

Resource: Yarkovsky

Compilation of estimates of the Yarkovsky acceleration on asteroids.

For each Yarkovsky detection, the SSO identification, the radial acceleration ($A2 \pm dA2$, in 10^{-15} AU.d⁻²) and/or the semi-major axis drift ($dadt \pm sigma$, in 10^{-4} AU/My), quality factors (snr and S) are listed.

Description of columns

Column	Type	Description
num	int	Asteroid IAU Number if available
name	str	Asteroid name or designation
A2	float	Radial acceleration
dA2	float	Uncertainty on the radial acceleration
dadt	float	Semi-major axis drift
sigma	float	Uncertainty on the semi-major axis drift
snr	float	Signal-to-noise ratio of the detection
S	float	Quality factor, see Farnocchia+2013
selection	int	Flag for selection (black list, neutral, forced: -1/0/1)

Methods

The method is specified for an entire file in the [sources.ods](#). It indicates how Yarkovsky effect was measured:

- [Astrometry\(0\)](#) : from optical astrometry only
- [Astrometry\(0+R\)](#) : from optical astrometry and radar delays
- [Family_age](#) : from the age of a family