shp−30p−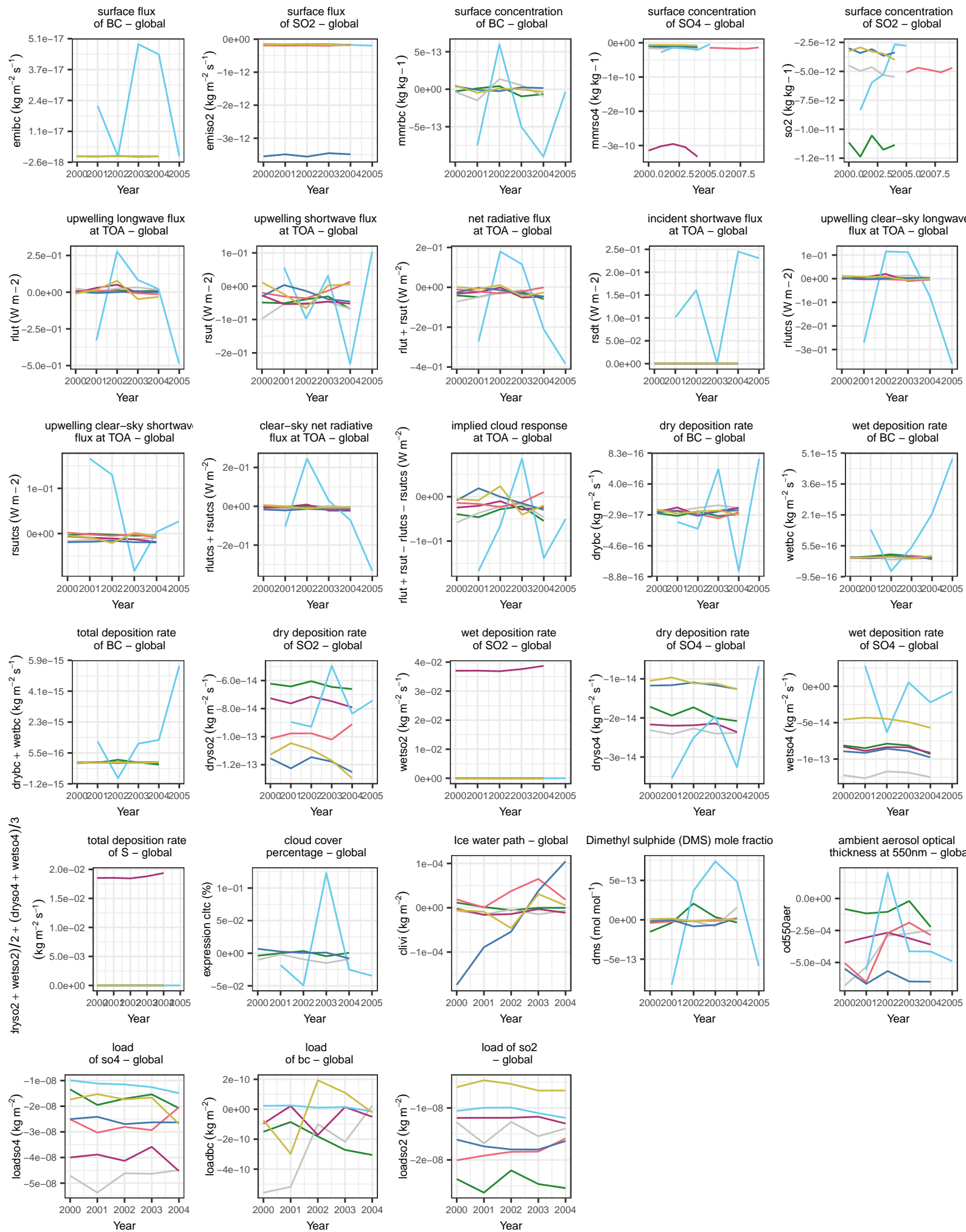red: absolute difference