

Simultaneous Monitoring Observations of Evolved Stars Using KVN 4 Bands II.

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We have performed simultaneous time monitoring observations of 22.2 GHz H2O and 43.1/42.8/86.2/129.3 GHz SiO masers toward 16 KVN Key Science Project(KSP) sources of evolved stars at the first stage of the KSP. We aim at investigating spatial structure and dynamical effect from SiO to 22.2 GHz H2O maser regions associated with a mass-loss process and development of asymmetry in circumstellar envelopes. Since 2015A observing season, astrometrically registered maps of SiO and H2O masers were obtained toward nine KSP sources using the source frequency phase referencing method. Here we report the KSP results of evolved stars focused on these successful SFPR sources.