

# Older Documentation of older version of PORT

## Parallel Offline Radiative Transfer Analysis Tool for CAM

A tool for computing radiation on samples of the CAM atmospheric state.

### Typical Use of Port

- [Create Data](#)
- [Configure & Build & Run PORT](#)

### Comparing fluxes from two different atmospheric states

Some users may wish to replace some of the data produced in [Create Data](#) using any of the typical methods used to manipulate netcdf data. For example:

- `ncap -s"rad_Q=0.5*rad_Q" RAD_BASE.cam2.h1.0000-01-01-00000.nc One_Half_Specific_humidity.nc`

By running PORT twice (once on each file), the fluxes and heating rates from both atmospheric specifications are diagnosed. It is then possible to compare fluxes and heating rates from having half as much water vapor in the atmosphere.