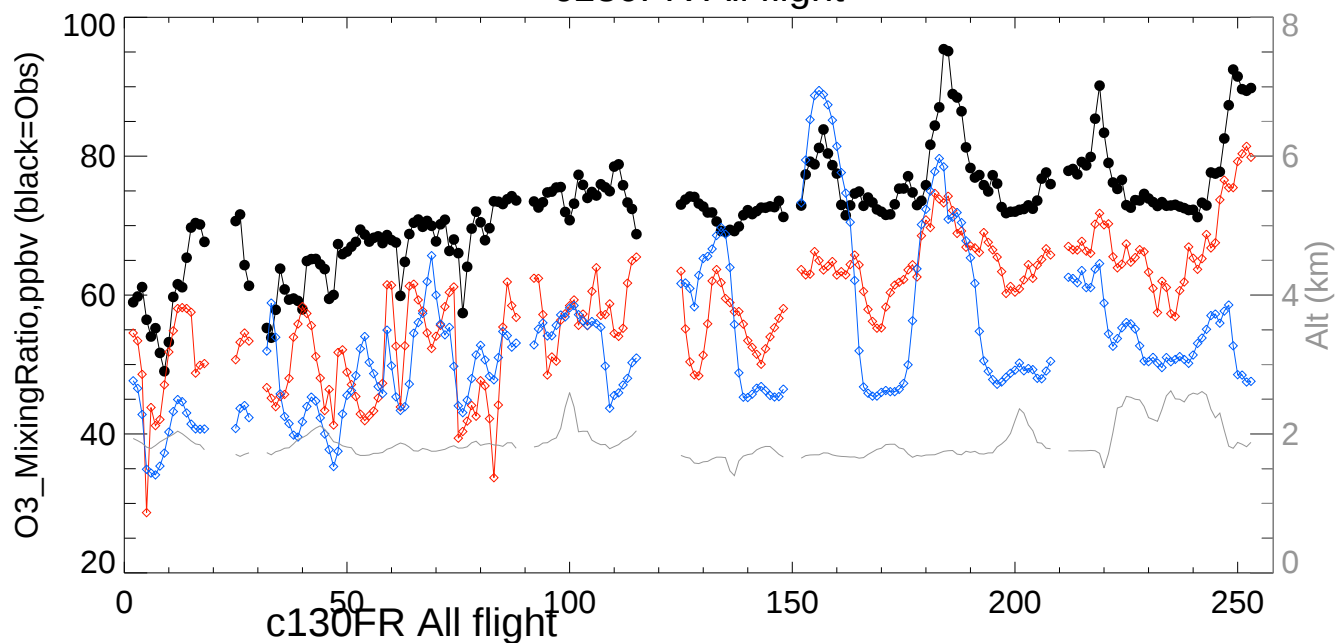


> 3 km

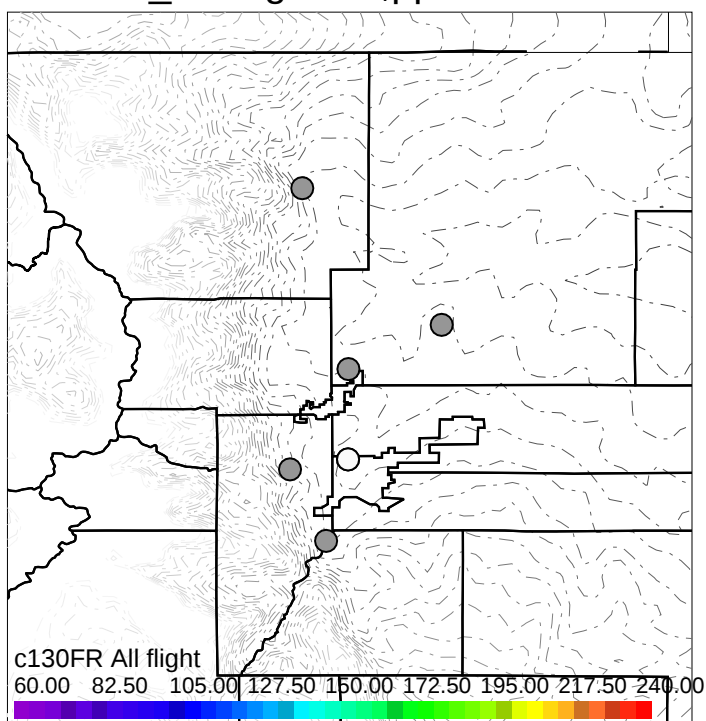


BTXv2ECMWFV4mozmozaRavan-

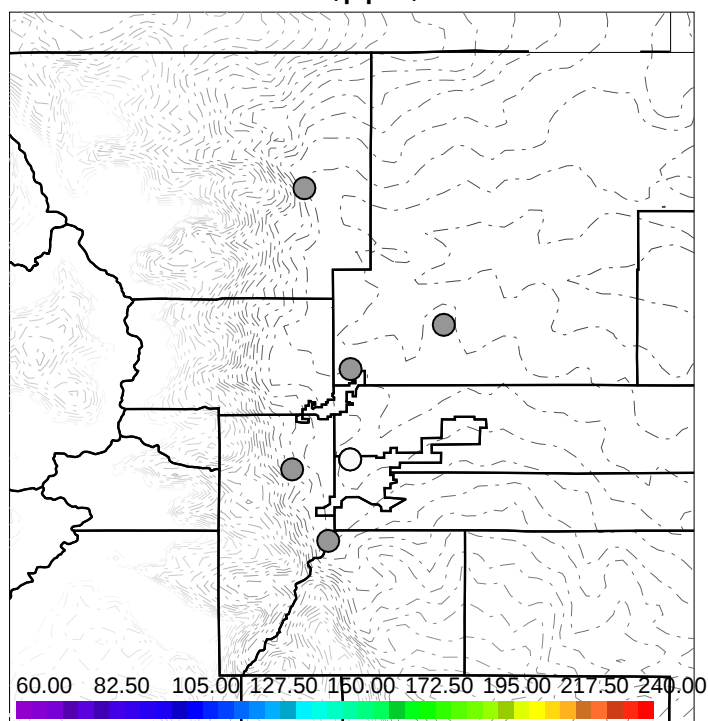
c130FR All flight



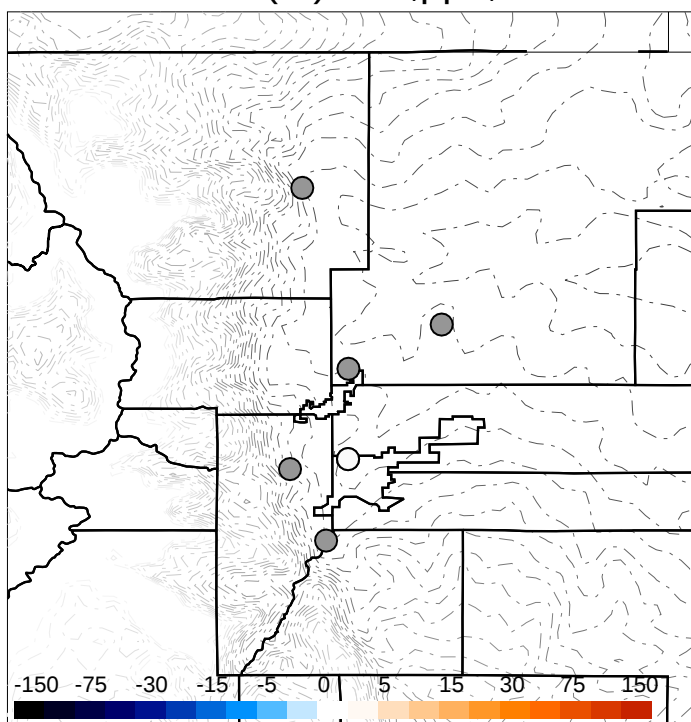
CO_MixingRatio,ppbv < 3 km



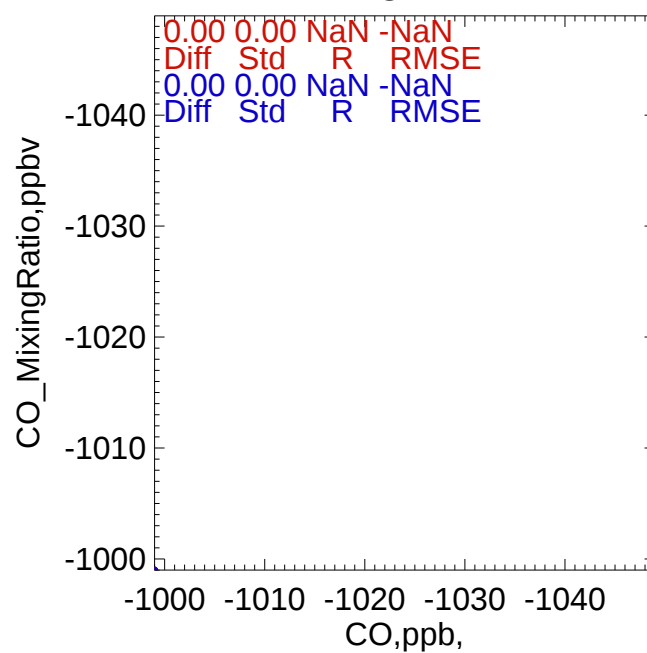
Model CO,ppb, < 3 km



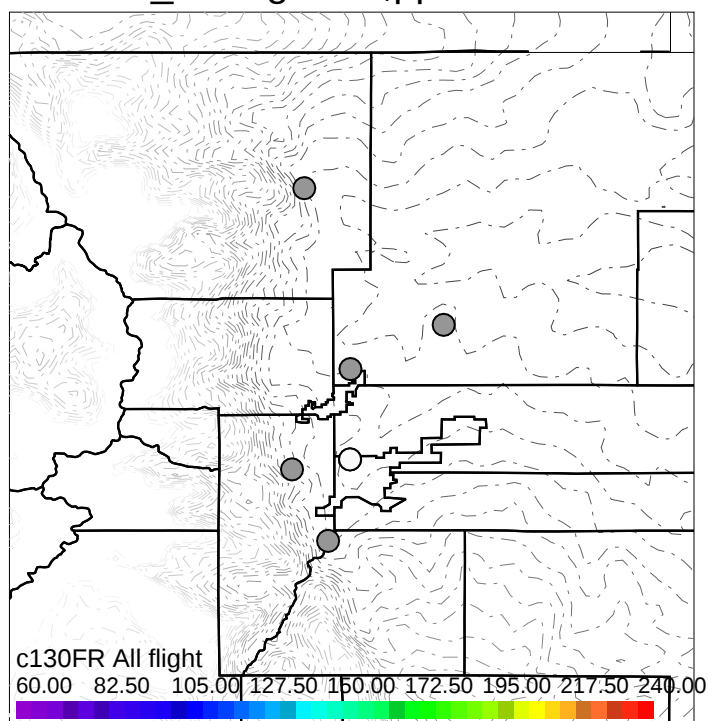
Model-Obs(%) CO,ppb, < 3 km



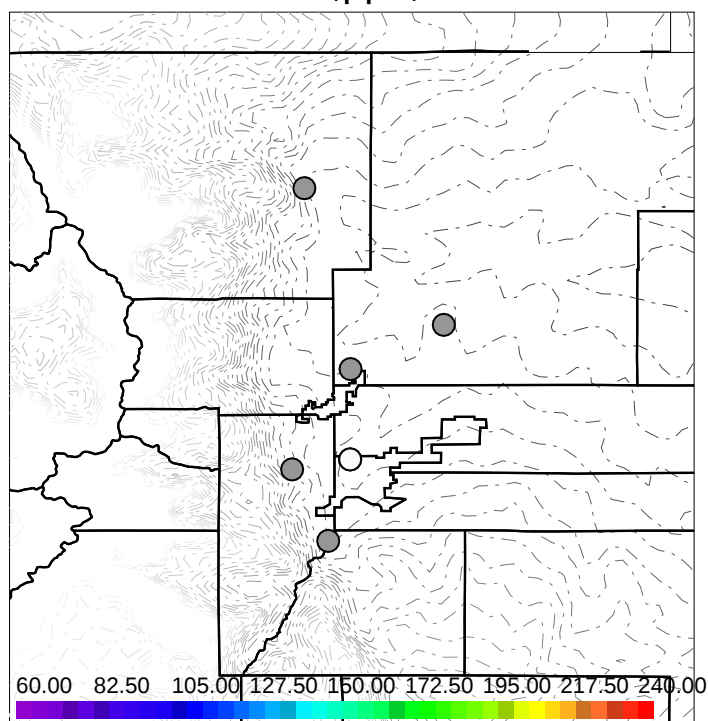
< 3 km



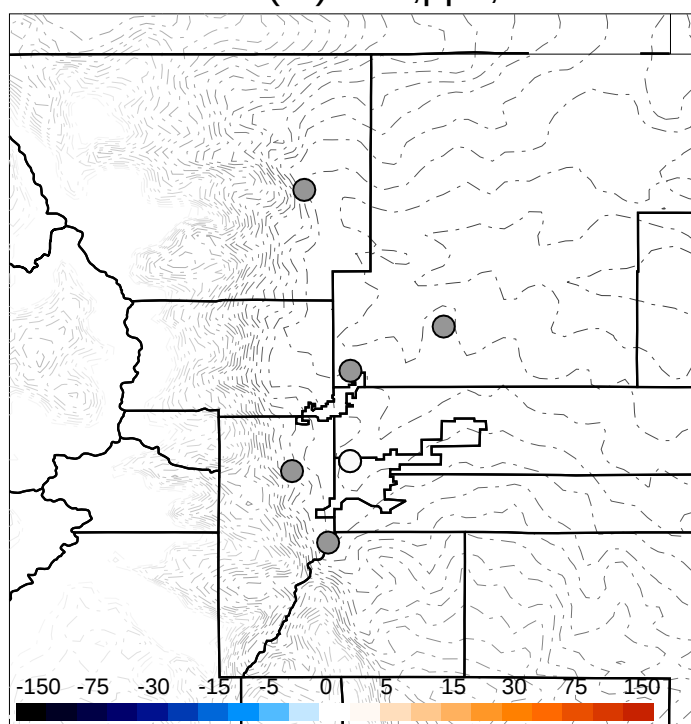
CO_MixingRatio,ppbv > 3 km



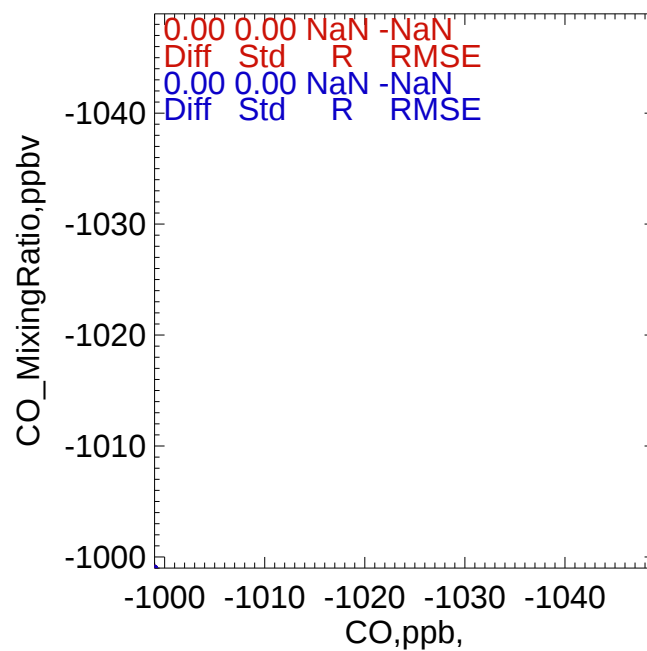
Model CO,ppb, > 3 km



Model-Obs(%) CO,ppb, > 3 km

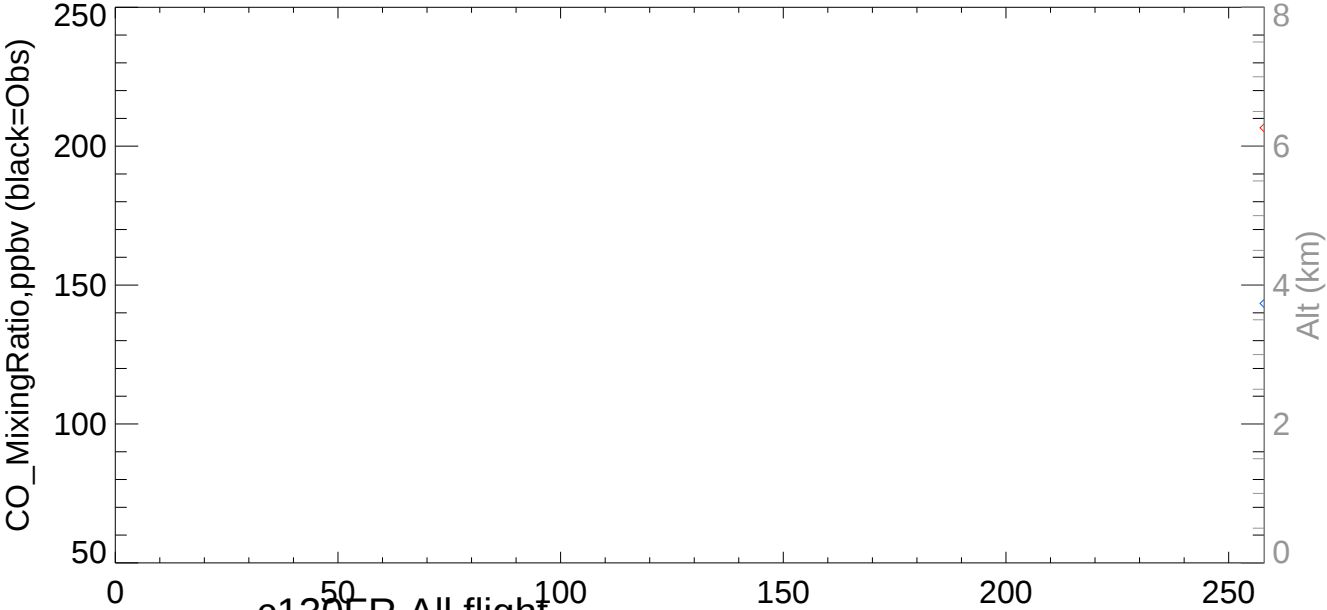


> 3 km

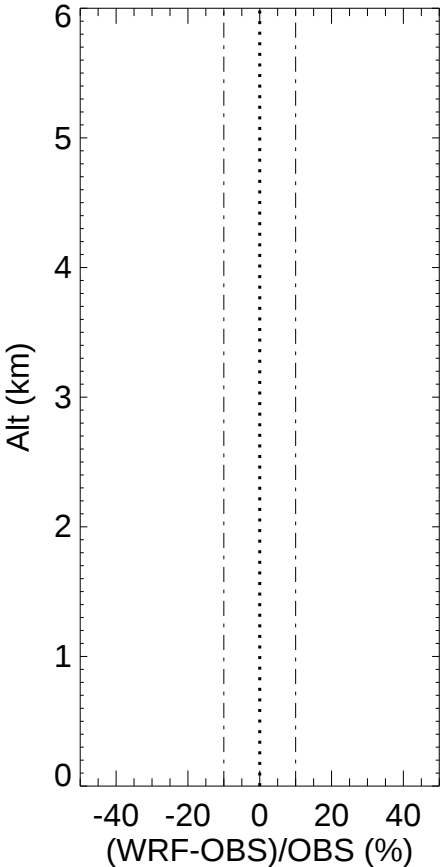
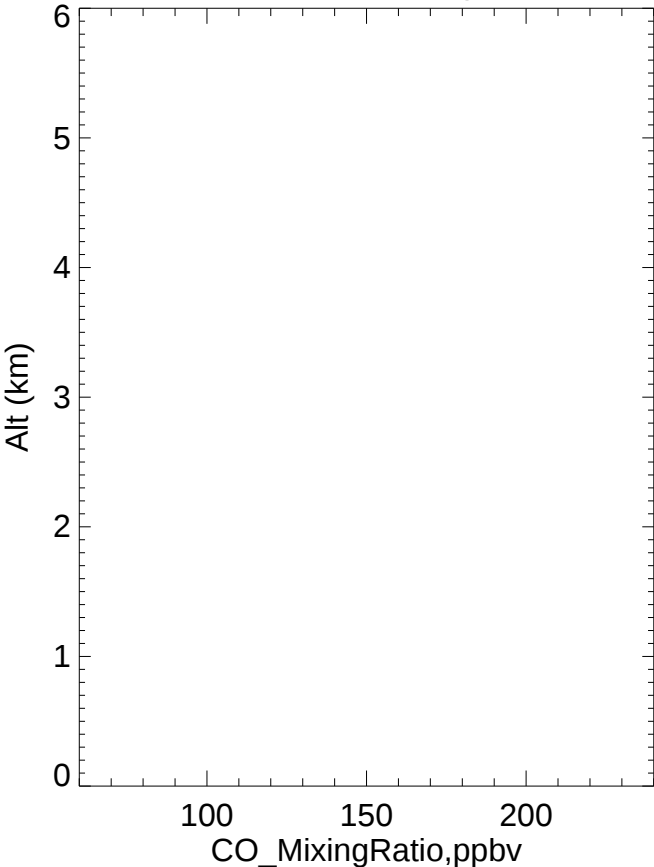


