

Development of KVN information system

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The different operating methods and characteristics of the VLBI system in each country and the various feedback data issued during the observation process are very important information in the processing of observation data. However, the operation efficiency is reduced when standardized procedures and methods for sharing information in real-time are absent. In the case of KVN, the overall operation was analyzed step by step to improve productivity of VLBI observation data reduction, and web based application has been developed and applied. The data generated at each operation stage is stored in database and provided to PI, researcher, and operator in real time. In particular, the information in this system has been utilized in KVN and KaVA data correlation processing, saving time and money. In the future, this system will be expanded in conjunction with KVN data archiving.