

Status of the Transneptunian Automated Occultation Survey (TAOS II)

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The Transneptunian Automated Occultation Survey (TAOS II) will aim to detect occultations of stars by small (~ 1 km diameter) objects in the Transneptunian region and beyond. Such events are very rare ($< 10^{-3}$ events per star per year) and short in duration (~ 200 ms), so many stars must be monitored at a high readout cadence. TAOS II will operate three 1.3 meter telescopes at the Observatorio Astronómico Nacional at San Pedro Mártir in Baja California, México. With a 2.3 square degree field of view and high-speed cameras comprising arrays of custom CMOS imagers, the survey will monitor 10,000 stars simultaneously with all three telescopes at a readout cadence of 20 Hz. The survey will begin operation in 2016. This poster presents an update on the status of the site preparation and the technical development.