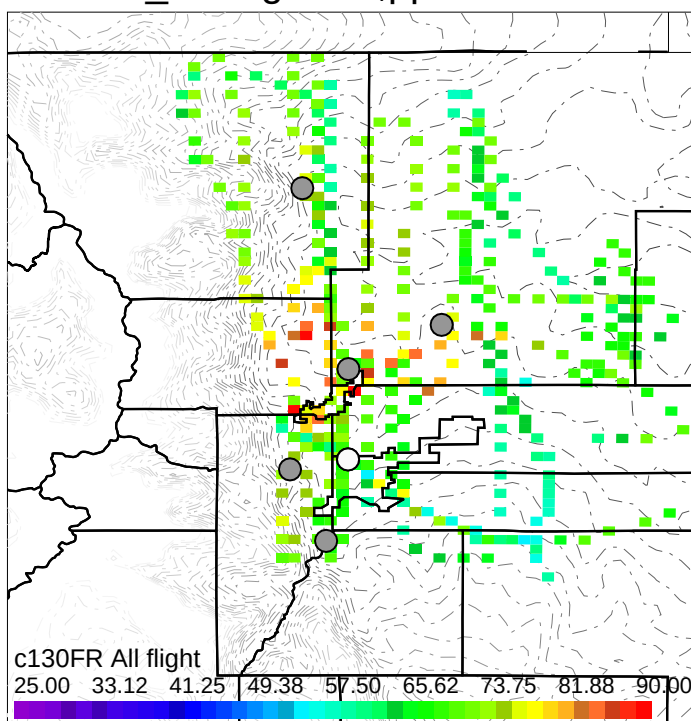
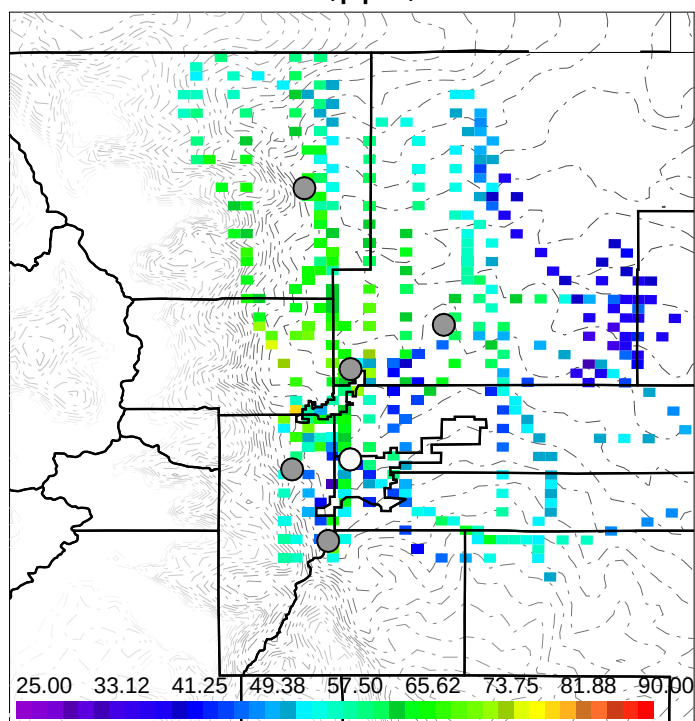


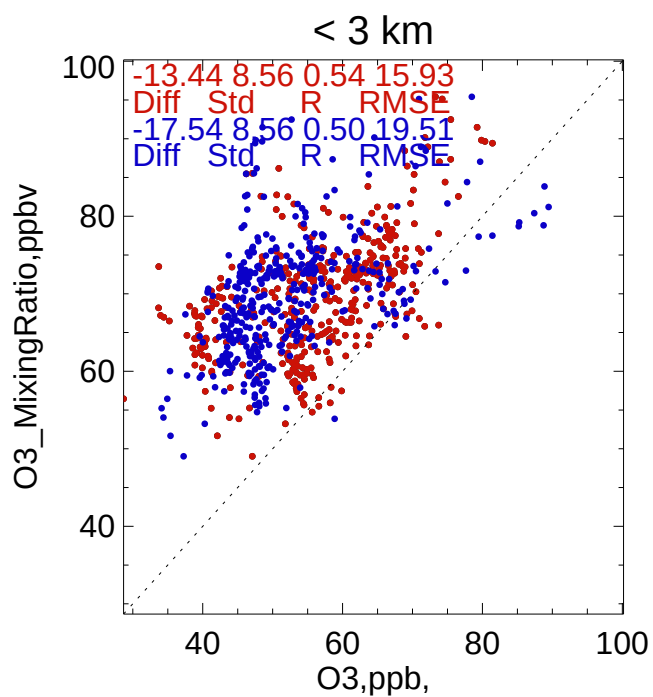
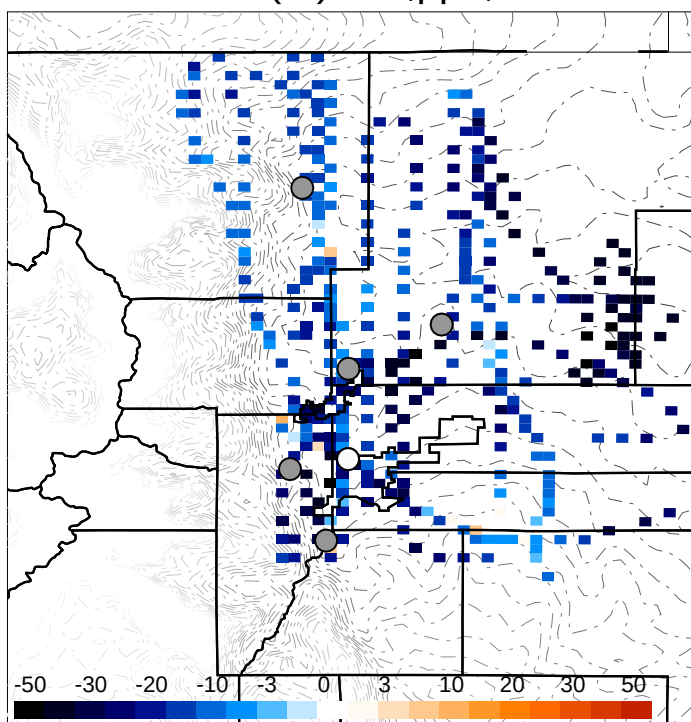
O3_MixingRatio,ppbv < 3 km



Model O3,ppb, < 3 km



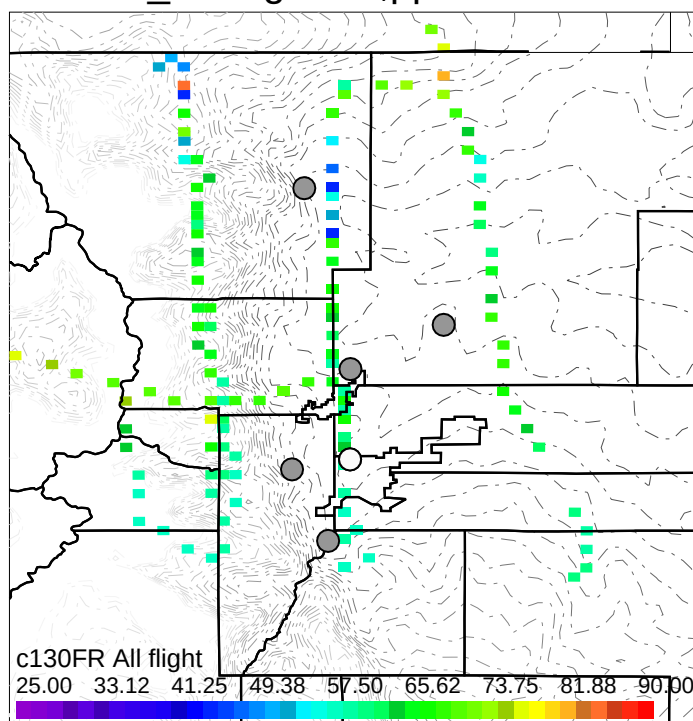
Model-Obs(%) O3,ppb, < 3 km



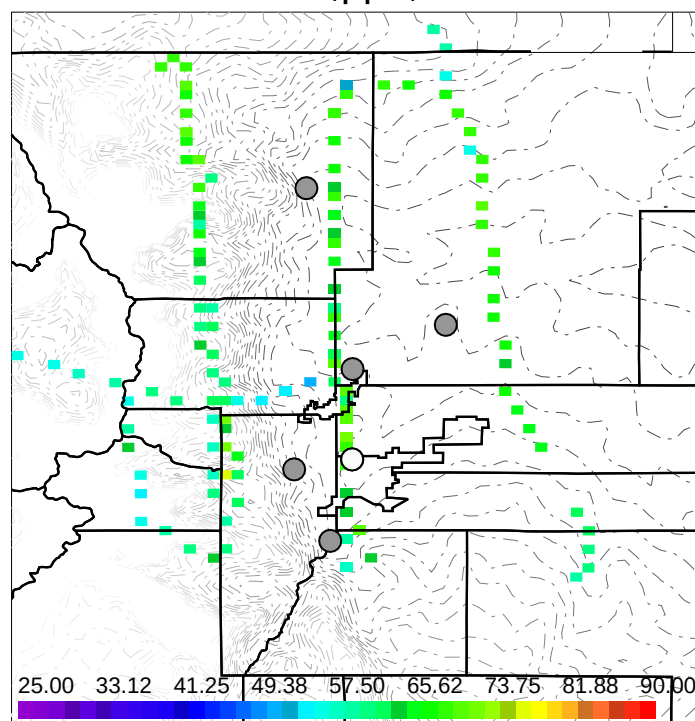
BTXv2ECMWFV4mozmozaic-

Ravan-

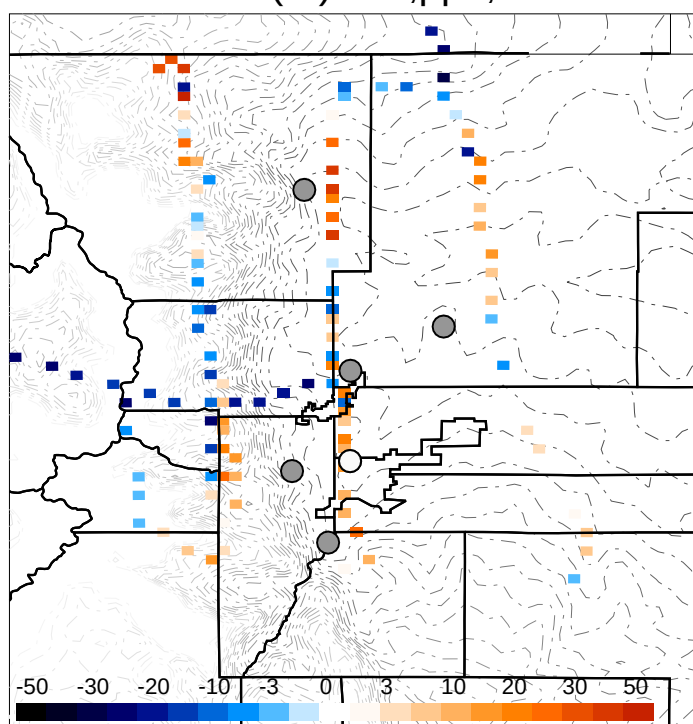
O3_MixingRatio,ppbv > 3 km



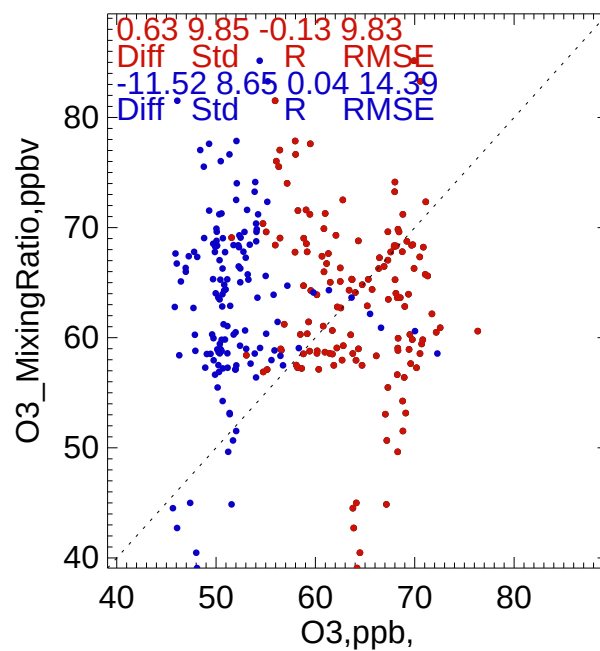
Model O3,ppb, > 3 km



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



> 3 km

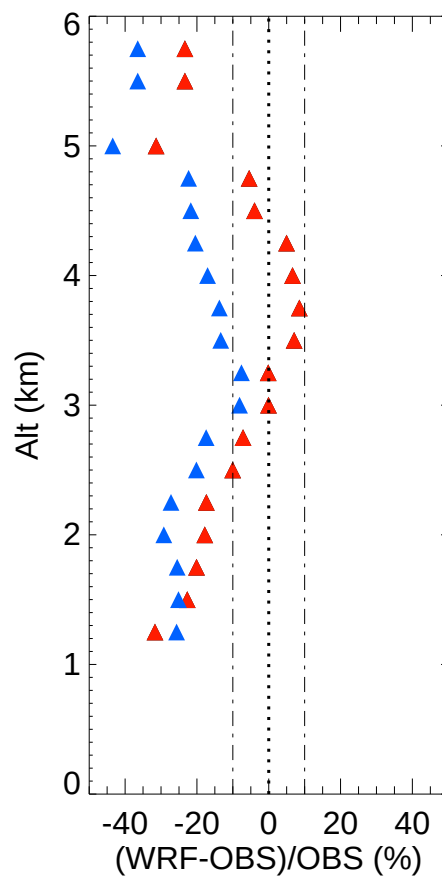
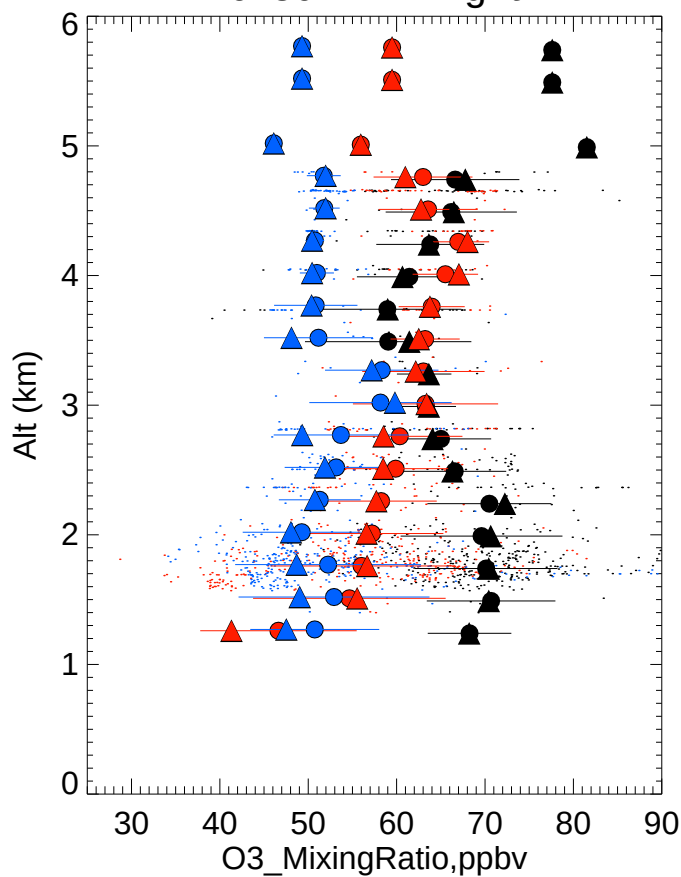
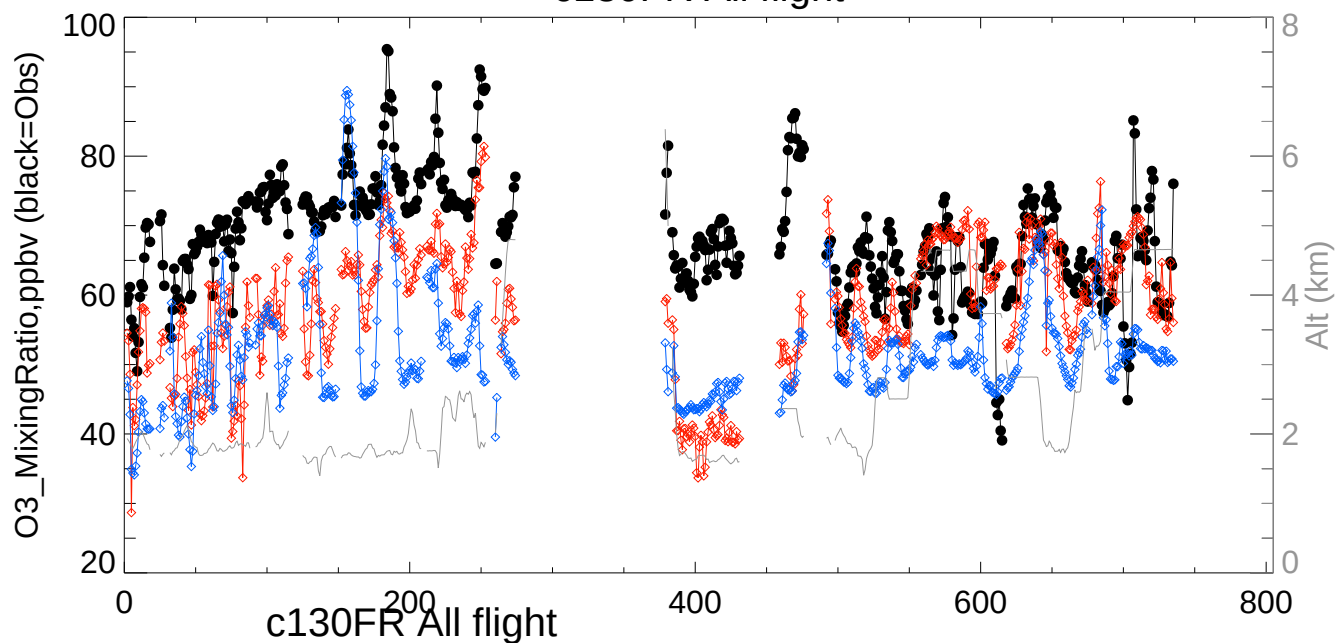


