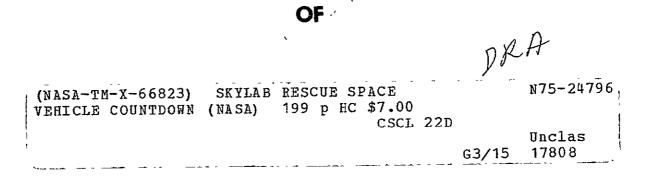
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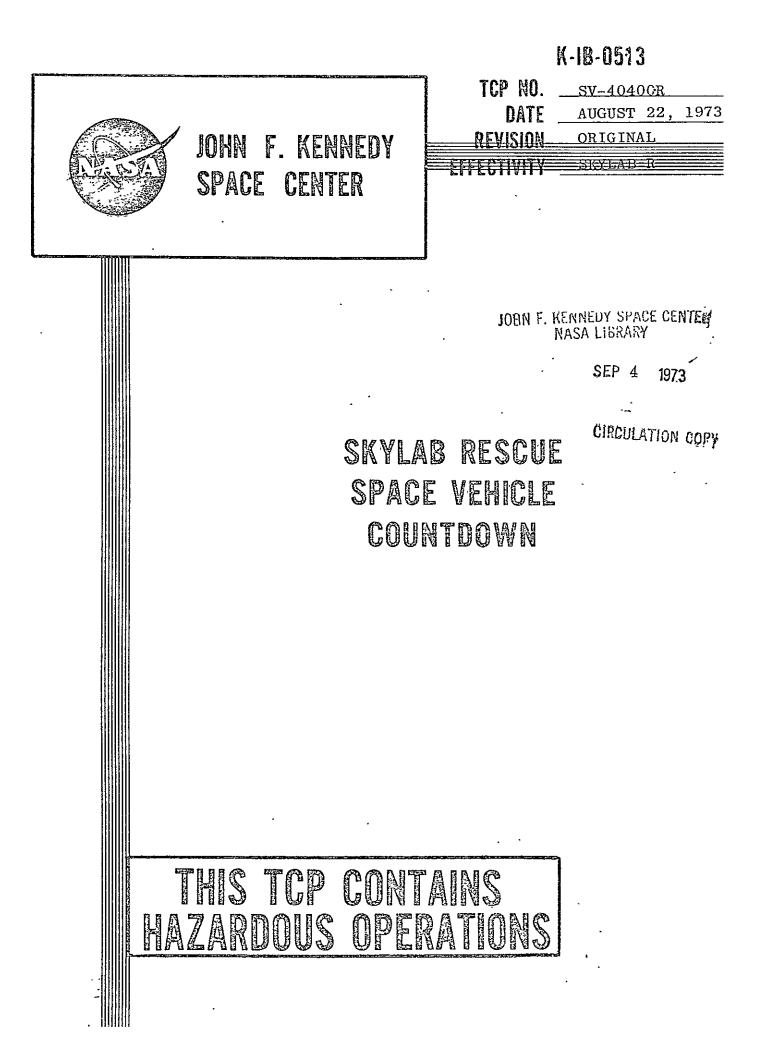
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EFFECTIVITY	SKYLAB R

SKYLAB RESCUE SPACE VEHICLE COUNTDOWN -

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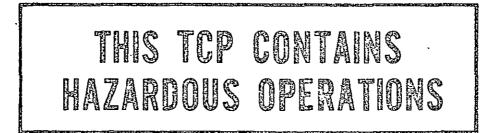
APPROVAL

and

W J KAPRYAN DIRECTOR OF LAUNCH OPERATIONS

TCP NO	SV-40400R
DATE	AUGUST 22, 1973
REVISION	ORIGINAL
EFFECTIVITY	SKYLAB R

SKYLAB RESCUE SPACE VEHICLE COUNTDOWN



6. At

PREPARED BY/ TEST INTEGRATION BRANCH (LA-PLN-1) NASA CONCURRENCE/APPROVAL

P. C. DONNELLY

MANAGER TEST OPERATIONS (LA-OPN)

75 KSC SAFETY OFFICE

R. E. MUSI'R &- 20-73 MANAGER, TEST PLANNING (LA-PLN)

72 Lacill

A. E. MORSE, JR. JEC RESIDENT OFFICE WSK

SPACE DATE. REVISION	VEHICLE COUNTDOWN - RESCU AUGUST 22, 1973 ORIGINAL	E VEHICLE APOLLO/SATURN		PAGE EST NO. EHICLE	SV-404000 Skylab F
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SPACE 94.11 41.1.04	AUGN:	DLE COUNTDOWN - RESC ST 22, 1973 NINAL	UE VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	5 SV-40400R SKYLAB R
			TEST OUTLINE		· ·
		•	CE VEHICLE COUNTDOWN		
1.0	2U5	POSE	-	· 、	. ·
PREPAR IS & T	8 ANG 80-81	LAUNCH THE SKYLAB	S TO ACCOMPLISH THE OPEN SPACE VEHICLE, THE SKYL E VEHICLE, SERVICE MODUL ESCAPE SYSTEM'	AB CONFIGURAT	ION
1.1	TES	T OBJECTIVE			
CHECKO	UT Rg	QUIREMENTS SPECIFIE	TO SATISFY THOSE SPACE N D IN THE TEST AND CHECK(EST AND CHECKOUT PLAN,	VEHICLE TEST AN Dut requirement	ID IS
1.7	- çoy	STRAINTS AND GUIDEL	INES		
1.2.1	ŢE9	T_CO'FIGURATION	•		
THE SP	ACE V	EHICLE SHALL RE AT	THE PAD IN A LAUNCH CONF	IGURATION.	
1.2.2	OP	RATIONAL CONSTRAINT	S AND GUIDELINES		
	Δ.	FLIGHT BATTERIES W AS POSSIBLE.	ILL TO BE INSTALLED AS L	ATE IN THE COU	INTDOWN
	з,	FUEL CFLLS WILL BE Possible:	ACTIVATED AS LATE IN TH	E COUNTDOWN AS	
	c,	POSSIBLE (AFTER CR	LL INGRESS AS LATE IN TH YOGENIC TANKING), BUT HI RM THE REQUIRED SYSTEM C	TH SUFFICIENT	TIME
	D,	THE PRIMARY DAMPER TANKING) PRIOR TO (WILL BE RAISED (AFTER L FLIGHT CREW INGRESS.	V CRYOGENIC	-
	E.	A HOLD IS PLANNED (LAUNCH VEHICLE CRYC	IN THE COUNTDOWN JUST PR OGENIC LOADING;	NIOR TO AND AFT	ER
		ORIGINAL PAC OF POOR QUA	GE IS LITY -		

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A	VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 APOLLO/SATURN ORIGINAL	PAGE TEST NO. VEHICLE	SV-40400 SKYLAB
1.2.3	SAFETY		
	ACE VEHICLE LAUNCH COUNTBOWN I'S CONSIDERED TO BE ING REASONS	HAZARDOUS FOR	THE
	A, SPACE VEHICLE HYPERGOLICS WILL BE ON BOARD	;	
	3. SPACE VEHICLE ORDNANCE WILL BE INSTALLED A	ND CONNECTED	
	C. SPACE VEHICLE PROPELLANT TANKS AND GAS STO BE PRESSURIZED.	DRAGE SPHERES W	ILL
	D. SPACE VEHICLE CRYOGENICS (LOX, LH2, AND LH	RE) WILL BE LOA	DED.
	E. RPE1 WILL BE ON BOARD;		•
	F. THE FUIGHT CREW WILL INGRESS AND THE HATCH	HWILL BE CLOSE	D,
1.3	TEST DESCRIPTION		•
CELLS L LDADED, HOOKED- A RF1 T STATION ADJUSTM MINUTE AT T=8 COMMANE PERFORM CPERATI	NT ACTIVITIES STAPT AT T=91 HOURS FOR THE LAUNCH WILL BE ACTIVATED, LAUNCH VEHICLE BATTERIES INST , LAUNCH VEHICLE RPm1 REPLENISHED, LV ORDNANCE I -UP, S&A, HDA, AND SPGG CONNECTED, AND LAUNCH VE TEST WILL BE RUN AT T=4 1/2 HOURS. THE CSM CLOS N BEFORE THE ONE HOUR HOLD AT T=3 1/2 HOURS. LA MENT WILL BE MADE DURING THIS HOLD WITH FURTHER NOMINOL HOLD AT T=15 MINUTES. TARGET UPDATES F HOURS 5 MINUTES AND T=35 MINUTES. THE FLIGHT C D MODULE AT T=2 HOURS 40 MINUTES, FINAL SYSTEM V MED AND THE COMMAND MODULE CLOSED OUT, A FINAL IONS, GUIDANCE, AND COMMUNICATIONS WILL BE MADE, CER (TCS) WILL BE ACTIVATED TO PROVIDE AUTOMATIC F.	TALLED, CSM CRY INSTALLED AND S HICLE CRYOGENI SE OUT CREW WIL UNCH WINDOW OP REFINEMENT POS TOR THE LVDC AR TREW WILL INGRE /ERIFICATION WI CHECK OF CRITI THE TERMINAL	OGENIC V ORDNANCE CS LOADED, L BE ON ENING TIME SIBLE IN 2 E PLANNED SS THE LL BE CAL COUNT

SPACE VEHICLE COUNTDOWN DESCHE VENTCHE

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KSC FORM 23-61 D (6/64)

SPACE	VERICLE COUNTDOWN August 22, 1973	- RESCUE	VEHICLE		, 7
			APOLLO/SATURN	PAGE	SV-40400R
DATE:	ORIGINAL			TEST NO.	SKYLAB R
REVISION				VEHICLE	

1.4 POST LAUNCH

AT LIFTOFF THE FLIGHT DIRECTOR AT MCC ASSUMES OPERATIONAL RESPONSIBILITY FOR THE SPACE VEHICLE. A DUAL ABORT REQUEST RESPONSIBILITY EXISTS WITH THE FLIGHT DIRECTOR AND THE LAUNCH OPERATIONS MANAGER (KSC) UNTIL THE VEHICLE CLEARS THE UMBILICAL TOWER, AT THAT TIME, THE LAUNCH OPERATIONS RESPONSIBILITY IS TRANSFERRED TO THE FLIGHT DIRECTOR;

KSC OPERATING AND SUPPORT ELEMENTS SHALL SECURE THEIR SYSTEMS IN A TIMELY SEQUENCE SO AS NOT TO AFFECT THE OBJECTIVES OF THE MISSION! POST LAUNCH PAD INSPECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE POST LAUNCH ACCESS AND INSPECTION PLAN, LAUNCH COMPLEX 39=A AND B.

DESIGNATED PERSONNEL SHALL REMAIN ON STATION THROUGH THE LAUNCH INSERTION PHASES.

