

0200Z 24 OCT 59

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OPS

DIRECTOR

[REDACTED]

DFD (1,2,3,4,5,6,7,8,9,10)

S/C (11)

MF

TOP: 0253Z 24 OCT 59

Declassified and approved by [REDACTED]

In Accordance with E. O. 12958

on NOV 26 1997

PRIORITY



CORONA

MESSRS: [REDACTED] KIEFER FROM COL WORTHMAN

FOLLOWING MSG DISPATCHED THIS MSG 23 OCTOBER IS QUOTED FYI:
QUOTE.

FROM: COMDR AFBND ARDC LOS ANGELES 45 CALIF; TO: COFS HEDUSAF WASH
25 DC; COMDR ARDC ANDREWS AFB MD; DIRECTOR ARPA WASH 25 DC;
INFO: 659TH TEST WG PALO ALTO CALIF; CHIEF AFEND FIELD OFFICE VAFB
CALIF; COMRAD ELMENDORF AFB ALASKA; COMPAF HICKAM AFB HI
~~SECRET~~ FROM [REDACTED]

AFBND FOR [REDACTED] AFDAT FOR GEN BOUSHEY, AFCGM-A FOR [REDACTED]
ARDC FOR [REDACTED] THIS IS A NORTH STAR AND R MINUS 5 DAY REPORT.
FOR DISCOVERER VII.

PART I. PRIMARY TEST OBJECTIVES: DEMONSTRATION OF ORBITAL CAP-
ABILITY OF SATELLITE WITH A RECOVERABLE CAPSULE SECURING FROM IT
TELEMETERED DATA AND INFORMATION ON TEST MATERIAL FOR A PERIOD OF 1
DAY AND RECOVERY OF THE CAPSULE FOR DIRECT EXAMINATION OF TEST MATERIAL.

PART II. VEHICLE CONFIGURATION AND PAYLOAD: DISCOVERER SATELLITE

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REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED.

Copy No. [REDACTED]

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APAGE 2

VEHICLE XA MODEL 2205, SERIAL 1051 WILL BE MATED TO THOR BOOSTER, SM-75, SERIAL 206. CONFIGURATION AND PAYLOAD ARE SAME AS PREVIOUS VEHICLES WITH THE FOLLOWING EXCEPTION: THE VEHICLE COMBINATION ERECTED AND READY FOR LAUNCH WILL WEIGH 117,635 POUNDS.

PART III. CALCULATED VALUES ARE AS FOLLOWS:

- A. DISCOVERER EMPTY WEIGHT ON ORBIT 1747 POUNDS
- B. INJECTION ALTITUDE 120 STATUTE MILES
- C. ECCENTRICITY .037
- D. ORBITAL PERIOD 93.5 MINUTES
- E. LAUNCH AZIMUTH 172 DEGREES
- F. NOMINAL INJECTION VELOCITY 25040 FT/SEC

PART IV. THIS VEHICLE INCLUDES ADDITIONAL INSTRUMENTATION OF THE RECOVERY PACKAGE FOR VERIFICATION OF RECOVERY SEQUENCE FUNCTIONS.

PART V. DISCOVERER VII IS SCHEDULED FOR LAUNCH AT 1930Z, 27 OCTOBER 1959. CHECKOUT OF VEHICLE ON PAD IS PROCEEDING.

UNQUOTE

END OF MESSAGE

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