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28 July 92

Mr. George R. Lewycky
7 Durst Drive
Milltown, NJ 08850

Dear Mr. Lewycky:

We are pleased to inform you that your proposal for Hubble Space Telescope observations, "Titan's Atmosphere and Evolution thru Disk Resolved Spectroscopy," submitted as part of the Cycle-2 amateur astronomer program, has been approved following careful review by the Amateur Astronomer Working Group (AAWG), a group of professional astronomers and technical staff here at the Space Telescope Science Institute, and the Director's review.

The following recommended allocations have been tentatively approved for your program:

- Unocculted spacecraft time = 3-4 hours
- Exposure time granted = 1.5 hours.

The unocculted spacecraft time includes the exposure time and overhead directly related to your program (such as target and guide-star acquisitions, readouts, filter and other element changes, real-time contacts, and special calibrations). An updated formula for estimating spacecraft time will be provided with the Phase II information packet that will be mailed to you within a month. You may want to optimize the exposure time within the given spacecraft time limit.

The above allocations are tentative, because detailed feasibility and duplication checks can be performed only after we receive your Phase II exposure specifications. All allocations are also contingent upon satisfactory operational performance of the telescope and instruments. Following the technical and duplication review of your Phase II material and the Director's review of the overall HST science program, you will receive a second allocation notification which will specify any consequent modifications.

I congratulate you on your success in winning time on HST, and I look forward to your participation in and contribution to the scientific program of this pioneering orbiting observatory.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. Giacconi", followed by a long horizontal line.

R. Giacconi
Director