SPACE DATE: REVISION	VEHICLE CO August 22 Origínal	DUNTDOWN - RESCUE 1973	VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	SV-40400 SKYLAB
		Ļ	ST_OF REFERENCES		•
· -	1:	LAUNCH VEHICLE D COUNTDOWN DEMONS V-20130.	PERATIONS FOR SUPPOR TRATION TEST AND LAU	T OF SPACE VEHIC Inch countdown,	LE
	2,	SPACECRAFT OPERA COUNTDOWN DEMONS	TIONS FOR SPACE VEHI TRATION, KO0007.	CLE LAUNCH COUNT	DOWN/
	3.	SKYLAB SPACE VEH CHART.	ICLE COUNTDOWN OPERA	TIONS INTERFACE	CONTROL
	4.	SKYLAB 2.3,4, RE KHB 8635,5710,	SCUE TEST AND CHECKO	UT PLAN, VOL. ≰,	
	5.	SKYLAB1/SKYLAB 2 INSTRUCTIONS, 60	AND SUBSEQUENT LC-3 0-26-0102.	9 LAUNCH OPERATI	ONS
	4.	ASTP/SKYLAR - SA Emergency procedu	TURN IB SPACE VEHICL URES. SV-46101.	E TEST SUPERVISO	R
	7,	S-18 STAGE RPAL	AUTOMATIC LOADING, V	-20127	~
	8.	POST LAUNCH ACCE AND B. 630-39-00	SS AND INSPECTION PL	AN, LAUNCH COMPL	EX 39-A
	- 9.	APOLLOZSATURN CAN AND PROCEDURES,	MERA GVERRIDE CONTRO 630±40=0009.	L SYSTEM GROUND	RULES
	1.0	KSC APOLLO/SATUR	N CALL SIGN HANDBOOK	£ 630-23-0001.	
	11.	GROUND SAFETY PL	AN; KV=053.		
	12.	SECURITY OPERATIO	ONS PLAN FOR SKYLAS,	KHB 1600,1/15.	
	13.	SKYLAB PART I RD	50000.	· .	
	14	LOX/LH2 LOADING	AND DRAIN OPERATIONS	, PAD A, V-35014	\$
	15.	SKYLAR LAUNCH MI	SSION RULES.		
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		ORIGINAL OF POOR	PAGE IS QUALITY		

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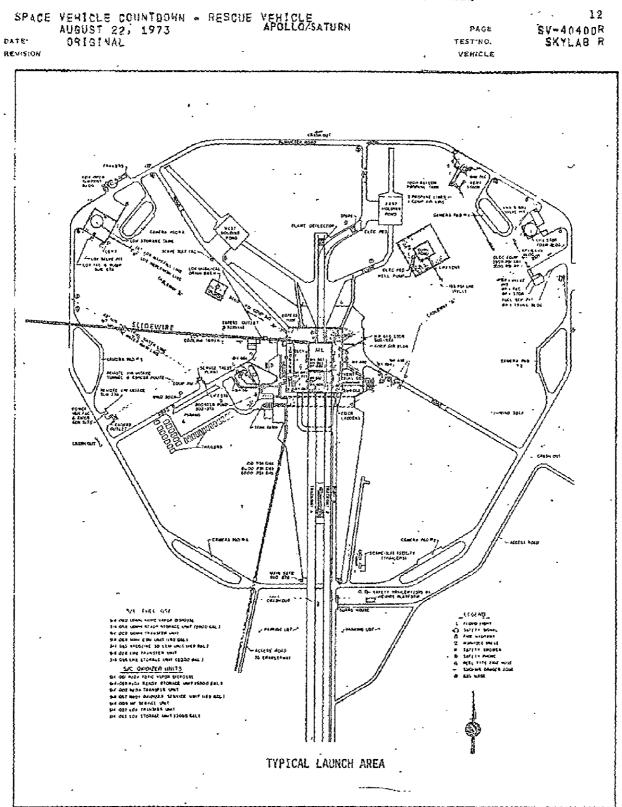
SPACE	VEHICLE COUNTDOWN - PESCU August 22, 1973 Original	E VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	SV-40400 Skylab
		ACÇESS CONTROL	! -	
	CONTROL OF PERSONNEL IN AREA IS MANDATORY DUE T			
	THE CONTROL OF PERSONNE THE DIRECTION OF THE TE PLAN AND THE SKYLAB SEC SPACE VEHICLE LAUNCH CO EXPOSED TO HAZARDOUS OP WAZARDOUS OPERATIONS MA THE TEST SUPERVISOR AND ANY CHANGES TO MANLOADI TEST/OPERATION MUST HAV REPRESENTATIVE.	ST SUPERVISOR: THE O URITY PLAN WILL GOVER UNTDOWN: THE NUMBER ERATIONS WILL BE CONT NLOADING DOCUMENT, AS KSC SAFETY FOR ALL O NG DUPING THE PERFORM	ROUND SAFETY IN DURING THE OF PERSONNEL IROLLED BY THE S APPROVED BY DPERATIONS. MANCE OF THE	•••
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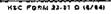
TE	VEHICLE COUNTDOWN - RESCUE VEHICL AUGUST 22, 1973 APOLLO ORIGINAL	E D'SATURN PAGE SV~40400 TEST NO. SKYLAB VEHICLE
	HAZARDOUS A	REA CONTROL
	FUNCTION	CONTROL AREA
1.	CSM SMALL ORDNANCE HOOKUP	MSS LEVELS 4 AND 5, SA 8 AND 9.
2.	S-IB ENGINE HYPERGOL • INSTALLATION	TOP OF PEDESTAL AND ML - ZERO LEVEL.
3.	LAUNCH VEHICLE INITIATOR DETONATOR HOOKUP AND CSM HEAVY ORDNANCE HOOKUP.	ML, MSS, PAD APRON, AND ZERO LEVEL.
4.	CSM REMOTE RESISTANCE CHECKS AND GHE SERVICE AND PROPELLANT LINE DISCONNECTION.	AREA CONFINED BY THE COMPLEX PERIMETER FENCE.
5.	CSM LO2 AND LH2 TANKING	1100-FOOT RADIUS AROUND THE SPACE VEHICLE. LV COMPUTER MAINTENANCE PERSONNEL ARE PERMITTED TO REMAIN IN ML ROOM 10 AND 15A DURING CSM CRYO TANKING.
6.	CSM LO2 AND LH2 PRESSURIZATION.	AREA CONFINED BY THE COMPLEX - PERIMETER FENCE.
7.	CM 02 SURGE TANK PRESSURIZATION	CM INTERIOR.
8.	HDA AND SPGGI CONNECTION	TOP OF PEDESTAL, ML ZERO LEVAL AND FLAME TRENCH.
9.	LV SEA CONNECTION	LV INTERIOR, S-IB AFT AND A 10 FOOT RADIUS AROUND THE SEA UNITS AND TOP OF PEDESTAL.
10.	LOWERING OF ESP	ML 127' LEVEL, DIRECTLY BELOW THE ESP, AND INSIDE THE PEDESTAL LEGS.
11.	LV LO2 SYSTEM CHILLDOWN	PERIMETER ROAD.
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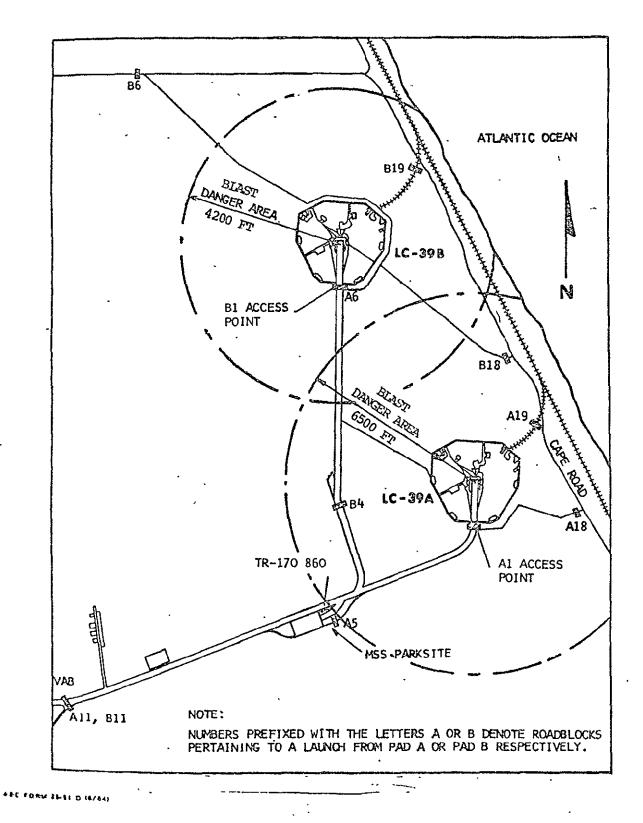
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	FUNCTION		CONTROL AREA		
12.	LV RP-1 REPLENISH		MOBILE LAUNCH AND THE FLAME	ER 127', ZERO TRENCH.	LEVEL
13.	MSS MOVE TO PAD B	·* .	EXCLUDING ML FOR MOVE TO P	IS AROUND MSS AND SPACE VEH AD GATE, 600 MSS OUTSIDE I	ICLE -FOOT
-14.	LV LO2 AND LH2 LOADIN	lG.	BLAST DANGER	AREA.	
15.	ARM LES	•	BLAST DANGER	AREA.	-
	ORIGI OF PO	NAL PAGE IS OR QUALITY	·		. ``
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SPACE	VEHICLE COUNTDOWN	RESCUE VEHICLE	11DM	- 13 0V-40406P
•	AUGUST 22, 1973	AFOLLO/ JA I	URN PAGE TEST NO.	SV=40400R Skylab R
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BEVISON			VERICES	
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SPACE DATE- REVISION	VEHICLE CQUNIDOWN - RESCUE VEHIC AUGUST 22, 1973 ORIGINAL	LE O/SATURN	PAGE TEST NO. VEHICLE	14 SV-40400F SKYLAB F
	INTERCOMMUNICAT	IONS INFORMATION		
ALL-4	REAPAGING EM PA			
TO RE ORDNA	USED FOR ALL AREA ANNOUNCEMENTS ICE OPERATIONS IN THE VAB OR FOR	SUCH AS, PERSONN Emergencies.	EL CLEARING FO	DR
PAGIN	G (CH.) 188 (PA)			
	TO BE USED FOR OPERATIONAL ANN DF A SPECIFIC OIS MISSION BUS, INCLUDING THE VAB, LCC, AND PA BUILDINGS,	PA OPERATES AT	LAUNCH COMPLI	EX 39,
OPERA	TIONAL INTERCOMMUNICATIONS SYSTEM	(015)		
-	THE TEST AND CHECKCUT OPERATIO ASSIGNED OR INDICATED IN THE P COORDINATION BY THE SPACE VEHI BE CONDUCTED OVER OIS CHANNEL JNABLE TO REACH AN ORGANIZATIO AILL HE SWITCH TO THAT ORGANIZ TEST SUPERVISORY PERSONNEL SHO FOLLOWING CIRCUITS	ROCEDURE FOR THE CLE TEST SUPERVI 181. IF THE TES N ON DIS CHANNEL ATIONIS PRIMARY	E TEST OPERATIO SOR WILL NORM ST SUPERVISOR 1817 ONLY THI ASSIGNED CHAN	ONS' ALLY IS EN NEL
	SPACE VEHICLE TEST SUP TEST SUPPORT GONTROLLE LAUNCH VEHICLE TEST CO CSM SPACECRAFT TEST CO SYSTEMS SAFETY (NASA=S S=IB TEST CONDUCTOR (C GSE TEST CONDUCTOR (BO S=IVB TEST CONDUCTOR (BO IN TEST CONDUCTOR (IBM INSTRUMENTATION GONTRO SUPPORT CONTROLLER (NA INSTALLATION SUPPORT C	R (NASAFTS) ONDUCTOR (NASA-LV INDUCTOR (NASA-LS IF) HRYSLER) DEING) HDAC) ') ULER (NASAFIN) NSAFSO)	121 261 212 125 231 266 241 251 116 122	
SPACE	VEHICLE TEST SUPPRVISOR DIS SPEC	IAL COORDINATION	I CHANNEL	
	CHANNEL 174 HAS BEEN DELEGATED AUXILIARY CHANNEL, THIS CHANN OF THE SV TEST SUPERVISOR TO F SUPPORT ACTIVITIES AND FOR CON WEATHER STATION,	VEL MAY BE UTILIZ Yesolve problems	ZED AT THE DIS INVOLVED WITH	CRETION Test
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SPACE ATE: EVISION	VENICLE COUNTBORN - RESCUE VEHICLE AUGUST 22, 1973 ORIGINAL	PAGE TEST NO. VEHICLE	19 SV-40400 SKYLAB
SUPER	INTENDENT OF PANGE OPERATIONS (SRO)		•.
	THE SRO HAS ACCESS TO OIS CHANNELS 181, 121, 26 THE TEST SUPERVISOR WILL REQUEST THE SRO TO SWI CHANNELS THEN HIS ACTIVE PARTICIPATION IS REQUIN SRO WILL MONITOR ROUTINE TEST COMMUNICATIONS WI SUPERVISOR;	ICH TO ONE O Red: Normal	
PAD T	EST_SUPERVISOR (PVTS)		
	AN ASSISTANT TEST SUPERVISOR WILL BE LOCATED AT TIMES OF OPEN PAD CONDITIONS TO MONITOR THE OPEN PROBLEM AREAS FOR THE TEST SUPERVISOR, HE WILL OPERATIONS AT THE PAD FOR THE TEST SUPERVISOR AN DIS CHANNEL 151.	RATIONS AND COORDINATE	ASSESS
01 <u>\$</u> \$	YSTEM TROUBLE REPORTING		
	TO REPORT TROUBLES OR REQUEST ASSISTANCE IN THE SYSTEM, CONTACT YROL (0&C, CIF), BROL (LC#39), (AREAS ON DIS CHANNEL 117, IF TROUBLE PREVENTS U CONTACT COMMUNICATIONS CONTROL CONSOLE ON 867-43	DR JROL (ALL USE OF 015,	
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	· · ·		
,	ORIGINAL PAGE 18 OF POOR QUALITY	۰.	
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SPACE DATE: REVISION	VEWICLE COUNTDOWN - RESCUE VEHICLE August 22, 1973 Apollo/saturn Original	- PAGE TEST NO. VEHICLE	, 16 SV-46400R SKYLAB R
	HEADSET INTEGRITY CHECK	• •	
3	A HEADSET, HEADSET CORD, AND EXTENDER CABLE I RF MADE BY EACH USER OF THE OIS SYSTEM EACH T STATION TO SUPPORT THE SPACE VEHICLE LAUNCH O	IME HE COMES ON	
	WHEN COVING ON STATION, HE WILL REPORT TO HIS USING ONE OF THE FOLLOWING PROCEDURES	S IMMEDIATE SUPE	RVISOR
· A,	IF THE HEADSET IS CONNECTED DIRECTLY TO AN OI	SURF END INSTRU	MENTS
	C. SELECT YOUR SUPERVISOP'S PRIME CHANNE	L ON THE ACTIVE	DIAL
	2. REPORT TO YOUR SUPERVISOR STATING CAL	L SIGN AND POSI	TION
	3. SELECT CHANNEL 274 ON THE MONITOR DIA WILL BE HEARD.	AL: A 1000 HZ T	ONE
	4. GIVE A SHORT COUNT, E.G. 1, 2, 3, 4 ON YOUR ACTIVE CHANNEL.	4, 5, 5, 4;	3, 2, 1.
	5. THE SUPERVISOR MONITOR DIAL SHOULD NO	DT BE SET TO CHA	NNEL 274,
-	IF THE SUPERVISOF REARS THE 1000 HZ T UNSATISFACTORY AND SHOULD BE REPORTED CHANNELS.		
	IF THE SUPERVISOR DOES NOT HEAR THE 1 HEADSET IS SATISFACTORY;	LOOO HZ TONE, 7H	₽
	· · · · · · · · · · · · · · · · · · ·		