BTXv2ECMWFV4mozmozaic-

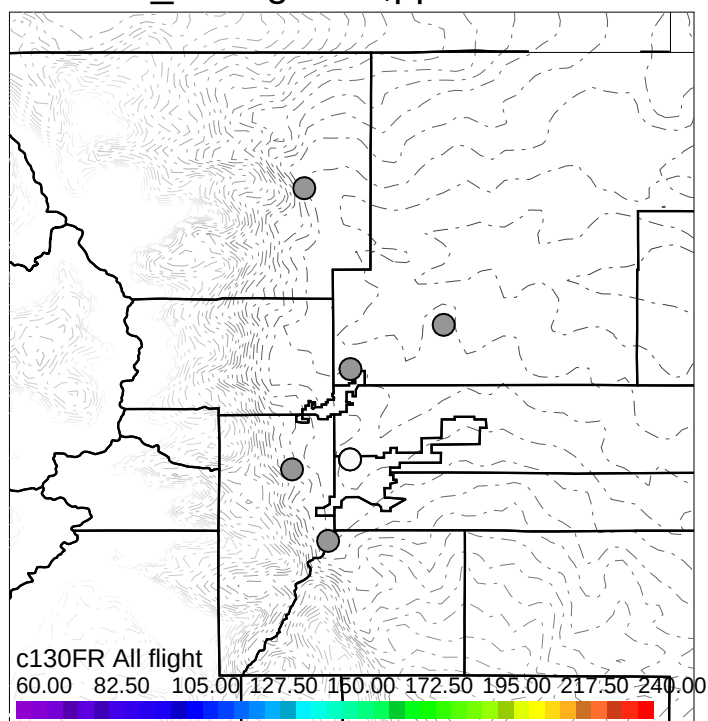
Ravan-

BTXv2ECMWFV4mozmozaravan-

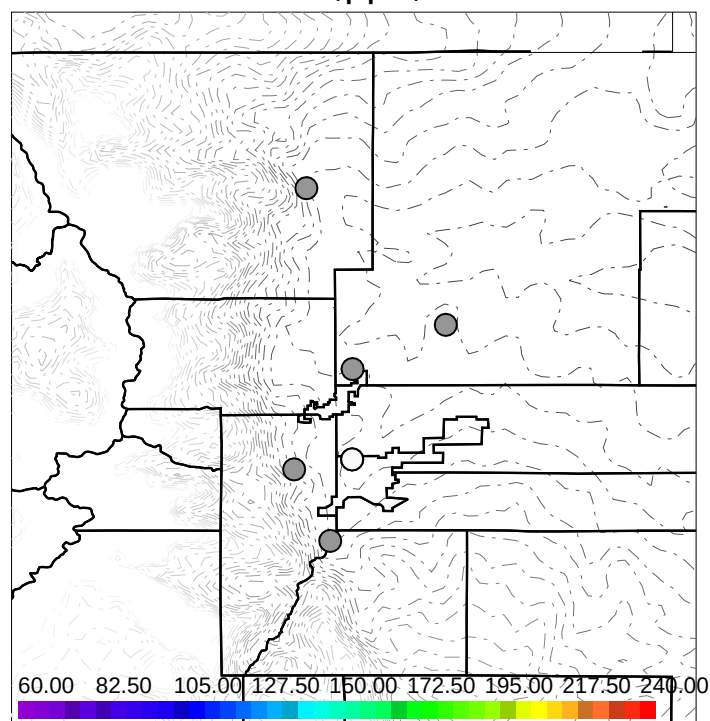
c130FR All flight



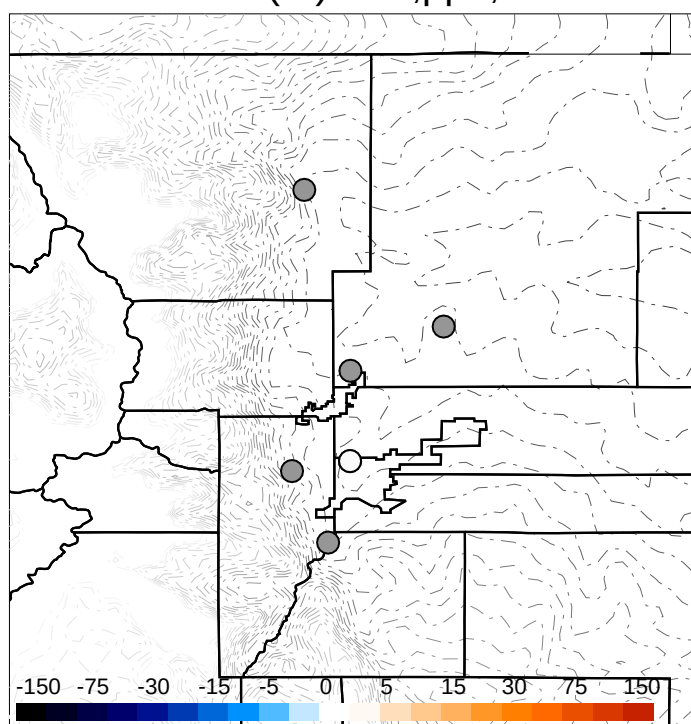
CO_MixingRatio,ppbv < 3 km



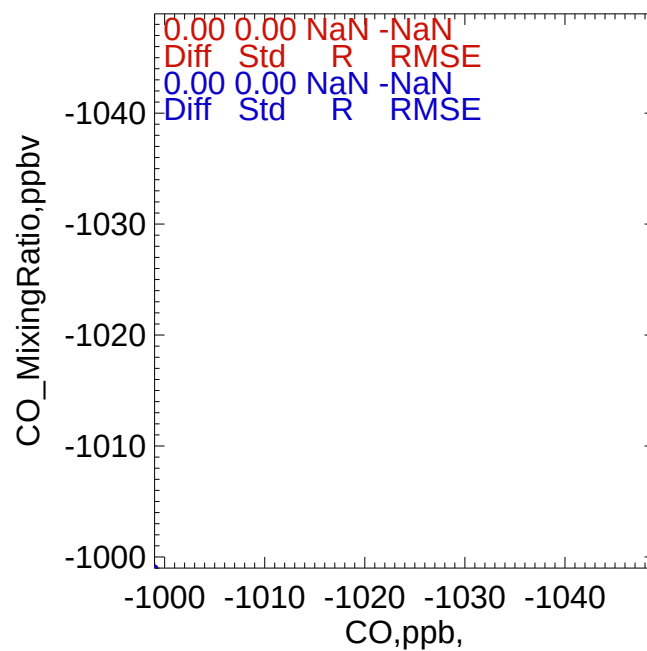
Model CO,ppb, < 3 km



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



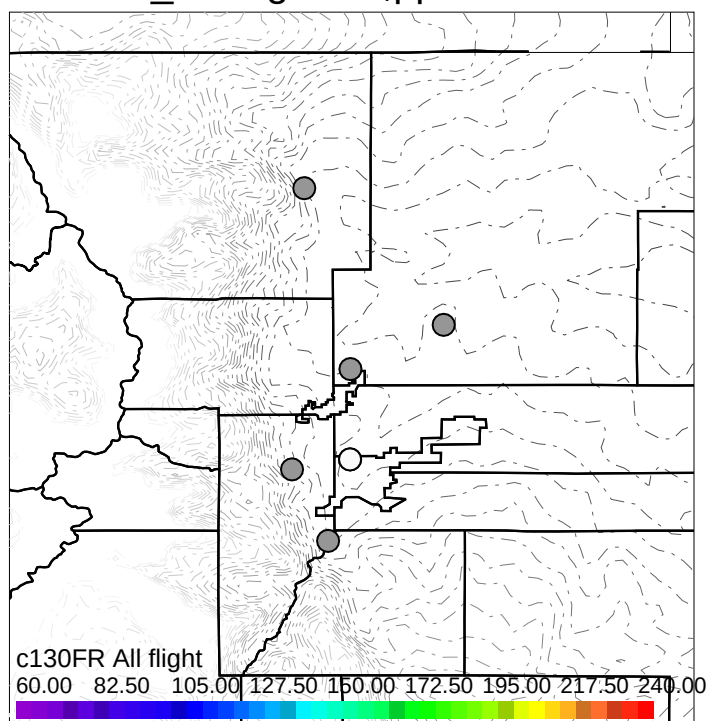
< 3 km



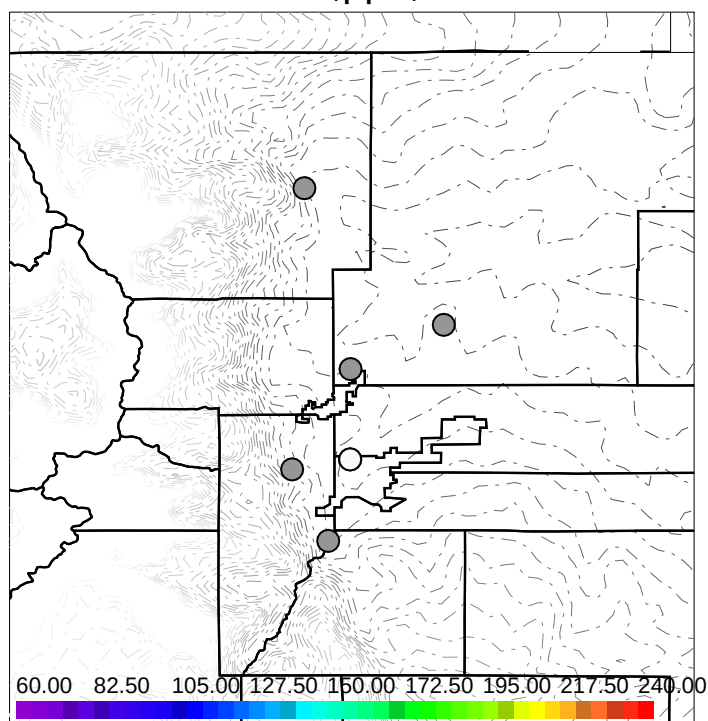
BTXv2ECMWFV4mozmozaic-

Ravan-

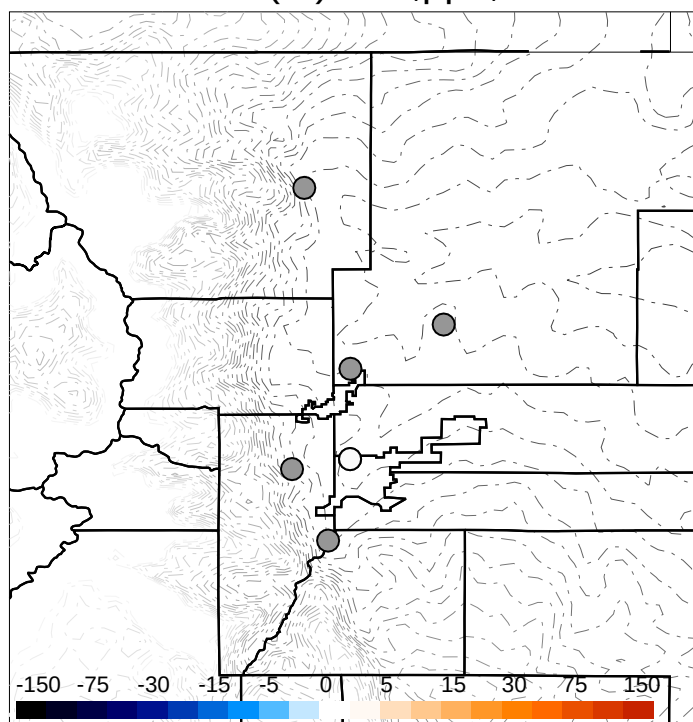
CO_MixingRatio,ppbv > 3 km



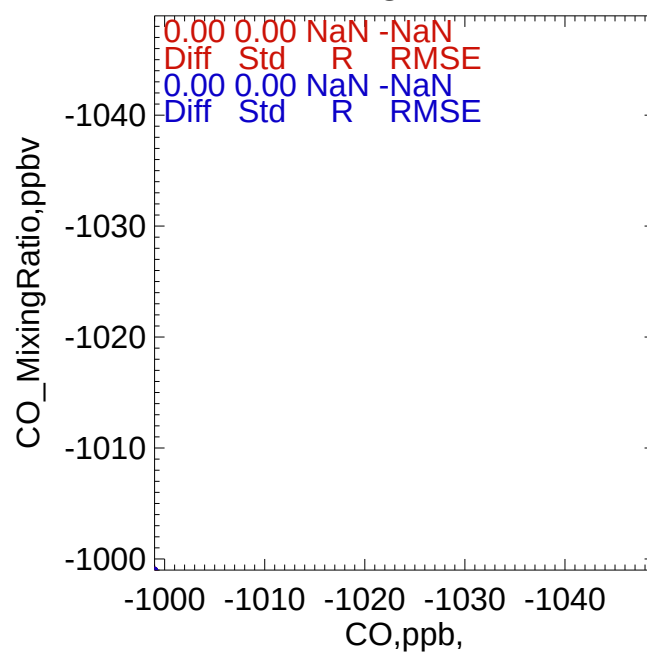
Model CO,ppb, > 3 km



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

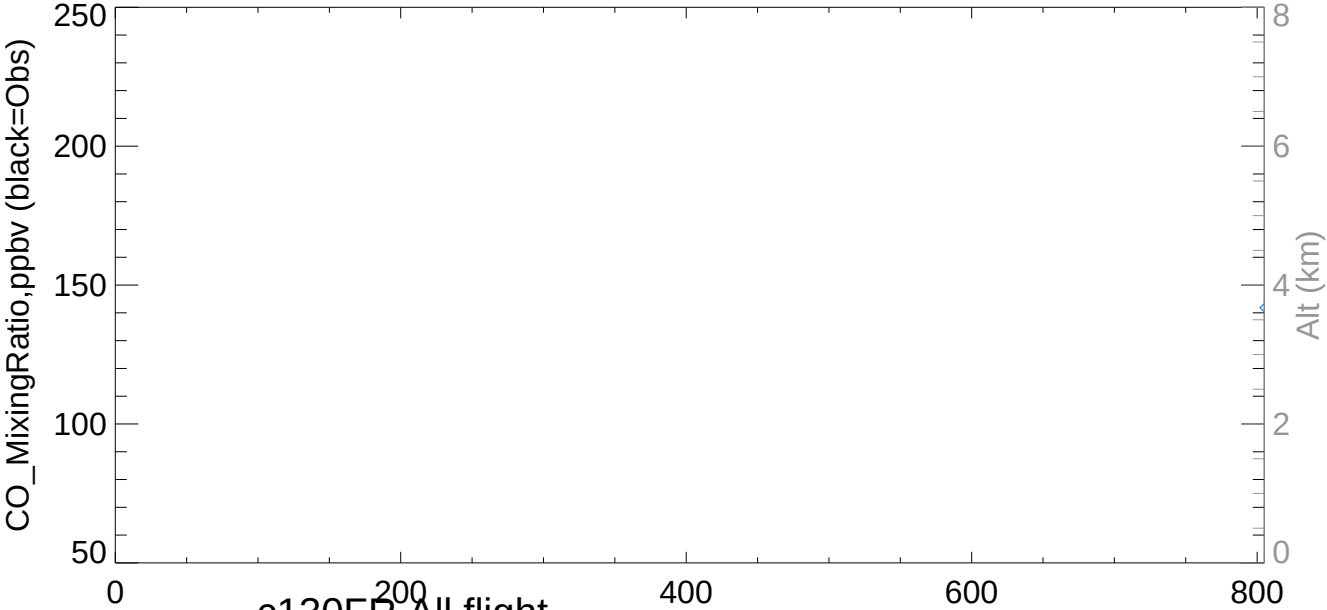


> 3 km

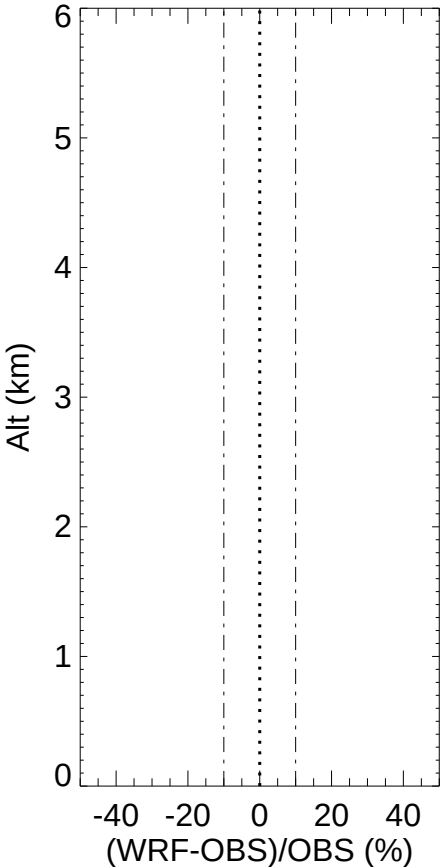
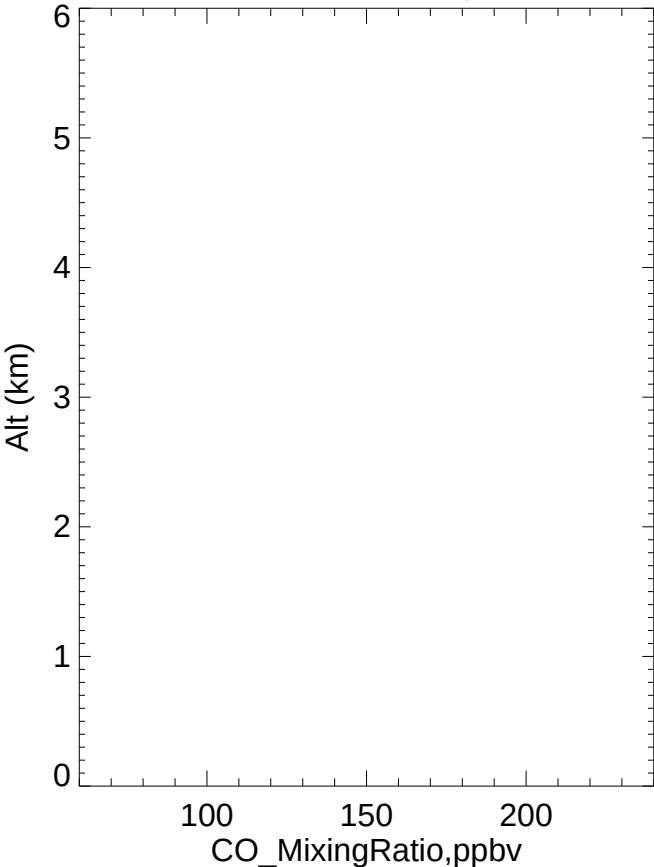


