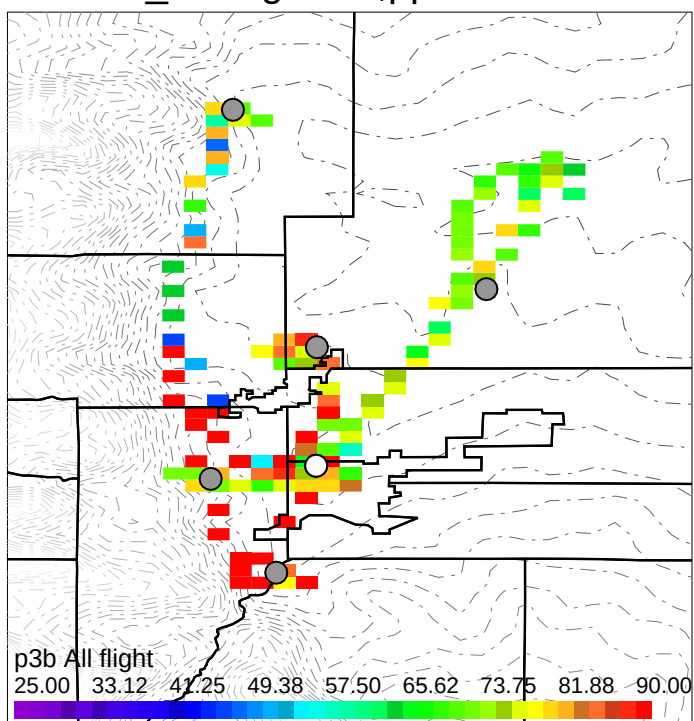
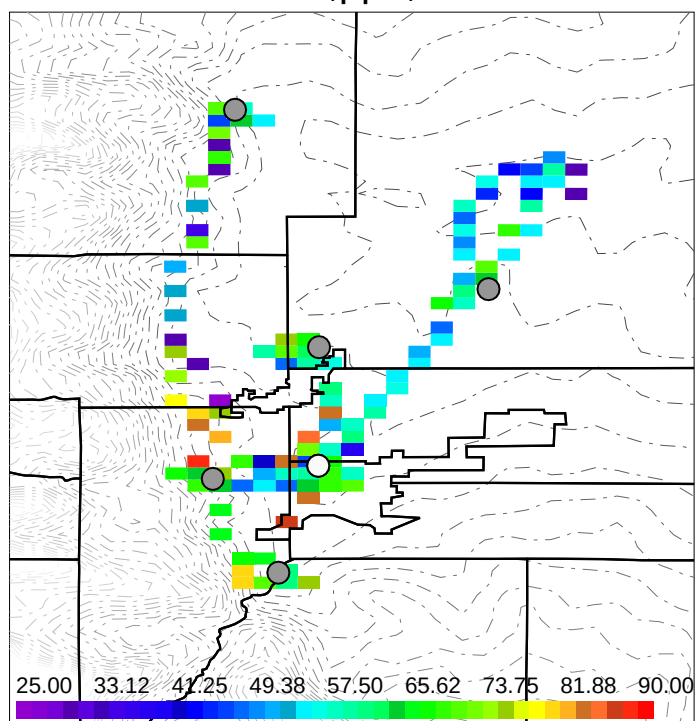


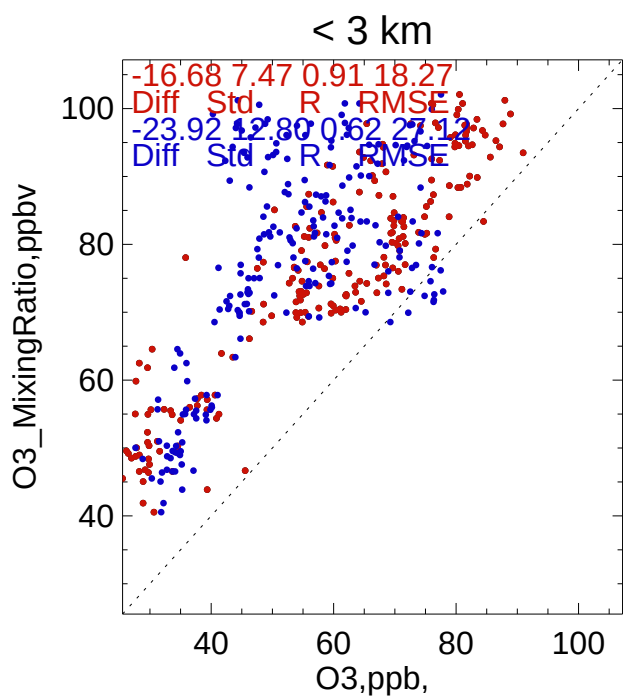
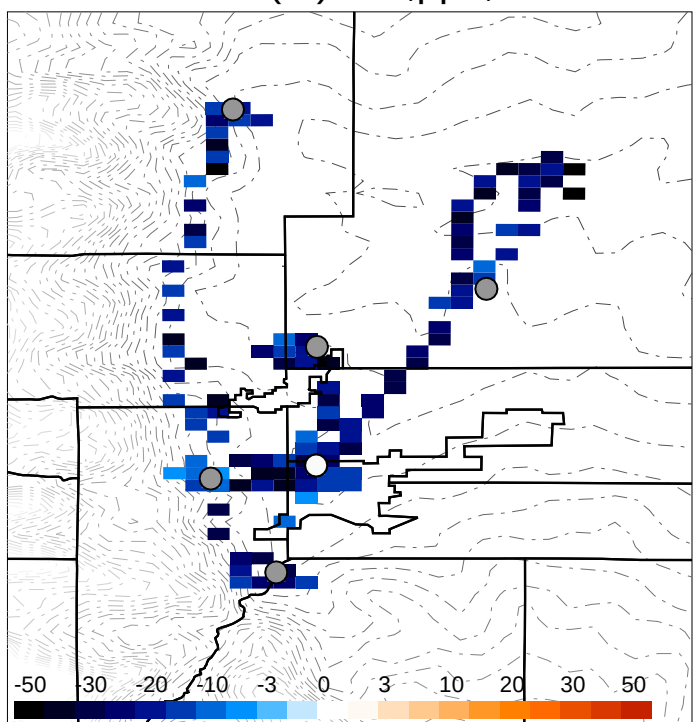
O3_MixingRatio,ppbv < 3 km



Model O3,ppb, < 3 km



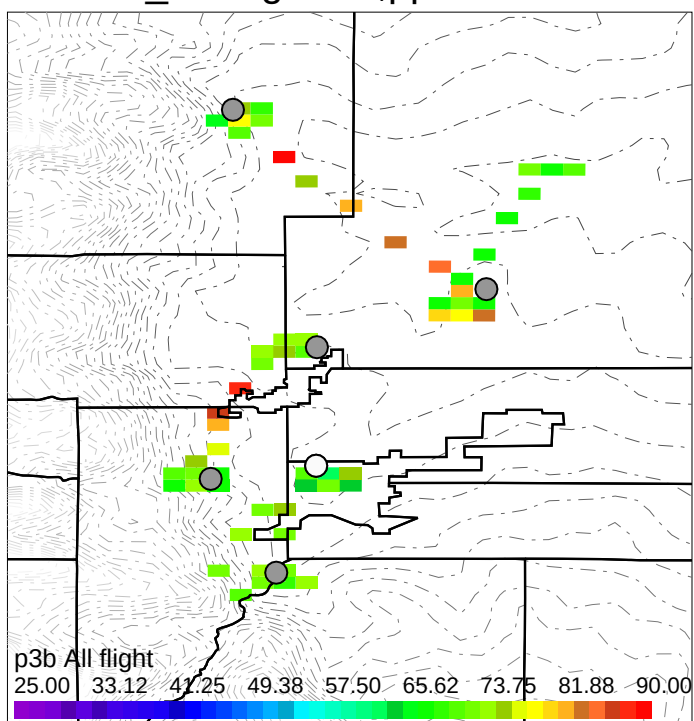
Model-Obs(%) O3,ppb, < 3 km



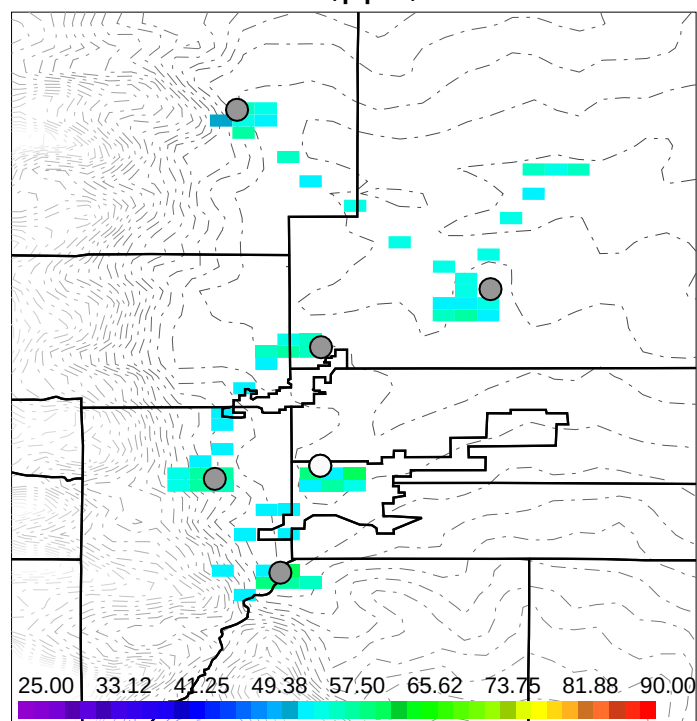
BTXv2ECMWFV4mozmozaic-

Ravan-

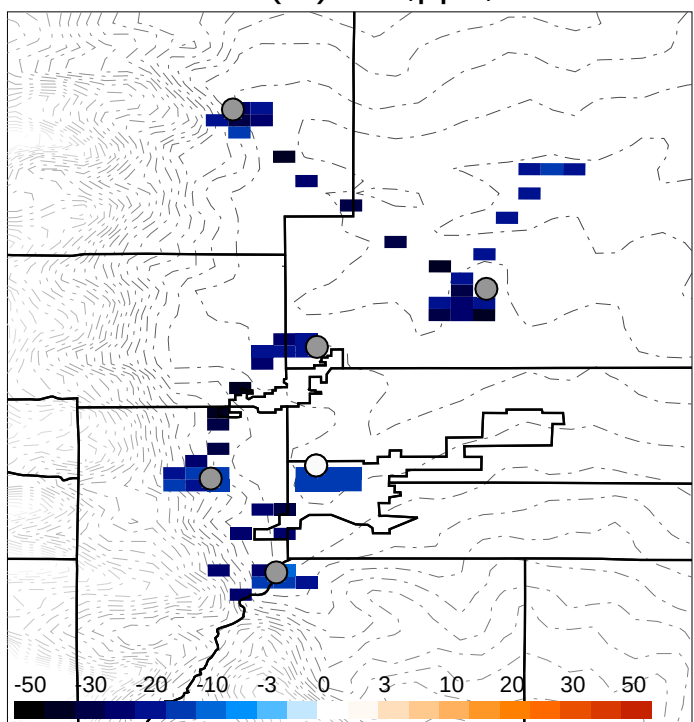
O3_MixingRatio,ppbv > 3 km



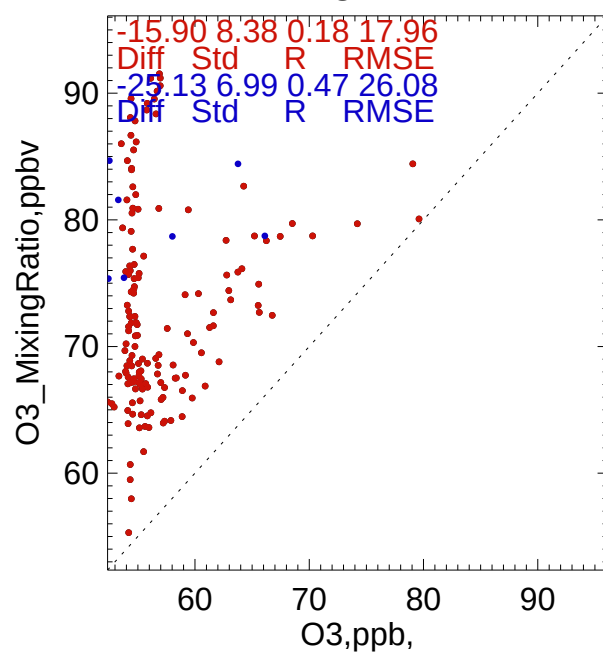
Model O3,ppb, > 3 km



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



> 3 km

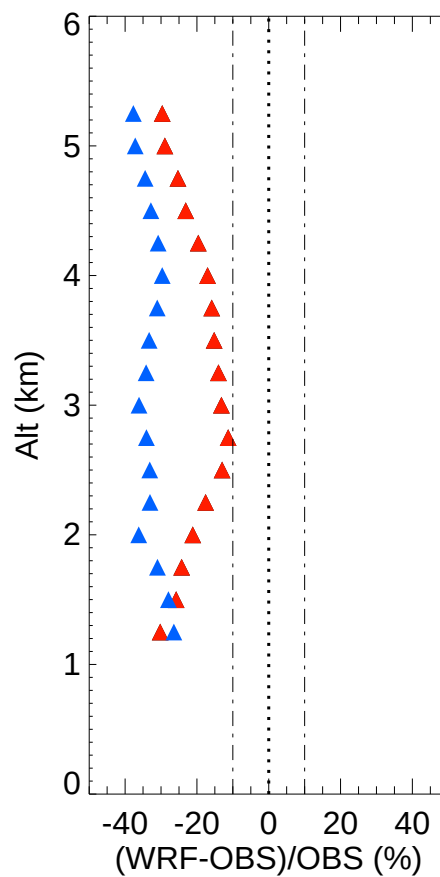
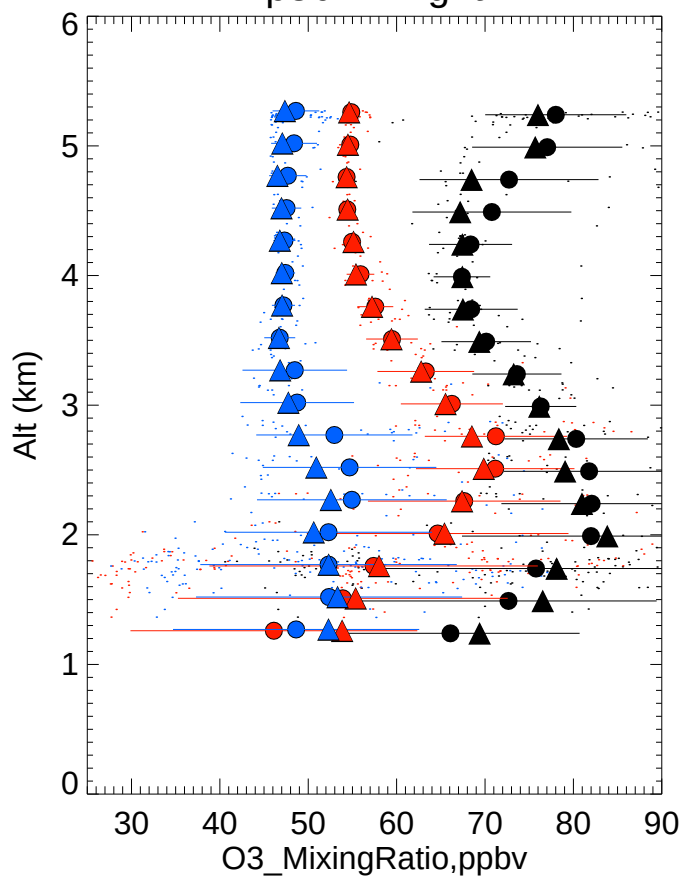
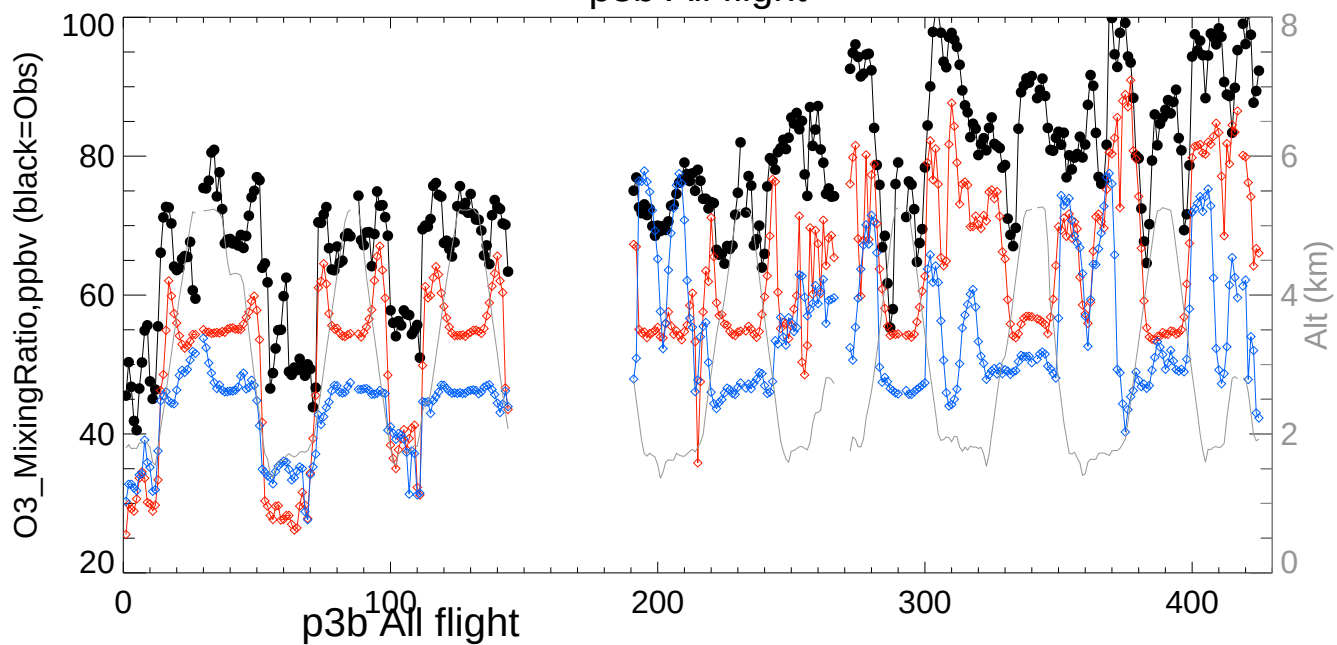


BTXv2ECMWFV4mozmozaic-

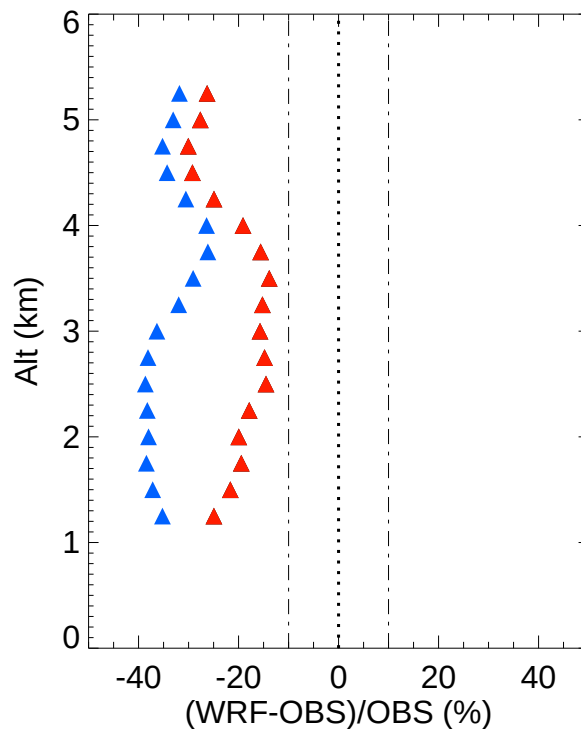
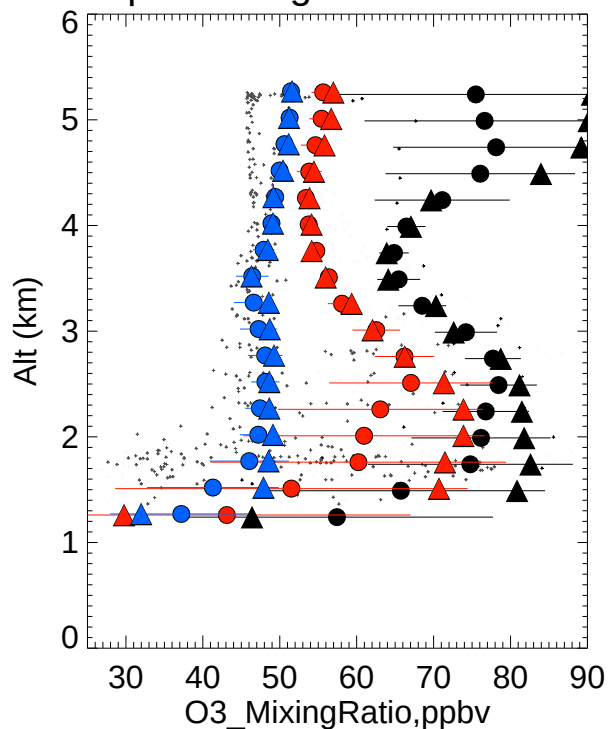
Ravan-

BTXv2ECMWFV4mozmozaravan-

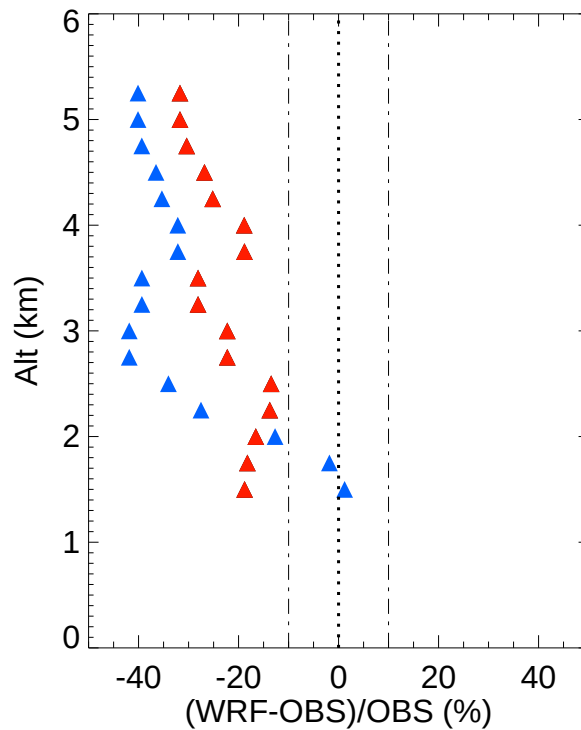
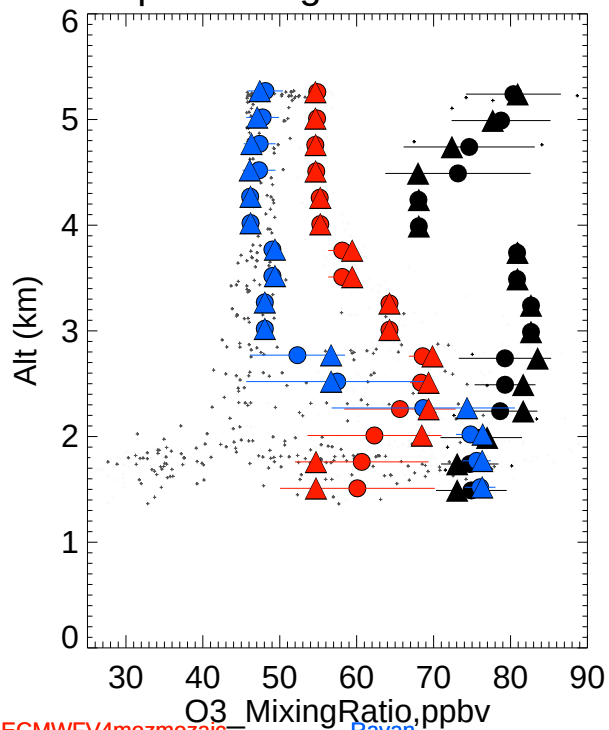
p3b All flight

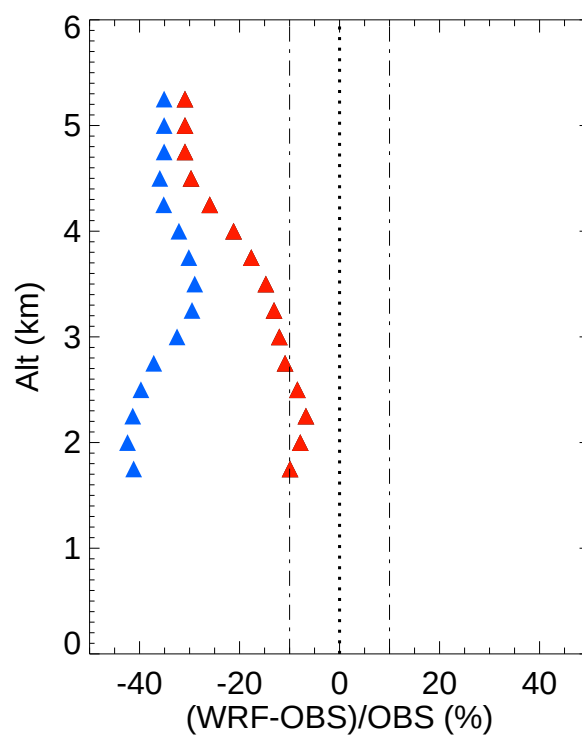
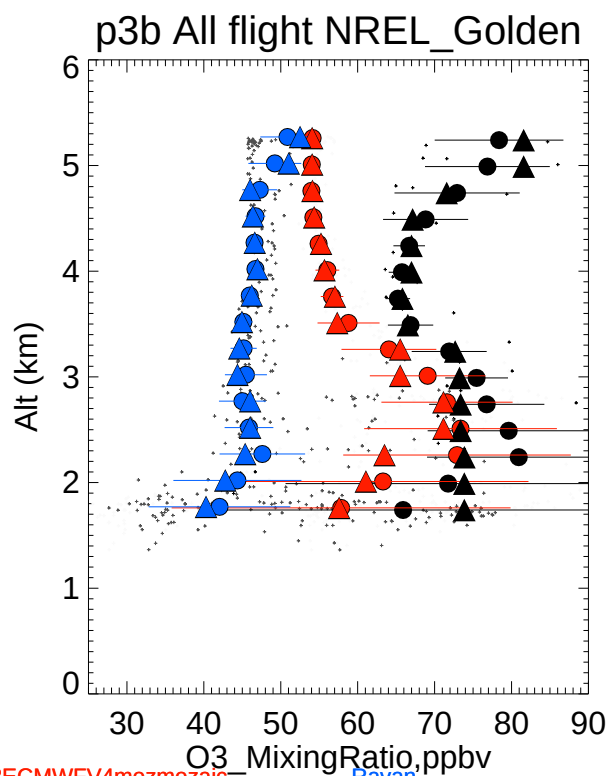
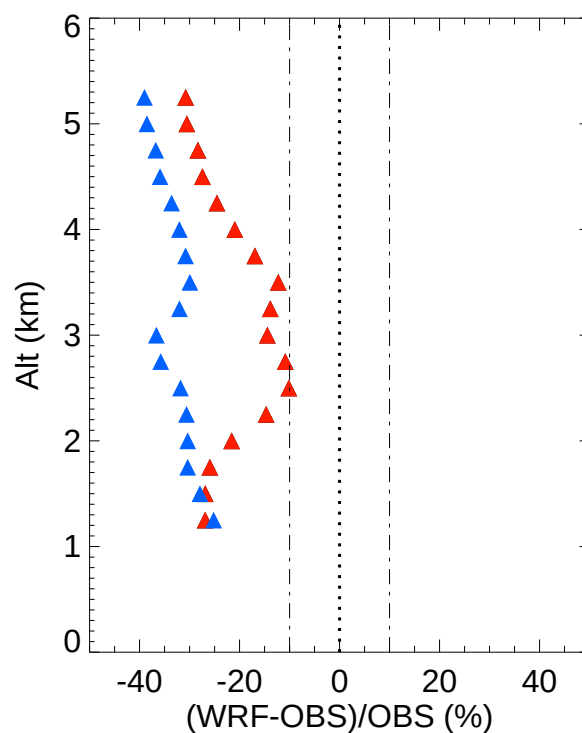
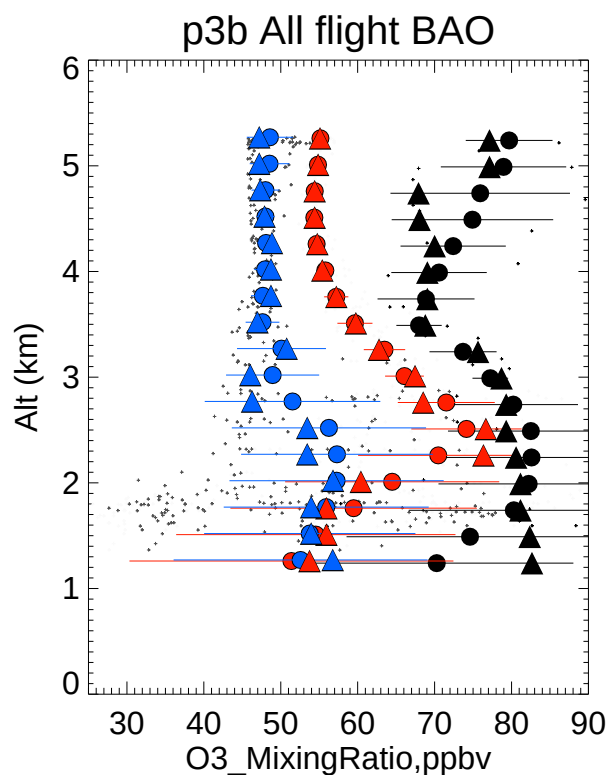


p3b All flight FortCollins

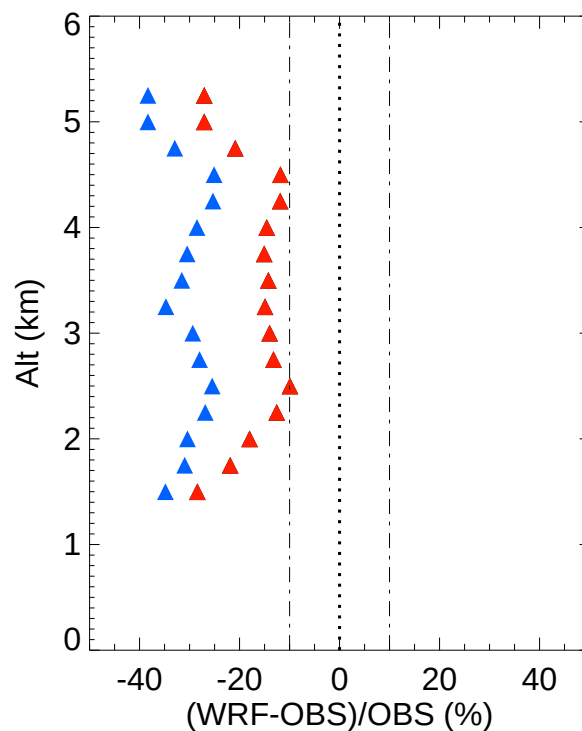
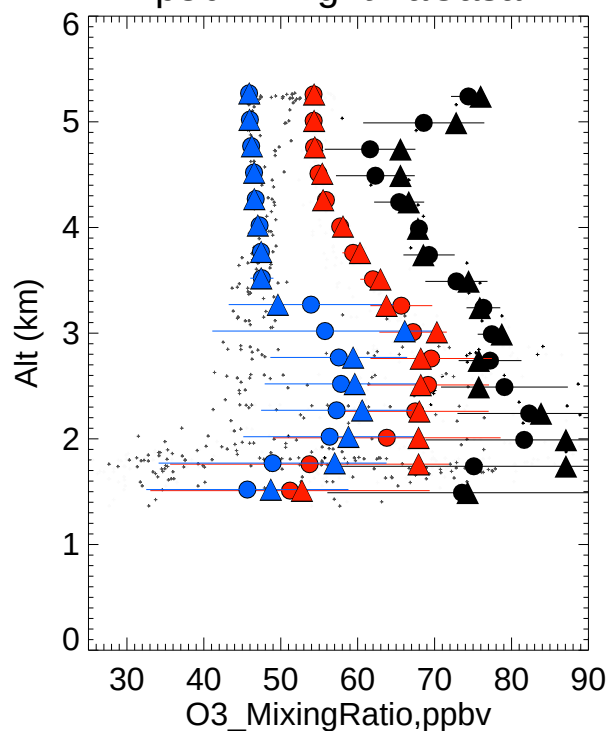


p3b All flight Platteville

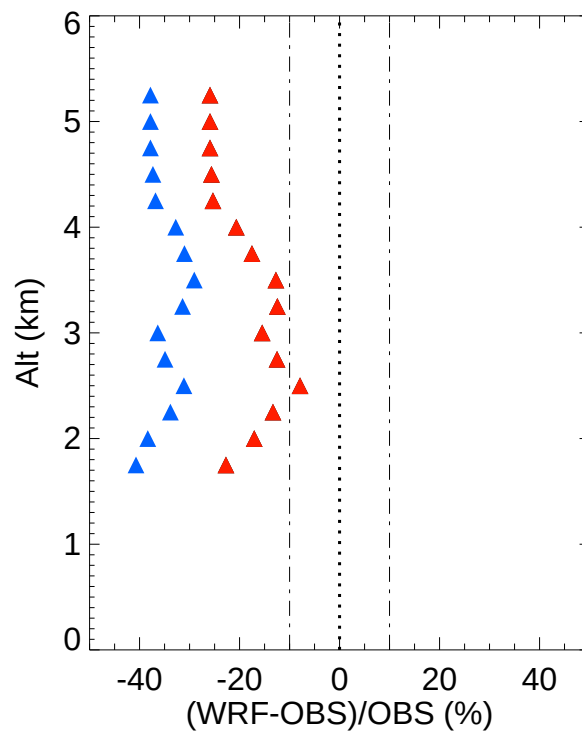
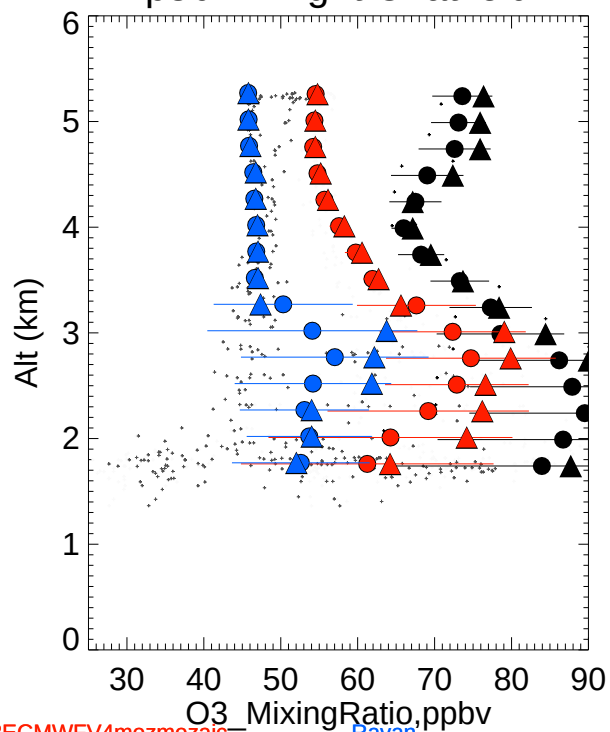