BTXv2ECMWFV4mozmozaravan-

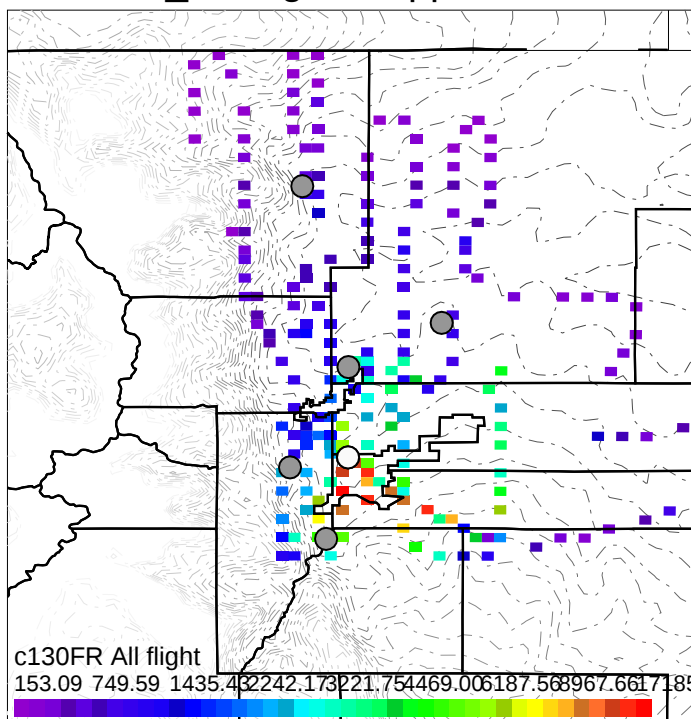
c130FR All flight



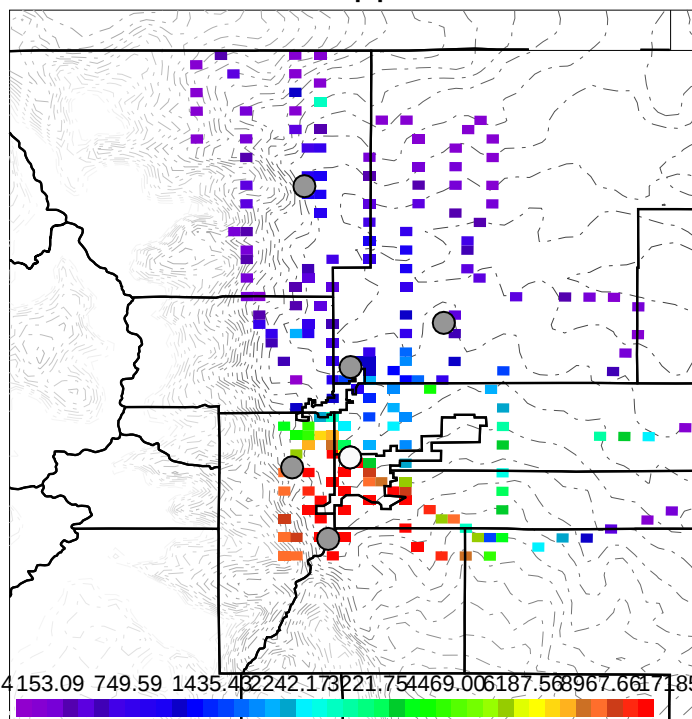
c130FR All flight



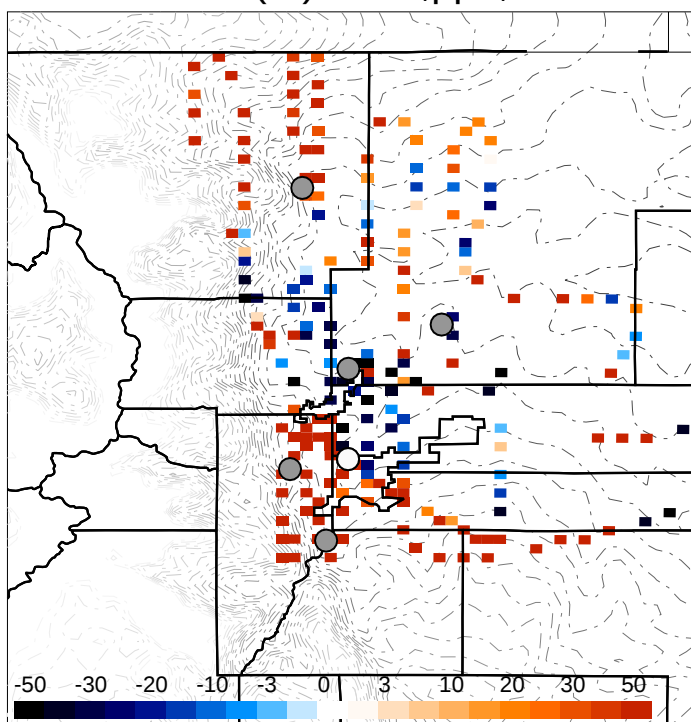
NO2_MixingRatio,pptv < 3 km



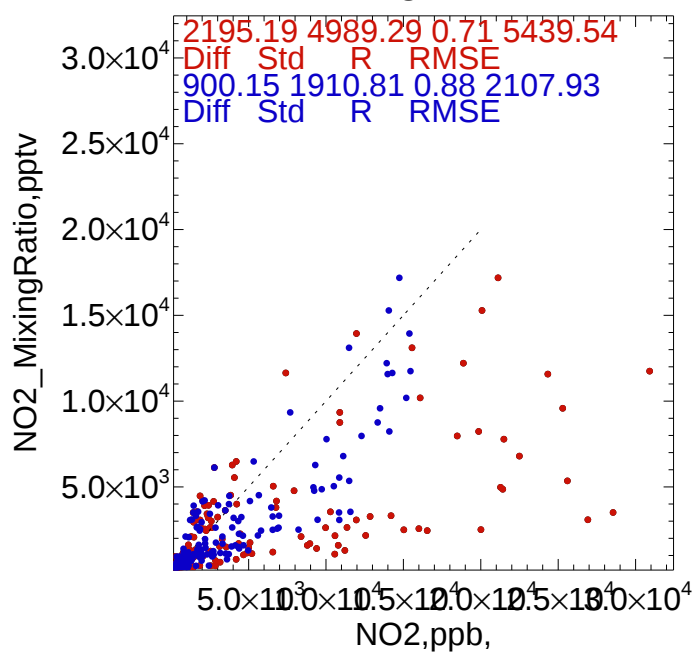
Model NO2,ppb, < 3 km



Model-Obs(%) NO2,ppb, < 3 km



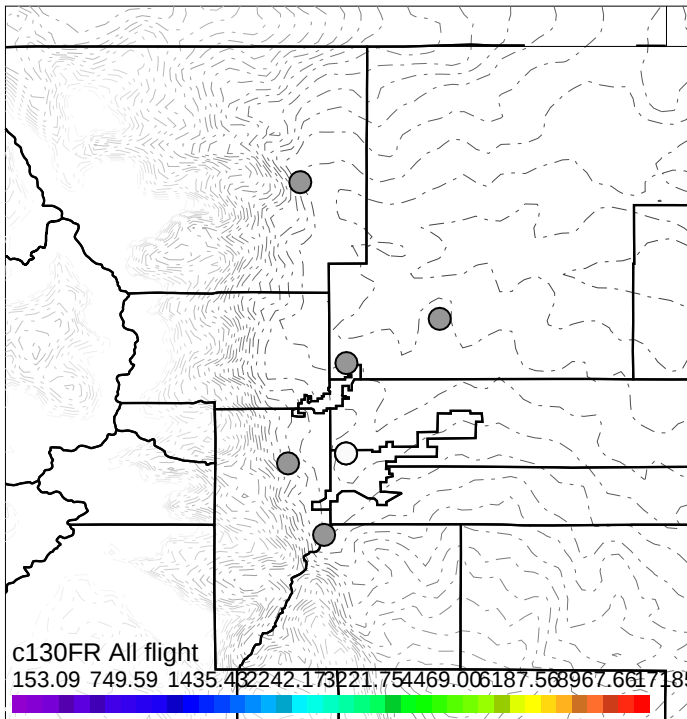
< 3 km



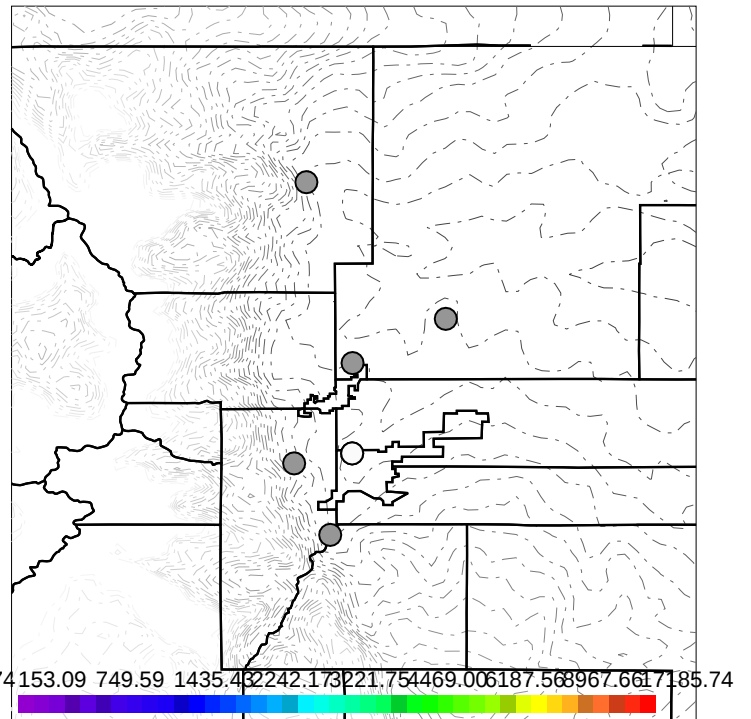
BTXv2ECMWFV4mozmozaic-

Ravan-

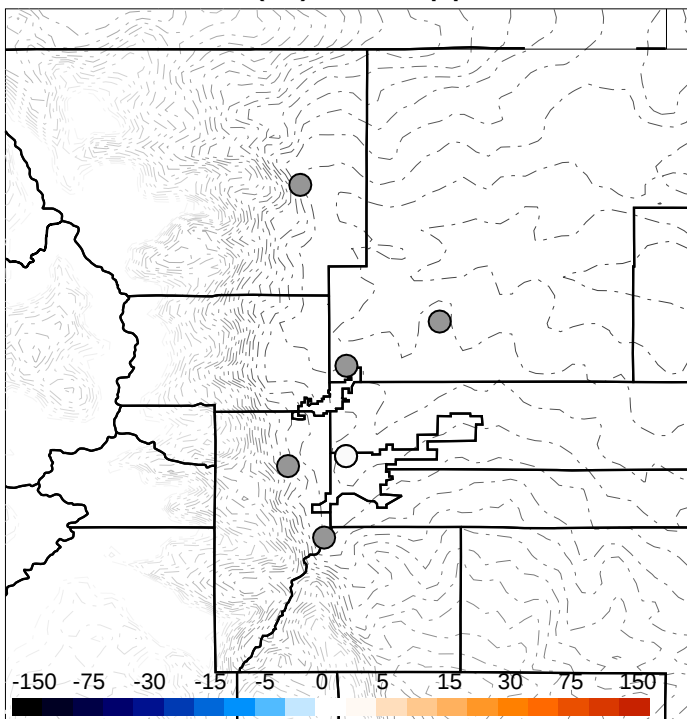
NO2_MixingRatio,pptv > 3 km



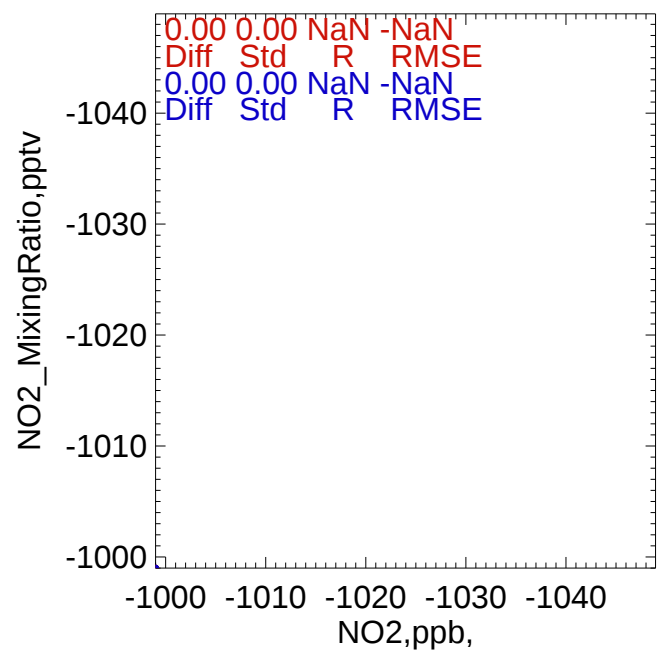
Model NO2,ppb, > 3 km



Model-Obs(%) NO2,ppb, > 3 km



> 3 km

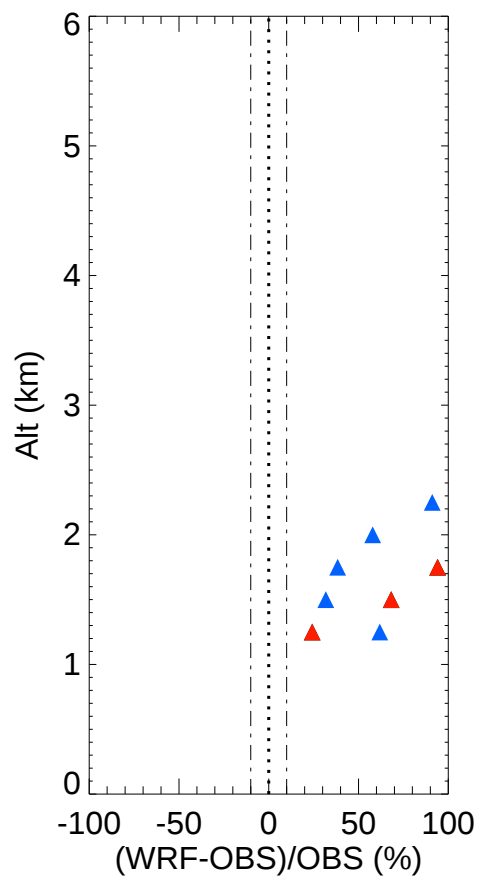
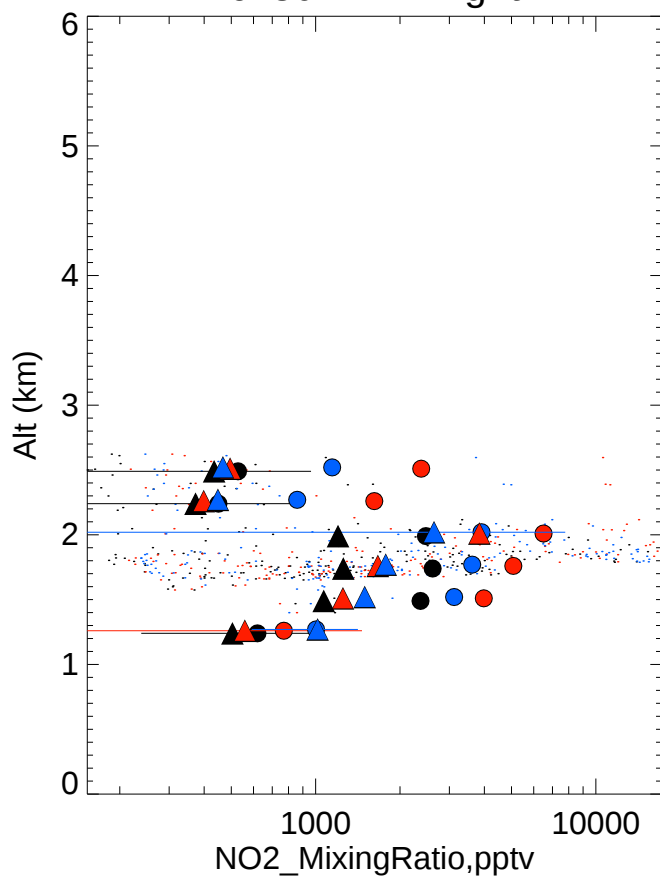
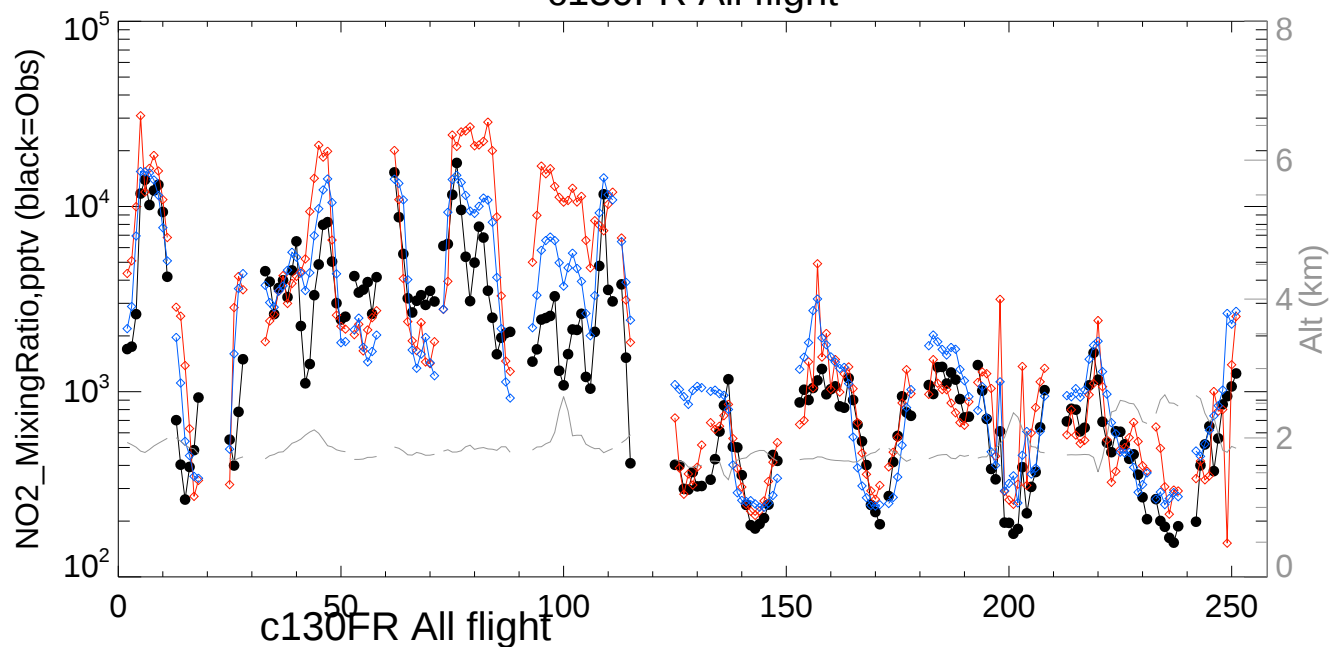


