

# Astronomical Research Journey.

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Ayush Nayak

# The (Super) Early Years.

## About Me

San Diego, California, United States

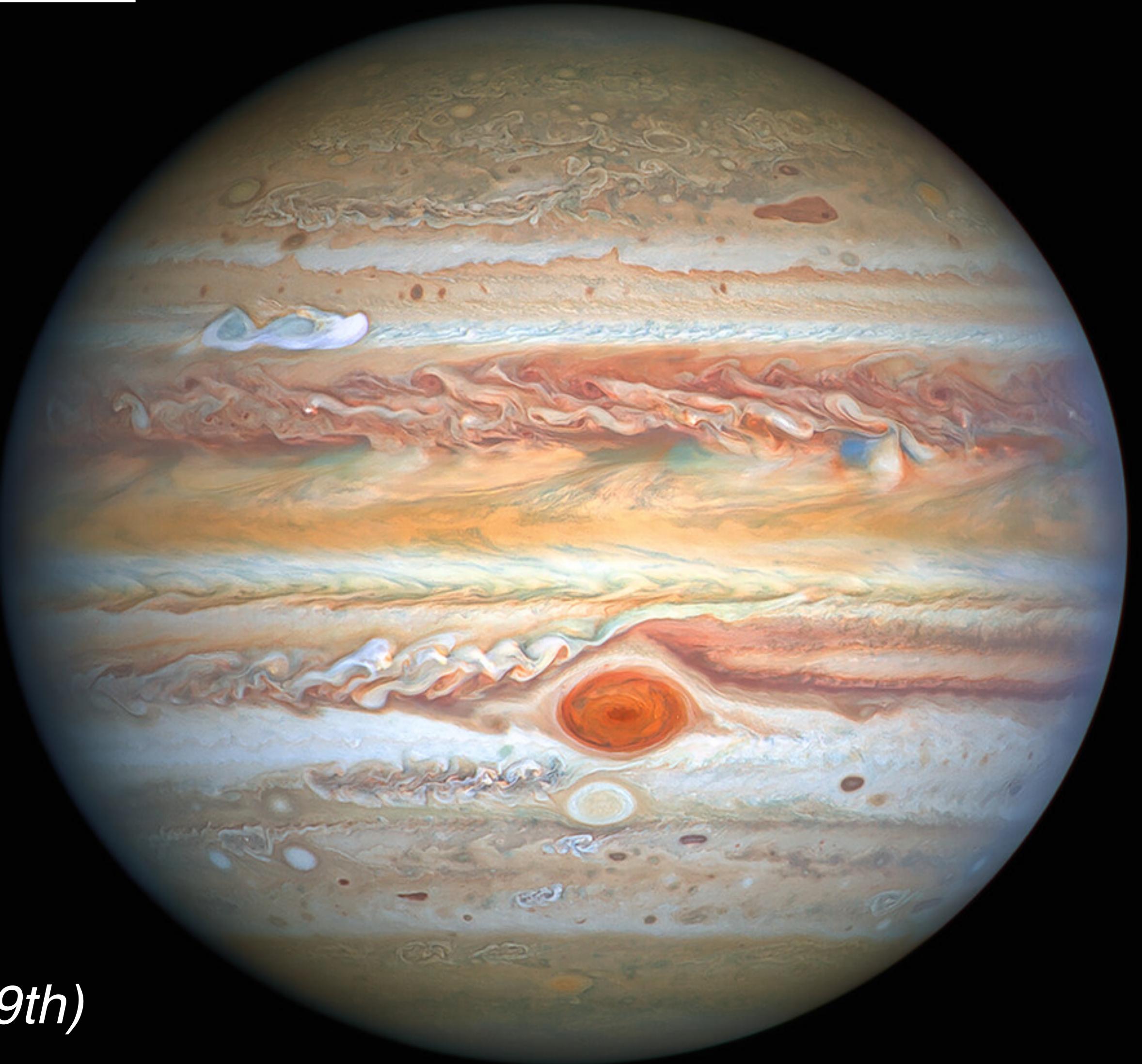
Westview High School - Grade 11

## Getting into Astronomy

Nova and Cosmos (*0th - Present*)

NSS/NASA Space Settlement Design Contest (*5th-9th*)