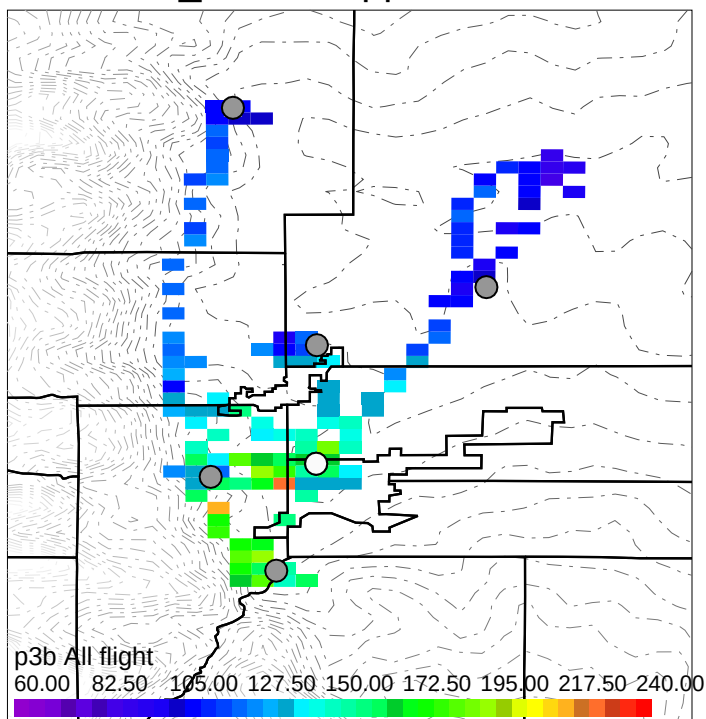
p3b All flight LaCasa



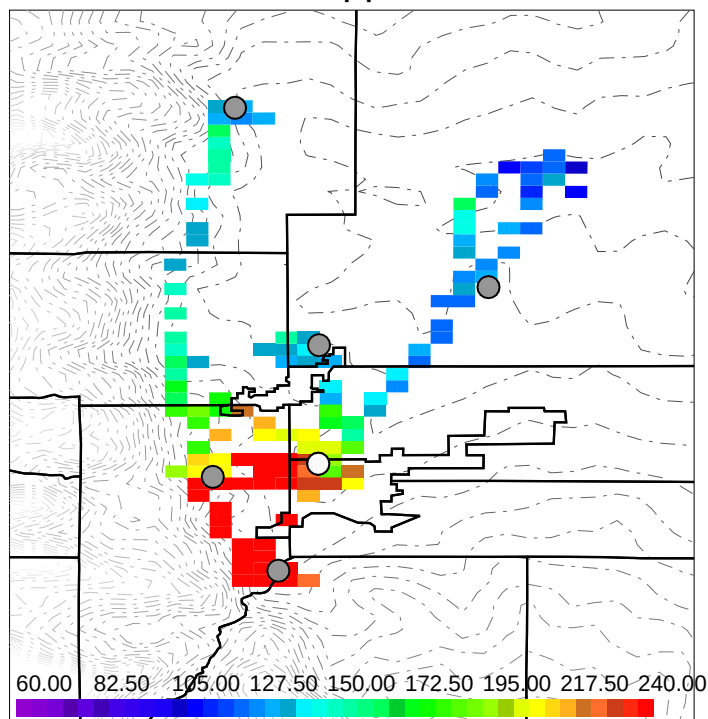
p3b All flight Chatfield



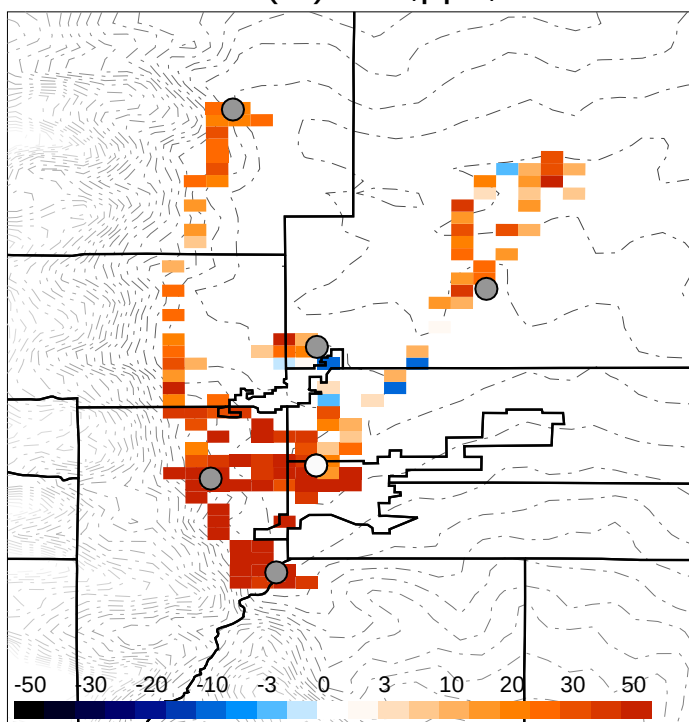
CO_DACOM,ppbv < 3 km



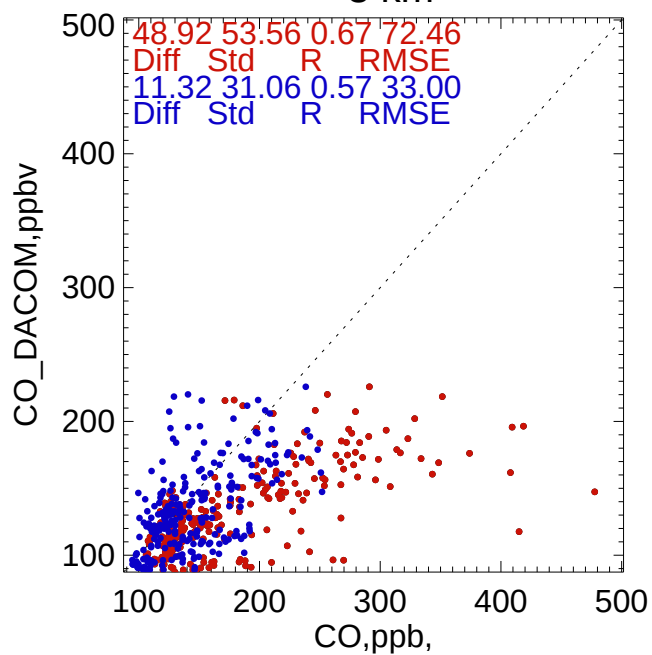
Model CO,ppb, < 3 km



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



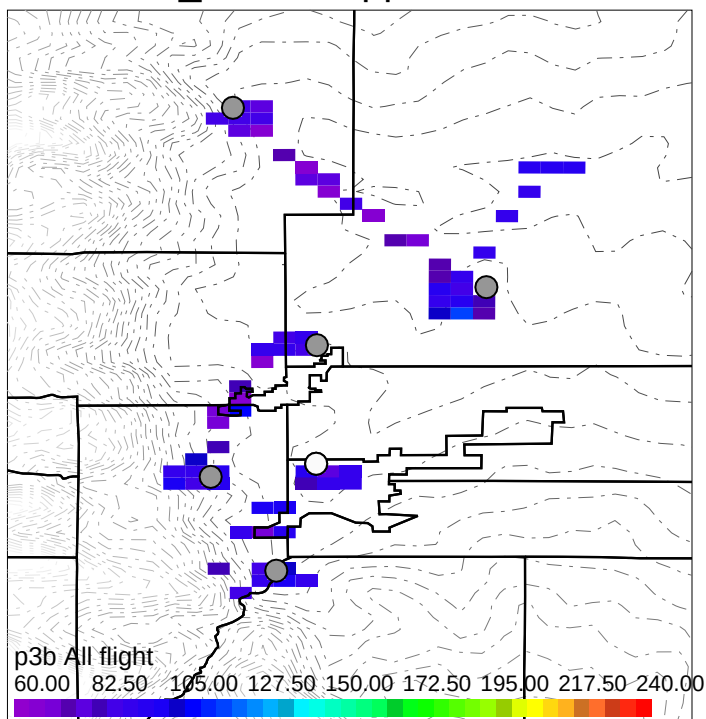
< 3 km



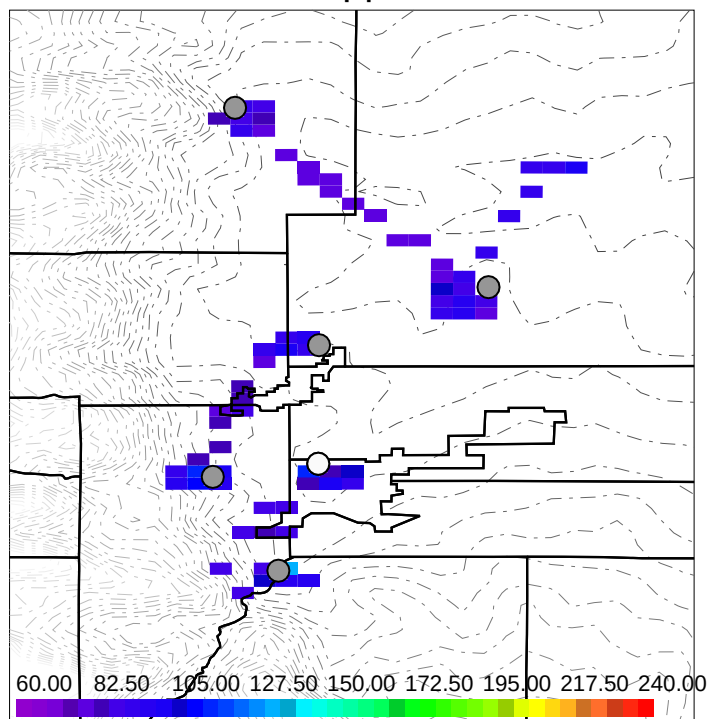
BTXv2ECMWFV4mozmozaic-

Ravan-

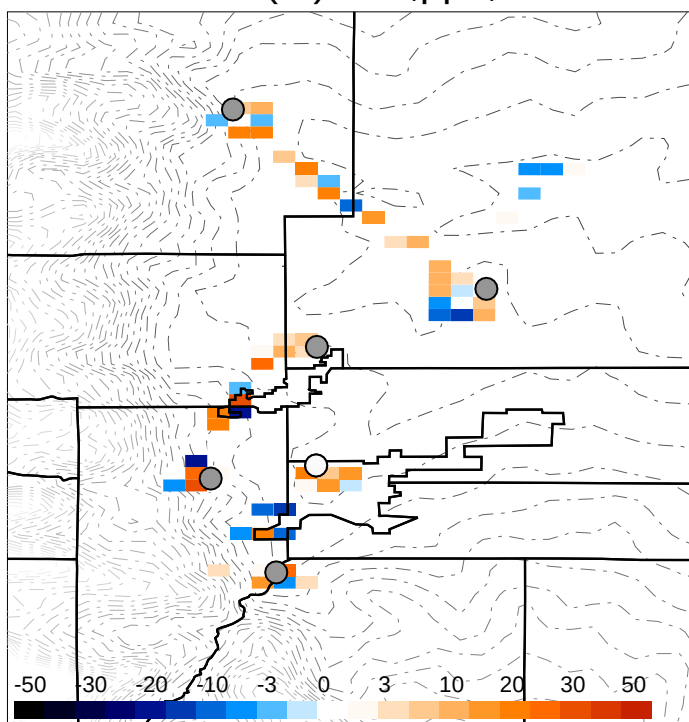
CO_DACOM,ppbv > 3 km



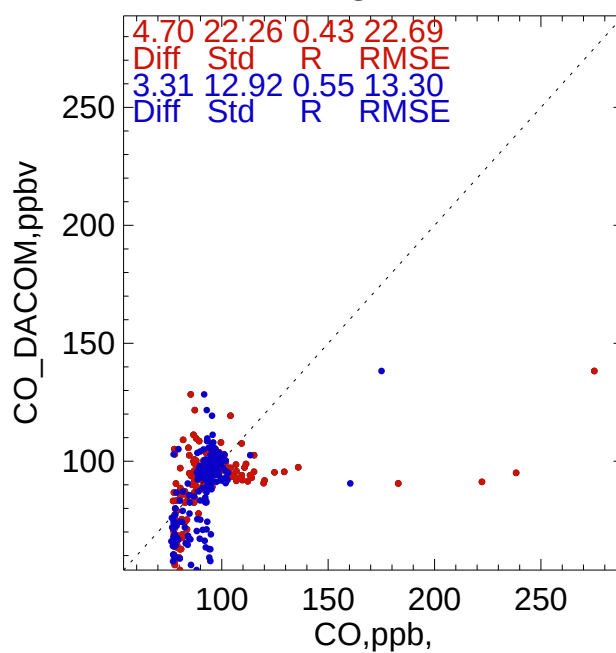
Model CO,ppb, > 3 km



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



> 3 km

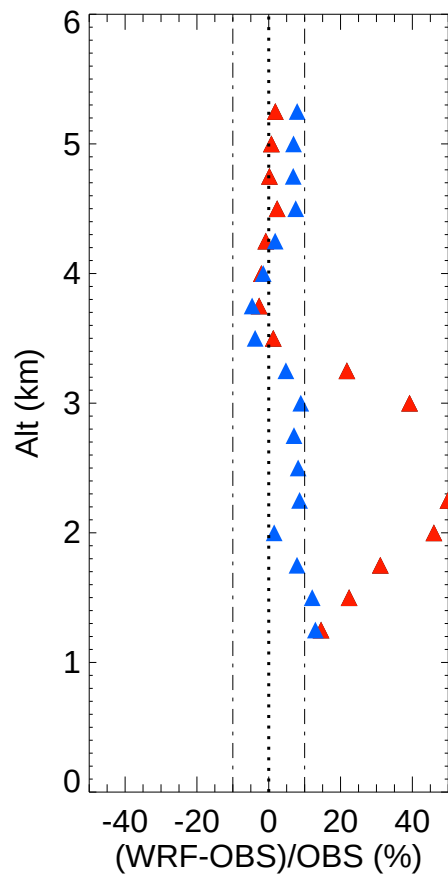
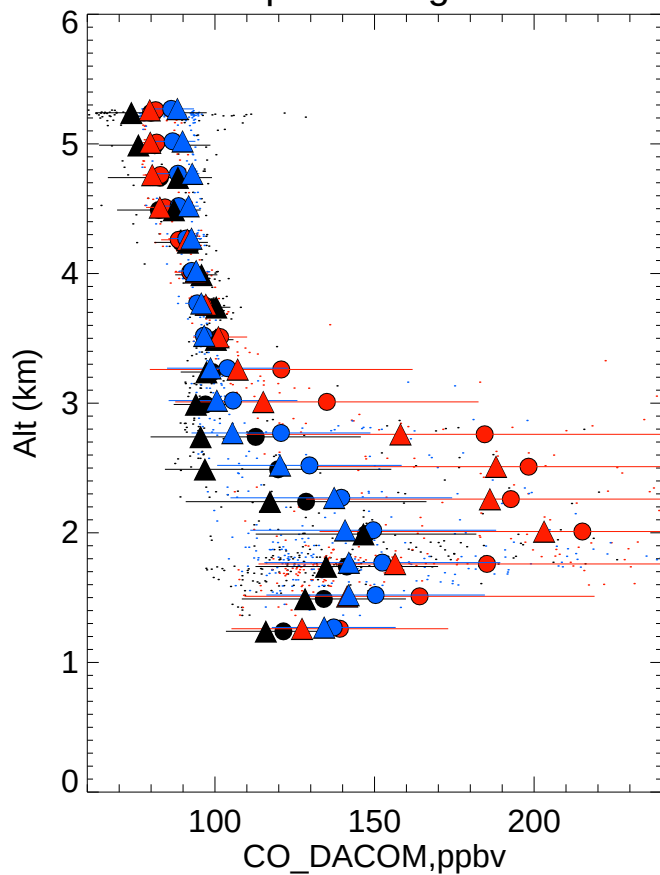
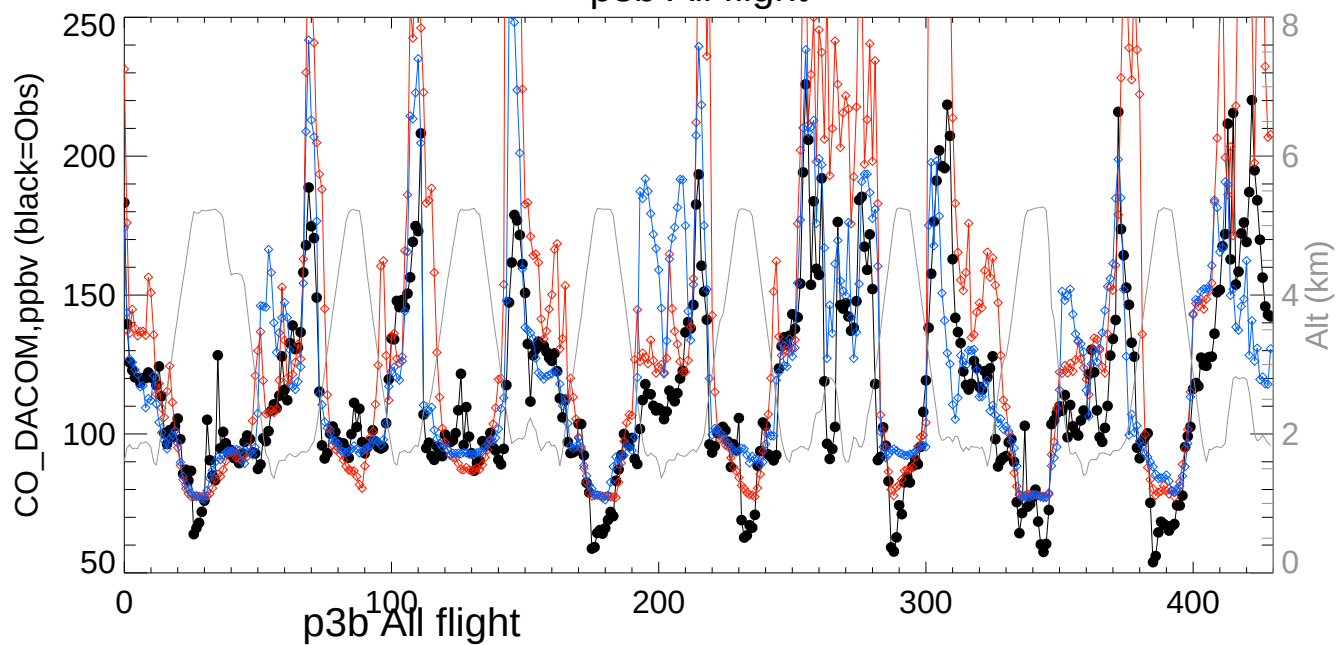


BTXv2ECMWFV4mozmozaic-

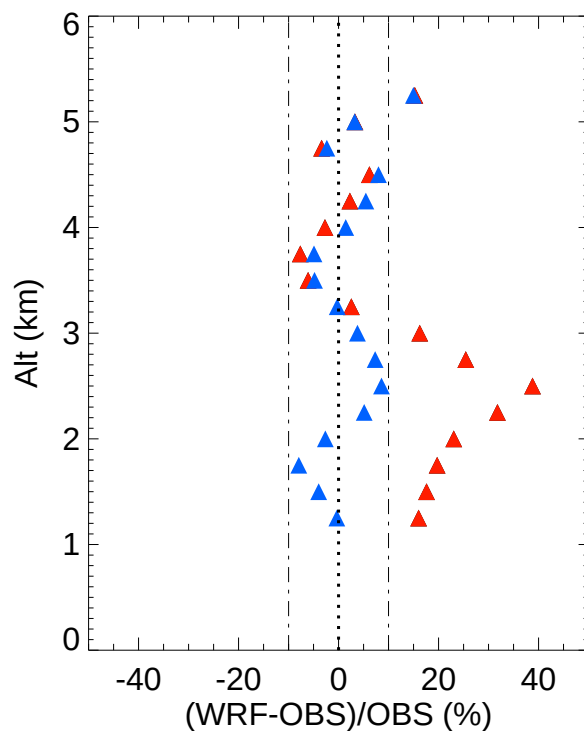
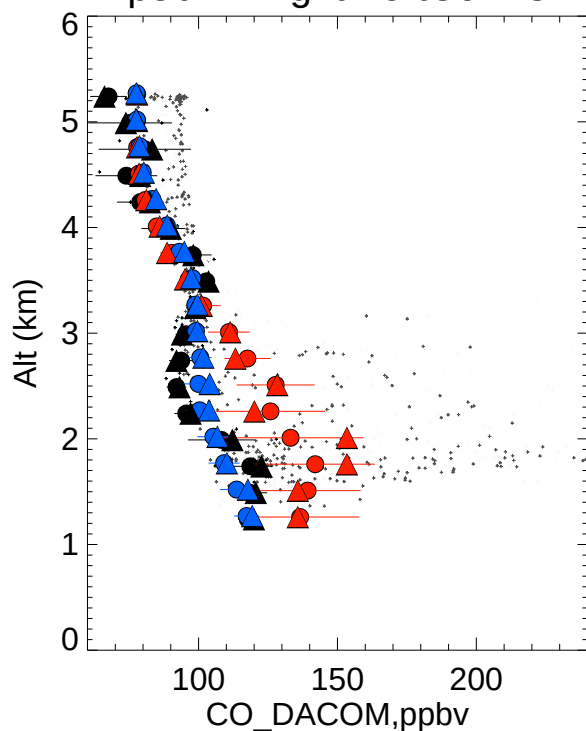
Ravan-

BTXv2ECMWFV4mozmozarRavan-

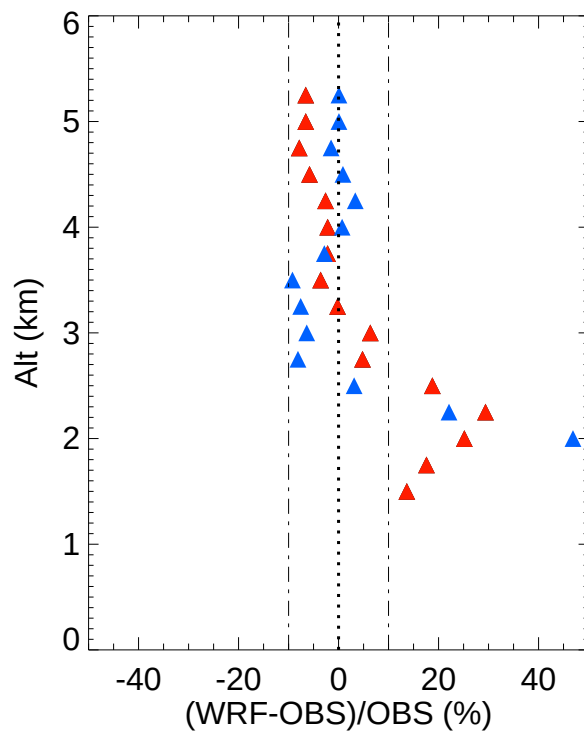
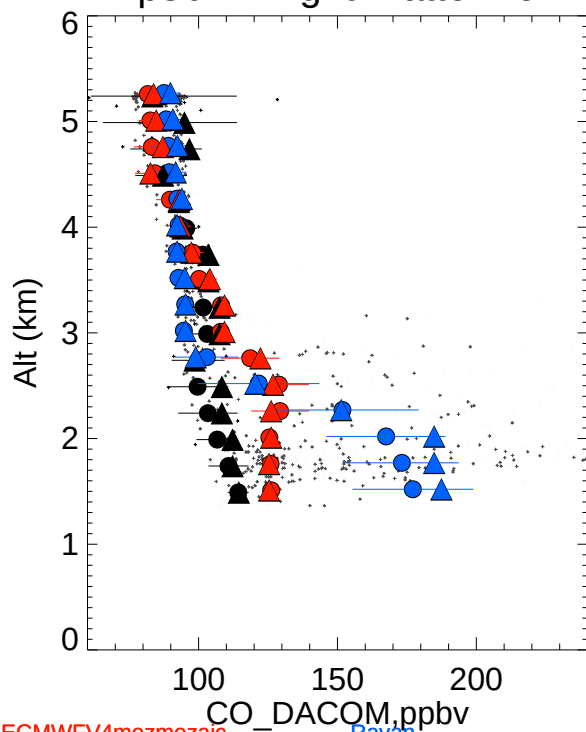
p3b All flight

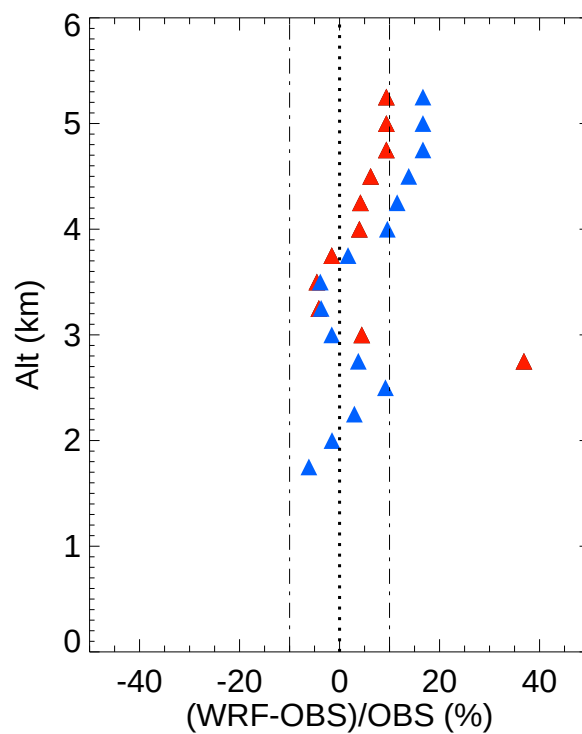
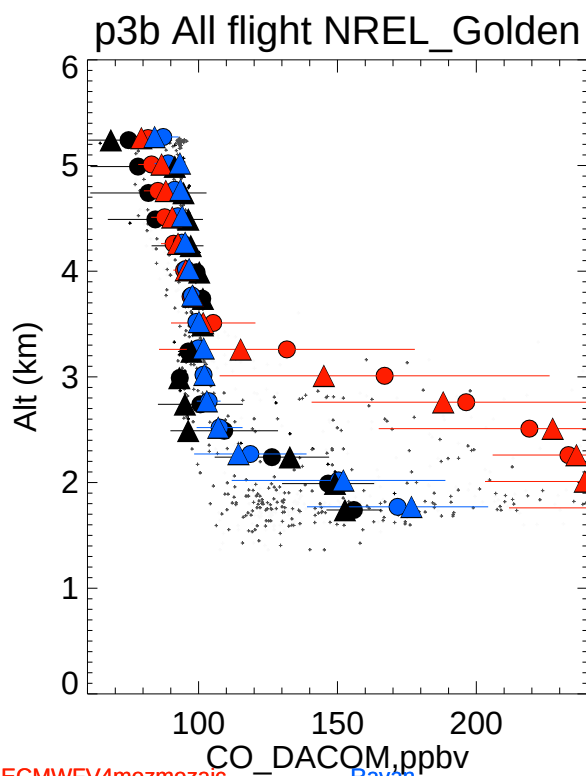
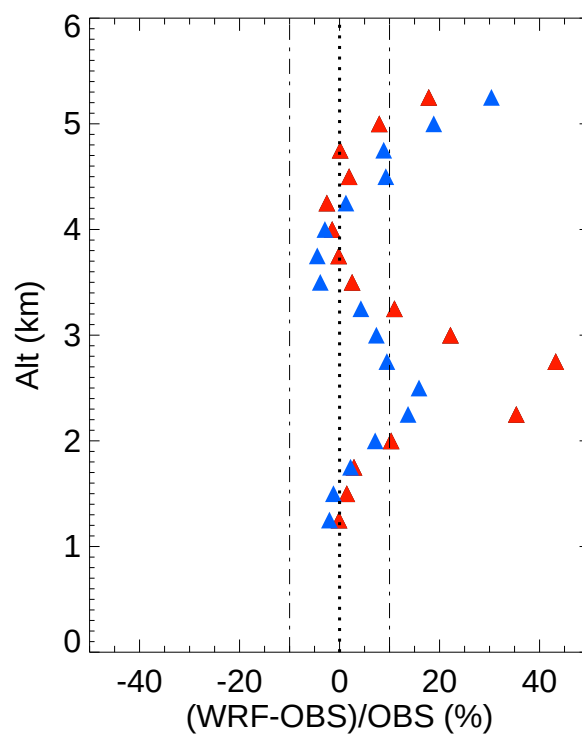
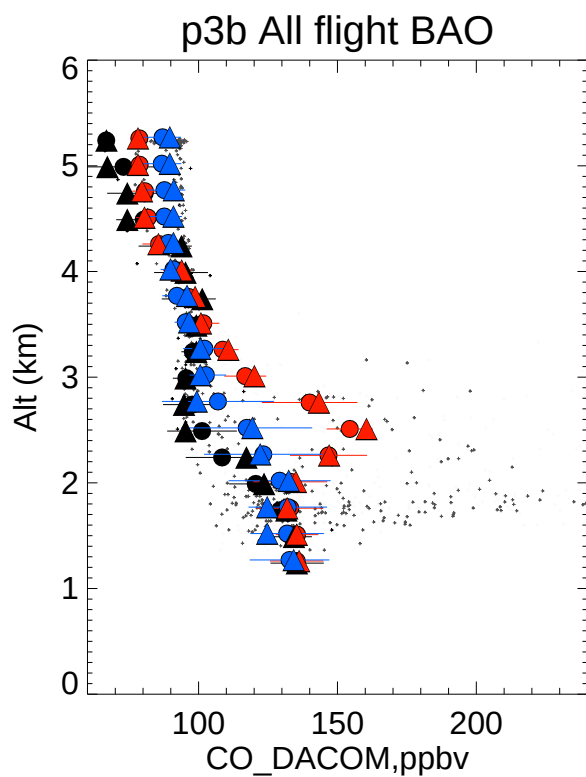


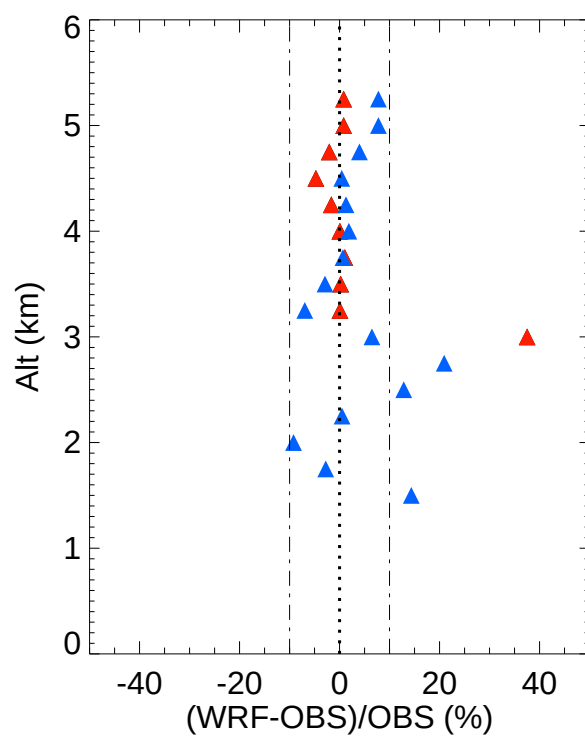
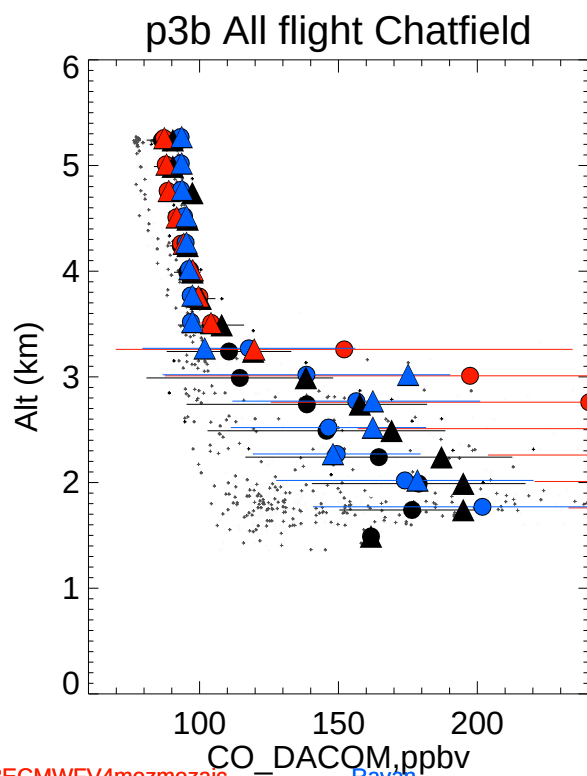
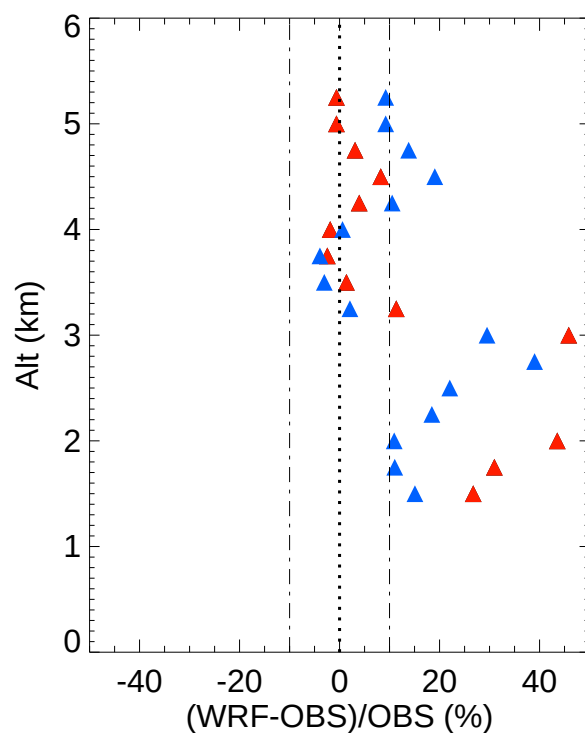
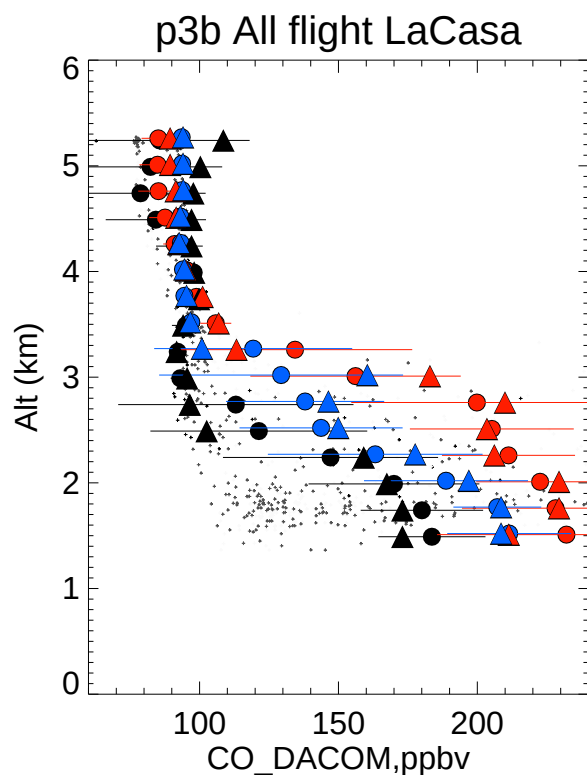
p3b All flight FortCollins



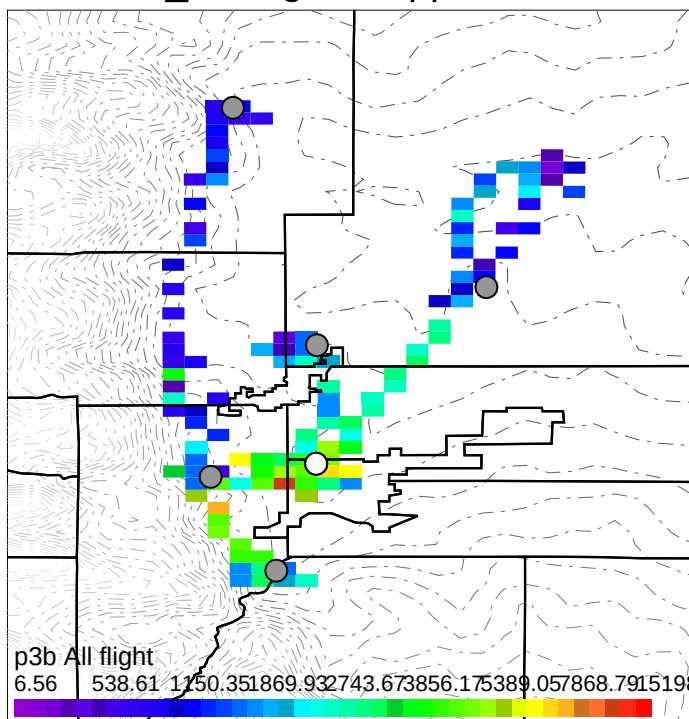
p3b All flight Platteville



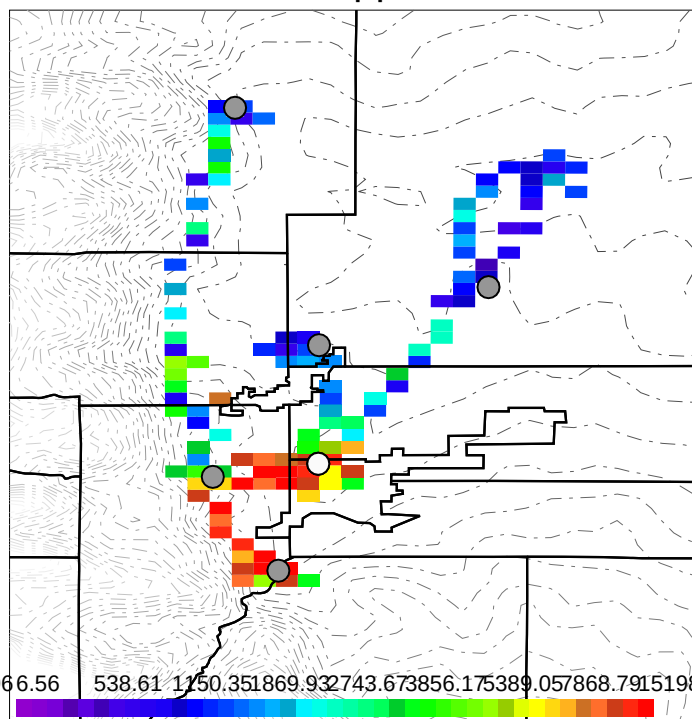




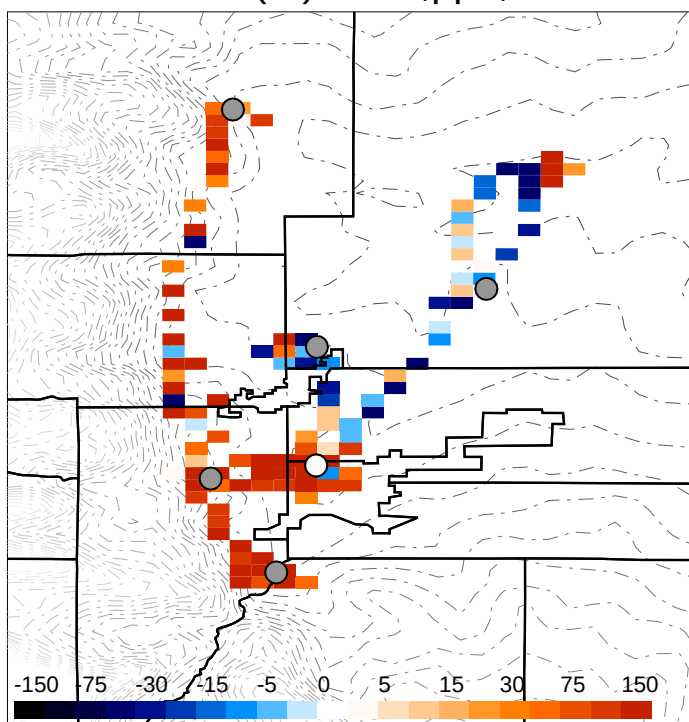
NO2_MixingRatio,pptv < 3 km



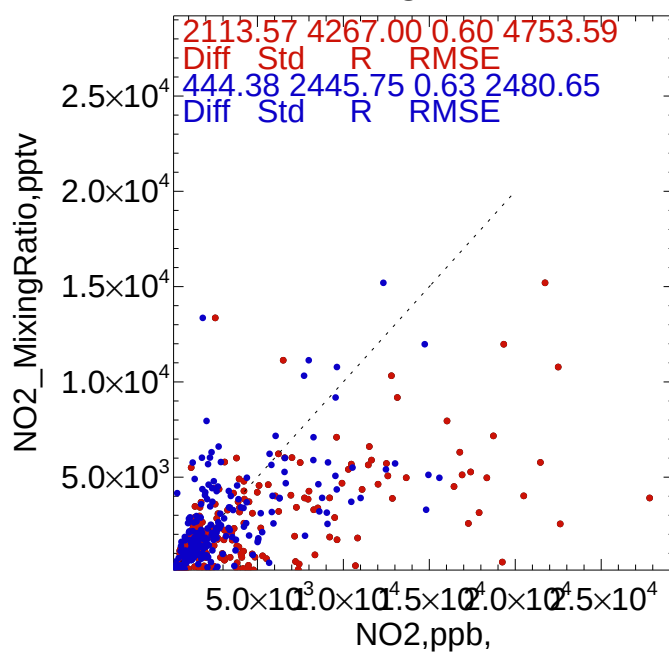
Model NO2,ppb, < 3 km



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



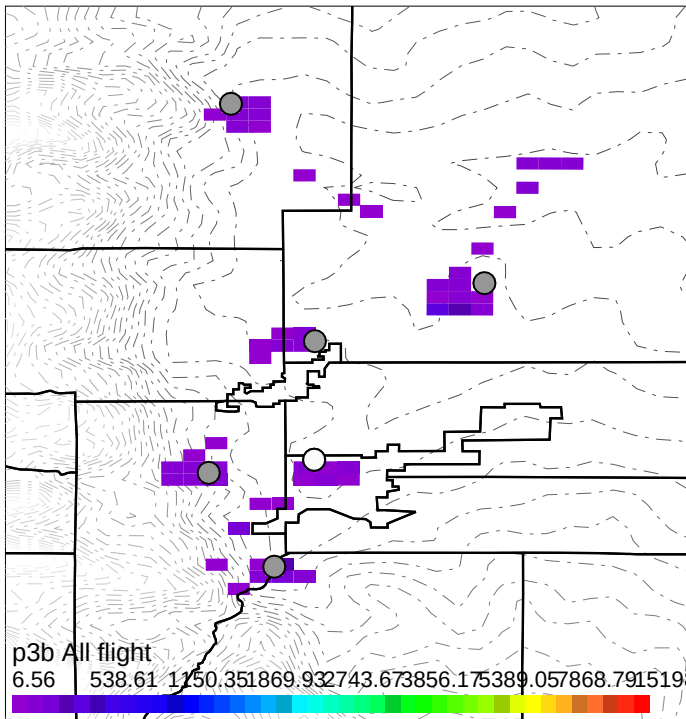
< 3 km



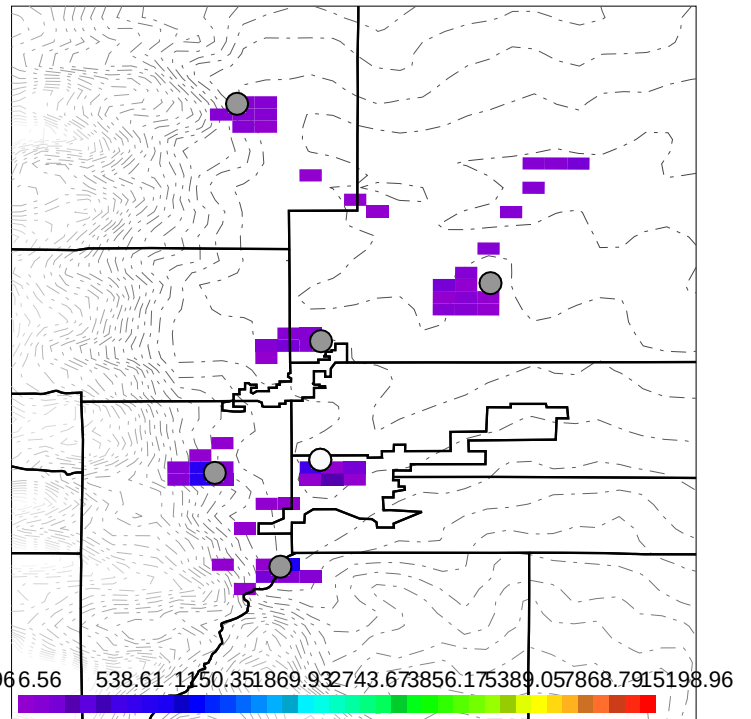
BTXv2ECMWFV4mozmozaic-

Ravan-

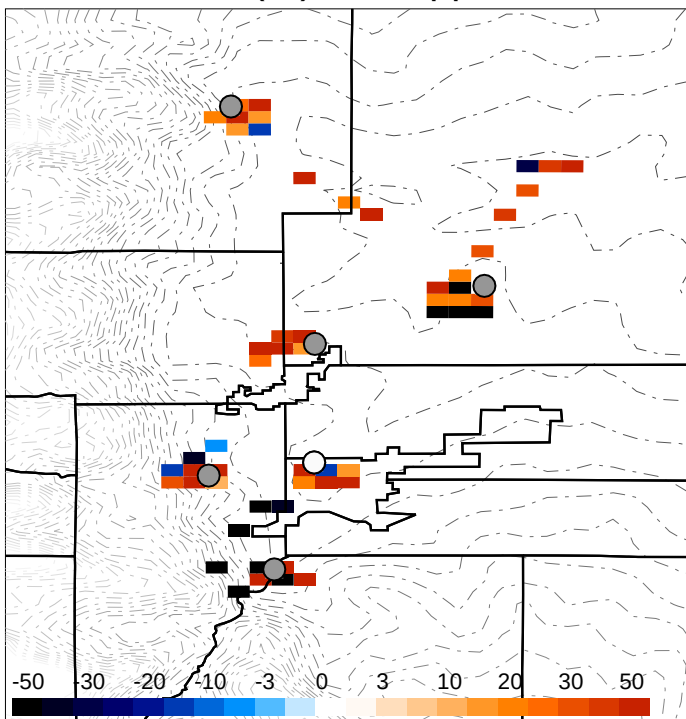
NO2_MixingRatio,pptv > 3 km



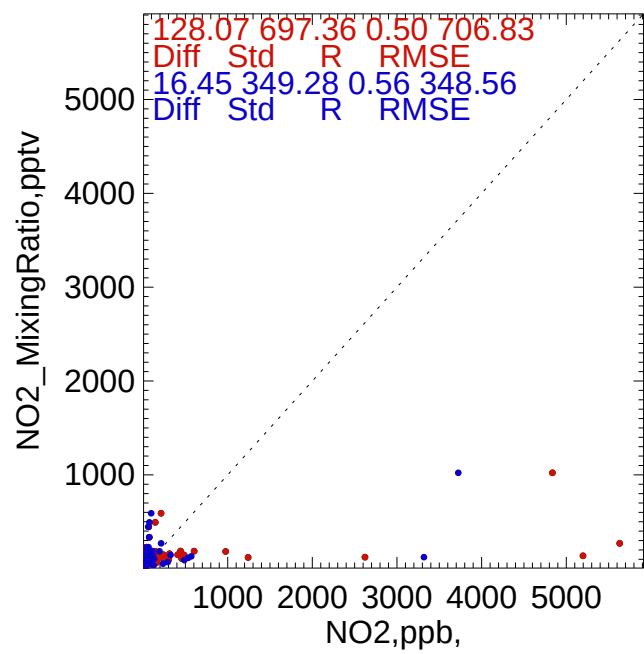
Model NO2,ppb, > 3 km



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



> 3 km

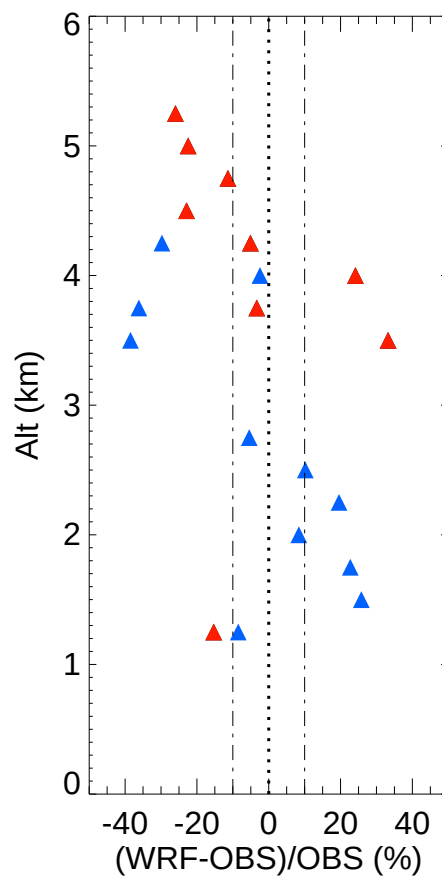
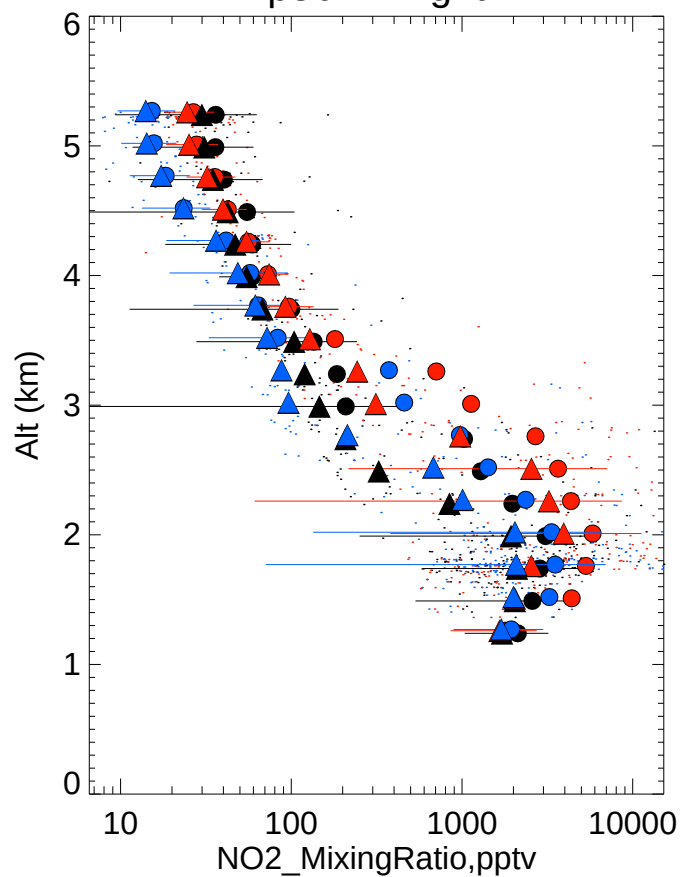
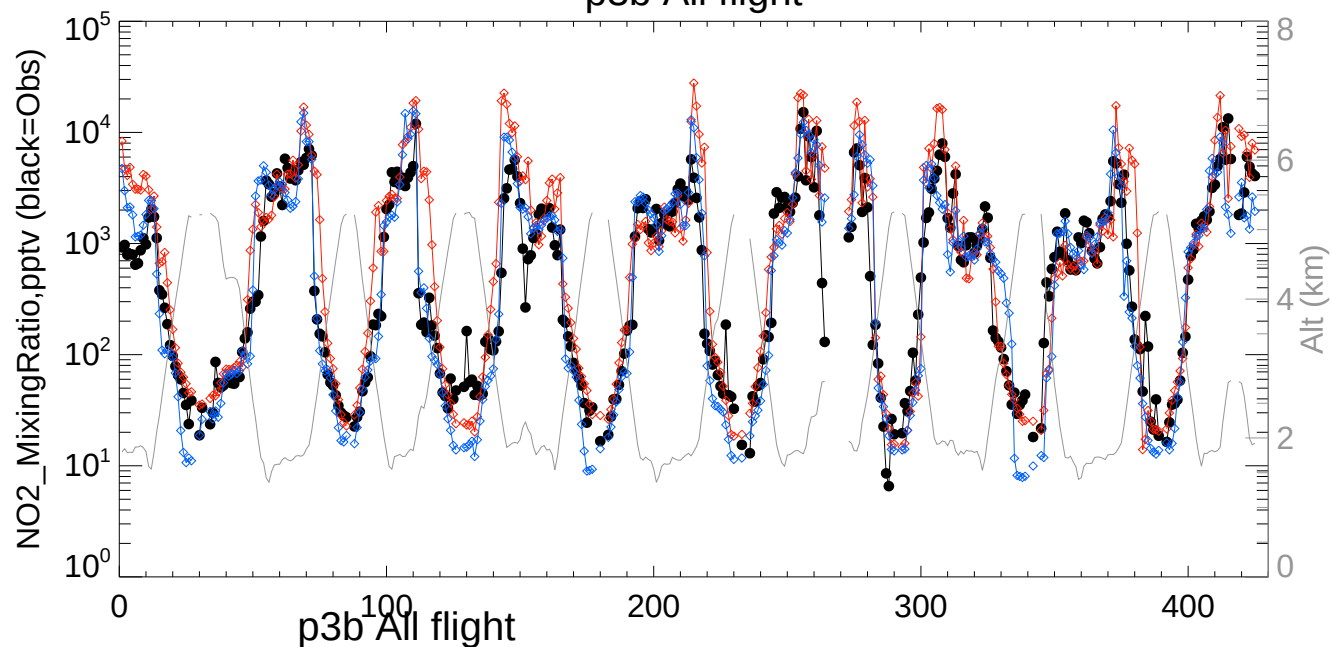