BTXv2ECMWFV4mozmozaic-

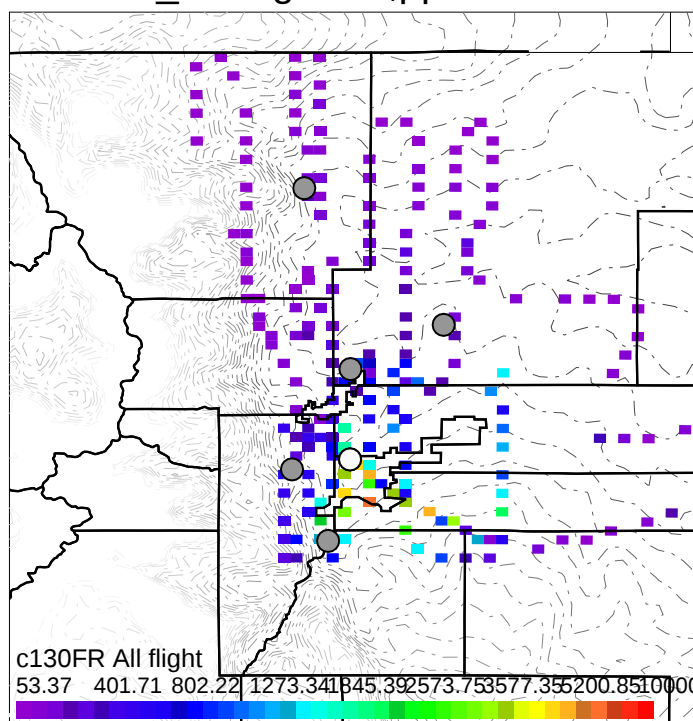
Ravan-

BTXv2ECMWFV4mozmozaravan-

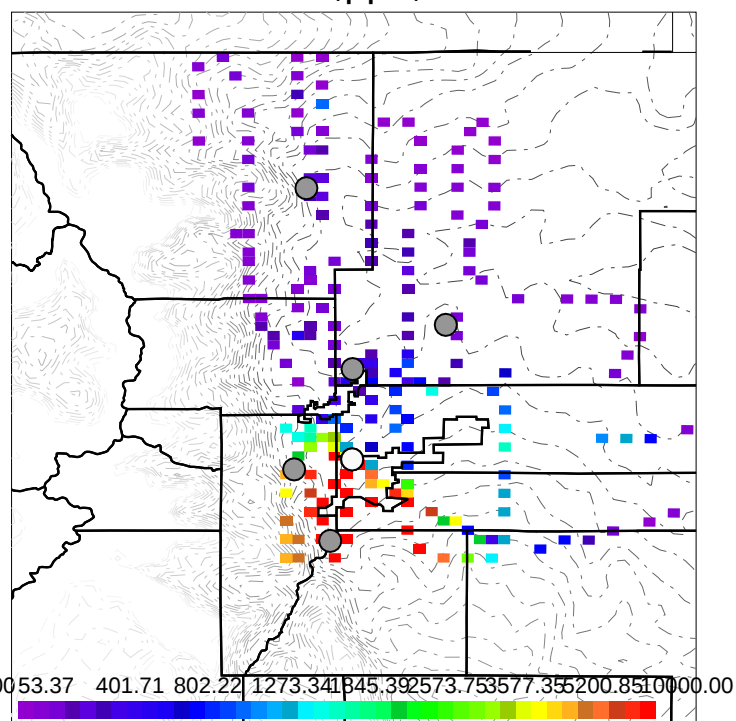
c130FR All flight



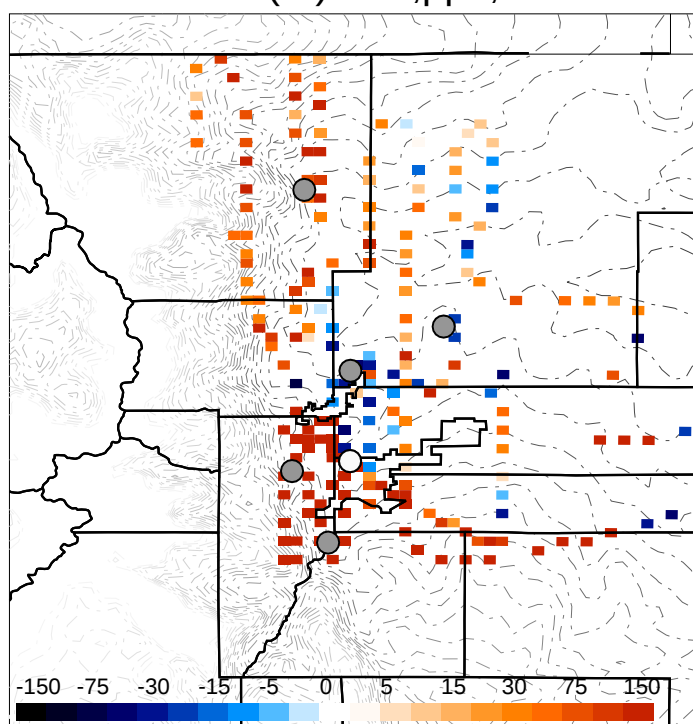
NO_MixingRatio,pptv < 3 km



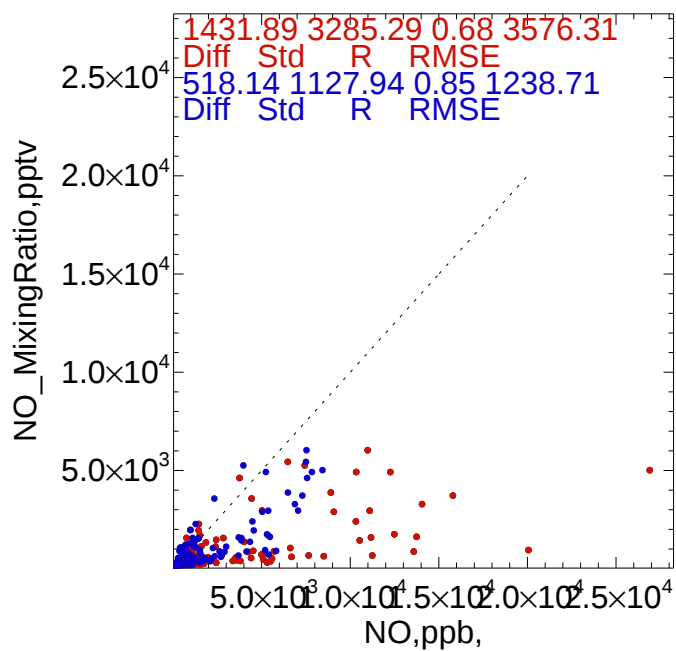
Model NO,ppb, < 3 km



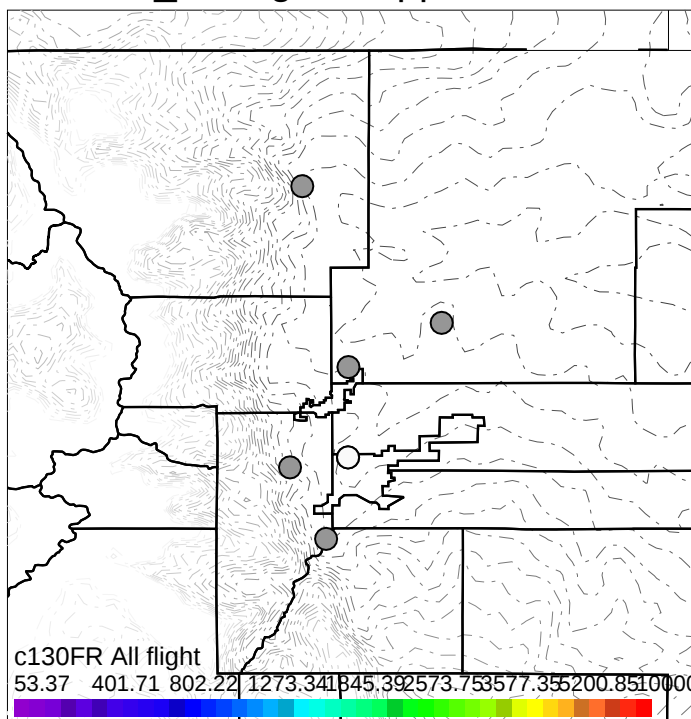
Model-Obs(%) NO,ppb, < 3 km



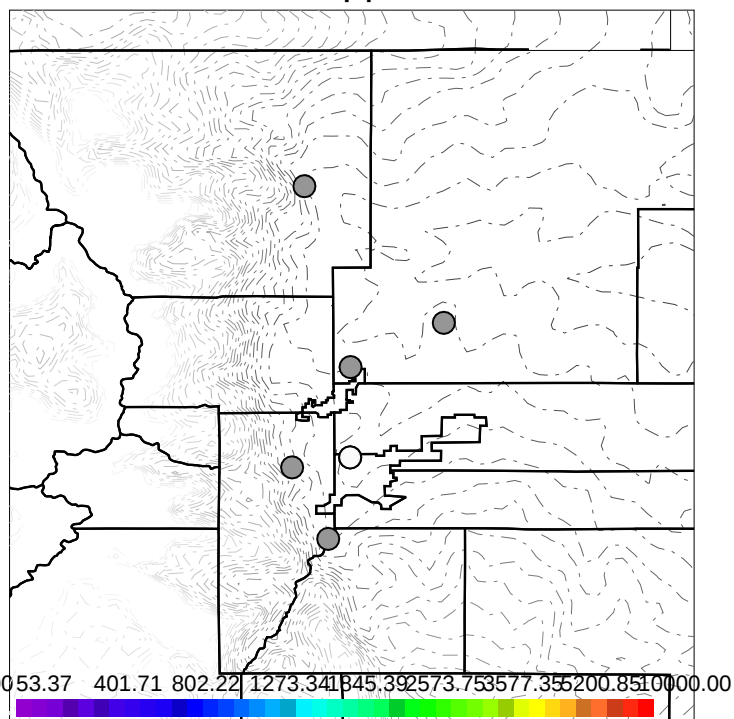
< 3 km



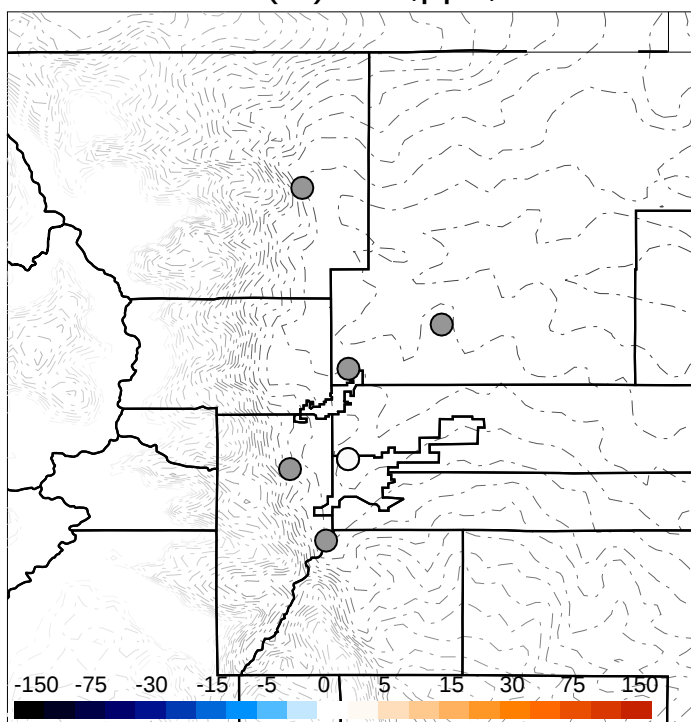
NO_MixingRatio,pptv > 3 km



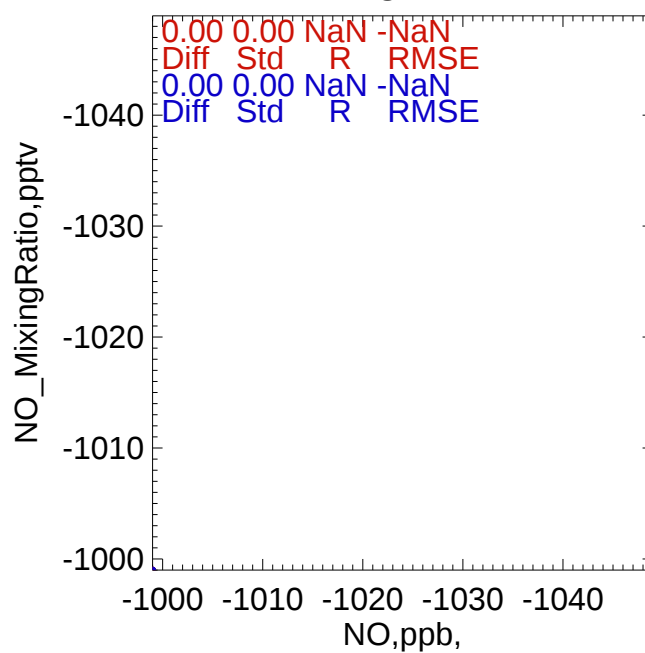
Model NO,ppb, > 3 km

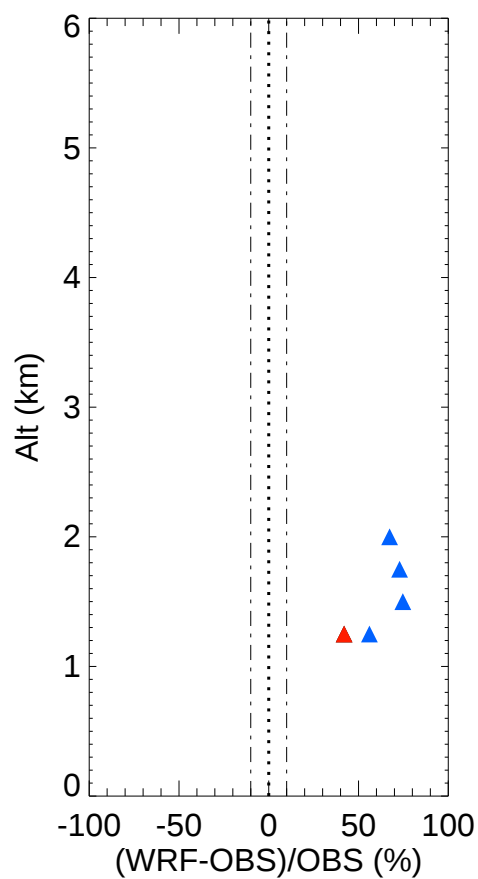
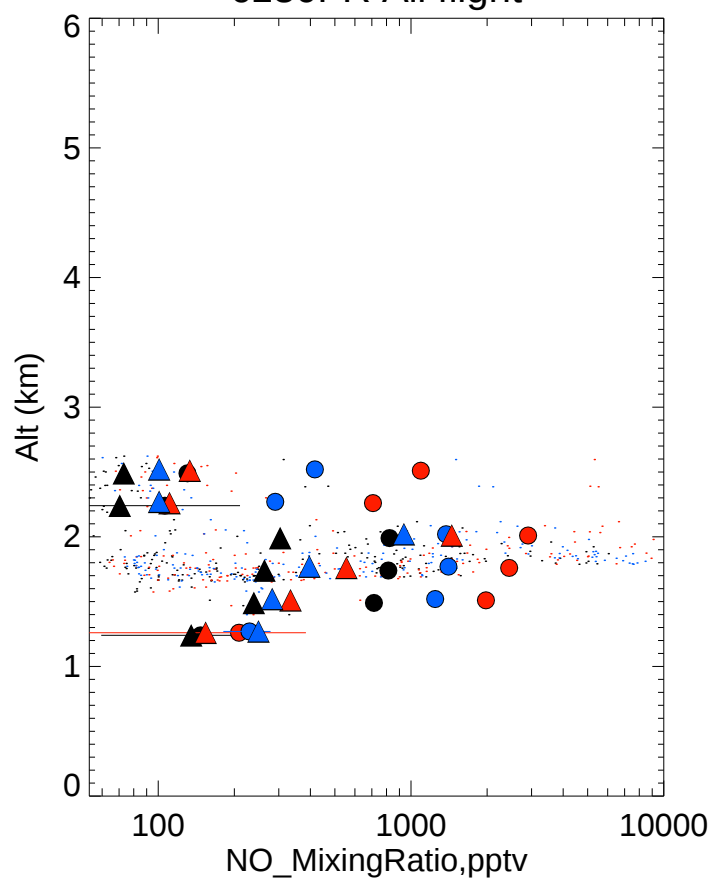
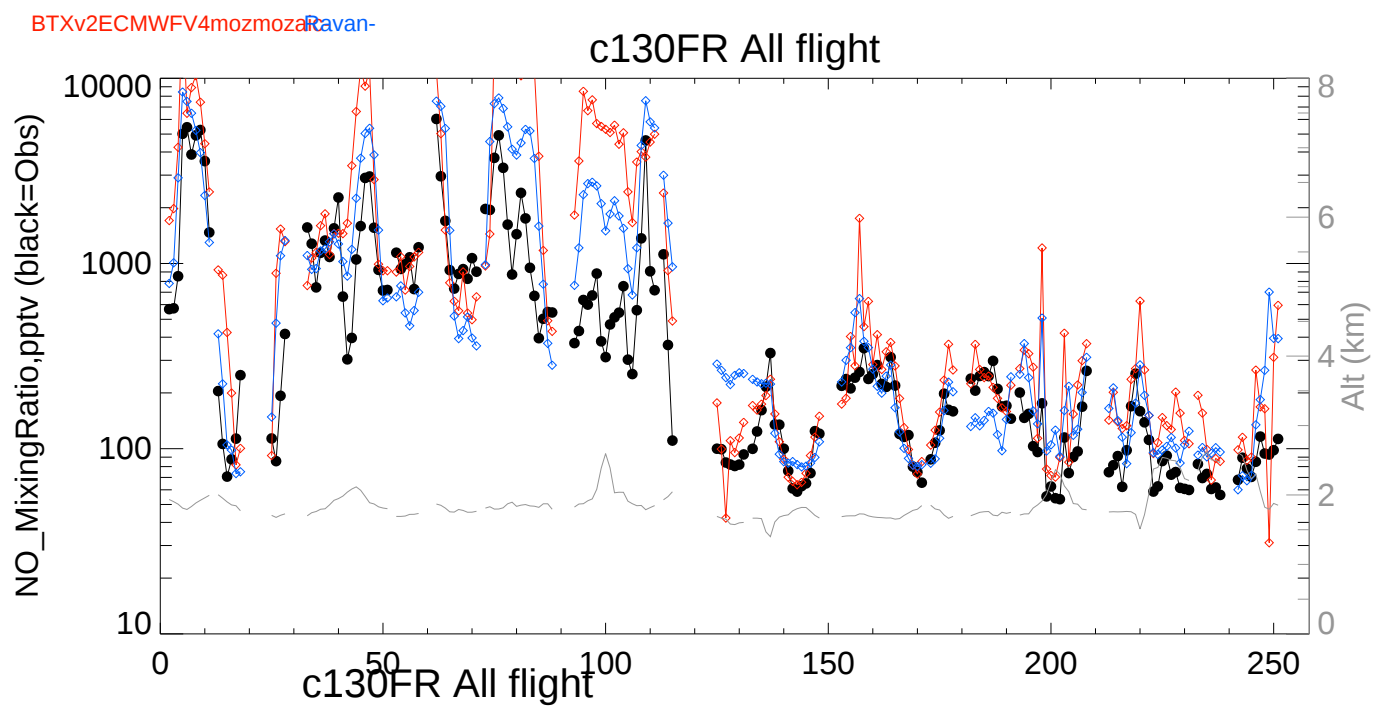