BTXv2ECMWFV4mozmozaravan-

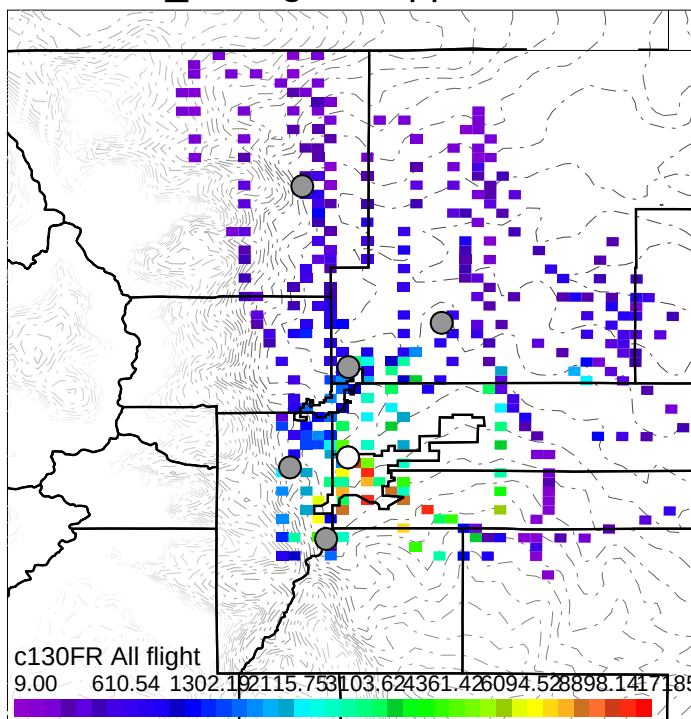
c130FR All flight



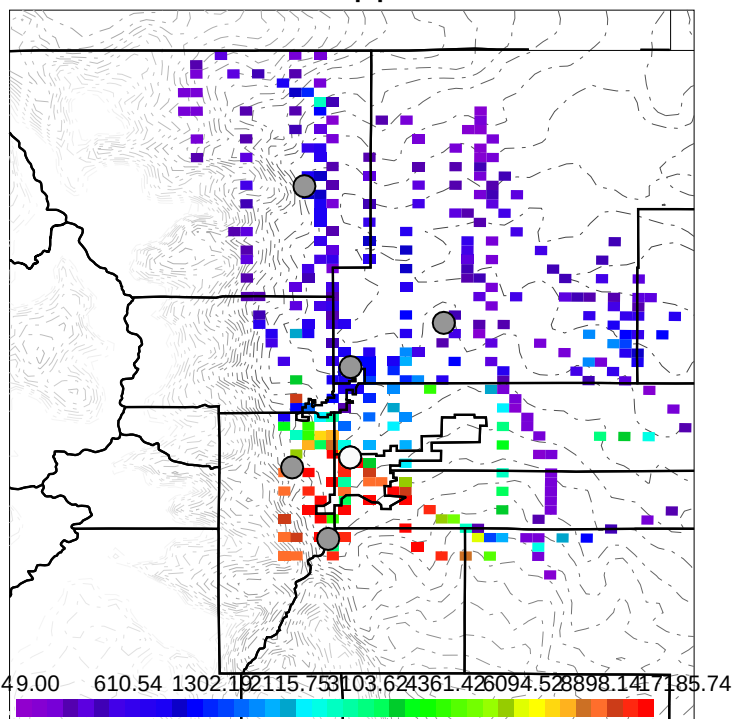
c130FR All flight



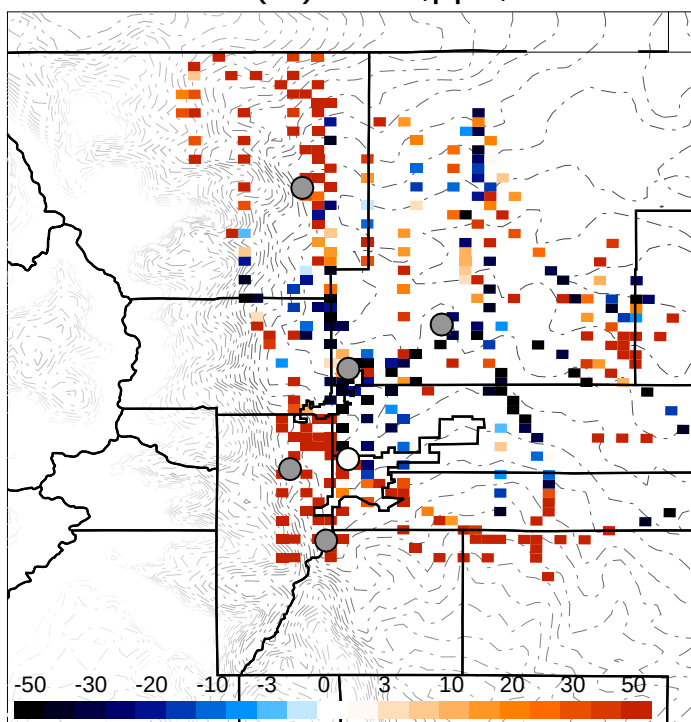
NO2_MixingRatio,pptv < 3 km



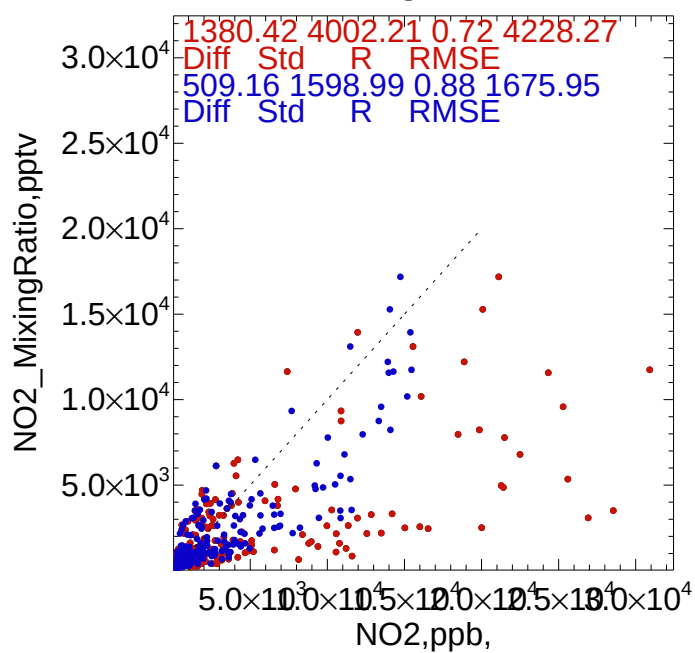
Model NO2,ppb, < 3 km



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



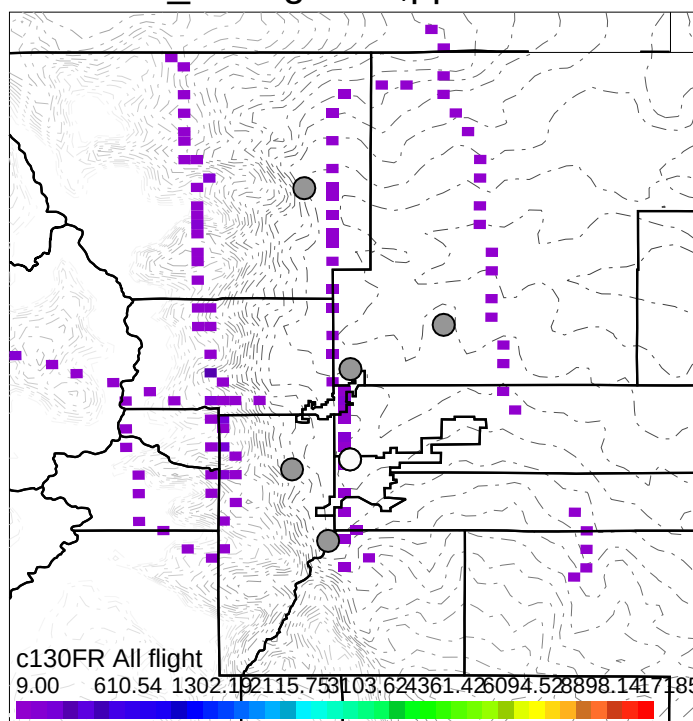
< 3 km



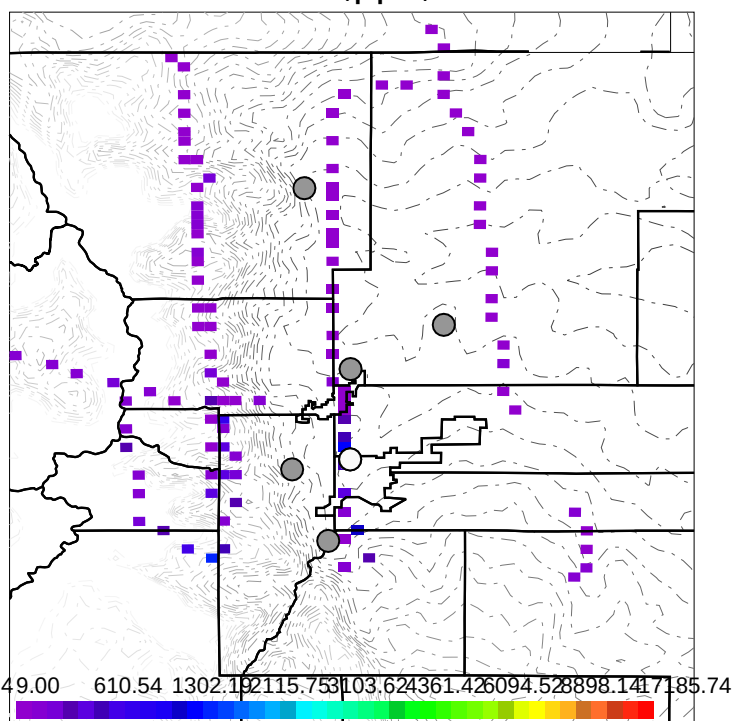
BTXv2ECMWFV4mozmozaic-

Ravan-

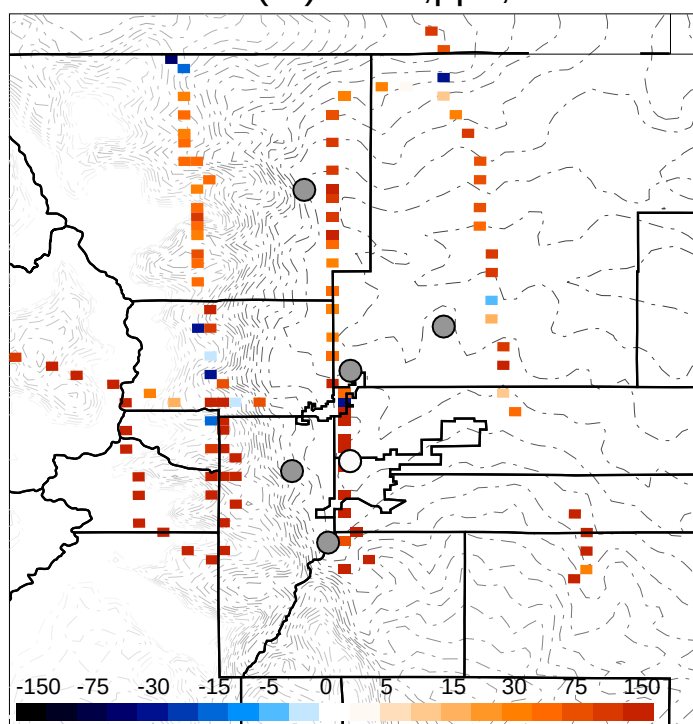
NO2_MixingRatio,pptv > 3 km



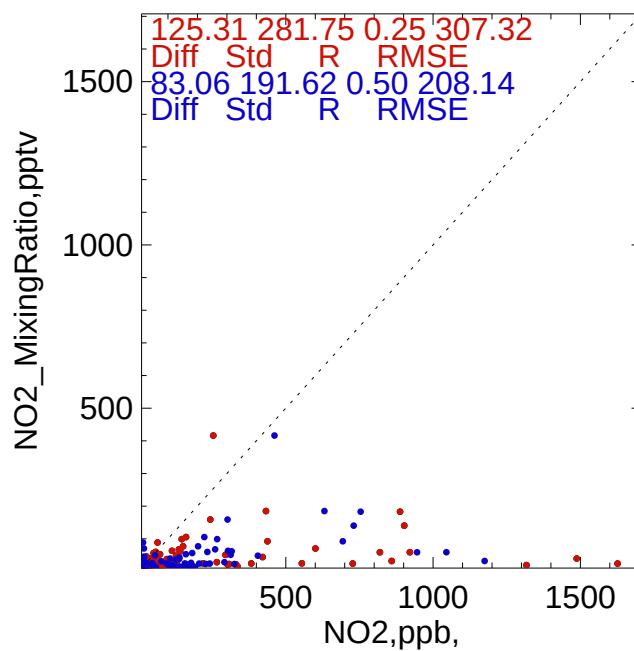
Model NO2,ppb, > 3 km



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



> 3 km

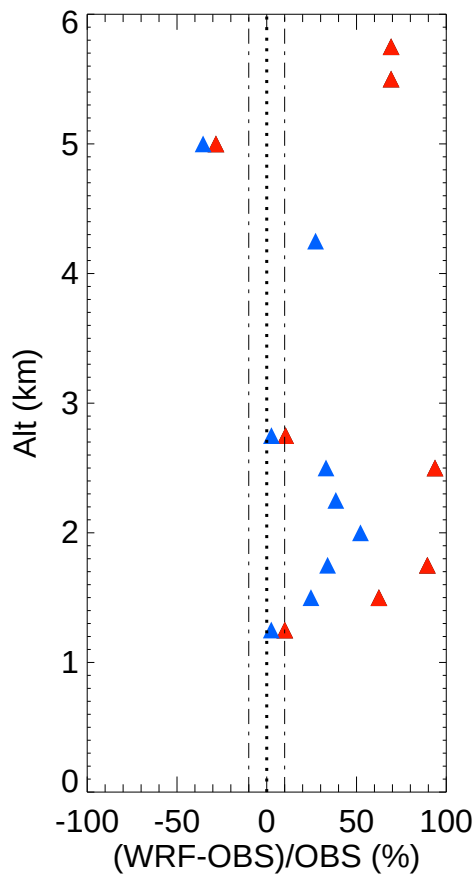
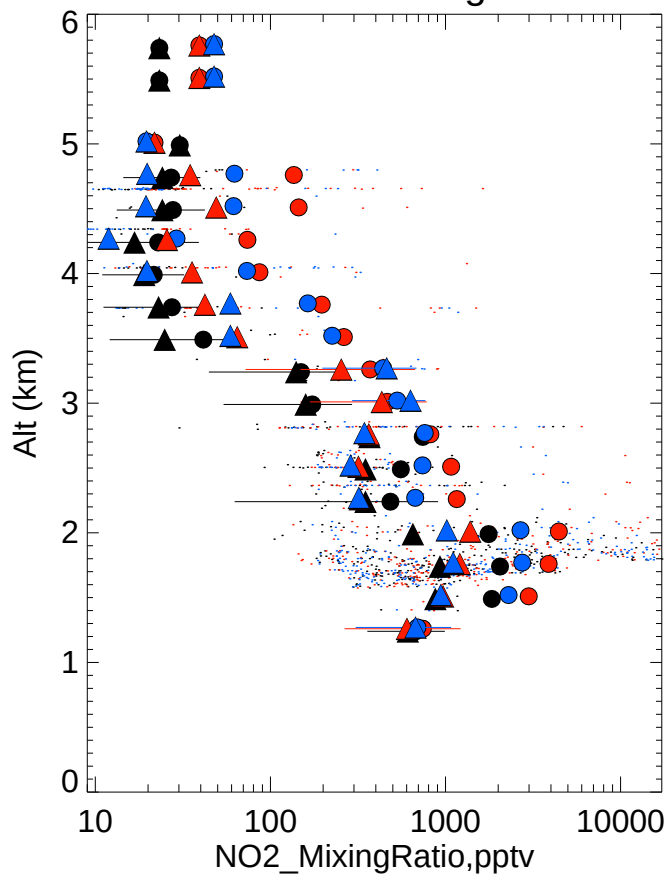
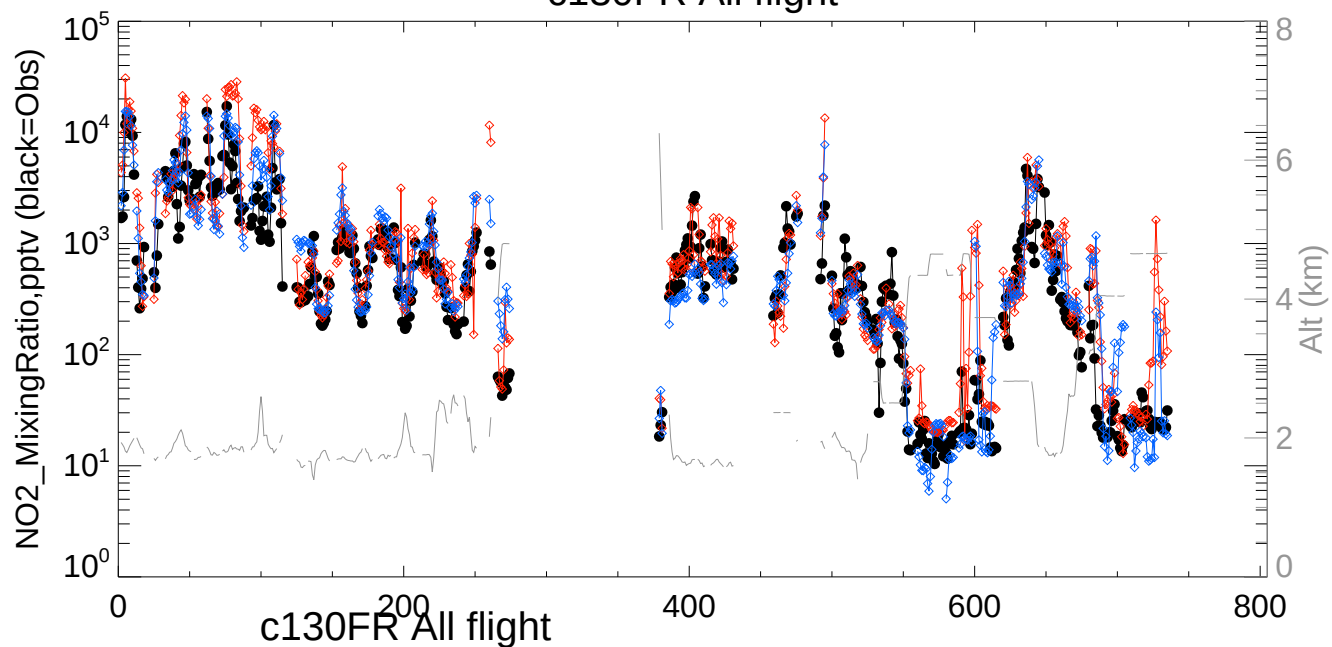


BTXv2ECMWFV4mozmozaic-

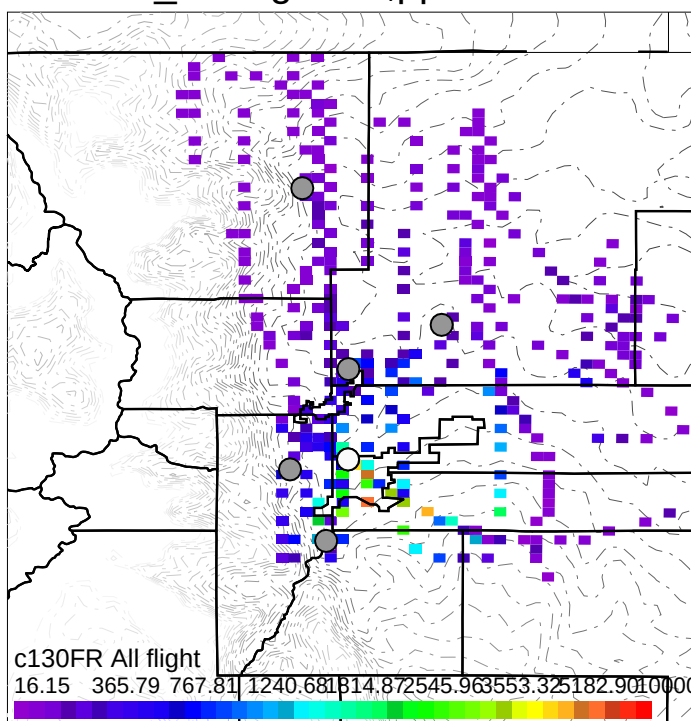
Ravan-

BTXv2ECMWFV4mozmozaRavan-

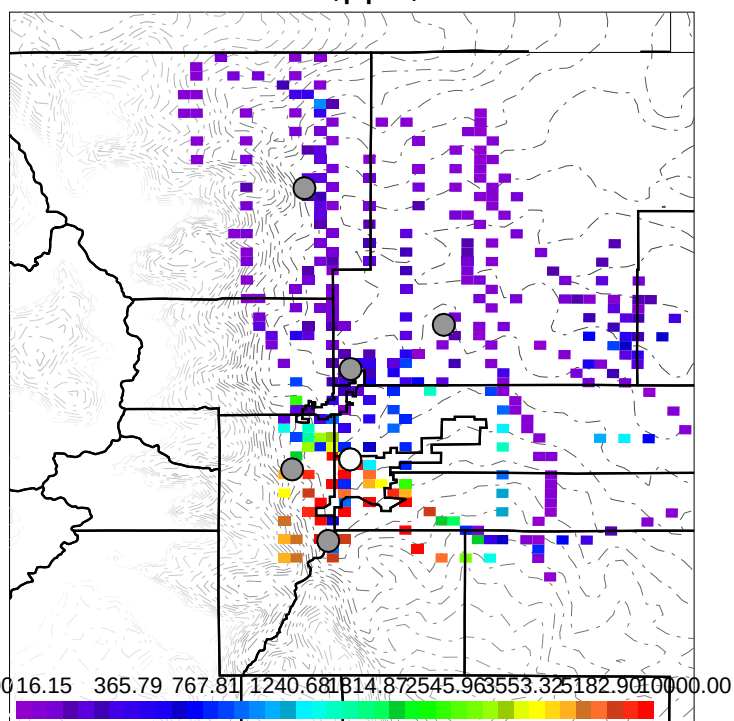
c130FR All flight



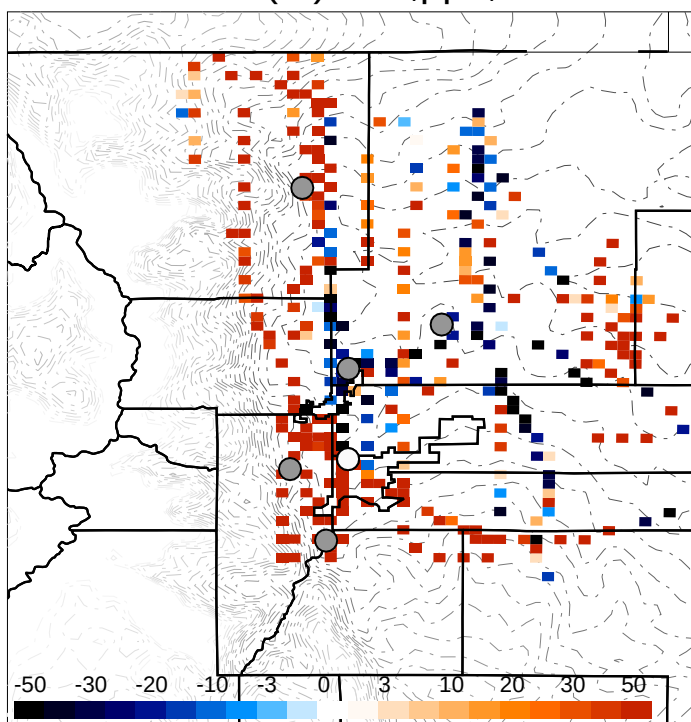
NO_MixingRatio,pptv < 3 km



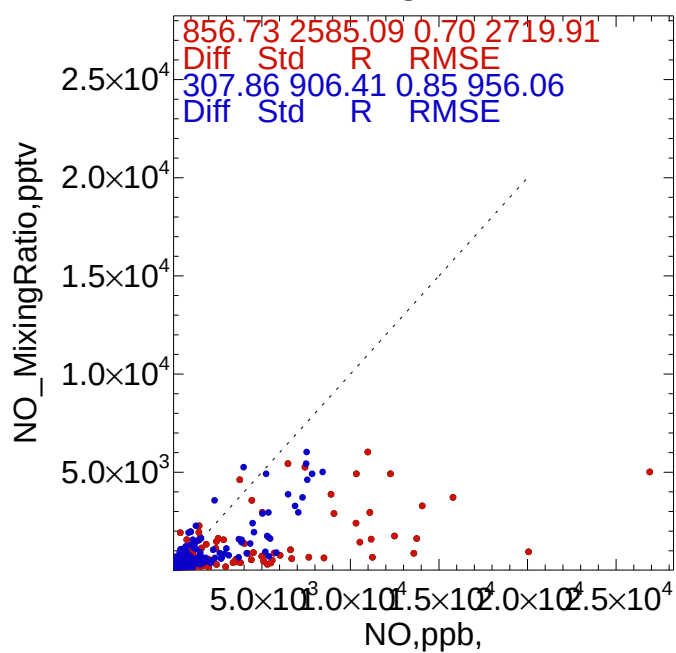
Model NO,ppb, < 3 km



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



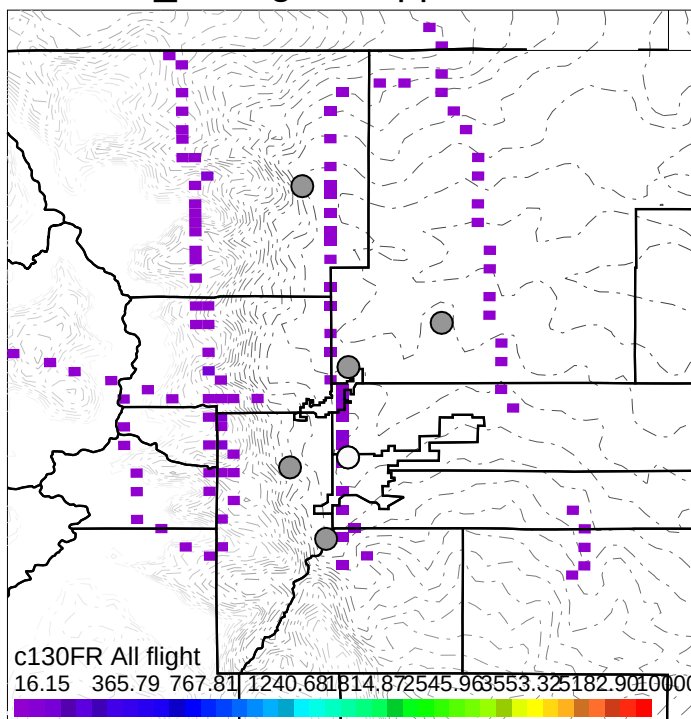
< 3 km



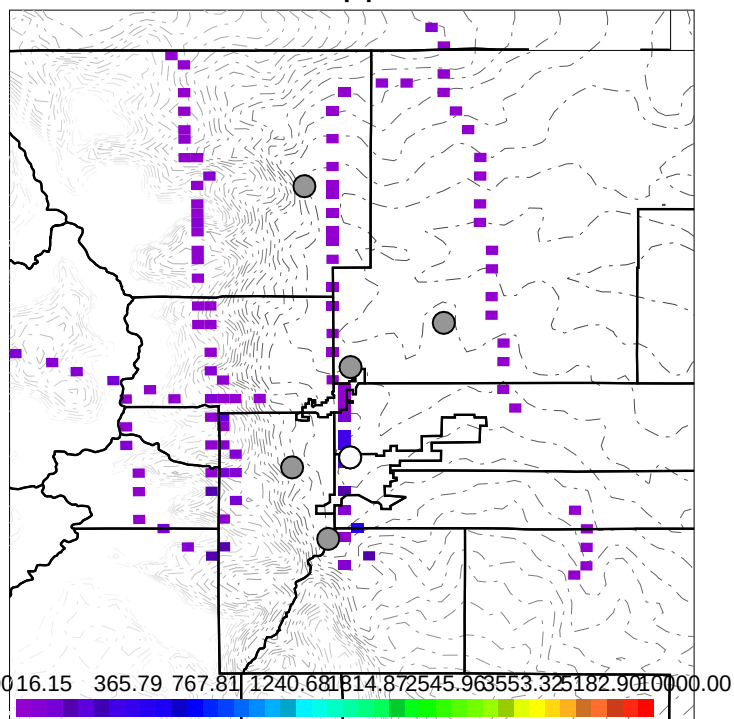
BTXv2ECMWFV4mozmozaic-

Ravan-

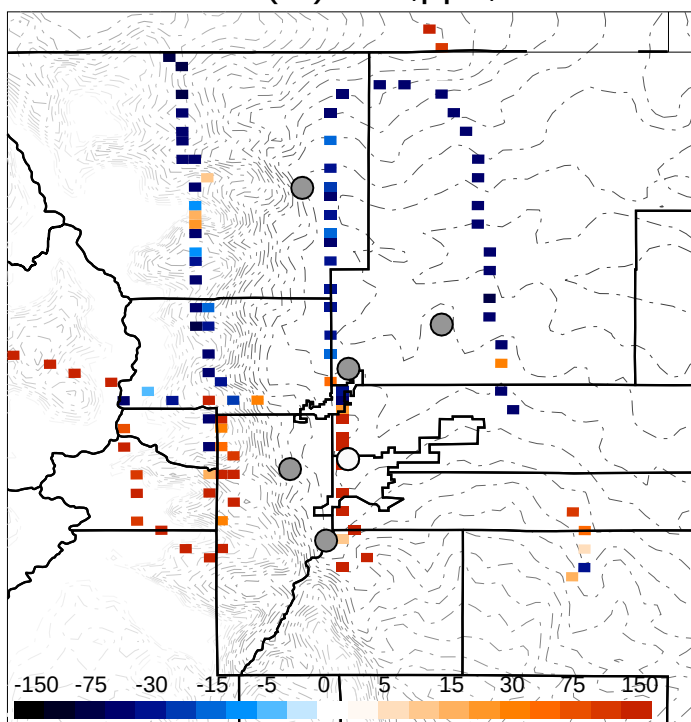
NO_MixingRatio,pptv > 3 km



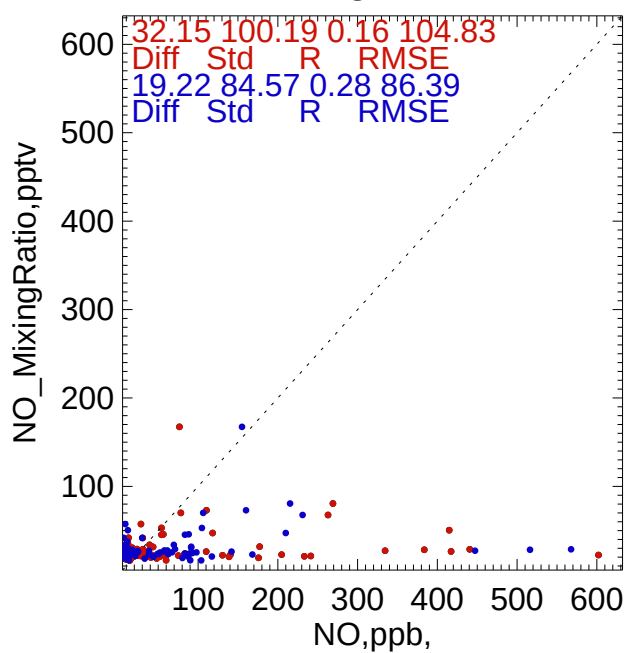
Model NO,ppb, > 3 km



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

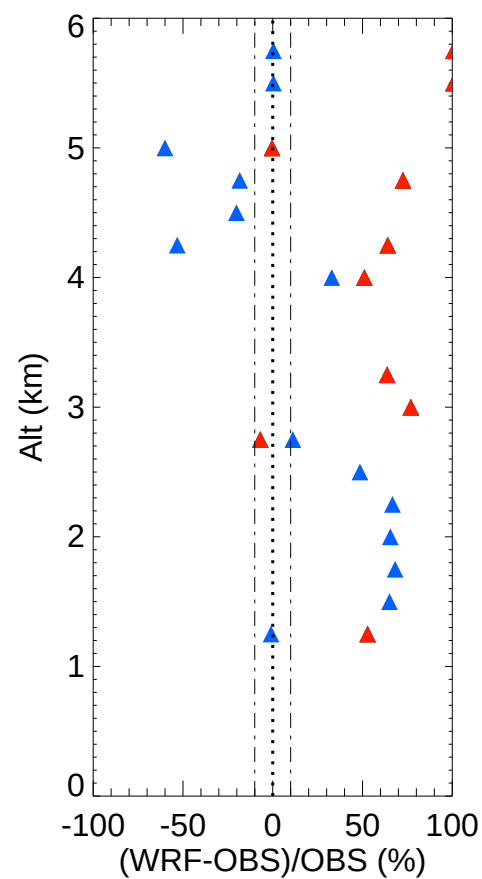
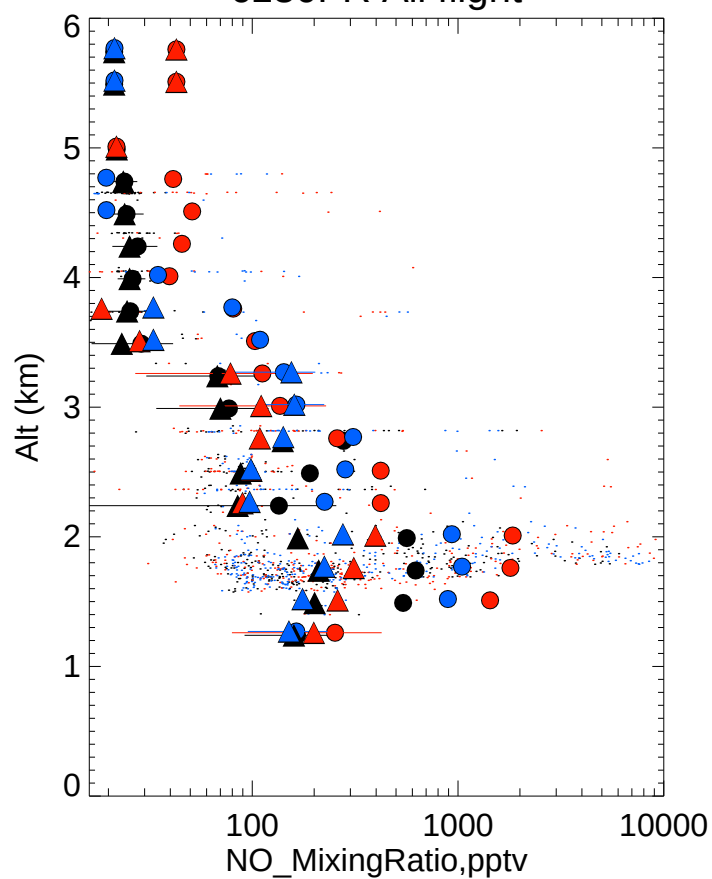
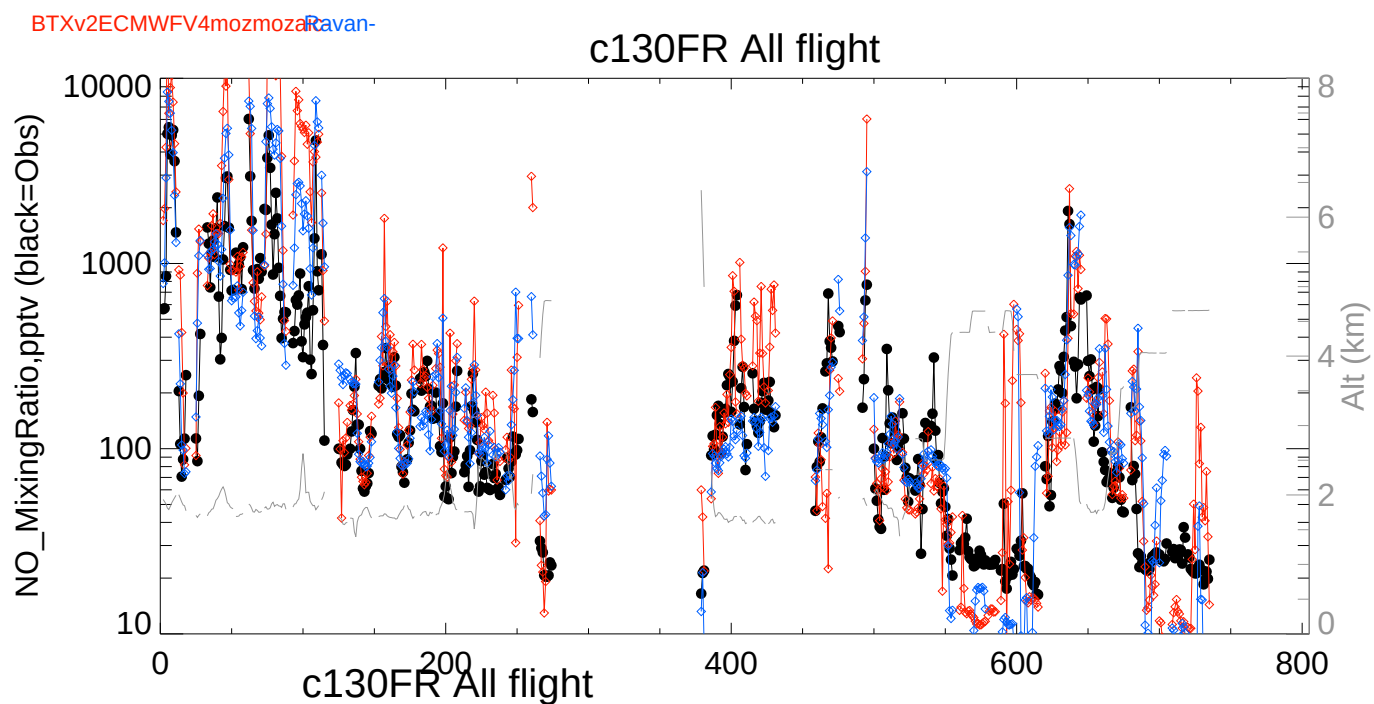