BTXv2ECMWFV4mozmozaic-

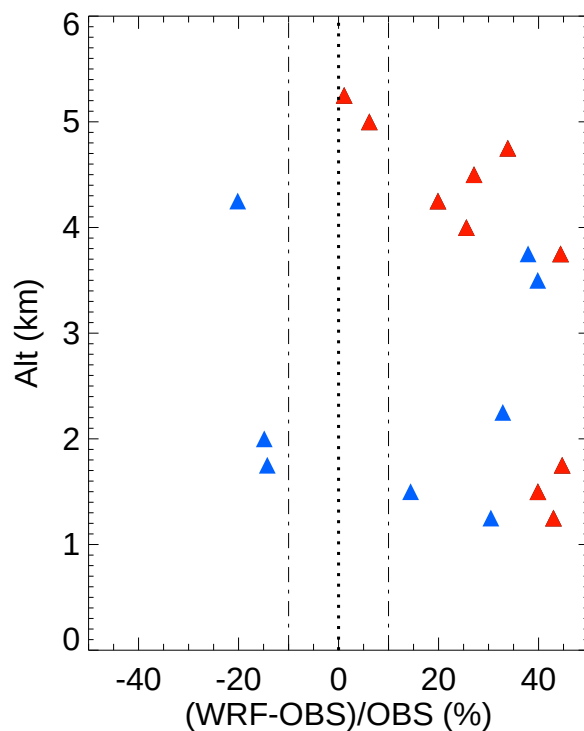
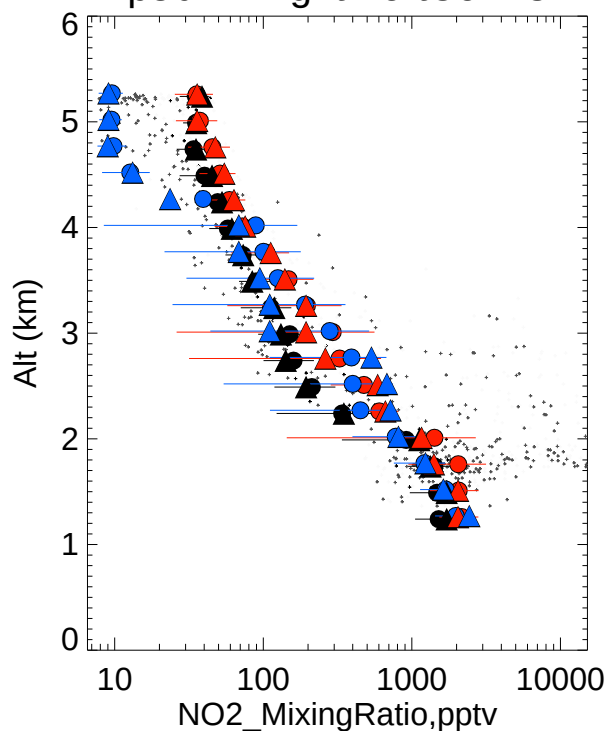
Ravan-

BTXv2ECMWFV4mozmozaRavan-

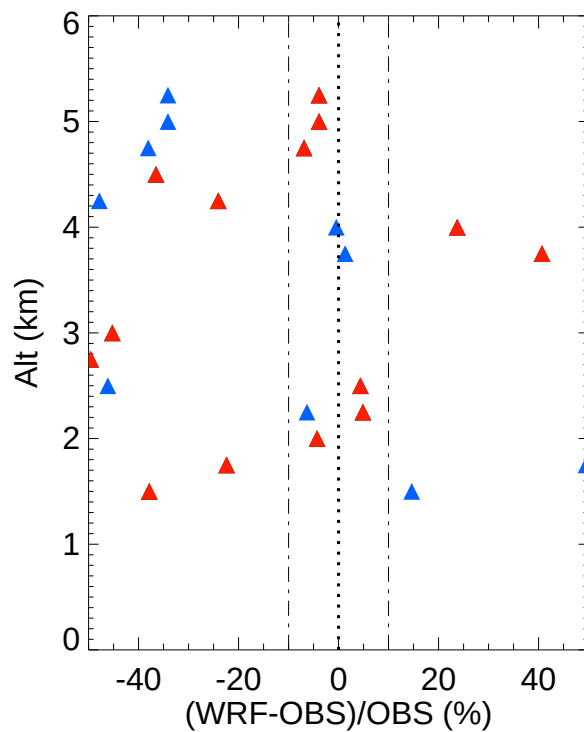
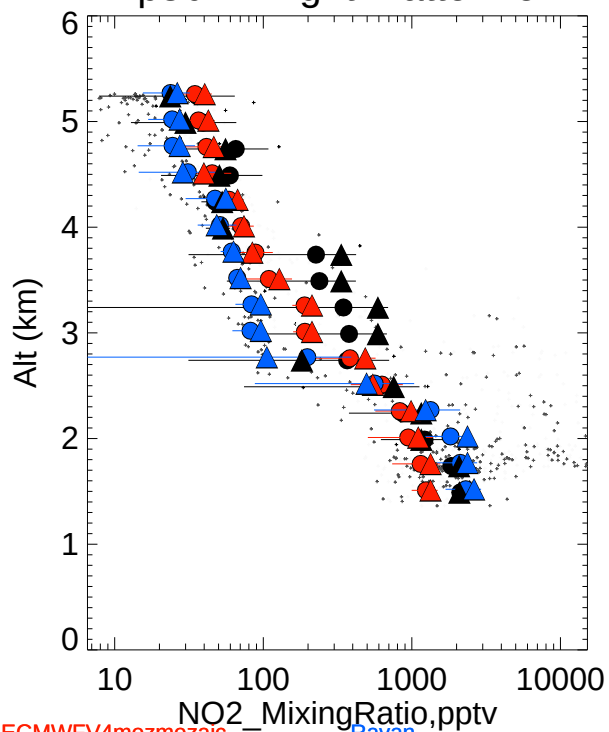
p3b All flight

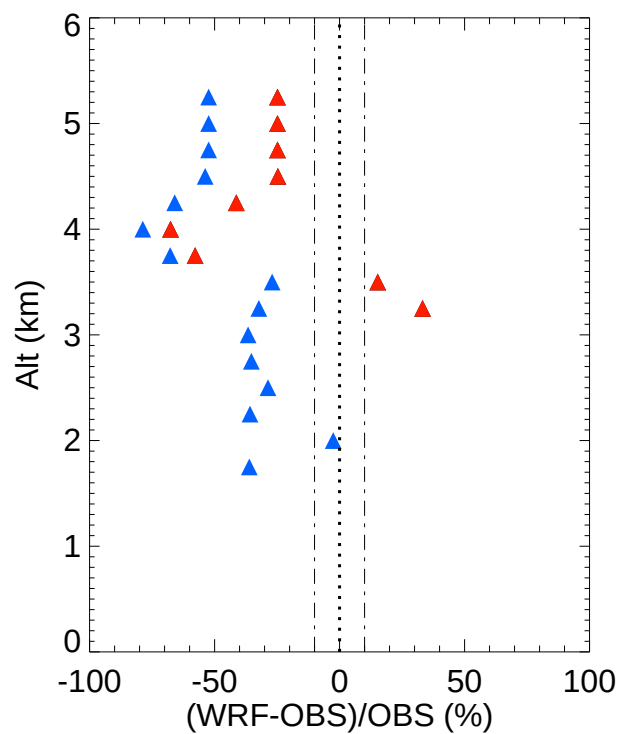
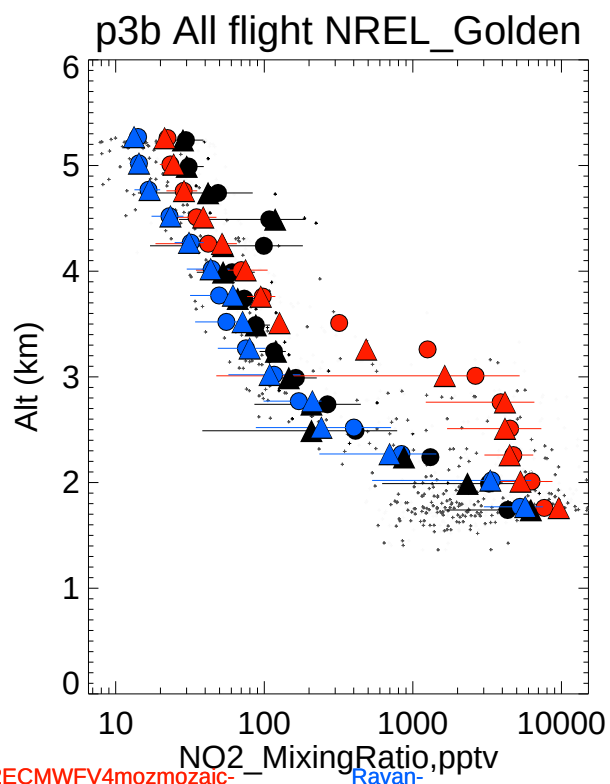
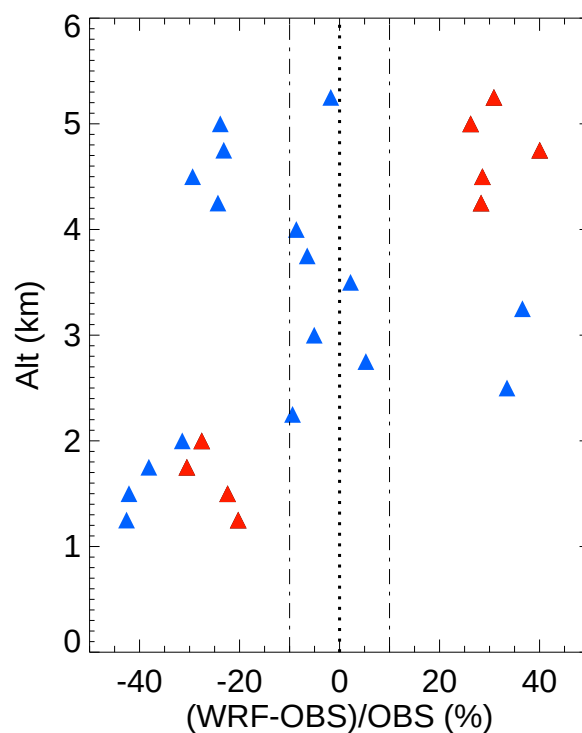
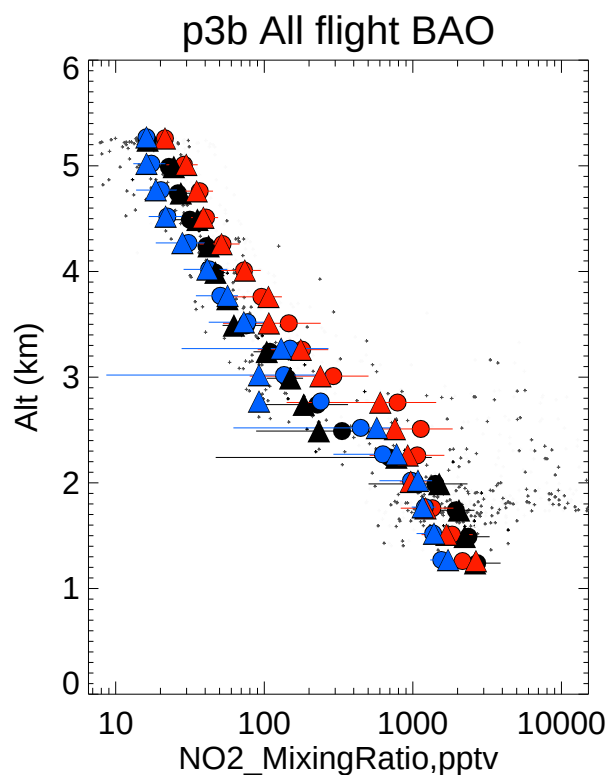


p3b All flight FortCollins

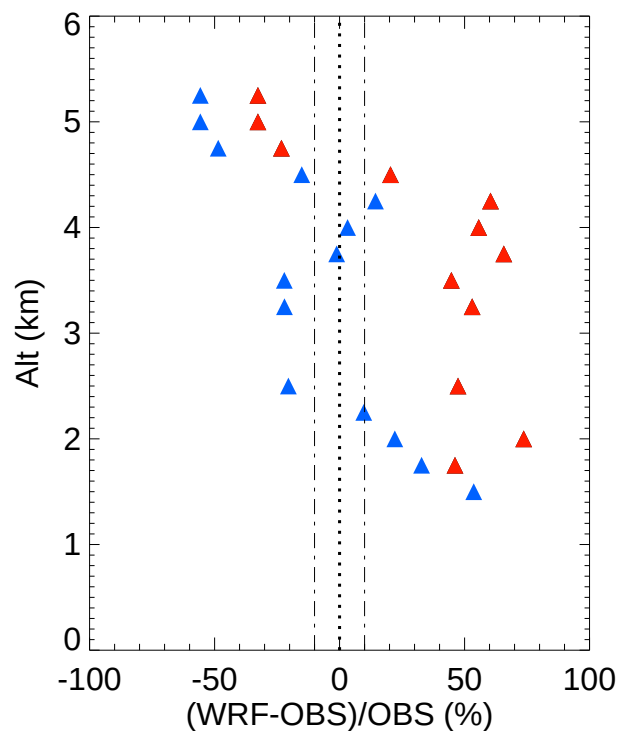
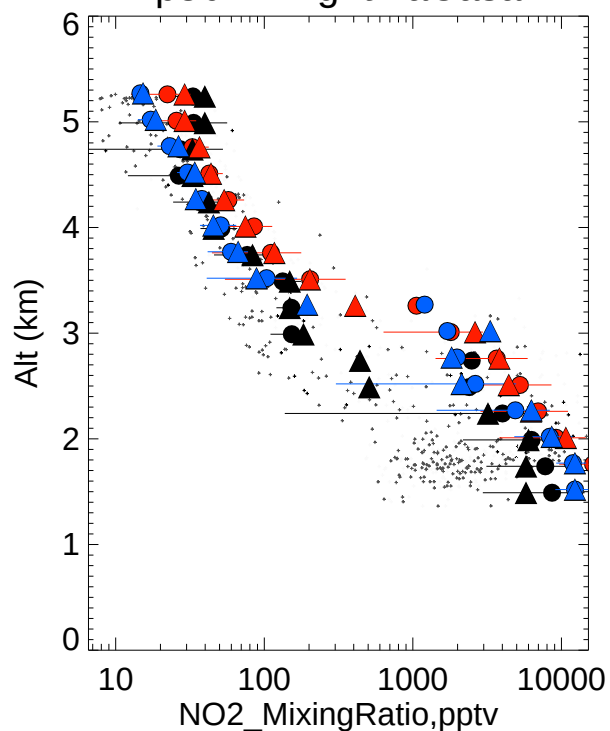


p3b All flight Platteville

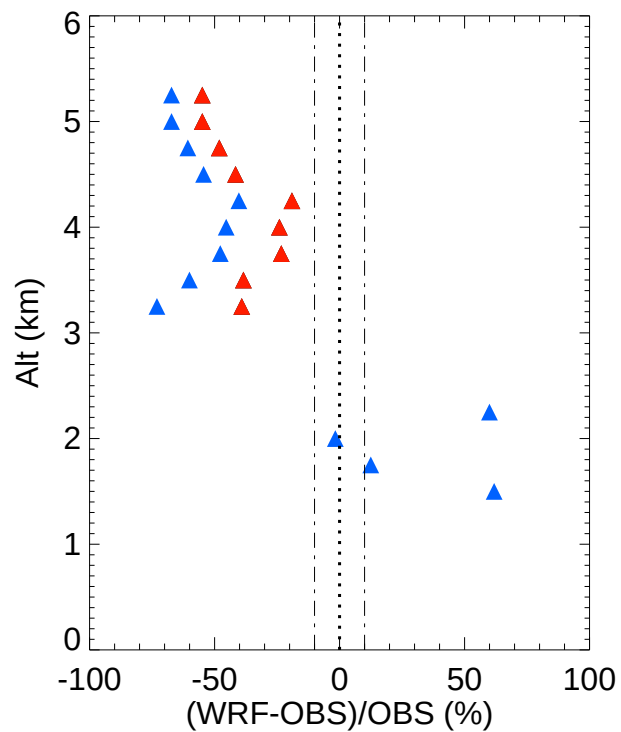
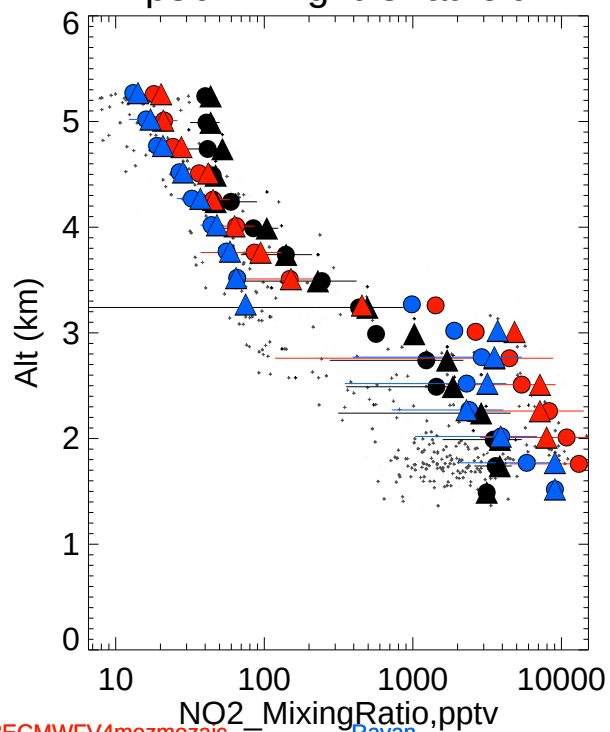




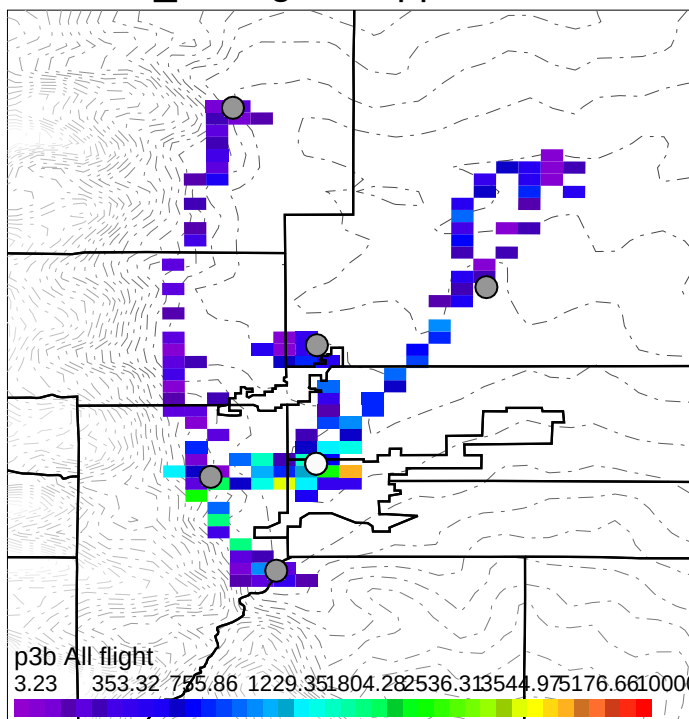
p3b All flight LaCasa



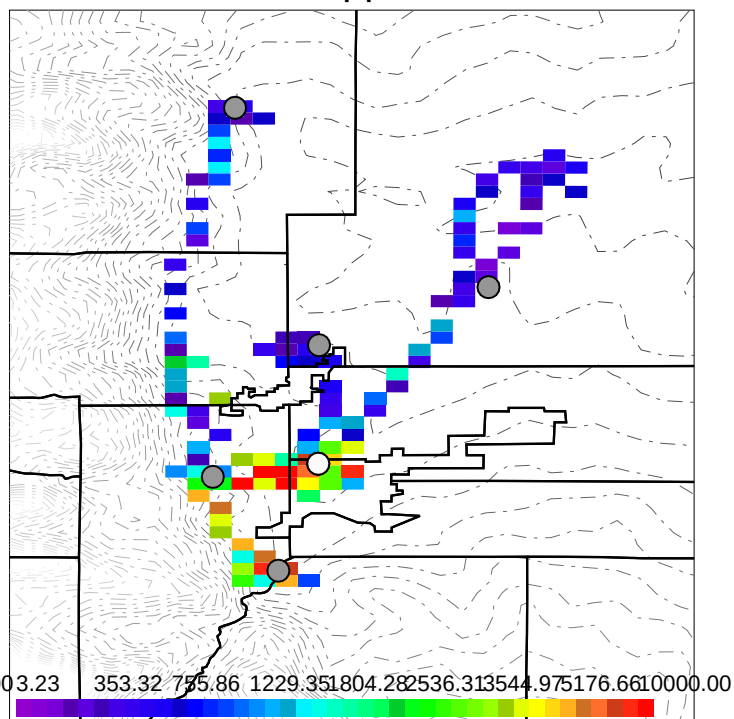
p3b All flight Chatfield



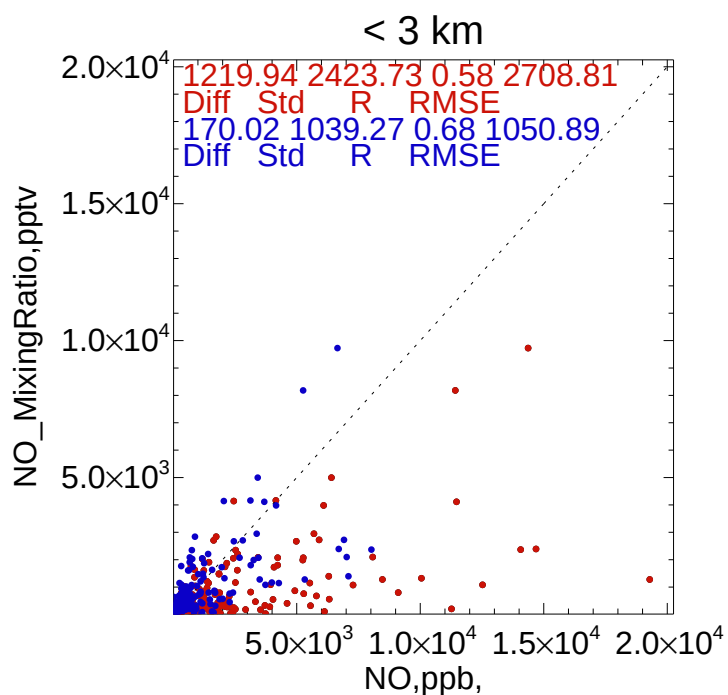
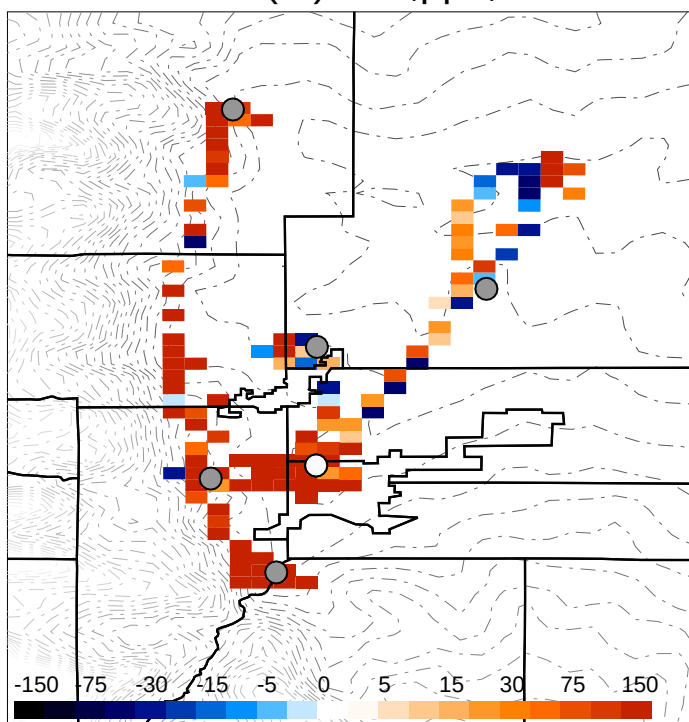
NO_MixingRatio,pptv < 3 km



Model NO,ppb, < 3 km



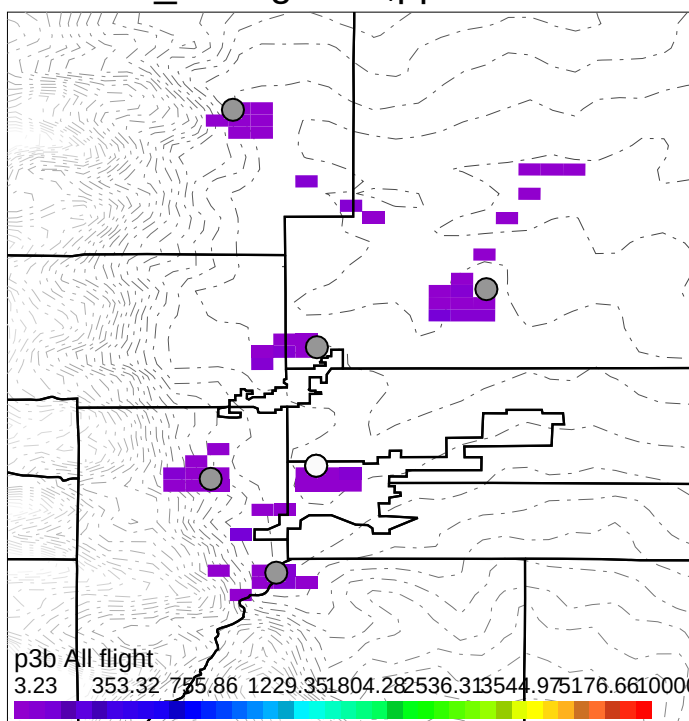
Model-Obs(%) NO,ppb, < 3 km



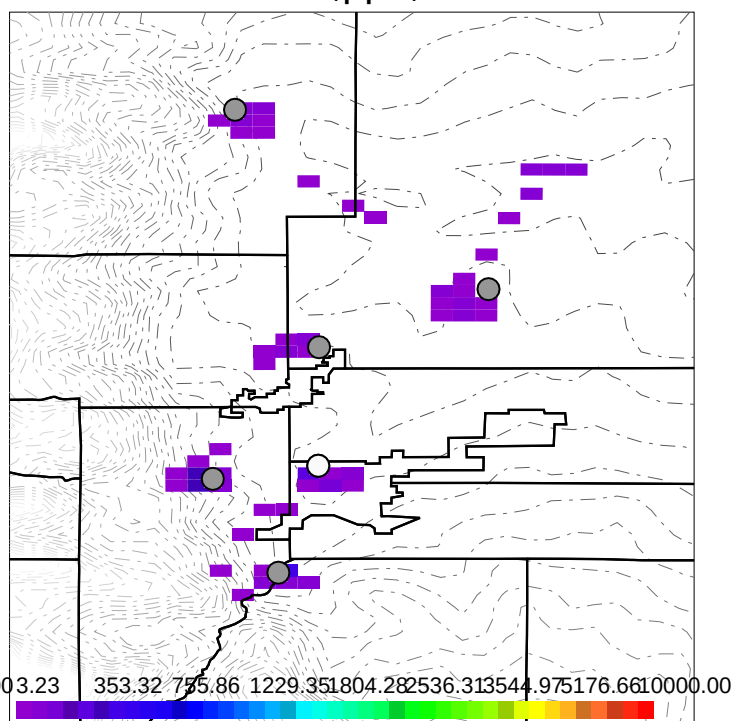
BTXv2ECMWFV4mozmozaic-

Ravan-

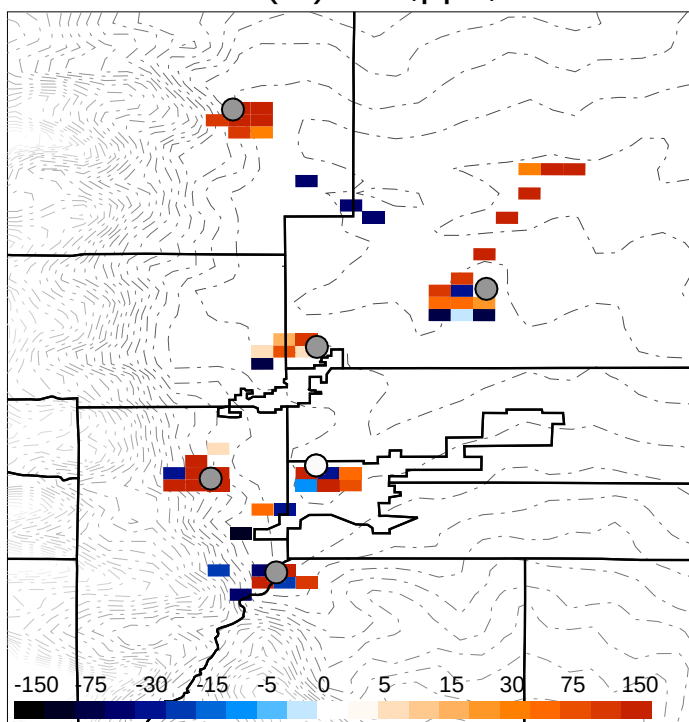
NO_MixingRatio,pptv > 3 km



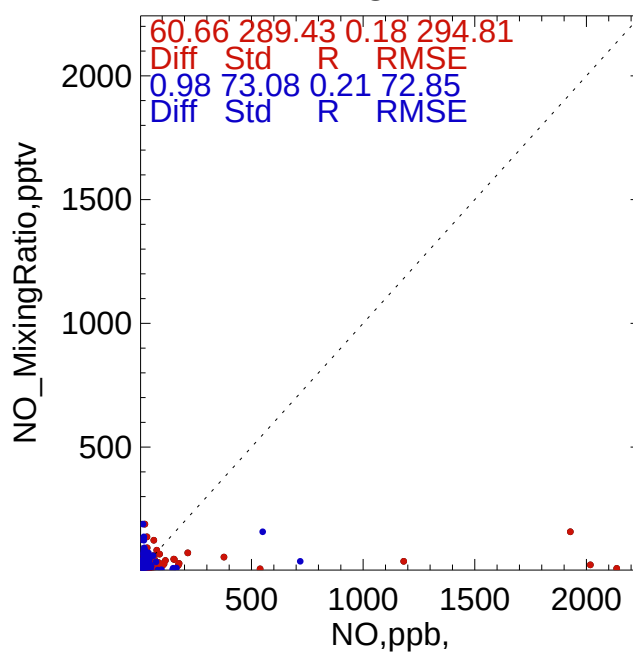
Model NO,ppb, > 3 km



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

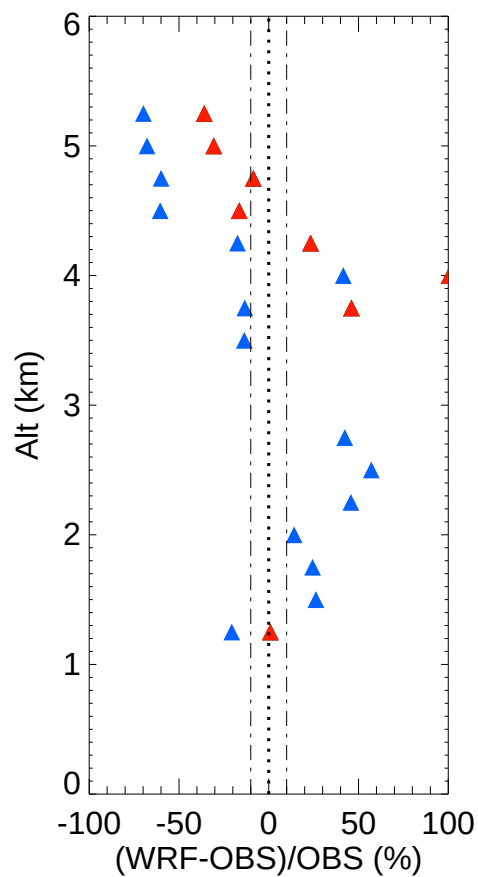
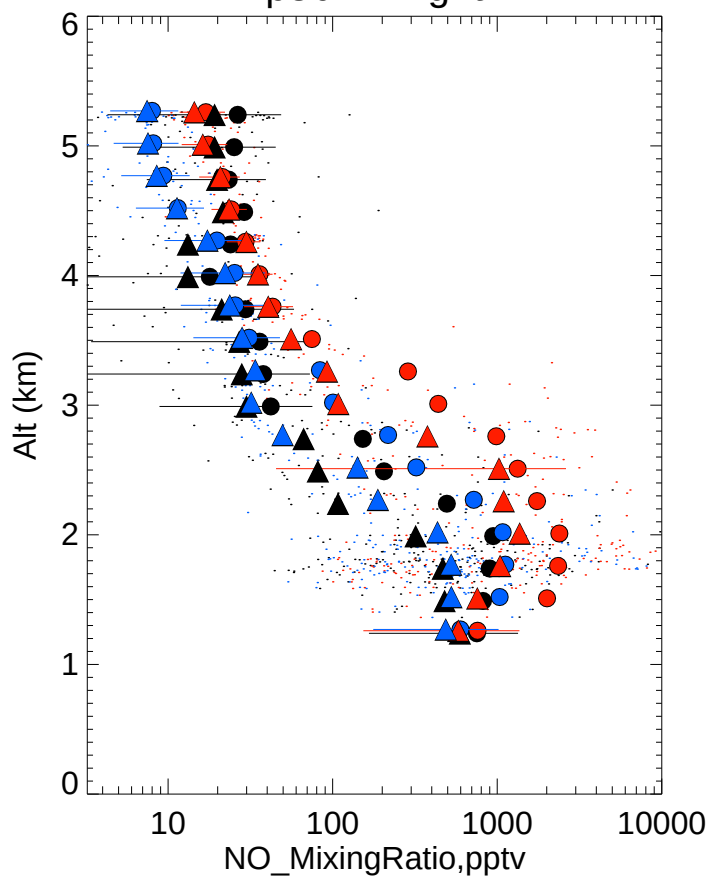
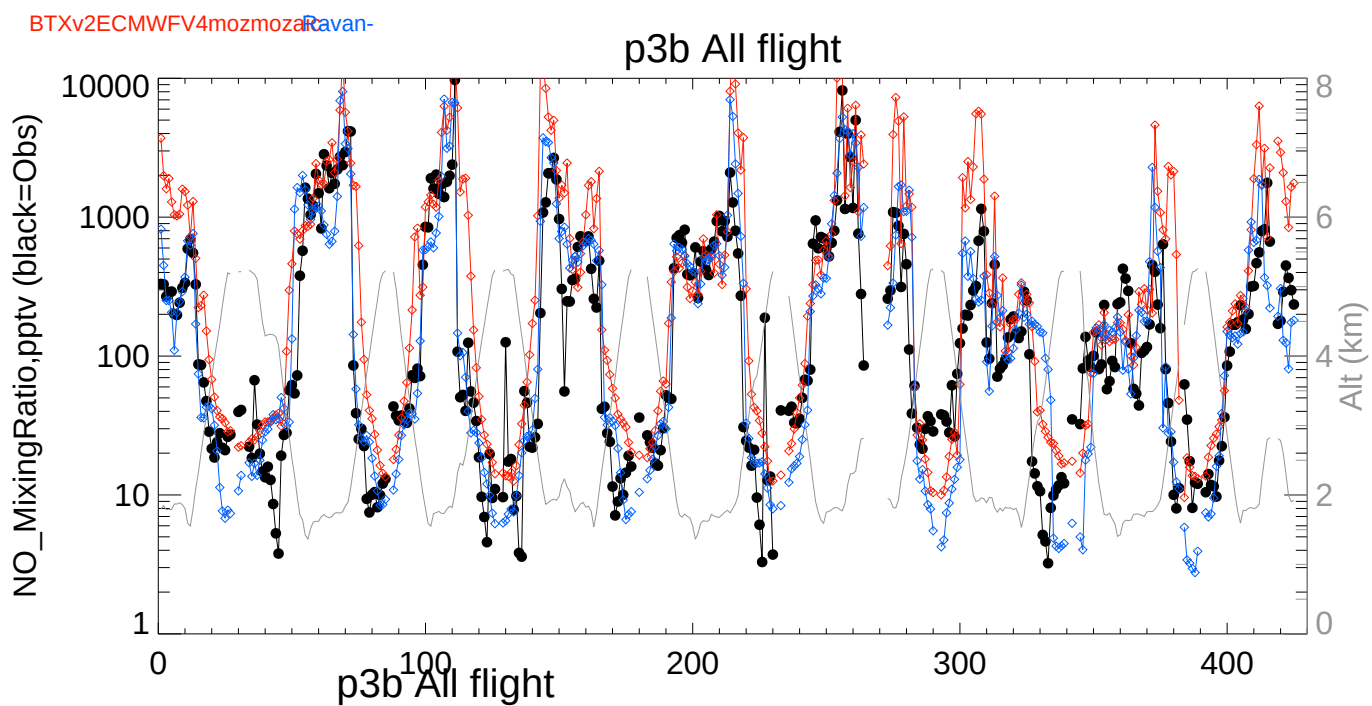


> 3 km

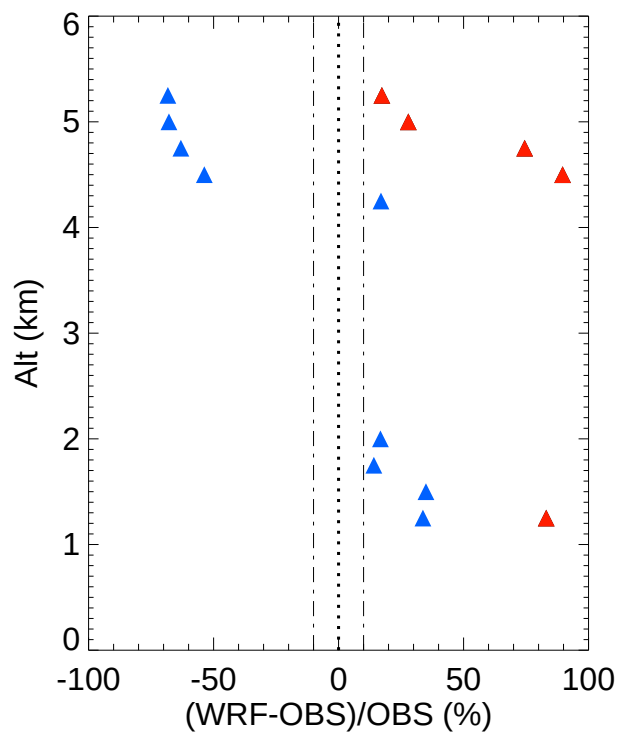
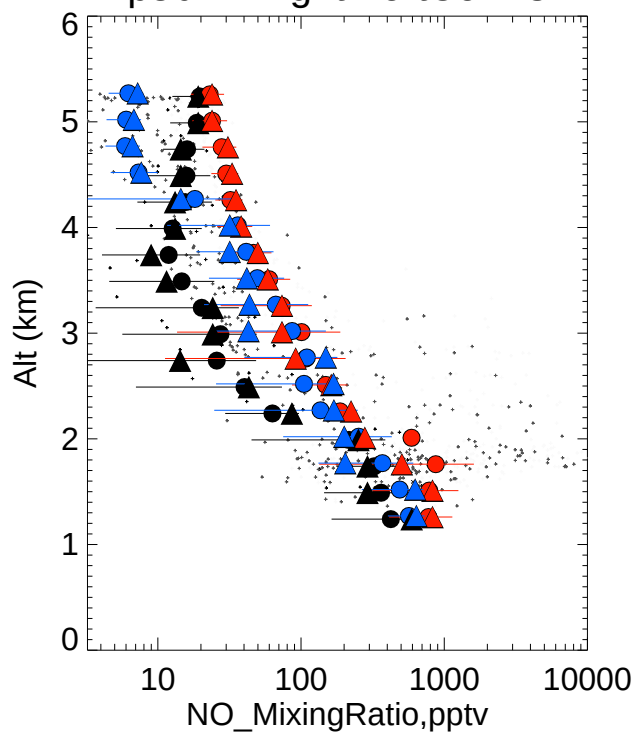


BTXv2ECMWFV4mozmozaic-

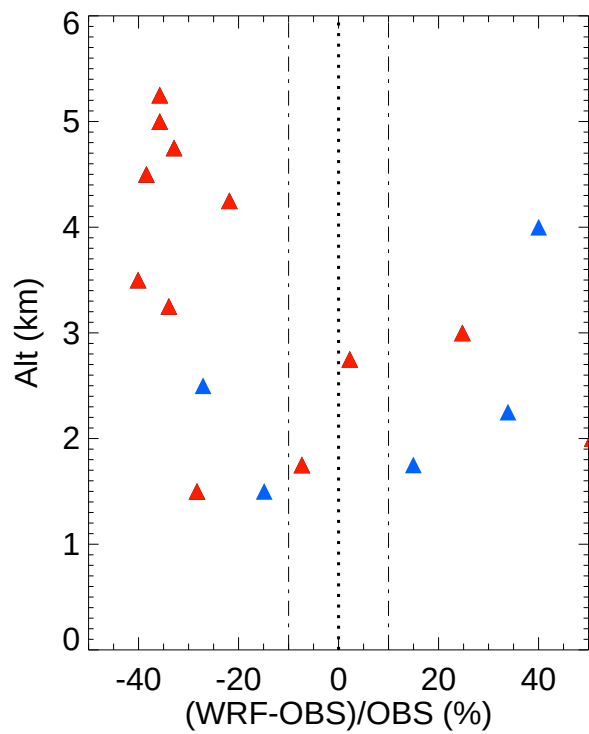
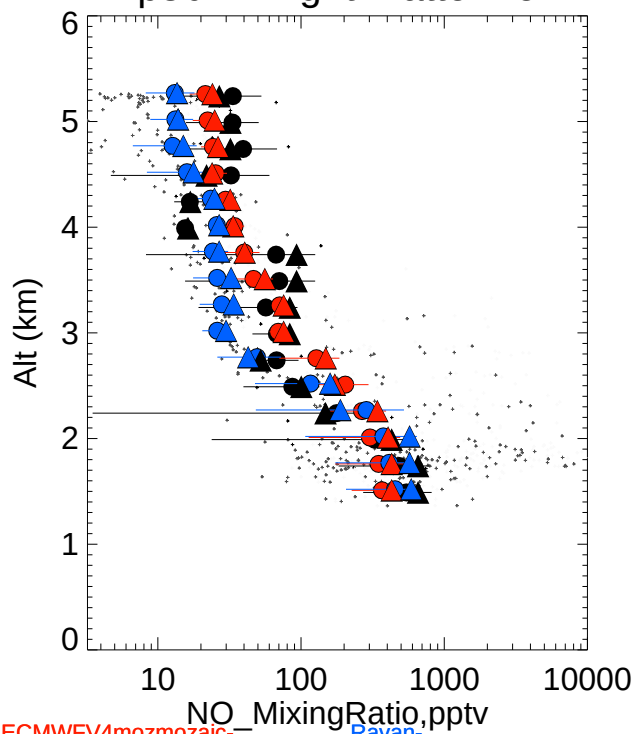
Ravan-