Model-Obs(%) NO,ppb, > 3 km

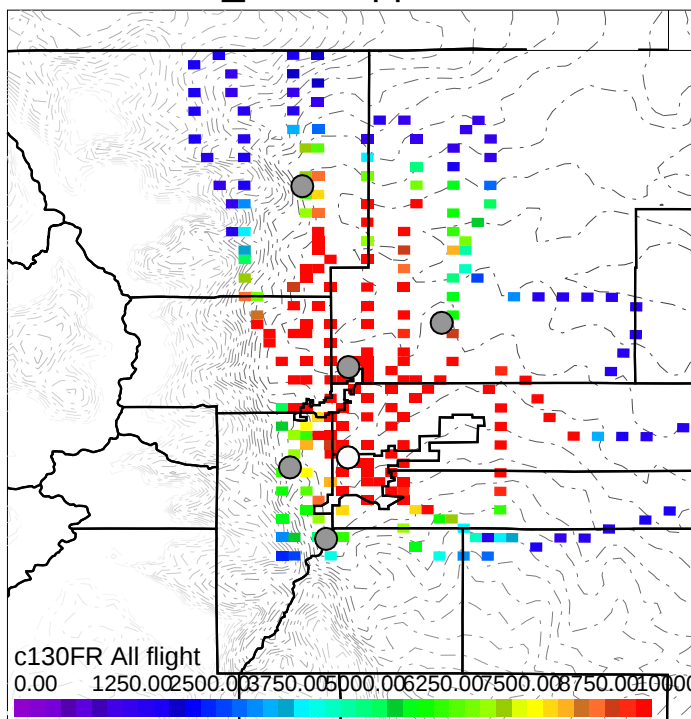


> 3 km

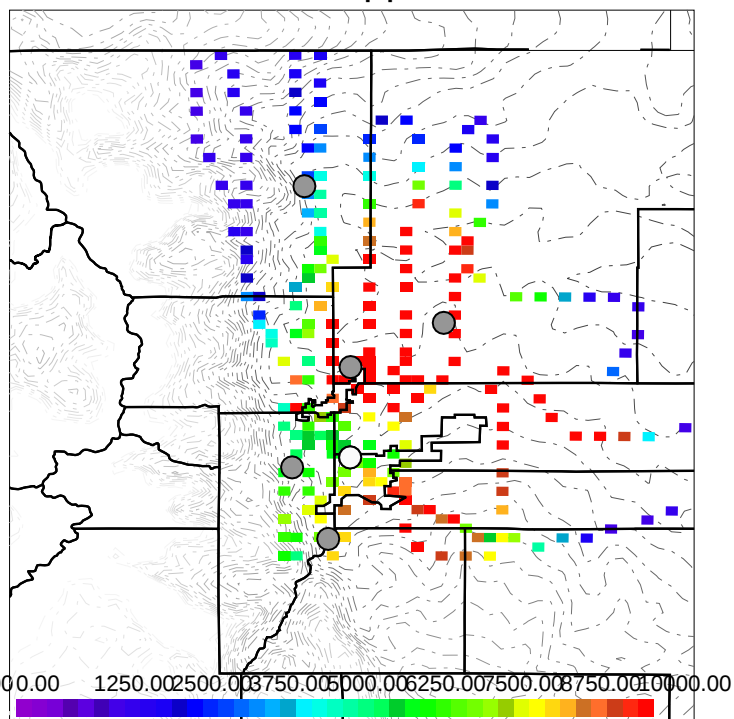




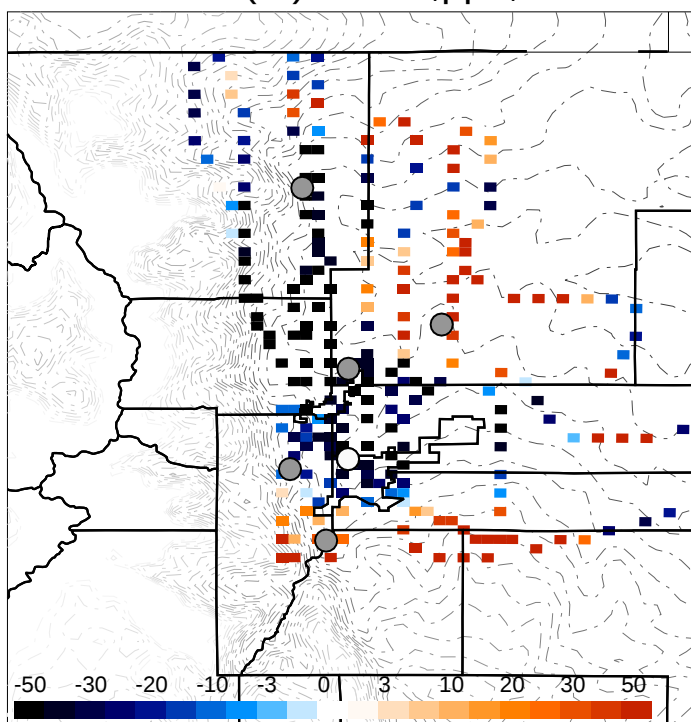
C2H6_CAMS, pptv < 3 km



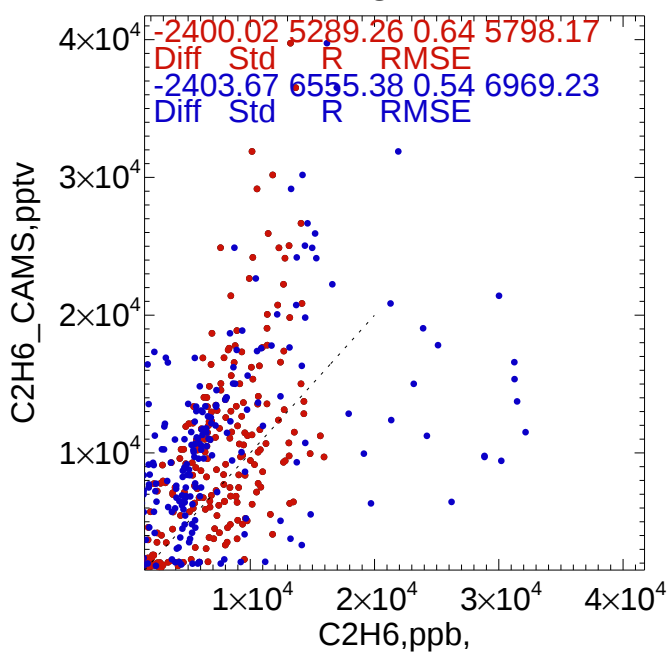
Model C2H6, ppb, < 3 km



Model-Obs(%) C2H6, ppb, < 3 km



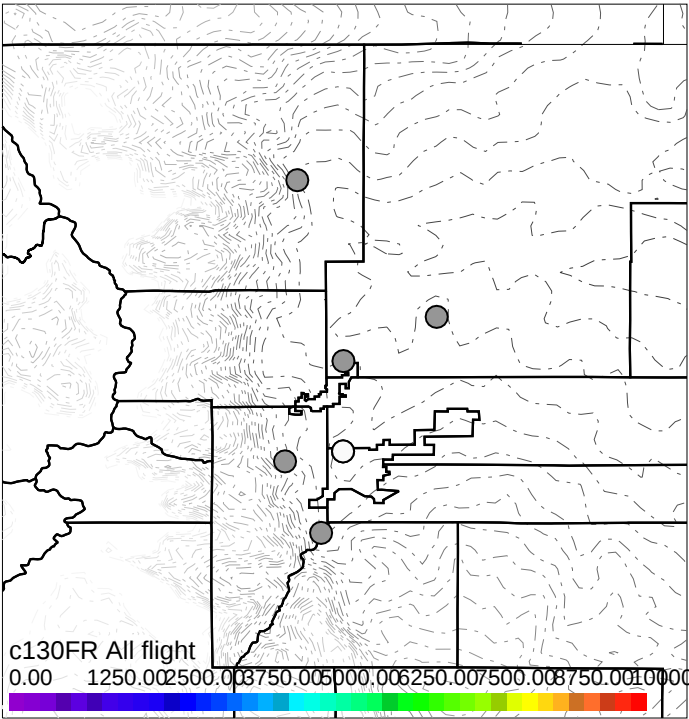
< 3 km



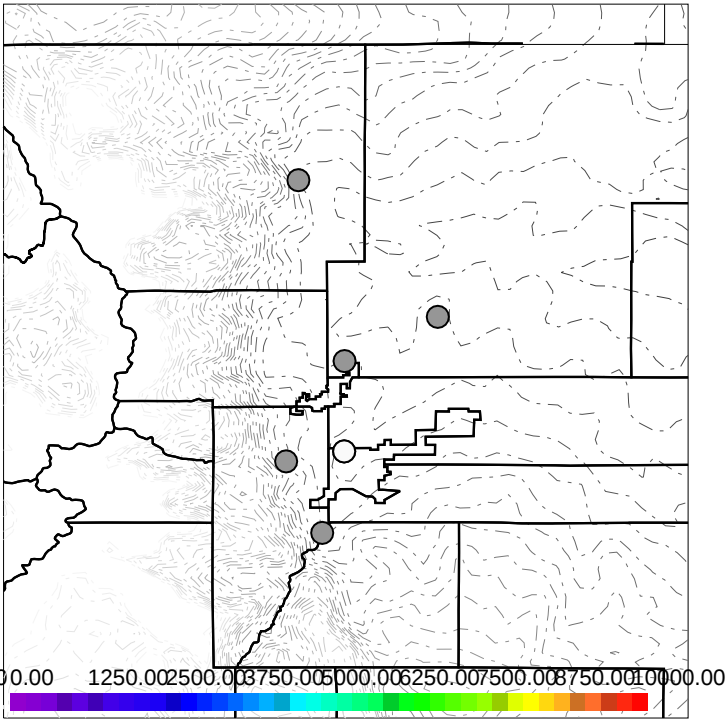
BTXv2ECMWFV4mozmozaic-

Ravan-

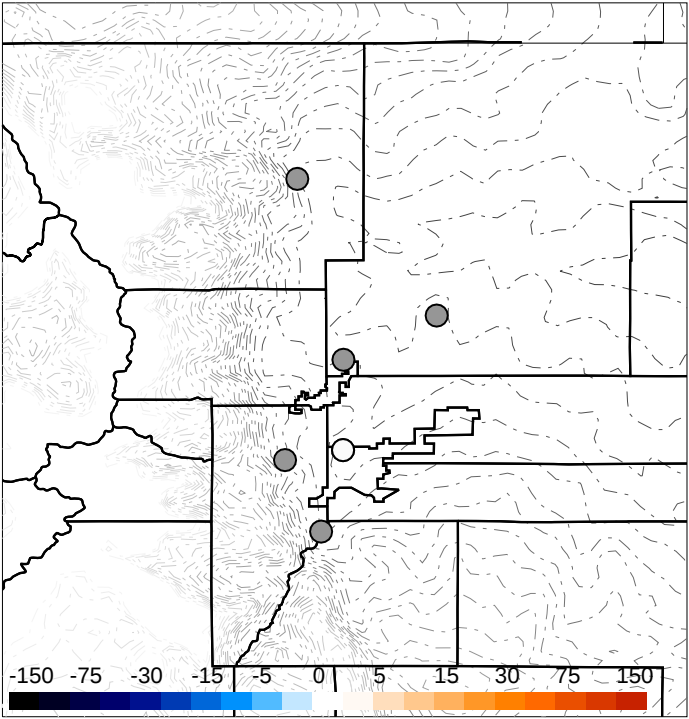
C2H6_CAMS,pptv > 3 km



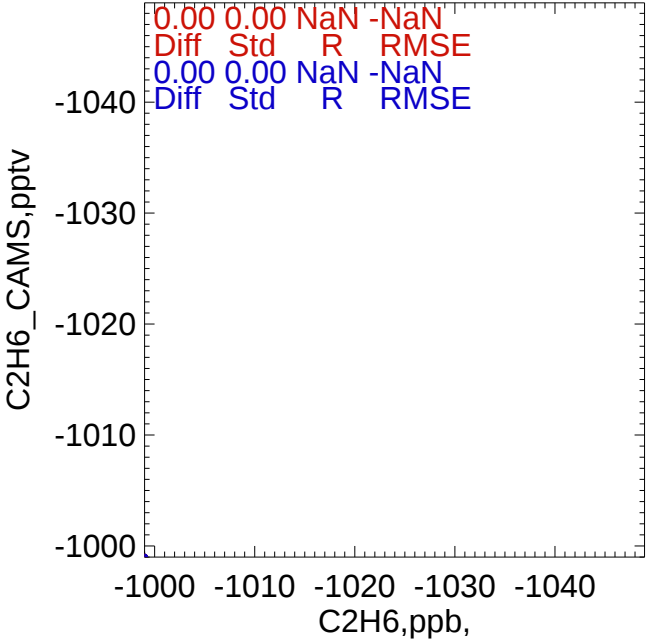
Model C2H6,ppb, > 3 km

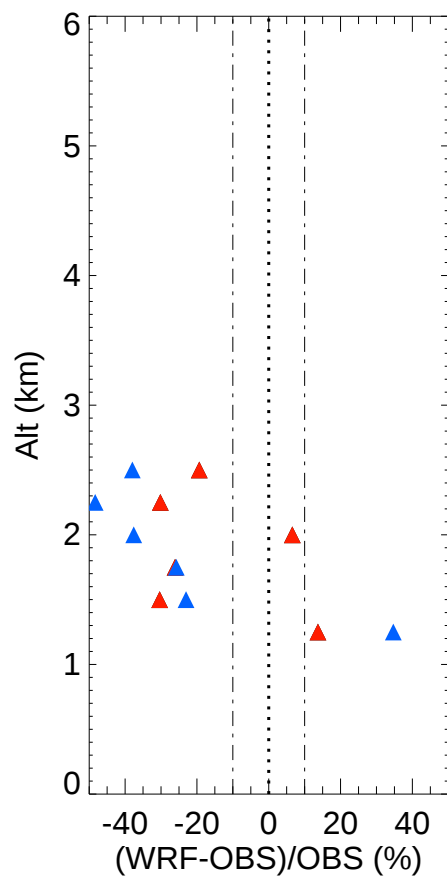
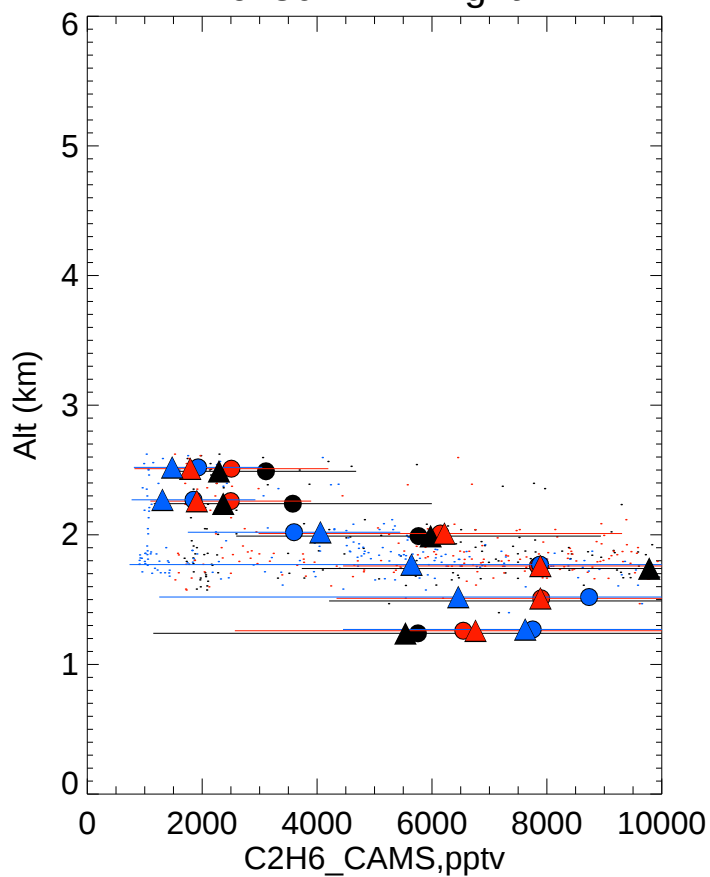
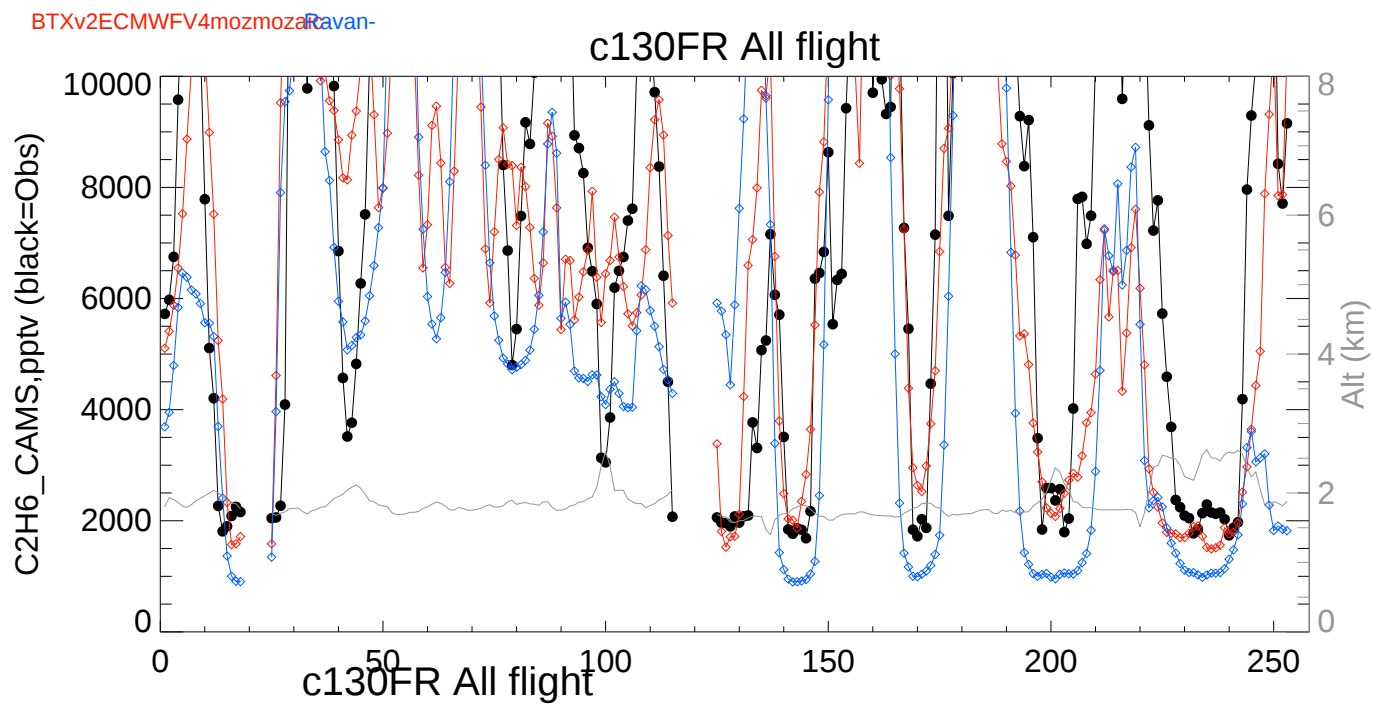


