

Lansc 803046  
By 3

JOINT MESSAGEFORM

SECURITY CLASSIFICATION

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

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PRECEDENCE	TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
	ACTION	BOOK	MULTI			
INFO						

FROM: 6595 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

TO: SPACE SYSTEMS DIV LOSA CALIF  
VWZD - 1 - 9 - 234

SUBJECT: 8-HOUR LAUNCH FLASH REPORT

I. A PROGRAM 16Z SATELLITE VEHICLE CONSISTING OF THOR BOOSTER NO. 348 AND AGENA 1B ORBITAL STAGE NO. 1132 WAS LAUNCHED ON THE FIRST ATTEMPT FROM VAFB COMPLEX 75-3 PAD 5 AT 1339:08.93 PDT ON 1 SEPTEMBER 1962. THE PRIMARY LAUNCH OBJECTIVE, TO PLACE THE AGENA SATELLITE WITH PAYLOAD IN A NEAR-POLAR ORBIT, WAS ACCOMPLISHED. THE VTS RADAR PLOTBOARD INDICATED THE FOLLOWING APPROXIMATE INJECTION CONDITIONS: ALTITUDE, 191 STATUTE MILES; PAD REFERENCED VELOCITY, 25,450 FPS; ELEVATION FLIGHT PATH ANGLE, APPROXIMATELY 0 DEG; AZIMUTH FLIGHT PATH ANGLE, APPROXIMATELY 174.5 DEG. THE ORBITAL PERIOD ATTAINED APPEARS TO BE SLIGHTLY ABOVE NOMINAL, BASED ON FIRST PASS ACQUISITION.

SPECIAL INSTRUCTIONS

By Authority of HFR 205-2  
Date APR 20 1983  
CLASSIFICATION CHANGED TO  
DOWNGRADED AT 3 YEAR INTERVAL  
DECLASSIFIED AFTER 12 YEARS  
DDO DIRECTIVE 5200.10

DATE	TIME
1	
MONTH	YEAR
SEP	62

SYMBOL

TYPED NAME AND TITLE (Signature, if required)  
**C. S. WALLER, LT. COL USAF**

PHONE **866-5831** PAGE **1** NR. OF PAGES

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FROM:

**6395 AEROSPACE TEST WG VANDENBERG AFB, CALIF.**

**PRELIMINARY VALUES OF SIGNIFICANT LAUNCH EVENTS ARE:**

LIFTOFF (1339:08, 93 PDT)	ZERO
STEERING INITIATED	92.10 SEC
MECO (S1)	145.05 SEC
VECO	154.05 SEC
ENABLE D1 AND D2 (S2)	149.92 SEC
D1 ON	152.63 SEC
D1 OFF	155.62 SEC
D2 ON	155.76 SEC
D2 OFF	158.81 SEC
SEPARATION COMMAND	159.68 SEC
SEPARATION COMPLETE	162.03 SEC
CELLAGE ROCKET IGNITION	203.8 SEC
AGENA ENGINE IGNITION	215.8 SEC
AGENA THRUST ATTAINMENT (90 PER CENT PC)	217.07 SEC
AGENA BURNOUT (70 PER CENT PC)	461.04 SEC
VTS VERLORT RADAR FADE	524 SEC
VTS ACQUISITION BEACON FADE	545 SEC
VTS TELEMETRY DATA FADE (LINK 1)	554 SEC

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4595 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

**II. ALL BOOSTER SUBSYSTEMS PERFORMED SATISFACTORILY AND, IN RESPONSE TO GROUND GUIDANCE SYSTEM COMMANDS, PROVIDED THE REQUIRED COAST APOGEE CONDITIONS. NO ABNORMALITIES HAVE BEEN NOTED.**

**GROUND GUIDANCE SYSTEM DATA INDICATE THAT BOOSTER COAST APOGEE ALTITUDE WAS 157.90 NM (NOMINAL: 157.92NM) AND THE VELOCITY WAS 8937 FPS (NOMINAL: 8939 FPS).**

**III. ALL AGENA VEHICLE SUBSYSTEMS PERFORMED SATISFACTORILY DURING LAUNCH TO PROVIDE THE PROPER TRAJECTORY CONDITIONS AT AGENA ENGINE SHUTDOWN. A SLIGHT ANOMALY WAS NOTED IN THAT HEAVY EXTRANEIOUS RADAR INTERFERENCE PENETRATED THE S-BAND BEACON RECEIVER CHANNEL THROUGHOUT THE LAUNCH. RECEIVER ACTIVITY BURSTS WERE RECORDED IN EXCESS OF 1600 PPS. LIGHT INTERFERENCE WAS RECORDED ON THE TRANSMITTER CHANNEL, BUT RADAR TRACK WAS NOT JEOPARDIZED AND AUTO-LOCK WAS MAINTAINED.**

**AT THE TIME OF SIGNAL FADE AT YTS, ALL VEHICLE SUBSYSTEMS WERE FUNCTIONING NORMALLY AND THE ORBITAL TIMER WAS SET AT 5631 SEC (STEP17). IN THE RESET-ON POSITION, IN THE INCREASE MODE, AND ALTERNATE RE-ENTRY DISARM STATE.**

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6595 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

IV. THE AEROSPACE GROUND EQUIPMENT FUNCTIONED PROPERLY TO ACCOMPLISH BOOSTER AND ORBITAL STAGE PRE-LAUNCH CHECKOUT, EXCEPT FOR THE LANDLINE GUIDANCE GAS PRESSURIZATION MEASUREMENT WHICH WAS NON-FUNCTIONAL. LANDLINE RECORDER NO. 9 INDICATED ERRONEOUSLY DUE EITHER TO A MALFUNCTION IN THE RECORDER OR A CALIBRATION ERROR. IN TASK 4 THE 100 PPS SIGNAL TO THE PAD CAMERAS INDICATED UNSATISFACTORY. PROPER OPERATION WAS RESTORED BY KELLOGG PERSONNEL.

V. THE COUNTDOWN WAS INITIATED AT 0600 PDT AND PROCEEDED TO LIFTOFF AT 1339:08. 93 PDT WITH NO HOLDS. HOWEVER THE COUNTDOWN CLOCK WAS STOPPED FOR 9 MIN. TO ADJUST TO A RESCHEDULED LIFTOFF TIME OF 1339 PDT.

*IRREGULARITIES*

THE FOLLOWING ~~IRREGULARITIES~~ WERE ENCOUNTERED: DURING TASK 11, ADDITIONAL PAYLOAD CHECKS WERE PERFORMED. FROM TASK 16 THROUGH LIFTOFF THE AGENA ENGINE LIP SEAL PRESSURE INDICATED AT THE MAXIMUM SPECIFICATION LIMIT. THE LANDLINE INDICATION OF GUIDANCE GAS PRESSURIZATION WAS NON-FUNCTIONAL AND ALL MEASUREMENTS ON LANDLINE RECORDER NO. 9 READ IN ERROR THROUGHOUT THE COUNTDOWN.

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FROM:

6593 AEROSPACE TEST WG VANDENBERG AFB, CALIF.

FAD DAMAGE WAS NORMAL.

NORMAL TURN-AROUND SCHEDULE IS EXPECTED.

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