> 3 km

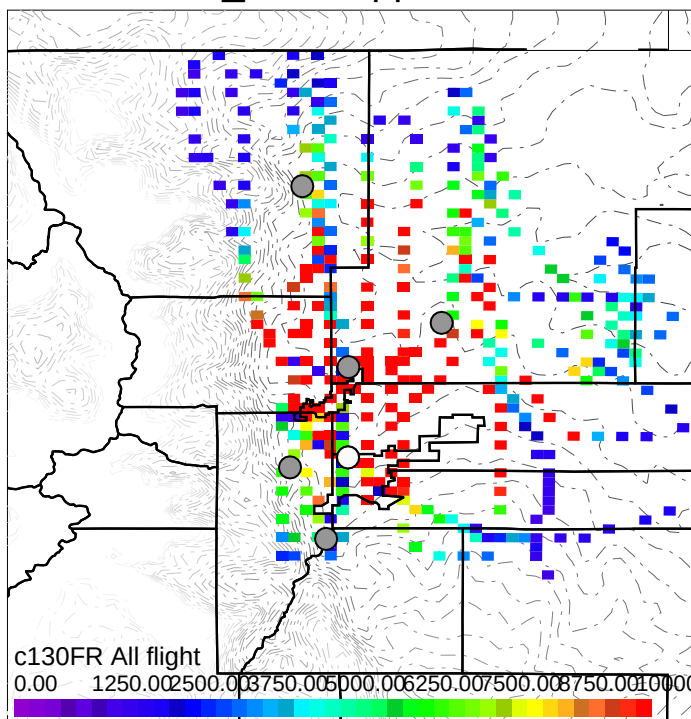


BTXv2ECMWFV4mozmozaic-

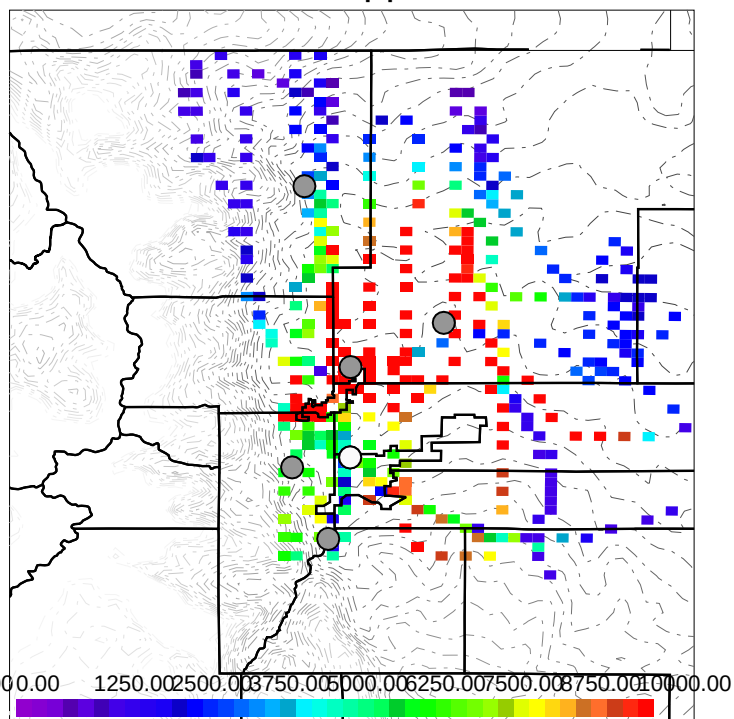
Ravan-



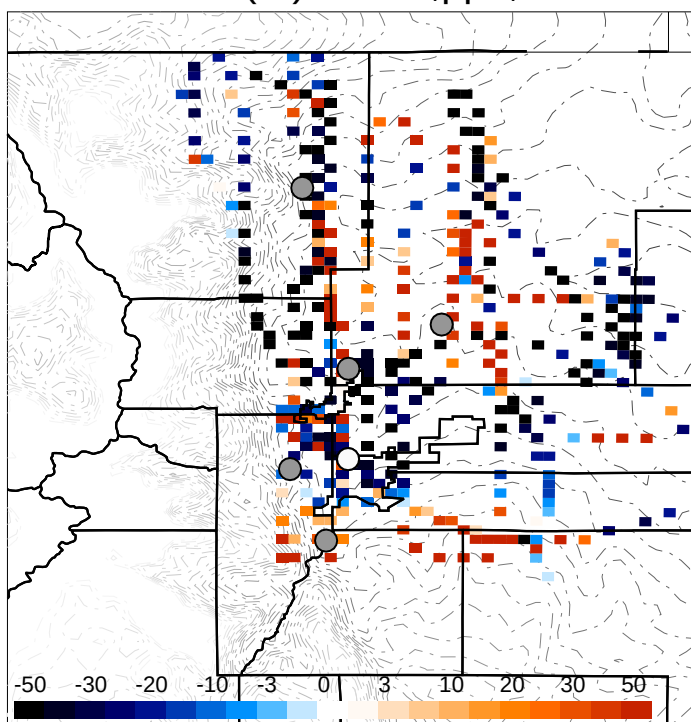
C2H6_CAMS,pptv < 3 km



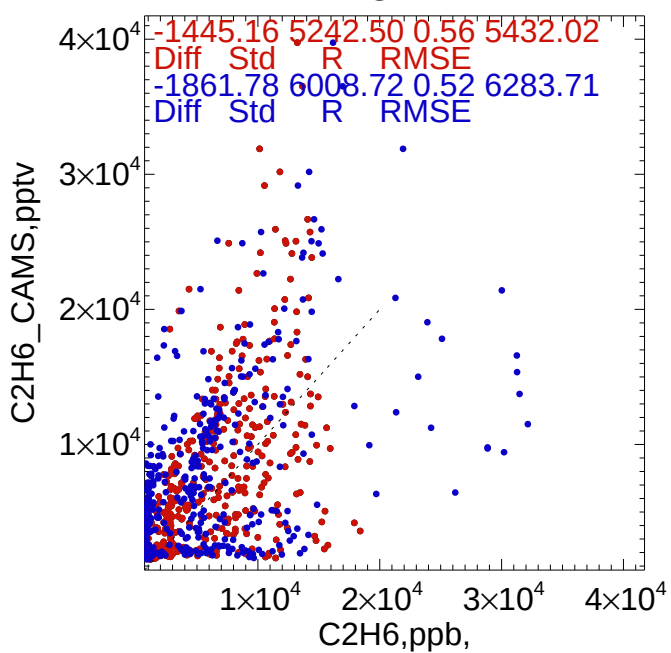
Model C2H6,ppb, < 3 km



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



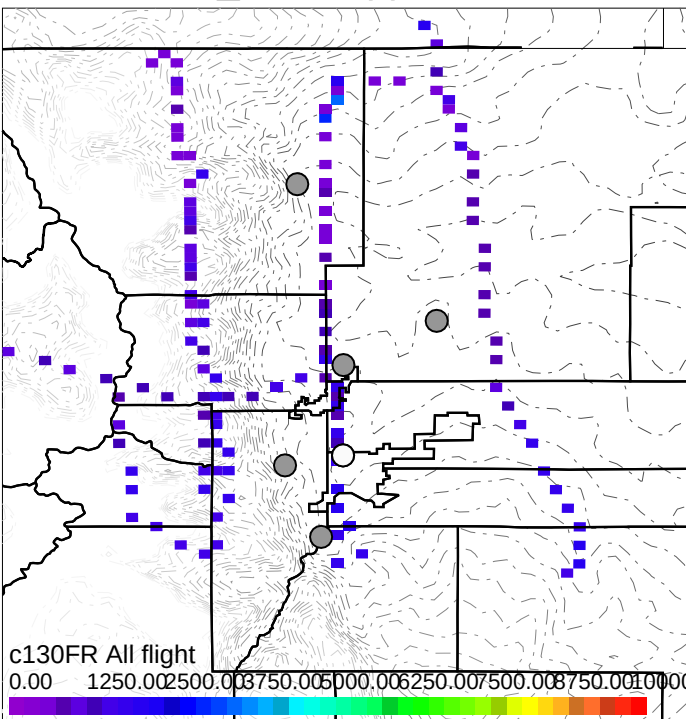
< 3 km



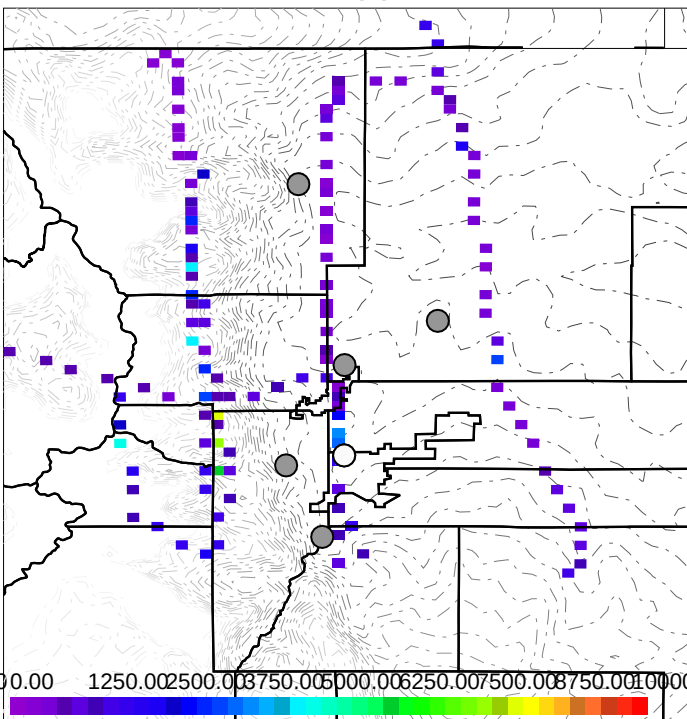
BTXv2ECMWFV4mozmozaic-

Ravan-

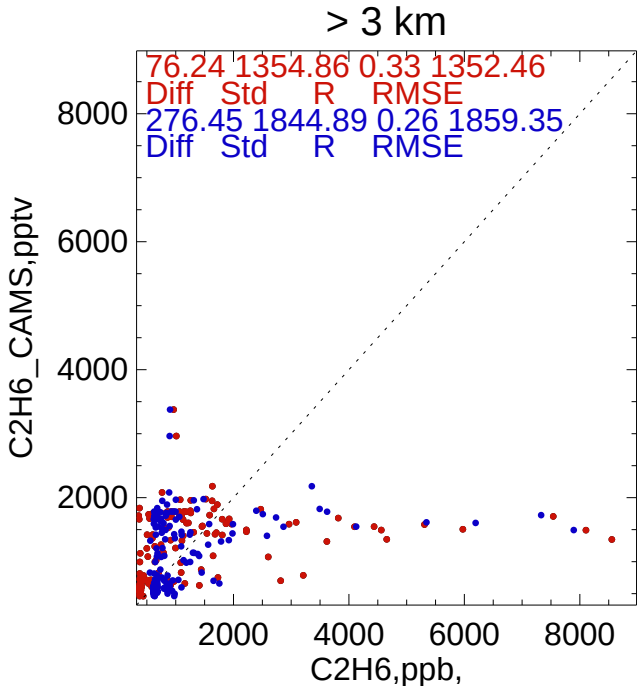
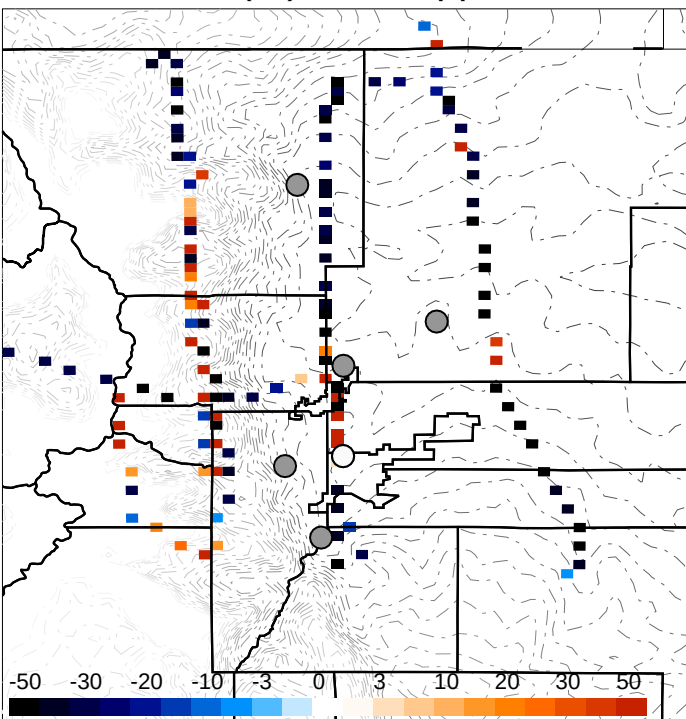
C2H6_CAMS, pptv > 3 km



Model C2H6, ppb, > 3 km

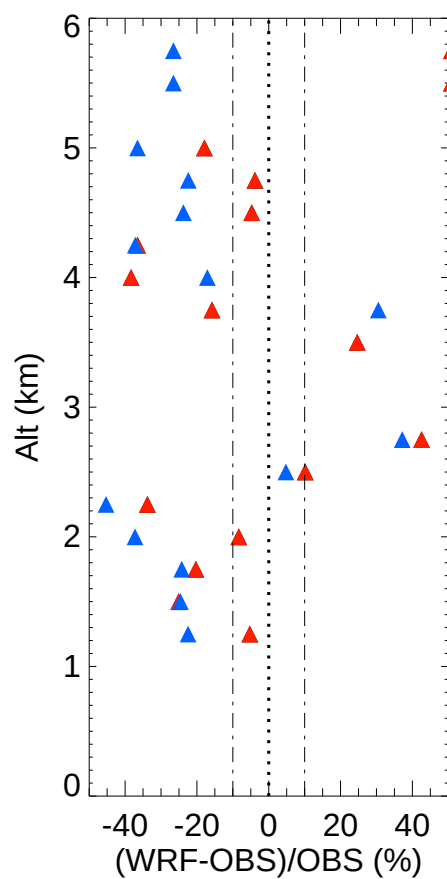
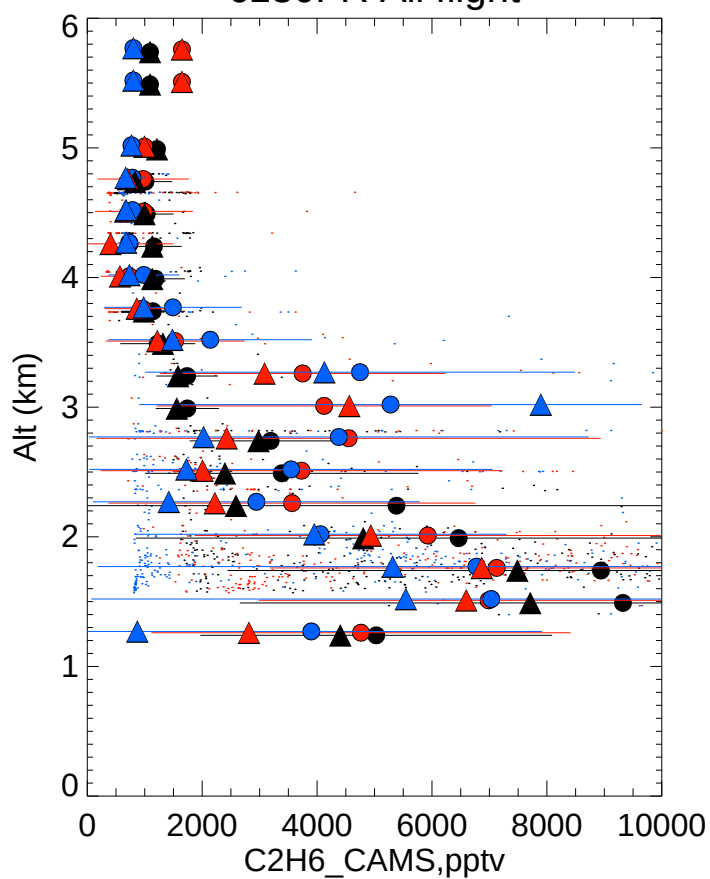
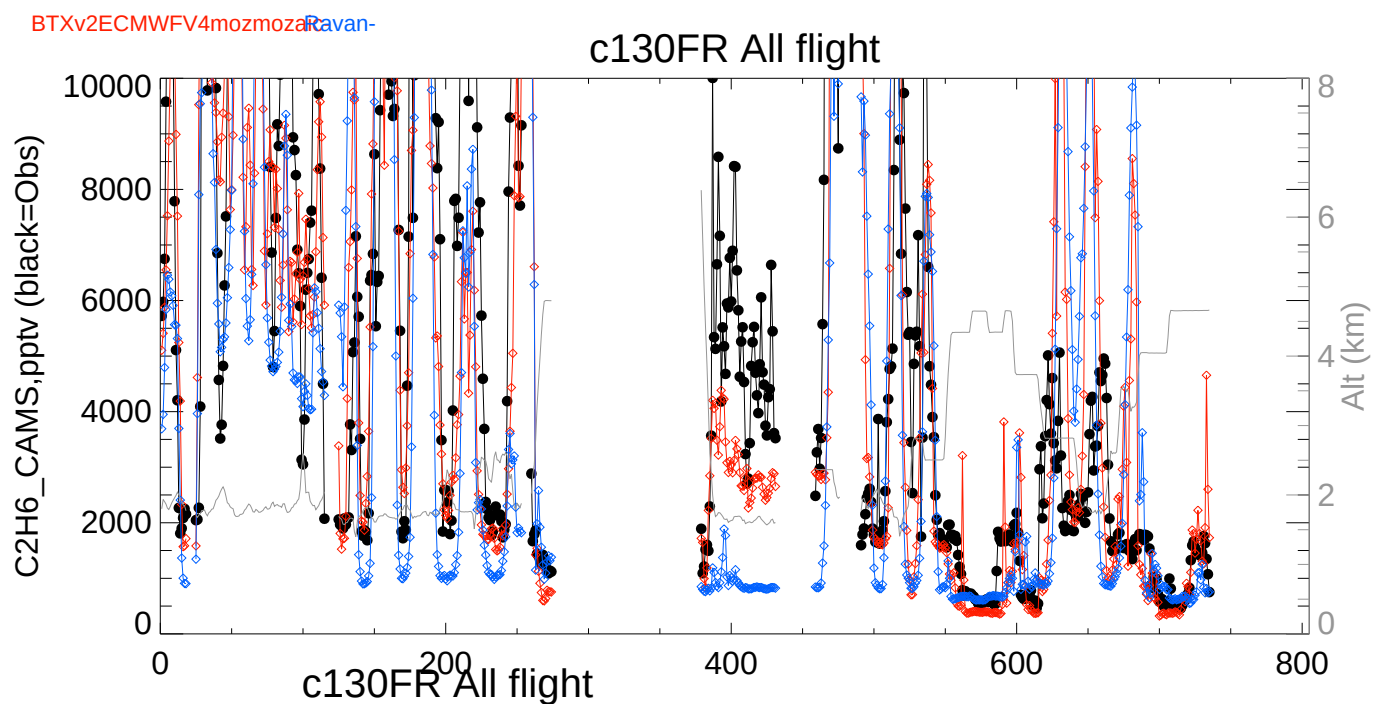