Model-Obs(%) C2H6,ppb, > 3 km

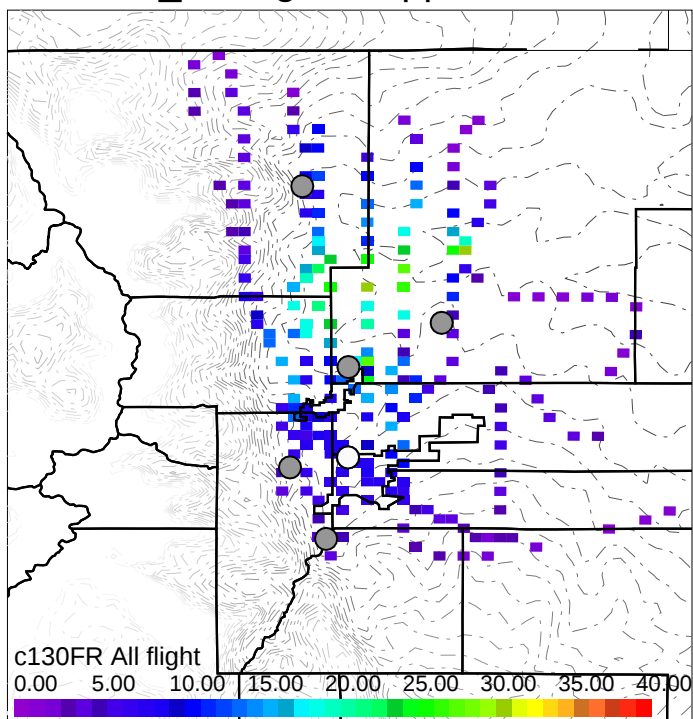


> 3 km

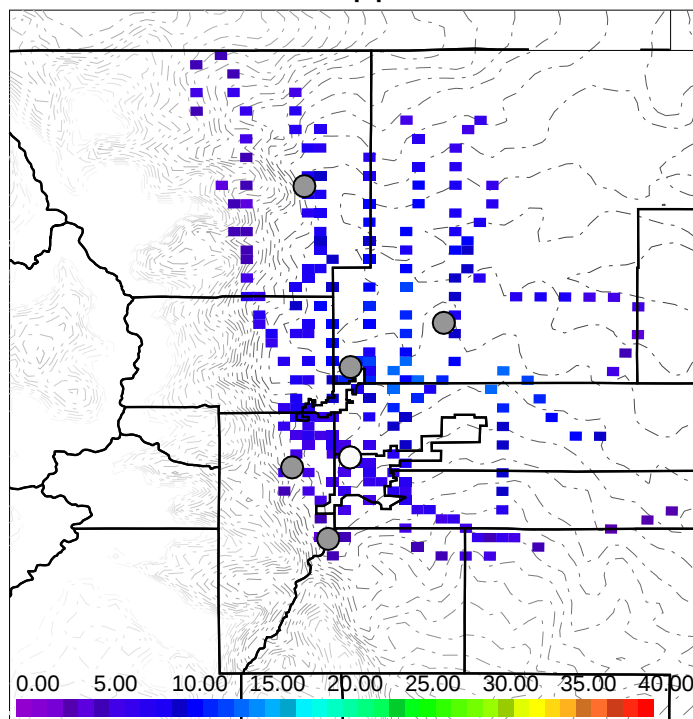




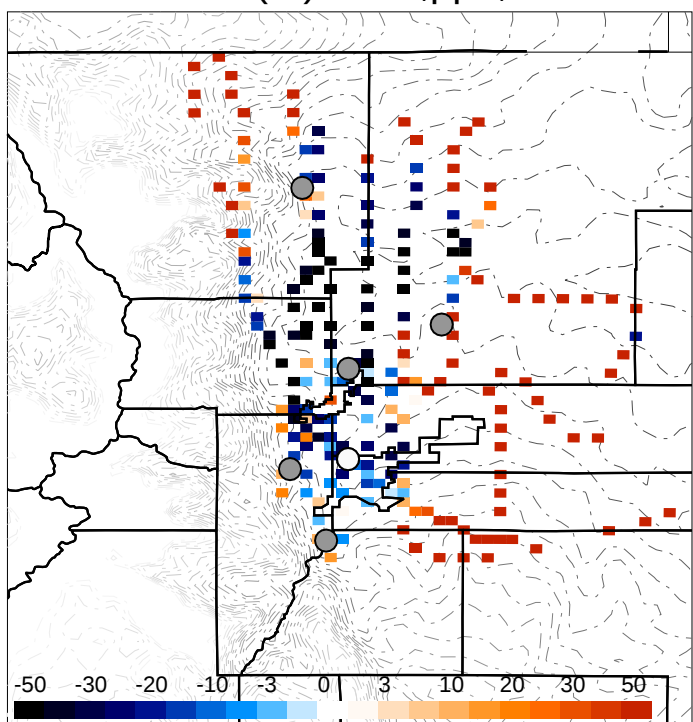
NH3_MixingRatio,ppbv < 3 km



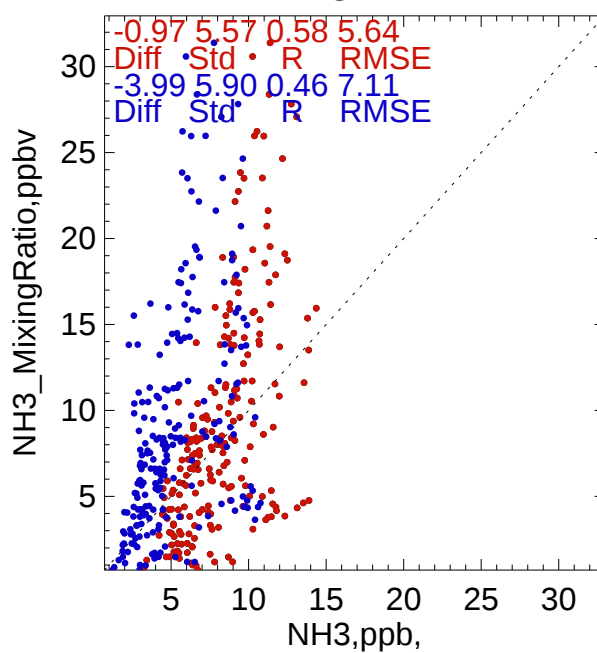
Model NH3,ppb, < 3 km



Model-Obs(%) NH3,ppb, < 3 km



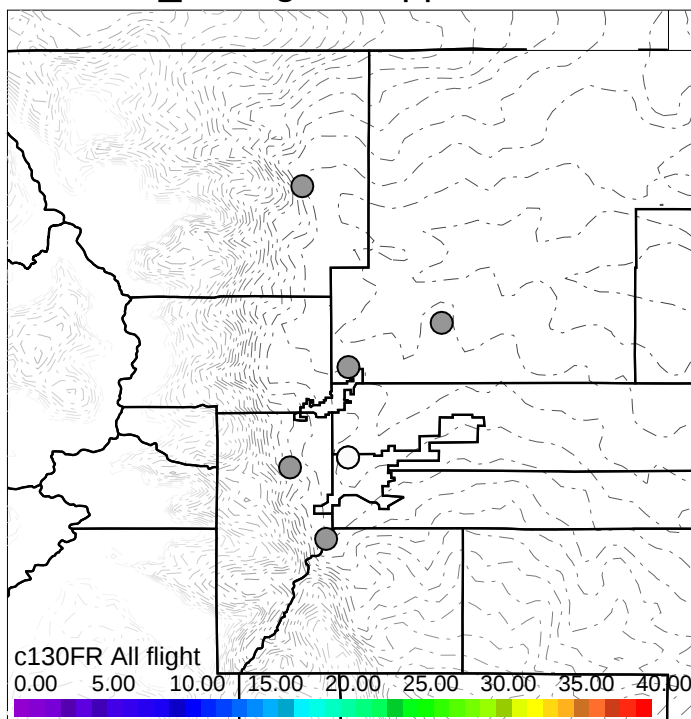
< 3 km



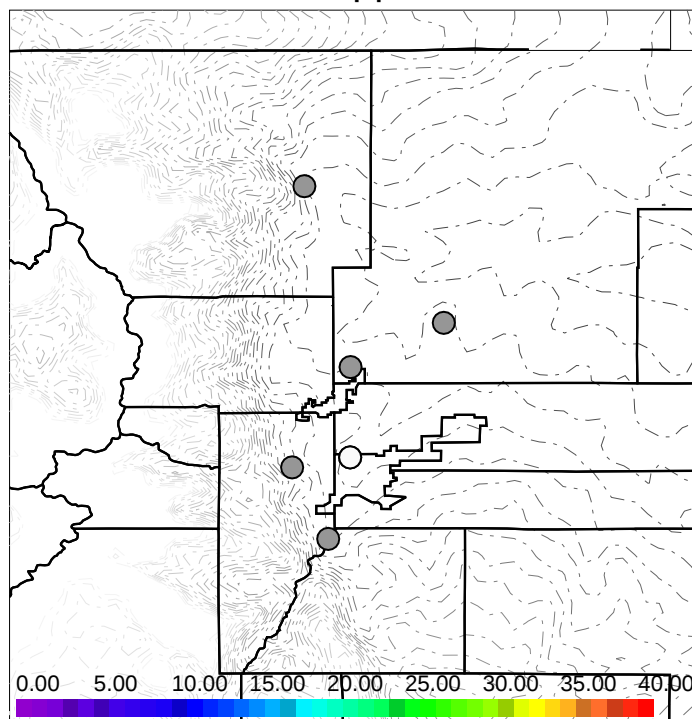
BTXv2ECMWFV4mozmozaic-

Ravan-

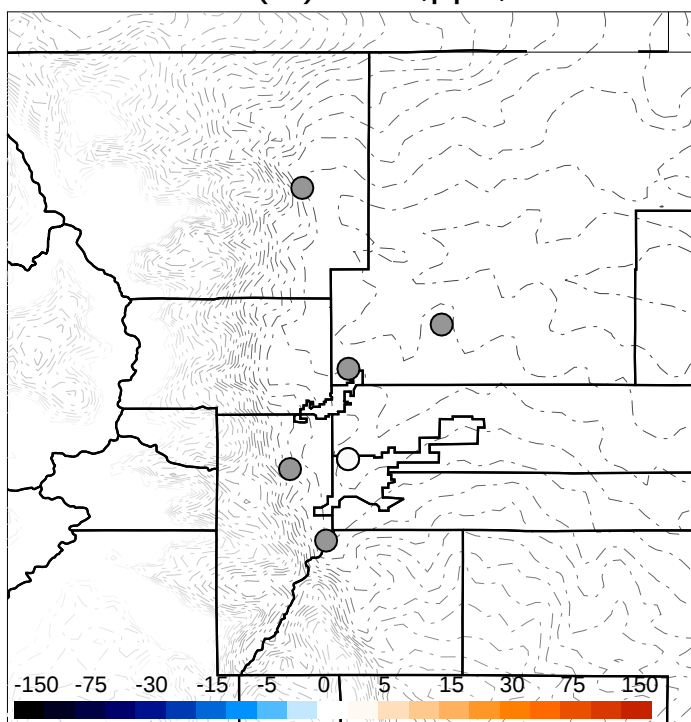
NH3_MixingRatio,ppbv > 3 km



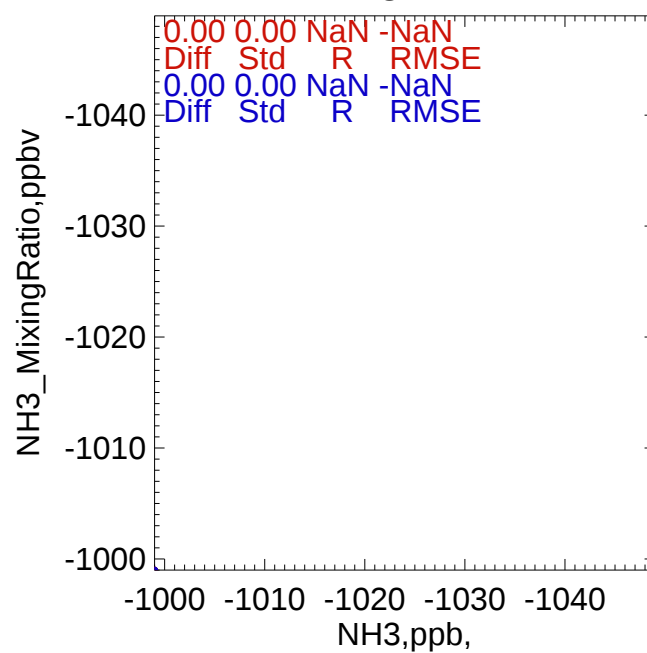
Model NH3,ppb, > 3 km



Model-Obs(%) NH3,ppb, > 3 km

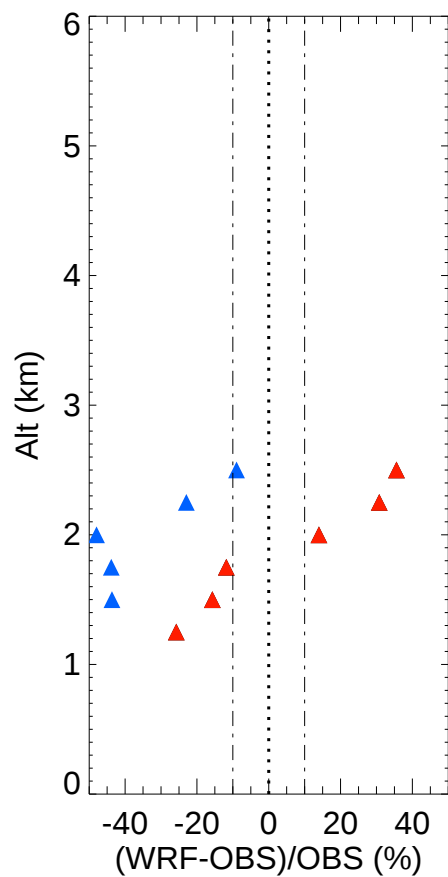
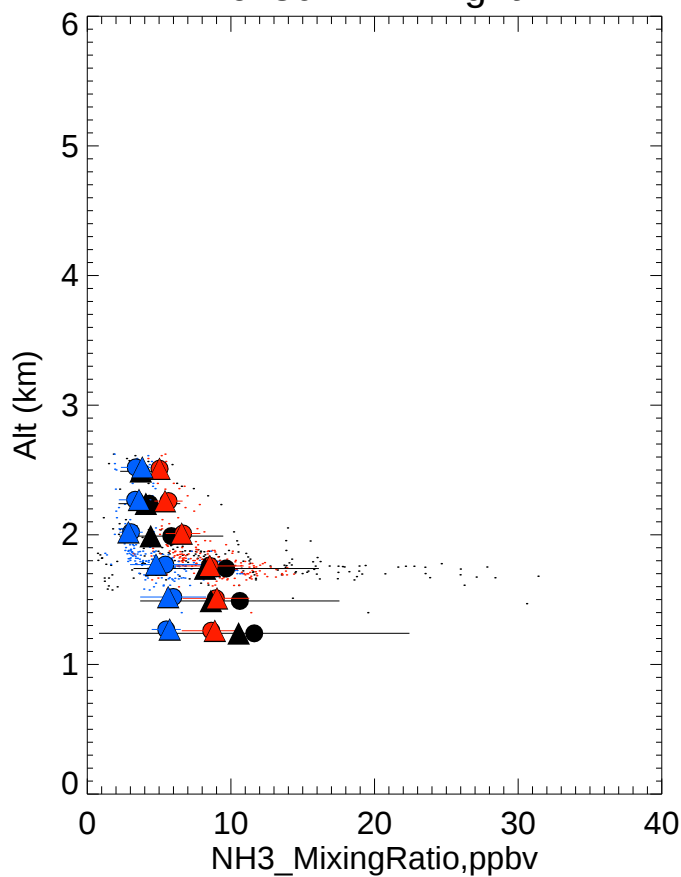
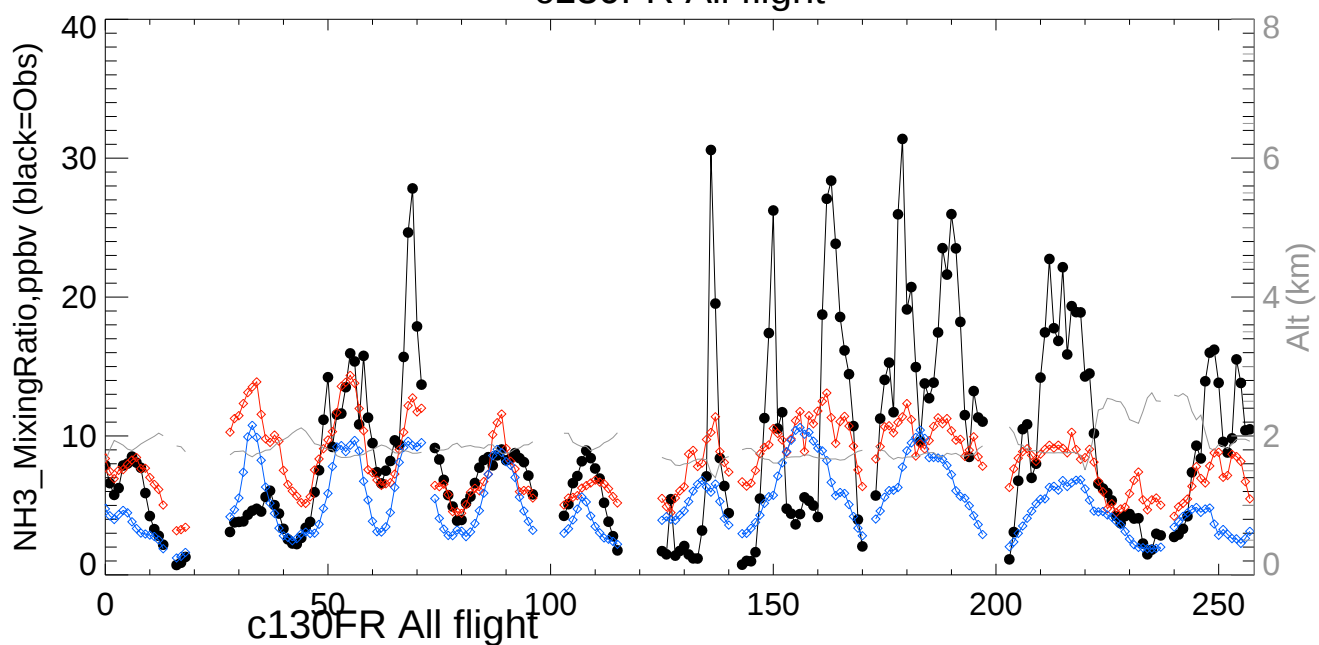


> 3 km

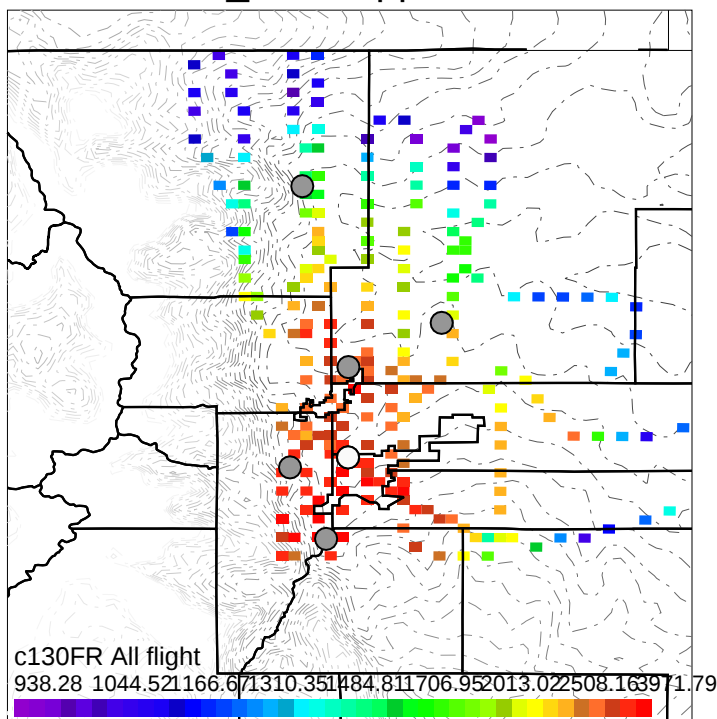


BTXv2ECMWFV4mozmozaravan-

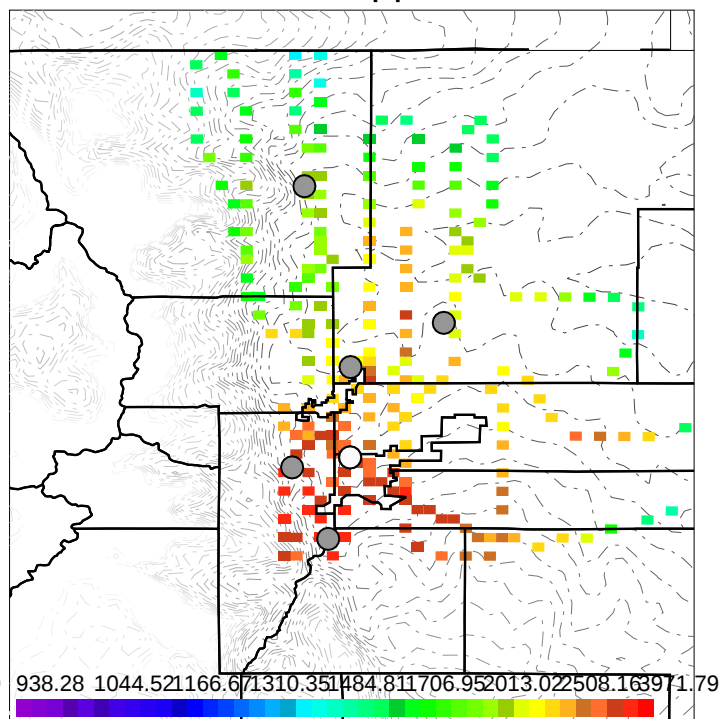
c130FR All flight



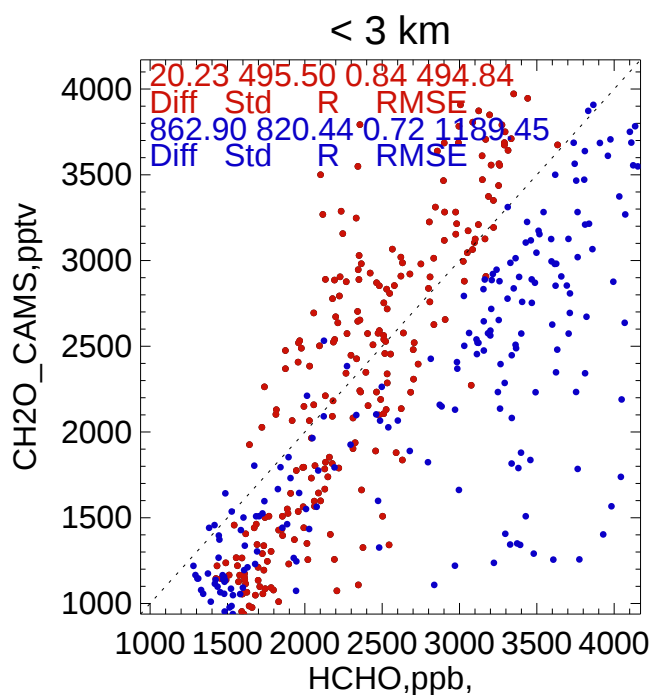
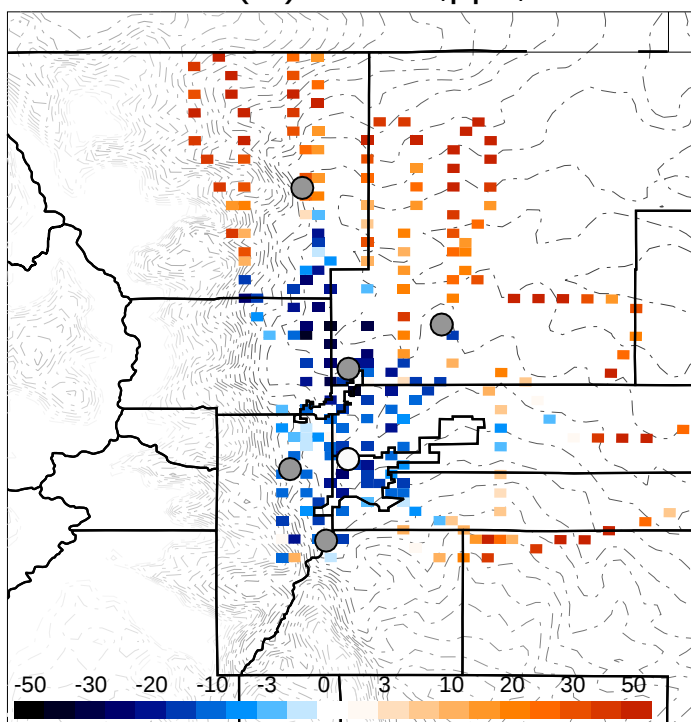
CH₂O_CAMS,pptv < 3 km



Model HCHO,ppb, < 3 km



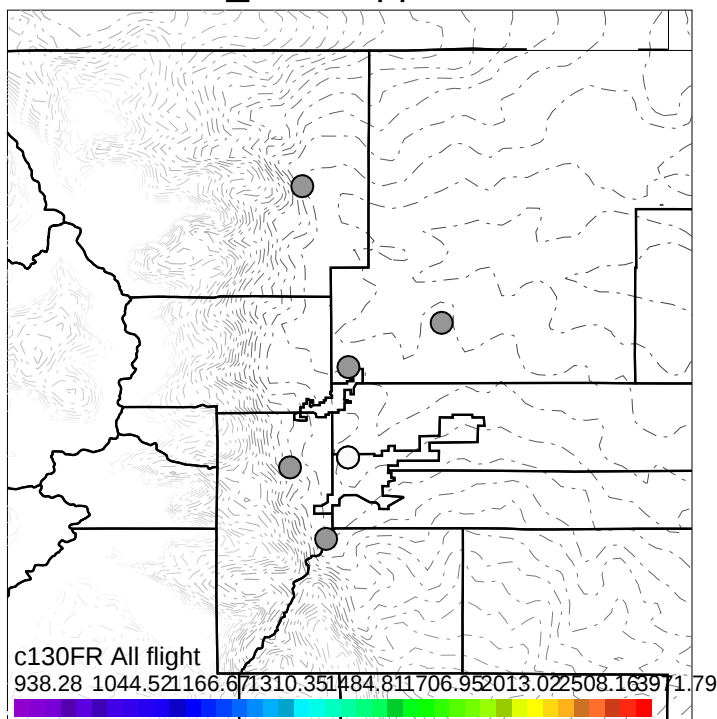
Model-Obs(%) HCHO,ppb, < 3 km



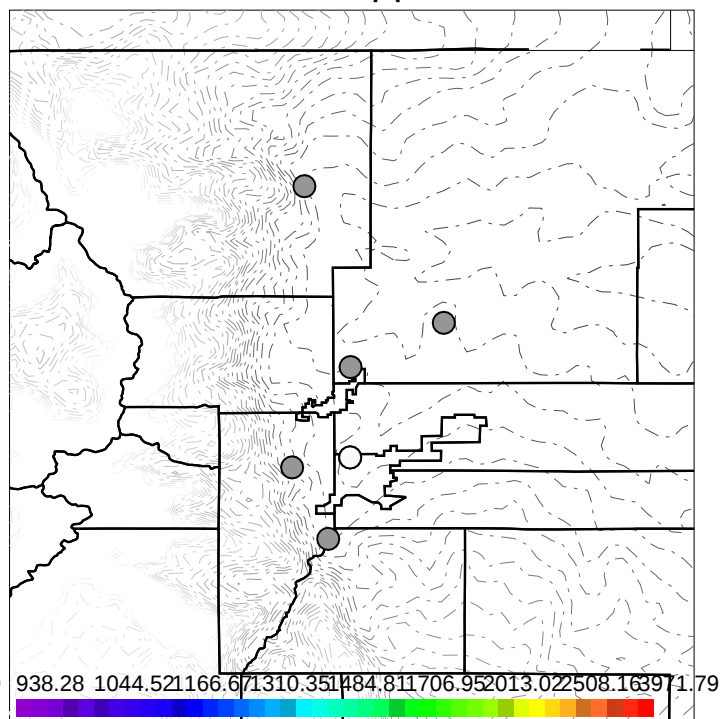
BTXv2ECMWFV4mozmozaic-

Ravan-

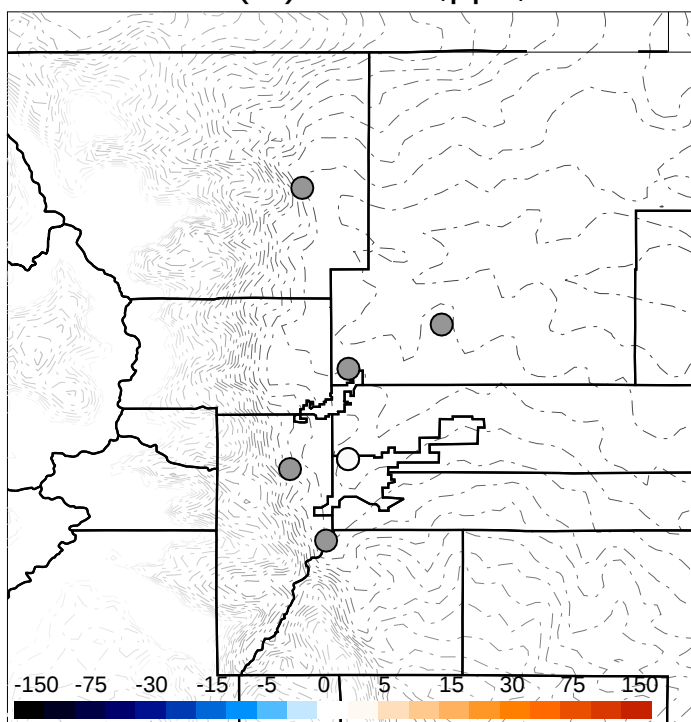
CH2O_CAMS,pptv > 3 km



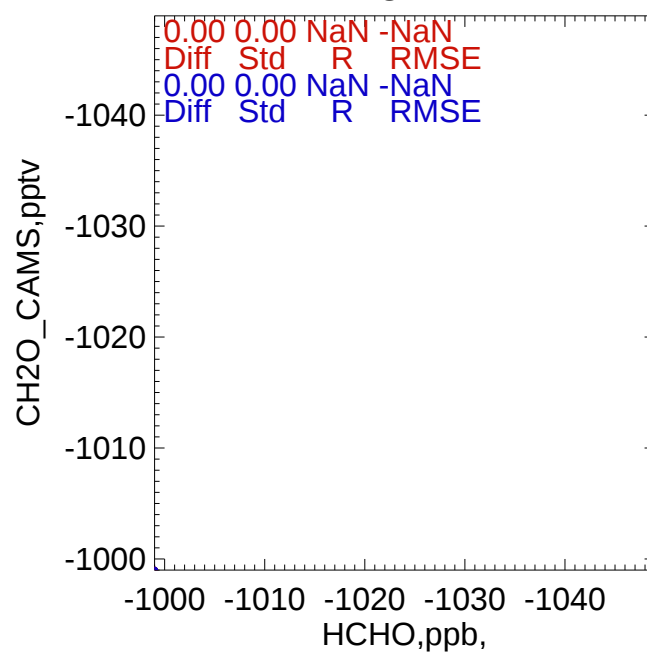
Model HCHO,ppb, > 3 km



Model-Obs(%) HCHO,ppb, > 3 km

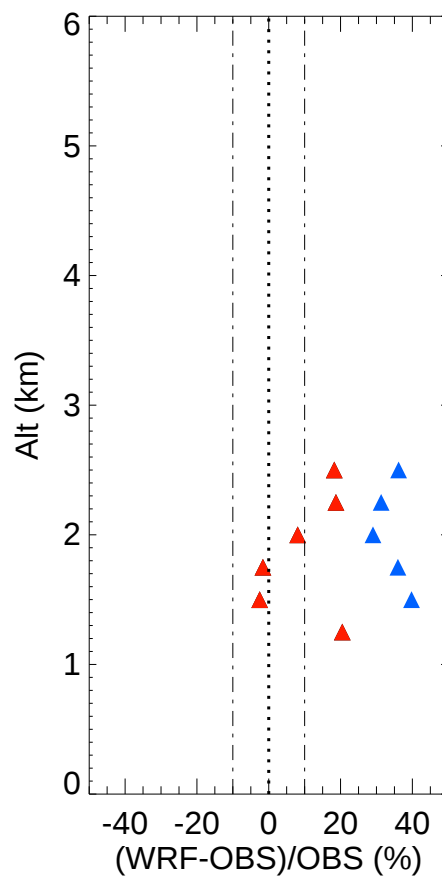
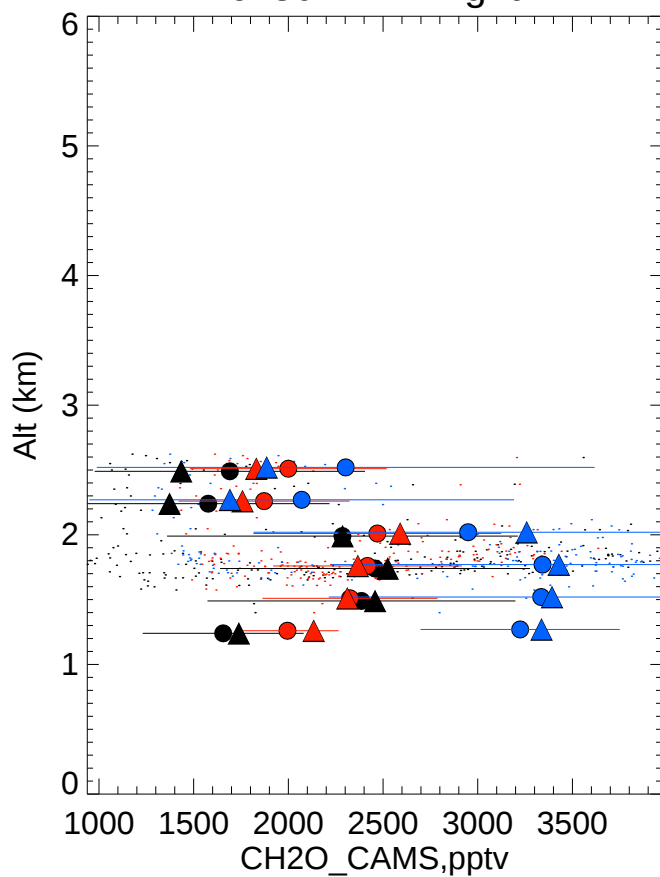
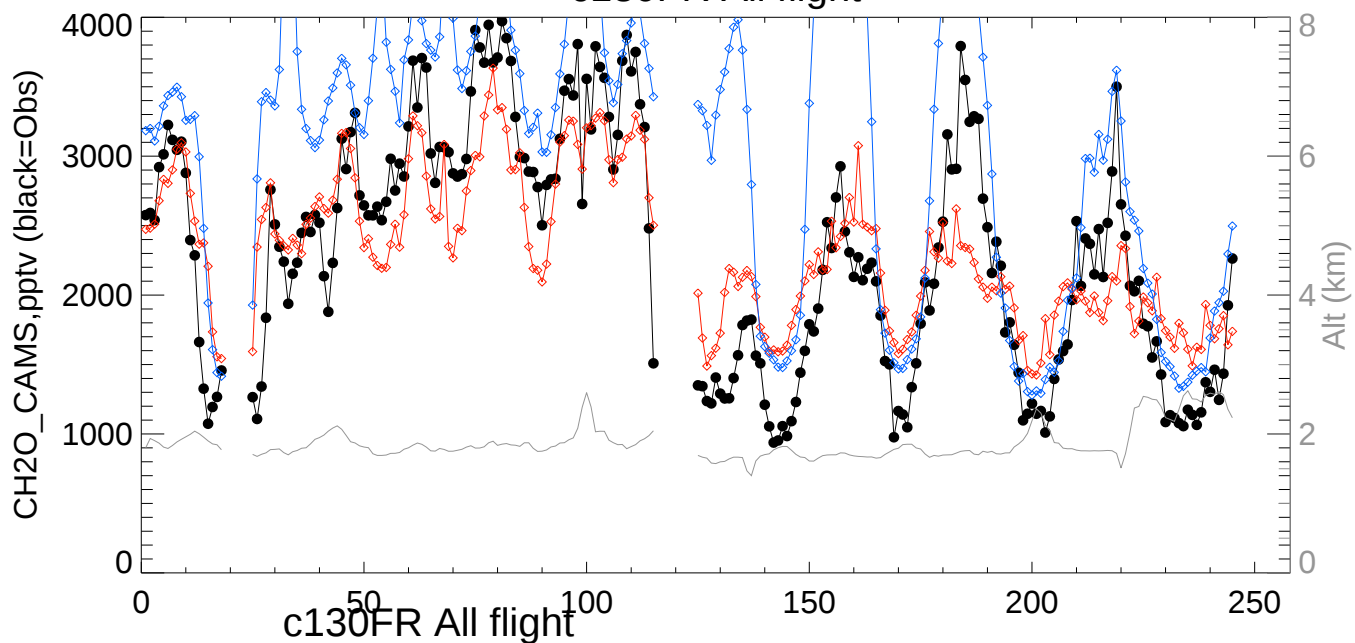