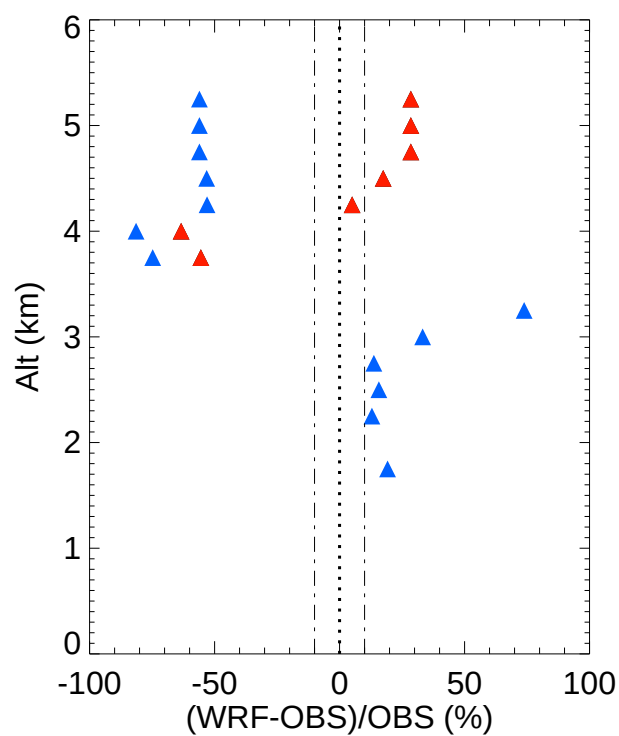
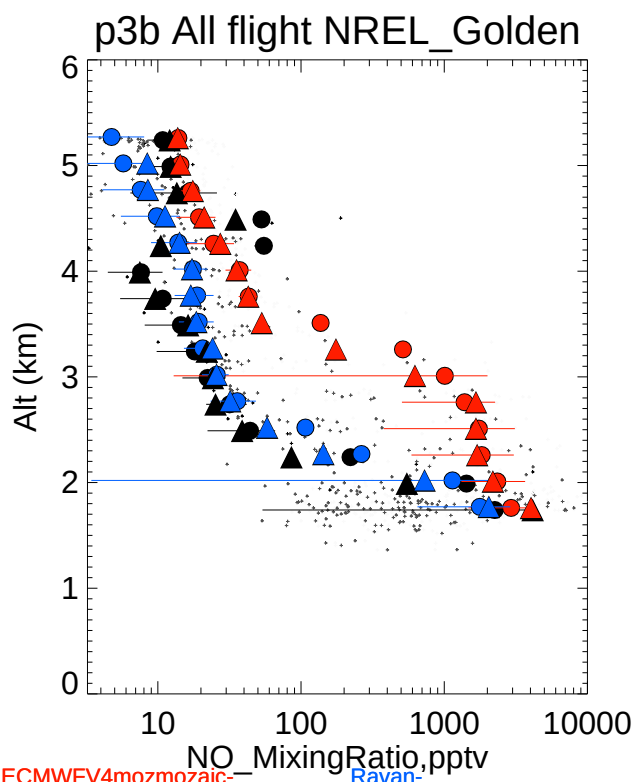
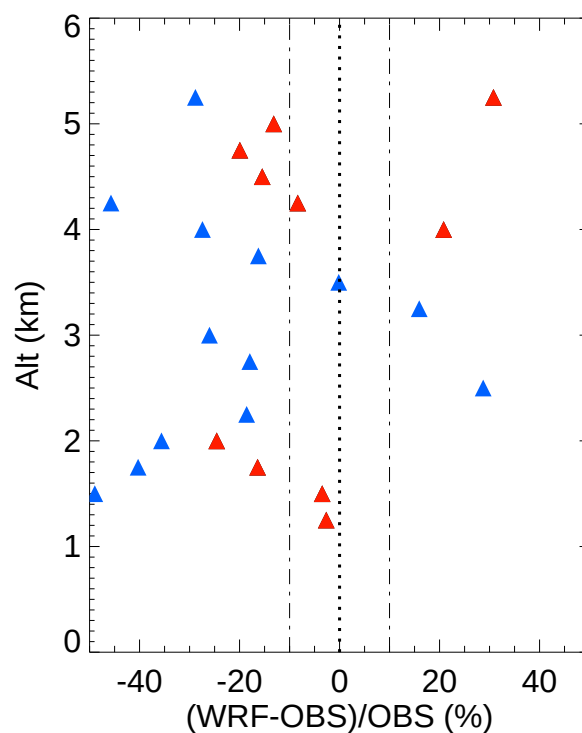
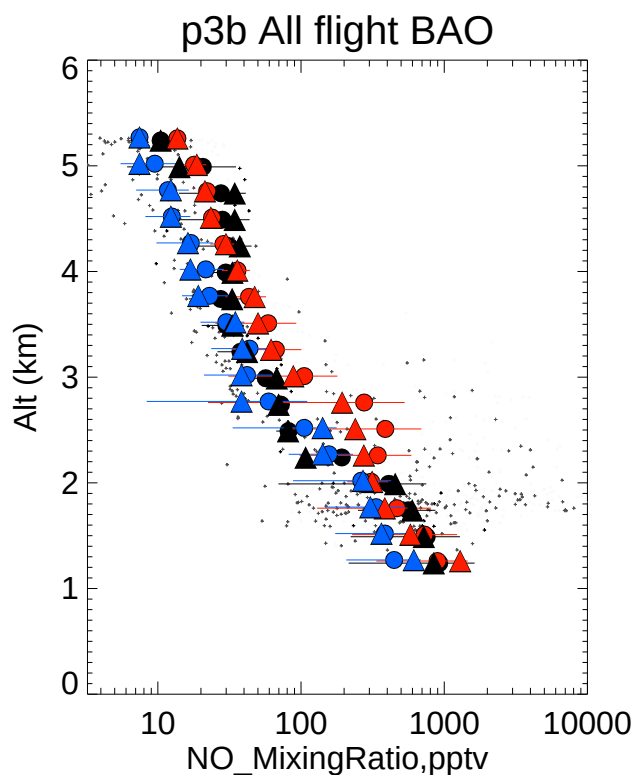


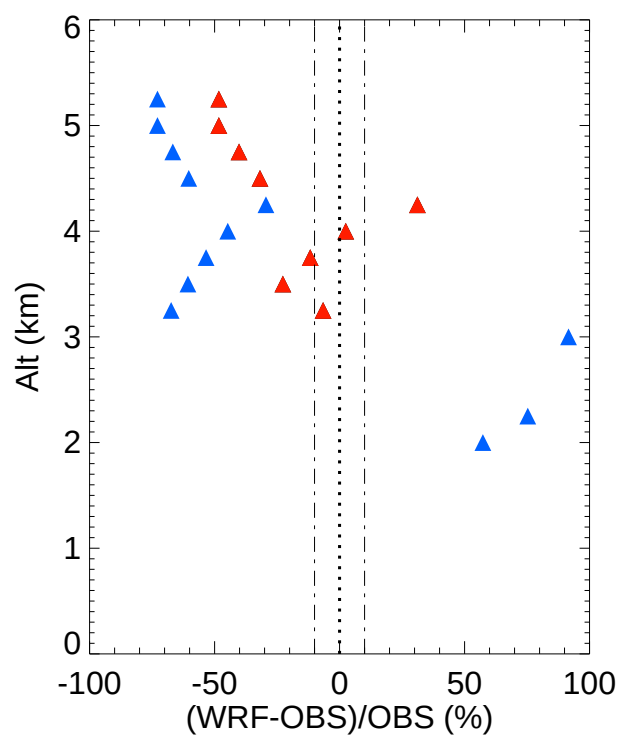
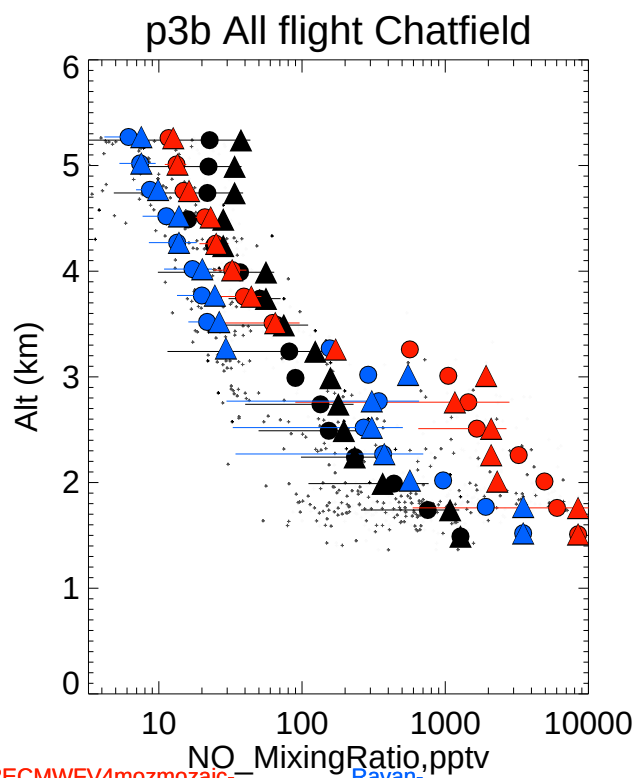
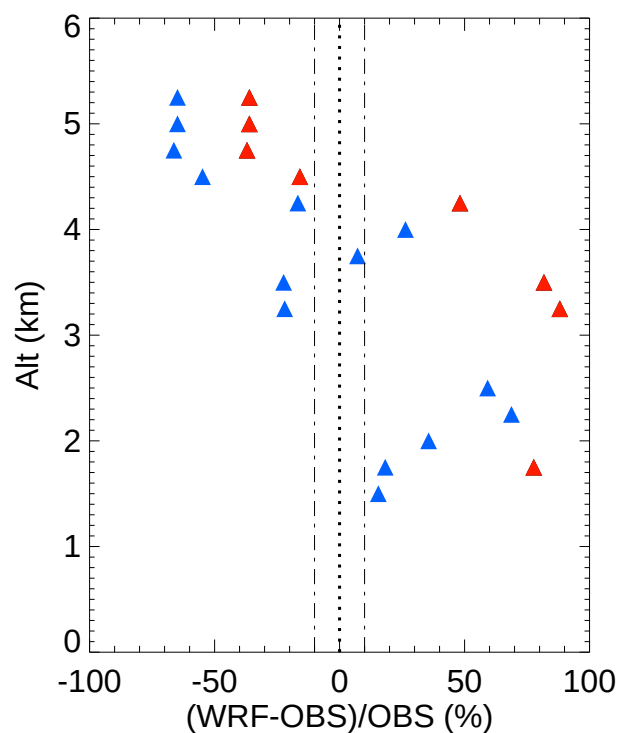
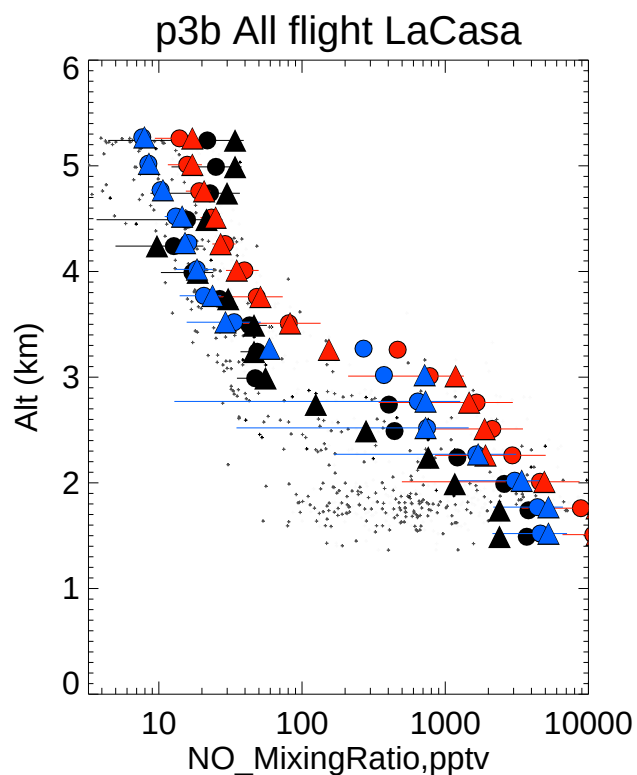
p3b All flight FortCollins



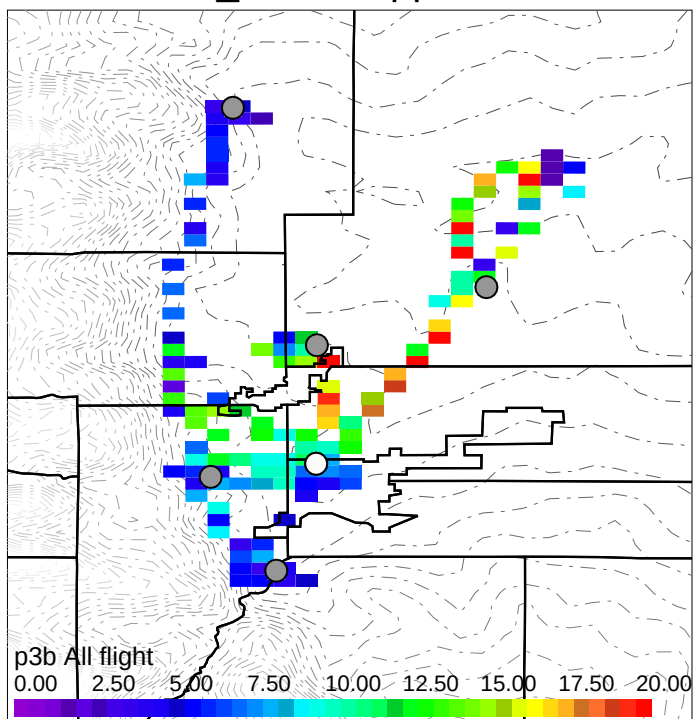
p3b All flight Platteville



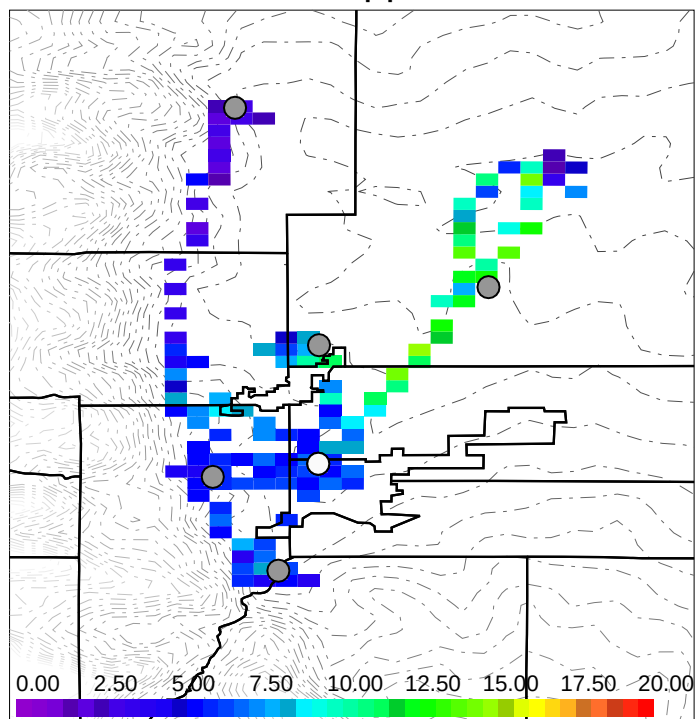




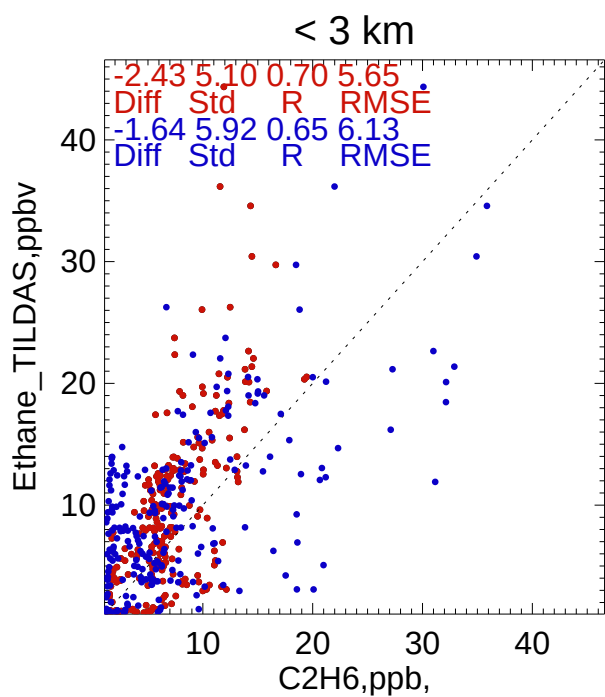
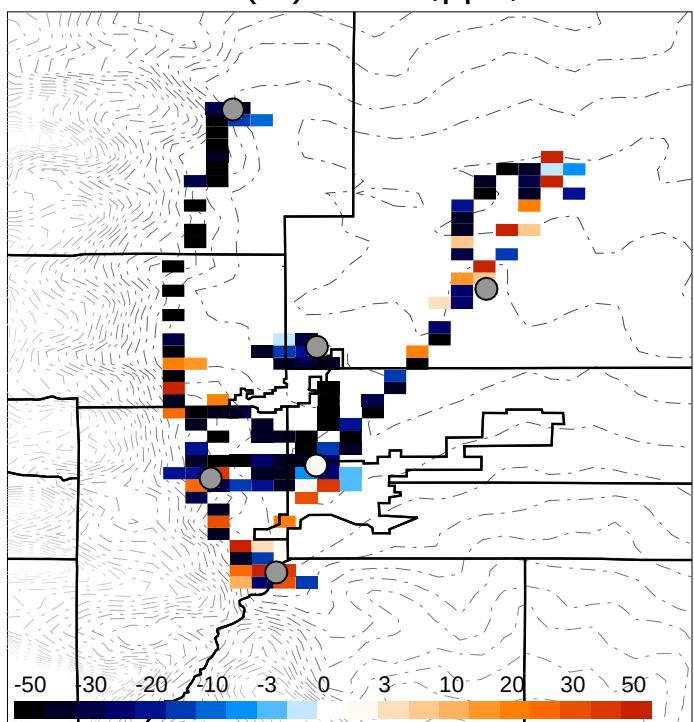
Ethane_TILDAS,ppbv < 3 km



Model C2H6,ppb, < 3 km



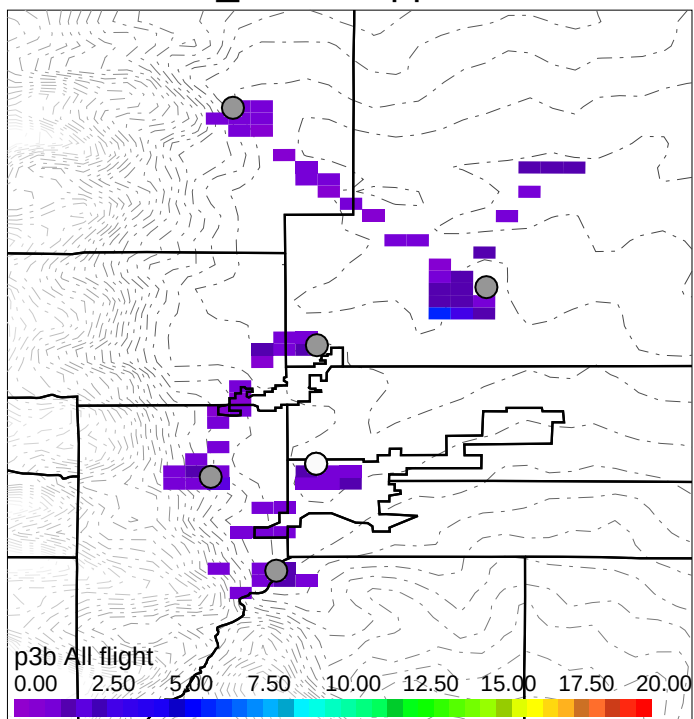
Model-Obs(%) C2H6,ppb, < 3 km



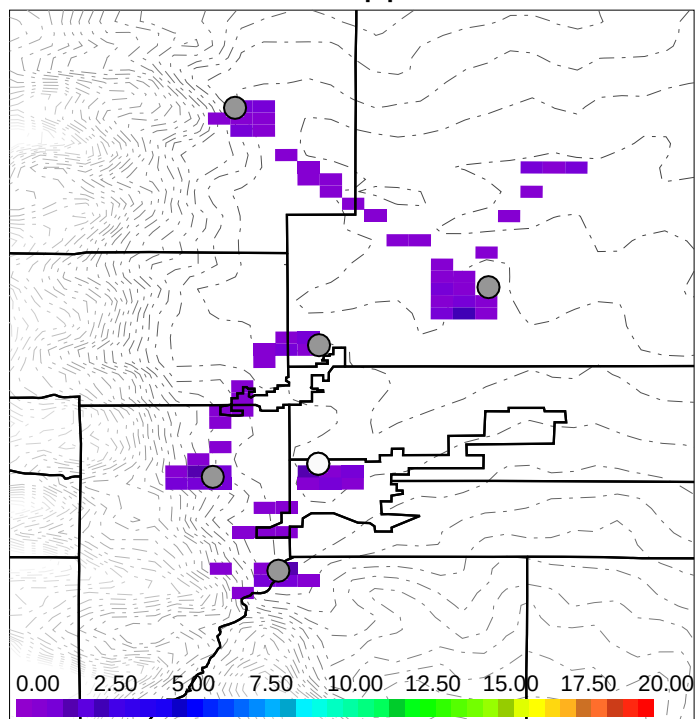
BTXv2ECMWFV4mozmozaic-

Ravan-

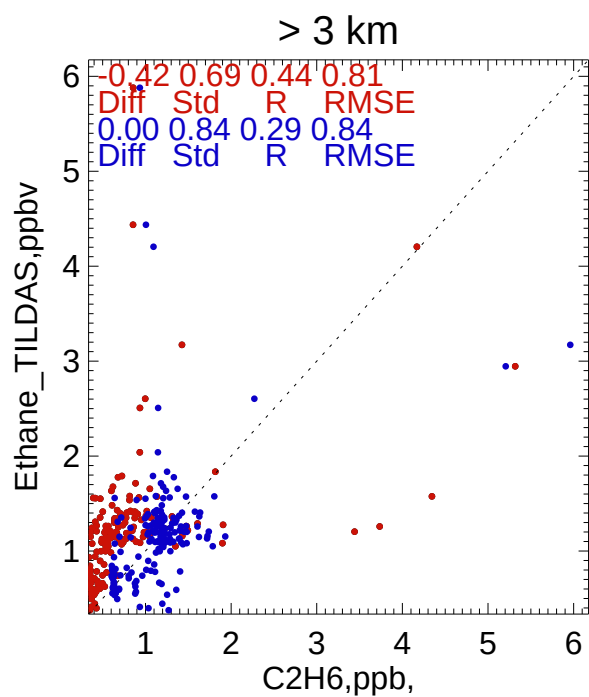
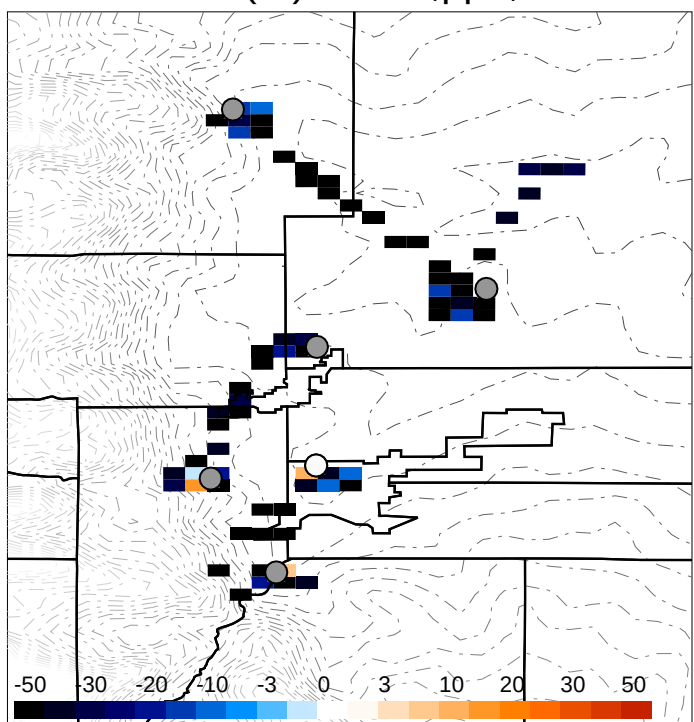
Ethane_TILDAS,ppbv > 3 km



Model C2H6,ppb, > 3 km



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

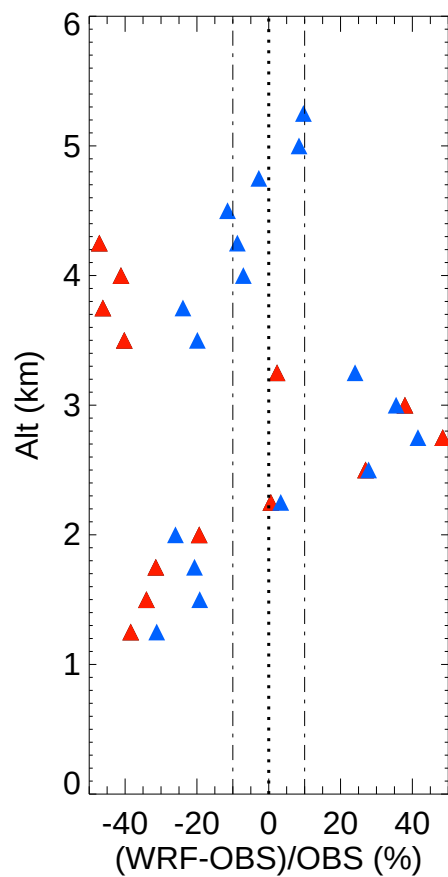
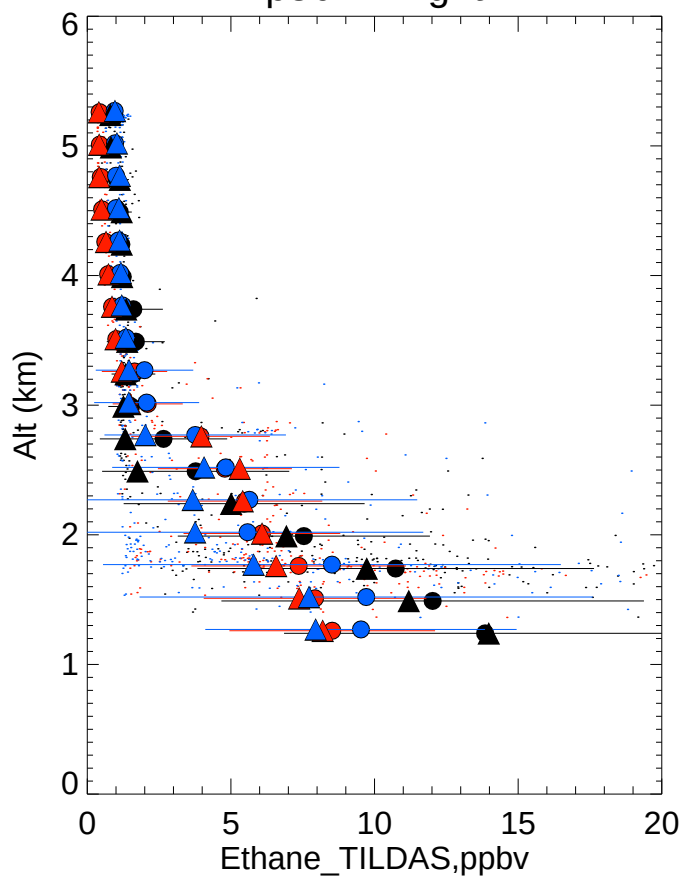
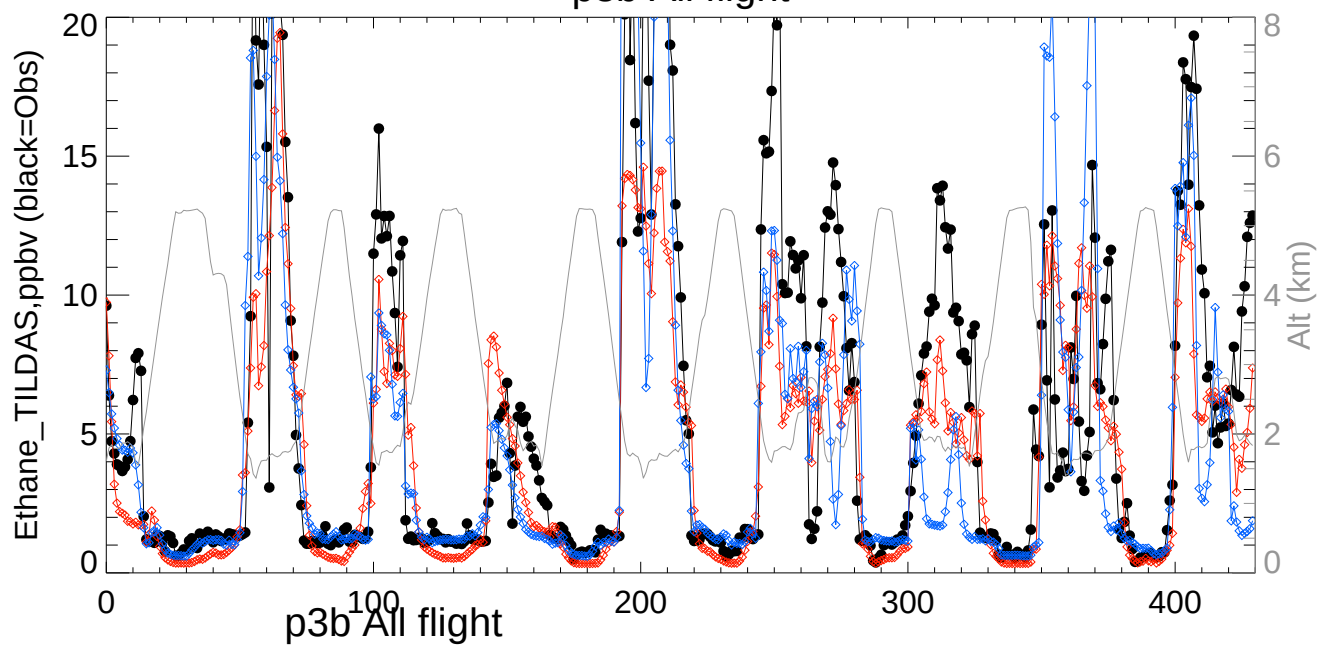


BTXv2ECMWFV4mozmozaic-

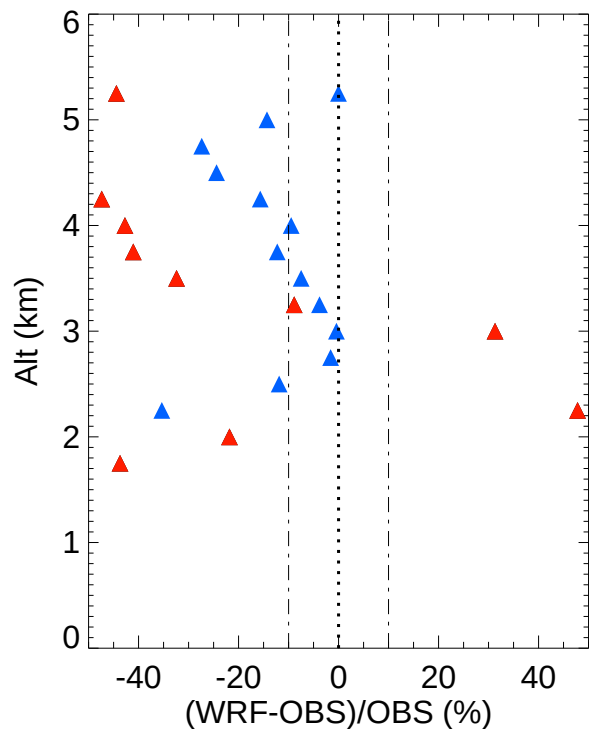
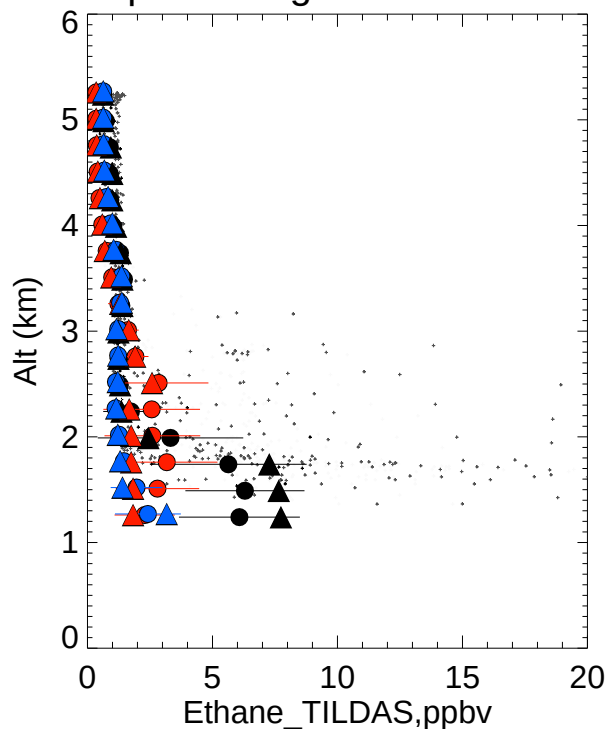
Ravan-

BTXv2ECMWFV4mozmozaravan-

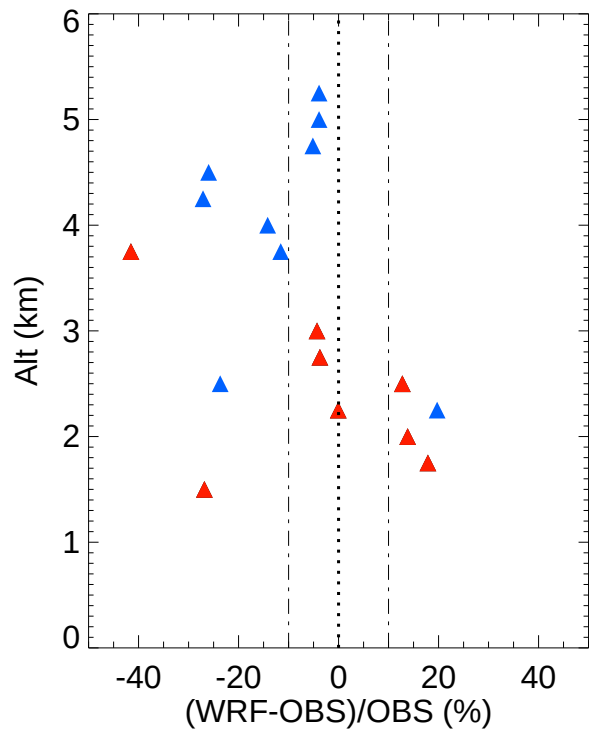
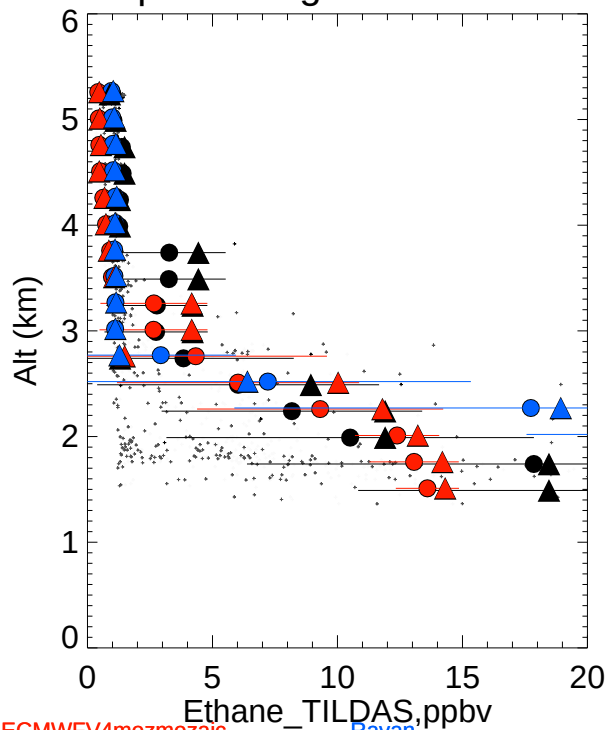
p3b All flight

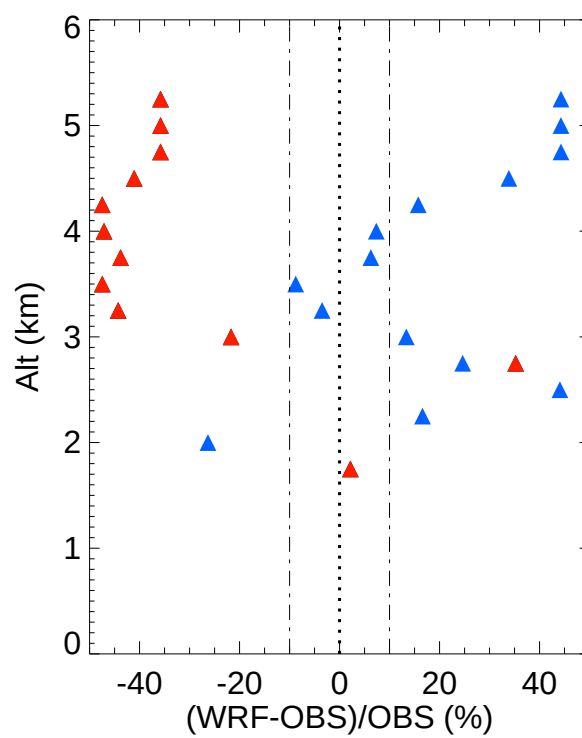
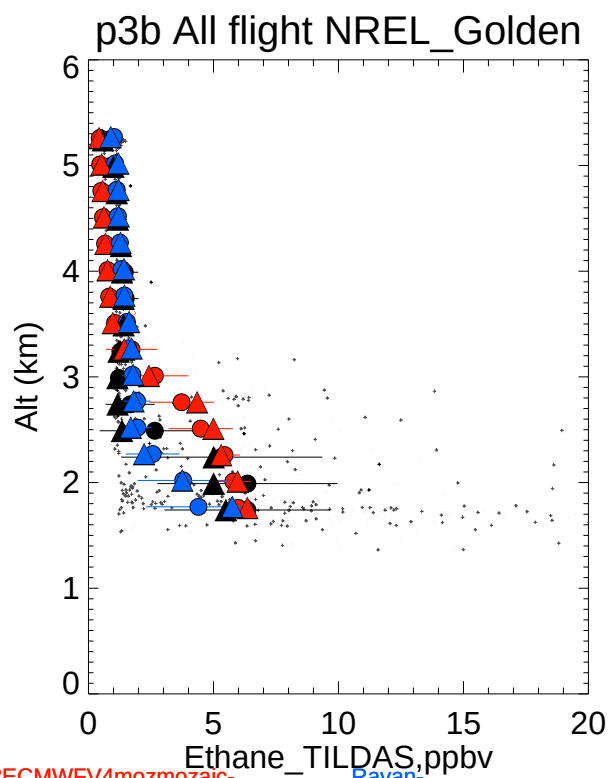
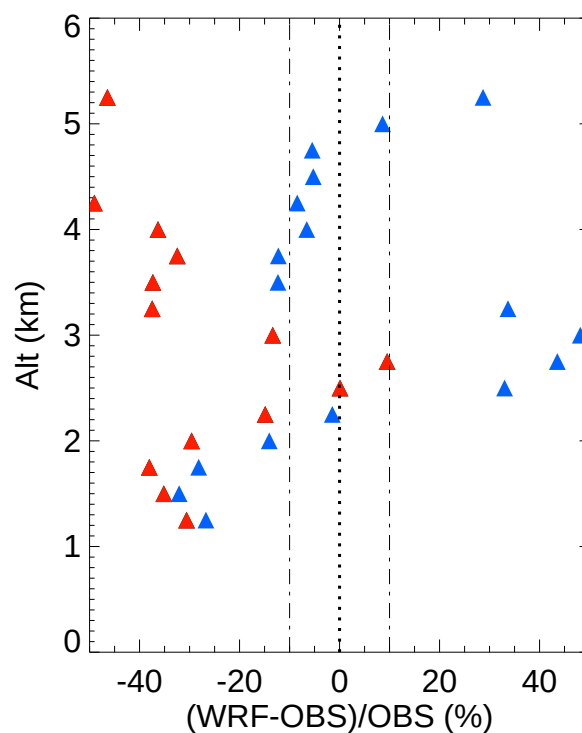
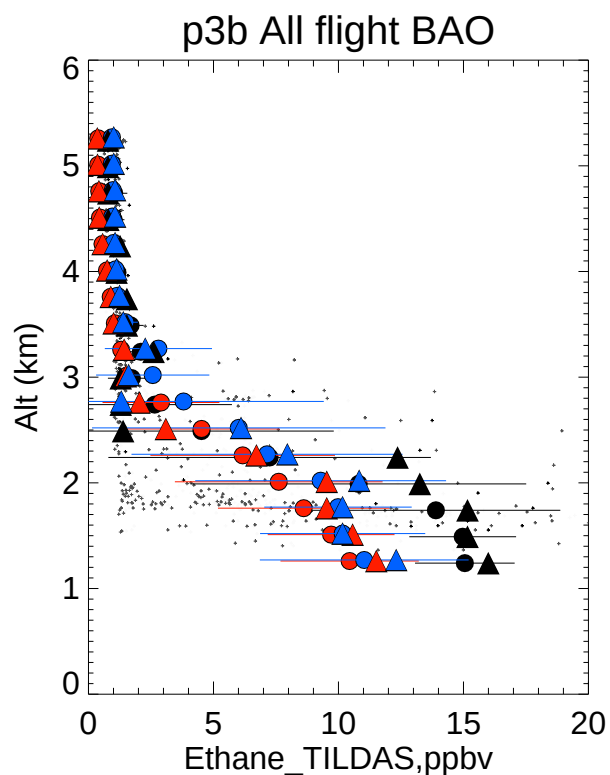


p3b All flight FortCollins

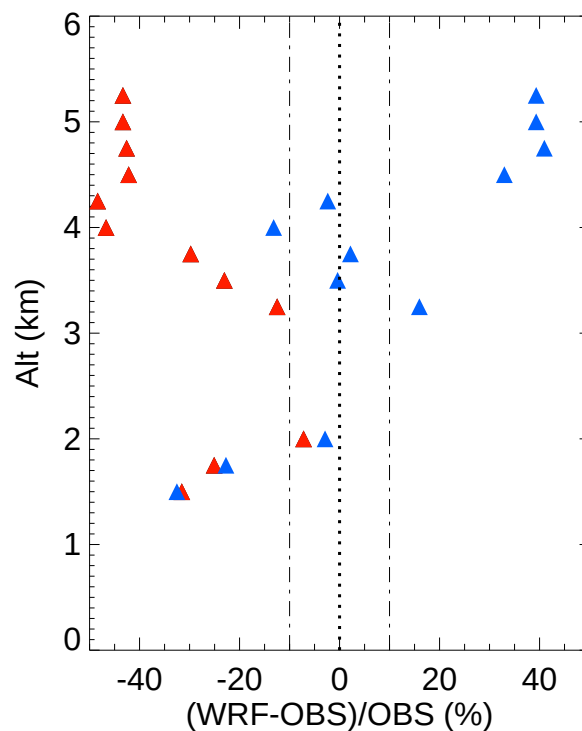
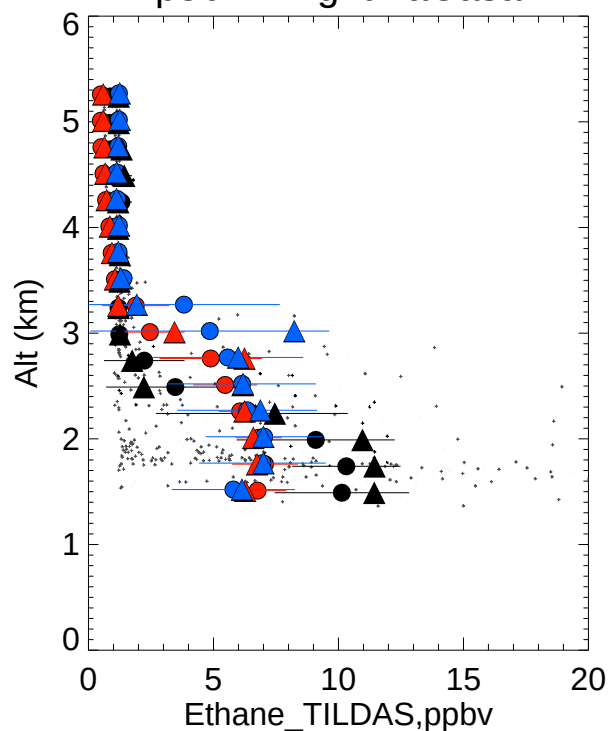


p3b All flight Platteville

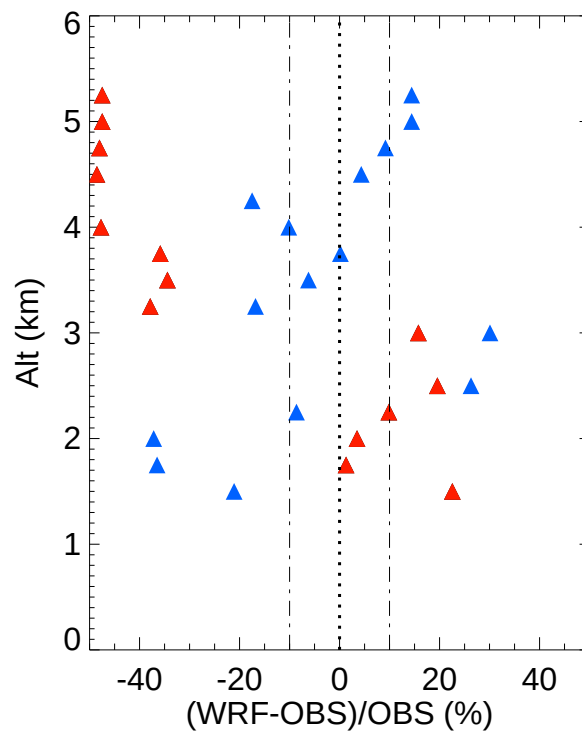
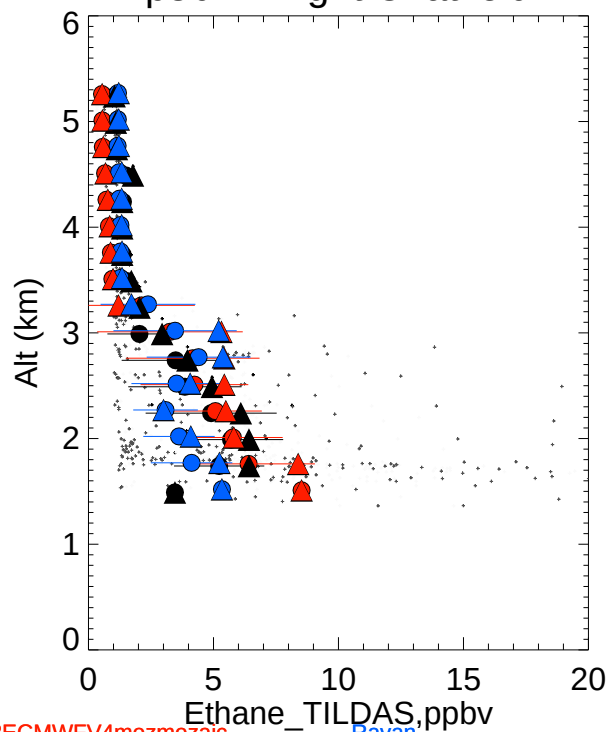




