

Dr. Kirill Semeniuk
Department of Earth and Space Science and Engineering
Petrie Science Building
York University
4700 Keele Street
Toronto, ON M3J 1P3
Canada
Tel: 416-736-2100 ext 77704
Email: kirill@nimbus.yorku.ca

Transport trends in the CMAM UT/LS in a transient global warming simulation.

We find that there is an intensification of the Brewer-Dobson circulation at low latitudes. The altitude of the tropopause increases as well such that the upwelling mass flux through the tropical tropopause does not increase. The model exhibits a weak upward trend in the temperature of the tropical cold point tropopause.