

Charter for the Joint Solar-C Science Assessment Committee

The Joint Solar-C Science Assessment Committee (JSSAC) is a science assessment group for NASA collaboration with this new Japan Aerospace Exploration Agency (JAXA) project. SOLAR-C is a next generation of Japanese solar physics satellite. The membership of this team is selected jointly by the chair of the ISAS/JAXA SOLAR-C Working Group and the Director of the Heliophysics Division, NASA Science Mission Directorate. The team reports their results to responsible personnel of both agencies.

The JSSAC is composed of scientific specialists who have been selected to represent the broad interests of the research community. The primary role of the JSSAC is to generate and to document scientific goals and priorities for each plan (plan A and plan B) with potential to prioritize the plan A and plan B within the resources to be specified by the Agencies.

The scientific goals, mission plans, and straw payload for the JAXA Solar-C mission were previously defined in a number of ISAS/JAXA Working Group Studies. These sub working groups under the ISAS/JAXA Working Group included a number of individual US scientists. The JSSAC will use this opportunity to identify and assess new science opportunities with respect to a joint JAXA/NASA project, and identify a priority for each science goal of plan A and plan B.

Specifically, the JSSAC will work closely with JAXA, NAOJ, and NASA HQ to:

- Assess the scientific goals for each of the Solar-C options, recognizing general limits on resources likely to be available for this activity.
- Assess how these scientific goals are aligned with JAXA and NASA agency priorities, specifically how these goals are aligned with the NASA science strategy (<http://science.nasa.gov/about-us/science-strategy/>) as given in the NASA 2010 Science Plan and 2009 Heliophysics Roadmap.
- Assess the required measurements necessary to meet the science goals.
- Assess the top level observational (mission design) strategy for the Solar-C mission to accomplish the scientific goals.
- Assess the suitability of the strawman instruments to meet the measurement requirements.
- Deliver a science report that supports the generation of documents suitable for input into the Heliophysics Decadal Survey and any future Joint Announcement of Opportunity. The draft of this report is expected in December of 2010 while the final report shall be due by February, 2011.

It is currently expected this is a limited time activity and following the delivery of the findings it is expected that the team will disband.

Appreciating that certain key scientific disciplines are not represented within the core team, it is envisaged to invite relevant experts to advise the JSSAC and to make extensive use of the previous work of the Solar-C Working Groups.