

DATE : 1800Z 15 FEB 61

~~SECRET~~

ROUTING	
1	1
2	████████████████████
3	3

OPERATIONAL IMMEDIATE

TO : DIRECTOR

FROM : ██████████

ATTENTION: OPS (1,2,3,4)

INFO: S/C (5)

VP

Declassified and Released by the N H U
In Accordance with E. O. 12958
on **NOV 26 1997**

OPS IMMEDIATE

TOR: 1858Z 15 FEB 61

PL

██████████

PRITY

██████████

DATE

██████████

REF: ██████████

FOR MESSRS PARANGOSKY, KIEFER, ██████████ AND ██████████ FROM ██████████

THE FOLLOWING NORTH STAR PRESTO REPORT TO CHIEF OF STAFF,
HQ USAF AND COMMANDER, HQ ARDC IS QUOTED FOR YOUR INFORMATION.

QUOTE:

██████████ SUBJECT: NORTH STAR PRESTO REPORT, LAUNCH OF
DISCOVERER XX AND XXI. THIS MESSAGE IN THREE PARTS. PART I.
DISC XX, AGENA 1104 IS RESCHEDULED FOR 2000Z 17 FEB. ALL PARAMETERS
AND RECOVERY INFORMATION REMAIN THE SAME AS GIVEN IN OUR NORTH
STAR REPORT ██████████ OF 30 JAN. PART II. 1. DISC
XXI, AGENA 1102, RM 2 IS SCHEDULED FOR LAUNCH AT 1930Z 18 FEB FROM
PAD 75-3-5, VANDENBERG AFB. 2. ORBITAL PARAMETERS ARE:

1ST BURN

AFTER SECOND BURN

A. PERIOD - 92.0 MIN

94.76 MIN

B. APOGEE - 334 SM

492 SM

C. PERIGEE - 130 SM

141 SM

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**This document contains information
referring to Project 6201**

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[REDACTED] PAGE TWO

D. ECCENTRICITY - .024 .042

E. INCLINATION - 31.8 DEG 81.8 DEG

3. A RESEARCH AND DEVELOPMENT MIDAS RADIOMETER PAYLOAD WILL BE USED TO OBTAIN BACKGROUND DATA IN THE CARBON DIOXIDE AND WATER ABSORPTION BANDS OF THE INFRARED SPECTRUM. RESTART EXPERIMENT WILL BE PERFORMED OVER ALASKA ON FIRST ORBIT. APL DOPPLER AND TRACKING LIGHTS WILL NOT BE CARRIED. 4. NO RE-ENTRY IS PLANNED. ACTIVE WORKING LIFE OF PAYLOAD IS TWO DAYS. 5. RECOVERY FORCES WILL NOT BE UTILIZED. TRACKING STATIONS WILL BE USUAL DISCOVERER STATIONS, PLUS AMR TRACKING STATIONS [REDACTED] AND [REDACTED] AND TRACKING STATION, [REDACTED]

6. DISCOVERER XXI WILL UTILIZE MB-3, BLOCK I (150,000 LBS THRUST) BOOSTER ENGINE, AND AGENA B SECOND STAGE. PART III. THE ABILITY TO LAUNCH DISC XX AND XXI ON CONSECUTIVE DAYS IS POSSIBLE DUE TO THE FOLLOWING CONDITIONS: (1) THE DELAYS IN THE LAUNCH OF DISC XX DUE TO SANOS INTERFERENCE AND TECHNICAL PROBLEMS ENCOUNTERED HAVE PERMITTED THE PREPARATION OF DISC XXI TO CATCH UP TO DISC XX. (2) THE TEST OBJECTIVES OF THE TWO VEHICLES ARE DIFFERENT. DISC XX IS A STANDARD RECOVERABLE MISSION WHILE DISC XXI HAS A NON-RECOVERABLE MIDAS SUPPORT RADIOMETRIC PAYLOAD. (3) THE T/M READOUT REQUIREMENTS OVER THE TRACKING STATIONS ARE DIFFERENT AND BY PROPER LAUNCH TIMING OF DISC XXI, THE PROBABILITY OF BOTH VEHICLES BEING OVER A TRACKING STATION AT THE SAME TIME IS VERY SMALL. (4) THE 5594TH TEST WG IS NOW OPERATING FROM THEIR NEW CONTROL CENTER WHICH IS ADQUATELY EQUIPPED TO HANDLE MULTIPLE SATELLITE OPERATIONS.
END OF QUOTE.

END OF MESSAGE