MSc. thesis project @ KNMI

The impact of solar eclipses on gases in the Earth's atmosphere

Blocking sunlight with sunshades in space is one of the solar geo-engineering concepts to reduce the future temperature on Earth.

The benefits and dangers of this concept are still to be investigated.

Measurements during a solar eclipse can help to understand the sensitivity of the Earth's atmosphere to shadows.

Using the TROPOMI satellite instrument and atmosphere models, you will look for observational evidence of atmospheric composition changes in the shadow of the Moon.

Location:
- R&D Satellite Observations, KNMI, de Bilt, the Netherlands

Requirements:
- Strong coding skills (Python)
- Motivation for doing science
- Followed courses in Atmospheric Science, Satellite Remote Sensing and/or Planetary Sciences

Supervisors:
- Victor Trees (KNMI / TU Delft)
- Pepijn Veefkind (KNMI / TU Delft)
- Additional TU Delft supervisor is possible

For more info please contact asap:

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