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1 January 1965

MEMORANDUM FOR: Chief, Special Projects Staff

SUBJECT: Weekly Status Report No. 15 on Project FULCRUM

1. Camera System

A. ITEK - The mount designs for the three major optical elements were completed, and the cracked primary mirror was returned to the Corning Glass Company, in the hope that the cracks might be annealed through a reheating process. Work on the brassboard continues, but a special support dolly will have to be fabricated in order to accommodate the brassboard in the ion physics vacuum chamber.

B. P. E. - P. E. was provided with current spacecraft programmer data pertaining to V/H data accuracies on 30 December.

C. STL - Analyses by Dr. Scott and [redacted] of the Preliminary Design Results included in STL's third progress report continues.

D. RCA - Work on the concept involving the ten foot long magazines of film strips continues.

2. Spacecraft

Efforts are still underway to acquire from Lockheed the ATL scanner data needed by G. E. in their attitude control system

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selection. Mr. Maris of G. E. visited ATL and discussed with them their scanner concept.

3. Recovery System

Mr. Cahow visited Irving Air Chute as part of AVCO's investigations into the parachute aspects.

4. Systems Engineering

and Mr. Frank of STL visited The Martin Company on 30 December for further discussions on Titan II and Titan III cost and performance data.

5. Interface Aspects

No interface meetings were held this week.

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