

Overview of Logistics for the CLARREO IR 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, spectral resolution, and spatial/temporal resolution. This should feed directly off the first day talks. This discussion will be led by Daniel Kirk-Davidoff. This should naturally lead to a discussion of spectrometer design and detectors. These are combined because they are highly interdependent. This discussion will be led by Dave Johnson. The third discussion will focus on calibration and validation issues. This may be the most interesting and contentious area. Larrabee Strow 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, 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 concept has been posited to address. A draft construction of the relationships between the different components/areas can be found on the attached file, and will be posted on the CLARREO web site. This draft chart is meant to be a guide, and is open for discussion and alteration as we receive input from the workshop community.

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:

Daniel Kirk-Davidoff dankd@atmos.umd.edu ;
Dave Johnson David.G.Johnson@nasa.gov ;
Larrabee Strow strow@umbc.edu .

Posters expanding on thoughts/concepts/past experiences related to CLARREO are also highly encouraged.

Overall, the facilitating of the IR working group is being led by Ken Jucks at NASA HQ, in support of Don Anderson. You can contact Ken at Kenneth.W.Jucks@nasa.gov if you have any questions or suggestions.