Searching for planetary transits and rotation periods in the Orion Nebula Cluster
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Introduction
A major aim of a photometric monitoring campaign of the Orion Nebula Cluster (ONC) using the Hubble Space Telescope (HST) is to determine the mass function of the cluster's brown dwarf population. Photometric monitoring of close binaries and low-mass stars, and rotation periods, is important for understanding the formation and evolution of brown dwarfs.

We have performed photometry on the Kepler mission, and the Kepler mission's ability to detect transits of brown dwarfs in the ONC has been thoroughly studied. The Kepler mission's ability to detect transits of brown dwarfs in the ONC has been thoroughly studied. The Kepler mission's ability to detect transits of brown dwarfs in the ONC has been thoroughly studied.

Observations and preliminary results
The Kepler mission provides a unique opportunity to study the mass function of the ONC. The Kepler mission's ability to detect transits of brown dwarfs in the ONC has been thoroughly studied. The Kepler mission's ability to detect transits of brown dwarfs in the ONC has been thoroughly studied. The Kepler mission's ability to detect transits of brown dwarfs in the ONC has been thoroughly studied.

Aperture photometry
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Conclusions and future work
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References
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