Model-Obs(%) C2H6, ppb, > 3 km

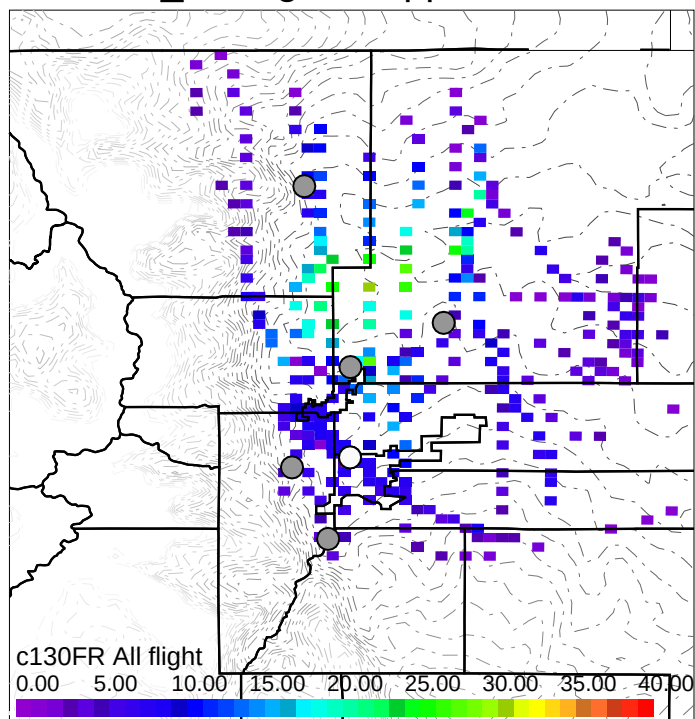


BTXv2ECMWFV4mozmozaic-

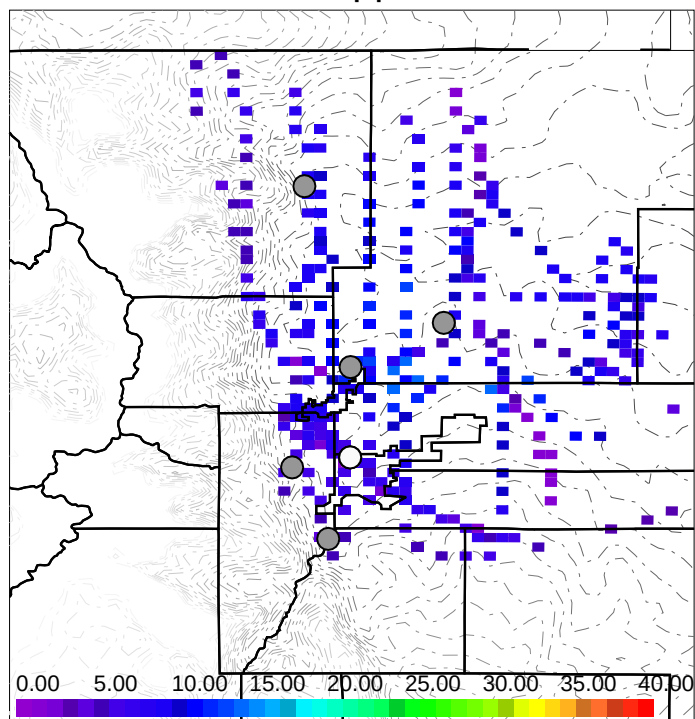
Ravan-



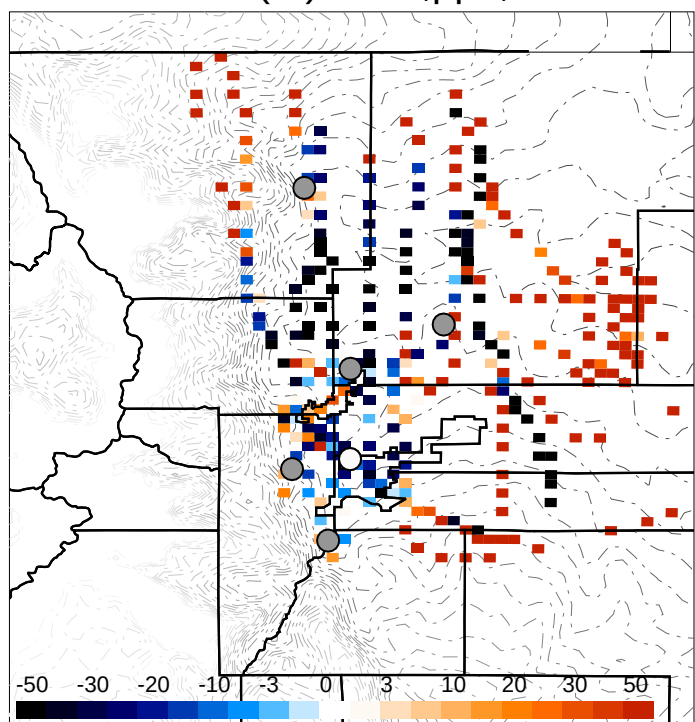
NH3_MixingRatio,ppbv < 3 km



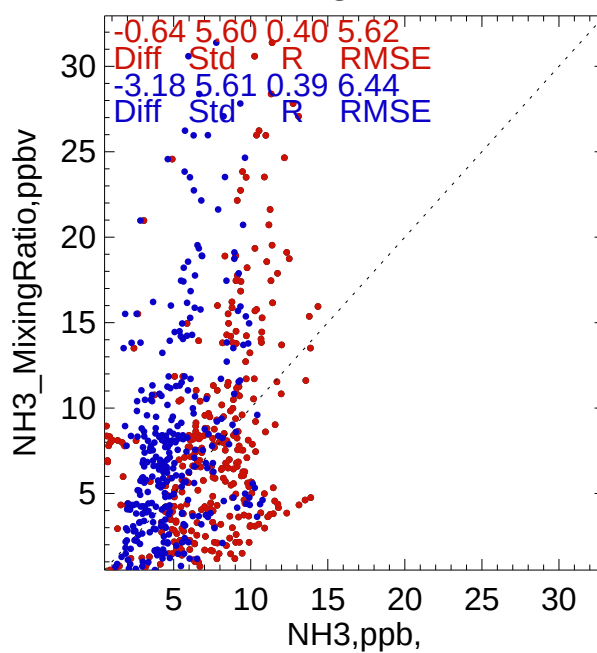
Model NH3,ppb, < 3 km



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



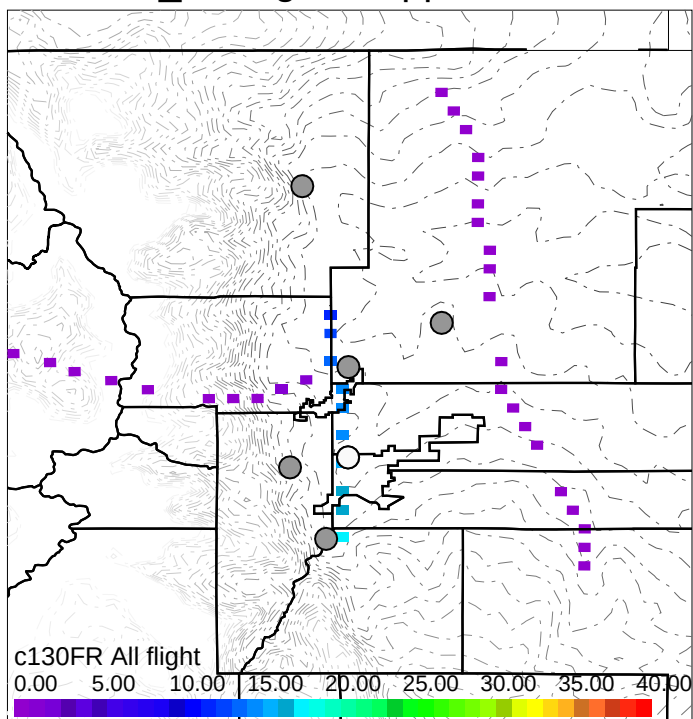
< 3 km



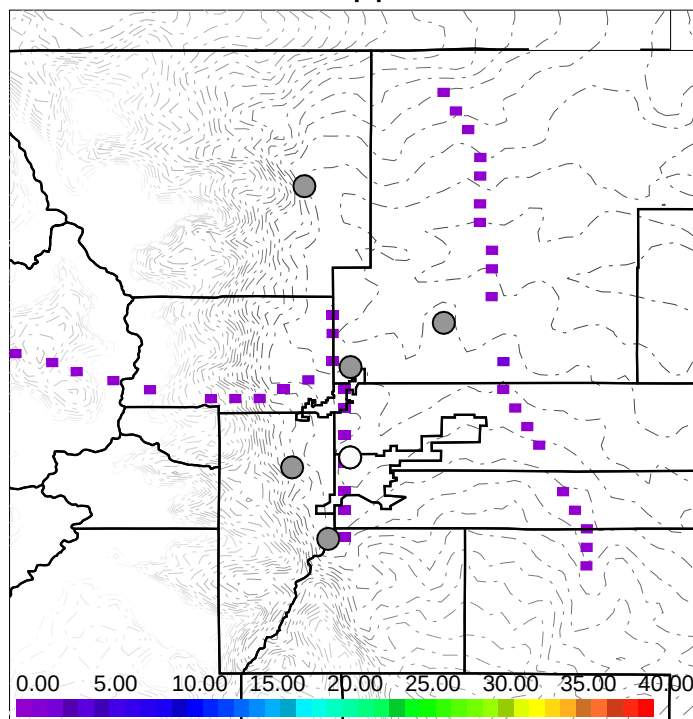
BTXv2ECMWFV4mozmozaic-

Ravan-

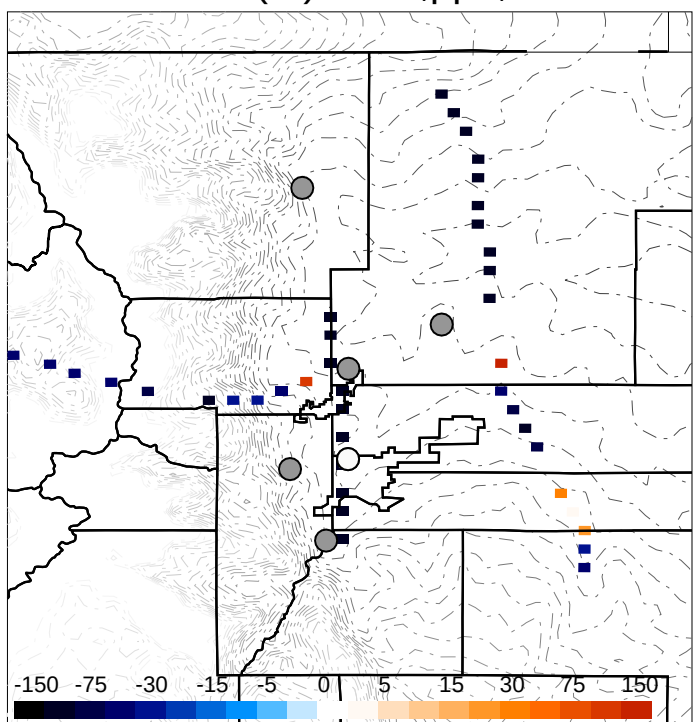
NH3_MixingRatio,ppbv > 3 km



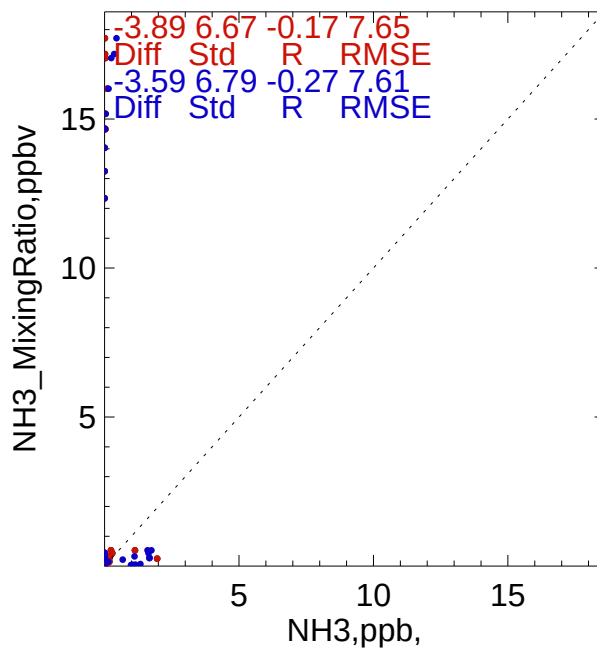
Model NH3,ppb, > 3 km



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



> 3 km

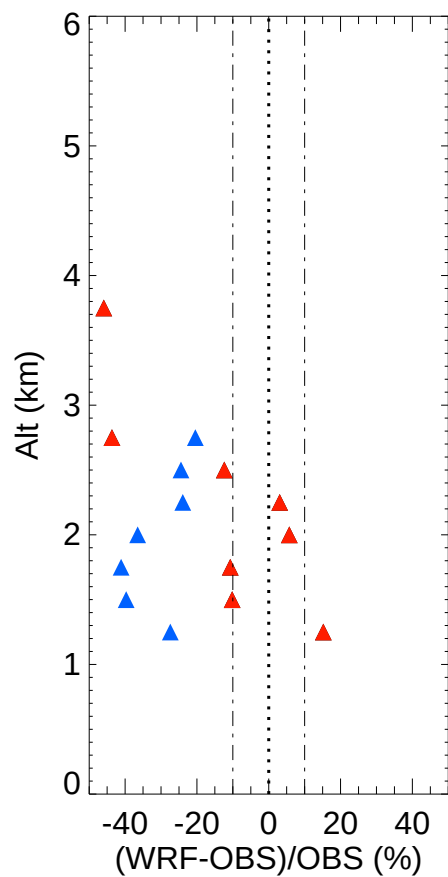
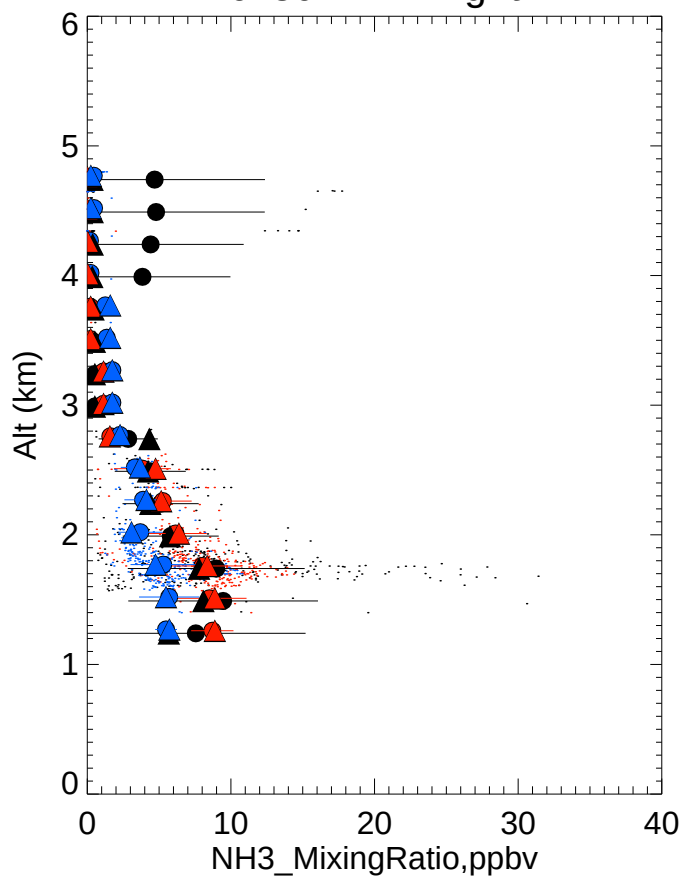
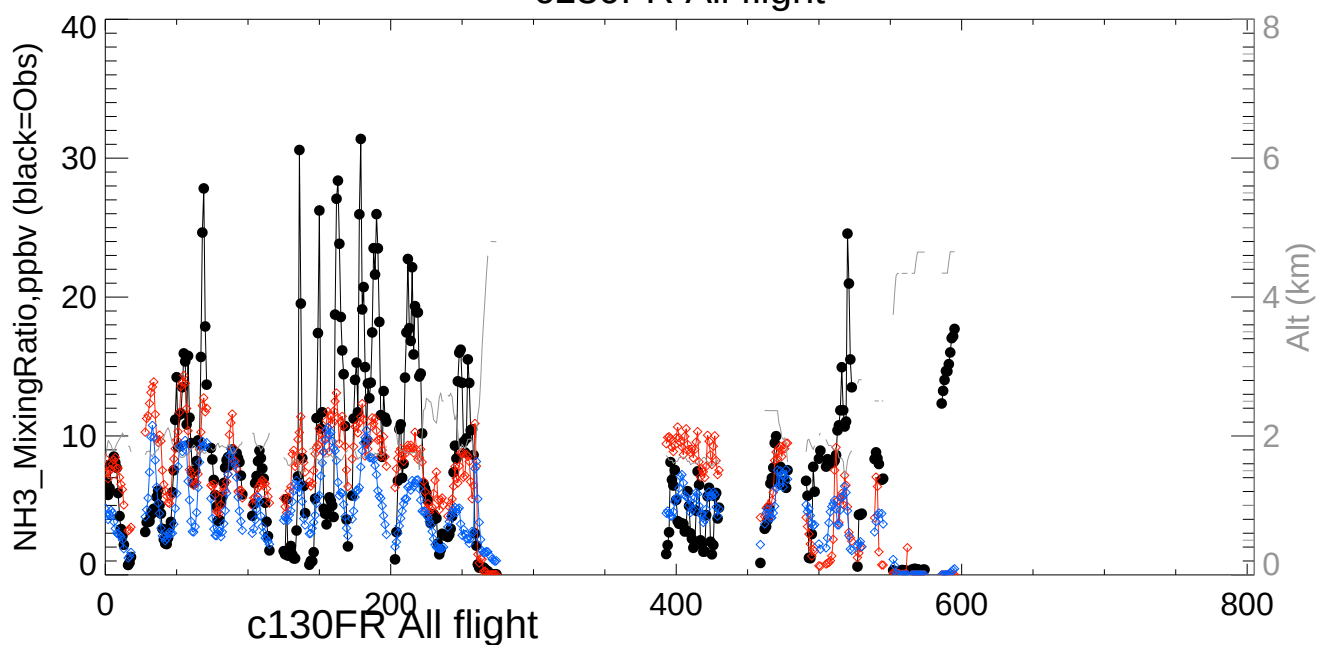