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SPACE DATE: REVISION	VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 APOLLO/SATURN CRIGINAL	PAGE TEST NO. VEHICLE	SV-40400R SKYLAB R
в,	IF THE HEADSET IS CONNECTED TO AN EXTENDER CABLE		
	1. REPEAT ITEMS A.1 THROUGH 5.		
	2. IF THE RESULTS ARE UNSATISFACTORY (SUPERV TONE), THE FOLLOWING IS REQUIRED TO ISOLA HEADSET OR EXTENDER CABLE		
	(A) REMOVE HEADSET FROM EXTENDER CABLE A To nearest available disarf instrume		DIRECTLY
	(B) REPEAT ITEMS A:1 THROUGH 5;		
	(C) IF PESULTS ARE STILL UNSATISFACTORY, The HEADSET OR HEADSET CORD,	THE PROBLEM	ISIN
	(D) IF THE RESULTS ARE SATISFACTORY, THE EXTENDER CABLE;	PROBLEM IS	INTHE
	THE UNSATISFACTORY COMPONENT SHOULD B Established channels,	E REPORTED	тнролен
	NOTE		
	THIS CHECK IS APPLICABLE AT THE D&C AND LC#39		
	THOSE USERS HAVING AUDIO CAPABILITY (TYPE 51 UNIT) SHOULD NGT ACCESS ANY OIS CHANNELS THROUGH THE AUDIO SYSTEM FOR THIS CHECK.	·	
	END OF HEADSET INTEGRITY CHECK		
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DATE-

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 APOLLO/SATURN

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PAGE TEST NO. VEHICLE .

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111	15 121	15 131	CV 141	LV 151	LV 161	171	10 151	-5 211	5 221	LV 231	LV 241	LY 251	LV 261	ĺ
	TEST SUPPORT CONTROLLER C R	PHOTO	SEE NOTE	SEE		(845%UP) 7 U	TEST SUPERVISOR	SEE NOTE				LU TEST CONDUCTOR	LAUNCH VENICLE TEST COND. 9 "	
412	30 122	14 132	<u>LV 142</u>	LY 152	LV 162	15 172	1.5 1.82		-5 222	LV 232		LY 252	LV 262	0
SEE NOTE	SUPPORT CONTROLLEP	FACILITY AND ENVIRON. MEAS,	SEE .	SEE NOTE	SEC NOTE	SEC Hote	CSM AEROMED		THE THEFT		S~IVB MECHANICAL	ODAS AND GPND. PEAS		OF POOR
	50 123	CA 722	LV 143	LY 153	LV 163	CS 173	LS 163	213	LS 223	LV 233	LV 245	LV 253	LY 263	8
CONTROL ING INEER	PAD NATER SYSTEM	SEE Note	SEE NOTE	SEE	see Hote	SEL HOTE	SEE NOTE	CSR TROUBLE SHOOTING	CSM ELECTPICAL POWER STSTEM	S-IB ELECTRICAL	S-IV8 ELECTRICAL	LU ELECTRICAL AND EDS	FLIGHT COMPUTE®	Ð
LIA IIISTALLA-	15 124	LY 234	LY 144	LV 154	LY 161	LO 174	.5 184	2.5 214	1.5 224	L¥ 234	LY 244	LV 254	LV 264	
TIO'I SUPFORT	TROUGLE SHOOT ING	140TE IADTE	SEE NOTE	SCE NOTE	SEE NOTE	WÉATHER	SCE NOTE	DIST., AND BIOMED.	CSH PUEL CELL AND CRYO	T-ID INSTPU- HENTATION	S-IVB INSTRU- MENTATION	TU INSTRU-' HENTATION	PF & TH CINTE- GPATEDD	JALITY
115	58 125	LY 135	EV 145	LV 155	LV 165	-5 1/5	45 183	1.5 215	1.5 225		LV 245		LV 245	i-₹ 5
PAVLEP	PAD SAFETT	SEE	SEE - KOTE	SEE	SEE NOTE	SEE NOTE	SEE	CSN GEN	CSM STABILIZA- TION CONT. STSTEM	PROPEL- LANT (OXIDIZER)	PROPEL- LANT (FUEL)	RCA-110, CDC, DEF-6 AND AUX. PONSP	TROUBLE SHOOTING	
1 116	50 126	LA 130	LV 246	jLV 156	LV 106	LY 176	5 146	LY 216	5 225	LV 236	LV 245	LV 254	LV 266	
INSTRU- INITATION INITFOLLER	PAD	SET NOTE	SEE Note	STABILIZER	R C	SERVICE ARM DPERATIONS	<u> </u>	DPERATIONS	CONT. SYS_	OPERATIONS		S-19 FIRING ACCESSOR. E FSP	SE TEST CONDUCTOR	
1 117	50 127	LY 137	50 147	IN 157	167	LY 177	13 187	LY 217	LS 227	LY 237	50 247	SO 257	LH 767	
OIS CONTROL CONTROL CONTROL	Pheurai ICS	SEE	SEE NOTE	DATA DISPLAY	015 CONHUNT- CATIONS	SEPVICE ARH OPFRATIONS		SERVICE APT	SYSTEM	ECS	HODILE LAUNCHER STRUCTURE	MOBILE SERVICE STRUCTUPE OPERATIONS	KSC TINING	
ACILITY	FACILITY	LY 133	114 140 CIF	IIII 158	p.s 168	LY 178	195	LV 218	1-5 228	LY 238	115 248	LS 258	15 268	
AND ENVIRON. MEAS.	AND ELYIRON.	SEC NOTE	TELEMETER GROUND STATION	TELEMETER GROUND STATION	SEC NOTE	SERVICE ARM DPERATIONS	PAGING	SERVICE AFS DPERATIONS	CSM ACE/GSE	LSE ELECTRICAL	SEE NOTE	SEC NOTE	SEE NOTE	

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SPACE	VEHICLE (AUSUST 22 Original		PAGE TEST NO. VEHICLE	19 SV-40400F SKYLAB F
		OPERATING STATIONS	_ *	
TEST C		S AND TEST MANAGEMENT PERSONNEL		
	DLO LOM CVTS VSTC CLTC CUTC C3TC C4TC B0SC S1IS C61G	LAUNCH DIRECTOR (HASA) LAUNCH OPERATIONS MANAGER (NASA) SPACE VEHICLE TEST SUPERVISOR (NASA) SPACEGRAFT TEST CONDUCTOR (CSM/NASA) LAUNCH VEHICLE TEST CUNDUCTOR (NASA) TEST SUPPORT CONTROLLER (NASA) IU STAGE TEST CONDUCTOR (IBM) S-IB STAGE TEST CONDUCTOR (CHRYSLER) GSE STAGE TEST CONDUCTOR (BOEING) S-IVB TEST CONDUCTOR (HDAC) SJPPORT CONTROLLER (NASA) INSTALLATION SUPPORT CONTROLLER (NASA)		
SYSTEM	SSAFFTY			
	- DPSS	SYSTEMS SAFETY		
LAUNCH	OPERATIO	DNS SECURITY		
	CTMS	SECURITY CONTROLLER		
R110+	SUPPORT			
	CRSS GMIL RSO SRD	RANGE SAFETY SUPERVISOR'S PANEL UNIFIED SEBAND GROUND STATION RANGE SAFETY OFFICER SUPERINTENDENT OF RANGE OPERATIONS		
FLIGHT	CONTROL	(HCC)		
	Ⅎ₣ႱႨ	FLIGHT DIRECTOR, HOUSTON		
		,		

TE- VISION	AUGUST 22. ORIGINAL	NINTOONN - RESCUE VEHICLE 1973 APOLLO/SATURN PAGE TEST NO. VEHICLE	SV-41401 Skylab
OPERA'	TIONS PERS) WNEL .	
	a CMP	CSM PILOT, BACK-UP	
	ЗЕАСН		
-	2025	LAUNCH SITE RECOVERY FORCES COMMANDER	
	2004	GROUND COMPUTER COMPLEX FIRING ROOM	
		TH SYSTEMS ENGINEER	
		LV ERSCR SYSTEMS ENGINEER	
	3P40	PHOTO COORDINATOR	
	GOTV	OTV CONTROLLER	
		WIDERAND SYSTEM CENTER/AAS POWER-RECORDER OPERATOR	
	аТм₫	TH C/C EQUIPMENT, COMM, HODULE ROOM 2P10	
-	CEDK	CRT KEYBOARD - EDS DCC OPERATOR	
	CL3K	CRT KEYBOARD - GUIDANDE COMPUTER	
	5L V M	VEHICLE NETWORKS CONSOLE	
		TEST CONDUCTOR' S/C ASST.	
	CSAO	SERVICE ARM 9 CONTROL CONSOLE, COMM, MOD.	
	2588	SERVICE ARMS POWER PANEL	
	CSTO	ASTRO COMM	
	TUES	EDS PREPARATION	
	SUEV	FVENTS DISPLAY (IU)	
	GUNP	NETWORKS PANEL	
	CUSW	NETWOPKS SWITCH SELECTOR PANEL	
	CWCP	INDUSTRIAL WATER CONTROL PANEL	
	CLYS	MECHANICAL SYSTEMS ENGINEER	
	SICS	CUTOFF SENSORS PANEL	••
	CIDP	PROPELLANT DISPERSION AND ORDNANCE (DESTRUCT) PANEL	÷
	CIFC	FLIGHT CONTROL RECORDERS	
	51FP	FIRING CONSOLE AND COMPONENT TEST PANEL	
	6110	LOX SYSTEM PANEL	-
	C1 VP	VETNORKS PANEL (S-1C)	
	C190	PONER PANEL (DC)	
	01SP	SEQUENCER PANEL	
	C2DP	PROPELLANT DISPERSION PANEL	
	CINP	NETWORKS PANEL (S-11)	
-	FTYS	TELEMETRY GROUND STATION (CIF)	
	HARDTOP	PAD EGRESS TEAM COMMANDER	
	LIF	LAUNCH . INFORMATION EXCHANGE FACILITY	
	MACE	ACE TEST DIRECTOR, GE	
	чсго	FUEL CELL UNIT 12, 5/C	
	YTP F	NR TEST PROJECT ENGINEER, UNIT 10, S/C	
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SPACE SE VISION	VEHICLE COU AUGUST 22, ORIGINAL	NTDOWN - RESCUE VEHICLE 1973 APOLLO/SATURN	21 PAGE SV=40400 TEST NO. SKYLAB VEHICLE
	PVSS S	NVIRONMENTAL HEALTH ENGINEER Systems safety (pad) Pad test supervisor	· .
		SH COMMANDER ISS HAZARDS MONITOR OPERATOR	
		NATER GLYCOL CONTROL UNIT OPERATOR BLYCOL REFRIGERATION UNIT, S/C	
		U MEASURING GSE STATION S-BAND RADAR AND CCS CHECKOUT	
		BORT MONITOR VISUAL UBSERVER UC-4 (P	AD A);
	Z2 4	JC-12 (PAD B) BORT MONITOR VISUAL OBSERVER UC-16	
	Z3 A	PADS & & B) BORT MONITOR VISUAL OBSERVER UC-17 PADS & 8 B)	×
	₽ROG7AM	COMPUTER PROGRAMS	RUNNING TIME
	FT-25	SC DISCRETE IMPUT TEST	5 MINUTES
	FT-42	PREPARE TO LAUNCH TEST	2 MINUTES, 25 SECONDS
	FT=45	LVDC COMMAND SYSTEM TEST	5 MINUTES
	fT=47	PREFLIGHT COMMAND TEST	6 OR 10 MINUTES (dependent on , Various options)
	19 THIS 1	T CONTAINS ONLY MAJOR COMPUTER PROGRA TCP, REFER TO SUPPORTING COUNTDOWN T PROGRAM INFORMATION,	

