

GeoMIP Report

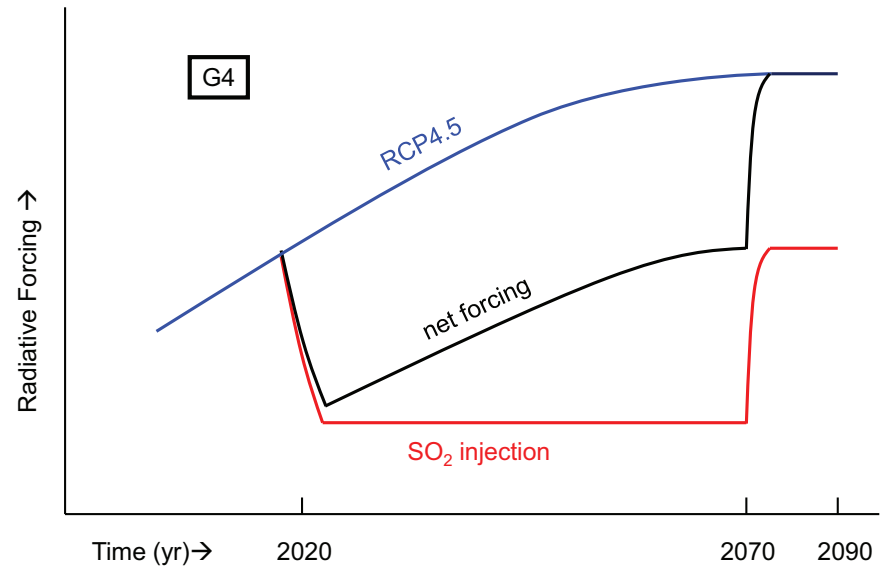
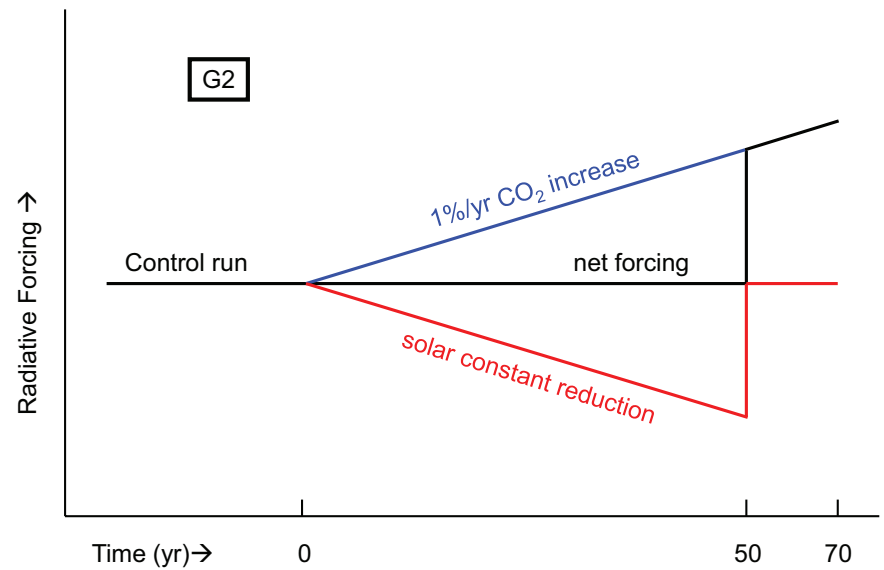
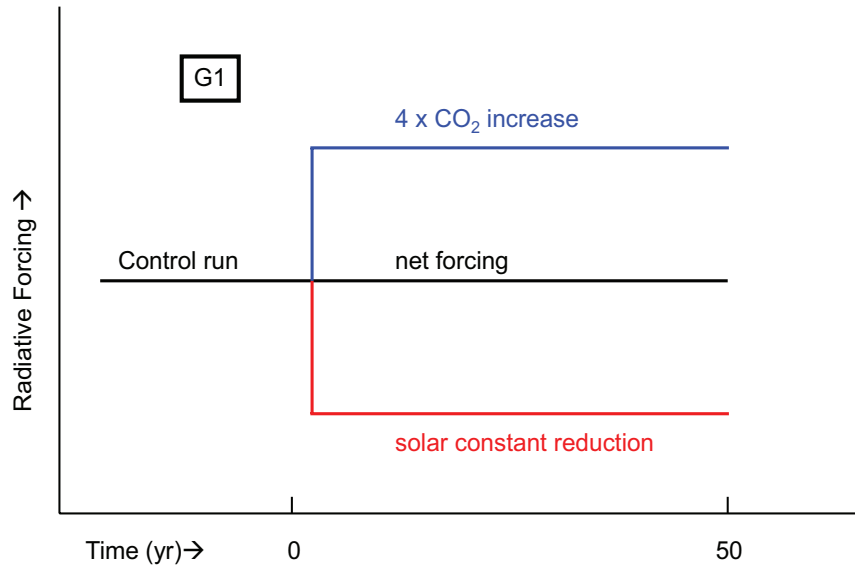
Karl Taylor reporting on behalf of Ben Kravitz

Presented to the WCRP Working Group on Coupled Modelling

Hamburg, Germany

24 September 2012

GeoMIP Experiments G1-G4 for SRM with Stratospheric Aerosols



GeoMIP participation thus far...

- 19 models participating from 12 countries
- Experiment G1: 12 models
- Experiment G2: 10 models
- Experiment G3: 3 models
- Experiment G4: 6 models

Preliminary Results

The following 3 slides cannot yet be publicly released. They provided maps for the G1 experiment of multi-model mean

- TOA radiation,
- surface temperature,
- and P-E anomalies for G1.

A 4th slide showed zonal-mean terrestrial NPP.

Please contact Ben Kravitz for information.

GeoMIP Successes

- 19 participating modeling groups (and we expect more)
- Gaining confidence in model response to geoengineering

GeoMIP Problems/Issues

- Limited resources (all time spent on GeoMIP is currently voluntary)
- Some of the experiments (particularly G3) are difficult to carry out and analyze

Future of GeoMIP

- Special issue of JGR-Atmospheres (deadline April 1)
- Planned stratocumulus brightening experiments