



7 October 1963

MEMORANDUM FOR THE RECORD

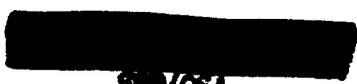
SUBJECT : Problems on Mission 1002

1. The following contains comments based on the discussions with [redacted] and [redacted] of LMSC, together with reactions expressed in cable traffic on the Mission.

2. The master camera failed during the first half of the mission. LMSC has determined that the failure was caused by lack of torque in the take-up cassette. The torque dropped to zero because of a shift in the potentiometer used to monitor the spool. This potentiometer alignment was shifted because of interference during final assembly, and was not subsequently calibrated. The failure of the master camera during the first half of the mission can be directly described to a poor procedure and sloppy workmanship.

3. At the conclusion of the first half of the mission a recovery attempt was made; however, the normal command signal would not be accepted. Therefore, Lifeboat command was used for recovery. Deactivation was otherwise normal. Subsequent attempts to reestablish stable flight for the second half of the mission have been unsuccessful; apparently the trouble is in the decoder. The detail failure in the decoder is not known now, the operating personnel are attempting to bypass portions of the decoder. Full reports on this will probably not be available for some days.

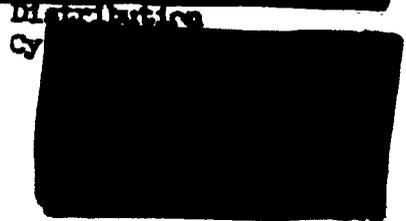
SIGNED



ESM/GSA



(7 OCTOBER 1963)



Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997