JOINT MESSAGEFORM

SPACE BELOW RESERVED FOR COMMUNICATION CHACER ï

PRECEDENCE.	TYPE MSG (Chack) AC SY	COUNTING ORIG: OR REF		isification reference
info				
FROM: 6596 AEROSPACE TI	est wo vandenberg.a	FB. CALIF.	SPECIAL II	NETRUCTION
space systems div vw.zd - 9= /0 - 37)	그는 그들은 점점 하면 문화적 그 사람들이 되는 것이 되었다면 그는 그는 그는 그를 통하는 것이다.			
Subject: /8-hour l	Aunch flash report			
T A WINHIOI IT CONS	ISTING OF THOR BOOST	FD NO 257 AND	A CENTA DE	
		AN NO. 25E AND	ACT IN	
orbital stage no.	1134 WAS LAUNCHED C	ON THE FIRST AT	TEMPT (4 1
				BU
FROM VAFB COMPL	EX 75-3, PAD 4, AT 113	5:38.77 PDT ON 9	OCT-	
OP ED 1023 GIVE 50				9
OBER 1302. THE PK	IMARY LAUNCH OBJEC	HAR! TO PLACE	THE	Ju .
AGENA SATELLITE V	VITH PAYLOAD IN A NE	AR-POLAR ORBI	rWas	a \$
ACCOMPLISHED:/HO	WEVER, THE TRAJECTO	ORY WAS STONIE	CANTILY	E &
ABOVE NOMINAL DU	e to loss of the btl	GROUND GUIDAI	NCE AND	300
COMMAND SYSTEM I	DURING THOR BOOST.	rhis resulted i	NTHE	397
				* 5
ABSENCE OR GROUN	D COMPUTED STEERING	i Commands; E	VENT	
COMMANDS, AND AC	ENA DISCRETE COMMA	NDS. AIRBORNE	DATE	TIME
BACKTID SVSTIDAS W	ere effective in Sig	NAF T TATO COTOTO		
DAON OF DISTRIBUTE	EVE ELLECTIAT IN SIG	AALIMG CRITIC	YTT THAMPIE	YEAR
		ATURE .		

CONTROL CANADA

Colle:

6595 AEROSPAGE TEST WG VANDENBERG AFB, CALLF.

AND THUS PERMITTED ORBITAL ATTAINMENT DESPITE THE LOSS OF RADIO GUIDANCE. THE VTS RADAR PLOTBOARD INDICATED THE FOLLOWING APPROXIMATE INJECTION CONDITIONS: ALTITUBE, 210 STATUTE MILES; PAD REFERENCED WELOGITY, 25,200 fps; ELEVATION FLIGHT PATH ANGLE, APPROXIMATELY PLUS ONE DEG; AZIMUTH FLIGHT PATH ANGLE, APPROXIMATELY PLUS ONE DEG; AZIMUTH FLIGHT PATH ANGLE,

TO BE ABOVE NOMINAL, BASED ON FIRST PASS ACQUISITION.

PRELIMINARY VALUES OF SIGNIFICANT LAUNCH EVENTS ARE

LIFTOFF (1135:38: 77 PDT) ZERO

STEERING INITIATED NONE

MECO (PROPELLANT DEPLETION) 147.18 SEC

VECO 156:12 SEC

ENABLE DI AND D2 (S2) NONE

DION

Deloff

D2 ON NONE

D2 OFF NONE

BECARATION COMMAND (TIMER BACK-

163.7 SEC

SEPARATION COMPLETE 166, 1 SEC

ULLAGE ROCKET IGNITION 194: 7-SEG

WARDL IN OF STORMY CHARGE IN ON INITIAL

THE THE PARTY OF T

AGENA ENGINE LONGTICAL

JM. TEEC

ACTUAL THREST ATTAMOUNT (10 MER-

CONT. Pal 107.) ELL

(PROPELLANT DEPLETION) SEL. | SEC

THE VERLOUT NAME PADE 540 SEC

THE ACCOMPANY NEACON PADE 164 BEC

THE THE PROPERTY DATA FADE (LOSE ! SOT SEC

EAMBOF

PAGE NE OF SECRETY CLASS ME PAGES

NITIALS

JOINT, MESSAGEFORM - CONTINUATION SHET

FROM

6595 AEROSPACE TEST WO VANDENBERG AFB, CALIF.

III. ALL AGENA VEHCLE SUBSYSTEMS PERFORMED SATISFACTORILY DURING LAUNCH TO PROVIDE ADEQUATE TRAJECTORY CONDITIONS AT AGENA ENGINE SHUDOWN; HOWEVER, THE FOLLOWING DISCREPANCIES WERE NOTED:

A. DUE TO THE LOSS OF GROUND GUIDANCE DURING THE BOOST PHASE, TIME & TO FIRE, VELOCITY - TO - BE GANED ADJUSTMENTS, AND SEPARATION COMMAND WERE NOT PROVIDED.

CONSECUENTLY, SEPARATION AND IGNITION WERE SIGNALLED BY THE D-TIMER AFTER PREDETERMINED INTERVALS FROM LIFTOFF.

AGENA ENGINESHUTDOWN OCCURRED DUE TO PROPELLANT DEPLETION SINCE SUFFICIENT IMPULSE WAS NOT AVAILABLE TO SATISFY THE UNCORRECTED VALUE OF VELOCITY - TO - BE GAINED. THE INTECRATOR DATA INDICATE THAT SHUTDOWN OCCURRED AT A VELOCITY GAIN ARE CXIMATELY 170 TOS, LESS THAN THAT REQUIRED TO SATISFY.

THE UNCORRECTED INTEGRATOR SETTING OF 16, 756 456.

B. HEAVY RADAR INTERFERENCE IN THE BEAGON SIGNAL CHANNEL RAISED THE ACTIVITY LEVEL TO PRAKS IN EXCESS OF 1200 pps) HOWEVER, NEGLIGIBLE COUNTDOWN IS REFLECTED IN THE BEAGON POWER CHANNEL! WHICH PROVIDED THE VERLORE RADAR WITH A GOOD TRACKING SIGNAL.

AT THE TIME OF SIGNAL FARE AT VIS, ALE VEHICLE SUB-

SYSTEMS WERE FUNCTIONING NORMALLY AND THE GREITAL

HITIALE



6595 AEROSPACE TEST WG VANDENBERG AFB, CALLE.

Timer was set at 5439 sec (step 19). In the reset-on

Position, in the increase mode, and alternate re-entry

Disarm state:

IV. THE COUNTROWN WAS INITIATED AT 0330 PDT AND PROGRESSED TO LIFTORE WITH 2 HOLDS TOTALING 35 MIN.

HOLD NO. I WAS IMPOSED AT 1000 FOR 15 MIN TO ADJUST THE COUNTDOWN TO A CHANGE IN THE LAUNCH WINDOW FROM

HOLD NO. 2. WAS IMPOSED AT 1100 FOR 20 MIN DUE TO TRAINS IN THE HAZARD AREA.

During the Countdown, the pollowing technical difficulties

Were encountered.

- 1. The Landline indications of agena lifeboat sphere Temperature and fuel tank temperature were inoperative Throughout the countrown
- 2. IN TASK 10, AFTER PREPRESSURIZATION, IT WAS NECESSARY
 TO REVERIFY LIFEBOAT CONTROL GAS SPHERE PRESSURIZATION BY
 REFERRING TO THE TELEMETRY READOUT AND BY OFF LOADING ONLY.
 OF CONTROL GAS FROM 2000 psi TO 1400 psi AND THEN RELOADING.
- 3. IN PHASE V. THE TELEMETRY INDICATION OF THOR PITCH ATTITUDE SIGNAL WAS FOUND TO BE OUT OF CALEBRATION.

PAD DAMAGE WAS NORMAL AND THE NORMAL TURNAROUND

3

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JOINT MESSAGEFORM - COMMINICATION SHEET

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6595 AEROSPACE TEST WG VANDENBERG AFB, GALLE,

SCHEDULE CAN BE MAINTAINED.

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