

We will need assistance with the following

From JPL on the bonding process they developed for their thin film ESR reflectors, and any help they can offer with their experience wrt differential expansion of the film and support, or delamination/edge sealing issues on the reflector film. If there is any remaining of the original 3M full spectrum thin film ESR reflector material, it would be great if we could evaluate our design with that.

From Oak Ridge National Laboratory, we could use help integrating the GaSB chips that they used from JX Crystals. And advice they might have in evaluating our concentrator design, mirroreometry, and light pipe. Also, if possible any advice/experience with the practical reality and merits of cold mirrors and separate IR processing in a setup such as this, could save us the effort of going down a blind alley.

We could use assistance with modeling the wind loads on the panels at various deployment angles.

We could use assistance with a more comprehensive analysis of the primary and secondary reflectors to critique our design.