



W. M. KECK OBSERVATORY
Maunakea, Island of Hawai'i

December 2022

Aloha,

On behalf of the staff members and community of astronomers at the W. M. Keck Observatory, I want to take this opportunity to wish the happiest of holiday seasons to our Keck Family of Donors and Supporters. Thank You for your support of our mission during the past year and in previous years.

The past 12 months have been a remarkable time in the history of the Keck Observatory. This fall, we welcomed our newest flagship instrument to the Observatory, the Keck Planet Finder (KPF). A decade in the making, KPF saw first light on November 9th (Carl Sagan's birthday!), and is now going through its commissioning phase, with full science operations to commence early in 2023. KPF will keep the Keck Observatory at the forefront of exoplanet research for decades to come.

Just after the New Year, we will take delivery of another new instrument, the Keck Cosmic Reionization Mapper (KCRM). By joining KCRM with its partner instrument, KCWI - which has become one of the most in demand instruments at Keck since it was commissioned in 2017 - we expect unsurpassed capabilities in advancing one of the Keck Observatory's strengths, the study of the farthest and the faintest objects in the universe.

Also in 2023, we'll add a powerful new upgrade to our NIRSPEC instrument, in the form of a Laser Frequency Comb, vastly increasing NIRSPEC's sensitivity and allowing it to join our growing number of instruments used for exoplanet studies.

All of these new instruments and upgrades, along with programs such as our Keck Visiting Scholars, the Keck Science Collaborative, and the Data Services Initiative, are possible only through the support of our donors. Philanthropy powers the mission of the observatory. Your gifts equate to cutting-edge scientific discovery and international leadership.

To those of you who have made a recent year end gift to Keck, we offer our thanks. To those of you perhaps considering a gift, please use the enclosed donation form or, if you prefer, you may make your gift online at <https://www.keckobservatory.org/donate/>

Thank you again for joining us as we continue our fantastic Voyage of Discovery. I hope to see you in person next year or at one of our Zoom astronomy talks!

Best Wishes for a Wonderful Holiday Season,

Dr. John O'Meara
Chief Scientist