

GC Transport Working Group (C. Orbe, A. Schuh)

- Transport WG meeting 9/2021 decided on the usefulness of GCHP simulations of SF6 for
 - Absolute evaluation of GCHP atmospheric transport (via comparison to obs)
 - Way to compare against GCC and GEOS simulations and help inform us of why GCC (and other CTMs) fail to produce some seasonal to longer, meridional gradients in the atmosphere
 - GCHP driving flux fields for advection and improved SF6 emissions (Hu et al 2021) not available yet, and likely for a while
- ***Propose running 2000-2018 c90 simulations of GCHP*** with EDGAR4.2 SF6 and interpolated wind advection as part of CCMI suite
 - Allows comparison against previously run GCC and GEOS SF6 simulations (gauge where it sits as “bridge” between GCC and GEOS)
 - Allows direct comparison against ATOM observations (overall accuracy)
 - Higher res/flux advection/better SF6 emissions can be revisited at later time when possible
- Need to organize small group to perform these sims, volunteers?