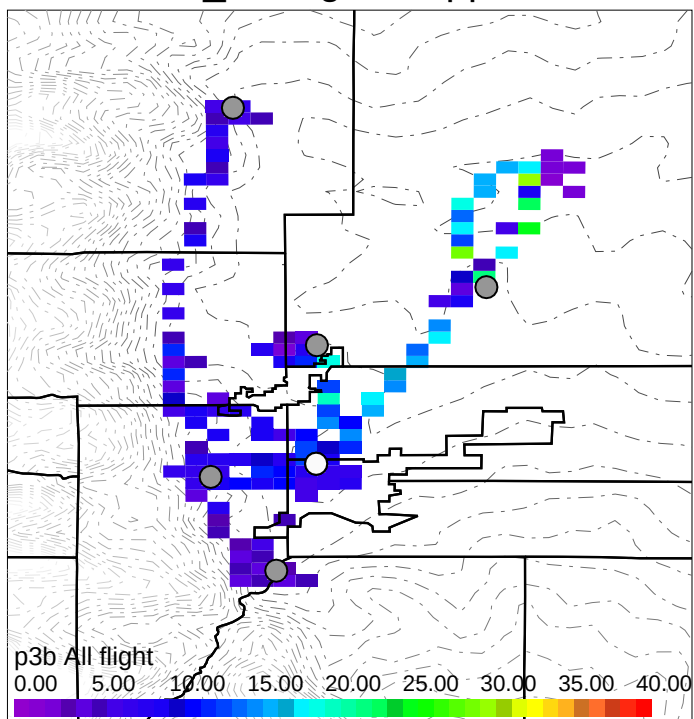
p3b All flight LaCasa



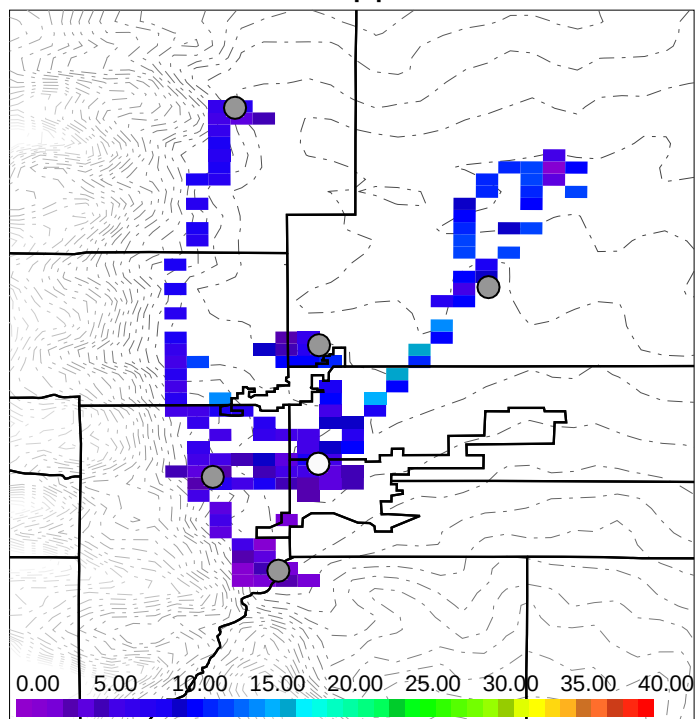
p3b All flight Chatfield



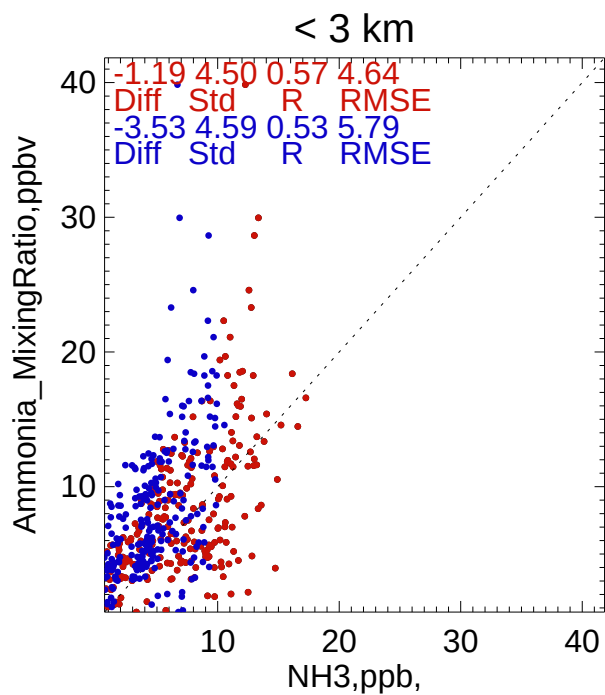
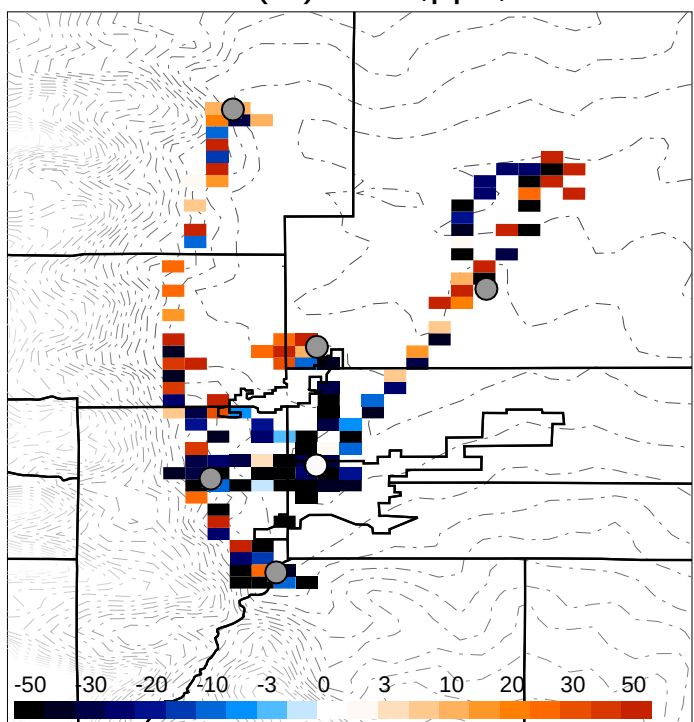
Ammonia_MixingRatio,ppbv < 3 km



Model NH3,ppb, < 3 km



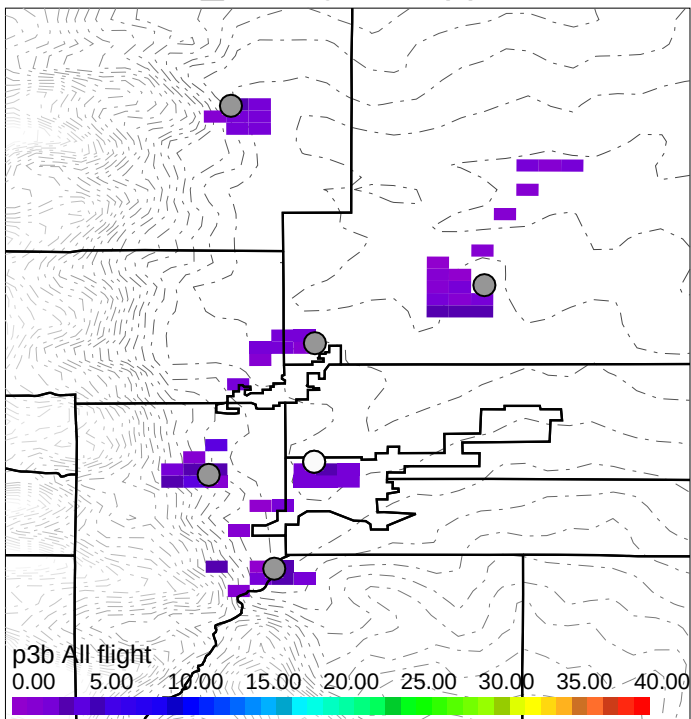
Model-Obs(%) NH3,ppb, < 3 km



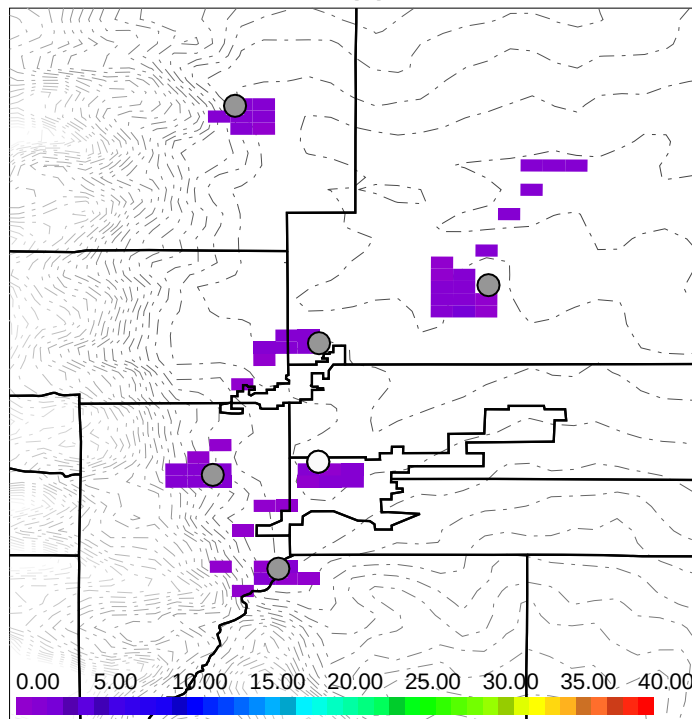
BTXv2ECMWFV4mozmozaic-

Ravan-

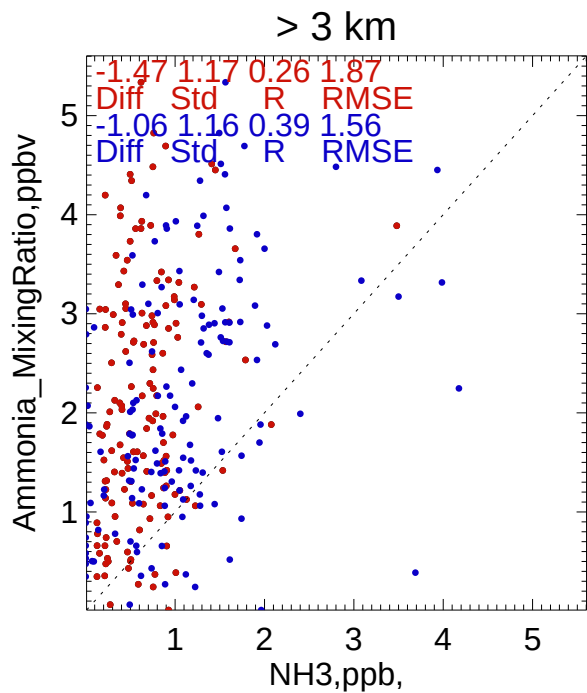
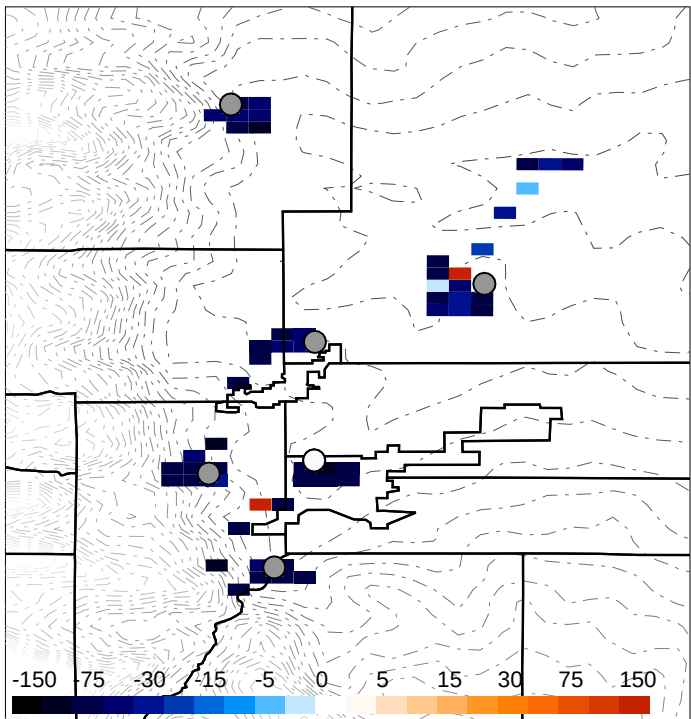
Ammonia_MixingRatio,ppbv > 3 km



Model NH3,ppb, > 3 km



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

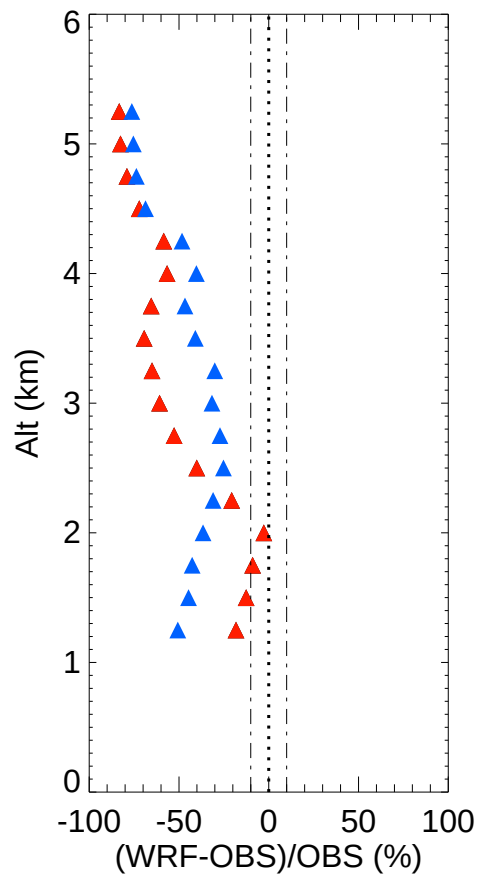
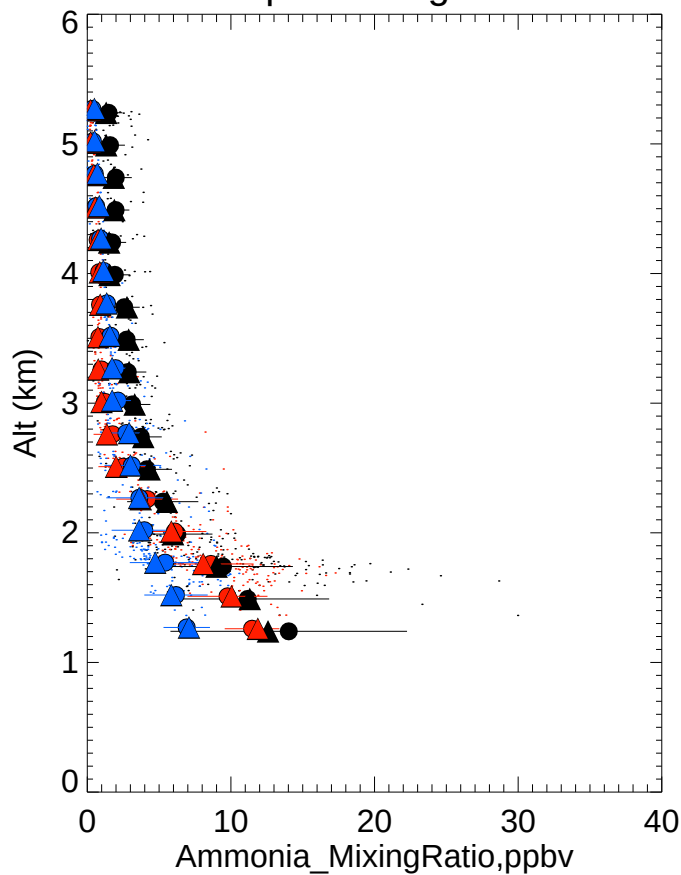
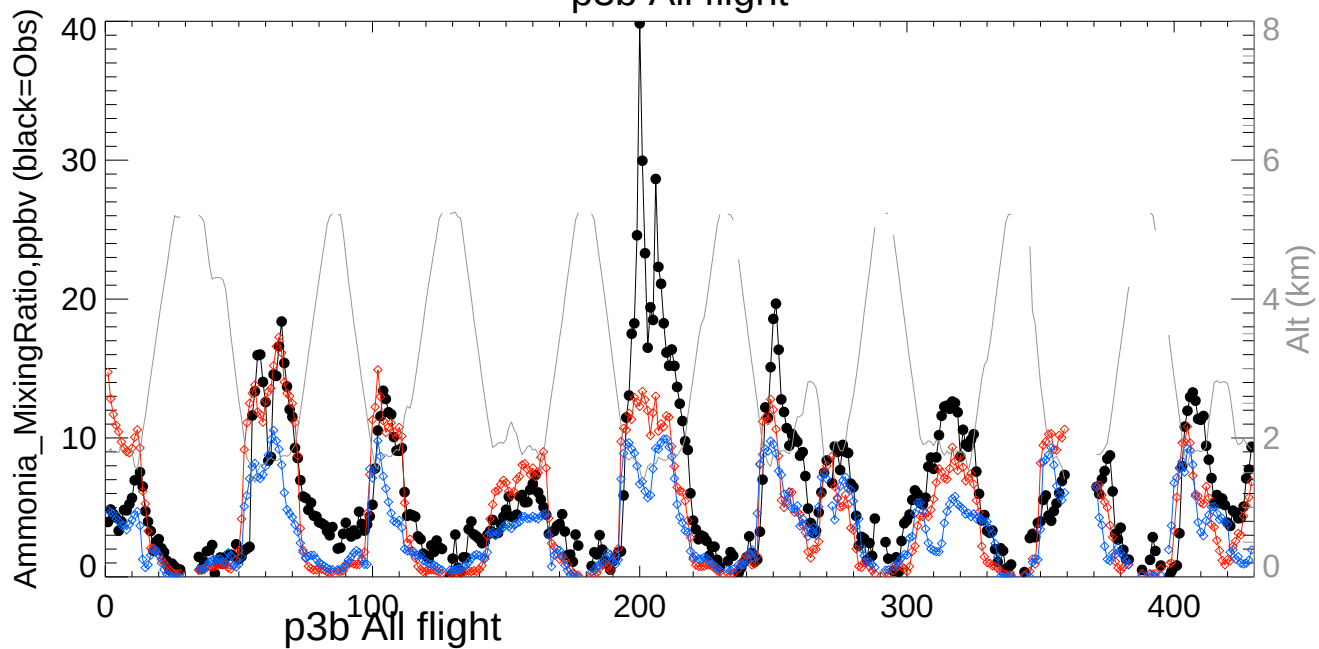


BTXv2ECMWFV4mozmozaic-

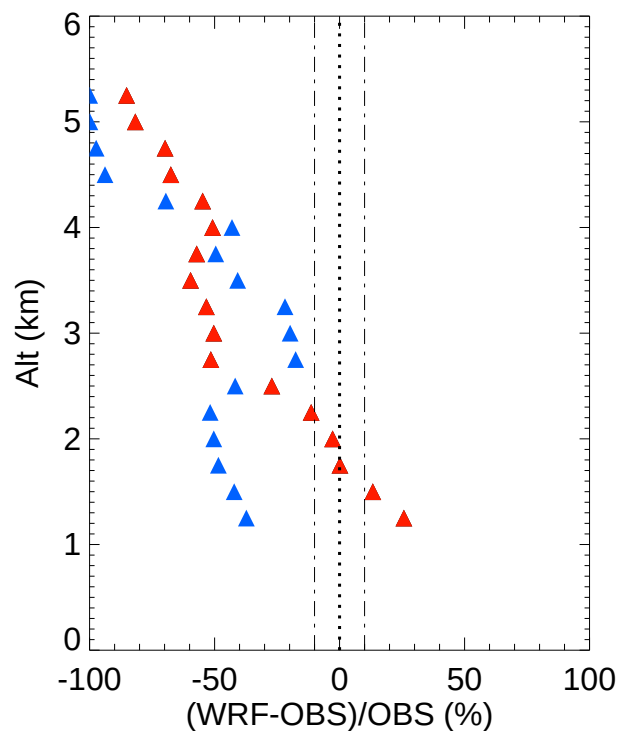
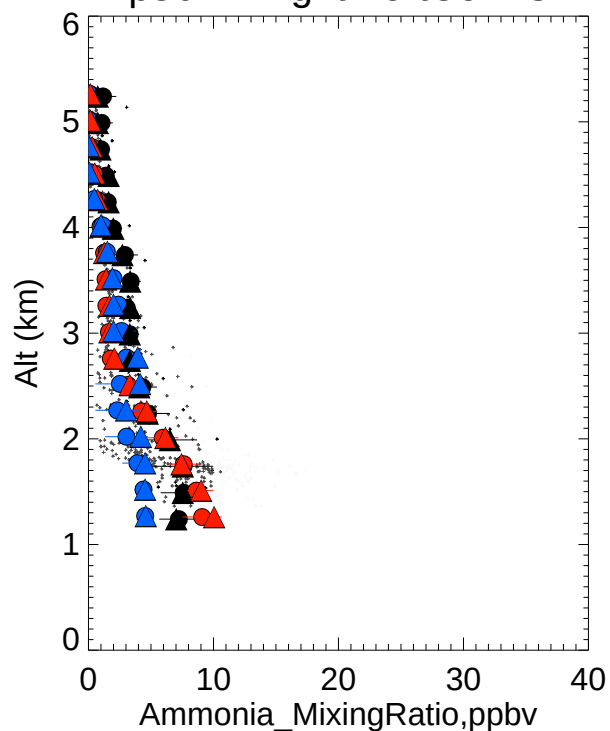
Ravan-

BTXv2ECMWFV4mozmozaRavan-

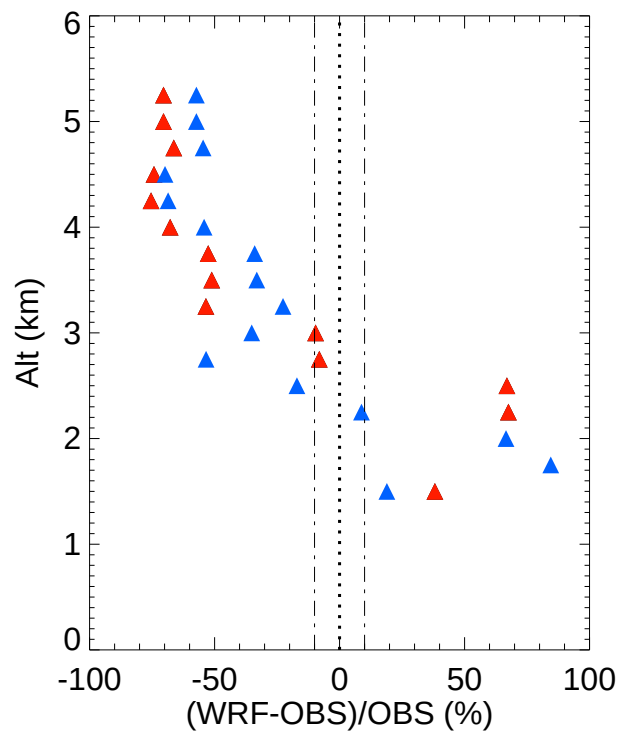
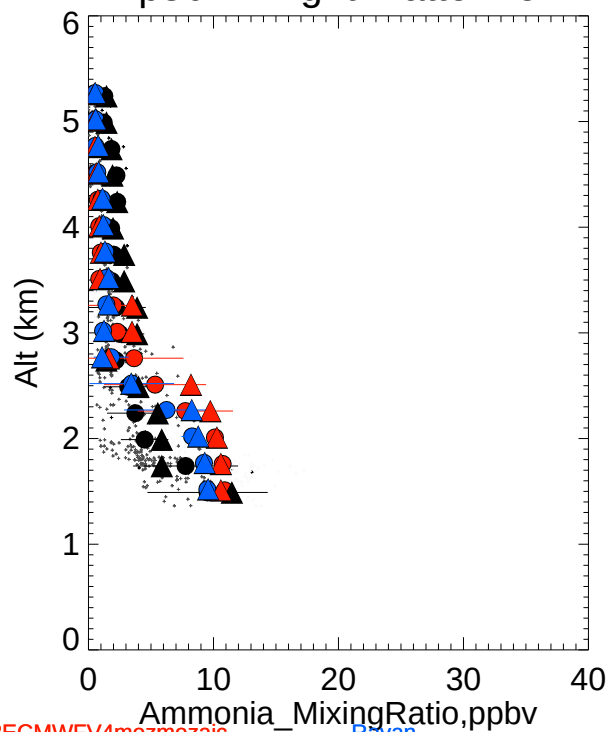
p3b All flight

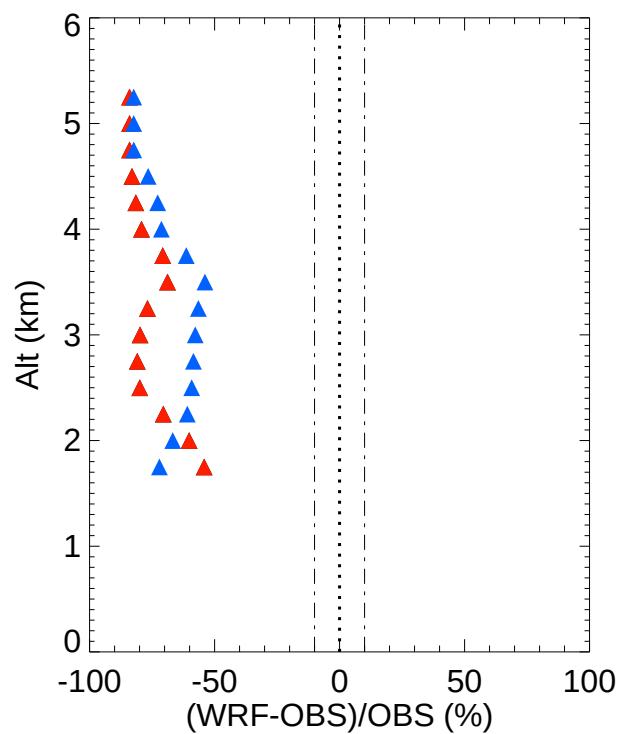
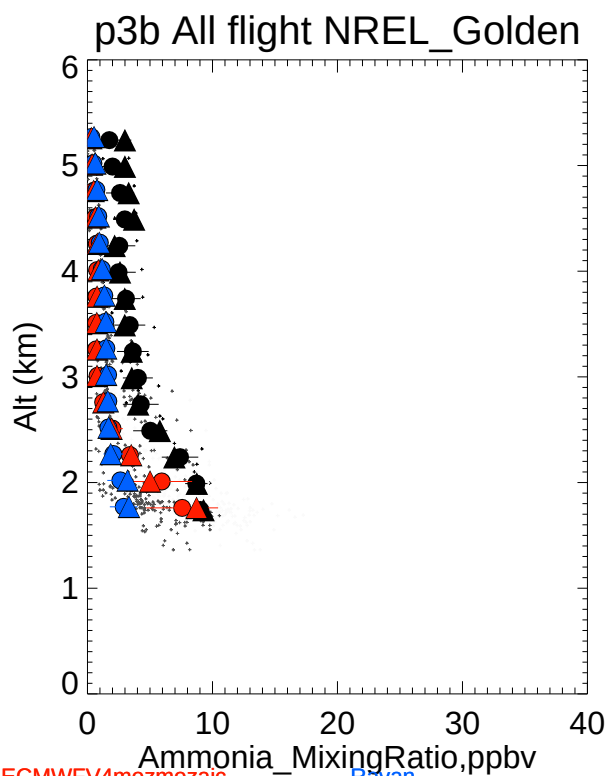
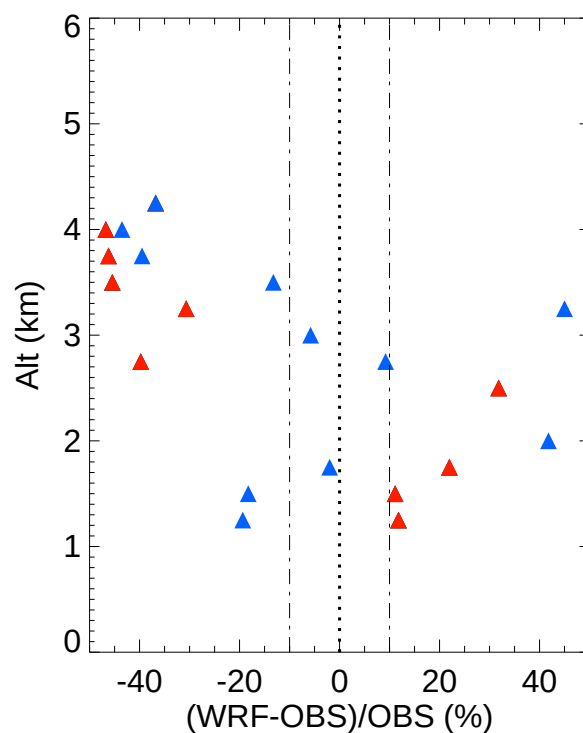
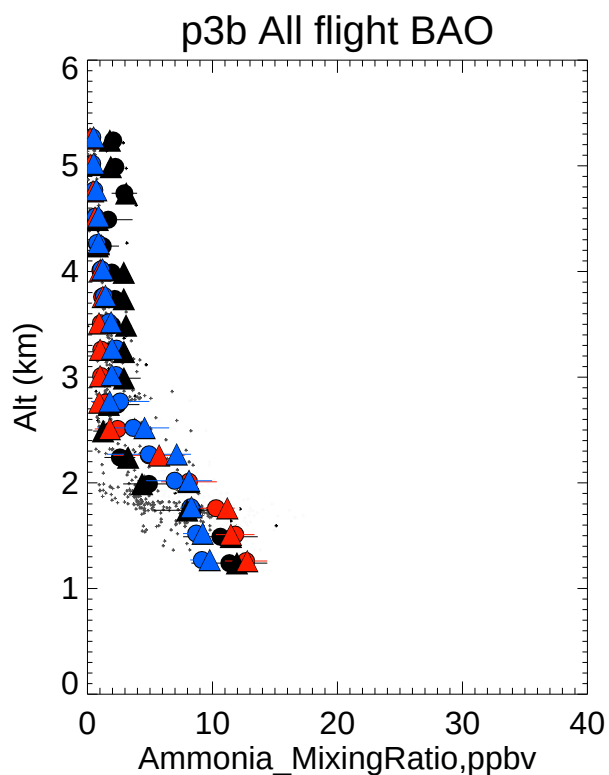


p3b All flight FortCollins

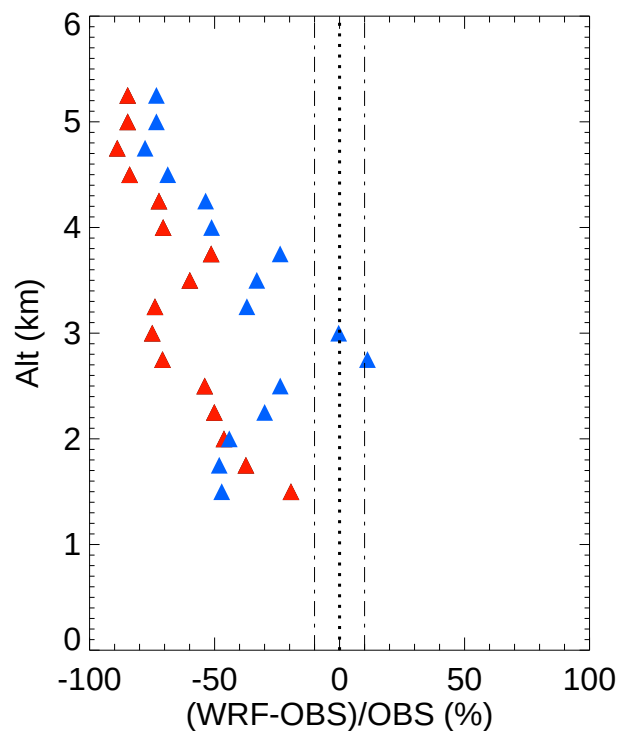
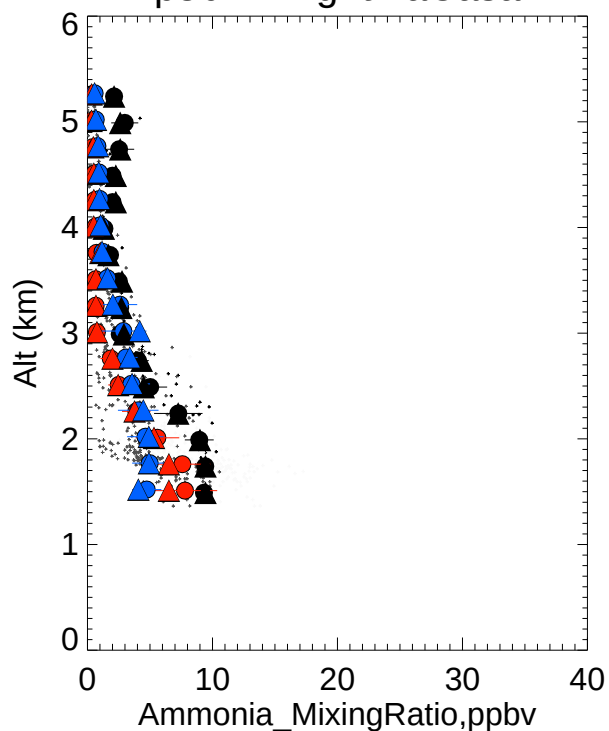


p3b All flight Platteville

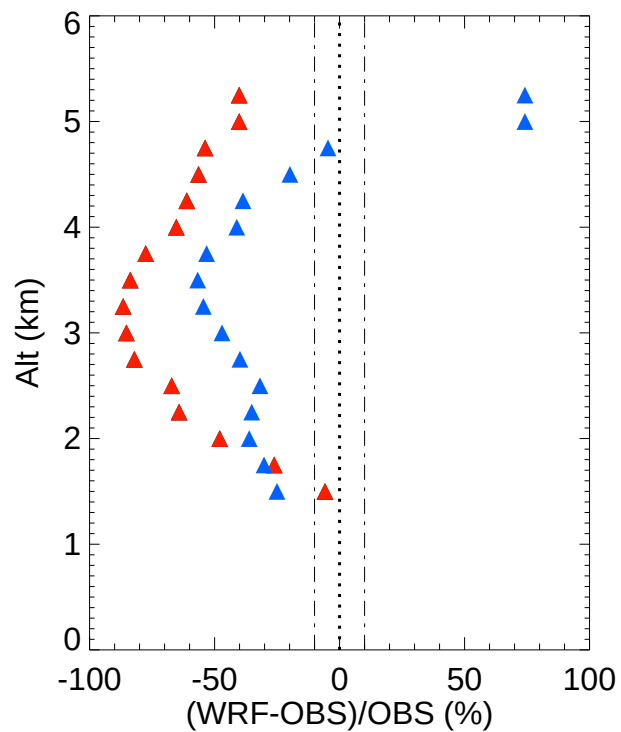
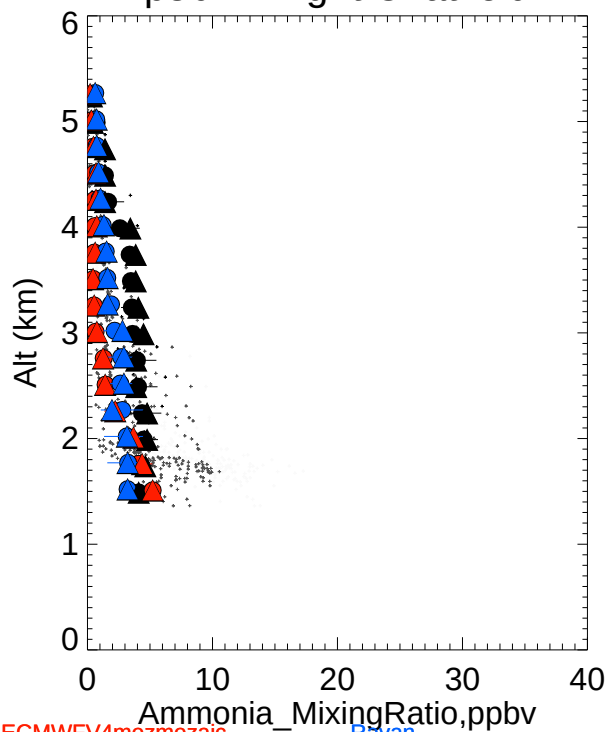




p3b All flight LaCasa



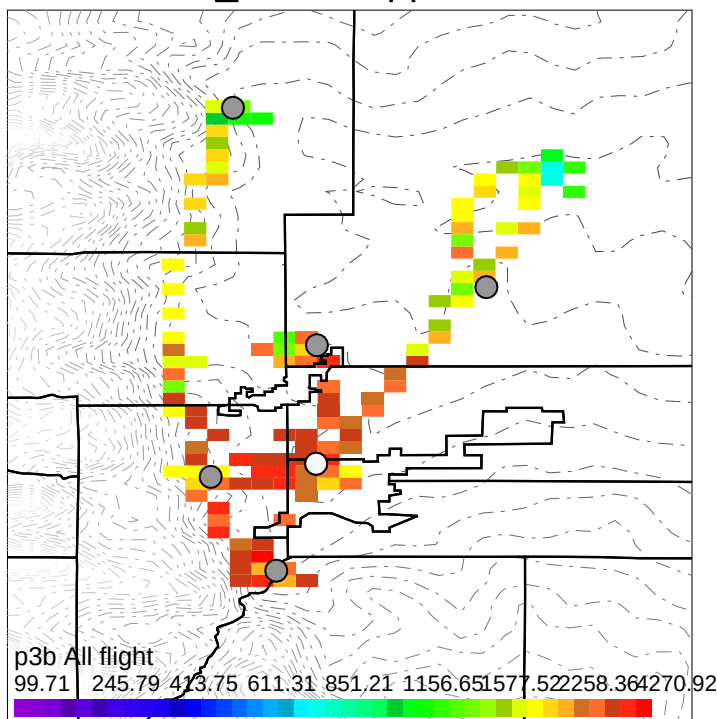
p3b All flight Chatfield



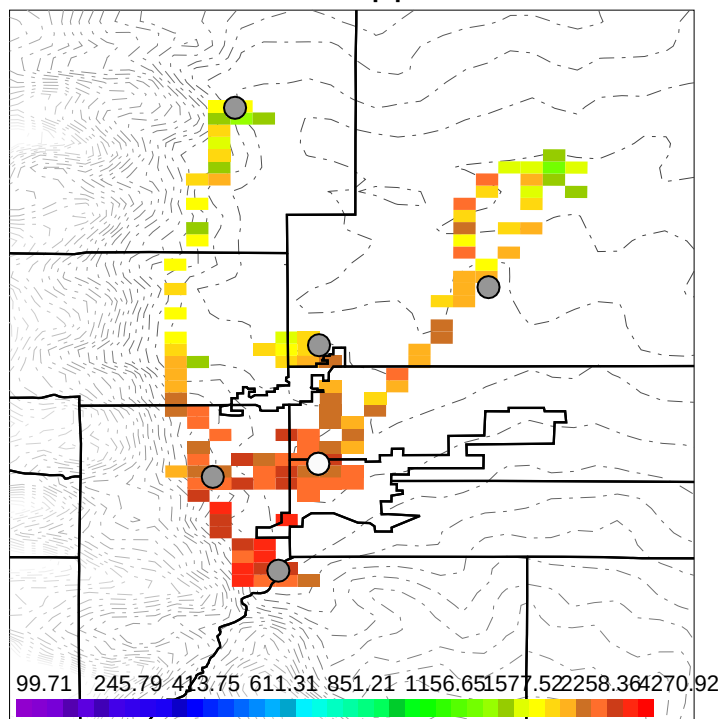
BTXv2ECMWFV4mozmozaic-

Ravan-

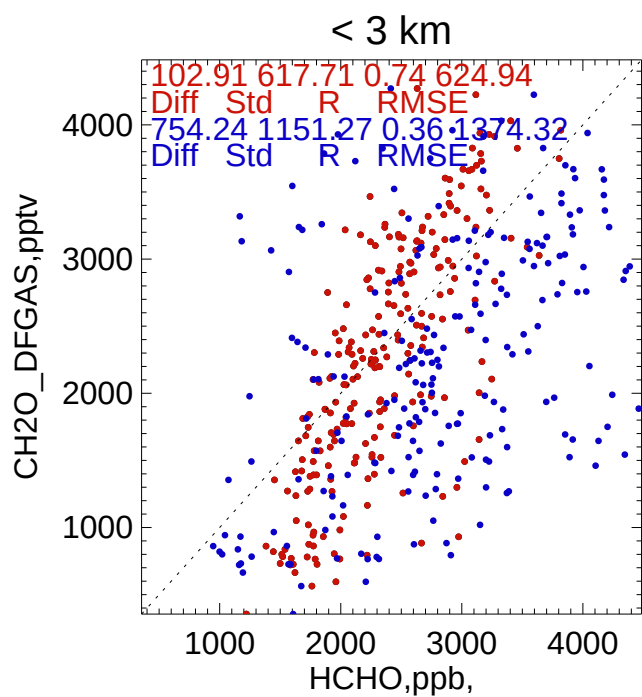
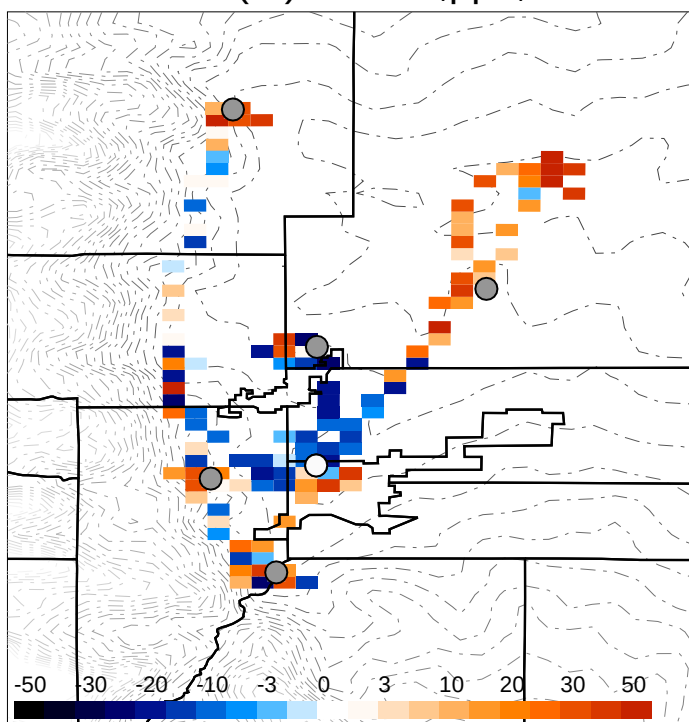
CH2O_DFGAS,pptv < 3 km



