

Overview of Logistics for the CLARREO Solar Working Group discussions

Organizing the discussion for the working group is not straight forward since many of the issues and components are highly dependent on the others. These discussions are also intended to be free and open, giving all attendees a real chance to provide constructive input. The discussion will also rely heavily on the talks the first day, laying out the philosophy behind CLARREO, the science drivers, the requirements, the ongoing conceptual studies, and the experience learned from currently operating and related space missions.

The discussion will be separated into three general areas. The first will be the overlapping questions of the required/desired needs for spectral range/resolution, space/time range/resolution, viewing angle range/resolution, and solar zenith angle range/resolution. This should feed directly off the first day talks. This discussion will be led by Norman Loeb. This should naturally lead to a discussion of the solar spectral instruments that view the sun, moon, and earth. Key topics will include spectrometer design, optics, and detectors. These are combined because they are highly interdependent. This discussion will be led by Peter Pilewskie. The third discussion will focus on calibration and validation issues. Joe Rice will lead this discussion. There may be other areas that get included, such as desired spacecraft orbit(s), number of required deployments, expected length of mission, spacecraft or instrument pointing, etc. As we get closer to the workshop (or during the workshop) discussion leaders may be identified for these types of questions.

Because all these issues are so closely aligned, and the requirements of CLARREO are so high, we encourage people to keep in mind, and discuss how any one issue or component affects other issues and components. Of course, ALL of this discussion must directly be related to the science questions that the CLARREO has been posited to address. A draft construction of the relationships between the different components/areas can be found on the attached file.

To facilitate the discussions, we encourage all to communicate directly with the discussion leaders to give them as few of slides as reasonably possible as part of an overview of ideas to be presented by each leader. Once this presentation has completed, the floor will be open for questions, comments, mini-presentations (up to a few graphs). You can contact the discussion leaders at:

Norman Loeb	norman.g.loeb@nasa.gov
Peter Pilewskie	peter.pilewskie@lasp.colorado.edu
Joe Rice	joe.rice@nist.gov

Overall, the facilitating of the solar working group is being led by Don Anderson. You can contact Don at donald.anderson-1@nasa.gov if you have any questions or suggestions.