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Following planetary microlensing with Subaru-AO

To break the degeneracy of microlensing light curves modeling, and to extract the information of the host star and the exoplanet of a microlensing event, it is necessary to conduct high resolution imaging, preferably using ground-based AO or space telescopes. We will summarize recent high resolution imaging of planetary microlensing events with Subaru telescope its AO aided instruments. In addition, we will also give brief prospects of ULTIMATE-Subaru, the next generation wide-field, ground-layer AO instrument of Subaru observatory.