Model HCHO,ppb, < 3 km



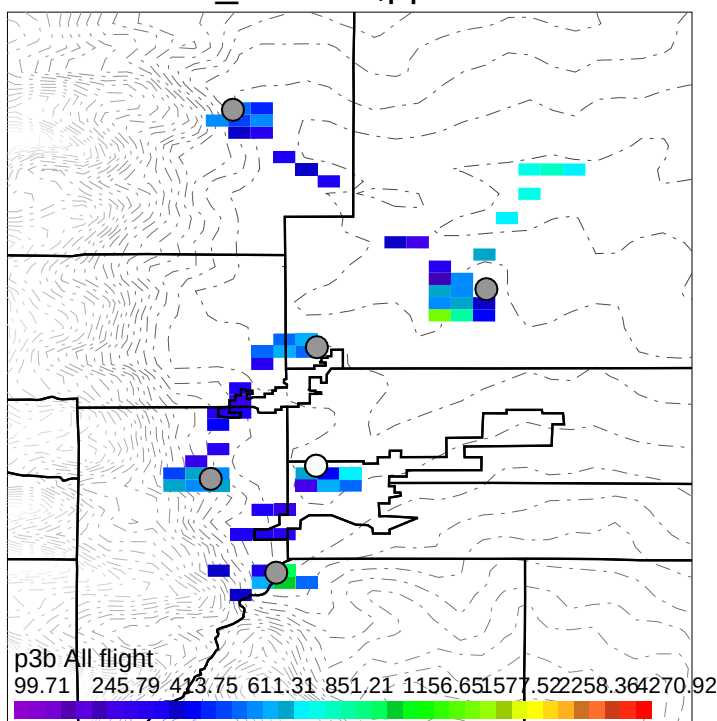
Model-Obs(%) HCHO,ppb, < 3 km



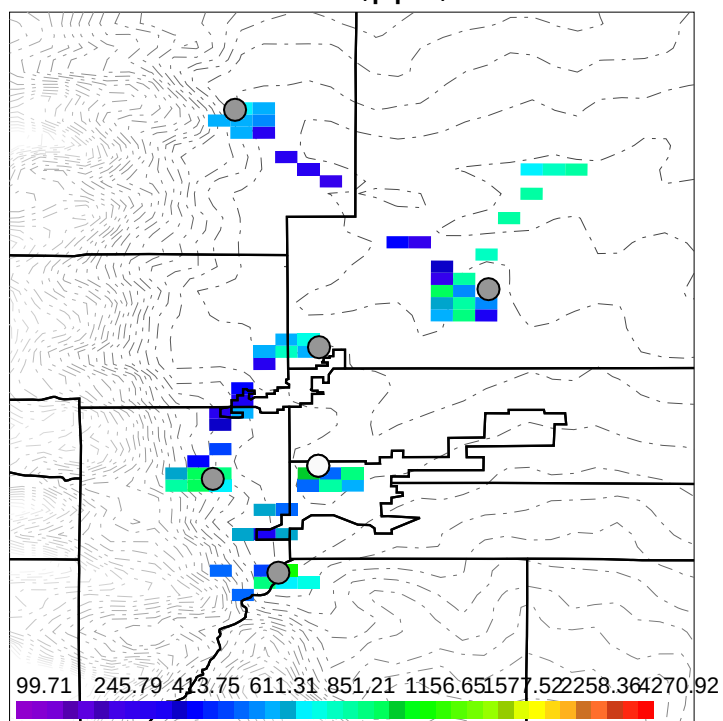
BTXv2ECMWFV4mozmozaic-

Ravan-

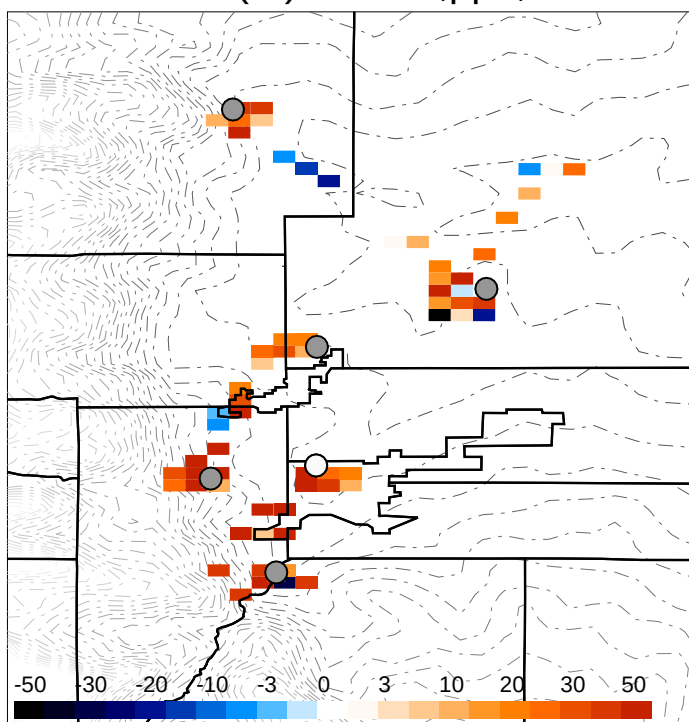
CH2O_DFGAS,pptv > 3 km



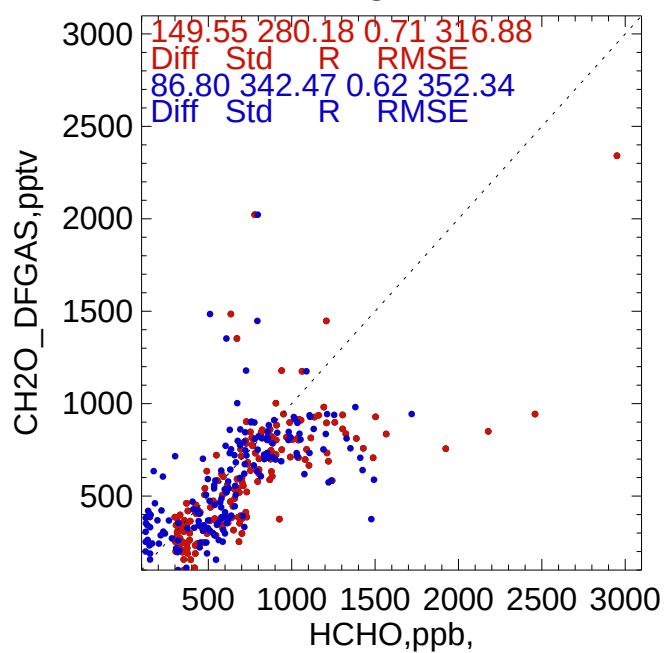
Model HCHO,ppb, > 3 km



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



> 3 km

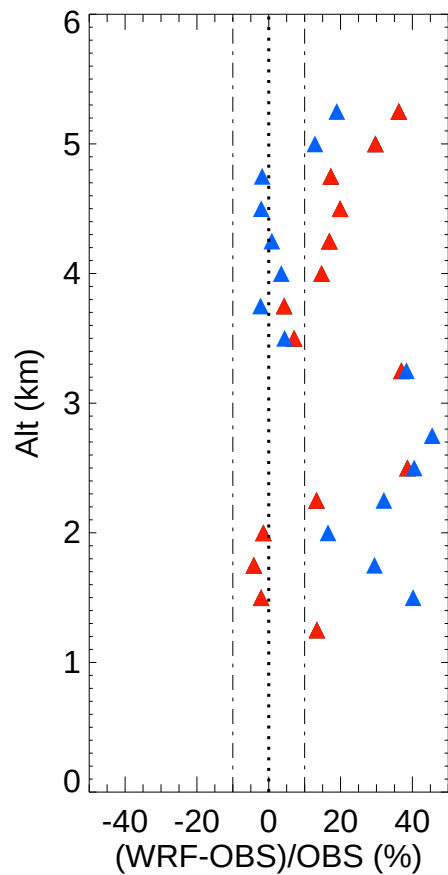
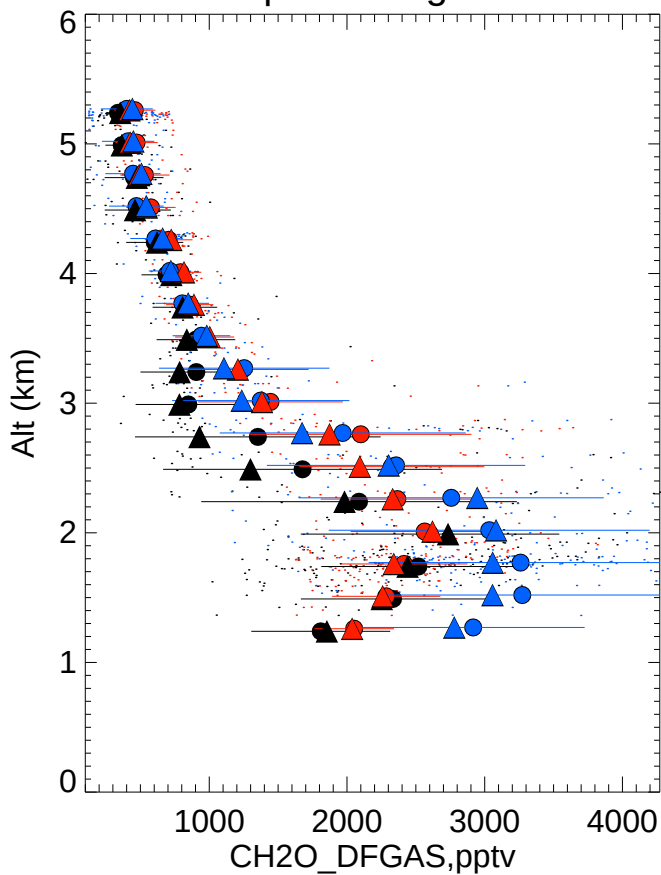
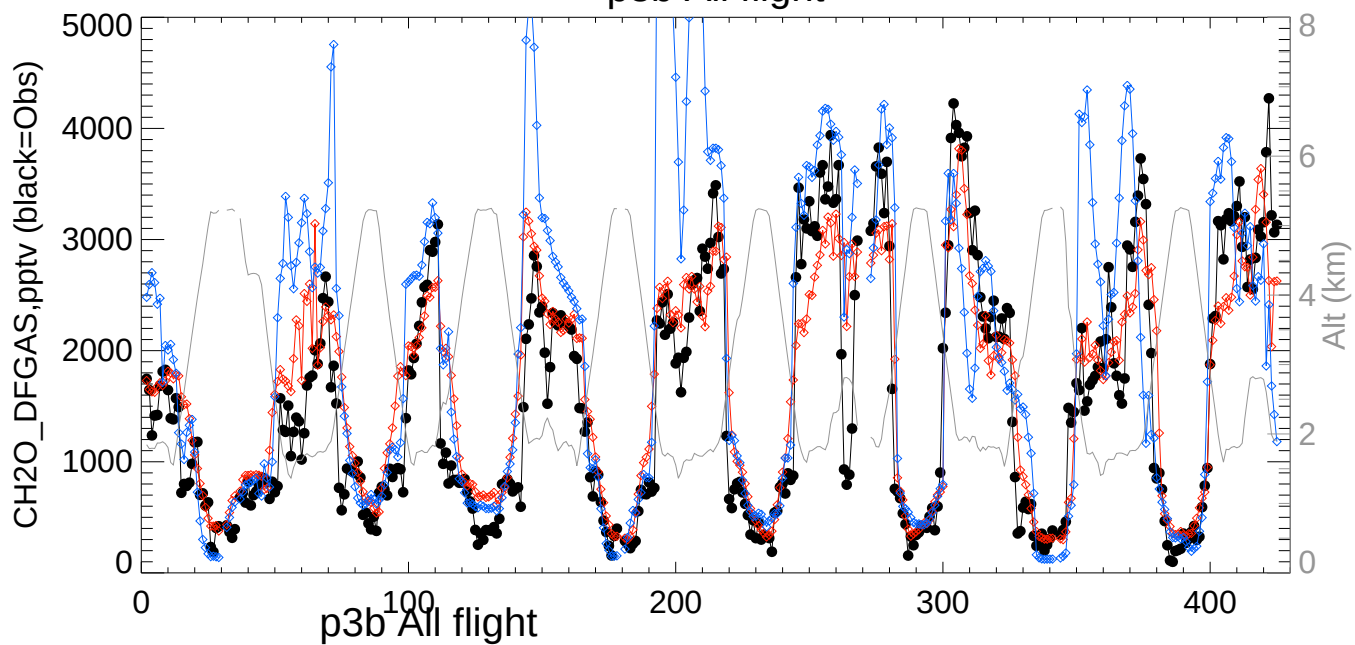


BTXv2ECMWFV4mozmozaic-

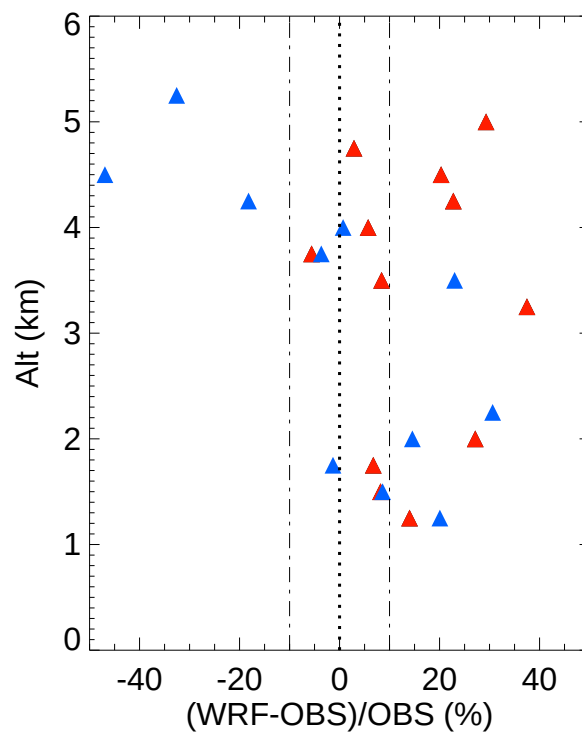
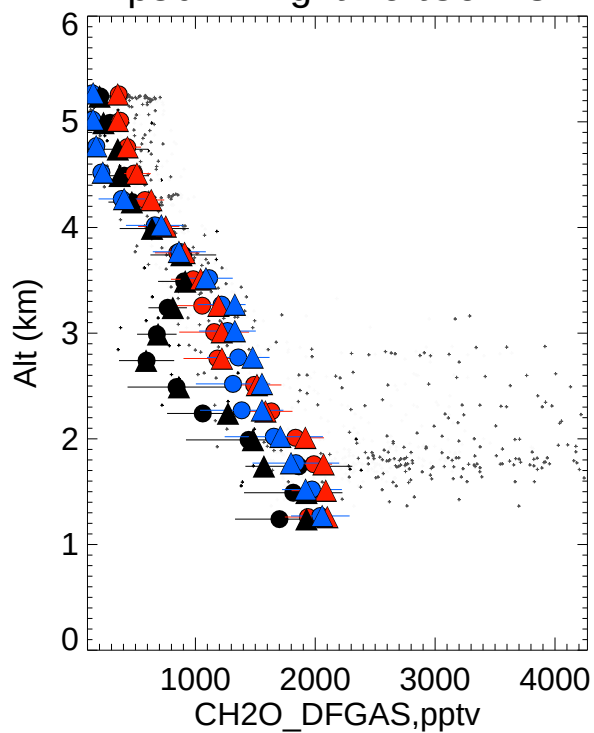
Ravan-

BTXv2ECMWFV4mozmozarRavan-

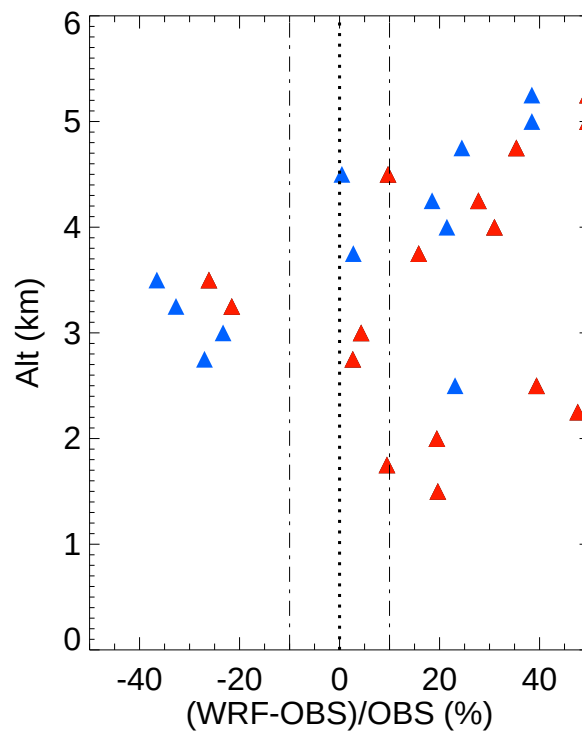
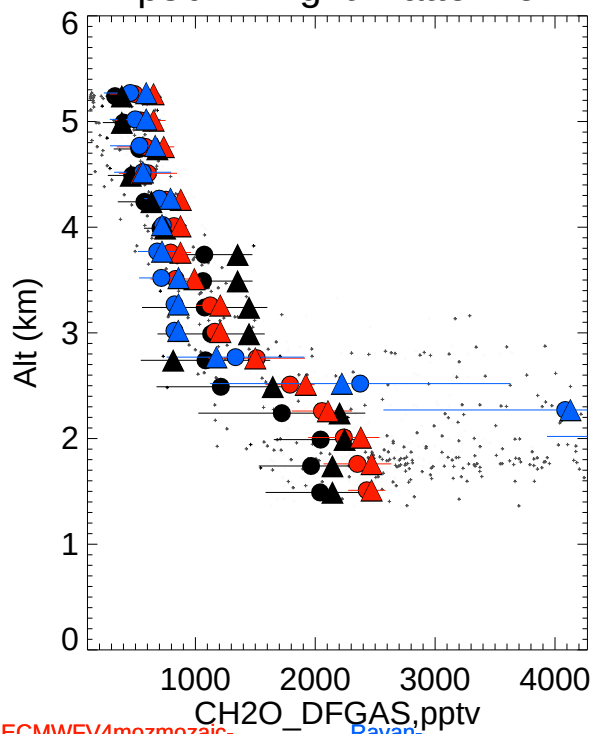
p3b All flight

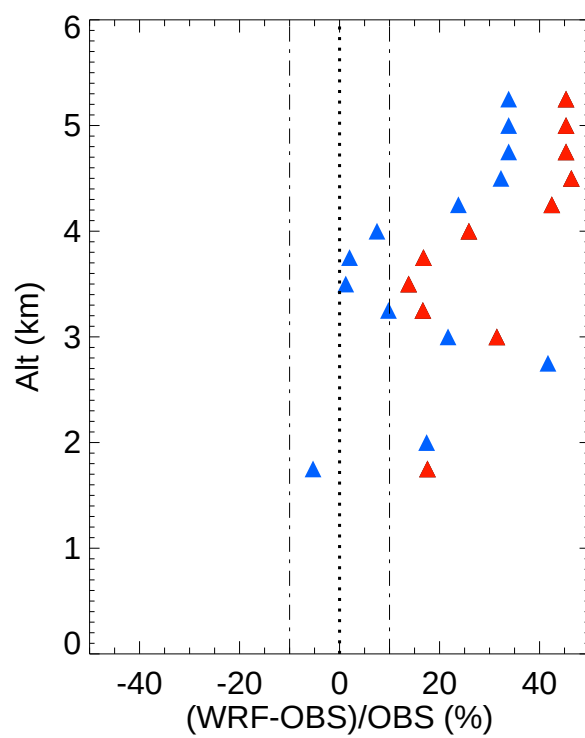
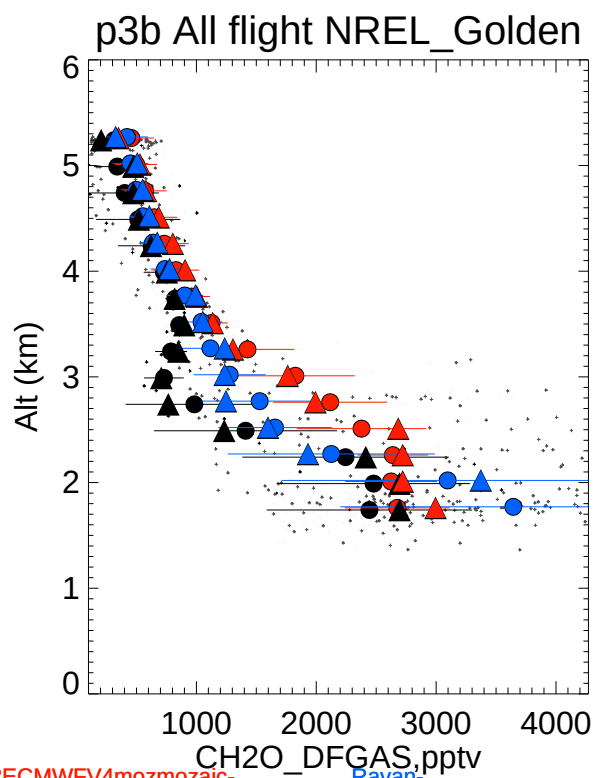
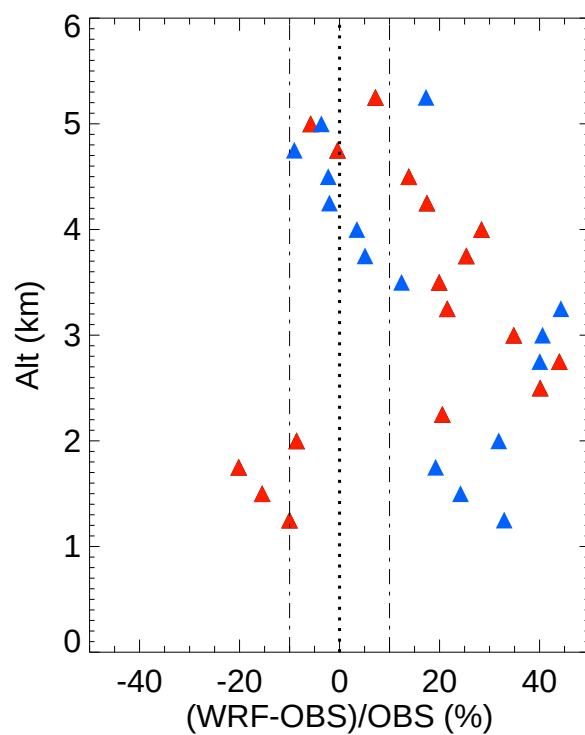
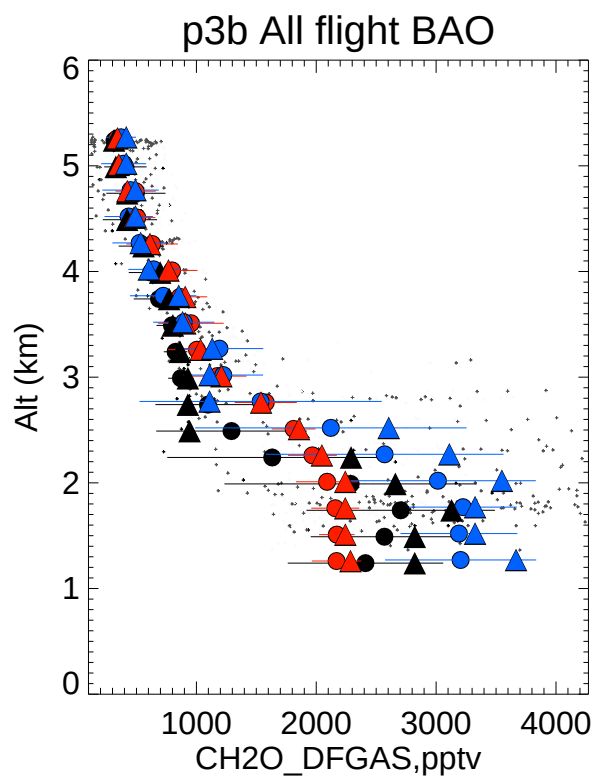


p3b All flight FortCollins

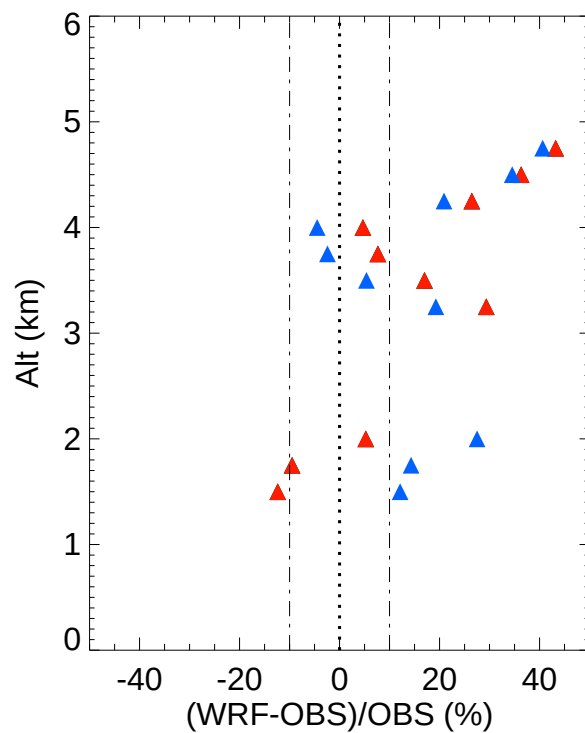
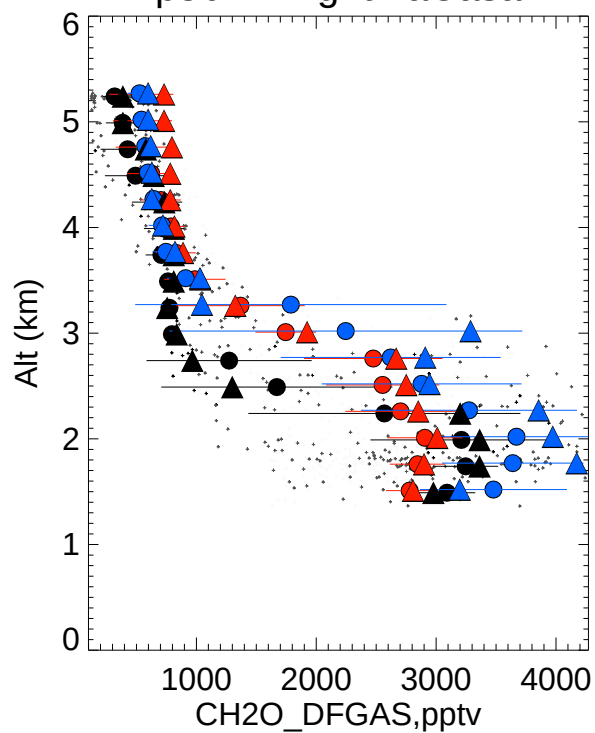


p3b All flight Platteville

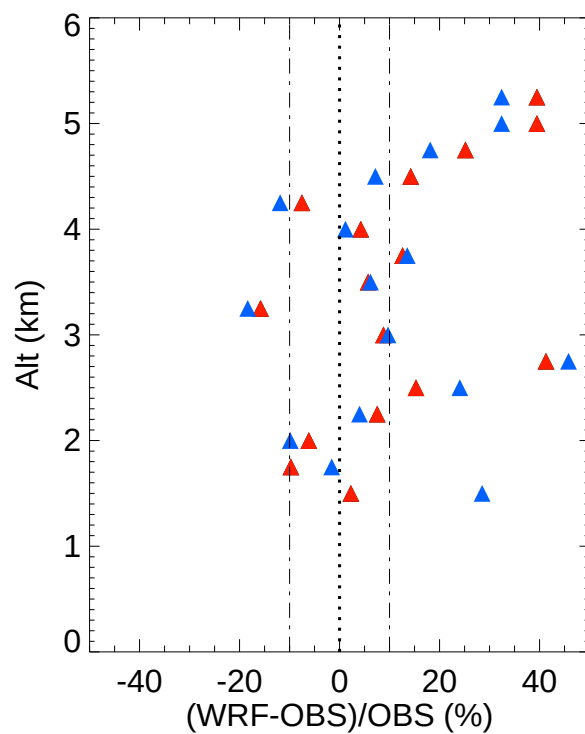
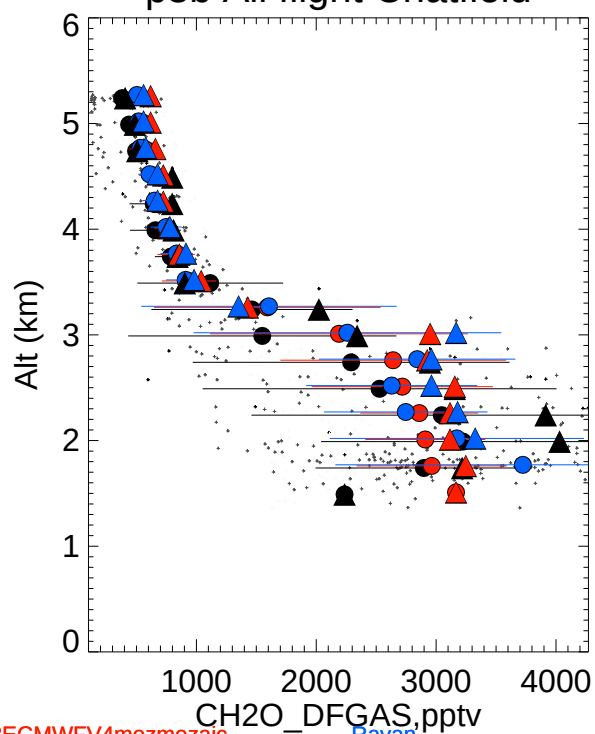




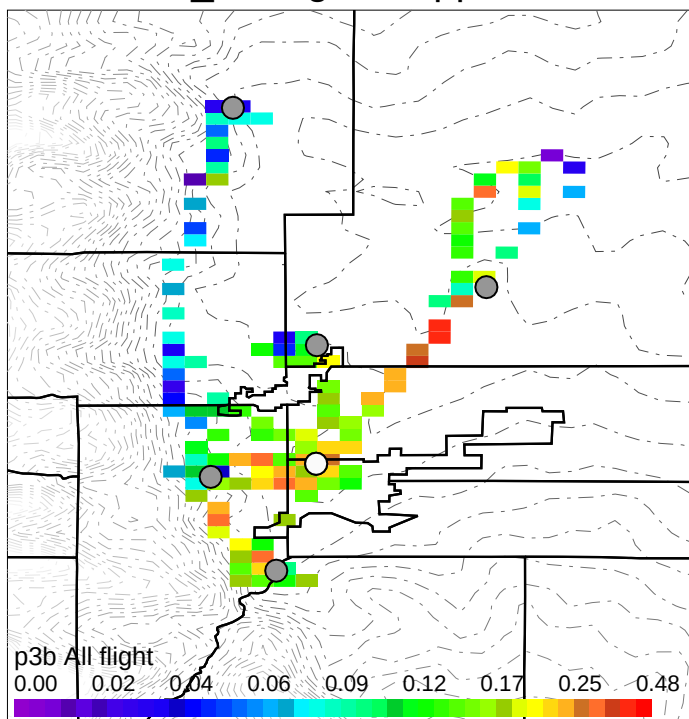
p3b All flight LaCasa



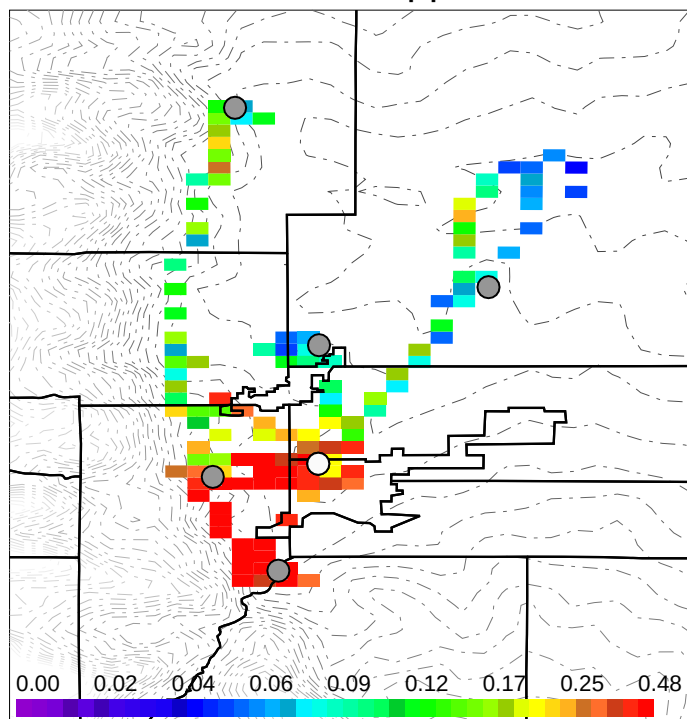
p3b All flight Chatfield



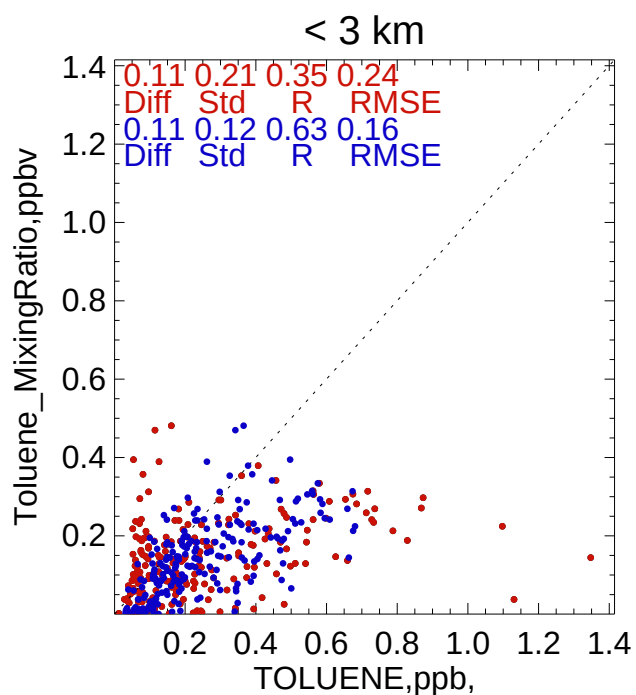
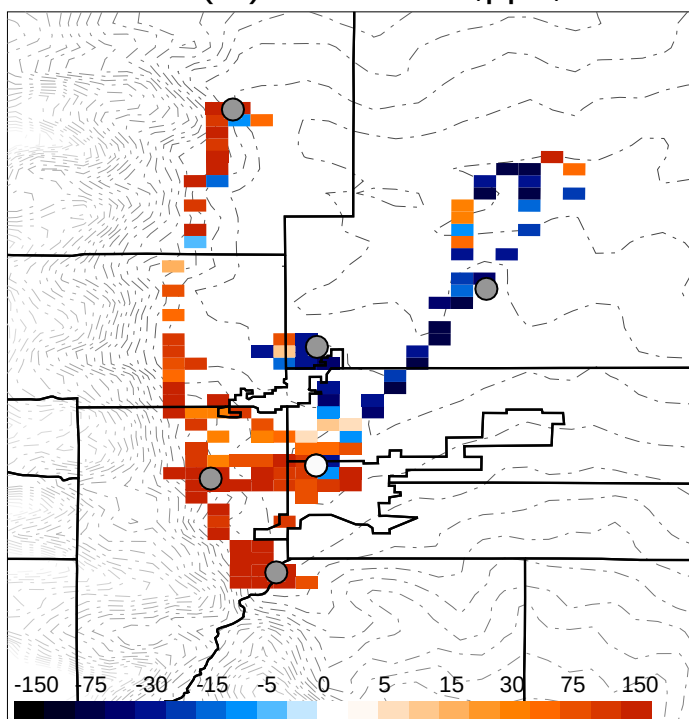
Toluene_MixingRatio,ppbv < 3 km



Model TOLUENE,ppb, < 3 km



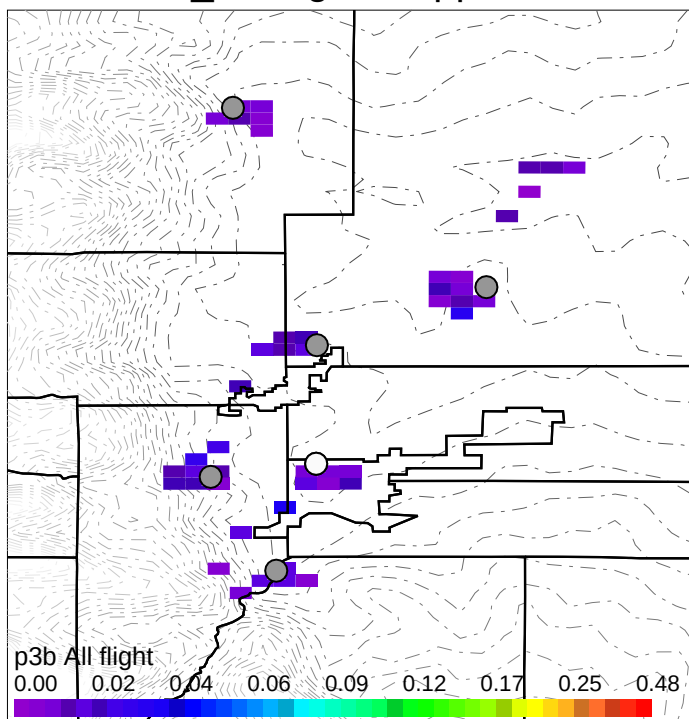
Model-Obs(%) TOLUENE,ppb, < 3 km



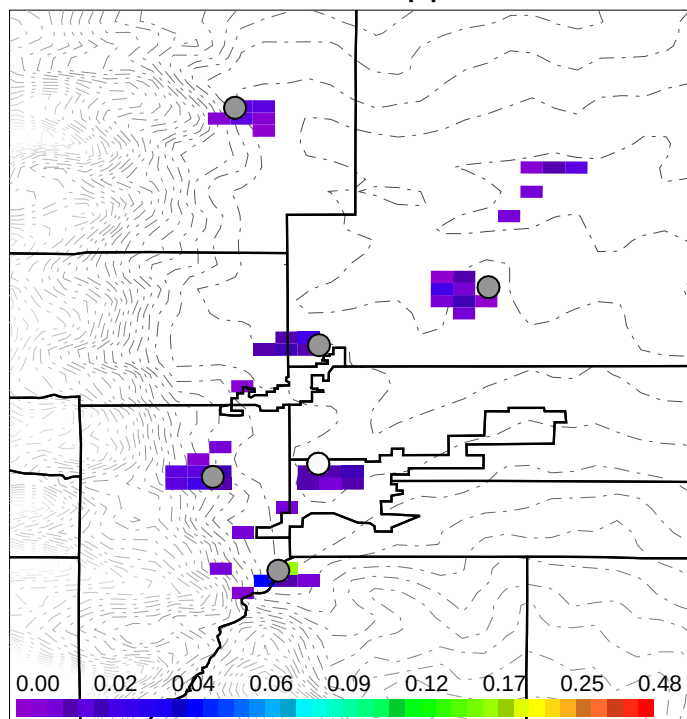
BTXv2ECMWFV4mozmozaic-

Ravan-

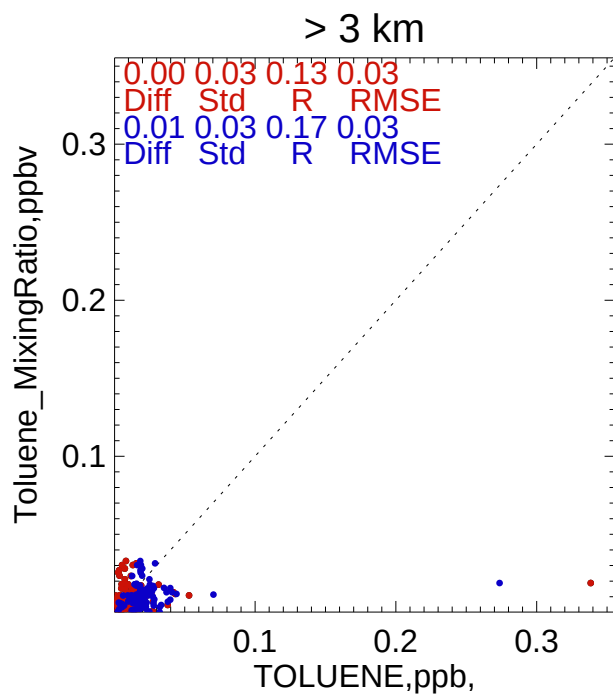
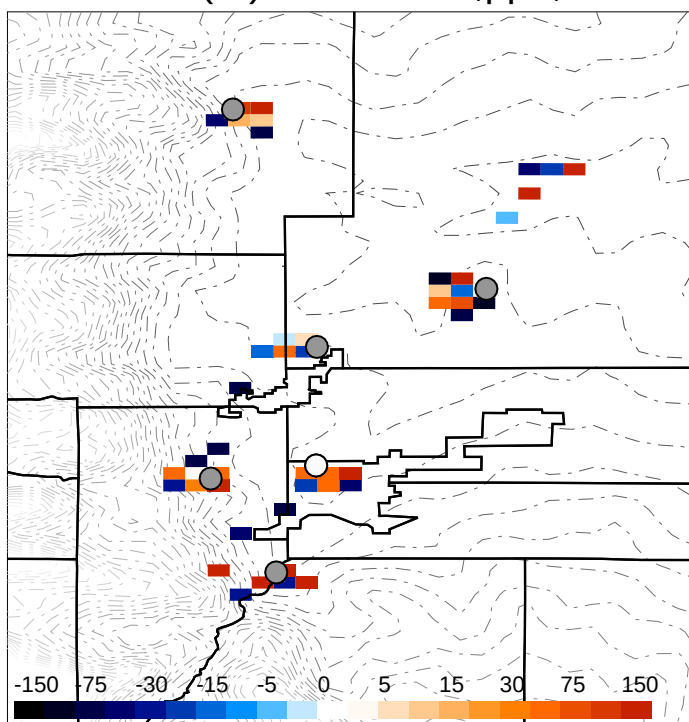
Toluene_MixingRatio,ppbv > 3 km



Model TOLUENE,ppb, > 3 km



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

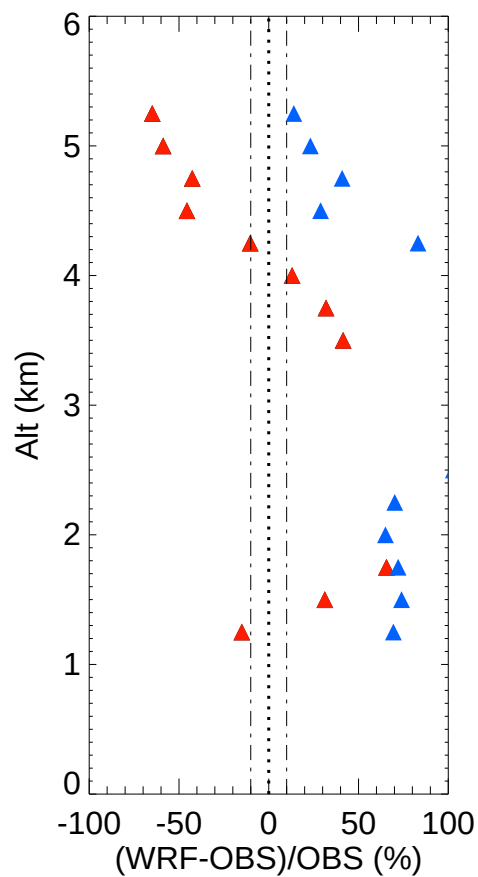
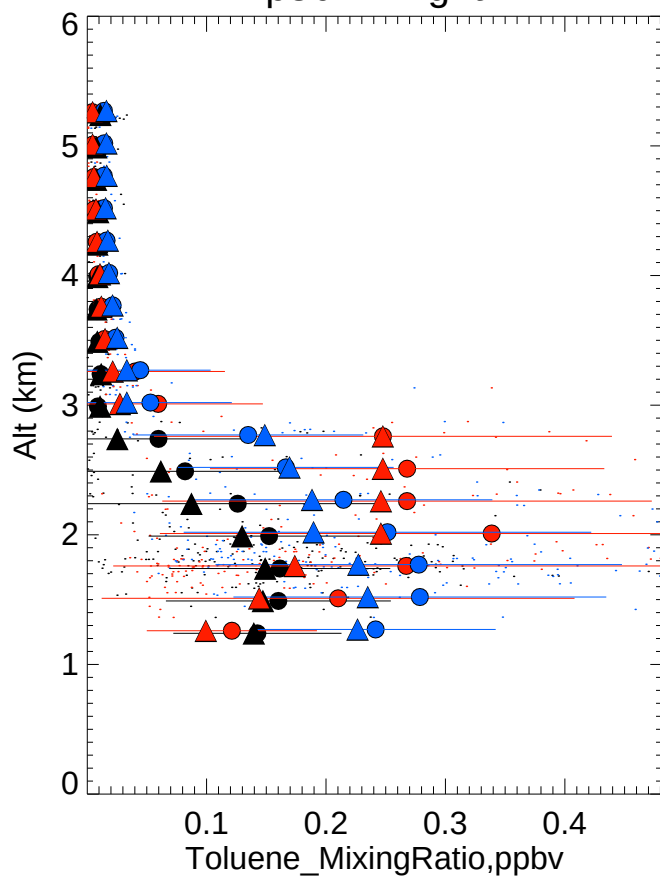
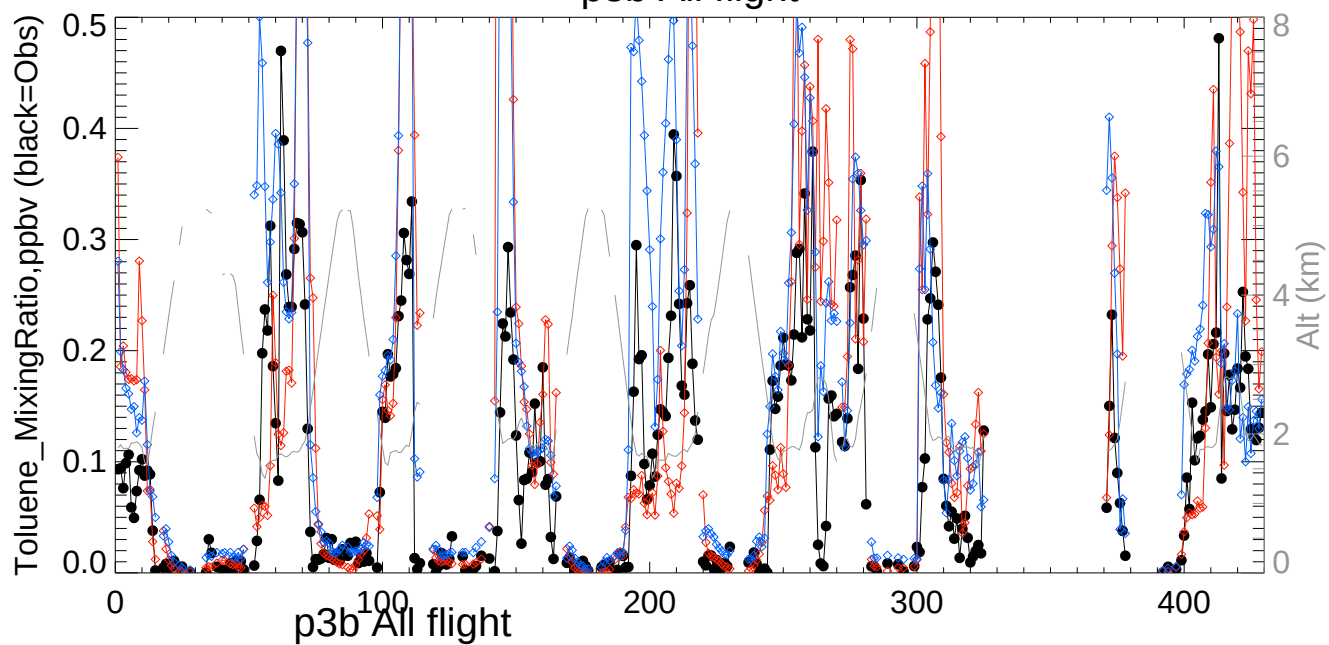