BTXv2ECMWFV4mozmozaic-

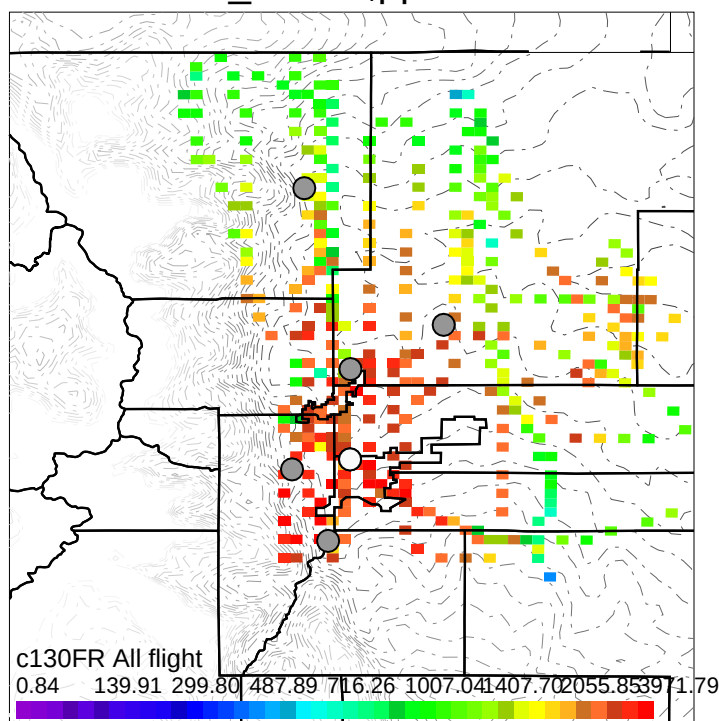
Ravan-

BTXv2ECMWFV4mozmozarRavan-

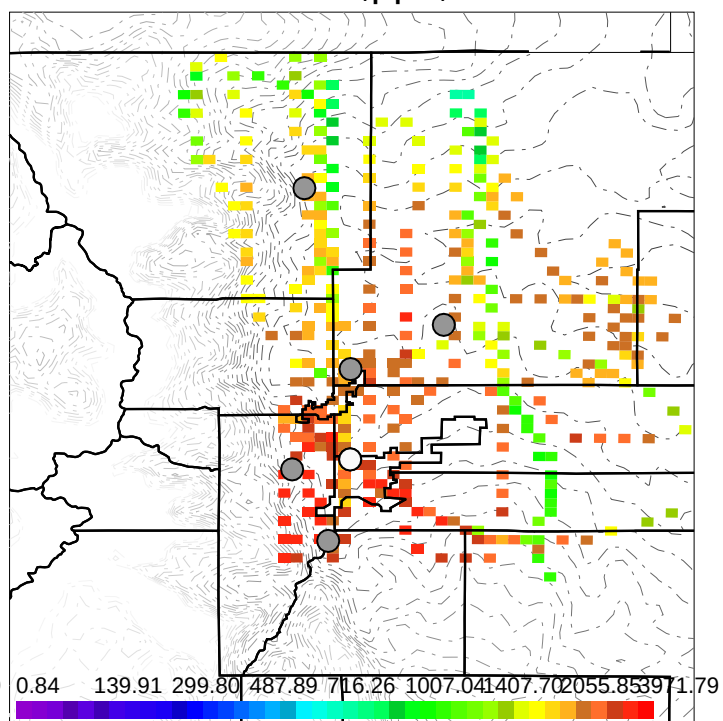
c130FR All flight



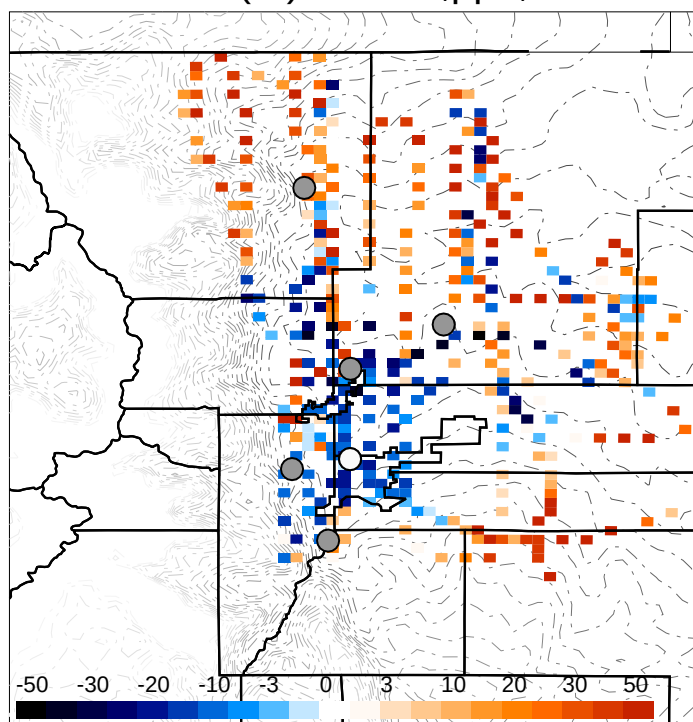
CH₂O_CAMS, pptv < 3 km



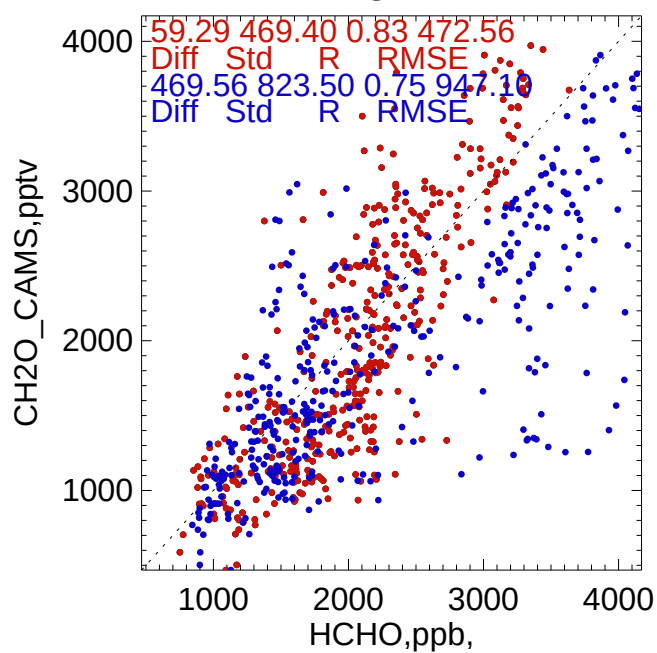
Model HCHO, ppb, < 3 km



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



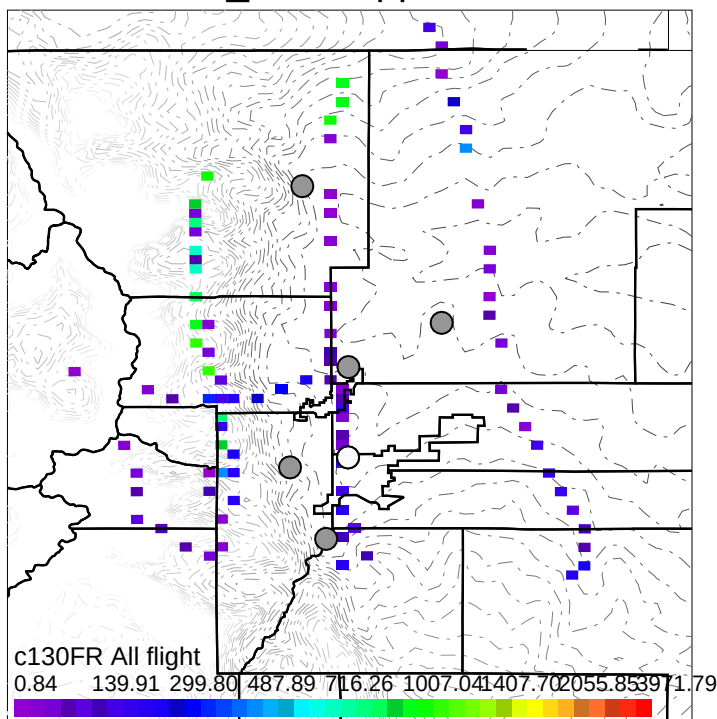
< 3 km



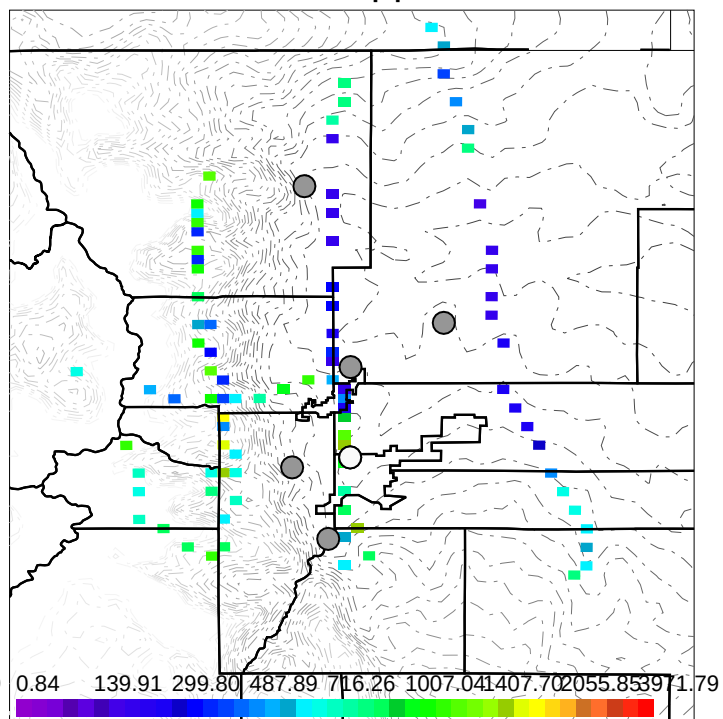
BTXv2ECMWFV4mozmozaic-

Ravan-

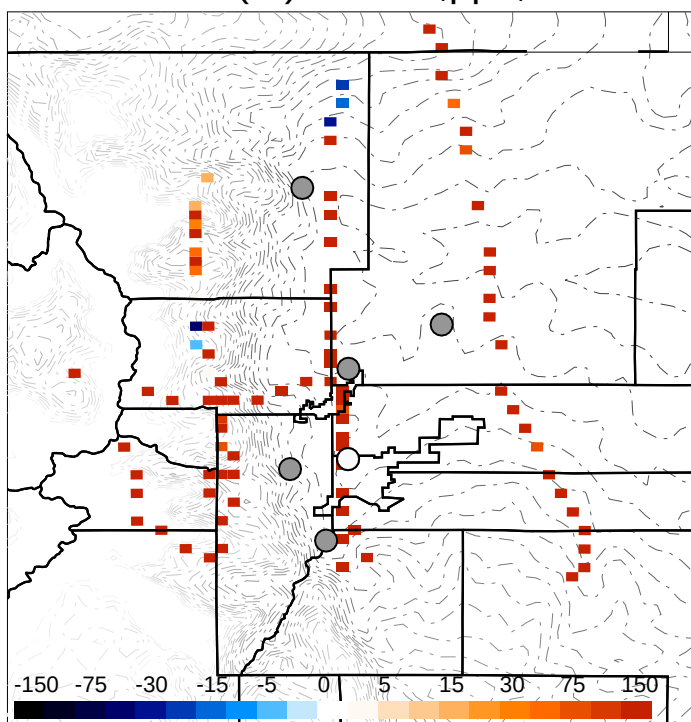
CH2O_CAMS,pptv > 3 km



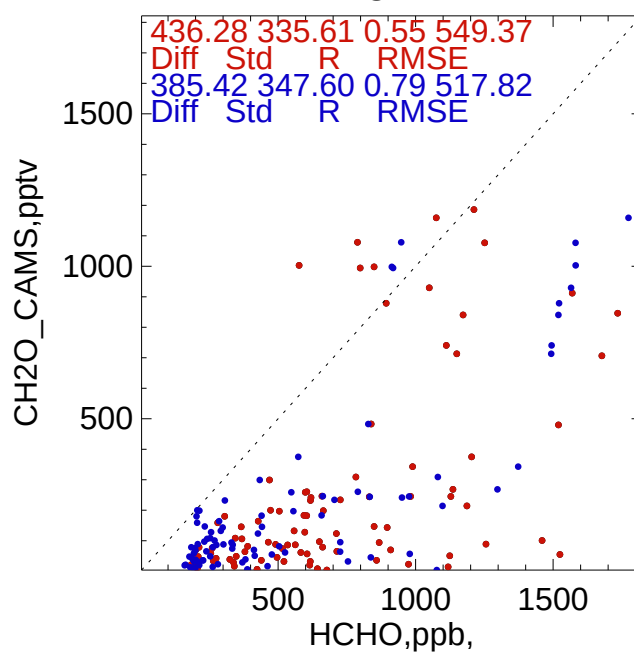
Model HCHO,ppb, > 3 km



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



> 3 km

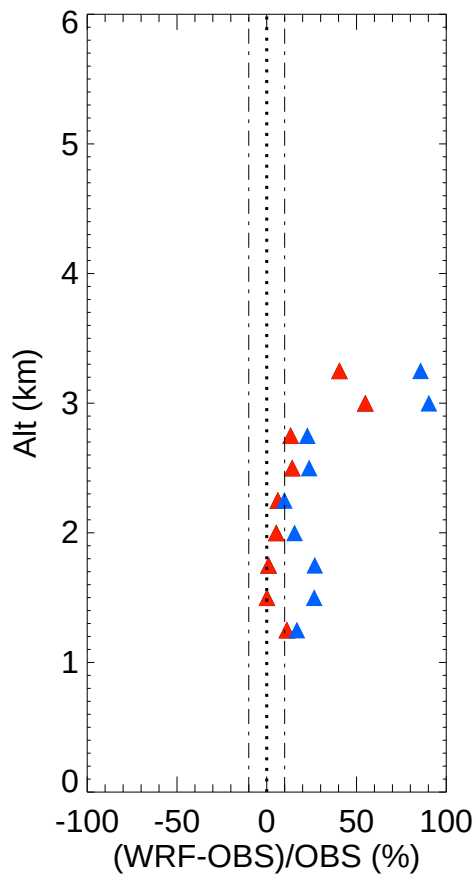
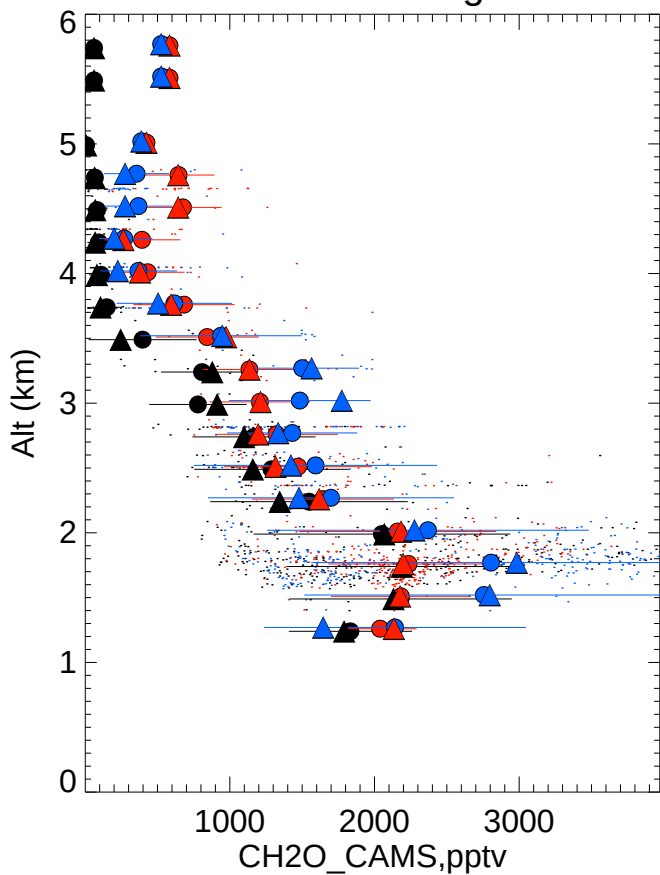
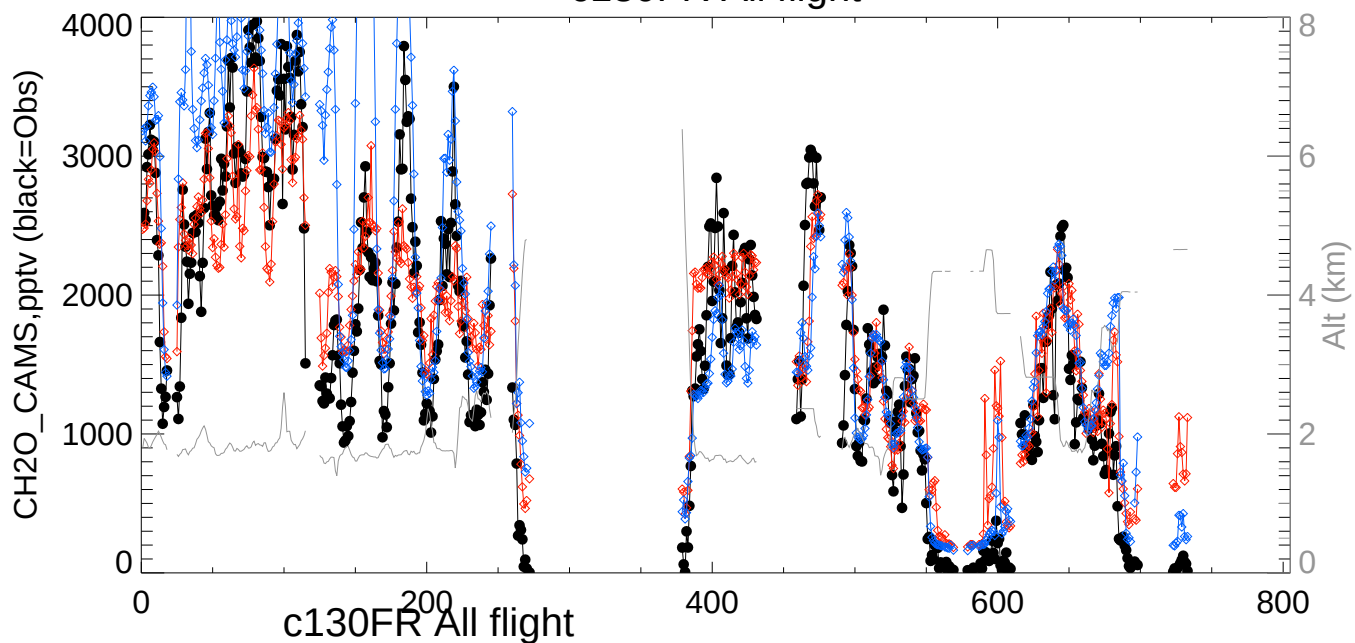


BTXv2ECMWFV4mozmozaic-

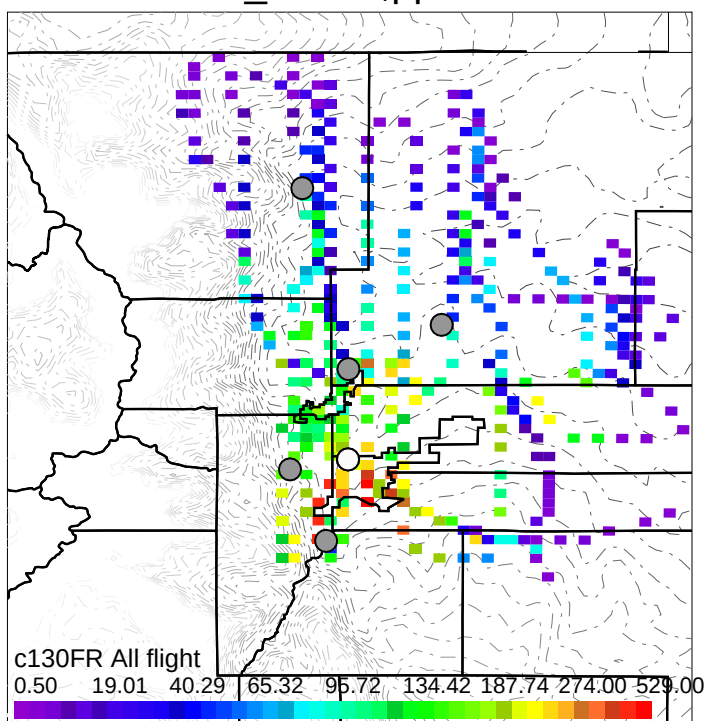
Ravan-

BTXv2ECMWFV4mozmozaRavan-

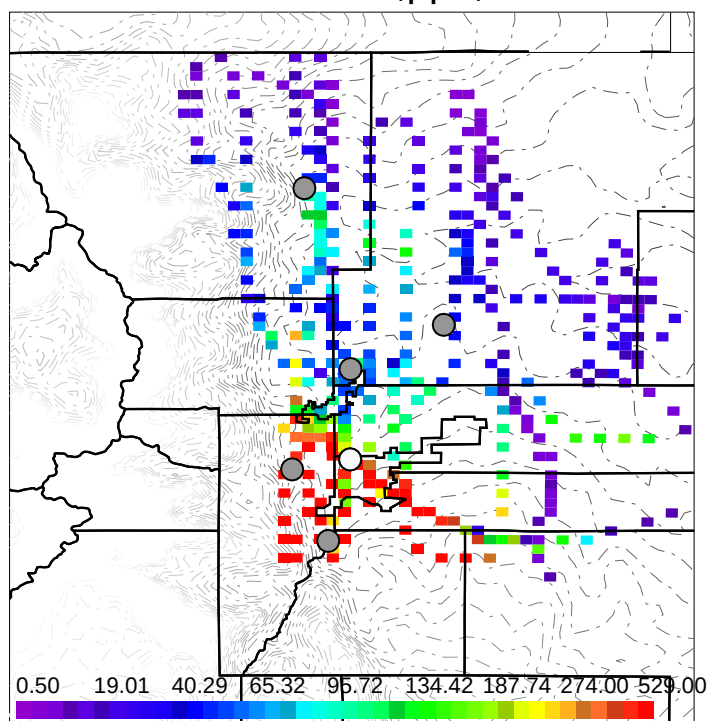
c130FR All flight



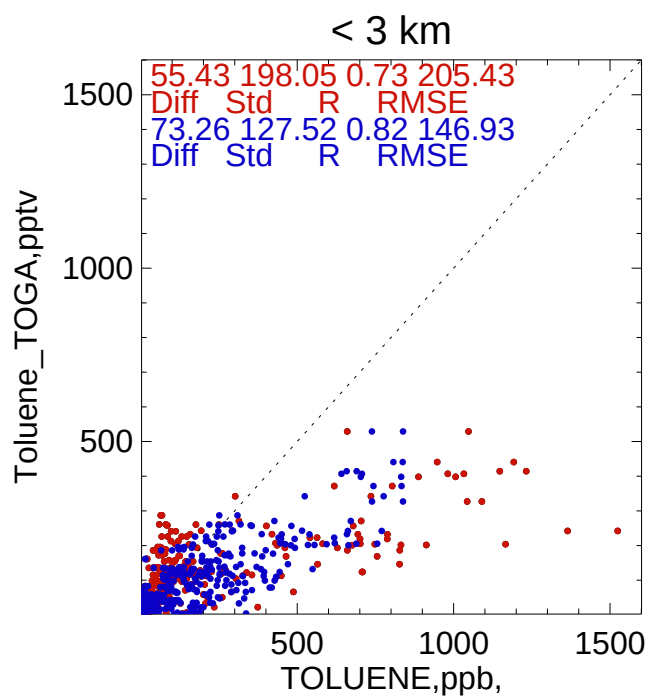
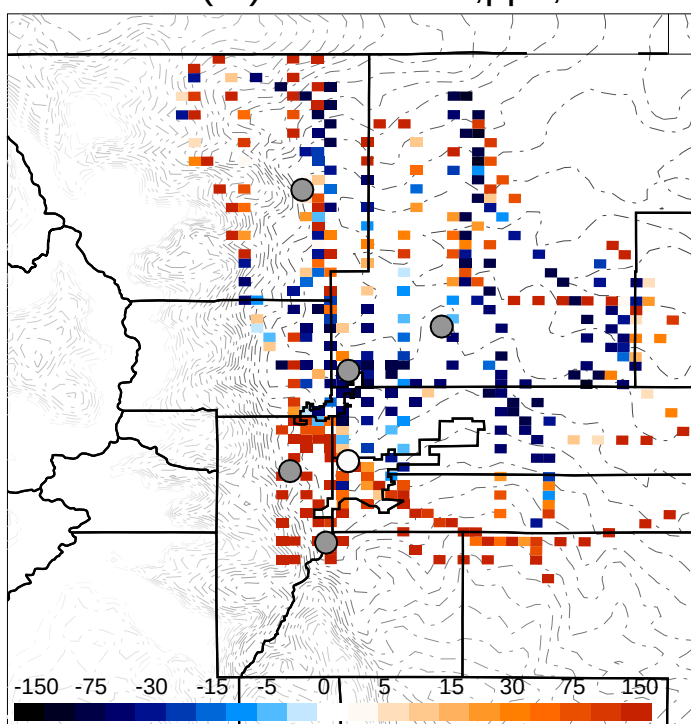
Toluene_TOGA, pptv < 3 km



Model TOLUENE, ppb, < 3 km



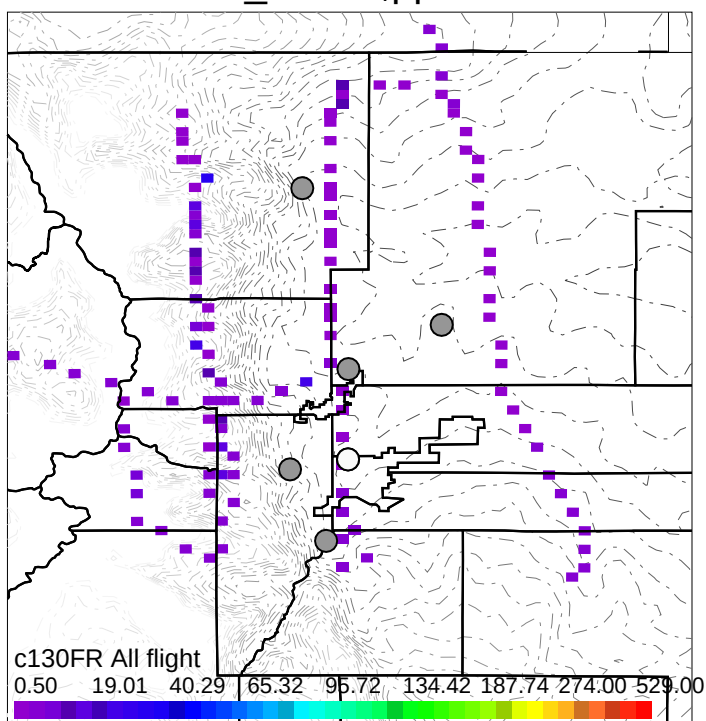
Model-Obs(%) TOLUENE, ppb, < 3 km



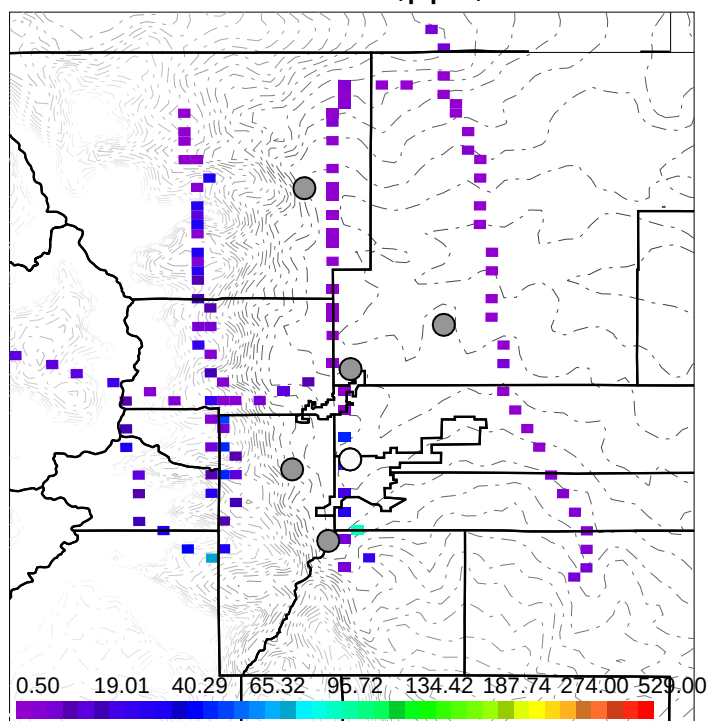
BTXv2ECMWFV4mozmozaic-

Ravan-

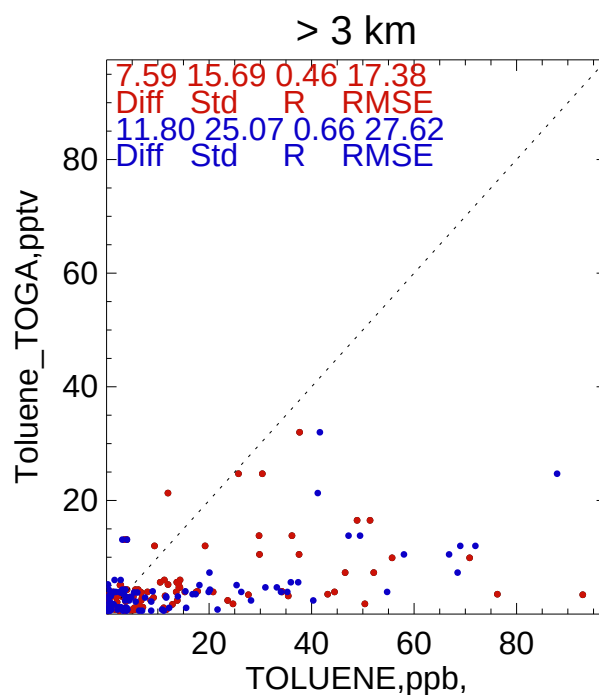
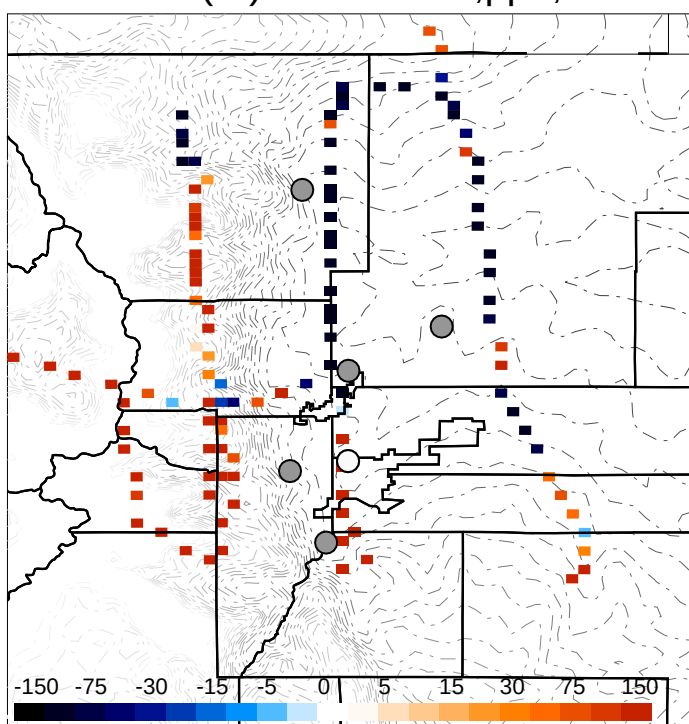
Toluene_TOGA,pptv > 3 km



Model TOLUENE,ppb, > 3 km



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

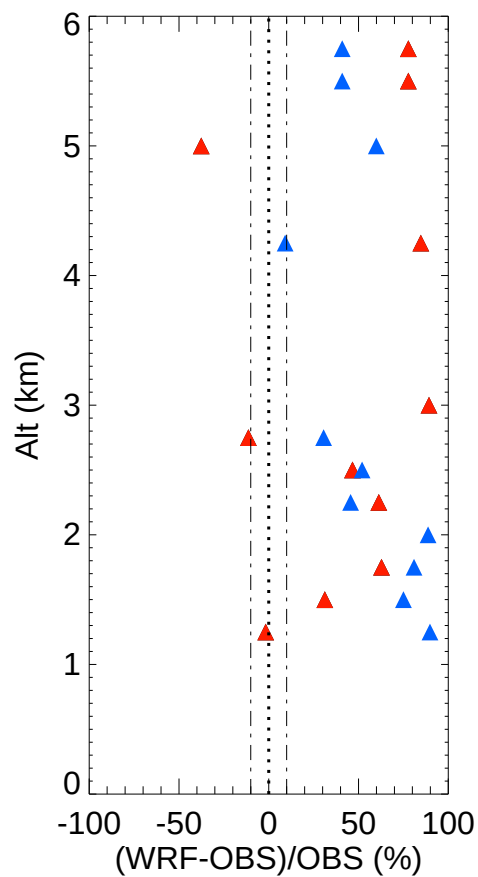
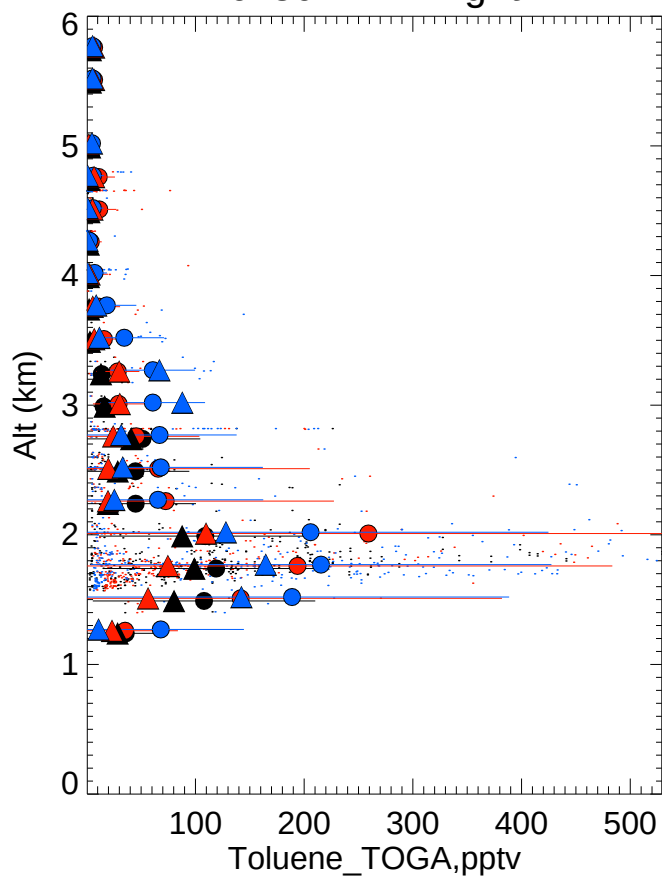
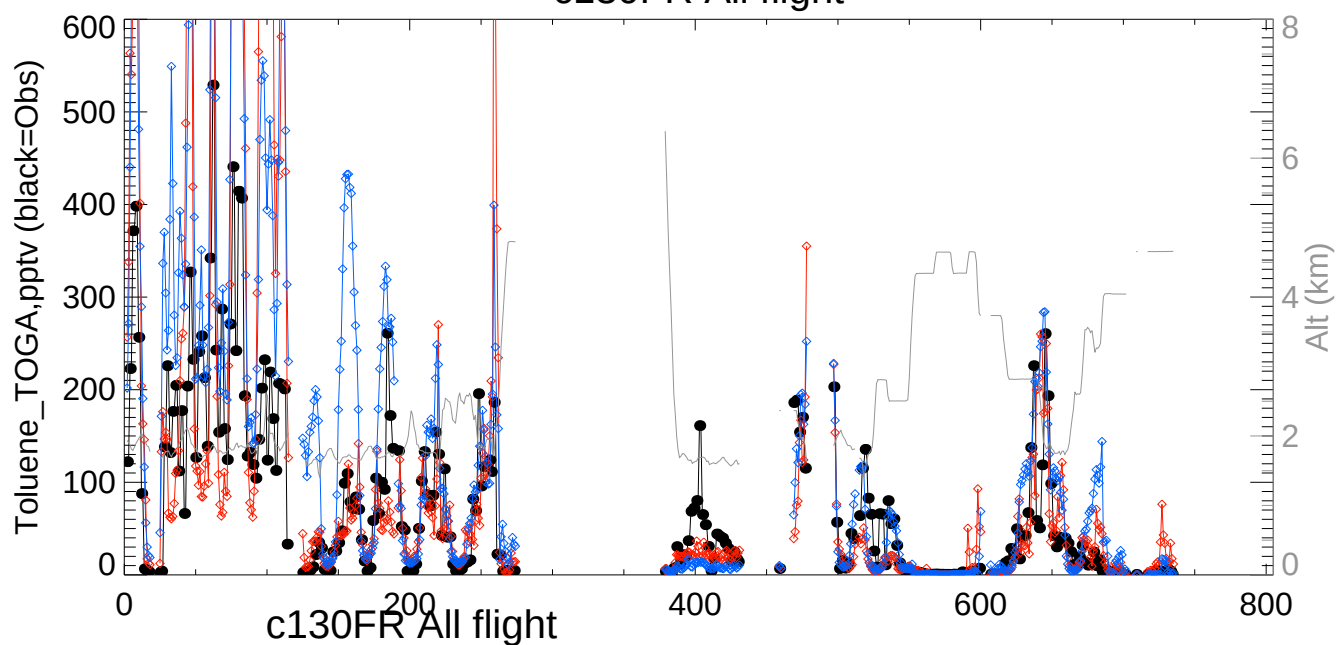