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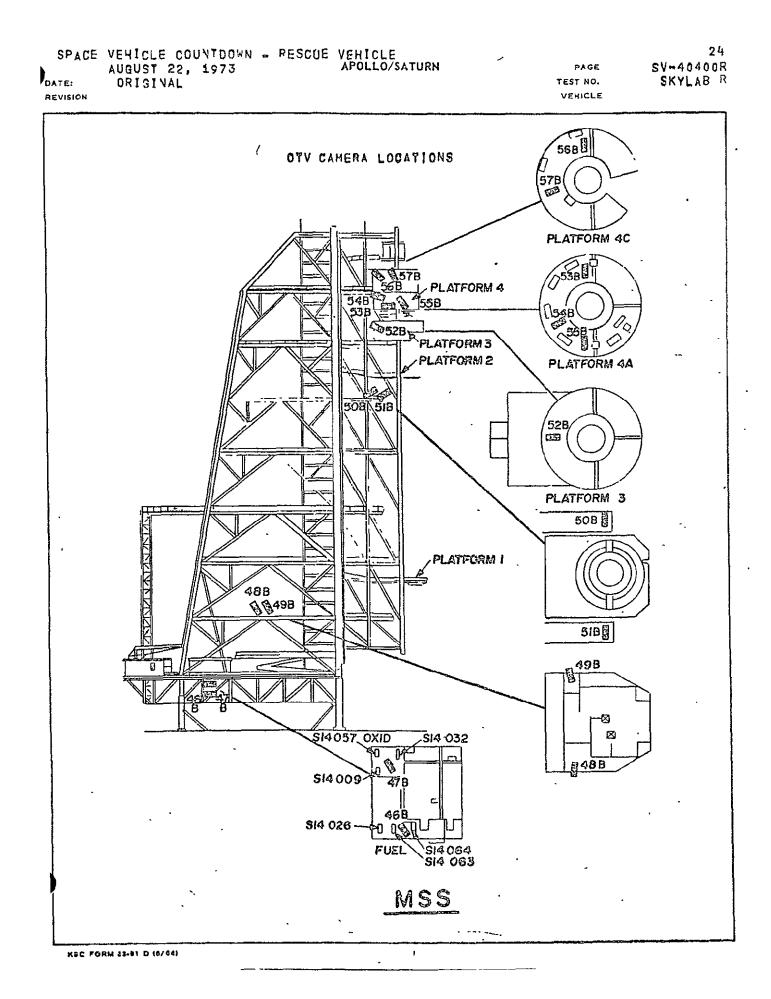
- A	VEHICLE COUNTDOWN - RESCU NUGUST 22, 1973 Original	APOLLO/SATURN	PAGE TEST NO. VEHICLE	SV-4C40 SKYLAB
	A VTO	ND AAS CAMERA LOCATIONS		· .
CAMERA NUMBEP	LOCATION	SUBJEC	I TO BE VIEWED	
		PRIME SWITCHER IN	PUTS	• ;
03B	(NW) PAD APRON	LUT SIDE 31 LO FLAME DEFLECTO HORIZ' RUN AND	X/LH2 DISCONNEC R COOLING WATER VERT; RISERS O	I LUT
<u>n 98</u>	(SE) LUT-1 160' LEVEL	S-IB VEHICLE O Emerg' Egress	VERALLI RP-1 FU	IFL MASTI
10'B	LUT-1 301 LEVEL	S-IR ENG. SERV	ICE PLATFORM	
12R	LUT-1 100' LEVEL	S-IB RP-1 VALV	E. COMPLEX	
16 8	(SW) LUT-1 180' LEVEL	VIEW OF 127' D S/A-14 AND 6; Lox Service Ma	SJIB FIRING ACC	
19B	(E) LUT-1 200' LEVEL	S-IVB LOX/LH2	VALVE COMPLEXE	IWS FOGGI
210	(SW) LUT-1 240' LEVEL	SHIVB LOX/LH2 MSS PLATFORM 2	FILL DISCONNECT	1 S/A=61 8
229	(S) LUT-1 2407 LEVEL	S-IVB LOX/LH2 Umbilicali s/A	FILL DISCONNECT -1A-6-71 S-1B	/ ልዮፕ
248	(S) LUT-1 2601 LEVEL	S-IVB FWD, IU S/Ab6-7-8	UMBILICALI GH2	VENTJ
25 ^R	LUT-1 320' LEVEL	INTERIOR OF WH CM HATCH	ITE ROOM AND SP	ACECRAFT
265	(S) LUT-1 320' LEVEL	S/A=8=9; CM; U Fluid Lines	MBILICAL CONNEC	TIONS;
27R	(SE) LUT-1 360+ LEVE&	S/A=8=9; Q=BAL Egress; fluid		RG¦,
28B	(NW) SIDE OF PAD	LOX STORAGE TA PUMPS	NKS, VALVES, LI	NES,
29B	(NW) SIDE OF PAD	LOX STORAGE TA PUMPS, EMERG,		NES,
31R .	(NE) PAP PERIMETER Site #1	VEHICLE: LH2 F Lines, burn po	ACILITIES - VAL ND	VES,

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DIDE OF PAD PAD APRON AD APRON	INGRESS/EGRESS S-IV8; LOX VEN VEHICLE; LOX V	NNK, VALVES, LIN 5 Elévator entra 175; Oxidizer	
AD APRON	SHIVB; LOX VEN Vehicle; Lox V		NCBI
			n,v⊑J
	OXIDIZEP	ENT VALVES; WAT	ER PIT)
D APRON	PAD SURFACE; V LOX/LH2 FAC;	/EHICLE; SERVICE	ARMS;
AD APRON	LH2 FACILITIES Egress) PAD SURFACE;	INGRESS/
DE OF PAD	VEHICLE VERTIC Service Arms	AL MOTION; DECK	; AND
DF OF PAD	VEHICLE VERTIC Service Arms	AL MOTION: DECK	I AND
00F (SE)	CRAWLERWAY: PA Parksite	VD/LUT-11 VEHICL	E; MSS
DPONTER ROOM	COMPUTER RM, D	TRUNK #1 (FR-2 DATA WILL BE PRO EST CONDITION);	
ORIGINAL PA			
	ORIGINAL PAC OF POOR QUAL	ORIGINAL PAGE IS OF POOR QUALITY	ORIGINAL PAGE IS OF POOR QUALITY

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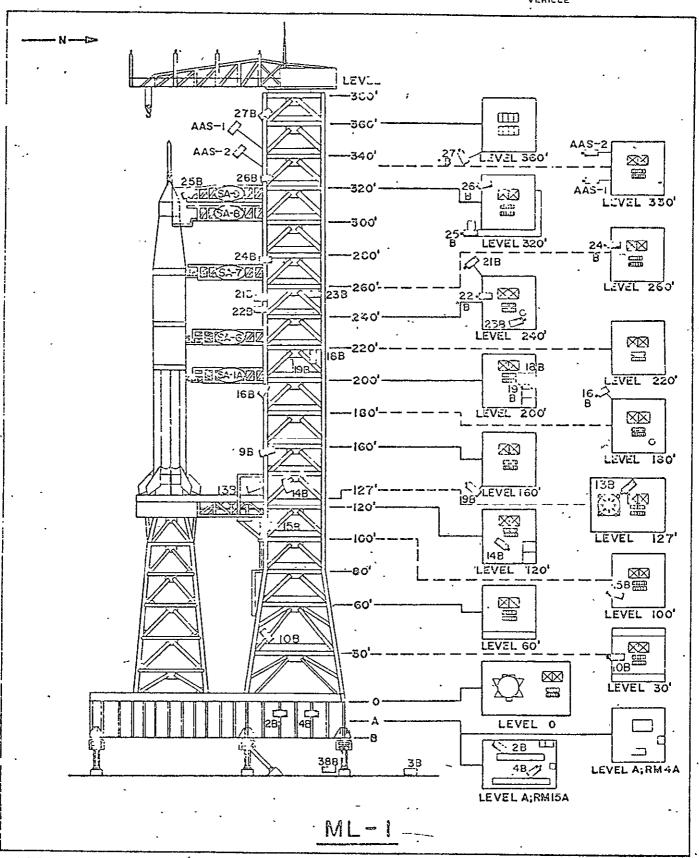


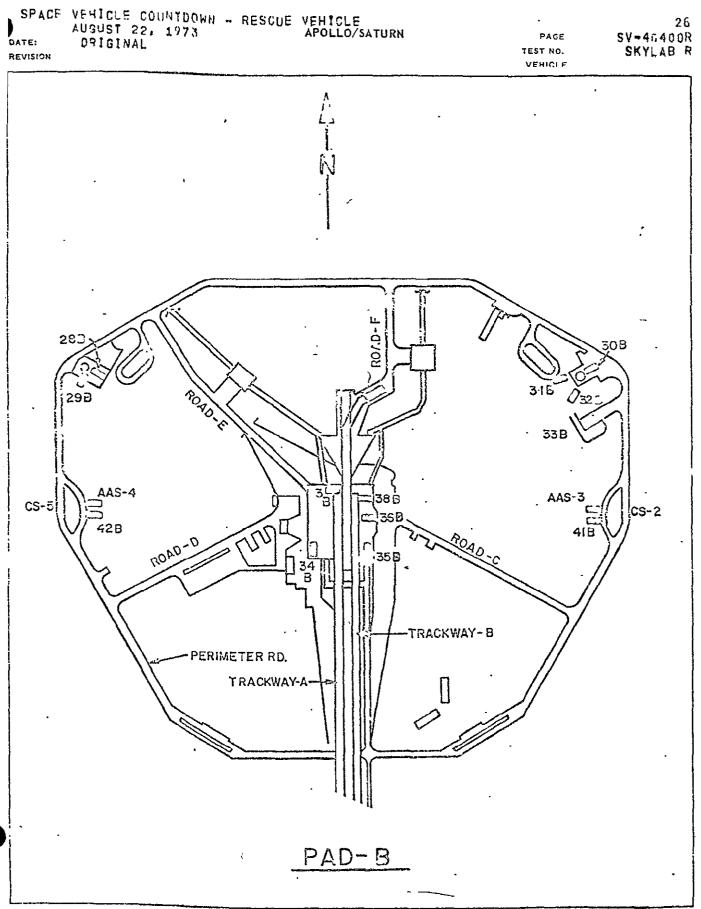
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SFACE VEHICLE COUNTDOWN - RESCHE VEHICLE AUGUST 22, 1973 APOLLO/SATURN DATE: ... ORIGINAL

