

Ground-based observations of Herschel Space Telescope Kuiper Belt objects

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Abstract

Lightcurves, colours, and astrometry are presented for some targets of the Herschel Space Telescope Key Project "TNOs are cool". Within the accepted Key Project (see poster in same section) it is proposed to perform radiometric measurements of 140 objects, including 25 known multiple systems. Here we present ground-based observations using several telescopes. Astrometry observations were aimed at improving the orbits of the selected targets whose positions must be known to high accuracy for Herschel pointing requirements. On the other hand, the determination of the rotational period and lightcurve amplitude of some of the targets are presented. Such data will be valuable for the thermal modelling of the targets.