BTXv2ECMWFV4mozmozaic-

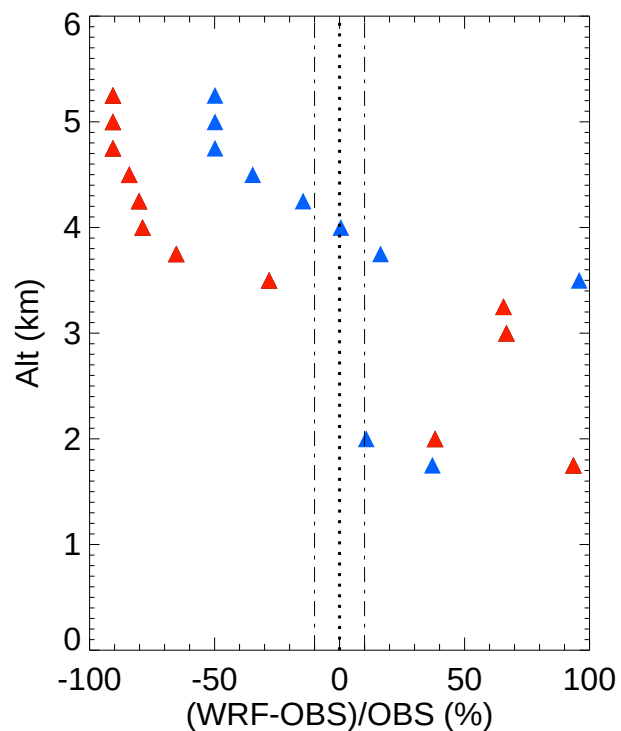
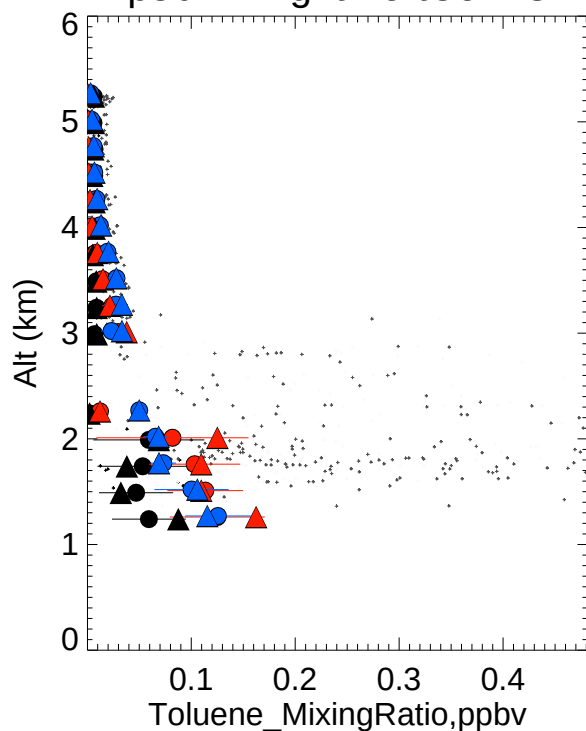
Ravan-

BTXv2ECMWFV4mozmozarRavan-

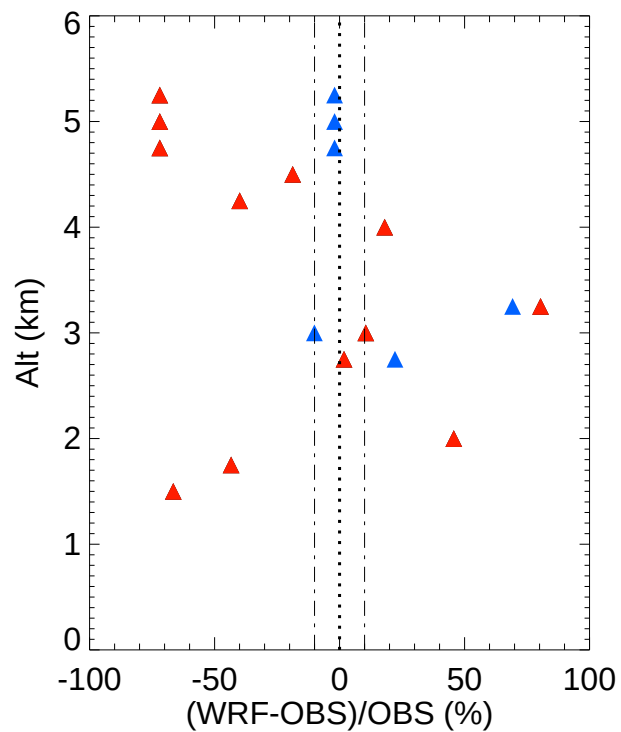
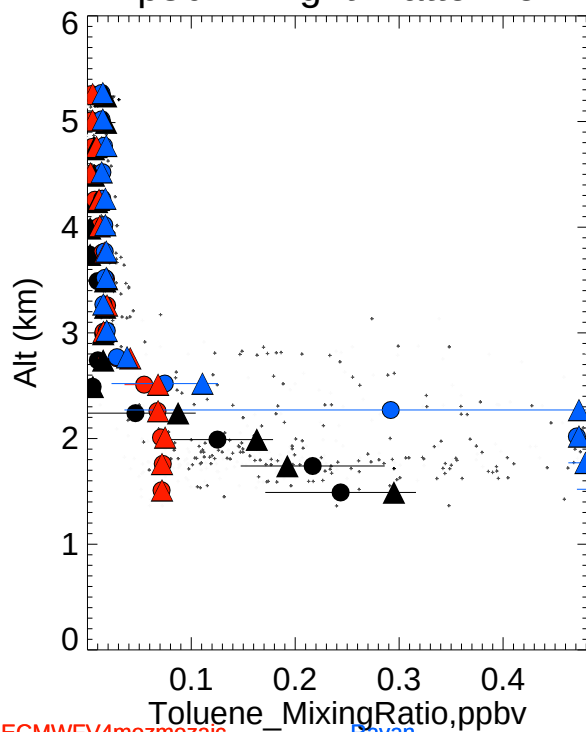
p3b All flight

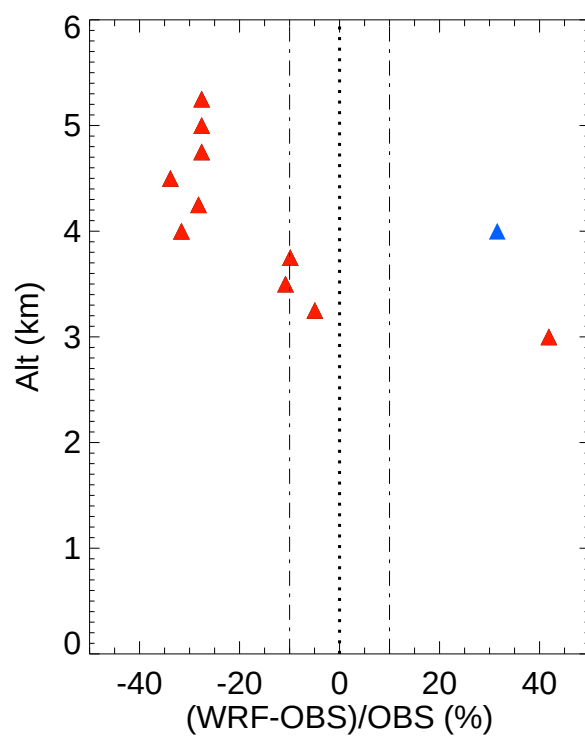
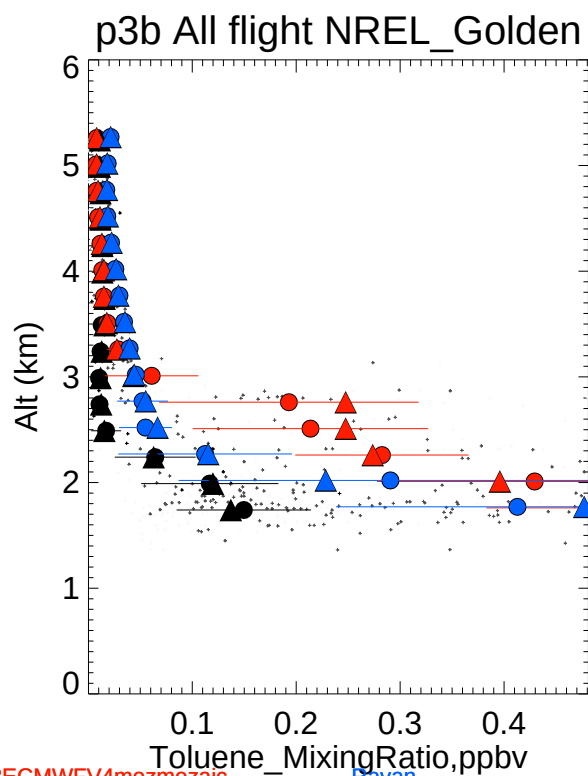
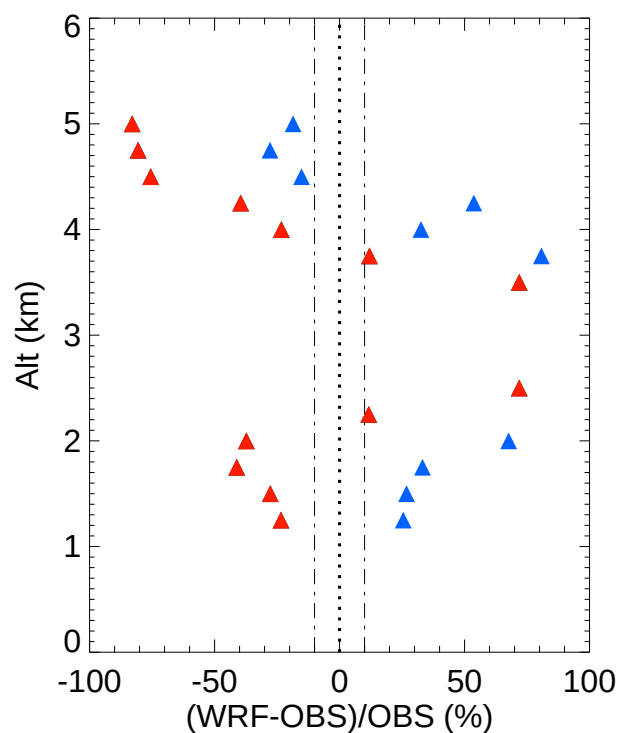
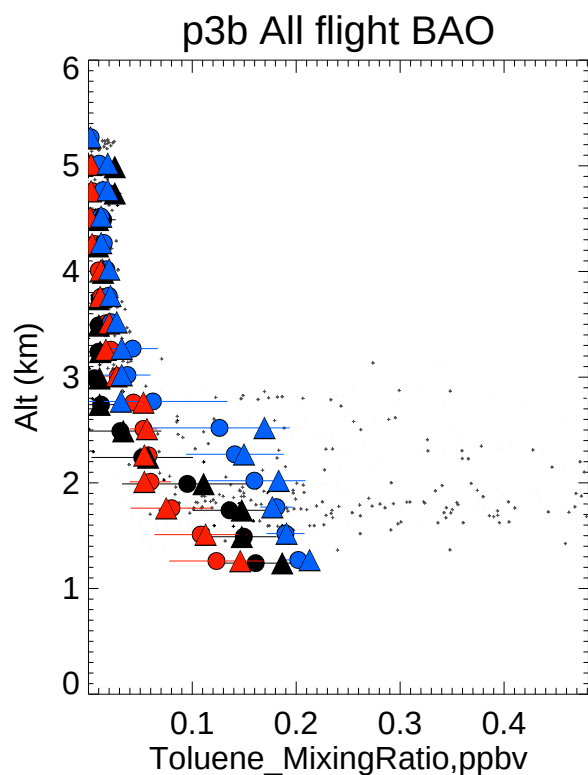


p3b All flight FortCollins

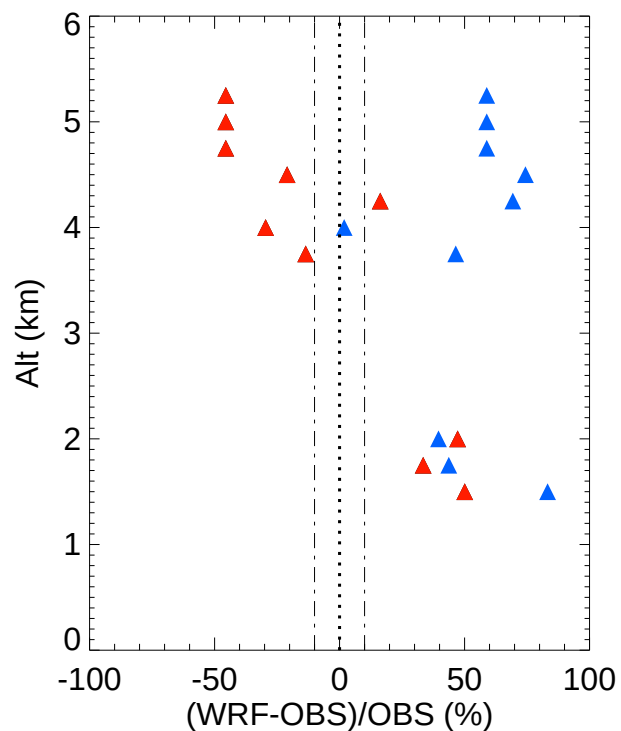
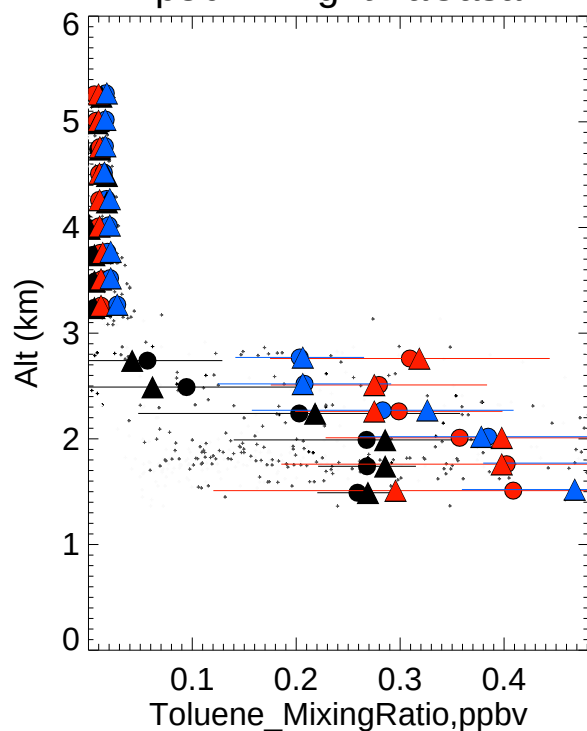


p3b All flight Platteville

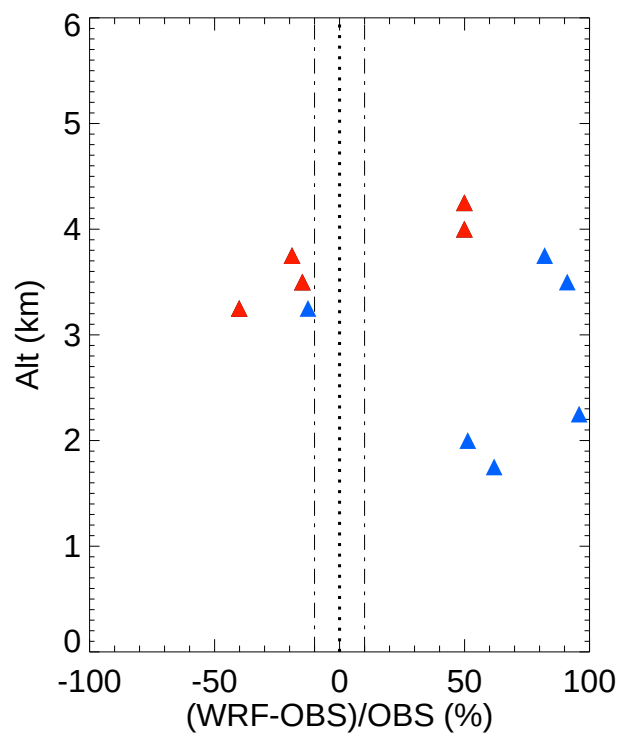
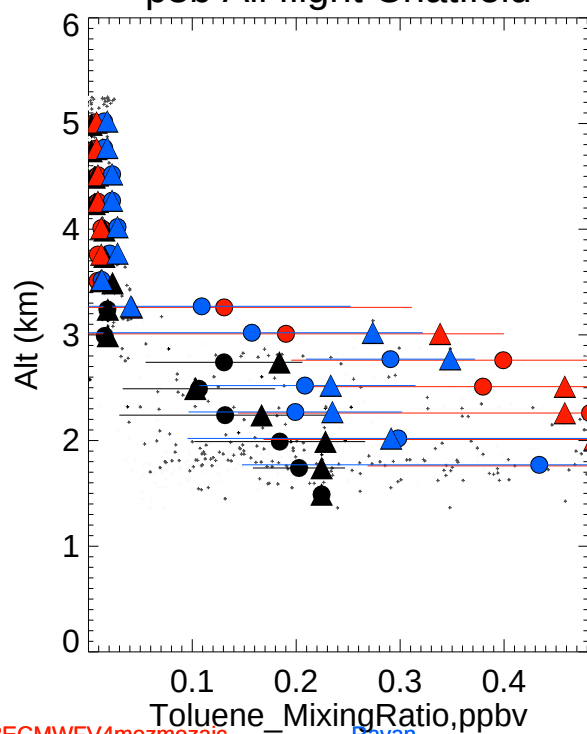




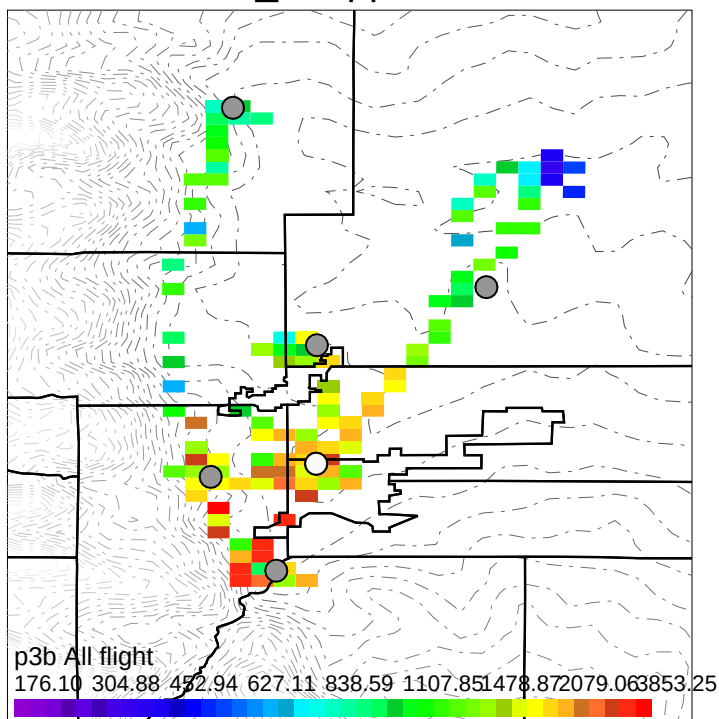
p3b All flight LaCasa



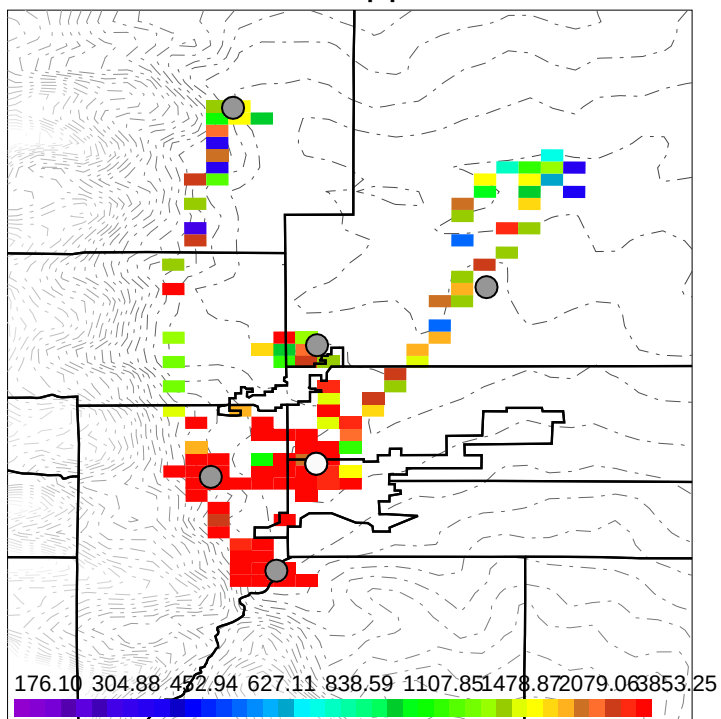
p3b All flight Chatfield



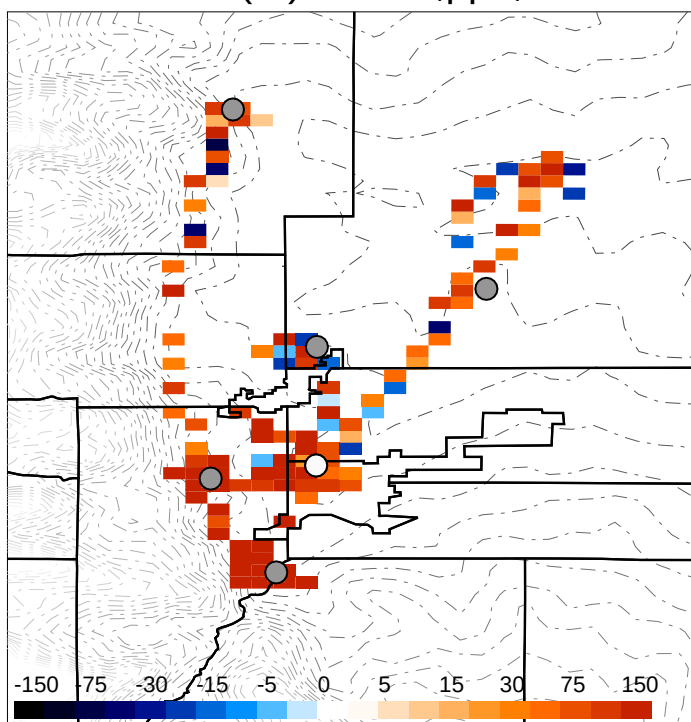
HNO₃_LIF,pptv < 3 km



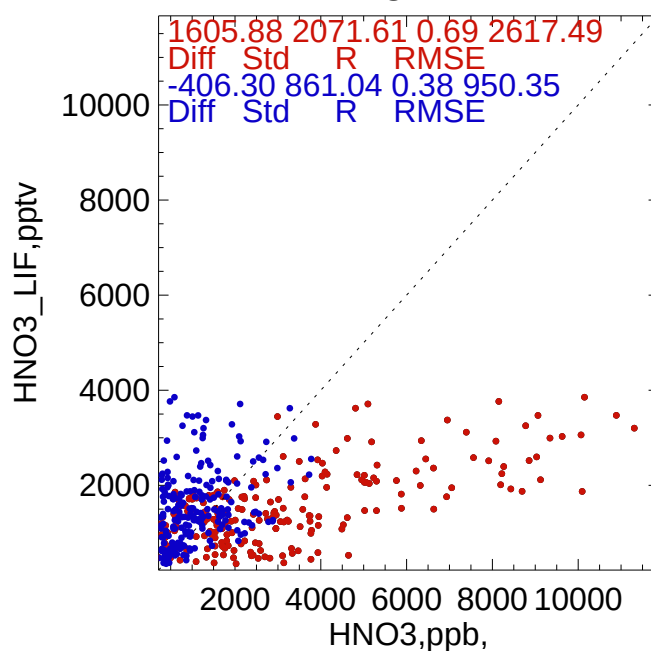
Model HNO₃,ppb, < 3 km



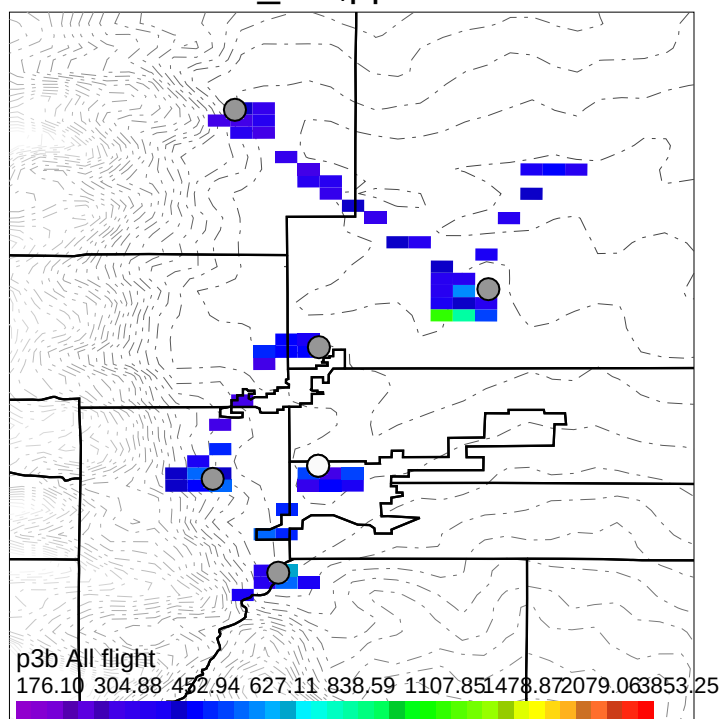
Model-Obs(%) HNO₃,ppb, < 3 km



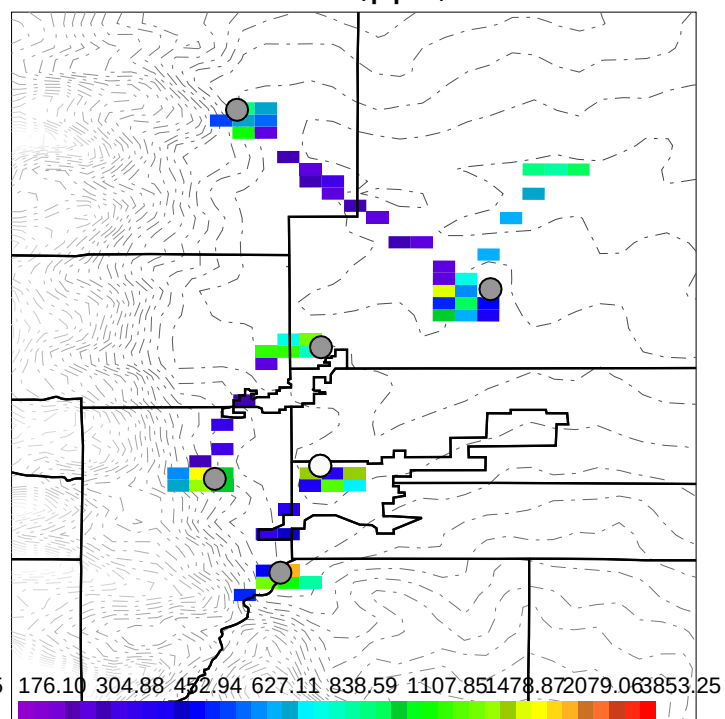
< 3 km



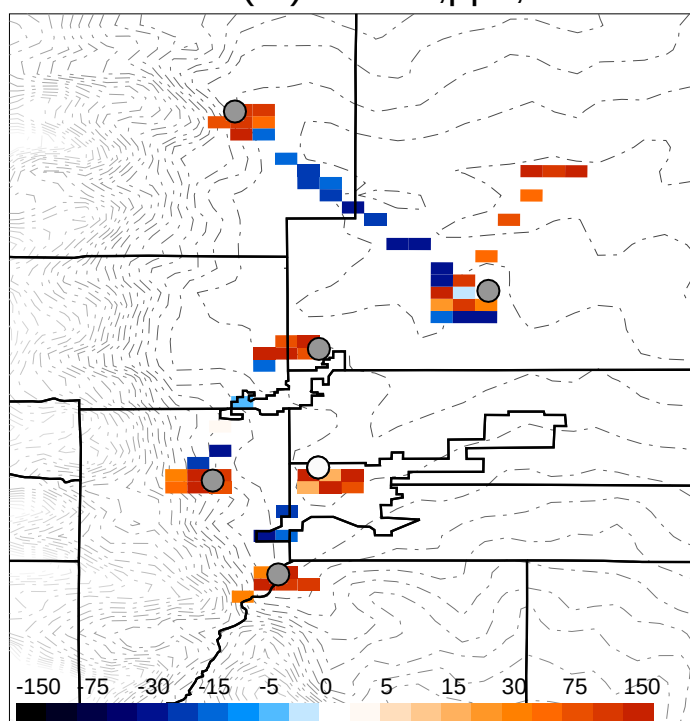
HNO₃_LIF,pptv > 3 km



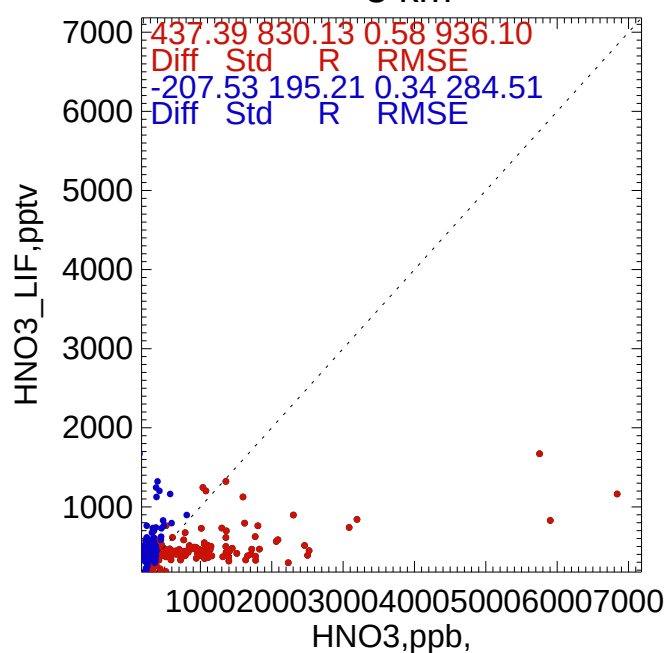
Model HNO₃,ppb, > 3 km



Model-Obs(%) HNO₃,ppb, > 3 km



> 3 km

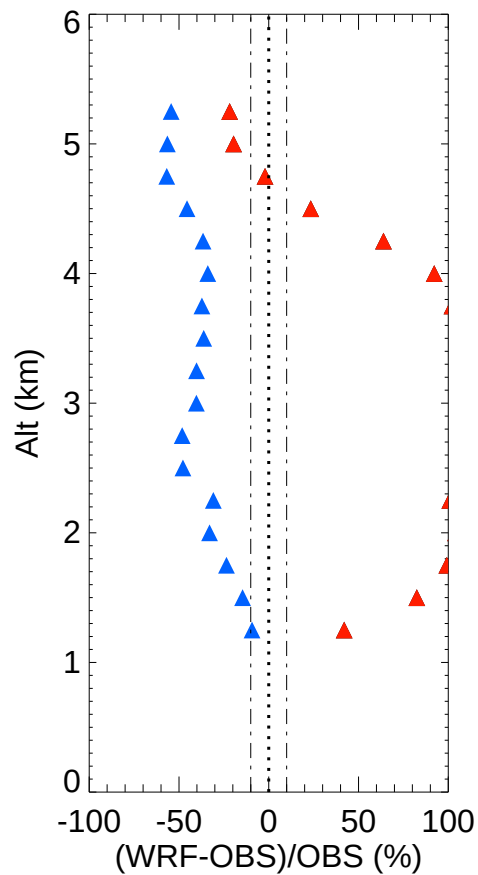
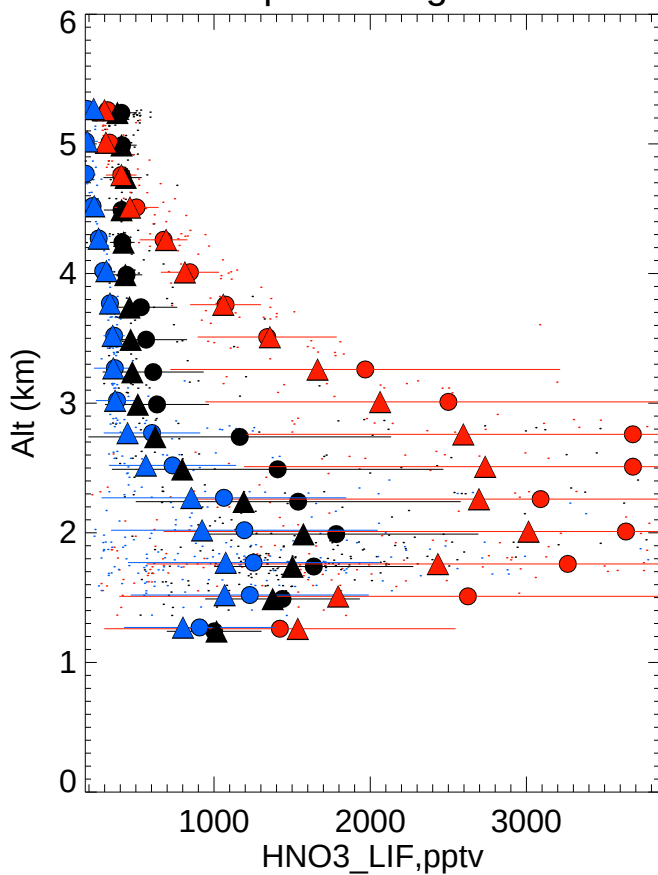
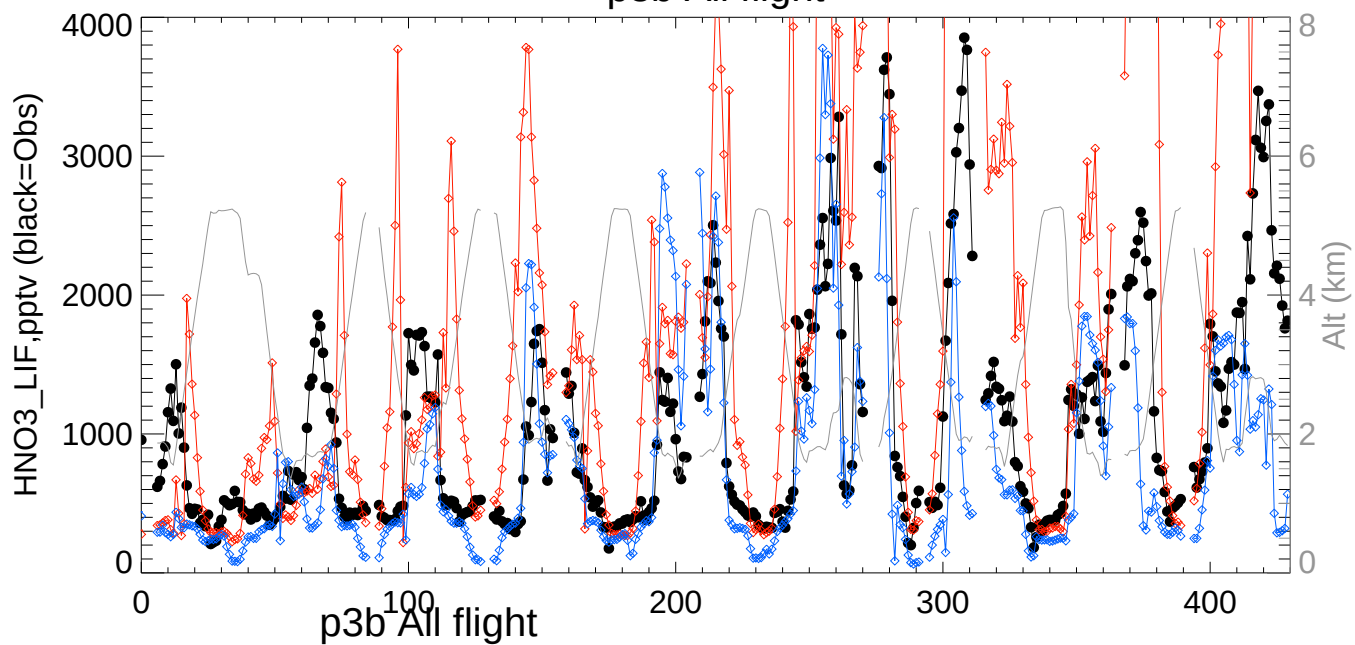


BTXv2ECMWFV4mozmozaic-

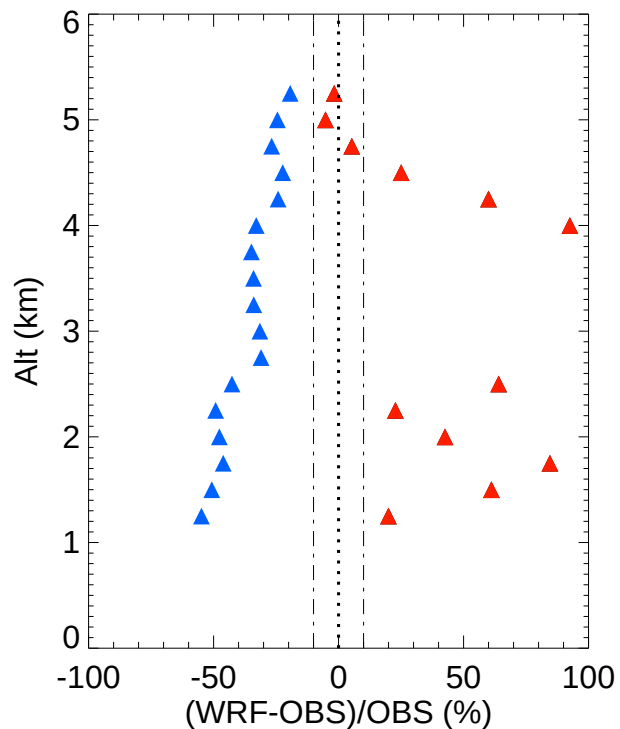
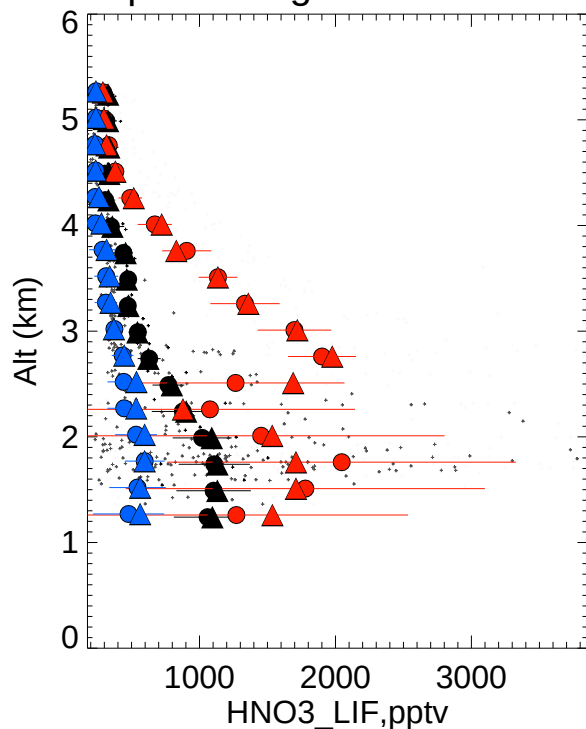
Ravan-

BTXv2ECMWFV4mozmozarRavan-

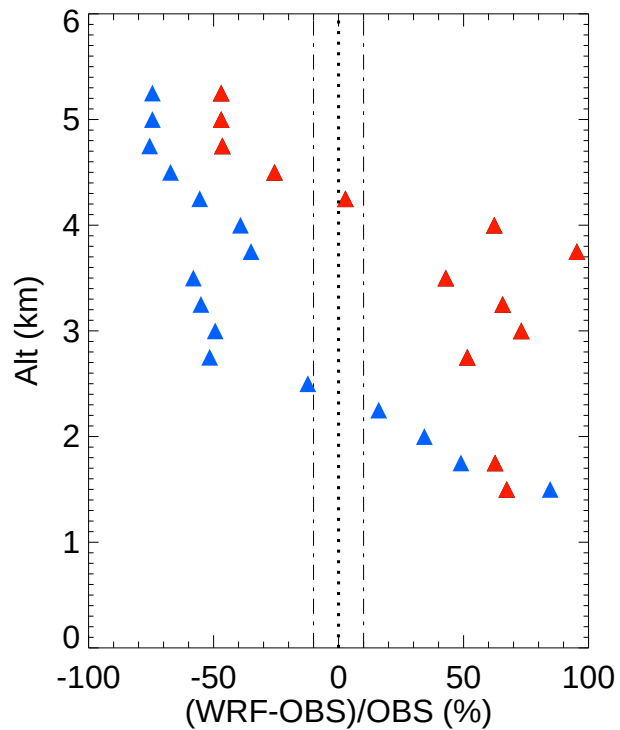
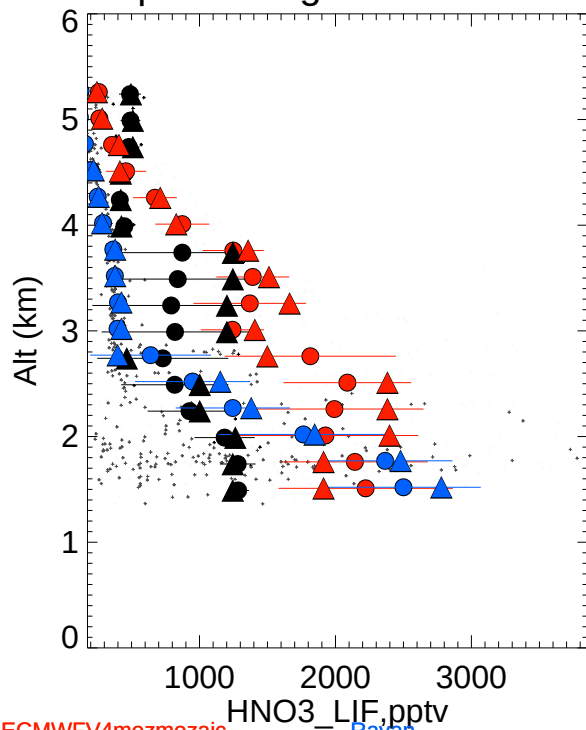
p3b All flight

