

**TOP SECRET**

VIA AIR  
(Specify Air or Sea Pouch)

DISPATCH NO. [ ]

25X1

[ ]  
CLASSIFICATION

TO Headquarters

DATE 10 JUL 1956

FROM [ ]

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SUBJECT { GENERAL OPERATIONS  
SPECIFIC [ ], Mission A-2013

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Mission A-2013 was conducted by [ ] on 4 July 1956 in Article 169. Special equipment consisted of the [ ] Duration of the flight was 8:45 hours. Take-off was made on schedule with no difficulties being encountered in either flight planning, personal equipment, maintenance or auxiliary equipment. [ ] reported satisfactory operation of the camera equipment. However, post flight inspection revealed that sometime during the mission the left oblique camera shutter failed. The taper pin had come out of the wind coupling on the shutter spring housing. It was evidenced that the pin had worked loose, and finally broke off after having rubbed for a considerable time against the casing. Immediate action taken to preclude further pin failures was to redrill the holes, taper, and insert new pins of a larger size. In addition, a clip will be put around the coupling so that the pin cannot come out even if it does work loose. This rework was not considered necessary to date inasmuch as the shutter speeds have recently been changed from 1/250th sec. to 1/150th sec. which greatly lessens the load on the taper pin. The camera manufacturer was advised by TWX of this malfunction. (Ref. TWX 32A21).

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Each magazine cycled its complete film load of 1800'. Sample clips were taken from the end of each roll, however cloud coverage prevents determination of resultant quality. Selected and recollimated lenses were utilized in each camera position, therefore results should be optimum. The tracker exposed 900' of film which was processed, duplicated, and locally evaluated as excellent. During letdown, considerable moisture collected in and on the tracker which shorted out electrical contacts on the relay rack causing it to stop within 25' from the end of the roll. Post flight inspection of the tracker in the A/C indicated that it did not operate. However, after removing it to the shop and thoroughly drying it out, it evidenced proper operation.

[ ] reported that there was fogging in the drift sight scope which first appeared as crystalized moisture. This was observed during the

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