US Astronomy and Astrophysics Olympiad (*9th - Present*)



# BRIEF Programs DoubleStars.

**DoubleStars Experience**

*Telescope Operation*

*AIJ Analysis*

*Paper Writing Process*

**Now a Mentor**

Image Credits: LCO Observatory



# Exoplanet Observations.

Explorer Class

*Light Curve Generation and Analysis*

*Learned EXOTIC*

*Learned Photometry*

WASP-135

*Multiple Light Curves*

*Update Ephemeris*

*Maybe find TTV*

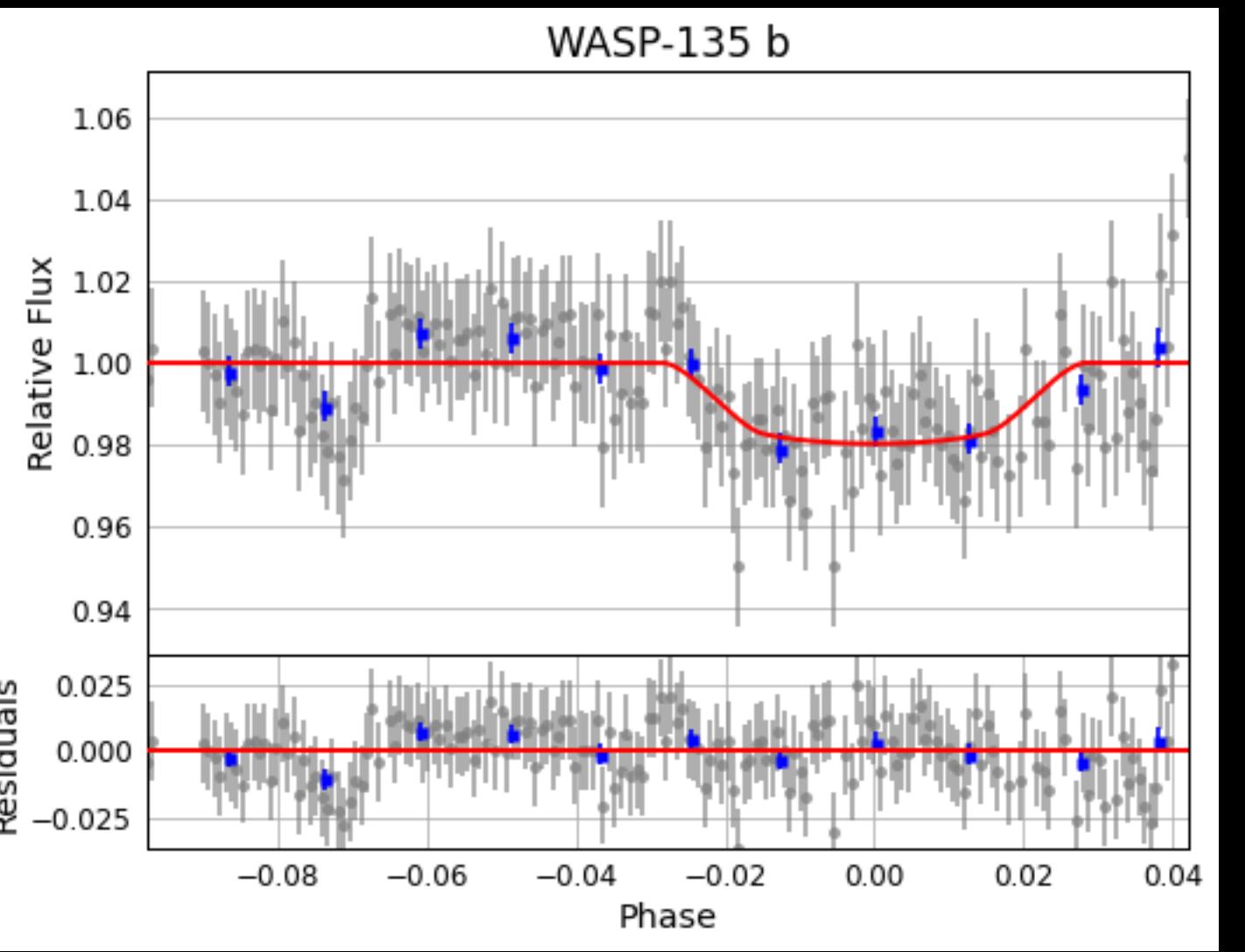


Image Credits: EXOTIC Exoplanet Framework

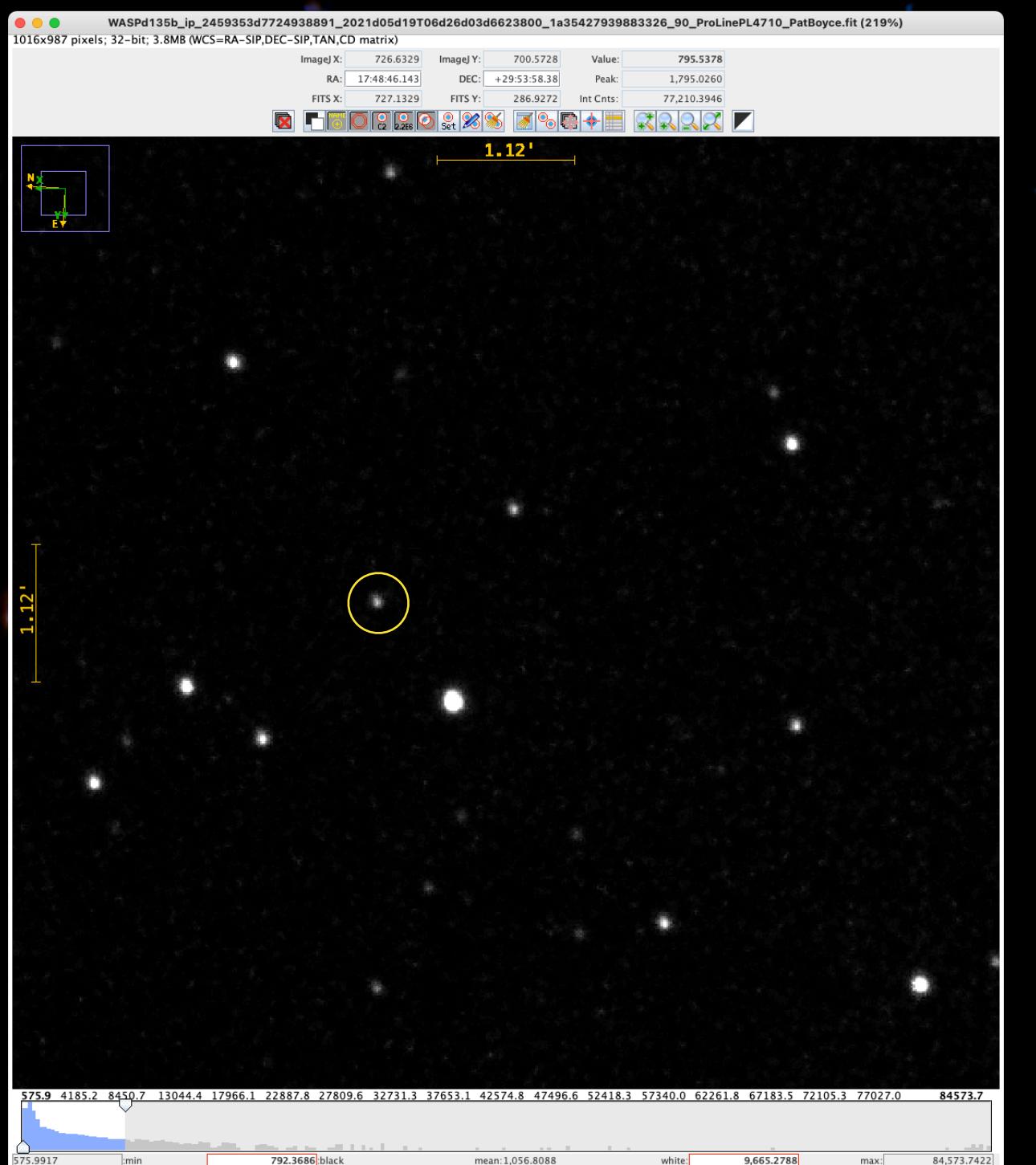


Image Credits: BARO Telescope

