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Composition analysis of Uranus and Neptune using visible-light New Horizons data

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Abstract content
 (Max 300 words)
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NASA's New Horizons (NH) spacecraft was launched in 2006 for a July 2015 encounter with Pluto. Its path through the Solar System allows observation to be made of a variety of planets and asteroids during its nine-year cruise to Pluto, in particular Uranus and Neptune. The nature and composition of these gaseous planets will determine the angle at which light is reflected off them. NH's unique geometry allows us to study the reflected light from Uranus and Neptune at a range of phase angles (Sun-target-observer angle) which are not observable from Earth. We will report on NH's visible-light observations of Uranus and Neptune taken throughout cruise, and the implications this has for the composition and structure of cloud layers in these bodies' atmospheres.

Apply to be considered for a student award (Yes / No)?

Yes

Level for award (Hons, MSc, PhD)?

Hons

Main supervisor (name and email) and his / her institution

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Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

No

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