BTXv2ECMWFV4mozmozaic-

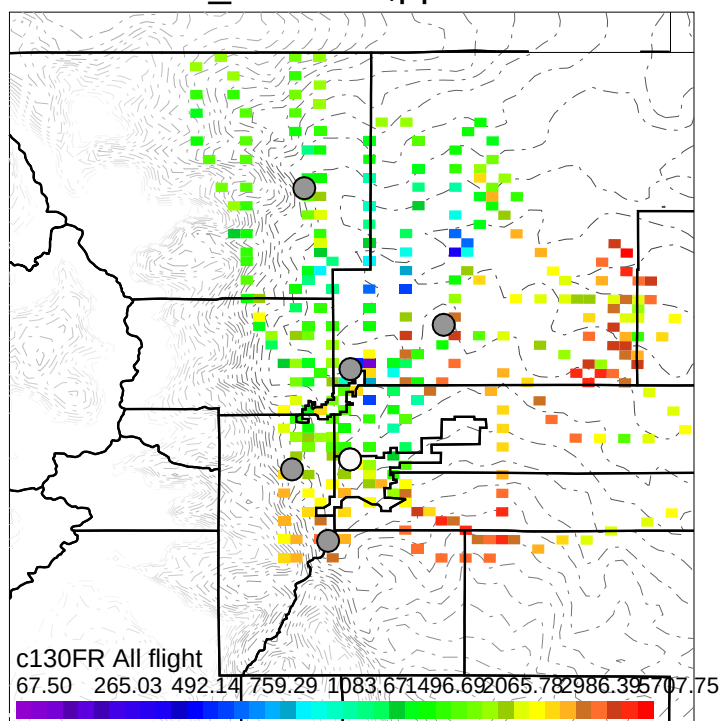
Ravan-

BTXv2ECMWFV4mozmozaravan-

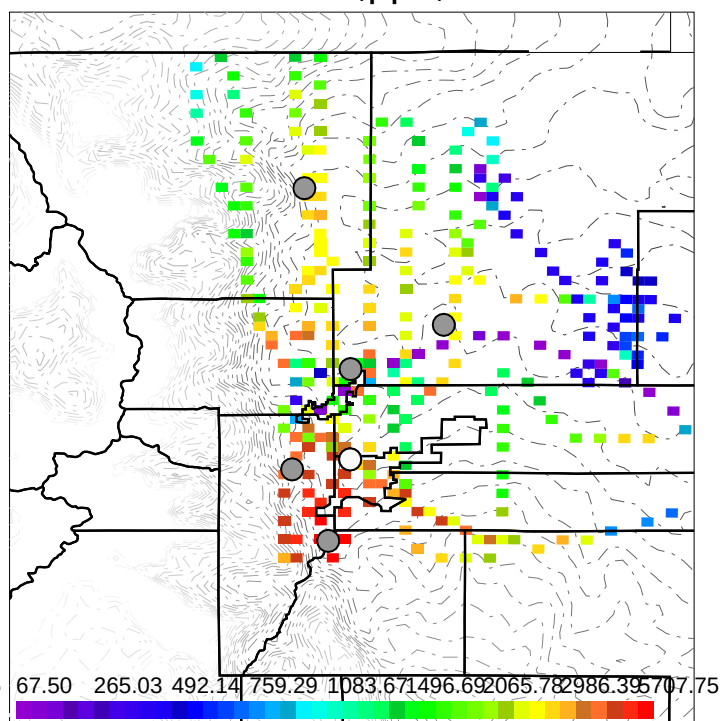
c130FR All flight



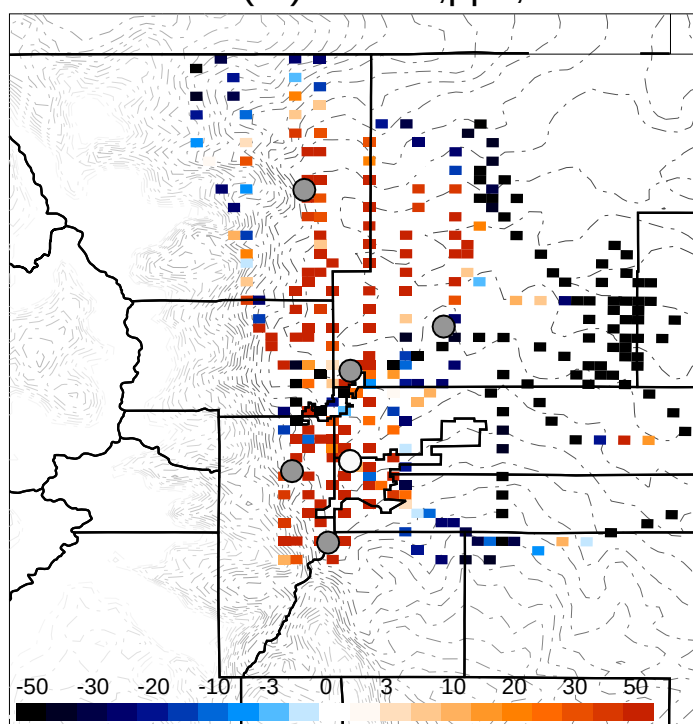
HNO₃_GTCIMS,pptv < 3 km



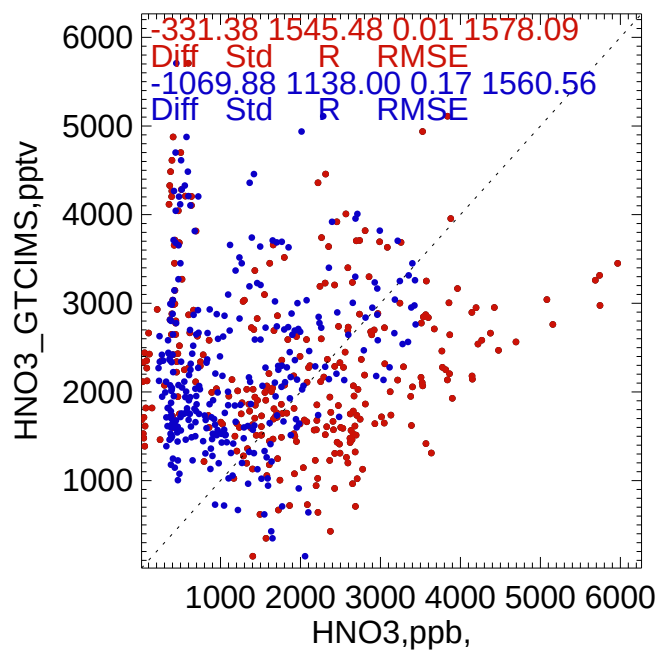
Model HNO₃,ppb, < 3 km



Model-Obs(%) HNO₃,ppb, < 3 km



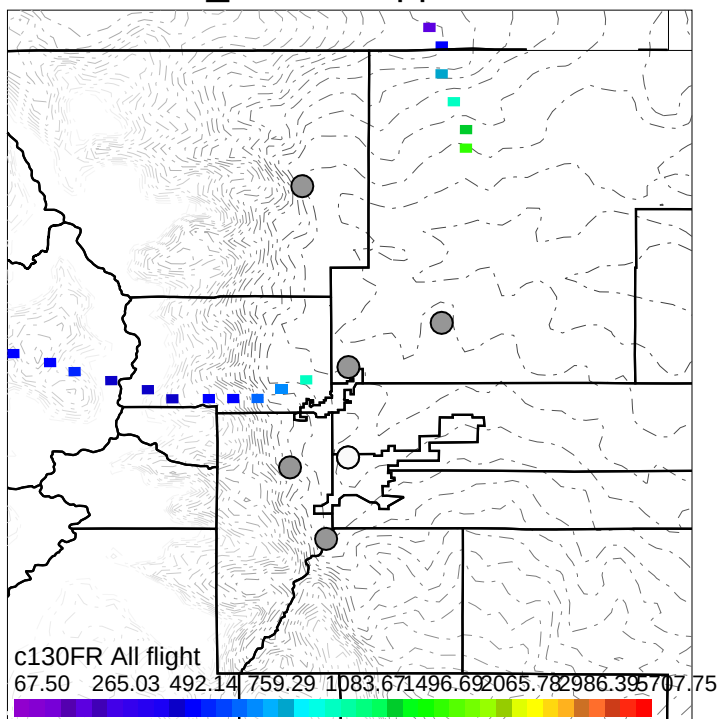
< 3 km



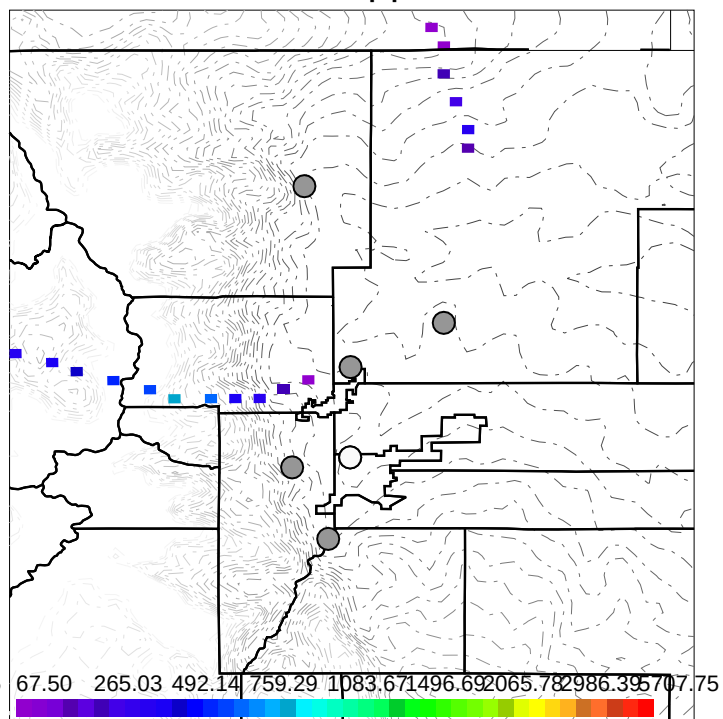
BTXv2ECMWFV4mozmozaic-

Ravan-

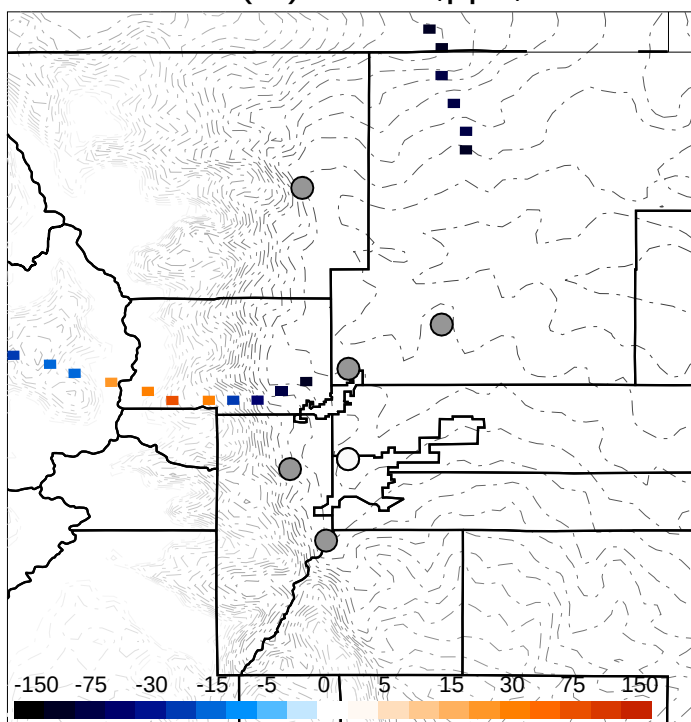
HNO₃_GTCIMS, pptv > 3 km



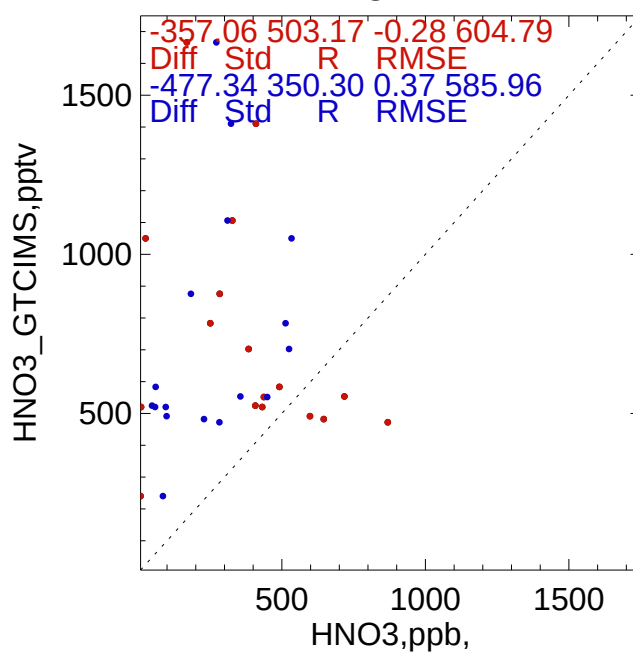
Model HNO₃, ppb, > 3 km



Model-Obs(%) HNO₃, ppb, > 3 km



> 3 km

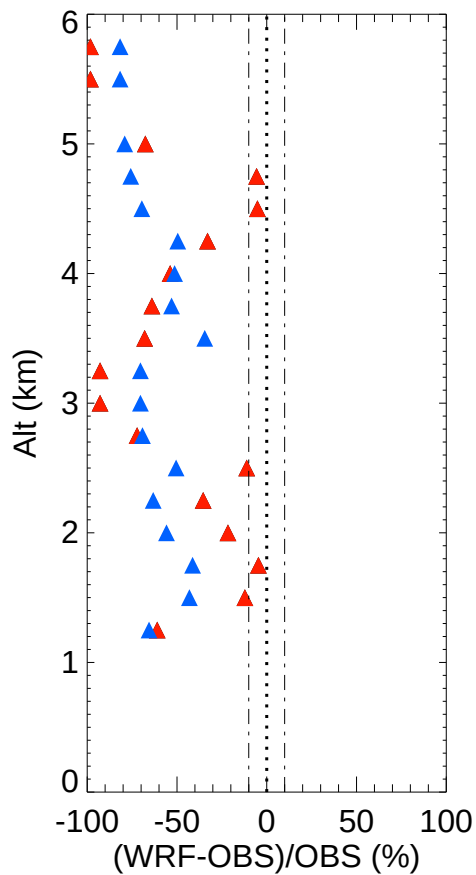
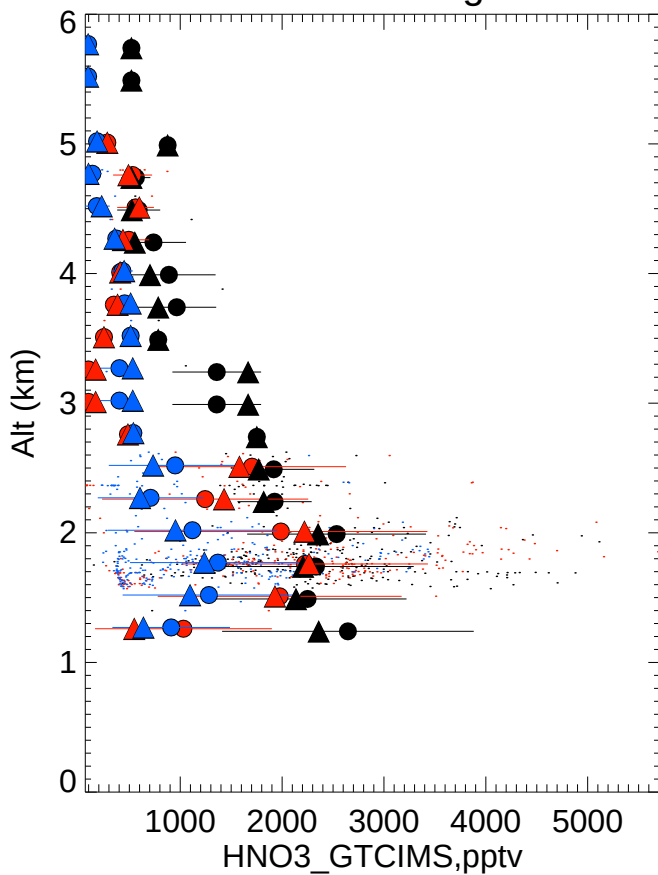
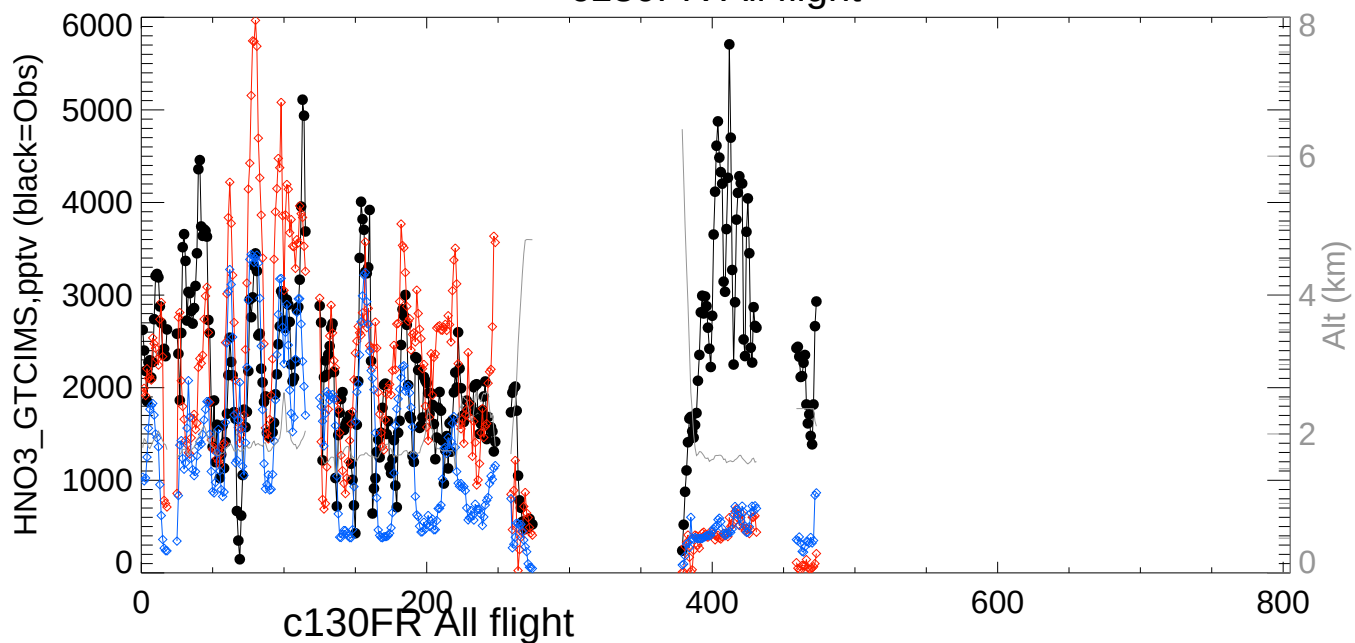


BTXv2ECMWFV4mozmozaic-

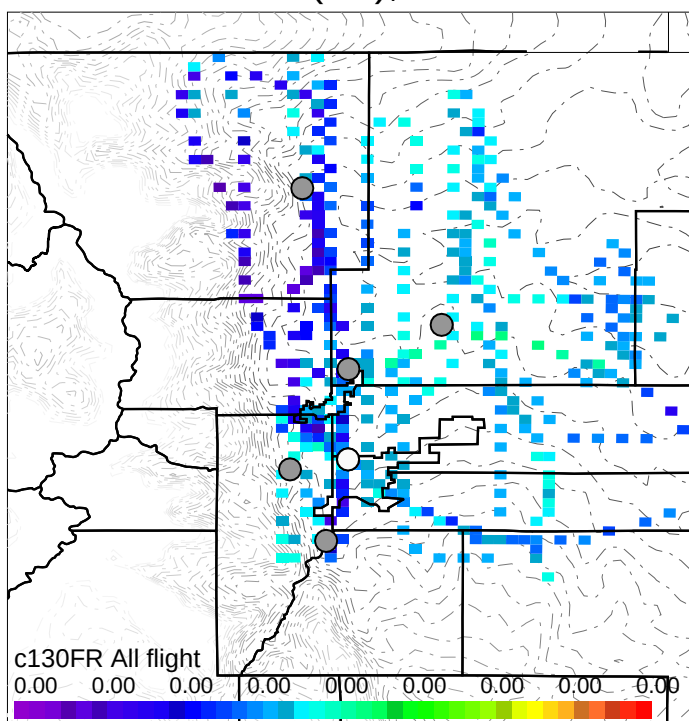
Ravan-

BTXv2ECMWFV4mozmozarRavan-

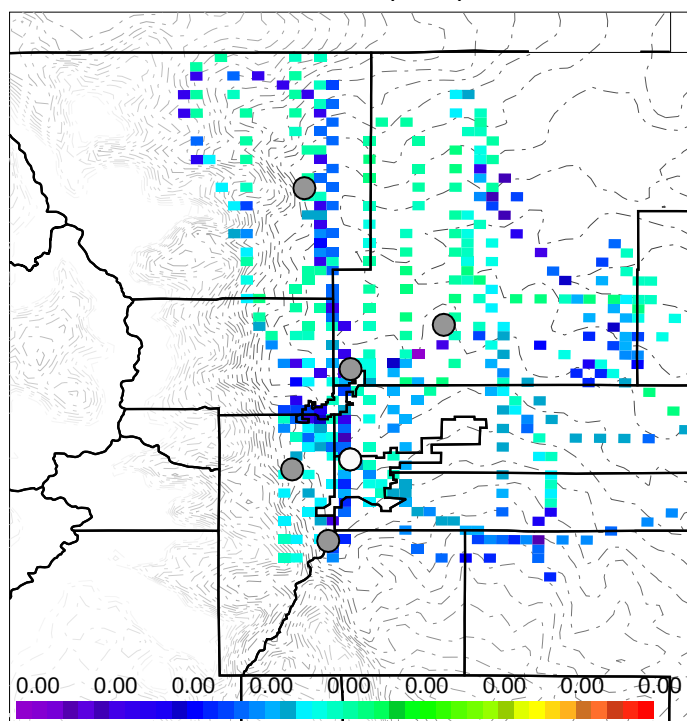
c130FR All flight



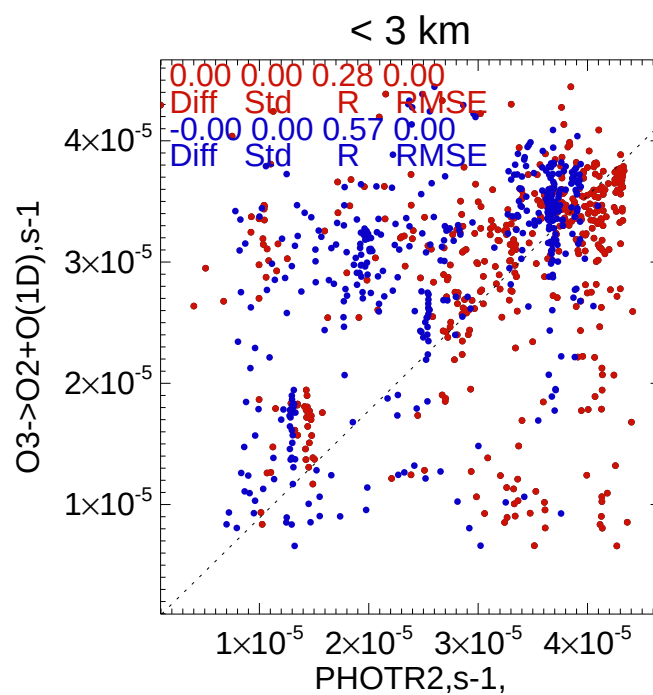
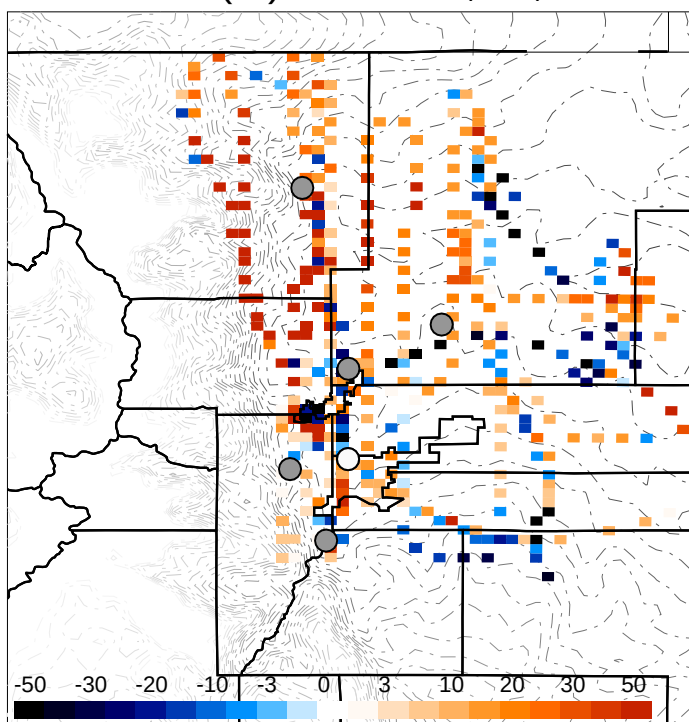
O3->O2+O(1D),s-1 < 3 km



