

Rayleigh Scattering Approach and Results from DIMITRI-Toolbox

https://www.mdpi.com/journal/remotesensing/special_issues/J3CYH3OQV0#editors

- Bahjet reviewed the principle of Rayleigh scattering for vicarious calibration of visible channels of satellite instruments, described a tool based on that approach, and presented the results using the tool. There is still substantial bias, especially for shorter wavelength channels. Also puzzling is the seasonality.
- Larry: What is the limit of viewing angle in your model? That is important because one needs to consider reflection of atmospheric scattering at a higher viewing angle ($> \sim 55$ degree). Increased reflection with viewing angle away from the Sun should have been documented.
- Okuyama: What is your source for the chlorophyll data?
- Fred: Which input(s) of your model can create seasonal variation with magnitude and phase that match the observed seasonality? For example, atmospheric pressure does not change that much.

ARRI – Absolute Radiometric Reference Instrument

https://www.star.nesdis.noaa.gov/smcd/GCC/documents/newsletter/v16_no1_2022.pdf

- Gerard introduced a patent-pending novel instrument that can establish an absolute radiometric reference.