

NASA Exoplanet Science Institute  
California Institute of Technology  
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<http://nexsci.caltech.edu>



July 1, 2021

Dear Colleague,

We hope this note finds you and your families safe and well. We are asking for a few minutes of your time to fill out a short survey (<https://forms.gle/MvrpgAHqzPBaqdcBA>) by August 1.

As you probably know, NASA is a 1/6<sup>th</sup> partner in the two 10 m Keck telescopes atop Maunakea. NASA intends Keck observations to be used strategically to support its scientific goals and to enhance the scientific return from its missions. NASA Keck time is available to astronomers based at any US institution and can be used for all disciplines within NASA Astrophysics as well as for NASA Planetary Science objectives.

The NASA Exoplanet Science Institute (NExSci), which is responsible for all aspects of the allocation of NASA Keck time, is soliciting input about how observations with the Keck telescopes enable or enhance the scientific return of NASA missions and NASA's long term science goals. This information will be helpful to the WM Keck Observatory, which is preparing its new Strategic Plan, and to NASA, which is considering the renewal of the five year Cooperative Agreement which will continue NASA's access to the Keck telescopes for the period 2023-2028.

To assist with these planning activities, we request that you, as a proposer or user of NASA Keck time or as a user of archival Keck data, fill out a short survey (<https://forms.gle/MvrpgAHqzPBaqdcBA>) describing how you have used (or plan to use) Keck data in support of your research. Thank you in advance for your participation in this survey which we hope will strengthen the ties between NASA and the Keck Observatory in the coming years. *If you filled out a recent NExSci survey related to JWST, please do fill out this new survey which has questions created for a different purpose.*

**PLEASE RESPOND BY August 1, 2021, to aid us in providing this information to the Observatory and NASA.**

Information on NASA Keck time is available at <https://nexsci.caltech.edu/missions/KeckSolicitation/>.

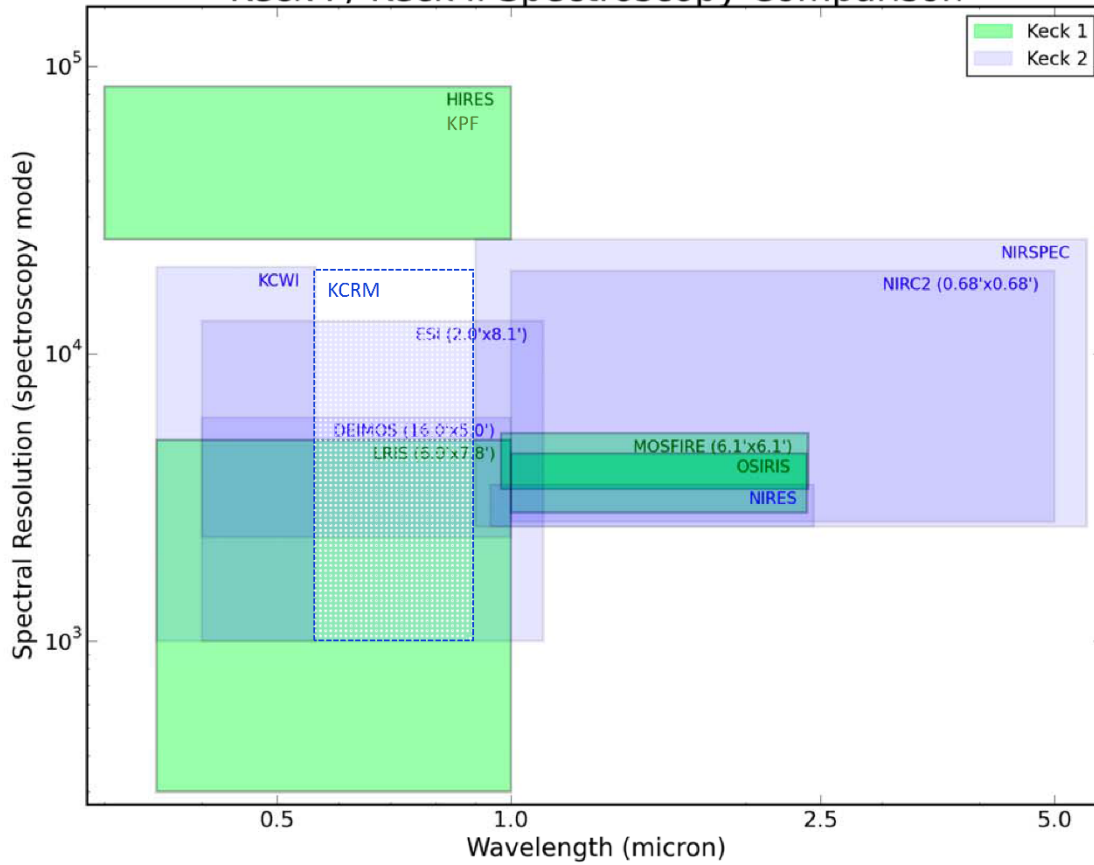
Information on Keck instrumentation is available at <https://www2.keck.hawaii.edu/inst/index.php>.

The Keck spectroscopic instrument suite is illustrated in the accompanying figure with additional information available at the Keck website: <https://www2.keck.hawaii.edu/inst/index.php>.

A report on possible new IR instrumentation can be found here:

<https://drive.google.com/file/d/1XvqBADvwmIEtVG8OeEEIXcd0TazplQSa/view>

## Keck I / Keck II Spectroscopy Comparison



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