

## Capturing the turquoise fringe reflected on the ISS

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In this research, we try to capture turquoise fringe reflected on the ISS. Propounded by NASA in 2008, Turquoise fringe is a blue belt seen between the shaded and the sun-lit part on the surface of the moon at lunar eclipse when the image is intensified with blue color. It is thought that when sunlight passes through the ozone layer, red light is absorbed and this causes turquoise fringe. We assume that turquoise fringe should be reflected on artificial satellites if it should be on the moon.

We took pictures of ISS passing by the boundary between the shaded and the sun-lit part, and analyzed the RGB value of the satellite orbit. We detected high B value near the boundary. We reached the conclusion that this part is comparable to turquoise fringe.

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