REVISION

PAGE TEST NO. VEHICLE 25 SV~40400R SKYLAB R





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AUGUST 22: 1973 AUGUST 22: 1973 DATE. ORIGINAL REVISION	IN - RESCUE VEHICLE APOLLO/SATURN	PAGE TEST NO." VEHICLE	27 SV-40400R SKYLAB R
	LIST OF ABBREVIATIONS/ACRONYN	15	
AAC AAS ACE ACS AFETR AIJ ALC ALDS ALSA AM APS ATYDC	ABORT ADVISORY CHANNEL ABORT ADVISORY SYSTEM ACCEPTANCE CHECKOUT EQUIPME ASTRO-COMMUNICATION SYSTEM AIR FORCE EASTERN TEST RANG ABORT INTERFACE UNIT ASTRO LAUNCH CIRCUIT APOLLO LAUNCH DATA SYSTEM ASTRONAUT LIFE SUPPORT ASSE AMPLITUDE MODULATED; AIRLOG AUXILIARY PROPULSION SYSTEM APOLLO TELESCOPE MOUNT ATM DIGITAL COMPUTER	SHBLY	-
ap Bdc	BOILERPLATE Roost protective cover		
CADFISS CASTS CB CBRM CCATS CCC CCF CCS CAD CD CD CD CD CD CD CD CD CD CD CD CD CD	COMPUTATION AND DATA FLOW I COUNTDOWN AND STATUS TRANSF CIRCUIT BREAKER CHARGER BATTERY RELAY MODUL COMMUNICATIONS, COMMAND, AM COMPLEX CONTROL CENTER CONVERTER COMPRESSOR FACILI COMMAND COMMUNICATIONS SYST CONTROL AND DISPLAY (ATM) COUNTDOWN CENTRAL DISTRIBUTION AND SY COUNTDOWN CLOCK COUNTDOWN CLOCK COUNTDOWN DEMONSTRATION TES CONFINED DETONATING FUSE COUPLING DATA UNIT CREW COMPARTMENT FIT AND FU CHANNEL CENTRAL INSTRUMENTATION FAC COMPOTER INTERFACE UNIT COMMAND CONTROL MOMENT GYRO SUBSYST CREW OPTICAL ALIGNMENT SIGN COMMINICATION CHECKOUT COMMAND RELAY DRIVER UNIT CONTROL RATE GYRO CATHODE RAY TUBE CRYOGENIC CRAWLER/TRANSPORTER CAUTION AND WARNING	AITTING SYSTEM TELEMETRY SY TEM NITCHING CENTER ST JNCTION CILITY TEM	STEM

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DATE REVISION	VEHICLE COUNTDORN - August 22, 1973 Original	RESCUE	VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	28 SV-40400F Skylab F
	DA DADE DAS CAS DC DC DCS DDAS DFE DPDM DPF DRSCS DRSCR DFC DTCS DTAS DTS DTVC DUA	DIGITAL DATA AL DESIGN DIRECT DIGITAL DIGITAL DIGITAL DIGITAL DIGITAL DIGITAL DIGITAL DIGITAL DIGITAL DIGITAL	CURRENT COMMAND SYSTEM DATA ACQUISITION SYST EVENTS EVALUATOR PULSE DURATION MODULAT INTIAL PRESSURE FEEDBAC RANGE SAFETY COMMAND RANGE SAFETY COMMAND TEST CONTRACTOR OR CEN TEST CONTRACTOR OR CEN TEST CONTRACTOR OR CEN TEST MONITORING SYSTEM TRANSMISSION SYSTEM TRANSMISSION AND VERIN UPLINK ASSEMBLY	EM 10N K System Receiver Ter	
	EBVCSCS ECCS ECCS ECCS ECCS ECCS ECCS ECCS	ENVIRON ENVIRON EXPERIM EMERGEN ELMERGEN ELMERGEN ELCTRIN ELCTRIN ELCTRIN ELCTRIN EASTERN	VE BRIDGE WIRE IMENTAL CHAMBER IMENTAL CONTROL SYSTEM IENT DEVELOPMENT CENTER ICY DETECTION SYSTEM ICY EGRESS AIR PACK DMIC GROUND AUTOMATIC DE IENT INTEGRATION CENTER IGAECHANICAL IMAGNETIC COMPATIBILITY IENT POINTING CONTROL CAL POWER SYSTEM ENT REQUIREMENTS DOCUME ESOURCES EXPERIMENT PAC CAL SUPPORT EQUIPMENT SERVICE PLATFORM ENT SUPPORT SYSTEM TEST RANGE HICULAR ACTIVITY	ENT	em _
	FAS FCC FDS FM FMS FR FSRT FT FTR FWN	FLIGHT FLUID D FREQUEN FOOD SE FIRING FLIGHT FUNTION	IRLOCK SHROUD CONTROL COMPUTER (LV) ISTRIBUTION SYSTEM CY HODULATION RVICE MANAGEMENT (OWS) ROOM (LCC) SYSTEMS REDUNDANCY TEST AL TEST, FOOT EST RACK	, , .	

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SPACE DATE- REVISION	VEHICLE COUNTDOWN - August 22, 1973 Original	RESCUE VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	29 SV-40400R Skylab R
	GAC GET GETS GHE GHE GHE GHE GHT GSFC SN2 SN2 SN2 SN2 SN2 SN2 SN2 SN2 SN2	GUIDANCE AND CONTROL GROUND ELAPSED TIME GROUND EQUIPMENT TEST SET GASEOUS HELIUM GASEOUS HYDROGEN GRAPHITE LM FUEL CASK GREENWICH MEAN TIME GODDARD SPACE FLIGHT CENTER GASEOUS NITROGEN GASEOUS CXYGEN GROUND SUPPORT EQUIPMENT		
	HCD HDA HGDS HOSC HFG HSS HVAC H2D HZ	HARVARD COLLEGE OBSERVATORY HOLDDOWN ARM HAZARDOUS GAS DETECTION SYST HUNTSVILLE OPERATIONS SUPPOR HIGH PRESSURE GAS HABITABILITY SUPPORT SYSTEM HEATING, VENTILATING, AND AD HYDROGEN WATER HERTZ (CYCLES PER SECOND)	RT CENTER	
	ID IEU IGOR ILCA IMU IP IRIG IVA IWS	IDENTIFICATION INTERFACE ELECTRONICS UNIT INTERCEPT GROUND OPTICAL REC INVERTER LIGHT CONTROL ASSEN INERTIAL MEASURING UNIT IMPACT PREDICTOR INERTIAL RATE INTEGRATION GY INSTRUMENT UNIT INSTRUMENT UNIT INTEA VENICLAR ACTIVITY INDUSTRIAL WATER SYSTEM	IBLY (AM/MDA)	
	<sc LPNP LBR LCC LCC LCC LCG LCG LCG LCG LCG LCG LCG</sc 	KENNEDY SPACE CENTER LOWER BODY NEGATIVE PRESSURE LOW BIT RATE LAUNCH COMPLEX LAUNCH CONTROL CENTER LIQUID COOLED BARMENT LIQUID HYDROGEN LAUNCH INFORMATION EXCHANGE LAUNCH OPERATIONS MANAGER LIFTOFF LIQUID CXYGEN LOW PRESSURE LAUNCH READINESS REVIEW		
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SPACE TE- VISION	VEHICLE CUUNTDOWN - August 22, 1973 Original	RESCUE VEHICLE APOLLO/SATURN	PAGE , TEST NO VEHICLE	30 SV+40400R SKYLAB R
	LSC LSC LSC LSC LSC LVT LV LVDA LVDA LVDC LVO	SPACEGRAFT OPERATION (OFFICE LINEAR SHAPED CHARGE LAUNCH SUPPORT EQUIPMENT LAUNCH SITE RECOVERY LAUNCH UMBILICAL TOWER LAUNCH VEHICLE DATA ADAPTER LAUNCH VEHICLE DIGITAL COMPU LAUNCH VEHICLE OPERATIONS		
• .	4AP 4CC 4DA 4DF 4H7 41LA 41TTS 4L 40DE4 40DE4 40TS 4SFC 4S0R 4SS	MESSAGE ACCEPTANCE PULSE MISSION CONTROL CENTER MULTIPLE DOCKING ADAPTER MILD DETONATING FUSE MEGALHERTZ MERRITT ISLAND LAUNCH AREA MOBILE IGOR TRACKING TELESCO MOBILE LAUNCHER MODULATOR/DEMODULATOR MOBILE OPTICAL TRACKING SYST MARSHALL SPACE FLIGHT CENTER MANNED SPACECRAFT OPERATIONS MOBILE SERVICE STRUCTURE	EM	
	DA DAT D2 DIS DICC DICC DICC DV DWS	ORBITAL ASSEMBLY OVERALL TEST OXYGEN OPERATIONAL INTERCOMMUNICATI OPERATIONS INTERFACE CONTROL OPERATIONAL TELEVISION ORBITAL WORKSHOP		
	PAM PCG PCM PCMD PCS PDS PDS PDS PI PREPS PS PSI PTCR PTCS	PUBLIC ADDRESS PULSE AMPLITUDE MODULATION POWER CONDITIONING GROUP (AM PULSE CODE MODULATION PARTICLE COUNT MONITORING DE POINTING CONTROL SYSTEM (ATM PROPELLANT DISPERSION PROPELLANT DISPERSION SYSTEM PRINCIPAL INVESTIGATOR PREPARATIONS PAYLOAD SHROUD POUNDS PER SQUARE INCH PAD TERMINAL CONNECTION ROOM PROPELLANT TANKING COMPUTER	V-ICE 17	

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SPACE DATE: REVISION	VEHICLE COUNTDOWN - August 22, 1973 Opiginal	RESCUE	VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	31 SV040400R SKYLAB R
		0011 • 7	Y CONTROL		
	ጋር ጋD		DISCONNECT		
	JLDS		LOOK DATA STATION		
	RACS	REMOTE	AUTOMATIC CALIBRATION SY	STEM	
	9CS		ON CONTROL SYSTEM		
	яF		FREQUENCY		
	RICS		INSTRUMENTATION CONTROL S	SYSTEM	
	RLC		NG LITTER CHAIR .		
	₹P <u>~1</u>		PROPELLANT - 1		
	ROTI		ING OPTICAL TRACKING INST	RUMENT	
	">SCR		SAFETY COMMAND RECEIVER		
	320		SAFETY OFFICER		
	285	-	FRATION SUBSYSTEM		
	ЧĨС.		IME COMMAND	•	·
	RICC		IME COMPUTER COMPLEX (MCC		
	PTCS (REAL	IME COMPUTER SYSTEM (AFET	R)	
	52A	SAFE AL			
	SA.	SERVIC			
ł	SAL		IFIC AIRLOCK		
			ARRAY SYSTEM		•
	SAWS		ARRAY WING SIMULATOR		
	SC	SPACECI			
	SCAPE		ONTAI'ED ATMOSPHERIC PROT	ECHIVE ENSI	EWRLE
	500		RAFT OPERATIONS	' 1 4	
	SCS		IZATION AND CONTROL SYSTE	. *1	
	SHE		RITICAL HELIUM		
ļ	SIM -SIT	SIMULA	RE INTEGRATED TEST		
	SLCC .		LAUNCH COMPUTER COMPLEX		
	SLDS		LAUNCH DATA SYSTEM		
	SLR		RESCUE		
	52 (GRIEAD			t

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SPACE DATE: REVISION	VEHICLE COUNTDOWN - August 22, 1973 Original	RESCUE VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	32 SV-404JOF SKYLAB F
-	SRO STC STDN STS SV SWS S-IB S-IC S-II TACS TCE TCH TCP TCS	SUPERINTENDENT OF RANGE OPERAT SPACEGRAFT TEST CONDUCTOR SPACEGRAFT TRACKING AND DATA N STRUCTURE TRANSITION SECTION SPACE VEHICLE SATURN WORKSHOP SATURN WORKSHOP SATURN 18 LAUNCH VEHICLE SATURN V 1ST STAGE SATURN 2ND STAGE THRUST ATTITUDE CONTROL SUBSYS TELEMETRY CHECKOUT EQUIPMENT THRUST CHAMBER TEST AND CHECKOUT PROCEDURE TERMINAL COUNT SEQUENCER; THER	ETHORK	- System
	TDDS TD9 TM TRS TS4 TTY	(ATM) TELEVISION DATA DISPLAY SYSTEM TIME DOMAIN REFLECTOMETER TELEMETRY TIME REFERENCE SYSTEM TAIL SERVICE MAST TELETYPE	I	· · ·
·	UDL UHF UHB ISB JV	UP&DATA LINK ULTRA HIGH FREQUENCY UMBILICAL UNIFIED S&BAND ULTRAVIOLET		
	VAB VCG VHF VLF VMGSE	VEHICLE ASSEMBLY BUILDING VECTORCARDIOGRAM VERY HIGH FREQUENCY VERY LOW FREQUENCY VEHICLE MEASUREMENT GSE		
	WCIU WITS Ams A/R	WORKSHOP COMPUTER INTERFACE UN West Integrated test stand Waste Management System (OWS) White Room	IT	
	7-LV	Z-AXIS PARALLEL TO LOCAL VERTI	CAL	

