

## **Current status and future developments of receivers at NAOJ's VLBI facilities**

*Wednesday 29 October 2025 09:00 (25 minutes)*

In this presentation I will review current status of receivers at VLBI stations in Japan, including the frequency bands, bandwidths, and potential for multi-frequency receiving capability. I will focus primarily on VLBI facilities operated by the National Astronomical Observatory of Japan (NAOJ), such as the VERA network and the Nobeyama 45m radio telescope, while also briefly introducing the status of radio telescopes at universities and other institutions. In addition, I will introduce ongoing developments of new receivers, including new 86 GHz receivers for VERA and their potential capability for future multi-frequency observations, and a wideband C-band receiver for VERA, as well as planned 1-mm receiver for the Nobeyama 45m telescope.

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