

AO IMAGING & OCCULTATIONS TO STUDY ICE GIANTS: THE CASE OF THE 2021 NEPTUNE OCCULTATION CAMPAIGN (NOC21)

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The occultation of October 2021 by the Neptunian system was the first large campaign to probe Neptune's atmosphere and its surroundings since the period 1980-1990.

This campaign involved large IR facilities with fast cameras in N. and S. Americas, and in Hawaii. We observed this event with WIRCam/Ks at CFHT, and present here nearly final results from the probing of the atmosphere.

Moreover, on the night following the occultation, we obtained AO data with NIRC-2/Ks at Keck II. We will present here results on the astrometry of the ring and arcs of Neptune.

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"The authors wish to recognize and acknowledge the very significant cultural role and reverence that the summit of Maunakea has always had within the indigenous Hawaiian community. We are most fortunate to have the opportunity to conduct observations from this mountain."

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