
**[IS-03] Recent Developments of Space Astronomy and Planetary Missions
in Japan**

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I will present a current status of ISAS/JAXA missions on space astronomy and planetary science, covering the live missions as well as ongoing projects. ISAS scientific mission has now three categories as L, M, S classes. The former regular missions like AKARI, HINODE, SUZAKU are attributed to the M (middle) size class in the current system. The S (small) class mission is rather new category in Japan. The size of the mission is previous standard one as GINGA, YOHKOH, AKEBONO, all launched by M3-SII rocket. This Japanese SMEX mission uses a "universal standard satellite bus" to reduce the individual mission cost, and which enables a higher frequency of the mission opportunity. A new solid fuel rocket is developed in JAXA to launch the S class mission. My talk will focus on the following topics; a brief summary of AKARI observations, and a current status of mission development and scientific goal of PLANET-C/Venus Climate Orbiter scheduled to be launched in 2010, and PRINT-A/EXCEED (the first mission of S-class category) in 2012.