> 3 km

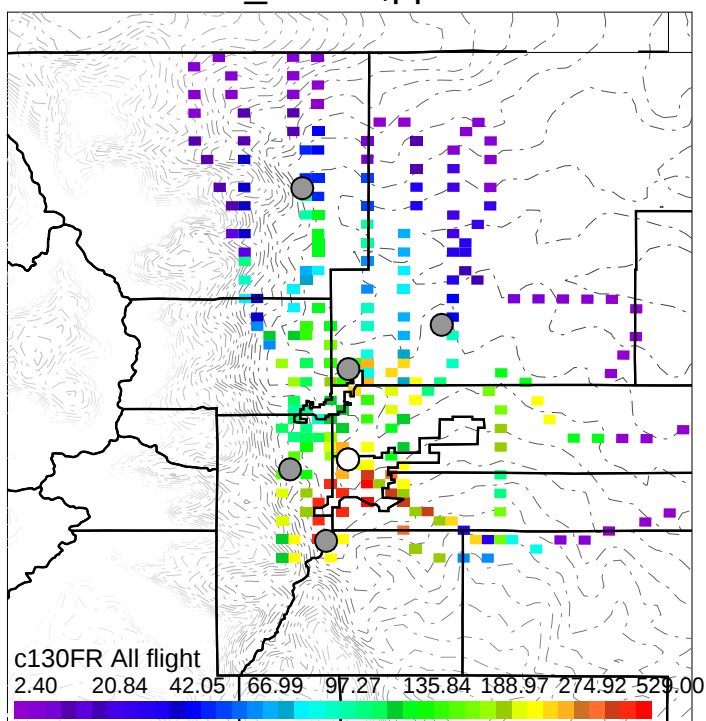


BTXv2ECMWFV4mozmozaRavan-

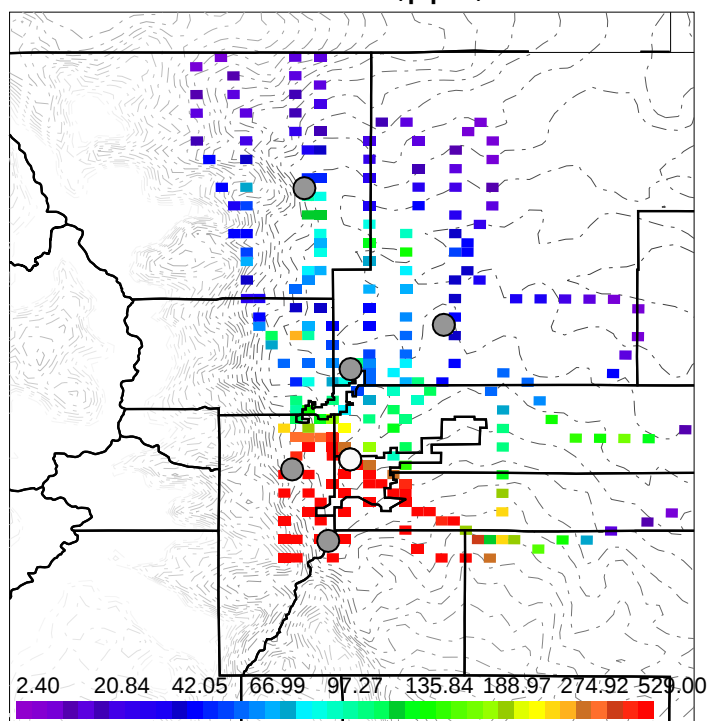
c130FR All flight



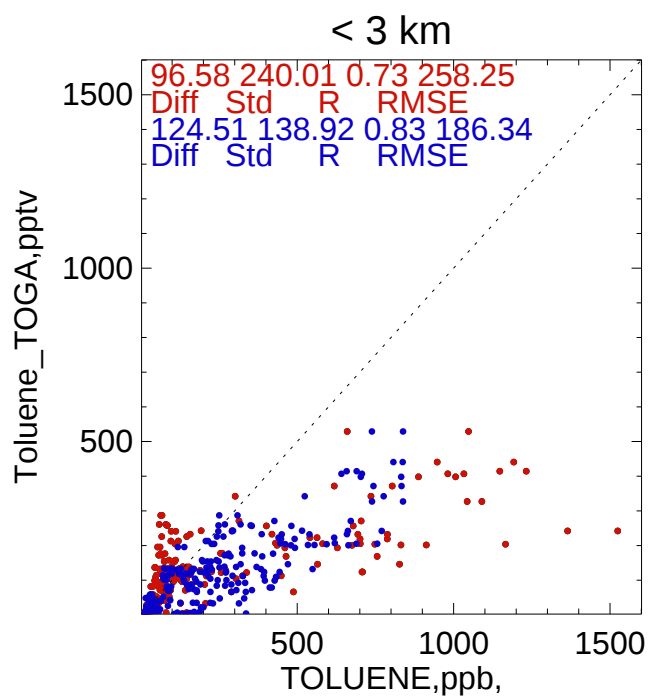
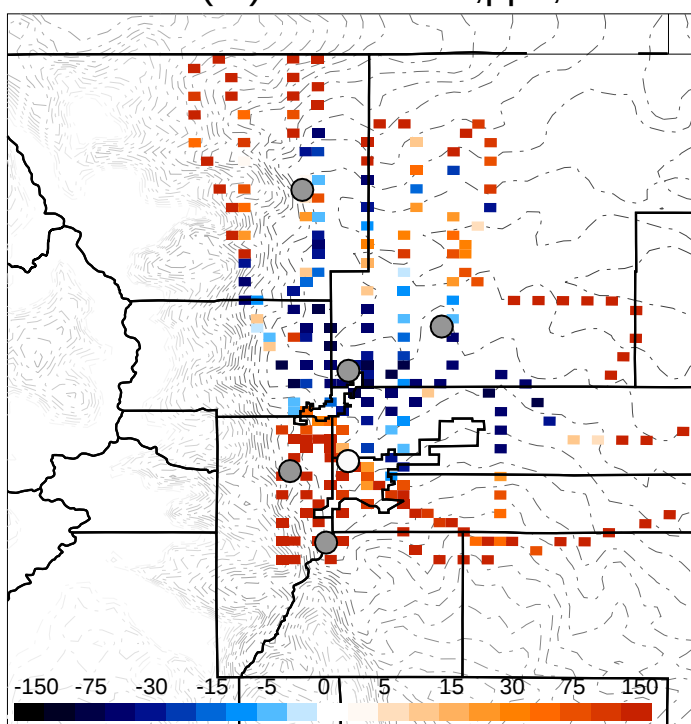
Toluene_TOGA, pptv < 3 km



Model TOLUENE, ppb, < 3 km



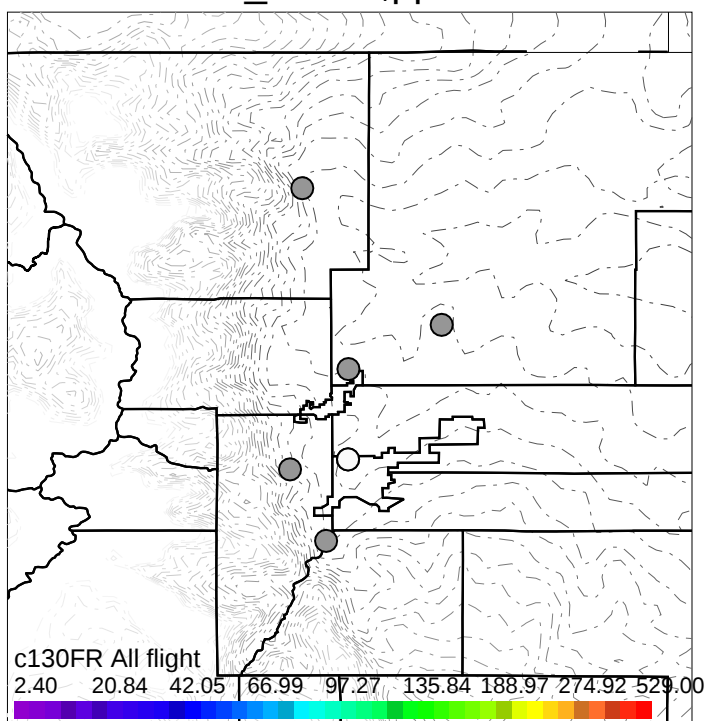
Model-Obs(%) TOLUENE, ppb, < 3 km



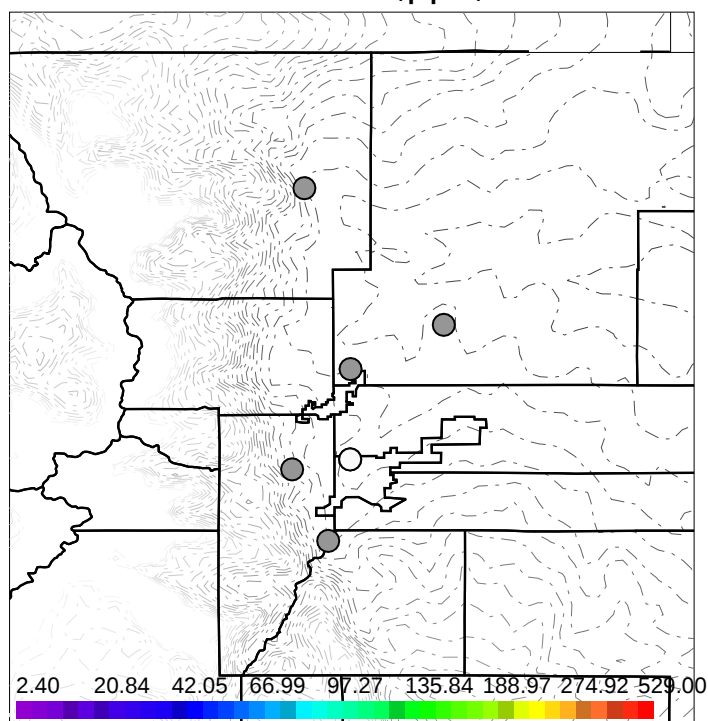
BTXv2ECMWFV4mozmozaic-

Ravan-

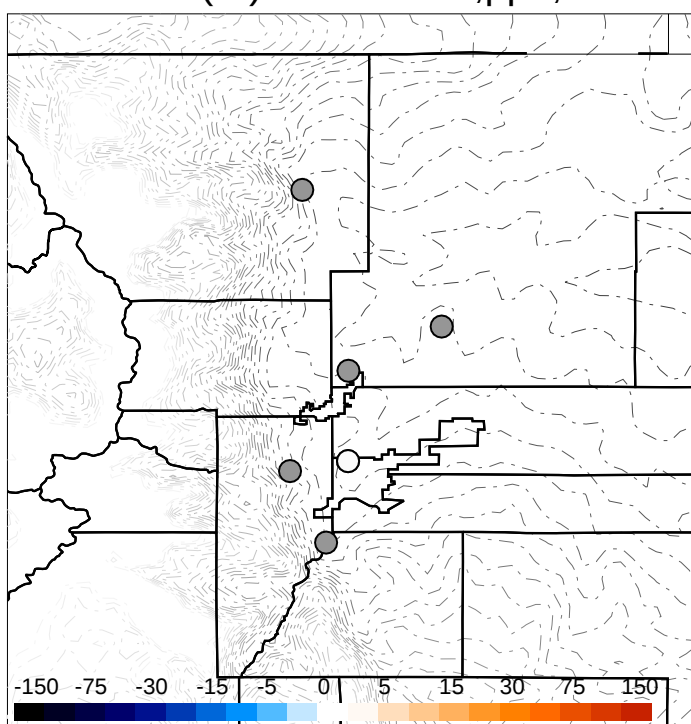
Toluene_TOGA,pptv > 3 km



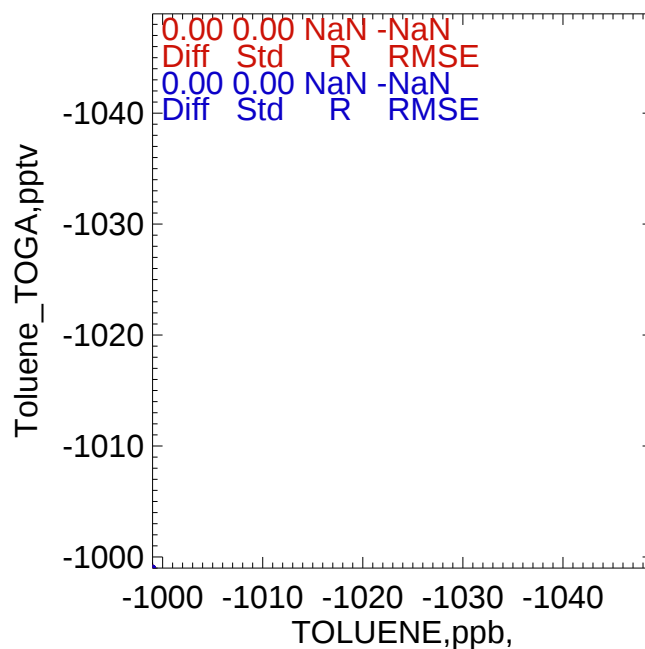
Model TOLUENE,ppb, > 3 km



Model-Obs(%) TOLUENE,ppb, > 3 km

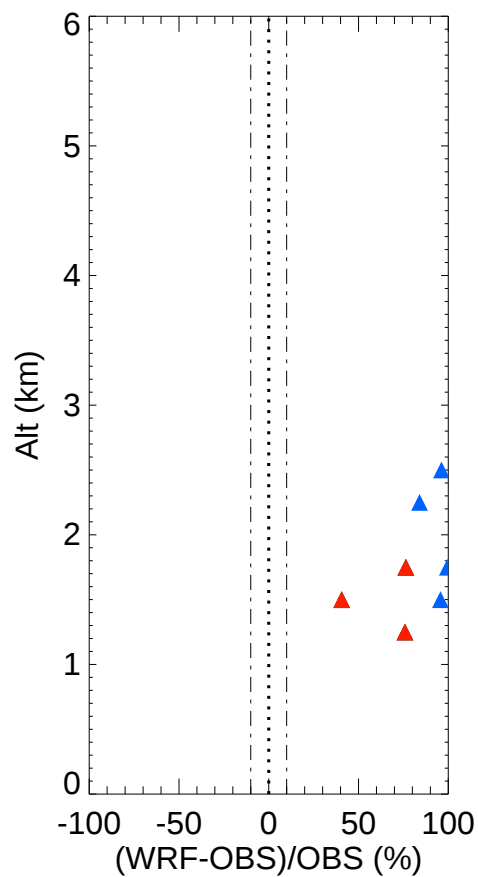
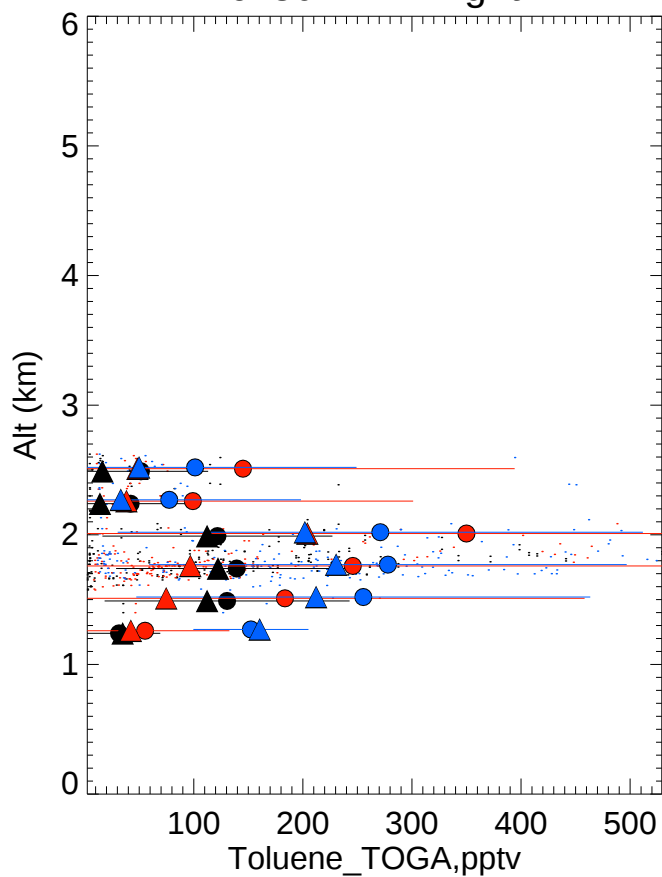
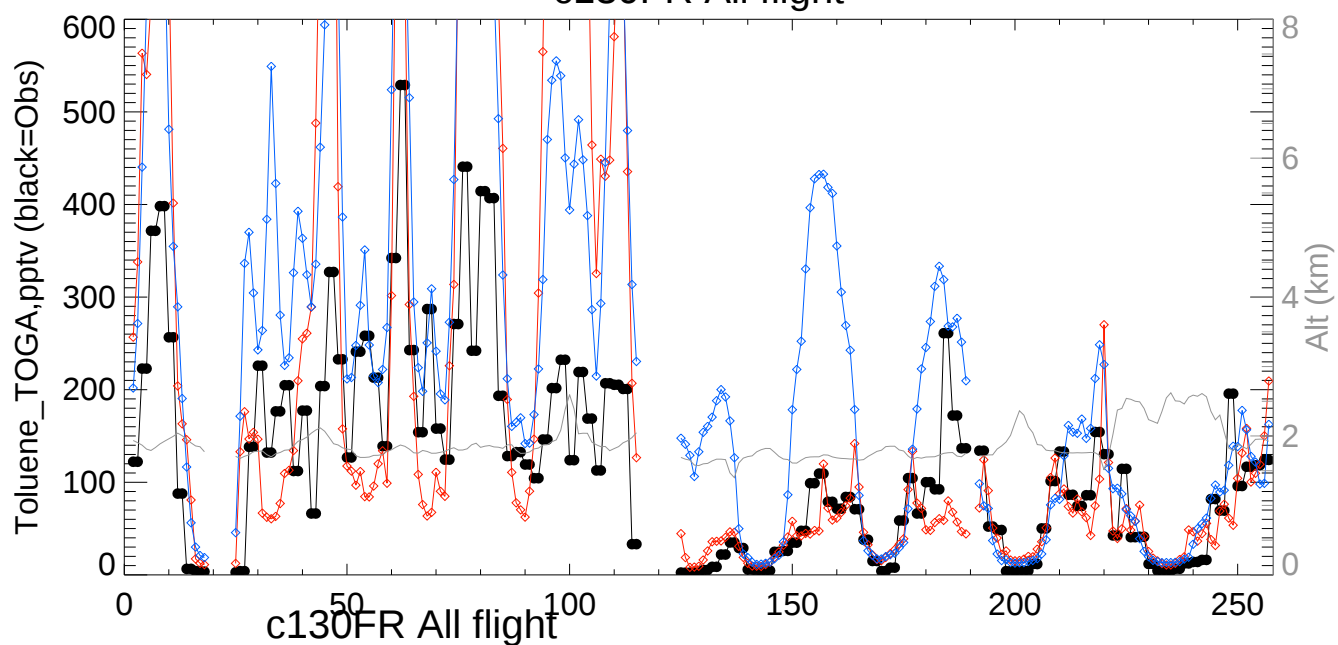


> 3 km

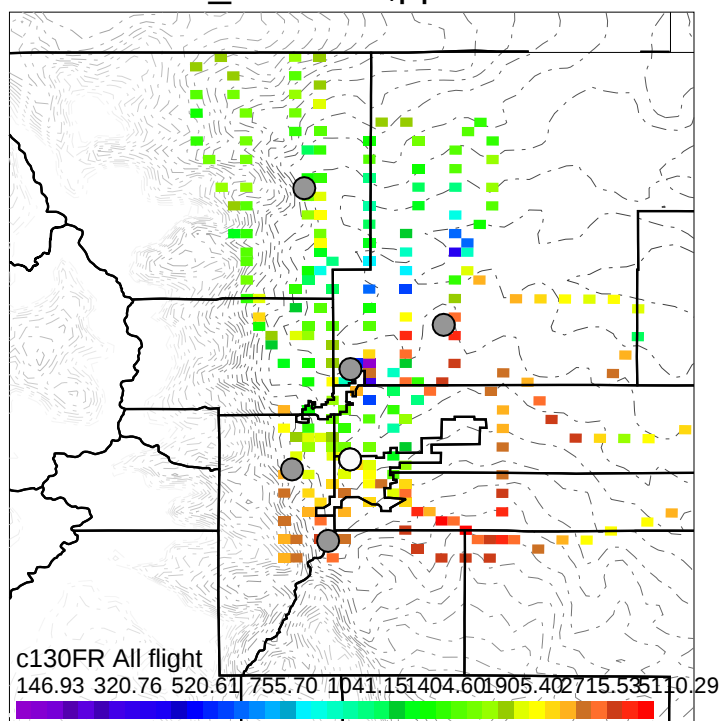


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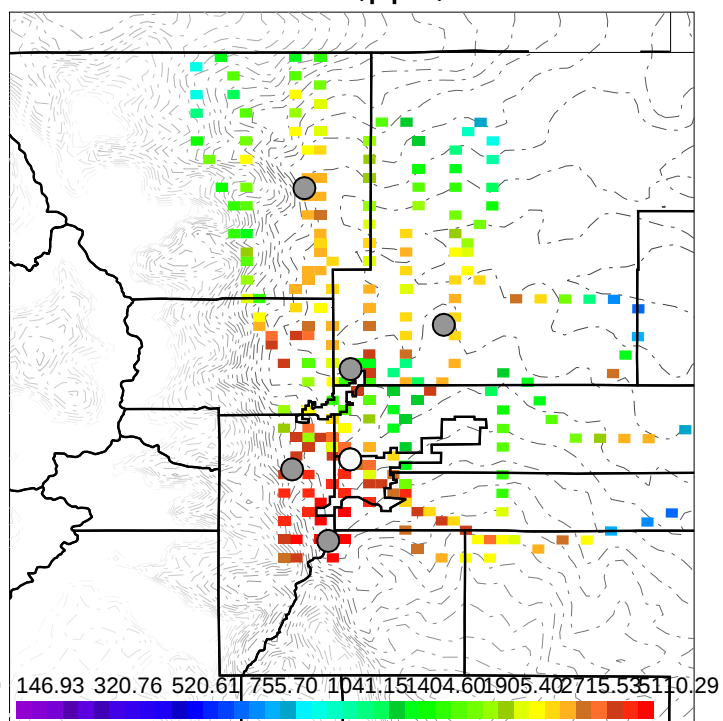
c130FR All flight



