



# IACSAT-1

First space astronomical observatory of the Instituto de Astrofísica de Canarias



Artist's impression of the orbit of IACSAT-1. Credit: IACTEC/P.Chinchilla

## SPACECRAFT SPECIFICATIONS

Launch interface	ESPA ring
Pointing stability	< 8 arcsec rms (TBC)
Orbit	Dawn-dusk Sun-Synchronous (@600-800 km)

## INSTRUMENT SPECIFICATIONS

Observing bands/modes	400-1000 nm (VIS-NIR): precision photometry
Field of View	30 arcmin (TBC)
Telescope Aperture	22 cm
Size (telescope + instrument)	65 x 60 x 45 cm
Weight (payload)	< 30 kg

Scientific cases include:

- Confirmation of **Earth-like exoplanet** candidates.
- Characterization of **Jupiter sized exoplanets**.
- Study of **Near Earth primitive asteroids**.



Credit: IAC/G. Pérez



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<https://www.iac.es/en/projects/iactec-space>

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