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QUANTITATIVE DETERMINATION OF STRATOSPHERIC AEROSOL CHARACTERISTICS

We have successfully read a borrowed S192 data tape. We are eager to receive the actual S192 limb data. There will be minor additional software development on the S192 data to format the image in a limb view; for instance, a nadir viewing the data has undergone a 19:1 and 5:1 linear transformation that will need to be removed.

We have received the S191 calibration tapes and sample data tapes. We are in the process of debugging and modifying our program to read them.

The inversion of the Fredholm integral equation for Mie scattering by a distribution of particle sizes has been implemented and debugged on the Boeing computer system. In April we reported that we were testing the program that analytically inverts the limb brightness signature to a vertical profile of aerosol attenuation coefficients. Tests revealed a malfunction which requires math modifications and reprogramming. However, we are confident that the program will be functioning shortly.

(E7.4-10607) QUANTITATIVE DETERMINATION OF
STRATOSPHERIC AEROSOL CHARACTERISTICS
Monthly Report, May 1974 (Boeing Co.,
Kent, Wash.) 1 p HC \$4.00 CSCL 04A

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