Model PHOTR2,s-1, < 3 km



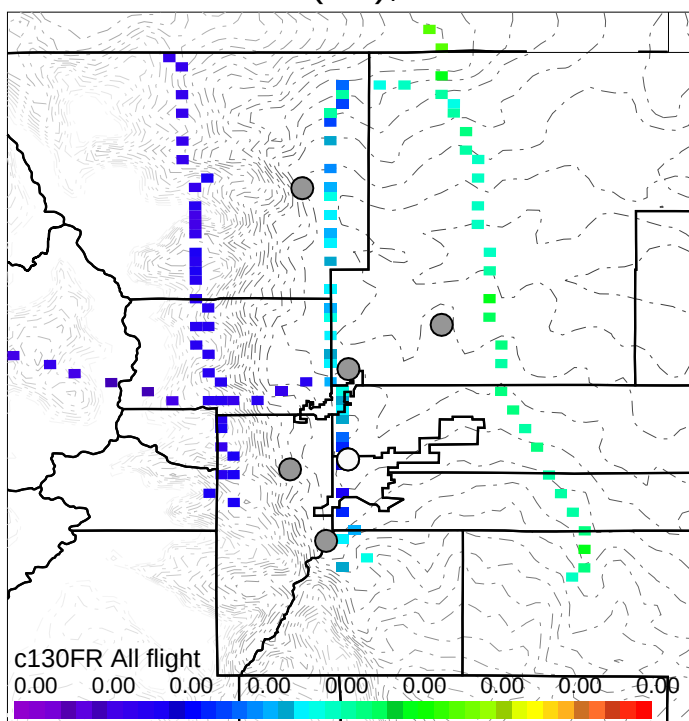
Model-Obs(%) PHOTR2,s-1, < 3 km



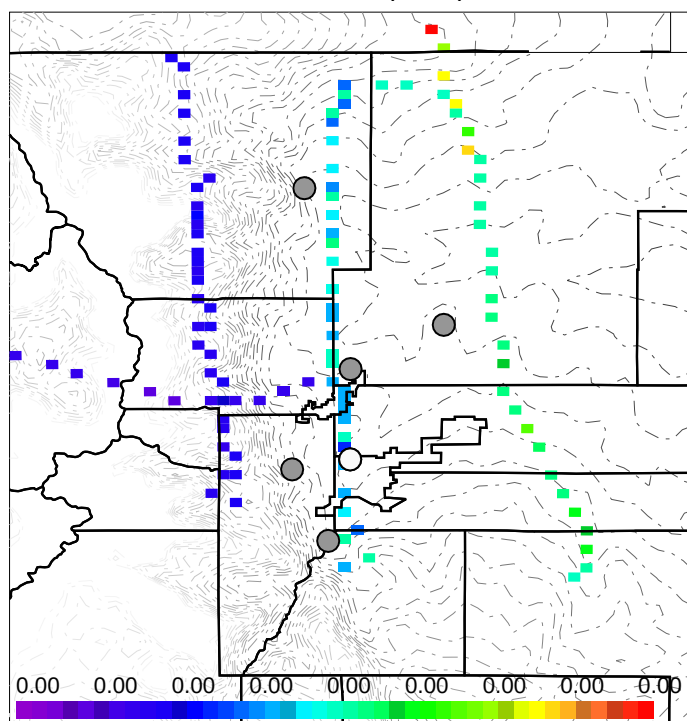
BTXv2ECMWFV4mozmozaic-

Ravan-

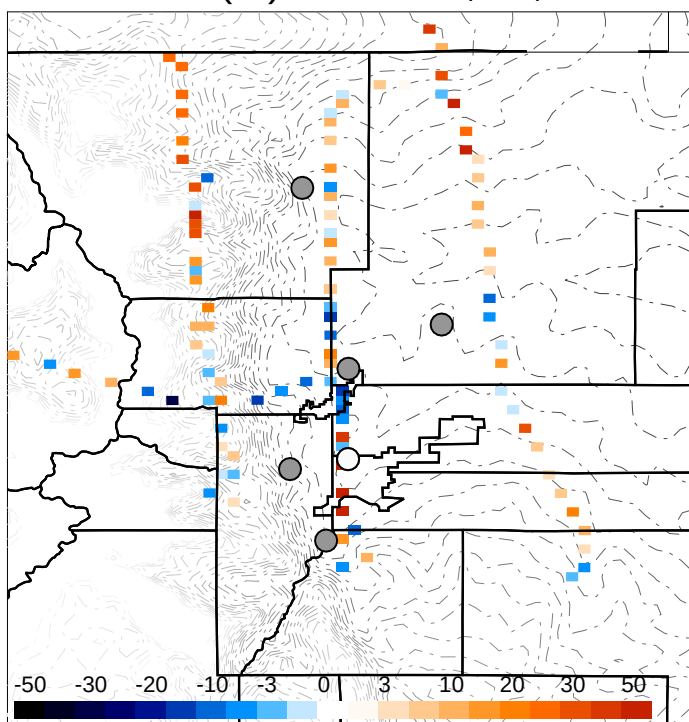
O3->O2+O(1D),s-1 > 3 km



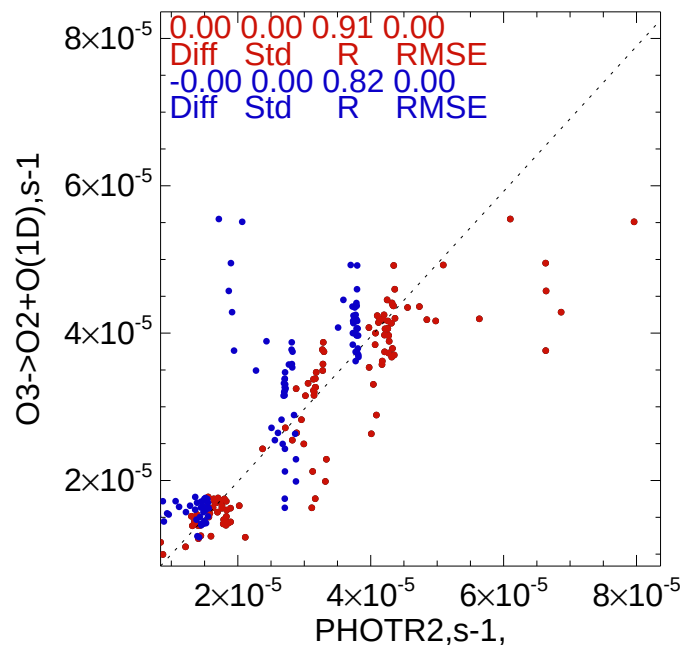
Model PHOTR2,s-1, > 3 km



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

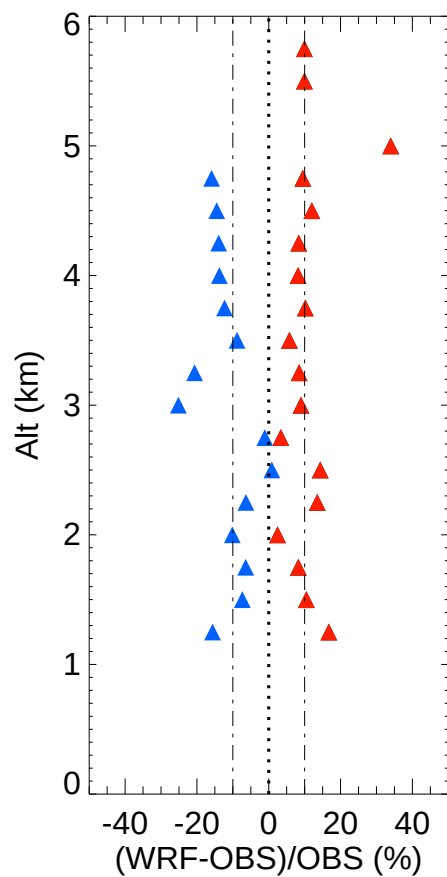
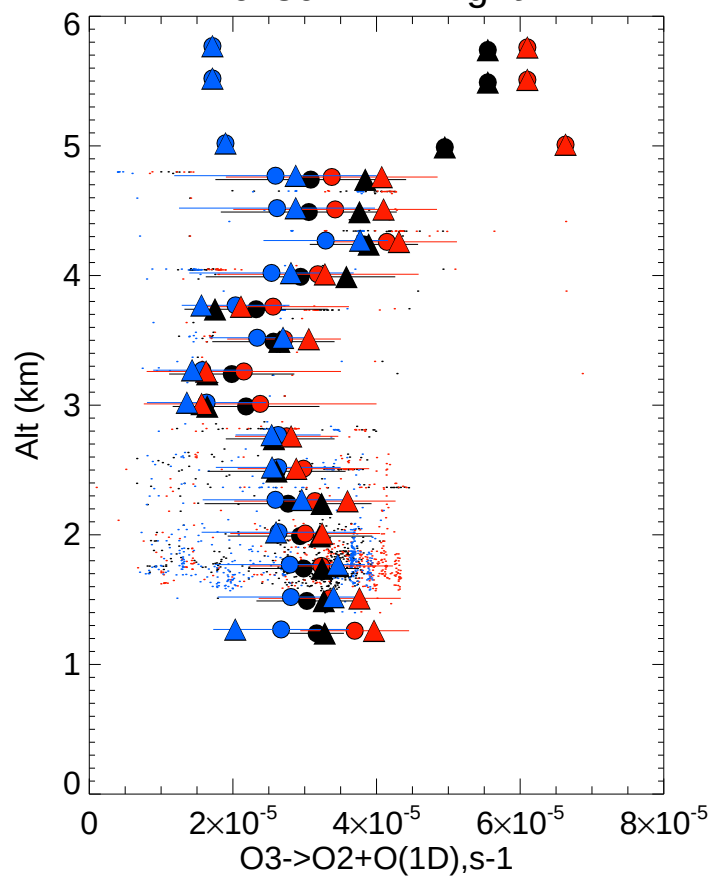
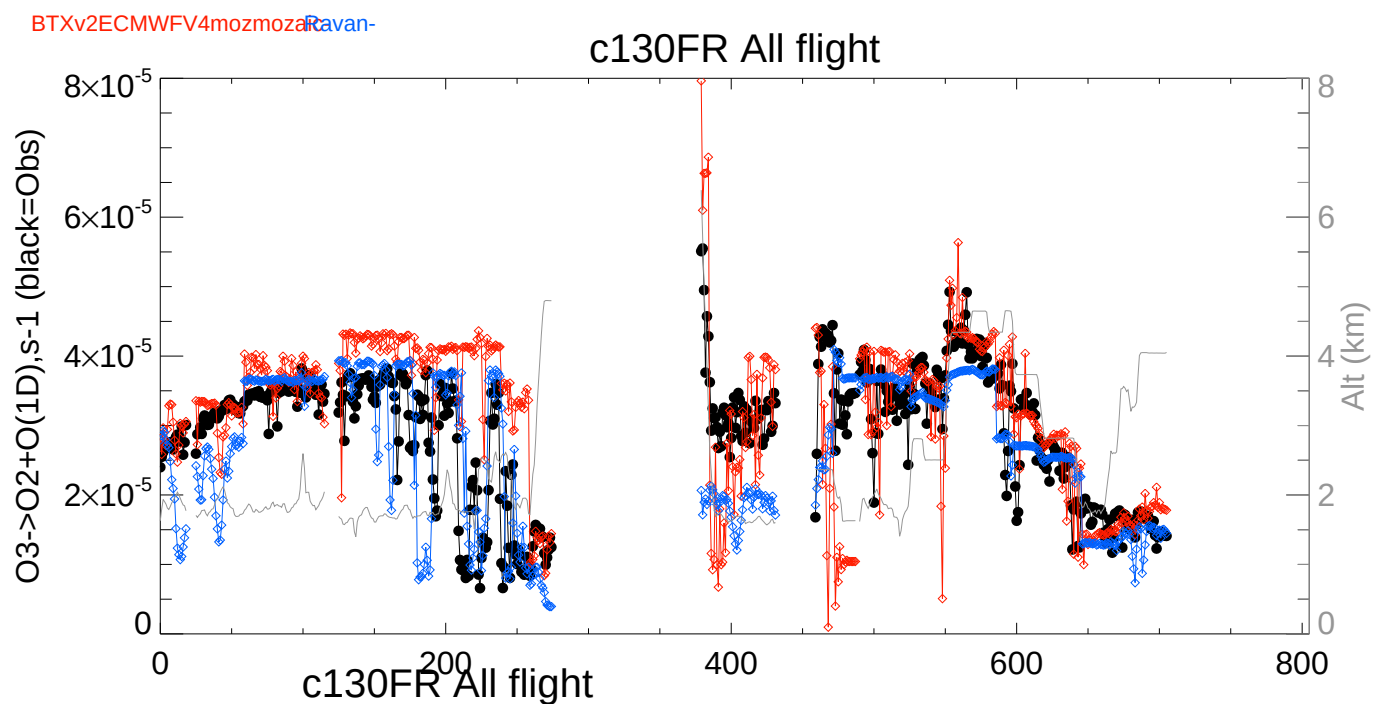


> 3 km

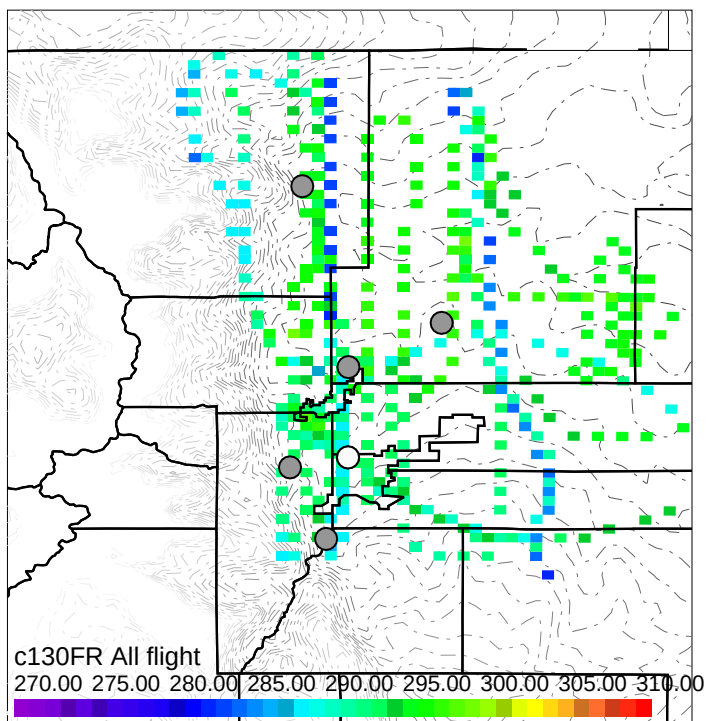


BTXv2ECMWFV4mozmozaic-

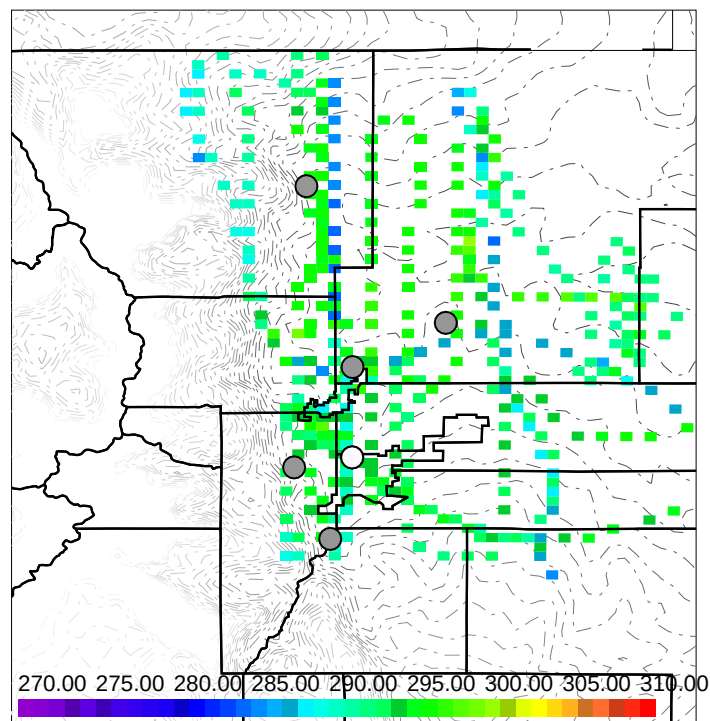
Ravan-



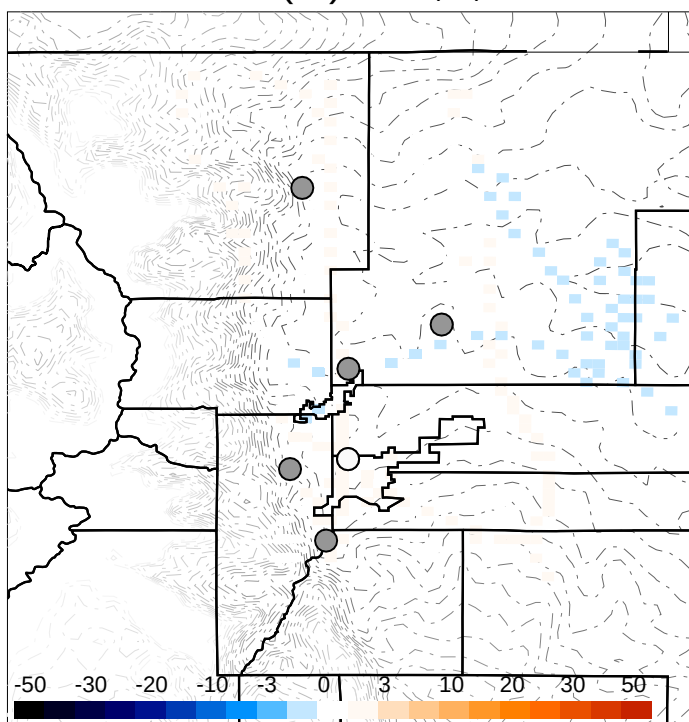
TEMPERATURE,K < 3 km



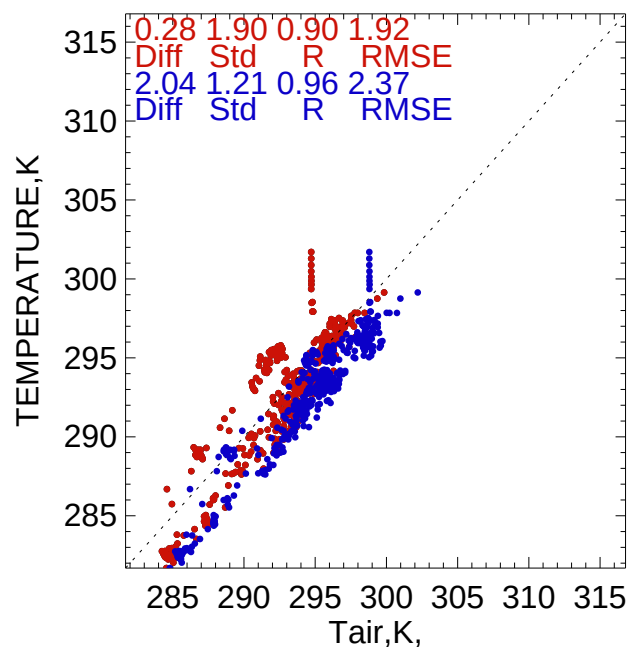
Model Tair,K, < 3 km



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



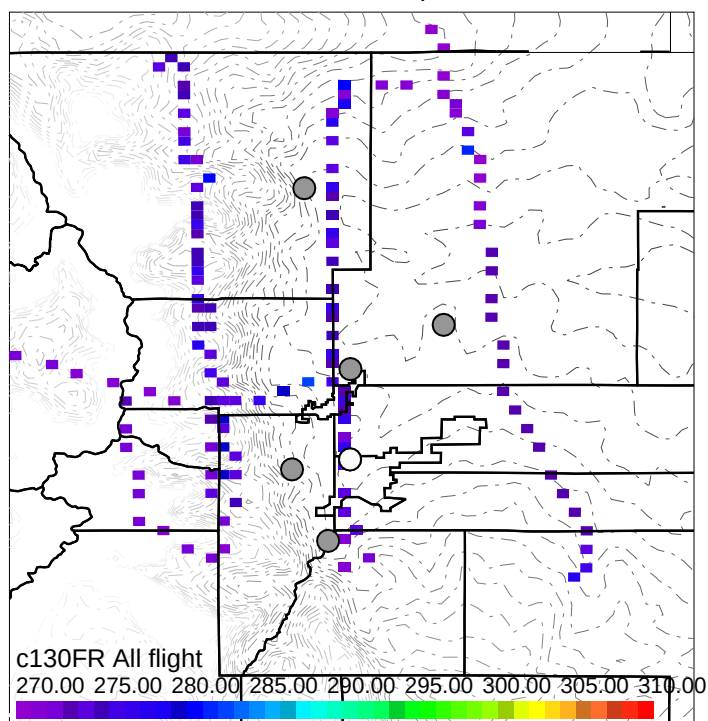
< 3 km



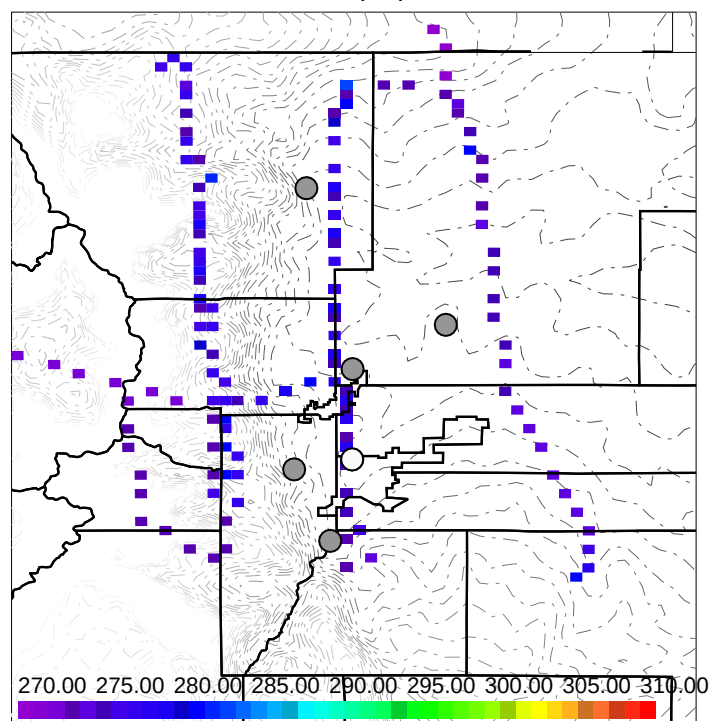
BTXv2ECMWFV4mozmozaic-

Ravan-

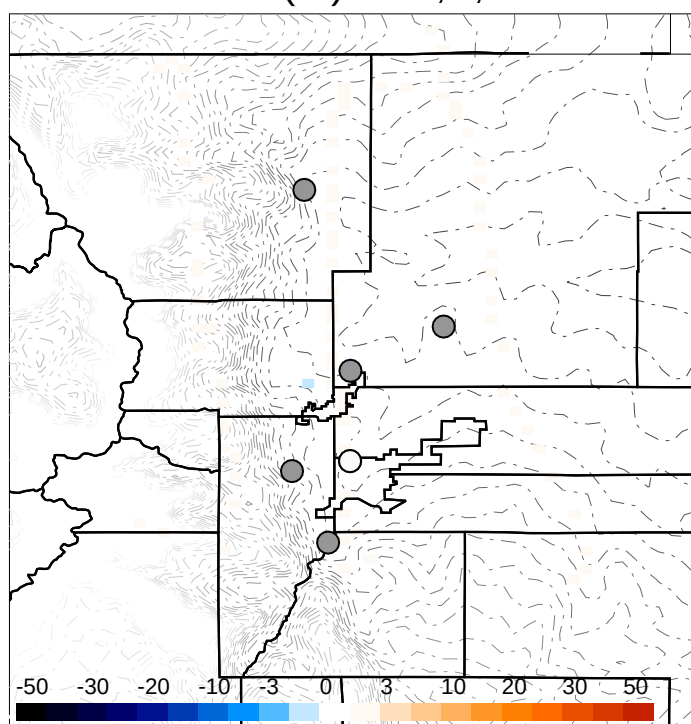
TEMPERATURE,K > 3 km



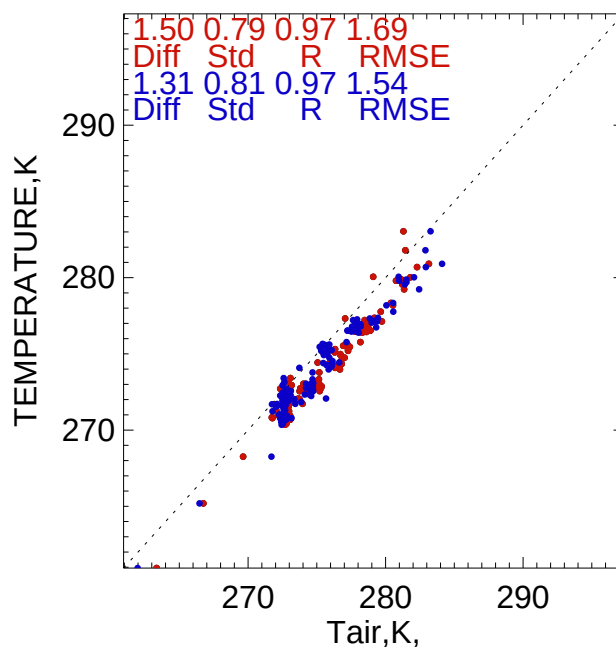
Model Tair,K, > 3 km



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



> 3 km



BTXv2ECMWFV4mozmozaic-

Ravan-

BTXv2ECMWFV4mozmozaRavan-

c130FR All flight