	VEHICLE COUNTDOWN - August 22, 1973 Original		PAGE C TEST NO. VEHICLE	33 8 V-4 0400R Skylab R
	,	SELECTED HOLD PO	INTS	
POINTS LAUNCH PE MAY	IN THE COUNTDOWN N OPERATIONS MANAGE FLECT TO HOLD THE	FOR ALL VEHICLES, TH R WILL OUTAIN THE STA	TUS OF THE MCC OPERATIONS; NG PROBLEMS (IN & NO-GO	
	ACC STATUS REPORT T-TIME DAYS HPS MIN SEC	TFTIME	EVENT	
	07 05 00	06 50 00	LV CRYO LOADING	
	5 MINUTLS BEFORE END OF HOLD AT T-3 30 10	03 15 00	FLIGHT CREW LEAVES MSO	 B
	n1 00 00	04 45 00	RETRACT ACCESS ARN (TO PARK POSITION	I
	00 20 00	00 14 30	LV TERMINAL SEQUENCE Hold point	
	00 06 DS	00 03 07	START AUTOMATIC LAUNCH Sequence	

DATE: REVISION	VEHICLE COUNTDOWN AUGUST 22, 1973 ORÍGINAL	APOLLO/SATURN '	PAGE TEST NO. VEHICLE	SV-4040 SKYLAB
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 DATE: 03IGINAL

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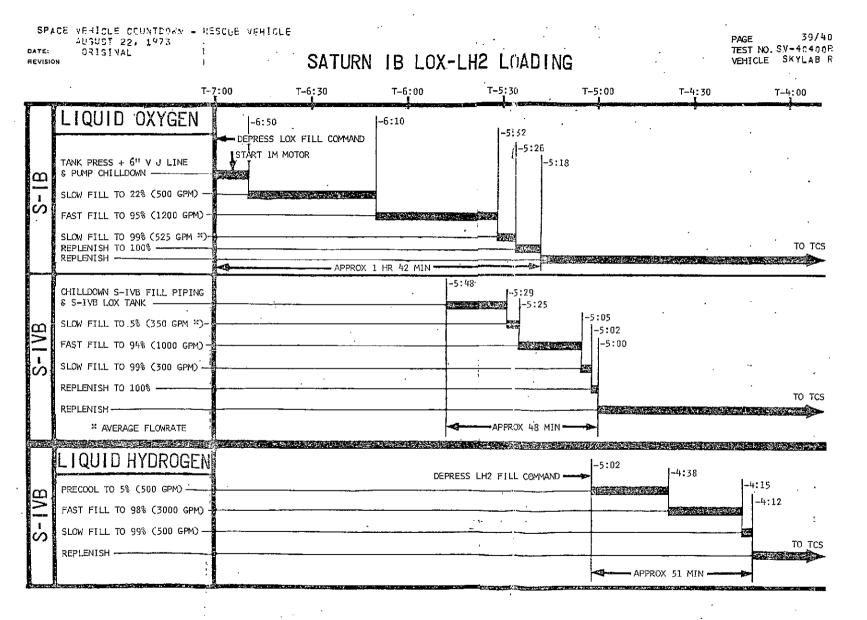
·. ·.	35/36
PAGE	SV-40408
TEST NO.	SKYLAB R
VEHICLE	

SPACECRAFT LAUNCH CLOSEOUT MAN PAD -3:30 -3 HOURS 7 (100 AS -2.30-1.30 -1 HOUR -30 MIN 1 L/Y CRYOGENIC LOADING CLOSEOUT CREW TO PAD OPEN HATCH & PREP CALIN CREW INCRESS FRAL CABIN PREPS. GTE CLOSE HATCH CABIN PURGE & LEAK CHECK A Property of the CLOSE BPC & SECURE W/R ELEY, NO. VEHICLE NO. CLEAR PAD SPAD 1 BSPT 1 1 CLOSEDUT SGOC 1 2 '///**//**//SS CREW SCMT 1111 200000000 3 Z AZZZ 3 3 SSSB з 1 SCDR 1 з ASTRONAUTS SPLT 1 з SSPT з 1 SECURITY VAN DRIVER з VAN SECURITY ESCORT ≣ 6/9 ML ELEVATOR NO. 1 ML LEVEL 320 ML LEVEL A ML ELEVATOR NO. 2 ML LEVEL 320' ME LEVEL LO-RISE ELEVATOR (WEST PAD APRON) ML LEVEL ł PAD APRON A PERSONNEL WILL REPORT IN TO CVTS UPON ENTERING AND PHOR TO EXITING ML (HI-RISE) ELEVATORS VIA POINT TO POINT PHONE. REPORT IN TO PAD LEADER. 3. PERSONNEL ON PAD APRON OR IN LO RISE ELEVATOR WILL R'SPOND TO EMERGENCY PAGING DIRECTIONS FROM CVTS. PAD APRON ML LEVEL 90 ML LEVEL 320 4. ALL THREE CREWMEN WILL BE TRANSFERRED TO THE LEVEL 320" SIMULTANEOUSLY. SCOR & SPLT WILL EXIT ELEVATOR WITH SSSA AND PROCEED TO W/R. SSPT & SSSB WILL REMAIN IN ELEVATOR UNTIL REQUIRED AT S/C. A SEAT WILL BE PROVIDED IN ELEVATOR FOR SSPT-💭 IN TRANSIT IN ELEVATORS UPON DIRECTION FROM MSTC, CYTS WILL NOTIFY SSSB VIAIPOINT TO POINT PHONE TO TRANSFER SSPT TO W/R. *= ELEVATORS IN EGRESS MODE /S. LOW RISE ELEVATOR MUST COME TO A COMPLETE STOP BEFORE INHER COOR IS OPENED. - ELEVATOR IN NORMAL MODE IN TRANSIT VEHICLE NO. 1 6. VAN DRIVER WILL REPORT TO CATS VIA NET 105 UPON INTRANCE TO THE PAD. IN TRANSIT VEHICLE NO. 2 7. UPON COMPLETION OF L/V CAYOGENIC LOADING CYTS WILL NOTIFY SAFETY TO DISPATCH VEHICLES 1, AND 2 FROM MSS 🛎 IN TRANSIT VEHICLE NO. 3 (TRANSFER VAN) PARKSITE [ROADBLOCK A 5] TO THE PAD. 8. VAN DRIVER WILL BE RELEASED TO EXIT PAD BY CVTS AFTER SSSB REPORTS ASTRONAUTS ARE AT THE 320 FT LEVEL (PT. TO PT.) STO WILL SEND ELEVATOR NO. 2 TO THE 32D FOOT LEVEL UNOCCUPIED. FOLDOUT FRAME

FOLDOUT FRAME

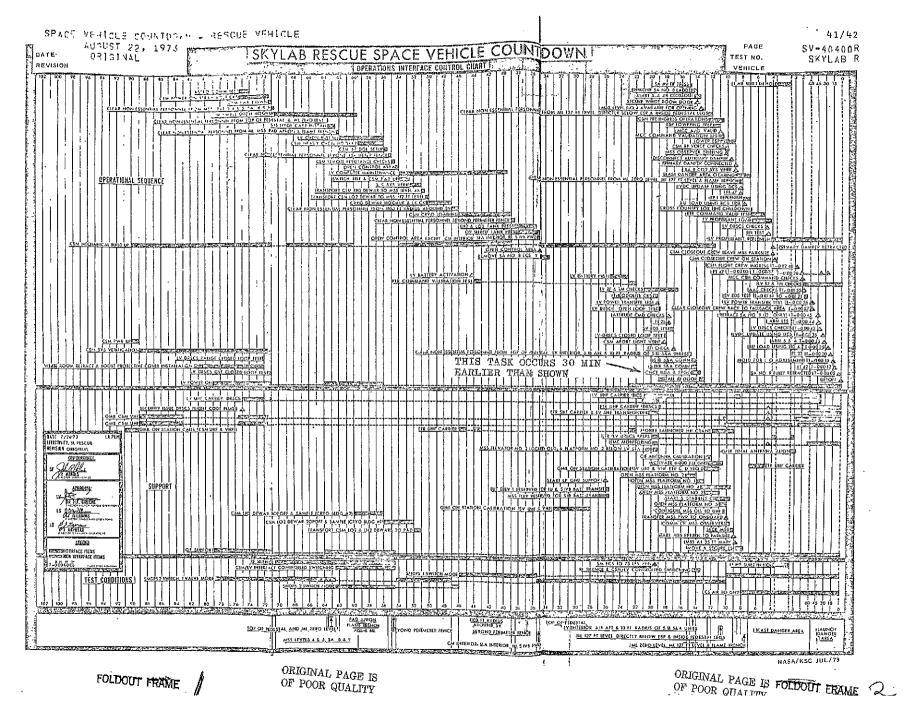
ERAME	DA	SCUE SPAC NE: 22 AUG VISION: 0	SUST 1973	3			,				SKYLA	B LAUNC				 							TEST N	E: 27/28 D: SV40400R E: SXYLAB R		
							-		S	V (CD	RF	- A	$A_i \Delta$	Ĩ	XIX							SPACE VE	hicle tm i	REQUENCIES	s
REMARKS							V		·.				1	, j	- F.	SM					REMARKS	ST	AGE	LINK	FREQUENCIE	ES(
LV	<u>10-00</u>	s	DR	SCS	RADAR	HEACON			TEL	/HF Emetry				4 F 6.4		SIMPLEX 7 8 96.8 259	4	R		-	SC		S-18	61-1 62-1	240. 2 255, 2	
UP-LINK FREQ.MHZ. DN-LINX FREQ.MHZ	450.			50.0	589 578	35,0	240.2	256.2 25	8.5 250	.7 255.1			2272.5 GMIL	2287.5	- 12	96.8 259 Mil. EM	1.7 296.8	259.7			UP-LINK FREQMINZ DN-LINK FREQMINZ		5-1VB	CP-1		
SUPPORT	GMIL ETI	RECCAL	E1%	LUCAL		, LOCAL				_			-3.12 5			-	-3 19-5				SUPPORT		ເນ	CF-1 DP-1	250, 7 255, 1	
			-										A } } }	,								C	SM		2287,5 2272,5	
DRSCS PREPS				-3 117 05									-3.17.13	.		4						F (RECOVERY BEACI CSM	DNS	243.0	
DRSCS GSE CLOSED LOOP YEST				-3 05 09											•						-					
DRSCS RANGE CLOSED LOOP TEST				-30420 -30420													-142.11									
CLOSED LCOP TEST				-3 02 00										13-35 ****		<u>T</u>		365			RF CHECXOUT EFS UDL TEST					
SY DRONANCE OPERATIONS								-2 22 30					-2	230 2020			-2123 30				SY ORDHANCE OPERATIONS					
	-1 09 05					,		-2 03 30 -1 0	07 05	D.			-1 29 0.5		· · ·		-1 09 05	983								
	-1 84 00 -8 23	50	-0 23 60			i	ارتشات		4730 - 194 84 60				200 -1.010		•	<u>uşarı</u> 	-104 00									
DASCS PREPS				0 22 05								· ·			, .	•										
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		-0 19-23	5 n 20 n 20	3-0 17-12	-0 19-43	rr's									i							LEGE	ND			
POWER TRANS TEST PRICS OPEN LOOP TEST PRICS CLOSED LOOP TEST	ц ц	0 13 16	-0 13 55	-0 18 55		1.5																	ALL RADIATION	I CLEARANCE ARE	OPEN	
		-0-17 48	1												;								C CLOSED F	DOP CLEARANCE		
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OPERATIONS	- <u></u>						अस्टिव स्टब्स्ट	1-1 1-2	113 S			14 00	-0135 634-0		****		-0135	1333							ISED UNLESS REQUI	
	50 7 19195- 12222 - 21						Δ			× ≥				Å	- T							0	REQUIRED FC	r MCC COMMAN	D VALIDATION TEST	ST
	-010 40	1.00			.			-0	11 DS		1		<u>क</u> ्र हु	% -₩-0-10-10			>-0:10.35	1330	0 10 40		r.	1	🔊 REQUIRED FC	R CIF ANYENNA (ALIBRATION	
		-0.03.55																1					-		VTENNA ALIGNMENT VALIDATION TEST	
HOUSTON PREFLIGHT CORMAND SYSTEM TEST	-0.07.25	د ז 10 0 -					-								ŀ											
	-00	<u>.</u>	-0 07 00	2									المراجع المراجع المراجع المراجع				가는가 북송공				RF CHECK					
DÉSCS CLOSED / OFP 79	n <u>-00</u>	s ca	i D C OS CO					-0 35 05		91.00							1. S. C.									
D ⁵ SCS CLOSED LOOP TE RF COMPATIBILITY TEST	-80 -00		-0 C4 32	ــــــــــــــــــــــــــــــــــــــ	-0 04/32	••	<u> </u>	-0 9: 37	010320	-0 03 3				22	· .											
, DRSCS CLOSED LODP	90	2.11 _0 02 0Å	-0 0Z-11	1				-0 (2) -0	DA3 #3	-0636			- 01,0	8 -											•	
DRSCS CLOSED LOOF	-80	3 PG		0 _0 @ 05	-081 15		握			138 			بر الم بر بر	4 ·				1.63								
CUSTON PREFLIGHT	-	-0 07 38		2 0 .	<u></u> +-"`;	к. Э. Ц.		$ \cdot $	\ الت - ا						<u></u>						LIFT OFF	-				