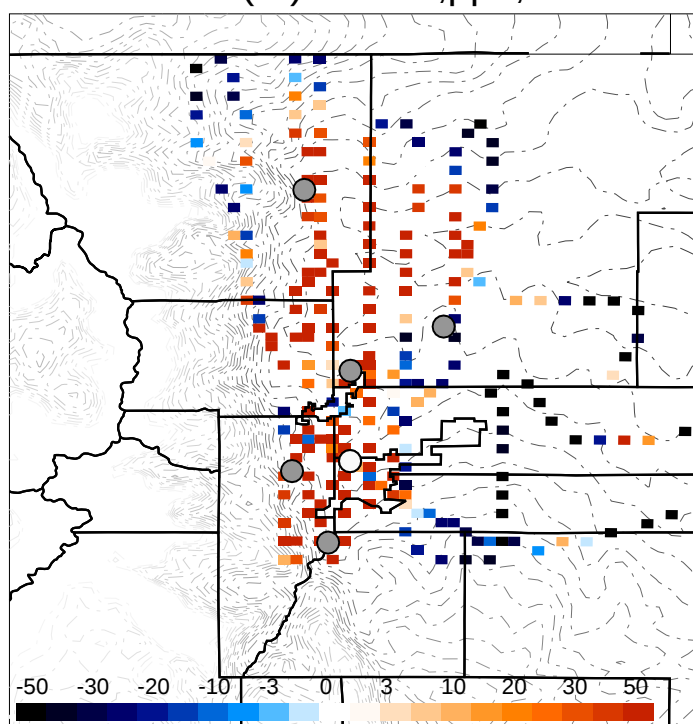
HNO₃_GTCIMS,pptv < 3 km



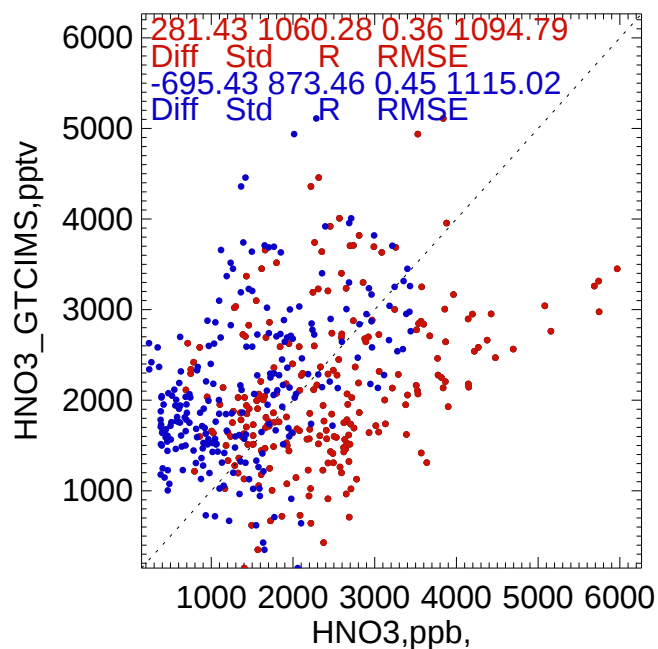
Model HNO₃,ppb, < 3 km



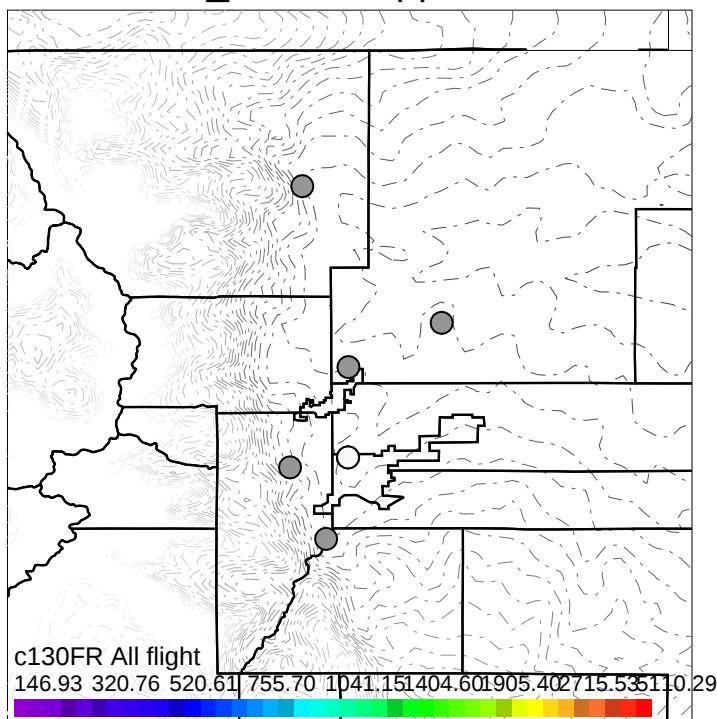
Model-Obs(%) HNO₃,ppb, < 3 km



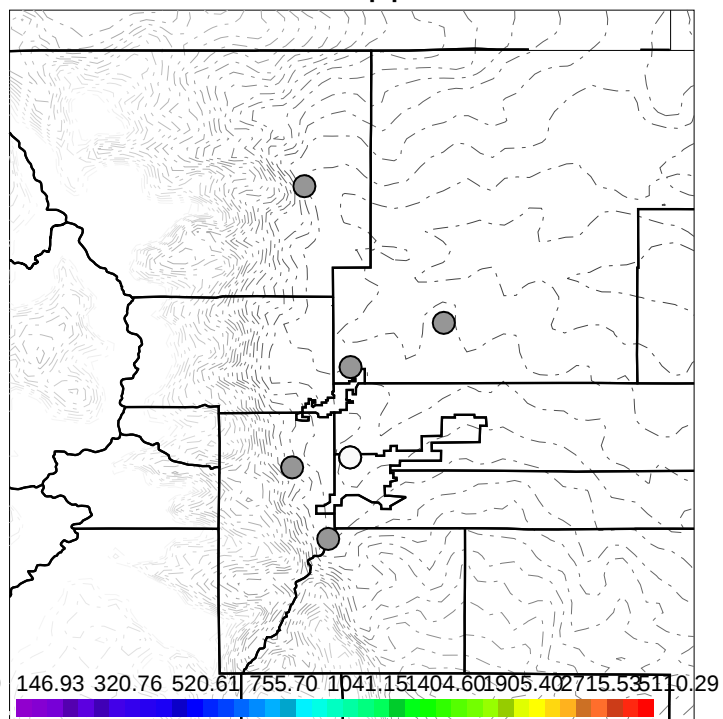
< 3 km



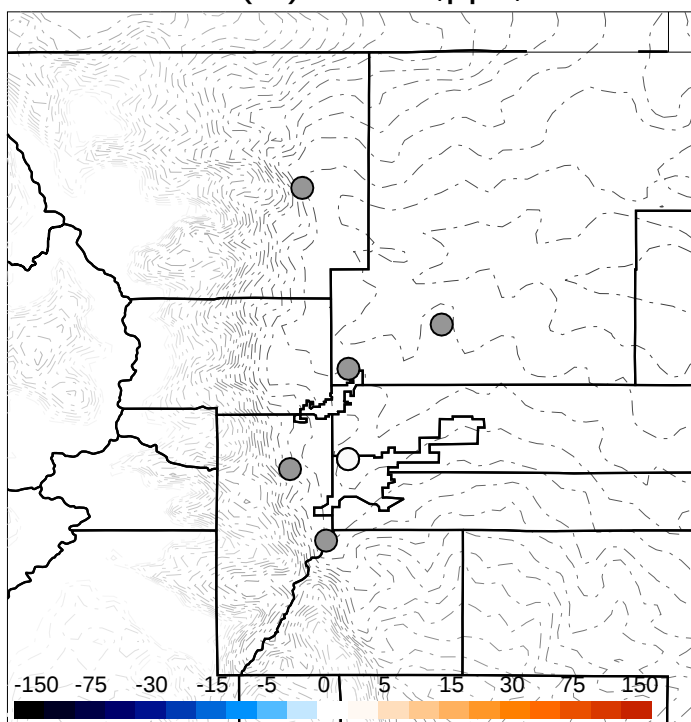
HNO3_GTCIMS,pptv > 3 km



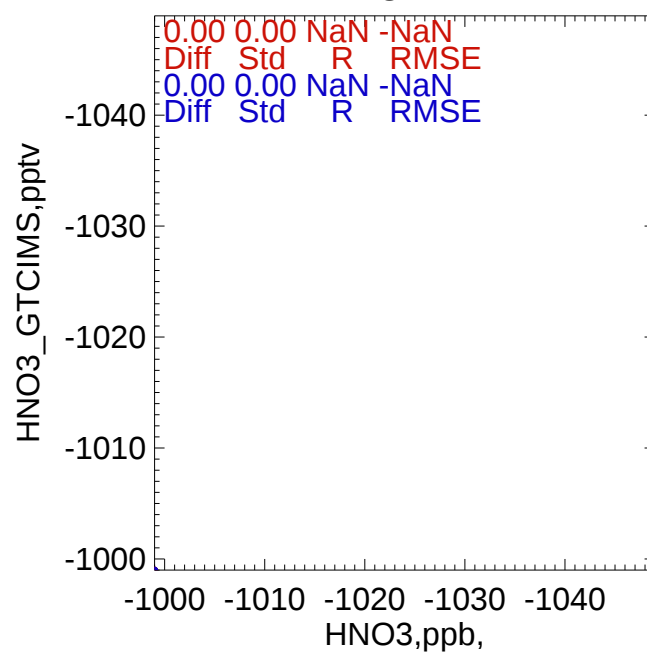
Model HNO3,ppb, > 3 km



Model-Obs(%) HNO3,ppb, > 3 km

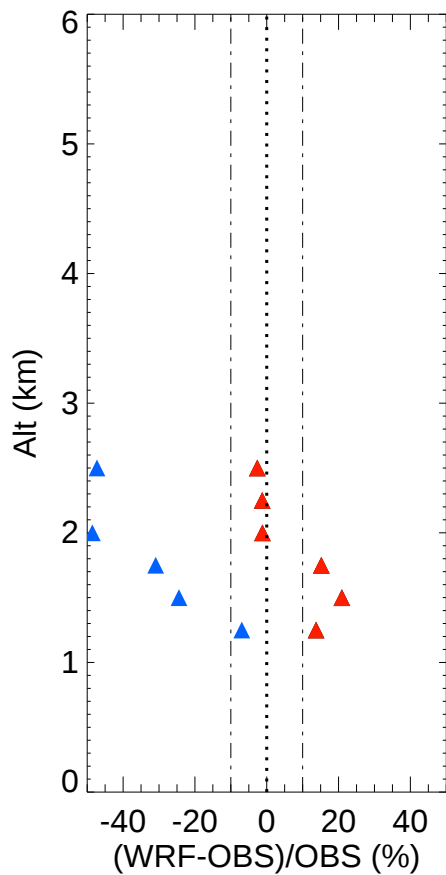
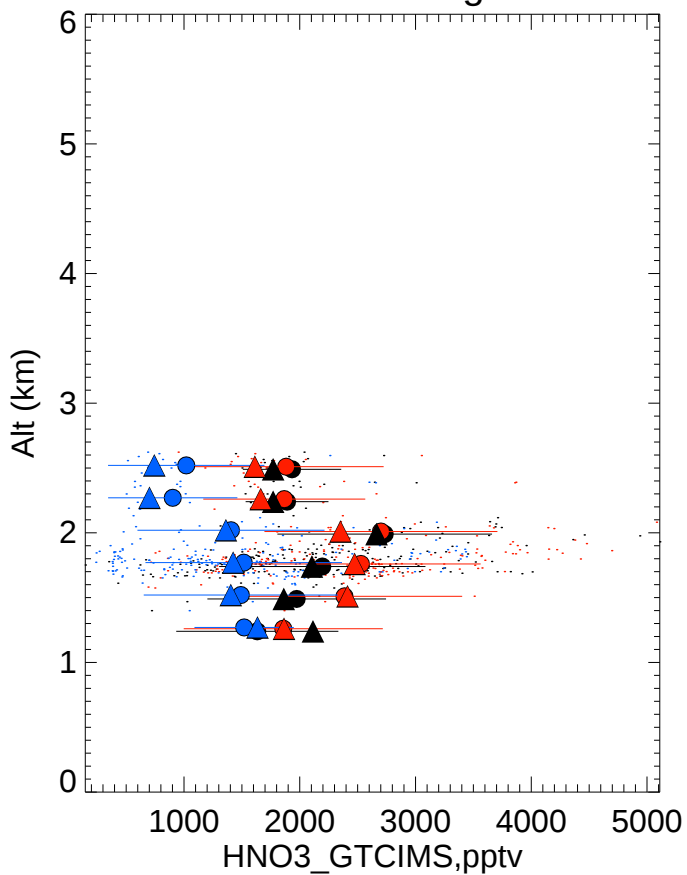
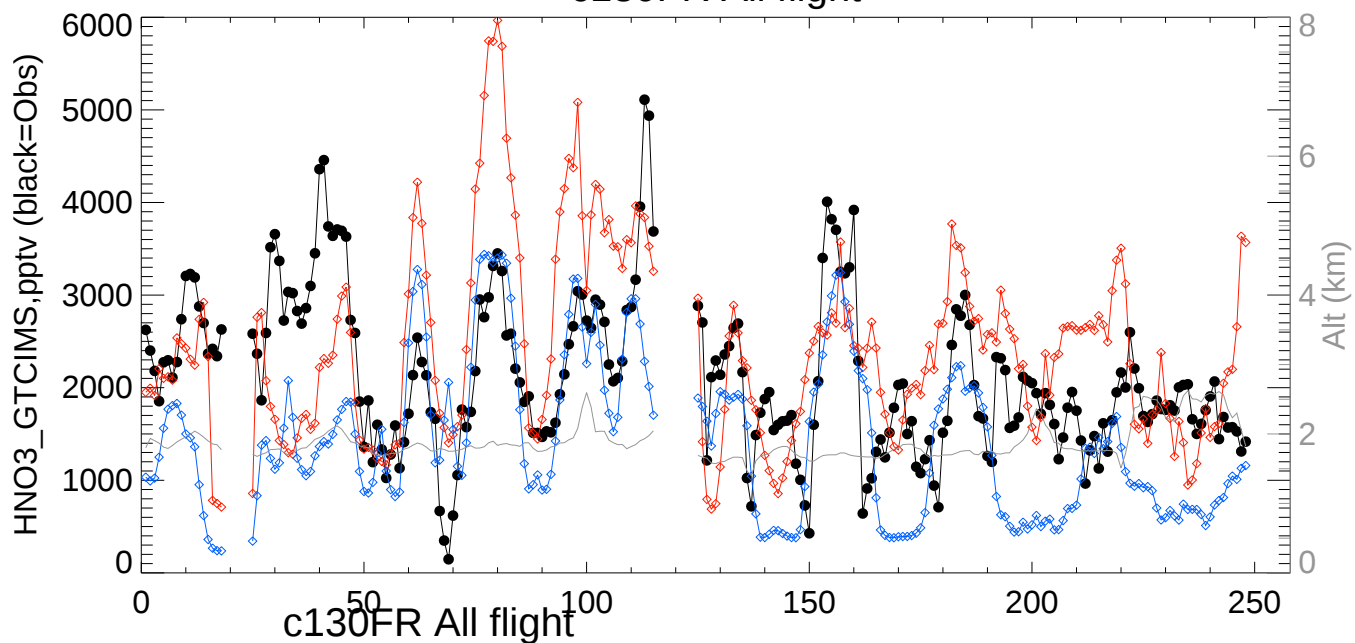


> 3 km

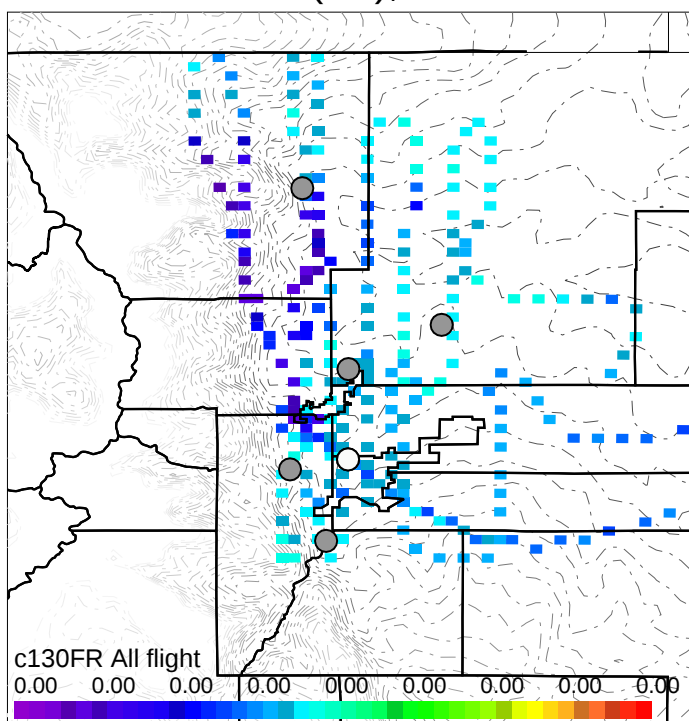


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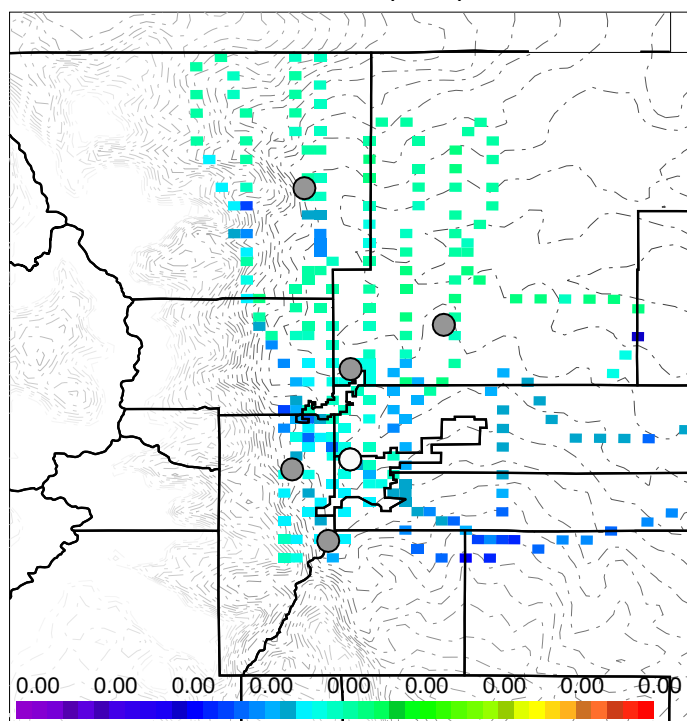
c130FR All flight



