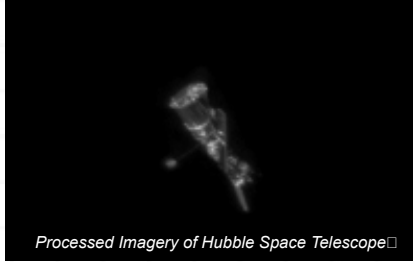


(Continued from page 1)

Maui Space Surveillance System (MSSS)

As a state-of-the-art electro-optical facility, the MSSS combines research and development with an operational mission; the only one of its kind in the world. The location at 10,000 feet above sea level and Maui's stable climate with minimal scattered surface light provide excellent viewing conditions most days of the year. MSSS uses its visible and infrared sensors, adaptive optics, and telescopes to collect imaging and signature data on near-Earth and deep-space objects. AFRL scientists and engineers analyze this data and disseminate imaging and signature products in support of SDA current needs.



Maui High Performance Computing Center (MHPCC)

The MHPCC is the "Vanguard Center of DoD High Performance Computing (HPC)," with a mission to evaluate and optimize early production HPC technology and provide breakthrough software solutions in support of DoD research, development, test, and evaluation (RDT&E) programs. Located in the Maui Research and Technology Park with high-bandwidth connectivity to MSSS, other Hawaiian islands, and the continental U.S., MHPCC investigates emerging HPC technology, provides HPC-backed solutions for high-priority defense programs, and lowers barriers to high-productivity computing for the DoD RDT&E community.

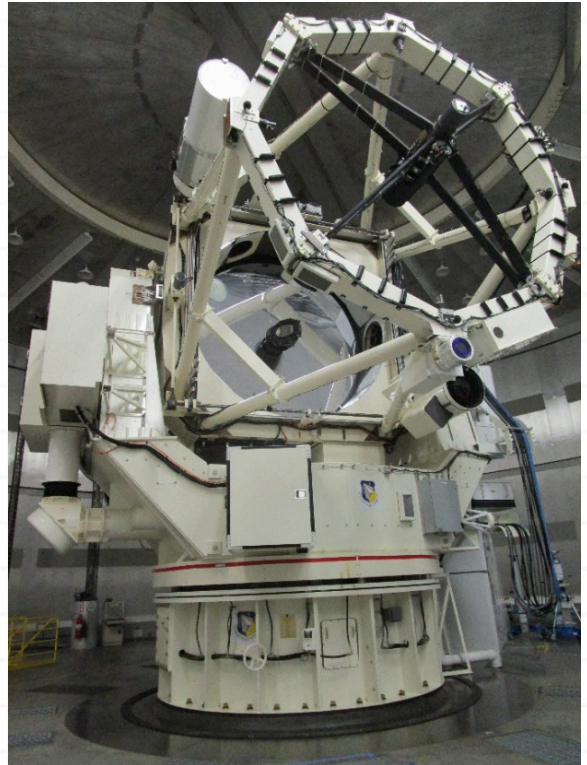
Outreach

AMOS partners with a number of organizations including the University of Hawaii's Institute for Astronomy, University of Hawaii Maui College, the Air Force Office of Scientific Research, Maui Economic Development Board, and local high-tech organizations. In addition to the goodwill, AMOS outreach encourages educational

paths through its science, technology, electronics, and math (STEM) program that is designed to introduce students to STEM-oriented careers and promote employment at AMOS and local high-tech organizations.

Culture

Since 1980, numerous studies have been undertaken at Haleakala Observatories in the interest of environmental, cultural, historic, and economic resources, as well as to mitigate the potential impacts to those resources. AMOS observes environmental conservation programs that include protection of the silversword plant and the Hawaiian Nene, or Goose, which are on the Federal List of Endangered Species and can be found atop Haleakala.



The 3.6-meter, 75-ton Advanced Electro-Optical System (AEOS) telescope shown above is the largest optical telescope in the Department of Defense. In addition the MSSS houses several other telescopes ranging from 0.4 to 1.6-meters.
Photo credit: AFRL