FOLDOUT FRAME



EOLDOUT FRAME

FOLDOUT FRAME



SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE: AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPERATIONS

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PAGE 43 Test no SV-40400R vehicle SKYLAB R

TIME	COMM. CH.	SEQUENCE	COMMAND STA.	STA. DESCRIPTION		REMAR
		-				
				OPERATING STEPS	•	
				**************************************		·
				* IN THE EVENT AN *		
				* EMERGENCY ARISES DURING *		
				" THE RESCUE SPACE "		
			•	* VEHICLE COUNTDOWN, THE *		
				* SPACE VEHICLE TEST		
				<pre># SUPERVISOR EMERGENCY # # PROCEDURES, TCP NO. #</pre>		
				" SV-46101, SHALL BE		
				* IMPLEMENTED. *		.
				¥ ¥ ¥		1

				NOTE		
				HAZARDOUS OPERATIONS ARE		
				DENOTED WITH THE LETTER "H" IN THE REMARKS COLUMN.	•	
				H IN THE REMARKS COLUMN.		
				NOTE	_ ·	•
-						
				HOLDS (STOPPING THE COUNTDO	WN	
				CLOCK PRIOR TO T-3' 8"). A		
				HOLD MAY BE REQUESTED BY TH]
				LAUNCH VEHICLE TEST CONDUCT		
				THE SPACECRAFT TEST CONDUCT		
				THE LAUNCH OPERATIONS MANAG GMIL, THE TEST SUPPORT CONT		
				THE SUPERINTENDENT OF RANGE		1
	DRIGIN	AL PAG		OPERATIONS, OR THE FLIGHT		
	OF POO	R QUAL	E IS	DIRECTOR. THE REQUEST FOR		
ĺ	<u>-</u> + vu	n QUA	лтү	HOLD WILL BE MADE TO THE TE		ļ
				SUPERVISOR (CVTS) OVER CHAN		1
			[181, WHO WILL STOP THE COUN CLOCK AT THE MOST ADVANTAGE		
		ł		TIME.		
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EVISION ()	RIGINA			OFFICIAL CE		EHICLE	\$V-40400 SKYLAB
TIME	CH	SEQUENCE	COMMAND STA.	STA.	DESCRIPTION		REMARKS
,					NOTE		
					PRIOR TO BURN POND IGNITION, APPROVAL MUST BE RECEIVED FROM CPSS THAT THE BURN POND AREA IS CLEAR OF ALL PERSONN AND THE GATES TO THE AREA ARE LOCKED.		
91:05 3 DAYS 19 HRS 5' 0"		-			•		-
	181	1	сутѕ	GMIL SRO	VERIFY READY TO PROCEED WITH PRECOUNT OPERATIONS.		
	181	2	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR CO FREQUENCIES 2106.4, 2272.5, 2287 259.7 AND 296.8 MHZ FOR GMIL ON- STATION CALIBRATION.		
)1:00 5 DAYS 19 HRS 0' 0"						- pr	-
	131 EM PA	1	сутѕ		THE RESCUE SPACE VEHICLE PRECOUNT OPERATIONS AT PAD B WILL START ON MARK AT T-3 DAYS, 19 HOURS, 0' 0'	I MY	
					5 - 4 - 3 - 2 - 1 - MARK.		
	181	2	GMIL	CVTS	VERIFY RADIATION CLEARANCE FOR ON-STATION CALIBRATION.		
			;				
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973

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KSC FORM 23 818 (REV 4/71)

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 DATE: REVISION OR IGINAL

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TIME

LÍ			LAUNCH OPERATIONS	IESI NU
				VEHICLE
SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION	
	,			

-90:3 -3 DA 18 H 30'	YS RS		,		•	
	181	1	CVTS	стѕс	VERIFY ALL REQUIRED PERSONNEL AND EQUIPMENT ARE ON STATION READY TO SUPPORT TEST OPERATIONS.	
	181	2	CVTS	LOM	PLACE THE CAMERA OVERRIDE CONTROL SYSTEM OVERRIDE SWITCH ON CONSOLE AB-8 IN THE OFF POSITION AND VERIFY.	
	181	3	сутѕ	стѕс	CAMERA OVERRIDE CONTROL SYSTEM OVERRIDE SWITCH ON CONSOLE AB-8 IS IN THE OFF POSITION.	•
	-	,			ACTIVATE THE CAMERA OVERRIDE CONTROL SYSTEM.	
•		-			PLACE THE CAMERA OVERRIDE CONTPOL SYSTEM IN MODE I.	
	181	4	стѕс	сутѕ	CAMERA OVERRIDE CONTROL SYSTEM ACTIVATED IN MODE I.	
	181	5	CVTS	LOM	VERIFY CAMERA OVERRIDE CONTROL SYSTEM MODE I LIGHT ON.	
	181	6	CVTS	стѕс	CAMERA OVERRIDE CONTROL SYSTEM MODE I LIGHT ON.	
					NOTE	
					MODE I CAMERAS, WHICH ARE TO BE USED ONLY IN AN EMERGENCY, WILL BE AVAILABLE TO LOM THROUGHOUT THE COUNTDOWN.	
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KSC FORM 23-818 (REV 4/71)

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NASA-KSC-COML APR/71

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PAGE 45

REMARKS

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE: AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPE LAUNCH OPERATIONS

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PAGE

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46 TEST NO SV-40400R SKYLAB R

EVISION O	RIGINA				LAUNCH OPERATIONS	VEHICLE	ŠKYĽÁB
TIME	COMM. CH.	SEQUENCE	COMMAND STA	RESPONSE STA,	DESCRIPTION		REMARKS
90:30 3 DAYS 18 HRS 30' 0"	CONTI	NUED			, , ,		
	181	7	сутѕ	CLTC	VERIFY THE SMDPS IS IN THE 2- 1-VALVE MODE.	SWITCH,	
			•		VERIFY SLA AIR AND GN2 PURGE TEMPERATURE CONTROLS ARE SET 67 DEG. F.	то	
	181	8	CVTS	мѕтс	VERIFY READY TO PROCEED WITH OPERATIONS.	PRECOUNT	
	181	9	MSTC	CVTS	POWER WILL BE APPLIED TO THE APPROXIMATELY 30 MINUTES.	CSM IN	
					VERIFY SMDPS IS IN 2-SWITCH, MODE.	1-VALVE	
	-				VERIFY SLA AIR AND GN2 PURGE TEMPERATURE CONTROLS ARE SET 67 DEG. F.	то	
90:05 3 days 18 hrs		-			· · ·		
51 01							
	181	1	CVTS	CLTC	VERIFY READY TO PROCEED WITH OPERATIONS.	PRECOUNT	
	181	2	CVTS	CPSS	VERIFY SAFETY HAS CONTROL OF PROPELLANT DISPERSION ENABLE AND TCS KEYS.	тне `	
					VERIFY READY TO PROCEED WITH PRECOUNT.	ТНЕ	
	4				·		
						1	

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KSC FORM 23 BIB (REV 4/71)

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ISION O	RIGIN	AL			LAUNCH OPERATIONS	SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
89 15 3 days 17 Hrs 15! o"			•			
	ī8i	1	GMİL	CVĩS	ONESTATION CALIBRATION IS COMPLETE! GMIL RF IS OFF!	
	ī8í	2	CVTS	SRO	GMIL ON-STATION CALIBRATION IS Complete: GMIL RF IS OFF:	
89 00 3 DAYS 17 HRS 07 0"	~		-			
	ī81	1	MSTC	C ប្ រី S	CSM POWER IS ON'	
84 00 3 DAYS 12 HRS 01 01				•	· · · · · · · · · · · · · · · · · · ·	
	ī8i	1	MSTC	CVTS	REQUEST COSS CLEARANCE TO FLOW GO2 AND GH2	
					REQUEST GH2 HAZARD MONITOR SYSTEM BE ACTIVATED.	
					HAVE SENZ REPORT TO MTPE ON CH. 222.	
	1 81	5	CVTS	ETSC	ACTIVATE GH2 HAZARD MONITOR SYSTEM. Have Sehz Report to MTPE on CH. 222.	
	ĩ81	3	CTSC	CVTS	GH2 HAZARD MONITOR SYSTEM IS ACTIVE,	
	ī81	4	CVTS	CPSS	VERIFY CLEARANCE TO FLOW GO2 AND GH2	
	181	5	cvts	MSTC	CLEAR TO FLOW GOZ AND GH2.	н
•				-	GH2 HAZARD MONITOR SYSTEM IS ACTIVE.	

KSL FORM 73 HIB (FTV 4/71)

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TIME	сомм	SEQUENCE	COMMAND		DESCRIPTION	REMARKS
	СН,		STA.	STA.		
			•		-	
83 15						
3 DAYS 11 HRS						
15, 01						
	ĩ81	1	CLTC	CYTS	SAGO WILL BE PRESSURIZED IN 15 MINUTES!	
					THERE WILL BE NO ACCESS ACROSS THE EC/SC INTERFACE FOR APPROXIMATELY 15	
					MINUTES; CLEARING WILL BE CONTROLLED	
					BY SERVICE ARM PERSONNEL.	
	181	2	ÇVŸS	MSTC	SAUS WILL BE PRESSURIZED IN 15 MINUTES!	-
					CLEARING WILL BE COORDINATED BY SERVICE ARM PERSONNEL LOCALLY.	
3 00						
3 DAYS 11 HRS						
01 01					•	
	ĩ8ĩ	1	CLŤC	CVTS	LV APPLYING POWER.	
					· · · · · · · · · · · · · · · · · · ·	
82 30					<i>x</i>	
3 DAYS 10 HRS						
301 04					· · ·	
	181	1	CVYS	CLTC		
•				MSTC	VERIFY READY FOR SAGO ENVIRONMENTAL CHAMBER DISCONNECTION IN 1 HOUR,	
						•
		}				'
. :						
					-	
ĺ					ORIGINAL PAGE IS OF POOR QUALTER	·
					OF POOR QUALITY	
		1.				

