

CORONA [REDACTED]

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13 FEB 1967

ACTIVITY REPORT
OFFICE OF SPECIAL PROJECTS
JANUARY 1967

I. Collection of Intelligence

CORONA

4 January 1967

LMSC/Sunnyvale personnel briefed the Resident Office Staff on the LMSC study for [REDACTED] on using the Corona vehicle as the base for conducting MC and Geodesy missions only. The three cases studied and presented were:

1. Using the GOPPS camera with two Mark 5 buckets.
2. GOPPS with one BIOS bucket.
3. GOPPS with two BIOS buckets.

The rough draft of the user data book was reviewed with [REDACTED] representative. It was agreed that the data book, in rough form, would be given to the users for comment after the 23 January PG Meeting in Washington.

The DISIC Integration Status at A/P was reviewed and action items were defined. These items concerned level of A/P support to Fairchild Field Service, provision of a clock simulator by FSFD, clean room procedures, and payload integration philosophy.

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5 January 1967

Resident Officer met with [REDACTED] at Sunnyvale to review data on procedures, type tests, time phasing of tests, and acceptance and qualification levels that will be in effect for the J-3 Program.

6 January 1967

A briefing was given to the Resident Office by LMSC's Guidance Group relative to the ability to provide vehicle altitude data to the tape recorder to improve accuracy. It was determined that gyro inputs from present Agena system would not be accurate enough to meet 5 arc seconds. A/P will investigate the accuracy of RACS (Redundant Attitude Control System) gyro which is now under development for the [REDACTED] Program.

9 January 1967

An EKIT Meeting was held at A/P and attended by representatives from [REDACTED], [REDACTED], [REDACTED], [REDACTED], [REDACTED] and the Resident Office. The detailed test procedures for the night photographic and IR tests in conjunction with the 14 January 1967 Corona launch were developed.

10 January 1967

The final Electrical System Design Review was held at A/P. The Resident Office approved the design as presented (two minor open items).

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11 January 1967

The Resident Office was briefed at A/P by [REDACTED] personnel on the design and probable cause of the BIOS failure.

A Program Managers' Meeting was held at A/P. Topics discussed included:

- (1) PERT analysis of 1 January data indicated no change from the last analysis which showed negative 3.4 weeks slack (behind schedule condition) when compared to the 24 July flight readiness for J-3. The major constraints are in the A/P activities, primarily electrical boxes, with a big problem being lack of availability of procured parts.
- (2) Over age problems with the heat shields require that storage dates for systems J-47 through J-50 be extended, which means manufacture of the three last forebodies will start one to three months later than previously planned.
- (3) [REDACTED] has submitted its spare parts philosophy and list to A/P, who will submit comments to the Resident Office. [REDACTED] spare parts list has been received and a letter defining spare parts philosophy is expected shortly. It is expected that J-3 Corona spare parts will be definitized by March 1967.

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- (4) [REDACTED] has 4 DFD's (for the J-1 system) scheduled for shipping to A/P within the next week. This has been a problem due to lack of availability of shutters meeting specifications.
- (5) J-3 qualification program is now entering the critical phases. There are potential slippages in the instruments arrivals at A/P, mainly because of Corona, resolution and electrical noise problems. Qualification programs for DISIC and pan cameras are about 92% complete and QR-2 qual programs have not started.

12 January 1967

AGE Unit No. 1 buy off at [REDACTED]

13 January 1967

SRV No. 801, the first of the J-3 configured ones, was accepted at [REDACTED]

Meeting at [REDACTED] to discuss and gather facts on the designs of the sink valve and fixed ballast.

14 January 1967

Mission 1038 (J-34) launch and EKIT tests attendant thereto were successful.

17 January 1967

The Resident Officer met with [REDACTED] at A/P to discuss the users' data book, recommended orbits for first J-3 flight, and the operation of a committee to determine where weight might be eliminated in the J-3 Agena/payload.

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18 January 1967

Col. L. Allen and [REDACTED] of [REDACTED] R&D visited the facility for orientation and limited discussion on attitude determination systems.

A group of LMSC Vice Presidents headed by Jim Plummer were given a briefing by A/P on the Corona J-1 and J-3 Program including financial status. This meeting was attended by LMSC personnel only.

19 January 1967

Mission 1038 "A" recovery was successful.

20 January 1967

Resident Officer attended a presentation to [REDACTED] at Los Angeles on Program [REDACTED] test procedures and phasing.

23 January 1967

PG Meeting was held at [REDACTED]. Main results were to continue PG effort as now planned pending users detailed evaluation of useability of calibration for M, C, and [REDACTED] purposes.

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24 January 1967

EKIT briefing was given to OSP staff at [REDACTED] in the morning and to interested NPIC staff at [REDACTED] in the afternoon. Data book was reviewed by the users at [REDACTED]. Results were to add a few items to the book and to initiate development of a system book for ~~TKH~~ users.

26 January 1967

Mission 1038 "B" recovery successful.

Thermal Meeting conducted at [REDACTED]. With a few minor details still to be worked out, the [REDACTED] AP interface specification was completed satisfactorily.

SRV 802 buy off completed at [REDACTED]

Buy off Meeting of DISIC S/N 3, the first flight unit, was conducted. Delivery and signing of DD 250 will be delayed pending the completion of the qualification on the [REDACTED] qual unit, S/N 1. Delivery to A/P of the first flight article (S/N 3) to be no later than 27 February.

[REDACTED] selected the 80 degree orbit, high period, 85 N.M. perigee for first flight of J-3 payload. Active time on orbit is expected to be 12-14 days. [REDACTED] requested A/P estimate necessary lead time for ordering 13 additional payloads.

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27 January 1967

SRV Ballast Meeting held at [REDACTED]. The dynamic criteria for the fixed ballast was approved; an open item was to conduct flotation tests to insure proper operation of recovery aids and sink valves if air recovery was not successful.

30-31 January 1967

Management and contractual review at [REDACTED] J-3 was held. About [REDACTED] costs to government in FY 1967 were deferred or cancelled.

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*****NOTICE OF REMOVED PAGES*****

Pages 8 through 21 are not provided because their full text does not contain CORONA, ARGON, LANYARD programmatic information.