

FINAL PERFORMANCE REPORT**REPORTING PERIOD: From: 07/01/94 To: 06/30/96****PRINCIPAL INVESTIGATOR: Melissa A. McGrath****INSTITUTION: Space Telescope Science Institute****PROJECT TITLE: *Ultraviolet Observations of the Io Torus Following the SL9 Impacts*****GRANT NUMBER: NAGW-4071****SUMMARY OF PROJECT ACTIVITIES:***1. Brief description of the primary objectives and scope of the project:*

Assess the impact of comet Shoemaker-Levy 9 on the Jovian magnetosphere (specifically the Io torus ion emissions).

2. Brief description of the findings:

Successful observations, no definitive effects from the comet detected. Data useful for understanding the state of the torus generally, and is being analyzed as such.

3. Name and date (or anticipated date) of the publication of results:

McGrath et al. 1995, Science, 267, 1313 second publication in progress, expected submission in 1998.

4. Suggestions and additional comments:

There were no patents/inventions developed under this project