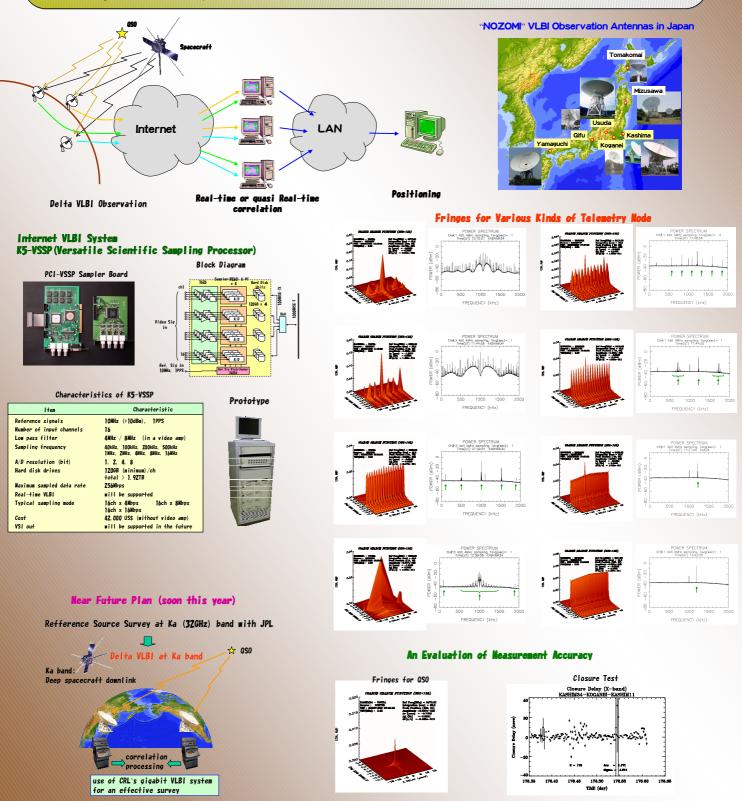
## QUASI REAL-TIME POSITIONING OF SPACECRAFTS USING THE INTERNET VLBI SYSTEM

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We started the development of technique to determine spacecraft's position in quasi real-time using the Internet-VLBI system in collaboration with the Institute of Space and Astronautical Science (ISAS). A series of VLBI observations receiving Japanese spacecraft GEOTAIL and NOZOWI have been carried out since June 2002 to establish an observation method and to evaluate the measurement accuracy. At present it is possible to obtain the delay time which is a VLBI observable to use for satellite positioning within several hours after observations. Orbital determination software is under development in parallel to the improvement of observation data processing software. Phase delay measurements are also tried to increase the accuracy of measurement.



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