

International Lunar Observatory Association (ILOA): October 2007 Update – Mission, Finance And Organization Status

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Abstract. (*Keywords:* international, interglobal, Hawaii, Moon, lunar, astrophysics, multifunctional, science, communications, commerce, toehold, galactic) Originating in Hawaii near the center of the Pacific hemisphere, the ILOA in 2007 has been endorsed by and enjoys growing scientific, technical, financial and organizational support from institutes, individuals and enterprises to realize, place and operate a multifunction astrophysical observatory near the Moon's south pole as early as 2010. The ILOA also seeks to help support a follow-on human service mission to that facility and to parallel robotic village facilities that constitute the emerging lunar base settlement. The ILOA is an Earth-Moon interglobal enterprise with projected directors from major spacefaring powers Canada, China, India, Japan, Europe, Russia, Brazil, Crescent Moon Countries, USA and others representing the great majority of the planet's people.

Primarily an observatory for radio, submillimeter, infrared and visible wavelength astrophysics, for other non-astronomical observations, and for some geophysical science, the ILO also will function as a solar power station (with silicon photovoltaic research), communications center (with varied commercial broadcast possibilities), site characterizer (solar wind, radiation, temperature, duration; micrometeorites, ground truth), property claim agent, virtual dynamic nexus, toehold for lunar base build-out and settlement, and Hawaii astronomy booster.

Facilitating the continuing rise of excellence for Mauna Kea observatories through interglobal interaction, the ILOA is incorporating in Hawaii as a 501 (c) (3) non-profit to serve as the enabling, executive, governing, directing vehicle for the ILO. ILOA initial assets consist of, at least, 4 professional technical feasibility research studies, space/lunar flight-tested instruments, industrial partner service advances, 2 international astronomy center MOUs, a growing number of individual endorsements and interaction with top leaders worldwide, ILOA News, Hawaii / Mauna Kea office development, and directors' employment through financial reserves.

ILOA 2007 progress and developments will be updated through at least 6 major ILOA presentations in China, America, India, and Europe, including the ILOA Founders Meeting on Hawai'i Island 4-8 November and the ILOA Founders Meeting Preliminary Session at the International Astronautical Congress in Hyderabad 26 September. Supporting humanity's ascent to multi-world species and to interstellar, galaxy exploration, the ILOA has a promising outlook and future well worth advancing and pursuing.

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