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Man 1020



7 June 1965

TO: [REDACTED]

FROM: [REDACTED]

SUBJECT: J-20 FLIGHT READINESS AND FLIGHT CERTIFICATION - VAFB

INTRODUCTION

Film exhibits generated by the panoramic cameras of J-20 system at VAFB in support of the Flight Readiness Test were reviewed on the afternoon of 2 June 1965 to determine flight readiness. Comments pertinent to cassette loading and final J-20 flight certification are included.

SUMMARY

A. Flight Readiness Test

Examination of the J-20 system flight readiness film exhibits revealed the following performance characteristics:

1. The 1st flight readiness test film exhibits for both instruments 136 and 137 were uniformly fogged to what appeared to be maximum density. No data lamp recording was discernable. No rail or format outline was discernable. H.O. exposure lamps and main format fogging lamps were on but no imagery of any kind was discernable in either film exhibit. Film fog was attributed to white light exposure of the supply film for an undetermined period of time at VAFB prior to test. It was recommended that supply film be removed, checked and discarded until fog free material was detected on the supply spools for use during a repeat flight readiness test.
2. The 2nd flight readiness test was completed without incident. Processed film exhibits from instruments 136 and 137 were analyzed. All data recording was present. Horizon fiducials and the horizon camera shutter function were acceptable. The time word, serial number, index lamps, 200 pps track, blanked pulse and end of pass mark were present and acceptable in all formats of panoramic photography. Controlled fogging of the panoramic format revealed stove banding to be absent and the 200 pps timing track was outside the active format area. Several very minor minus density streaks parallel to the film edge in both panoramic film exhibits were observed. No other film defects attributable to

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flight hardware were observed in the final flight readiness film exhibits. Flight readiness film exhibits indicated that J-20 system is ready for flight.

B. Flight Loading

Flight film was placed in the J-20 panoramic camera supply cassette on the morning of 3 June 1965. Supply cassette loading was completed in 38 minutes, the shortest loading to date. Six outer wraps of film from each film supply spool were removed following the new requirement to supply SPPL with 20 feet of film from each panoramic supply spool in place of 10 feet. J-20 panoramic camera supply film, used for flight came from film box No. 42 and is identified as follows:

Instrument #136

Film Batch 97 - 18 - 17 - 5 - 5
Spool 118 T

Instrument #137

Film Batch 207 - 6 - 5 - 5
Spool 4B

The integrated J-20 system was operated in flight configuration with film and was rated acceptable for flight.

APPROVED [REDACTED]

[REDACTED], Manager
Operations & Analysis

cc: [REDACTED]

[REDACTED] Evaluation

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