Hongyu Liu has over twenty-five years of experience in studying tropospheric ozone, cloud effects on composition, aerosol transport and wet scavenging using global atmospheric composition models (GEOS-Chem CTM, GEOSCCM) in conjunction with ground-based, aircraft and satellite observations. He participated in the NASA TRACE-P and EVS-2 NAAMES missions, and is a member of the EVS-3 ACTIVATE mission science team. He has served as PI for several projects funded by the NASA ACMAP, MAP, and ACCDAM programs to study ozone sources and transport in Asia, investigate cloud radiative effects on photochemistry, constrain model aerosol scavenging parameterizations with radionuclide tracer observations, and develop physics-based scavenging parameterizations in the NASA GEOS model. He has also been involved in the modeling studies of the Asian Tropopause Aerosol Layer (ATAL) and Hunga Tonga volcanic aerosol and water vapor over recent years.

Or see: https://www.nasa.gov/people/hongyu-liu/