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## **Venus orbit re-insertion (VOI-R) of AKATSUKI in December, 2015**

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Japan has launched its Venus Climate Orbiter named Akatsuki on May 10, 2010. Akatsuki was designed to observe the atmospheric motion of Venus, which is totally different from the one on the earth. Aiming at revealing the reason why the Venusian atmosphere is so different from that on the earth, e.g., it is rotating so fast compared to the earth's atmosphere, we have selected 5 cameras to be on board the spacecraft in IR and UV range for imaging the Venusian atmosphere at different altitudes. Akatsuki arrived at Venus on December 7, 2010, however we failed to put the spacecraft into the Venus orbit. It returned to the interplanetary space orbiting the sun. The spacecraft itself is in good shape except the orbital maneuver engine, and Japanese scientists and engineers are doing their best to let this damaged spacecraft into the orbit around Venus on December 7, 2015. We will talk about the orbit insertion plan, new orbit, and the observation plan.