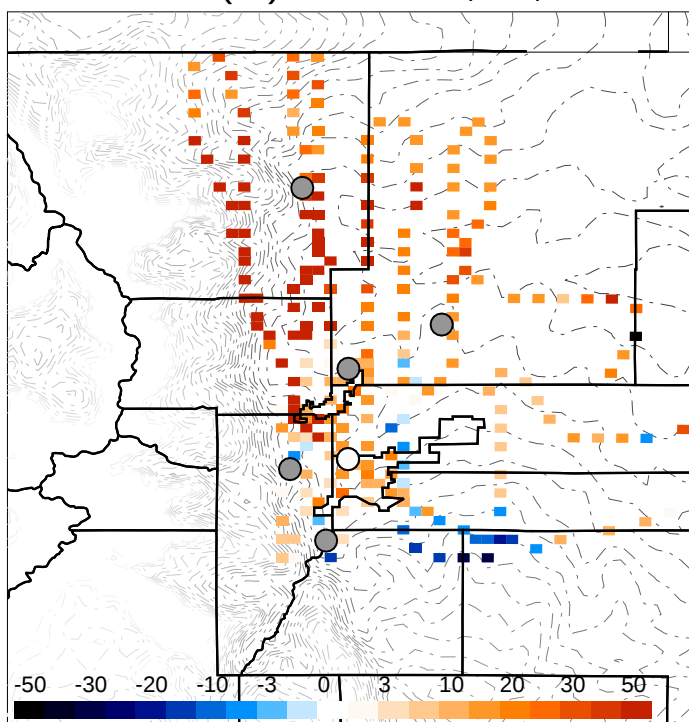
O3->O2+O(1D),s-1 < 3 km



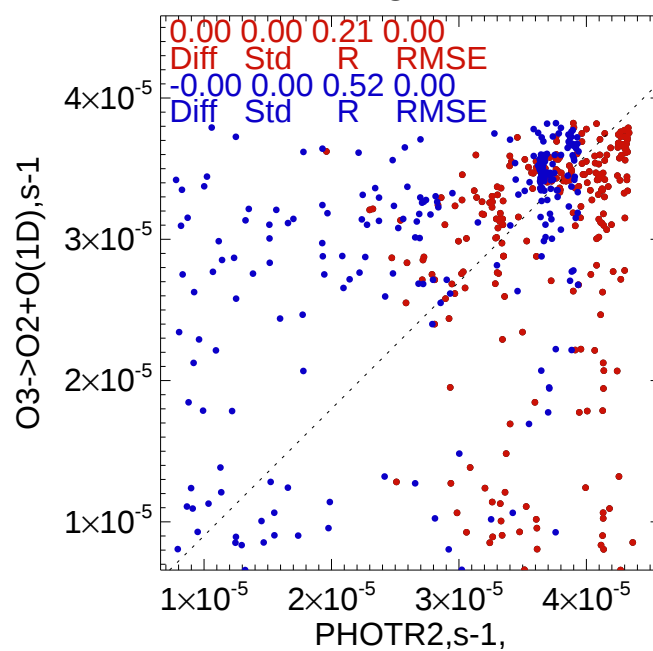
Model PHOTR2,s-1, < 3 km



Model-Obs(%) PHOTR2,s-1, < 3 km



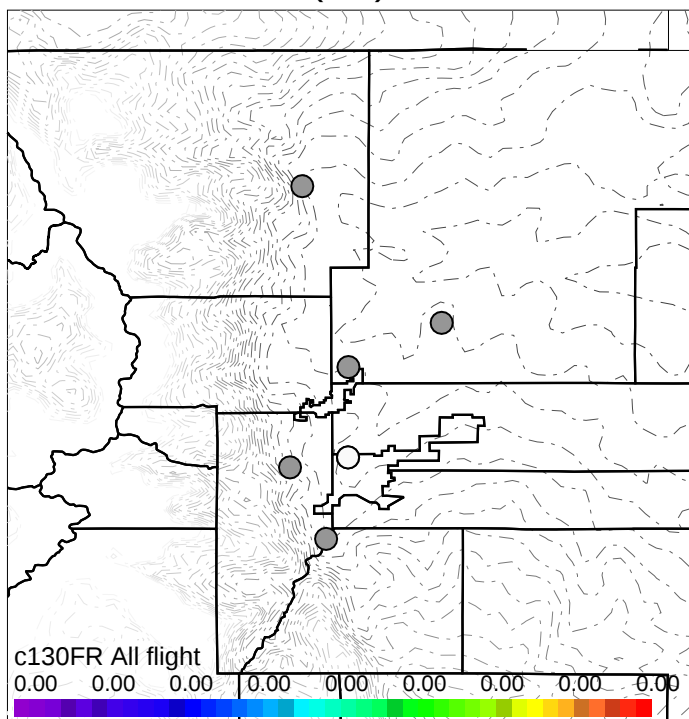
< 3 km



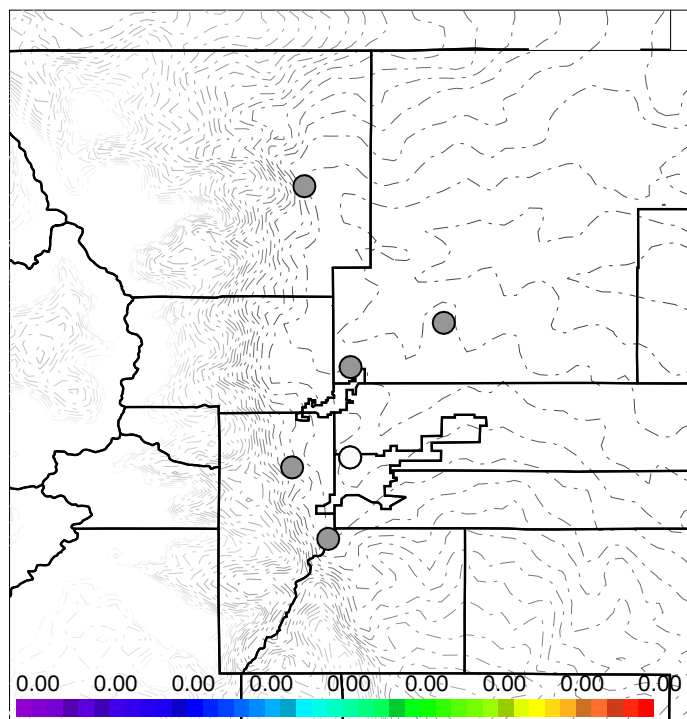
BTXv2ECMWFV4mozmozaic-

Ravan-

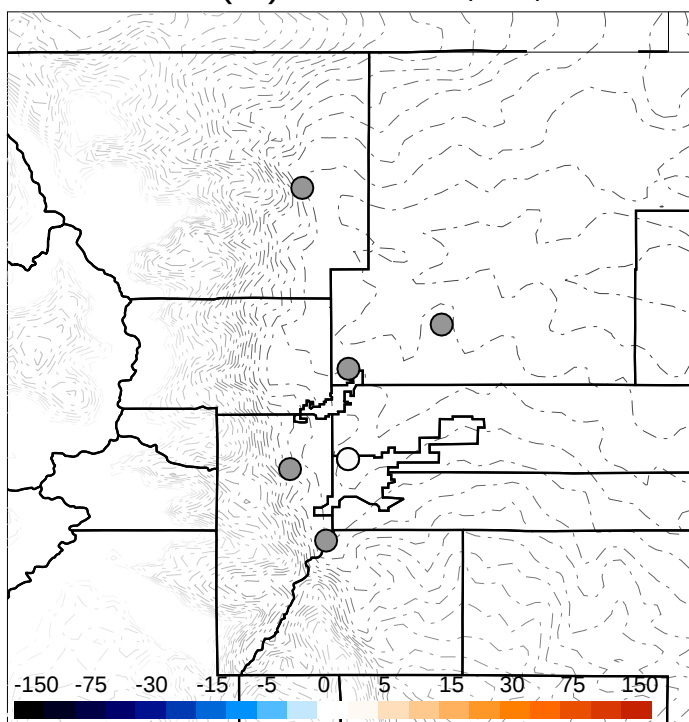
O3->O2+O(1D),s-1 > 3 km



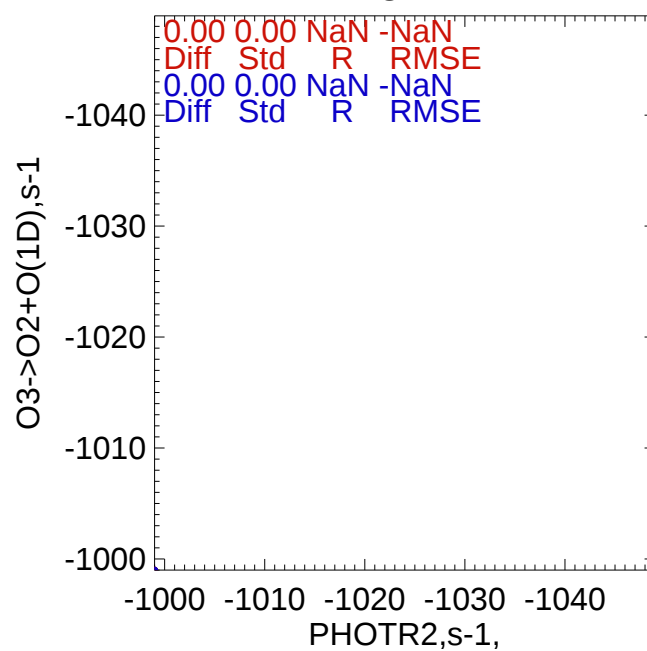
Model PHOTR2,s-1, > 3 km

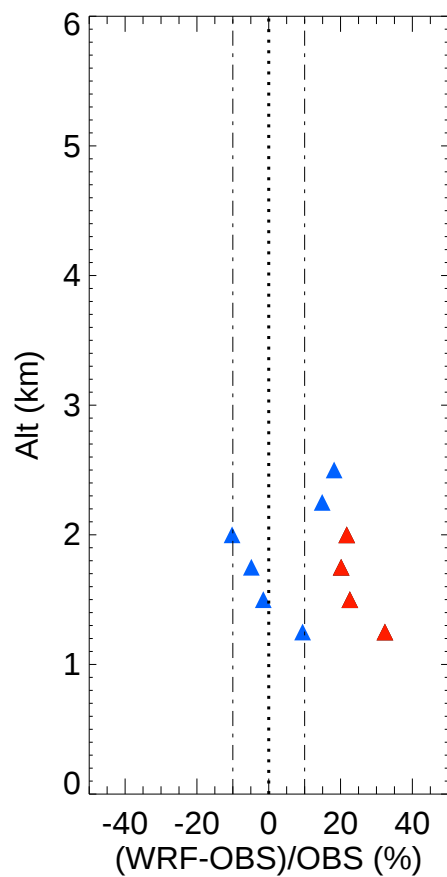
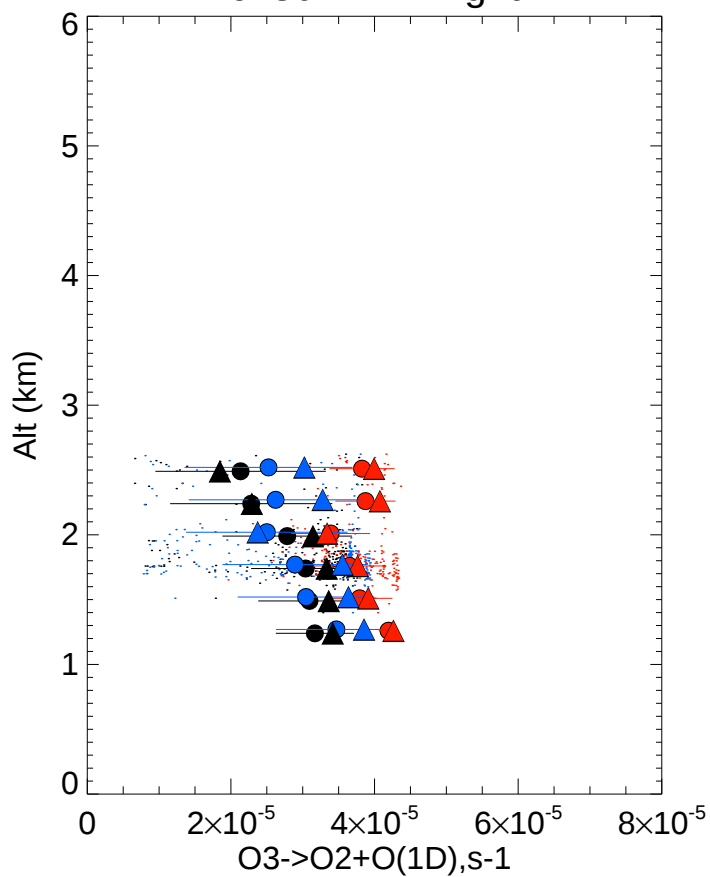
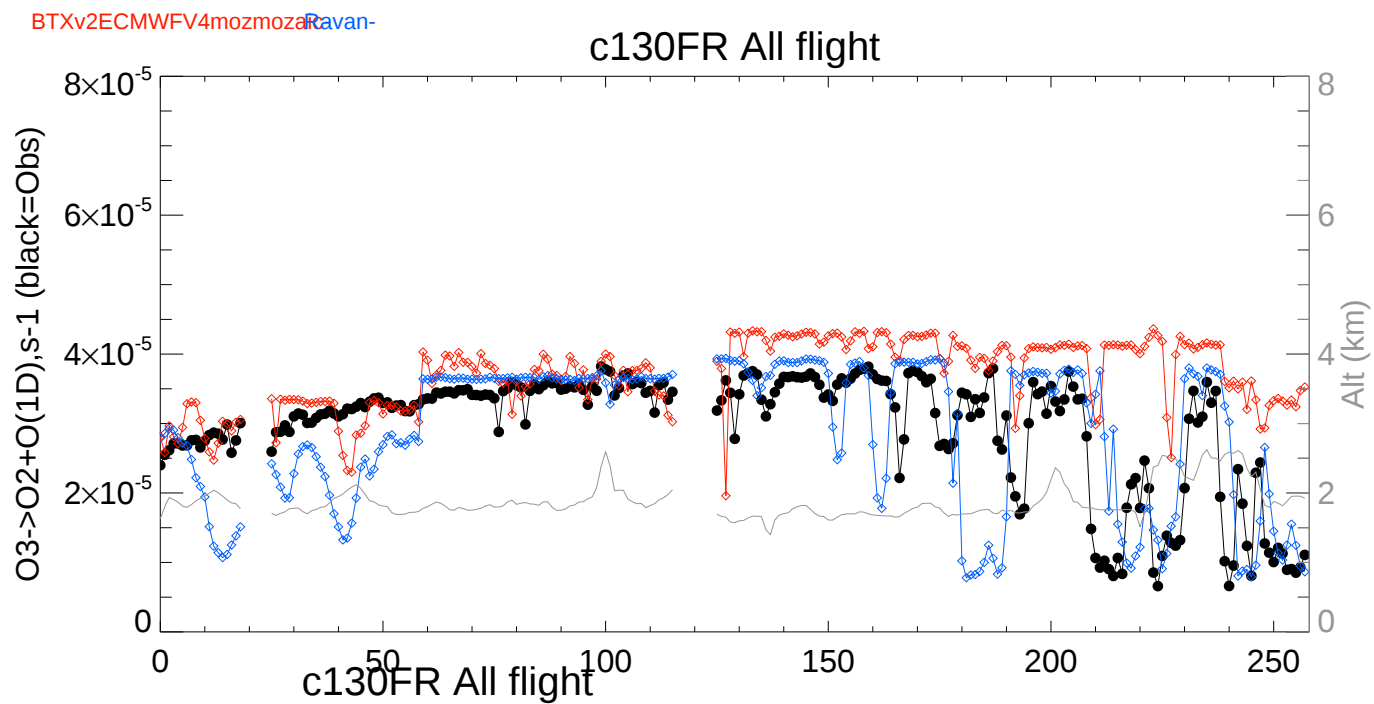


Model-Obs(%) PHOTR2,s-1, > 3 km

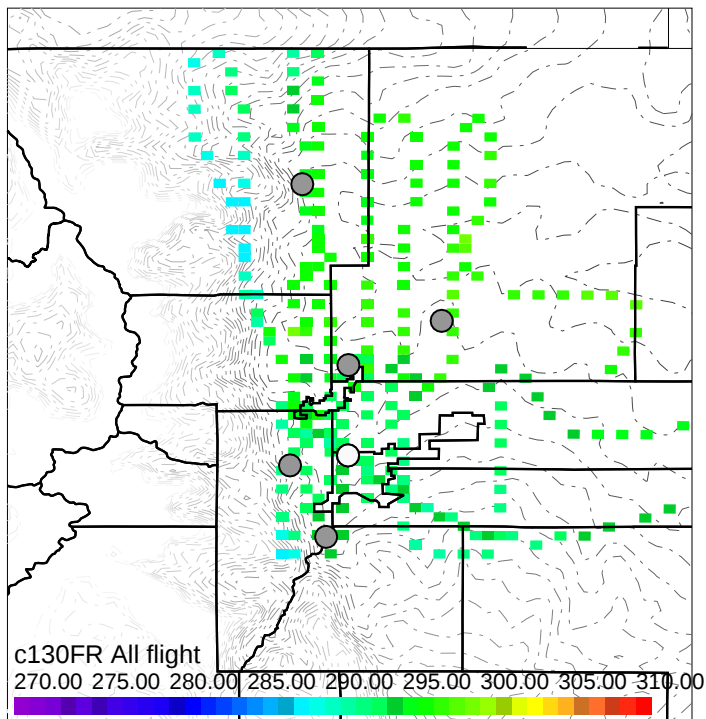


> 3 km

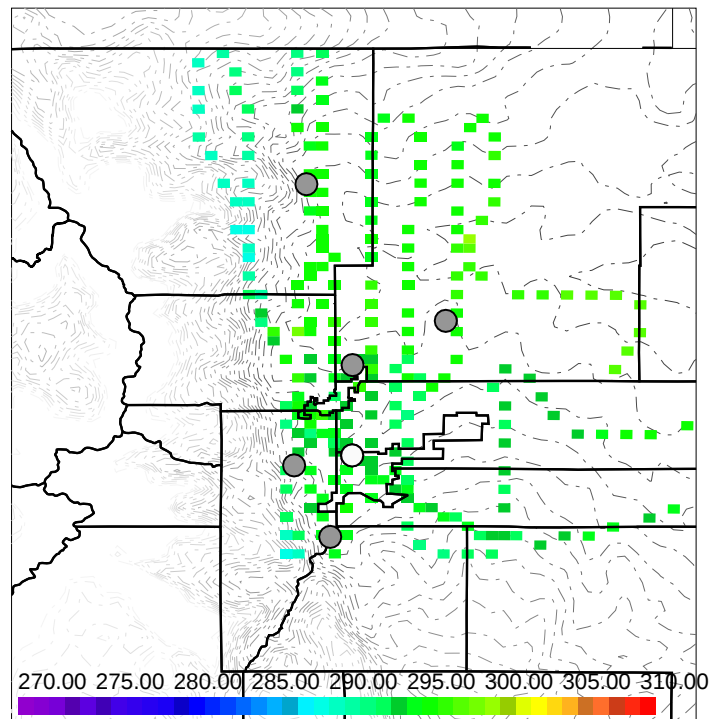




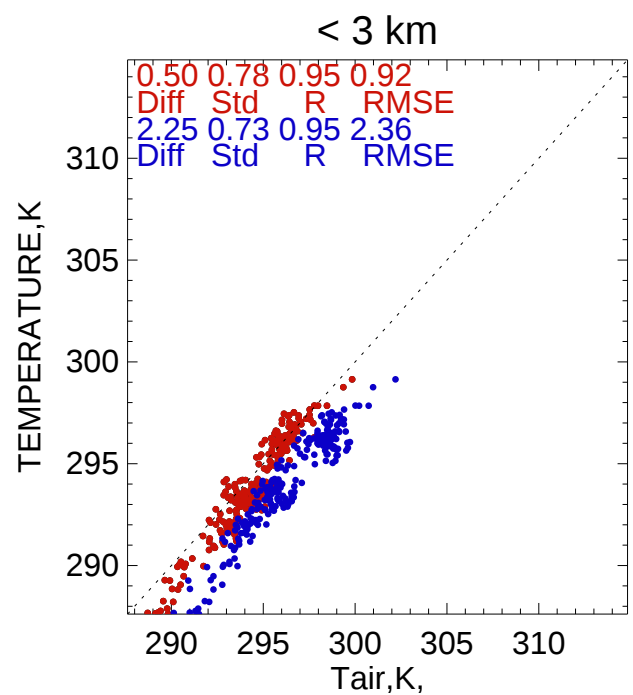
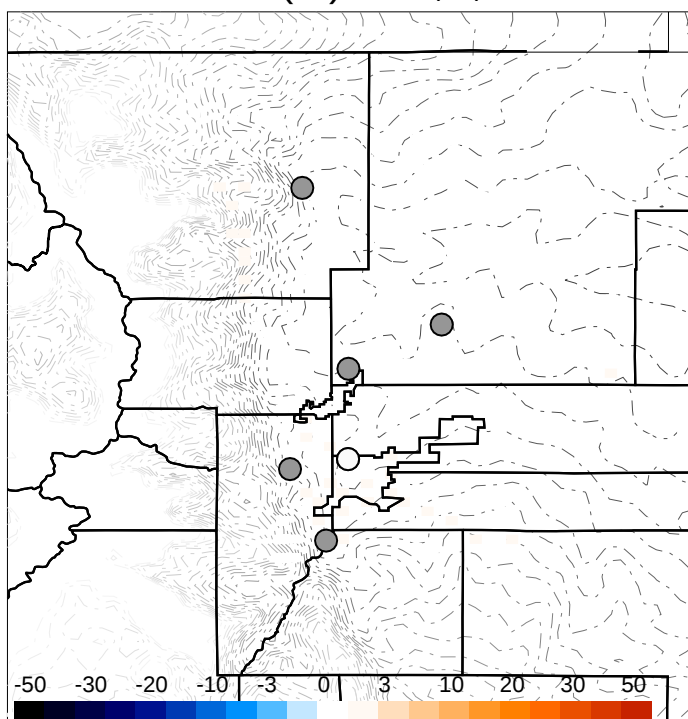
TEMPERATURE,K < 3 km



Model Tair,K, < 3 km



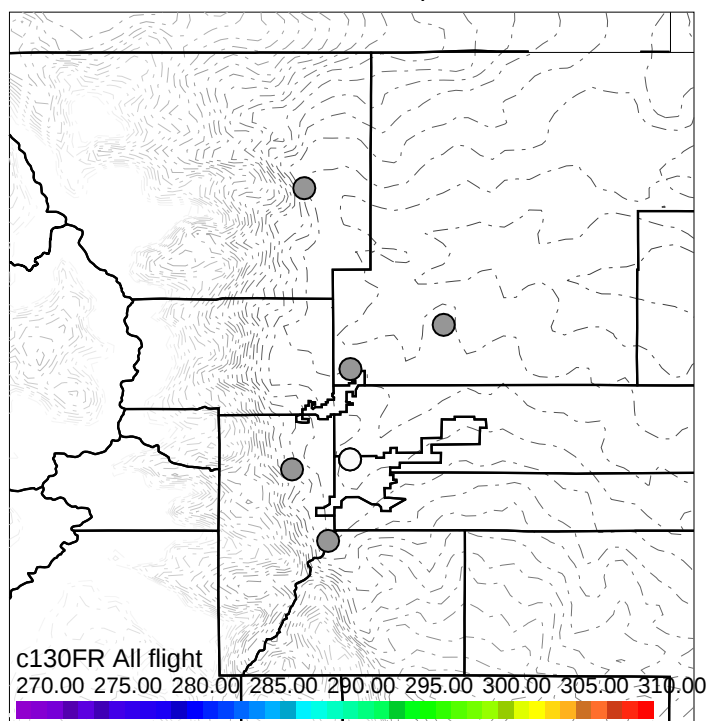
Model-Obs(%) Tair,K, < 3 km



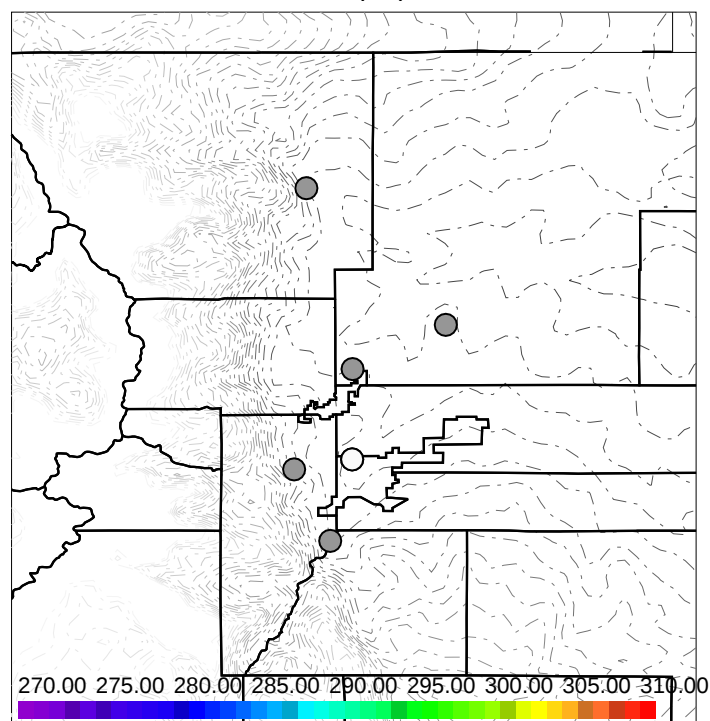
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Ravan-

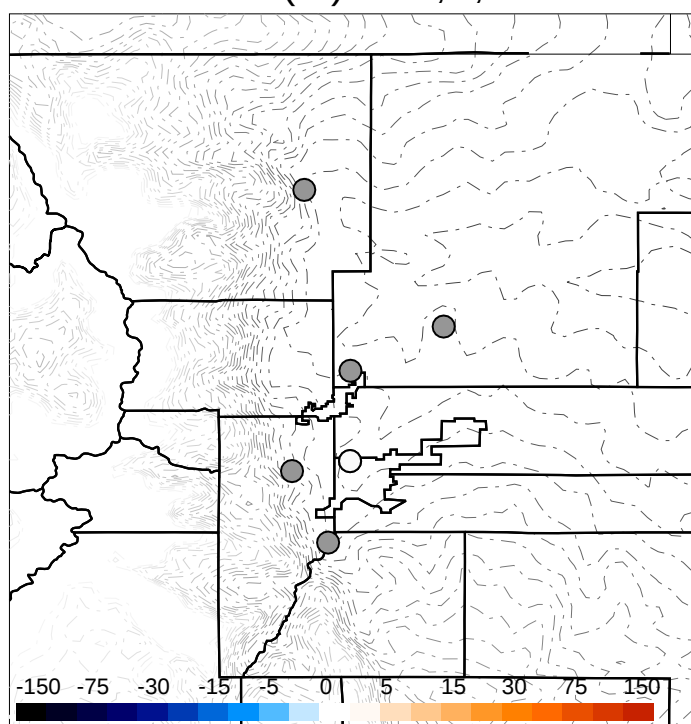
TEMPERATURE,K > 3 km



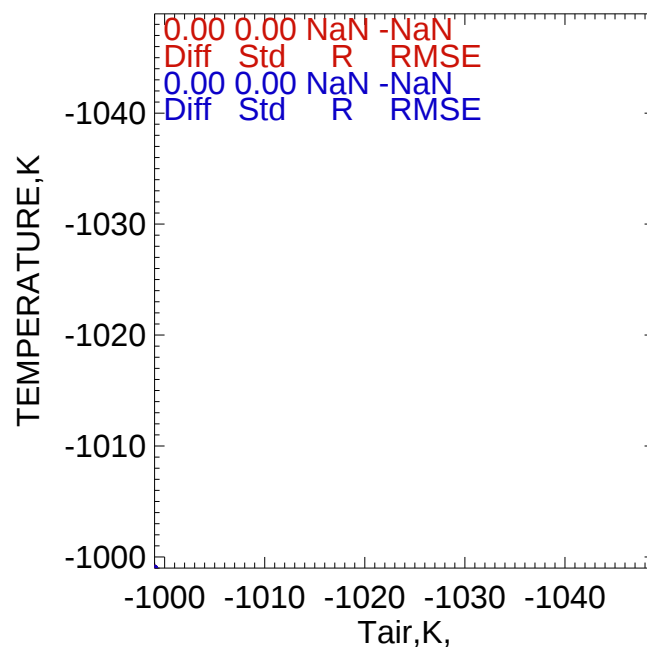
Model Tair,K, > 3 km



Model-Obs(%) Tair,K, > 3 km



> 3 km



BTXv2ECMWFV4mozmozaRavan-

c130FR All flight