# Next Steps.

## Plans for Next Steps

*Finish TTV/EXOTIC Paper*

*Outreach at Middle/High Schools*

*DoubleStars Mentorship*

*Become a BARO Operator*

## Other Projects

*UCSD TritonCubed*

*Hopefully more Astronomical research in the future!*

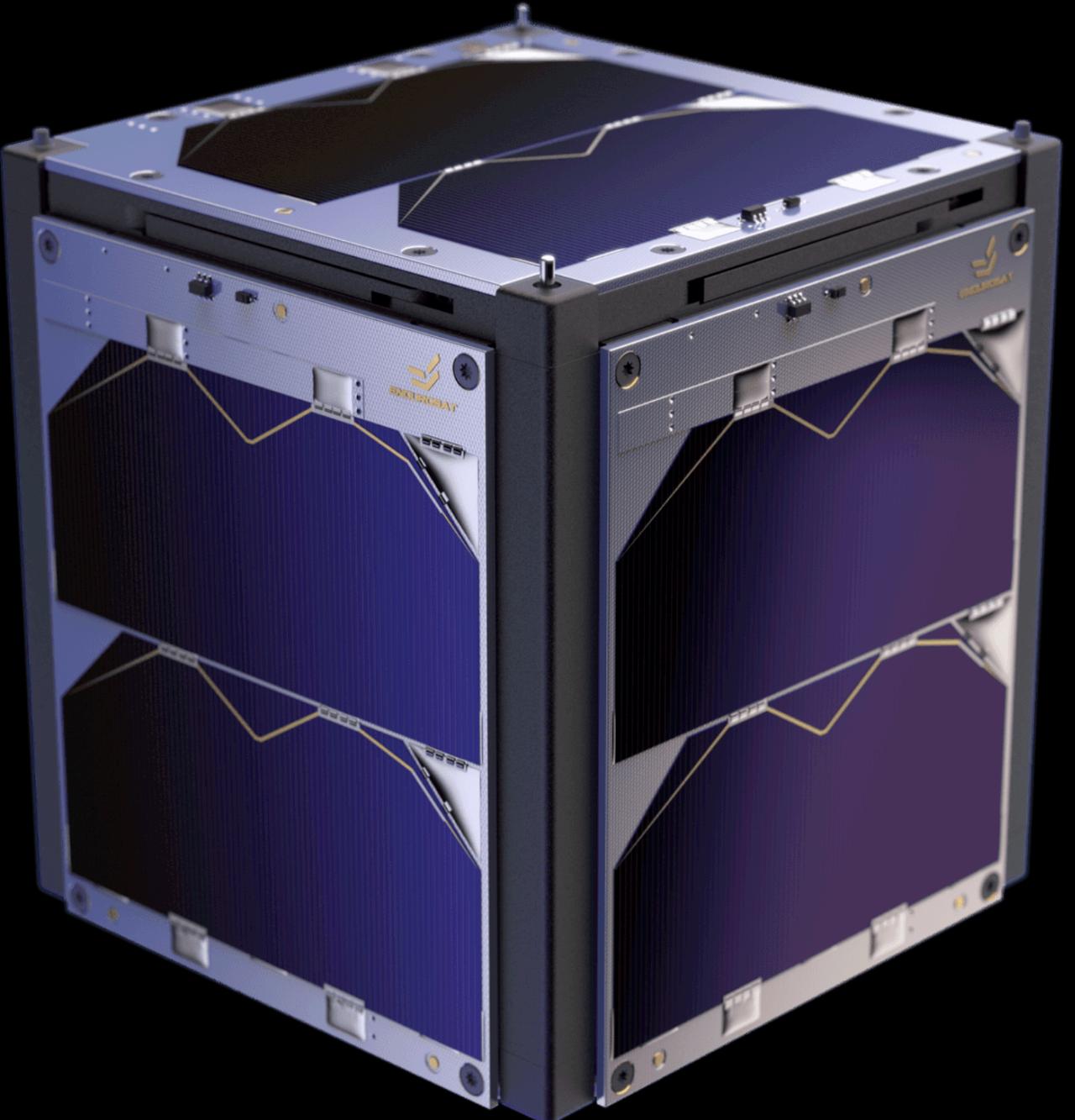


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