

The experiment with Tsukuba VLBI station (32m)

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<http://vlb.db.gsi-mc.go.jp/sokuchi/vlbi/>

GSI established Tsukuba VLBI station (32m) at Tsukuba, Ibaraki for geodetic VLBI measurements. GSI carried out six international experiments and four domestic ones in 1998. We are analyzing the each data.

We had the results of that error of baseline length is 1.6mm (1 sigma) for Tsukuba - Kashima baseline. However the stability of phase calibration system is not so good at Tsukuba station. Tsukuba VLBI station is one of the most important stations in the world. Therefore we have to try to improve the stability of phase calibration system and also find out another error factor such as the deformation of the antenna.