

## Resolving discrepancy in the pPN OH231

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OH231.8 is an archetypal pre-planetary nebulae (pPN). It's a binary system surrounding by bipolar outflows. In the past decades, it has been extensively studied, in particular, we performed several VLBI observations to obtained mas-resolution maps of the SiO (7mm) and H2O (1.3cm) maser emissions. H2O masers are found to be distributed in two areas along the symmetry axis of the nebulae oriented nearly north-south delineating a bipolar outflow, and their astrometric positions have been accurately measured. SiO masers, indicating the position of the Mira component of the binary system, form a structure perpendicular to the axis of the nebulae. The general picture of the source looks satisfactory, except for the relative position of the two masers. Surprisingly, SiO masers, have been tentatively placed 250 mas away (370 AU) from the apparent center of the outflow. Using the ALMA interferometer, we observed at mm wavelengths the SiO maser emission and accurately derived the position of the Mira component. Combining existing VLBA data and our new ALMA observations, we are now able to give a complete and detail description of the inner part of this amazing pPN.