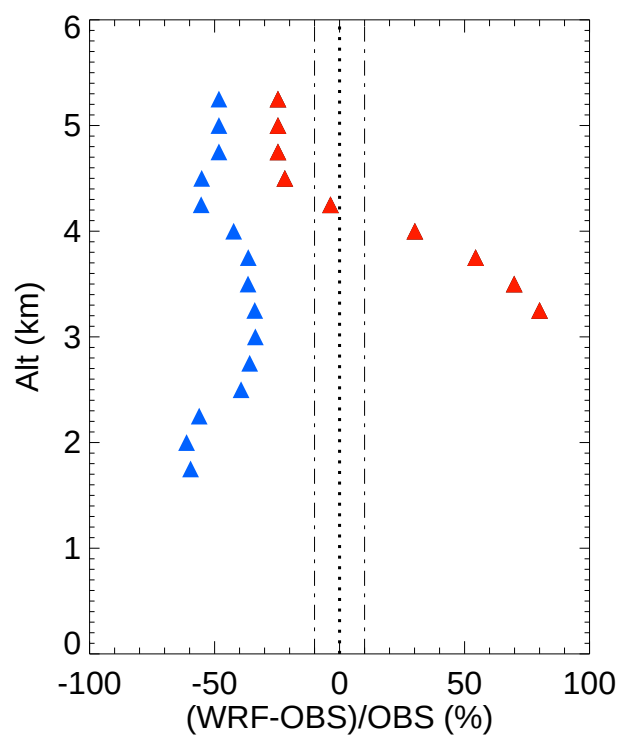
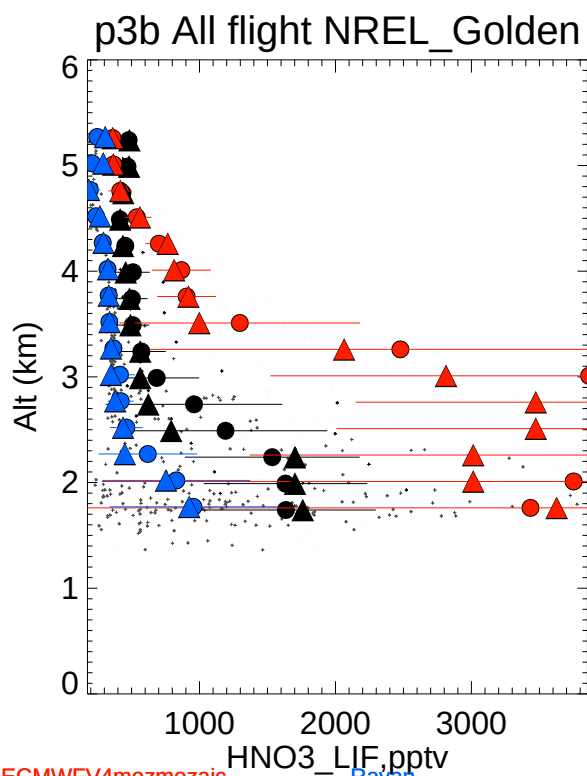
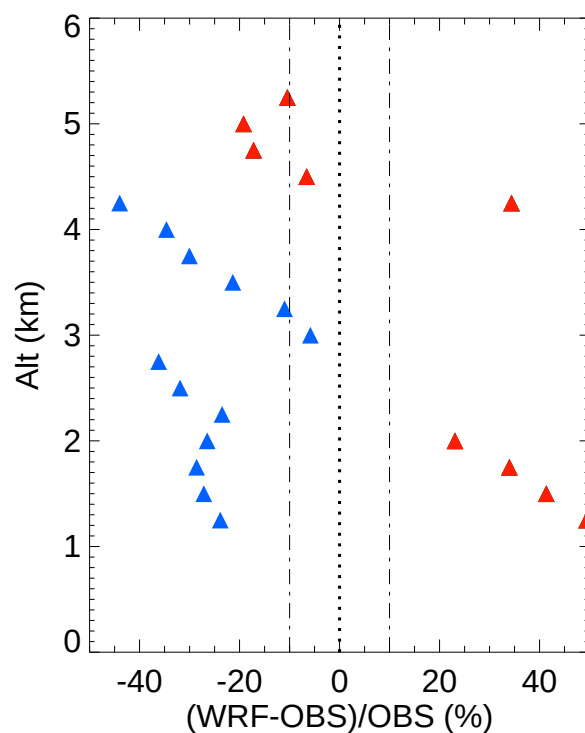
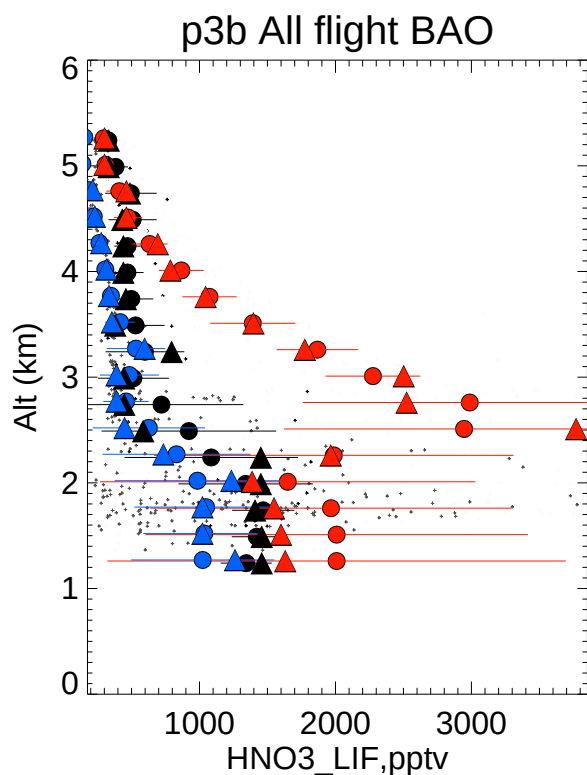


p3b All flight FortCollins

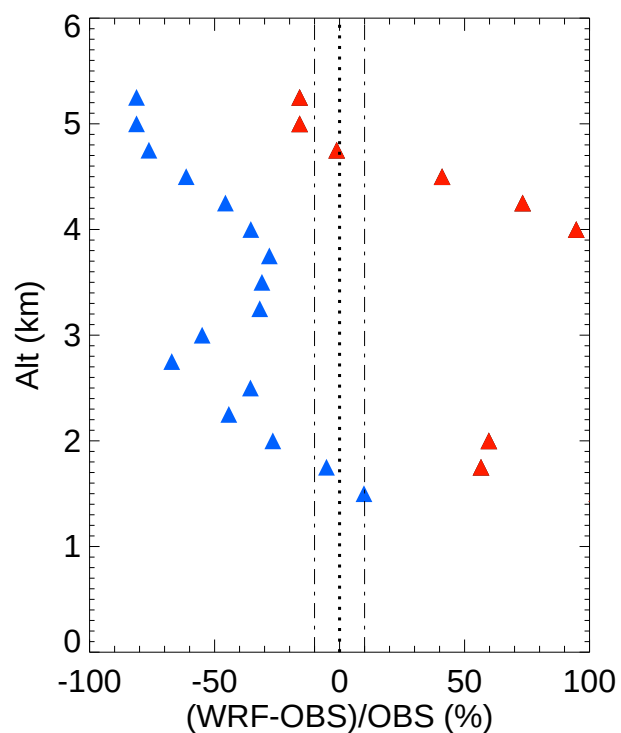
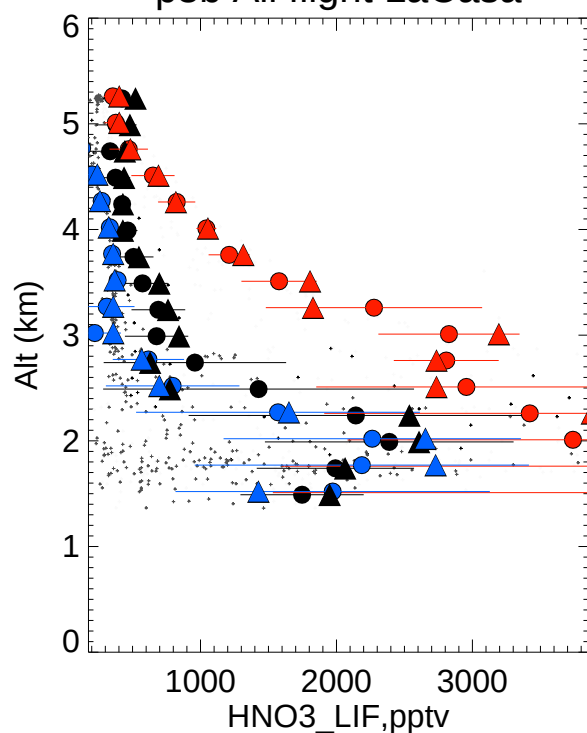


p3b All flight Platteville

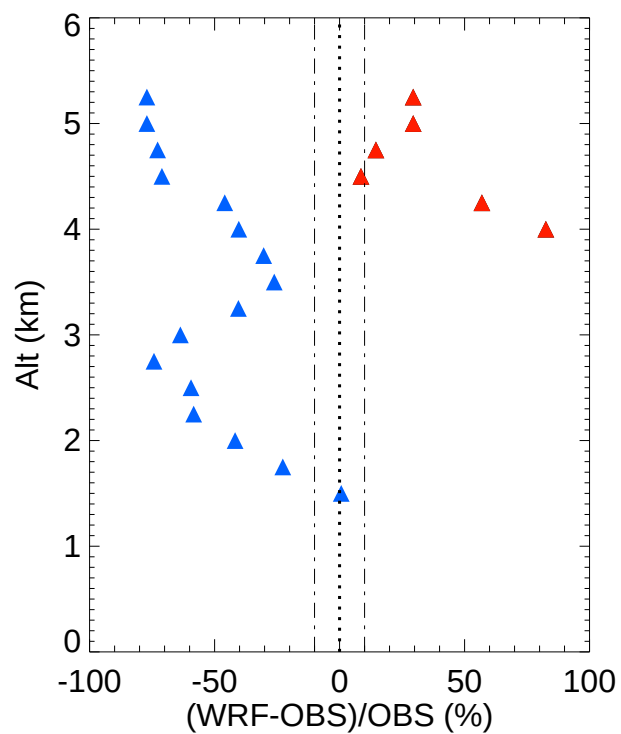
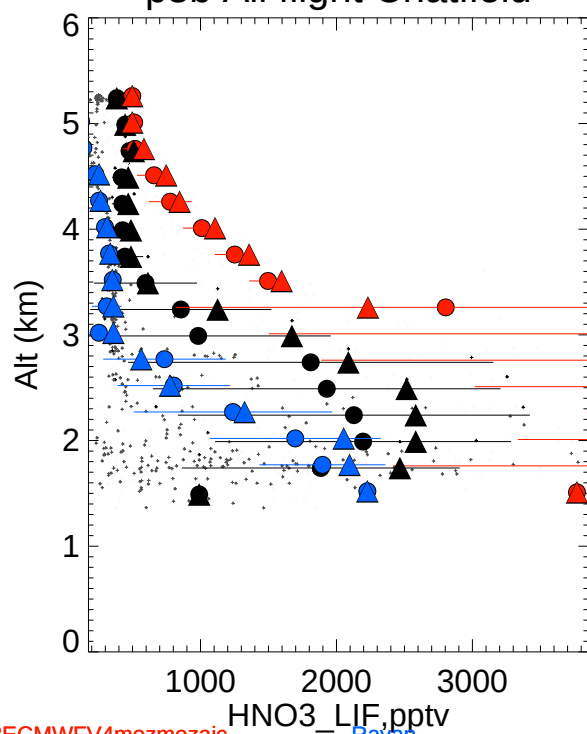




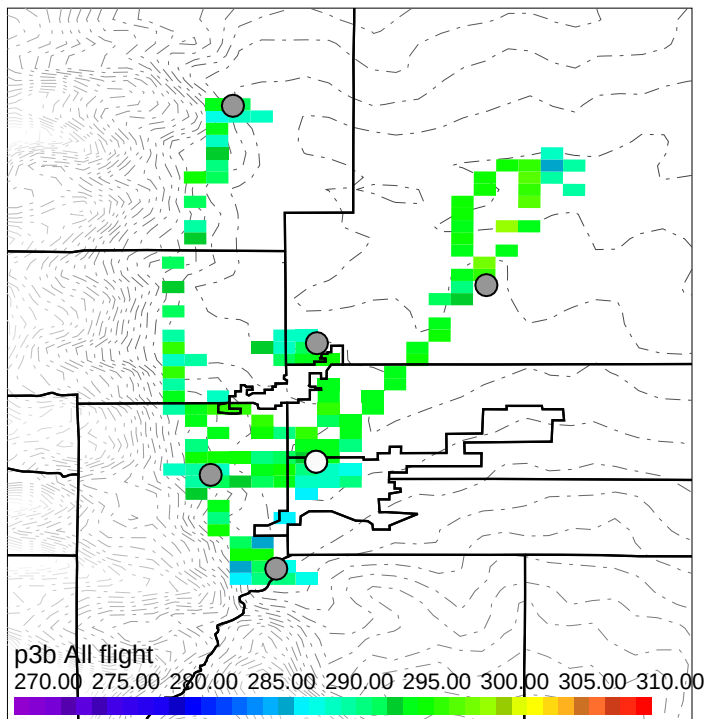
p3b All flight LaCasa



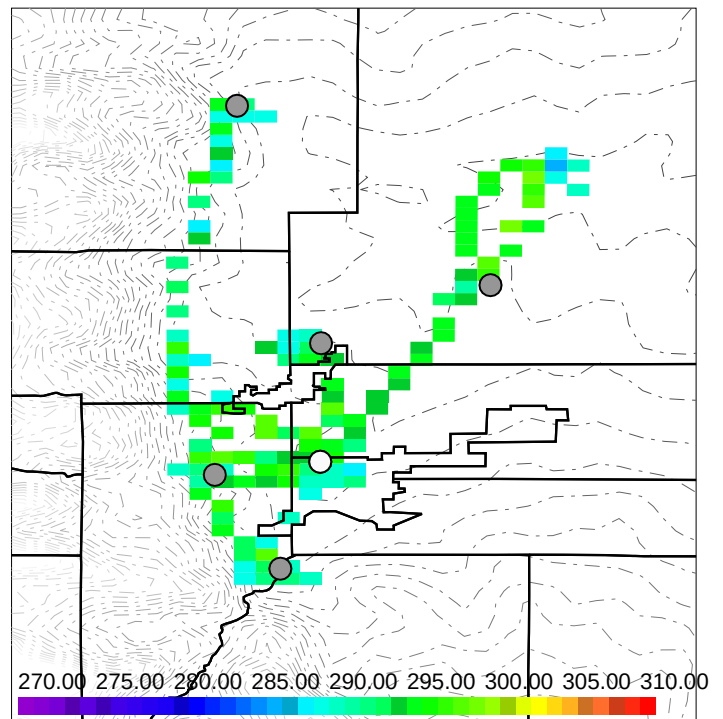
p3b All flight Chatfield



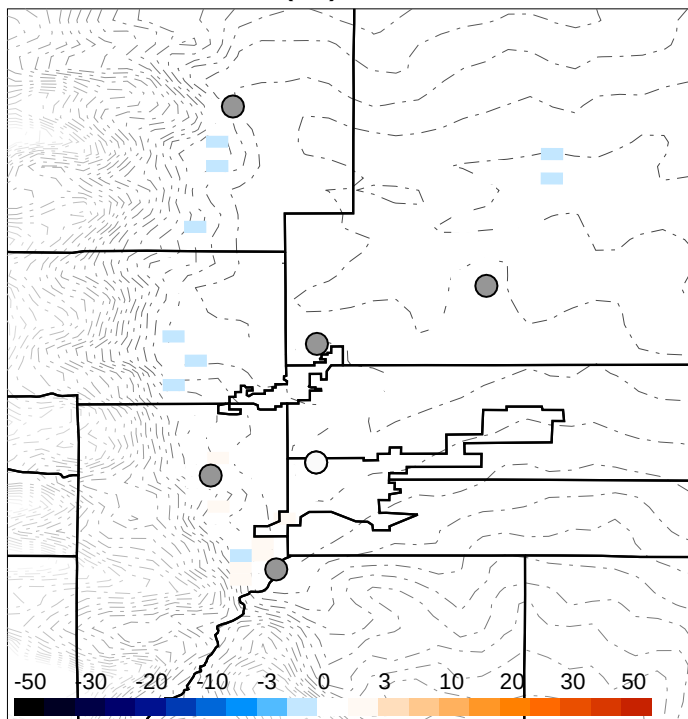
TEMPERATURE,K < 3 km



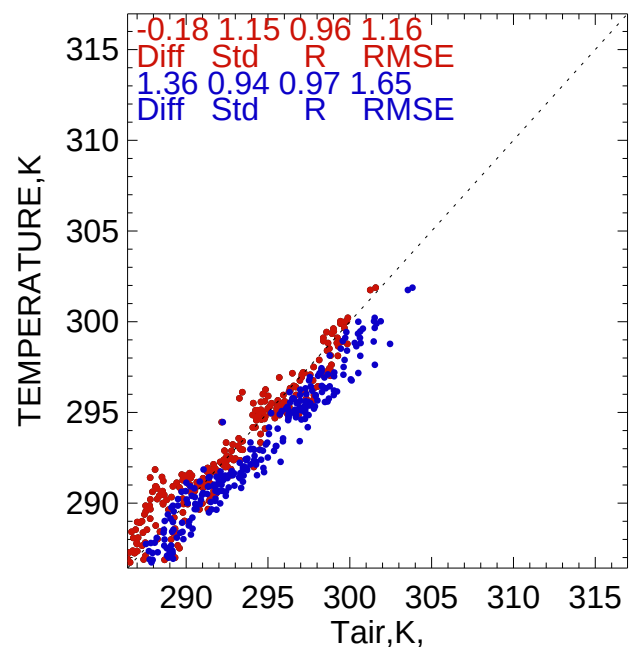
Model Tair,K, < 3 km



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



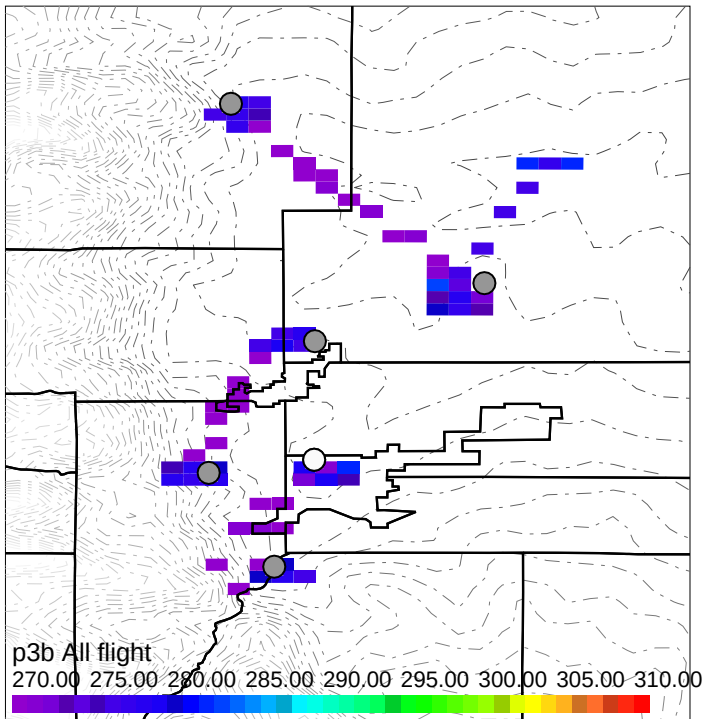
< 3 km



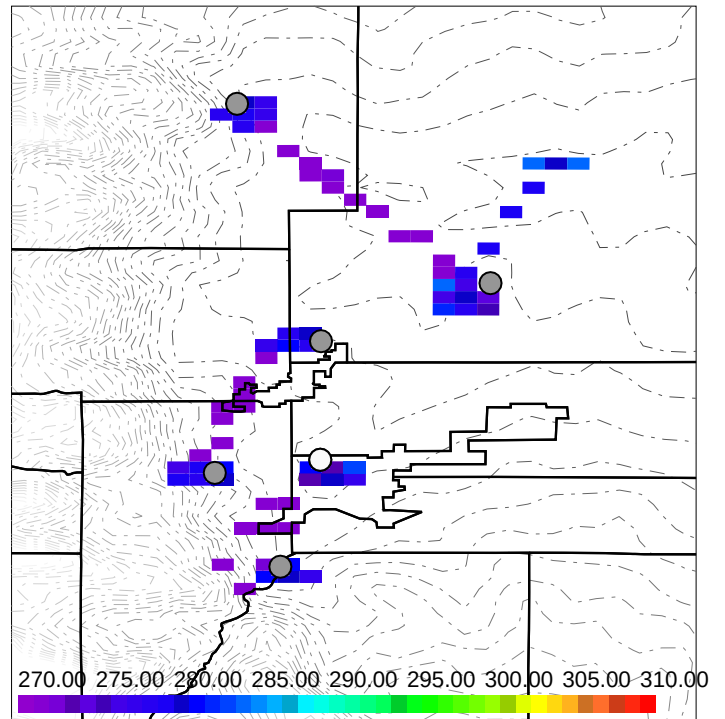
BTXv2ECMWFV4mozmozaic-

Ravan-

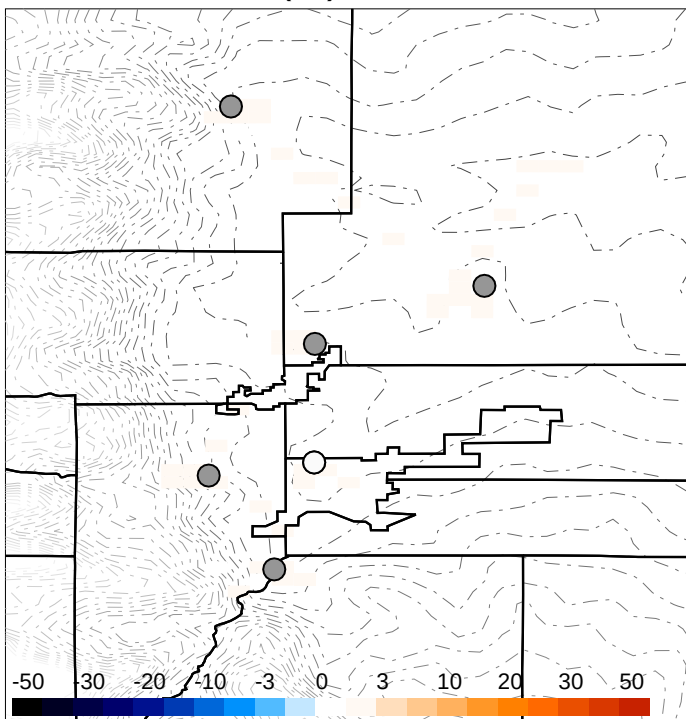
TEMPERATURE,K > 3 km



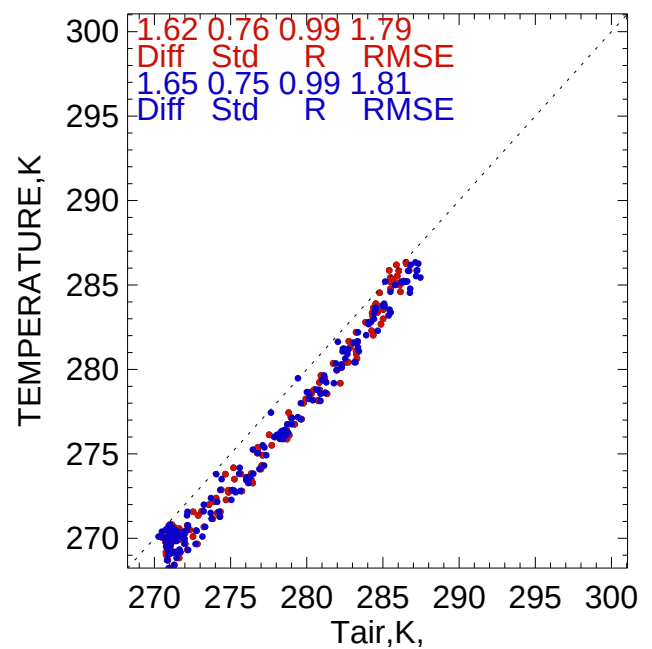
Model Tair,K, > 3 km



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



> 3 km

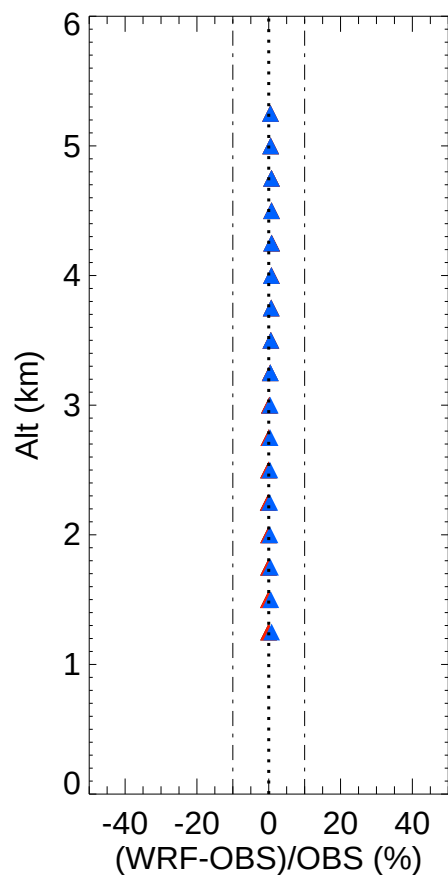
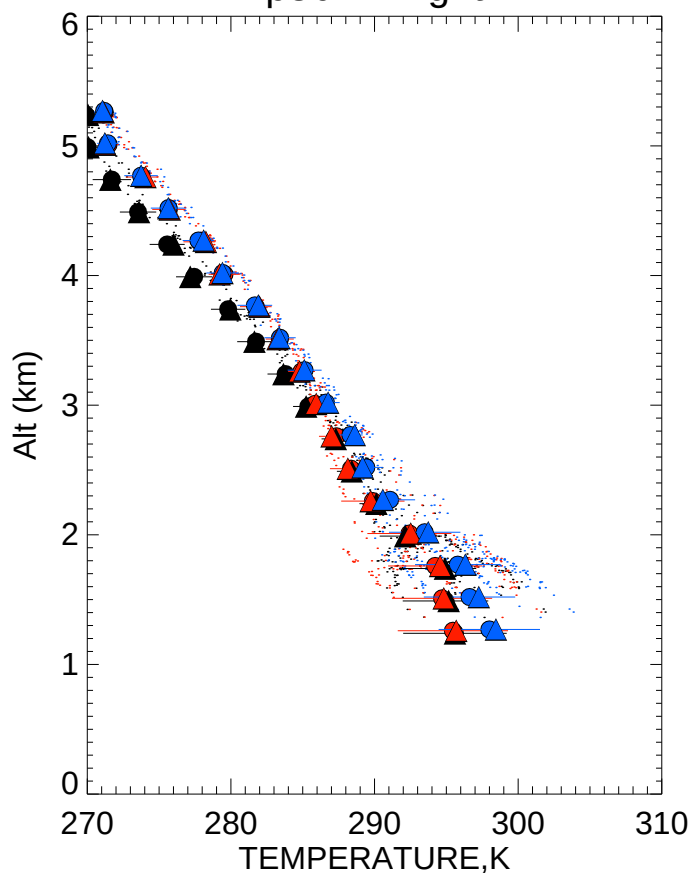
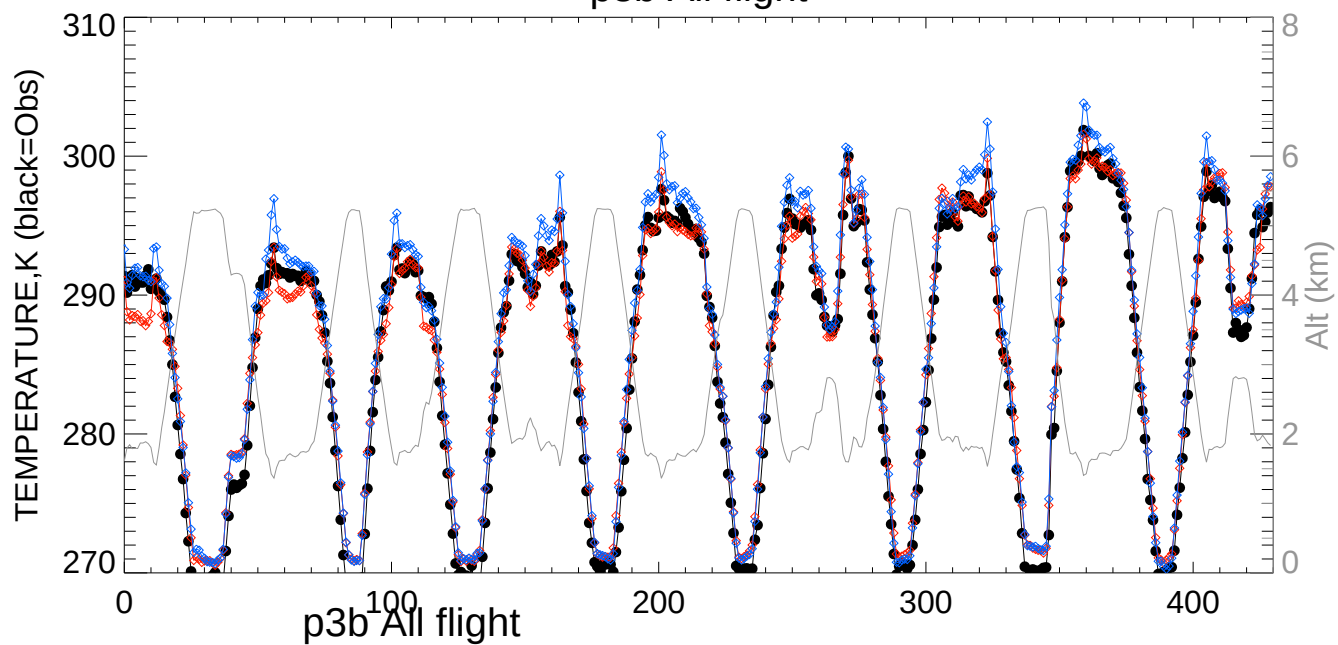


BTXv2ECMWFV4mozmozaic-

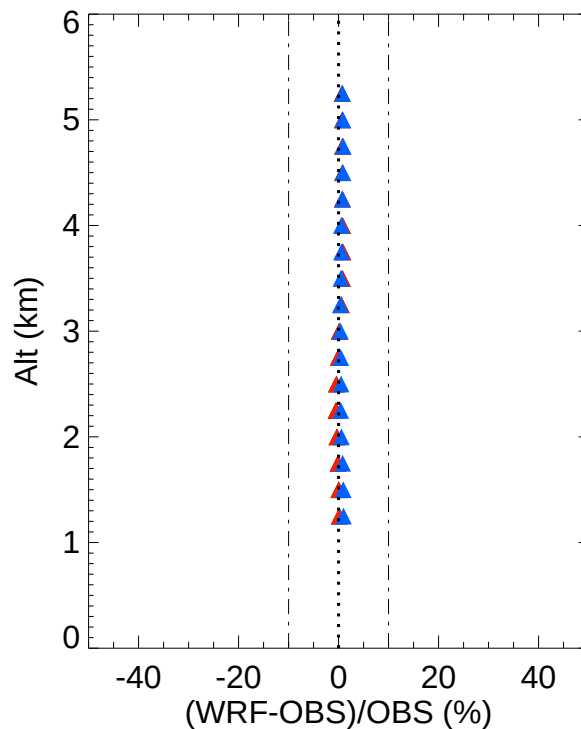
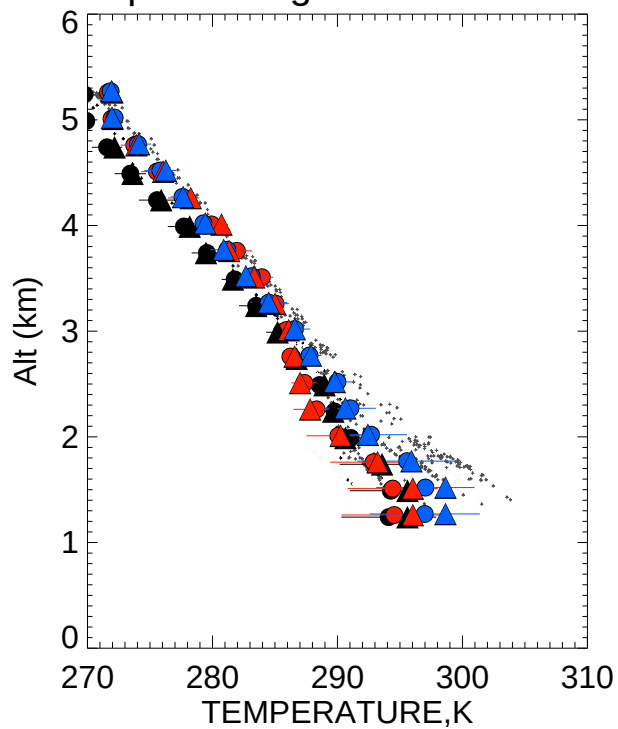
Ravan-

BTXv2ECMWFV4mozmozaRavan-

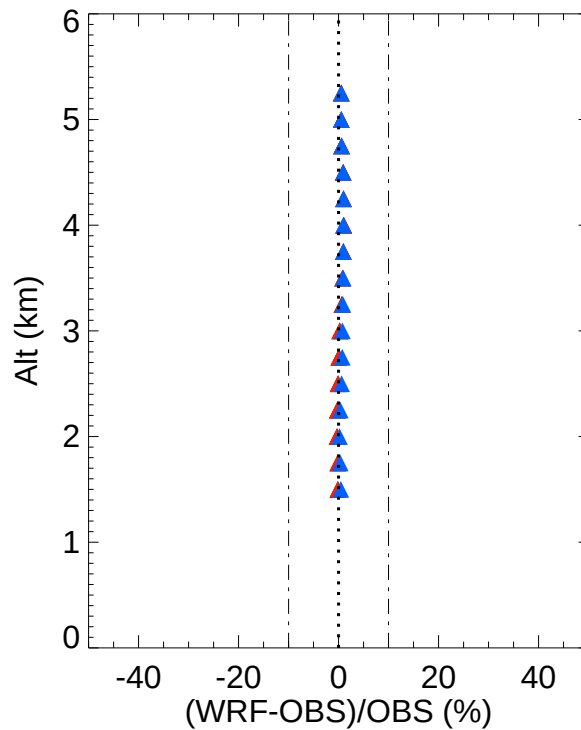
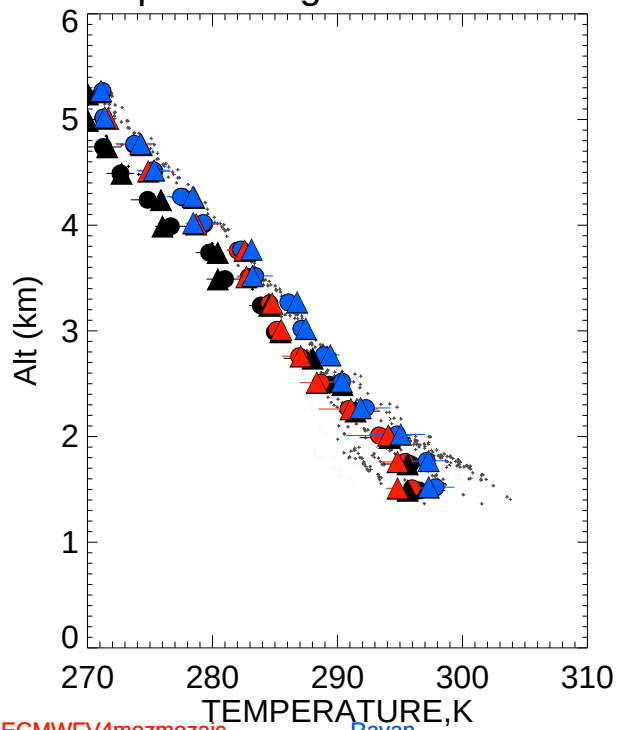
p3b All flight

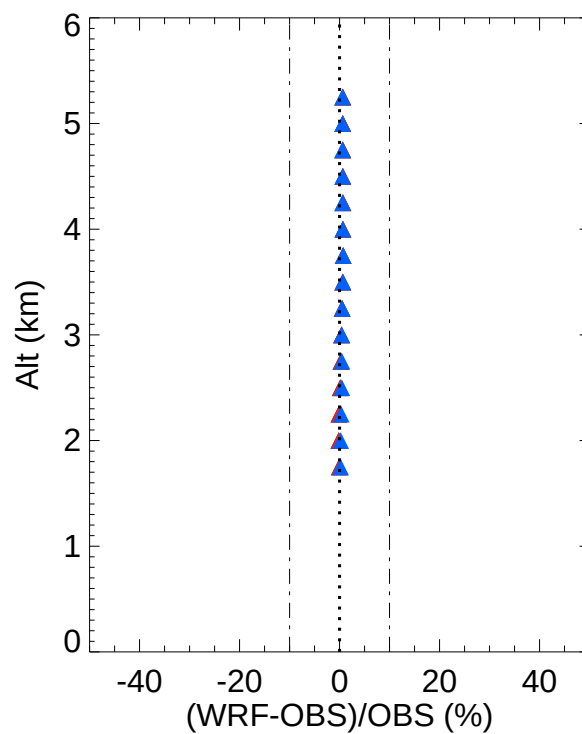
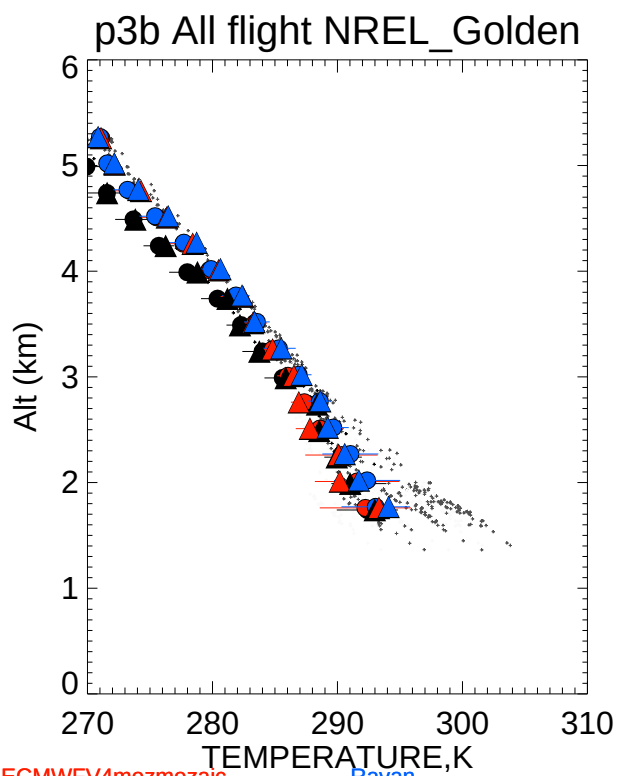
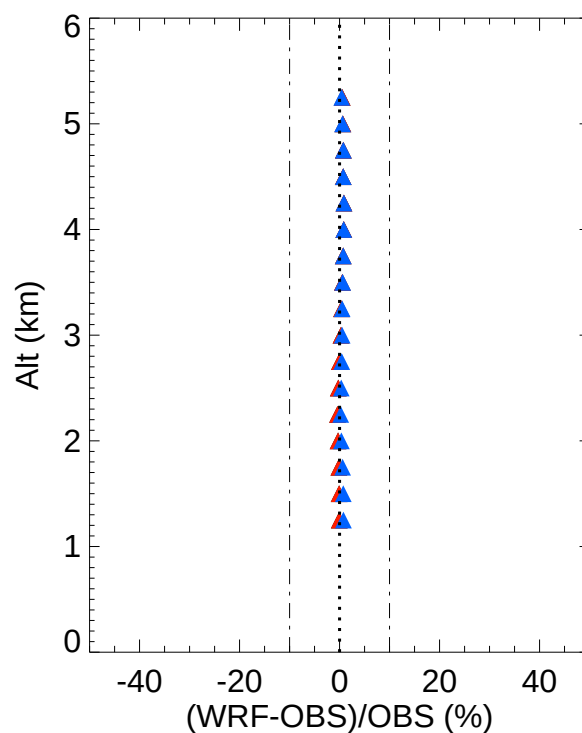
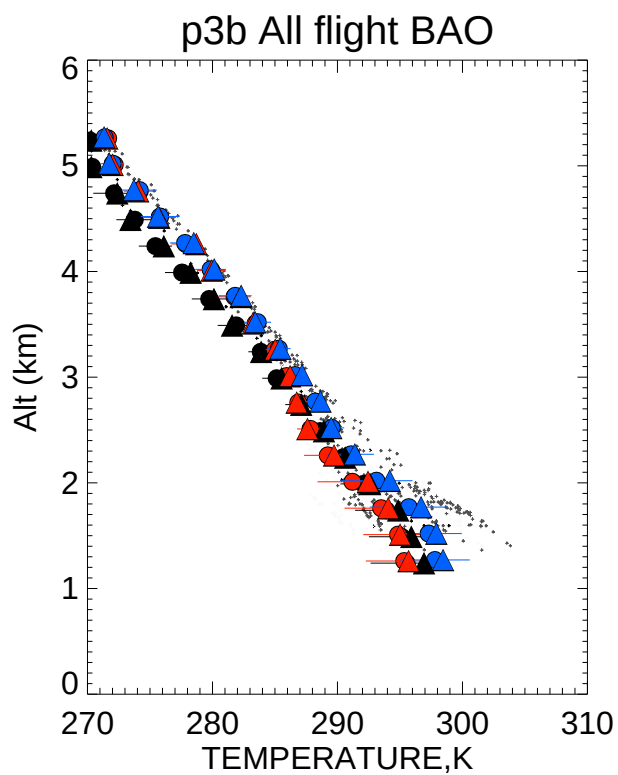


p3b All flight FortCollins

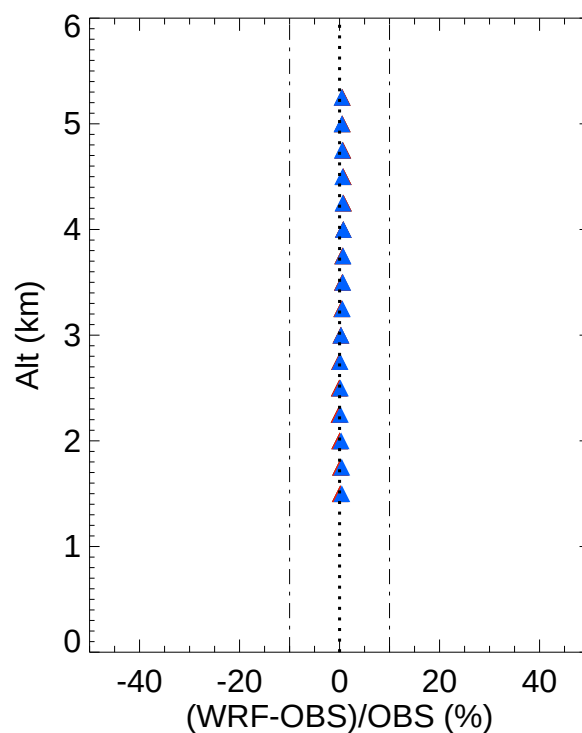
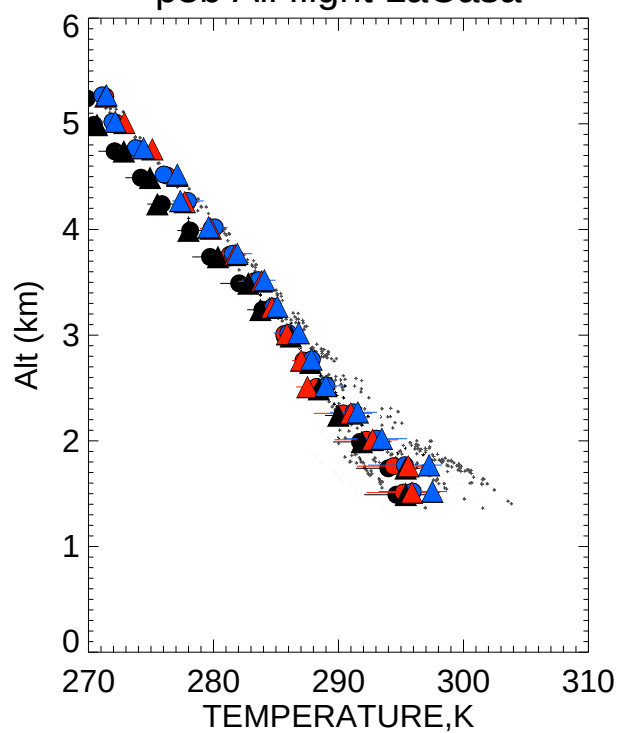


p3b All flight Platteville





p3b All flight LaCasa



p3b All flight Chatfield

