## Internet VLBI system developed at CRL

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The Internet VLBI system developed at CRL is dedicated to taking over current geodetic VLBI system. A geodetic VLBI system usually receives 14 to 16 frequency channels at S and X bands. Each channel data are transmitted independently by using the IP (Internet protocol) technology. Thus, only establishing the system for one channel, we can easily expand it to the multi-channel system, i.e., geodetic VLBI system. We have been developing the system as a PC-based system consisting of a PCI-bus sampler board and PC softwares to make real-time data transmission, reception and correlation. In parallel with the development of the real-time system, we are developing K5 data acquisition system consisting of PCs equipped with a PCI-bus sampler board and hard disk drives. K5 enables us to carry out not only real-time operation but also off-line operation.

