



About the Kōke'e Park Geophysical Observatory (KPGO)



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The Kōke'e Park Geophysical Observatory (KPGO) is located on a remote ridge within Kōke'e State Park in the western portion of Kaua'i.



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NASA operates KPGO to collect geodetic data about the Earth's shape, orientation in space, and gravity. This data supports modern navigation technology such as the Global Positioning System (GPS) that is used every day in a wide variety of devices, from handheld smartphones to satellites. This data is also used for scientific studies, spacecraft navigation, and the geolocation of Earth observations.



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NASA has issued a Use Permit to the Navy for use of portions of KPGO to conduct PMRF mission support with radar, telemetry, and communications services.



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Continued operations at KPGO would ensure that data-related operations of global and local significance can continue, allowing multiple agencies' missions to persist without interruption.

NASA's lease began in 1965 when KPGO was part of the NASA Manned Space Flight Network. Since that time, KPGO has supported many NASA and external projects and has hosted a variety of equipment; it is a highly flexible and crucial geodetic site.

NASA's Space Geodesy Project maintains a global network of space geodetic observing instruments. The network is comprised of sites around the world that use four primary observation techniques.