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Quantitative Determination of Stratospheric Aerosol Characteristics

A quick and preliminary review of microdensitometer scans of the S190 limb imagery (SL3) does not reveal significant aerosol layers when plotted density versus altitude directly from the densitometer. We expect, however, that subsequent quantitative analysis and analysis of the S191 and S192 data when it arrives will yield the density gradients of interest.

We have learned of the degradation of the S191 spectrometer data due to the accumulation of contaminants around the vehicle. Effects on the study results will have to wait analysis of the data.

Work and budget expenditure schedules will require revision. The unexpected complexity of the S191 and S192 magnetic tape formats, delays in receipt of the data, and attempts to read erroneous data tapes have led to this requirement. We recommend for your consideration that an appropriate time for re-submittal of budget requirements and the parallel work schedules would be after receipt of all data (S190, S191, S192) and after verification of the ability to extract the data from the respective magnetic tapes. In the meantime, we will continue to analyze the S190 film, to prepare the software to read the tapes, and to improve analysis techniques in anticipation of the S191 and S192 data.

(E74-10353) QUANTITATIVE DETERMINATION OF
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Kent, Wash.) 1 p HC \$4.00 CSCI 04A

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