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE PAGE •

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T1117	COMM.	crourses	COMMAND		NECOLIDION VEHICLE	DEALADKE
HME 	CONT I	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
					NOTE THE CONNECTION/DISCONNECTION OF THE SERVICE ARM NO. 9 ENVIRONMENTAL CHAMBER REQUIRES TBC PERSONNEL TO OPERATE THE SYSTEM AND 10M PERSONNEL TO PROVIDE THE GROUND COMPUTER AND ASSOCIATED SUPPORT EQUIPMENT. SCHEDULING OF THIS OPERATION WILL BE COGRDINATED THROUGH THE DLO DAILY STATUS MEETING AND WILL APPEAR ON THE LC-39 72 HOUR/S1 DAY OPERATIONS SCHEDULE, WHEN POSSIBLE, IT WILL BE ON FIRST SHIFT IN ORDER TO PROPERLY UTILIZE PERSONNEL AND EQUIPMENT AVAILABLE. IN EMERGENCY REAL TIME SITUAL TIONS WHEN TBC AND IBM	
-82 20 -3 DAYS 10 HRS 201 0		1	cltc.	ĊVĨS	PERSONNEL ARE NOT ON DUTY, LV MUST HAVE AT LEAST & HOURS NOTICE TO SUPPORY WHITE ROOM OPERATIONS AND IT HUST BE COORDINATED WITH THE TEST SUPERVISOR; LV POWER IS ON;	

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DAIE AUGUST 22, 1973 ORIGINAL LAUNCH OPERATIONS REVISION

PAGE TEST NO

VEHICLE

49 SV-40400R

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TILLE	COMM.	SEQUENCE	COMMAND	RESPONSE		
TIME	СН.	SEQUENCE	STA	STA.	DESCRIPTION	REMARK
					-	
82 00 3 DAYS						
10 HR\$						
01 01					• '	
					ŅOYE	
			ł		ASTRO COMM CHECKS WITH GSE ON OIS CHANNELS=181, 182, 212,	
			-		214, 223, AND SPECYAL AUDIO	ŀ
					CIRCUITS ASTRO LAUNCH, KSC AEROMED PRIVATE, MSC PRIVATE,	
•		}		1	FLIGHT DIRECTOR AND CAP COMM ARE SCHEDULED FOR THE NEXT	
		1			8 HOURS,	
					•	
81 30					· · ·	
3 DAYS 9 HRS						
301 01						
	181	1	MSTC	CYTS		
					DISCONNECTED FROM SC FOR BRC Installation	
-	704	-	CVTS.	D. 70	•	
	<u>1</u> 81	2	0413		DISCONNECT SA#9 ENVIRONMENTAL CHAMBER FROM SC FOR BPC INSTALLATION.	
				,		
81 15 3 DAYS						
9 HRS					· .	
15 0"					· / ·	
	1 81	i	CLTC	CVTS	SAJ9 ENVIRONMENTAL CHAMBER HAS BEEN	
					DISCONNECTED	
_		ĺ.				
	•	.				
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 × . .

PAGE 50 TEST NO SV-40400R PAGE

лин А Есиялы О	RIGINA	22, 19 L			LAUNCH OPERATIONS VEHICLE	SV-4040 SKYLAB
กษส	СОММ. СН.	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	REMARK
					a da anti a di	
-81 00 -3 DAYS -3 HRS 01 01			•		·	
	ī8i	1	CVŤS	ETNS	VERIFY THAT PLIGHT CODE PLUGS ARE AVAILABLE IN ROOM 4P8;	
-80 05 -3 DAYS 9 HRS 51 01						
	181	: i	CVYS	SRO	VERIFY RADIATION CLEARANCE FOR THE LV LOCAL RANGE SAFETY COMMAND CARRIER FOR DRSCS PREPS, PROTECTION IS NOT REGUIRED.	
-B0 00 -3 DAYS 9 HRS 01 01					· · · · · · · · · · · · · · · · · · ·	
	i0i	1	CLÝC	EVTS	OBTAIN CLEARANCE FOR LOCAL RANGE SAPETY COMMAND CARRIER! (PROTECTION IS NOT REQUIRED;)	~
	181	5	CV _T S	CLTC	FLIGHT CODE PLUGS ARE AVAILABLE IN Room 4PB.	
-77 20 -3 DAYS 5 HRS 201 0"			,			
-	181	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR THE LV LOCAL RENGE SAFETY COMMAND CARRIER For drscs GSE Elosed Loop Test; Protection is required;	
				-	· · ·	
						_

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IDDE CH. PEROFICE STA. STA. STA. DESCRIPTION PEROFICION 77 15 3 DAYS 5 HRS 1 CLTC CVTS LV PROCEEDING HITH LV DRSCS GSE TEST, VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REOURED;) 181 2 CVTS CPSS RELEASE DESTROCT SYSTEM ENABLE KEY TO CLVN; 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY TO CLVN, 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; THE DETAILED SEQUENCES. POR THE DRSCS GSE CLOSED LOOP TEST ARE IN THE LY PROCEDURE;	TAK CK RECOMME STA. STA. STA. STA. DESCRIPTION DESCRIPTION DESCRIPTION 77 15 3 DAYS 1 CLTC CVTS LV PROCEEDING HITH LV DRSOS GSE TEST, VERIFY CLEARANCE TO DRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REQUIRED.) THE LBCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REQUIRED.) 181 2 CVTS CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 77 00 1 CLTC EVTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; 181 1 CLTC EVTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; IB1 181 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; IB1		соим.	l	COMMAND	RESPONSE	VEHICLE	<u> </u>
3 DAYS 5 HRS 5 HRS 1 CLTC CVTS LV PROCEEDING HITH LV DRSCS GSE TEST; VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REQUIRED;) REQUEST CPSS RELEASE DESTROCT SYSTEM ENABLE KEY TO CLVN; 181 2 CVTS CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN, 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 161 1 CLTC CVTS LV DRSCS GSE TEST IS COMPLETE; POR THE DRSCS GSE to SED LOOP TEST ARE IN THE LV PROCEDURE; 161 1 CLTC CVTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CFSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 181 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED;	3 DAYS 5 HRS 5 HRS 1 181 0 1 181 1 CUTC CVTS LV PROCEEDING WITH LV DRSCS GSE TEST; VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER: (PROTECTION IS REQUIRED); REQUEST CPSS RELEASE DESTROOT SYSTEM ENABLE KEY TO CLYN; 181 2 CVTS 181 3 CPSS 181 4 CUTS 181 5 CUTS 181 5 CUTS 181 5 CUTS 181 1 CLTC CUTS LV DRSCS GSE TEST IS COMPLETE; PROCEDURE, 181 1 CLTC 181 2 CPSS 181 2 CPSS 181 3 CLTC 181 3 CLTC 181 3 CLTC	TIME		SEQUENCE			DESCRIPTION	REMARKS
33 DAYS 5 HRS 157 0' 181 157 0' 181 157 0' 181 161 1 CLTC CVTS LV PROCEEDING WITH LV DRSCS GSE TEST; VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REQUIRED;) REQUEST CPSS RELEASE DESTROCT SYSTEM ENABLE KEY TO CLVN; 181 2 181 3 2 CVTS 181 3 3 CPSS 181 3 3 CPSS 01 0' 161 1 161 1 161 1 161 1 161 1 161 1 161 1 161 2 161 2 161 3 161 3 161 2 161 3 161 3 161 3 161 3	3 DAYS 5 HRS 5 HRS 1 181 0 1 181 1 CUTC CVTS LV PROCEEDING WITH LV DRSCS GSE TEST; VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER: (PROTECTION IS REQUIRED); REQUEST CPSS RELEASE DESTROOT SYSTEM ENABLE KEY TO CLYN; 181 2 CVTS 181 3 CPSS 181 4 CUTS 181 5 CUTS 181 5 CUTS 181 5 CUTS 181 1 CLTC CUTS LV DRSCS GSE TEST IS COMPLETE; PROCEDURE, 181 1 CLTC 181 2 CPSS 181 2 CPSS 181 3 CLTC 181 3 CLTC 181 3 CLTC							
5 HRS 15'0' 181 1 CLTC CVTS LV PROCEEDING WITH LV DRSCS GSE TEST; WERIFY CLEARANCE TO BRING OP THE LOCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REQUIRED;) 101 2 CVTS CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN; 101 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 101 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 101 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 101 1 CLTC CVTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 161 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 161 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 161 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 161 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED;	5 HRS 15'0' 181 1 CLTC CVTS LV PROCEEDING WITH LV DRSCS GSE TEST; RANGE SAFETY COMMAND CARFIER; (PROTECTION IS REQUIRED;) 181 2 CVTS LV PROCEEDING VITH LV DRSCS GSE TEST; (PROTECTION IS REQUIRED;) 181 2 CVTS CPSS 181 3 CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN; 181 3 CPSS EVTS POR THE DRSS GSE CLOSED LOOP TEST ARE IN THE LV PROCEDURE; NOTE THE DESTRUCT SYSTEM ENABLE KEY RELEASED LOOP TEST ARE IN THE LV PROCEDURE; 181 1 CLTC CVTS 181 2 CPSS CVTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; TO CPSS; 181 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED;							. [.]
151 0" 181 1 CLTC CVTS LV PROCEEDING WITH LV DRSCS GSE TEST; VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REQUIRED;) 161 2 CVTS CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN; 161 2 CVTS CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN; 161 3 CPSS BELASE DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 161 3 CPSS BVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 161 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN; 161 1 CLTC CVTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 161 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 161 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 161 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 161 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED;	151 01 1 CLTC CVIS LV PROCEEDING HITH LV DRSCS GSE TEST; VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER; (PROTECTION IS REQUIRED;) REQUEST CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN; 181 2 CVTS CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN; 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASEB 181 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASEB 77 00 3 DAYS 5 HRS 0/ 0* . . . 181 1 CLTC CVTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 181 3 CLTC EVTS DESTRUCT SYSTEM ENABLE KEY RETURNED;							
101 VERIFY CLEARANCE TO BRING OP THE LBCAL RANGE SAFETY COMMAND CARRIER: (PROTECTION IS REQUIRED.) 101 2 CVYS 101 2 CVYS 101 2 CVYS 101 3 CPSS 101 1 CLTC 102 CPSS CVTS 103 1 CLTC 104 2 CPSS 105 2 CPSS	77 00 Image: Second state in the second				,	1		
Image: Second state Range Safety Command Carrier: (Provection is required.) Image: Second state Request opss release destroct system enable key to clvn; Image: Second state CVTS Image: Second state Image: Second state Image: Second state CVTS	IBI ICUTC CVTS CVTS CPSS RELEASE DESTROCT SYSTEM ENABLE KEY TO CLVN; IBI IBI CPSS CPSS RELEASE DESTROCT SYSTEM ENABLE KEY TO CLVN; IBI IBI CPSS CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN; IBI IBI CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RELEASED IBI IBI CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RELEASED IBI IBI CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RELEASED IBI IBI CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RELEASED IBI IBI CLTC CYTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT DESTRUCT SYSTEM ENABLE KEY RETURNED DESTRUCT SYSTEM ENABLE KEY RETURNED IBI IBI CLTC CYTS LV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; IBI CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED, IBI IBI CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED, IBI IBI CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RET		í8î	e i	CLŶC	CVIS	LV PROCEEDING WITH LV DRSCS GSE TEST,	
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101 3 CPSS EV7S DESTRUCT SYSTEM ENABLE KEY RELEASED NOTE	101 3 CPSS EVTS DESTRUCT SYSTEM ENABLE KEY RELEASED NOTE		181	2	CVTS	CPSS	RELEASE DESTRUCY SYSTEM ENABLE KEY TO	
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1811CLÝCCVTSLV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF;1812CPSSCVTSDESTRUCT SYSTEM ENABLE KEY RETURNED; IB11813CLTCEVTSREQUEST RANGE TO SUPPORT DRSCS PREPS	ISILCLTCCVTSLV DRSCS GSE TEST IS COMPLETE; DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF;IB12CPSSCVTSDESTRUCT SYSTEM ENABLE KEY RETURNED; ISIIB13CLTCEVTSREQUEST RANGE TO SUPPORT DRSCS PREPS						·	
DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 181 3 CLTC EVTS REQUEST RANGE TO SUPPORT DRSCS PREPS	DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS; LOCAL RANGE SAFETY COMMAND CARRIER IS OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 181 3 CLTC EVTS REQUEST RANGE TO SUPPORT DRSCS PREPS			•	cLŤc	ev75	IV DRSAS ASE TART TR CAMPLETE	
TO CPSS;LOCAL RANGE SAFETY COMMAND CARRIER IS OFF;1812CPSSCVTSDESTRUCTSYSTEM ENABLEKEYREQUESTRANGETOSUPPORTDRSCSPREPS	TO CPSS;LOCAL RANGE SAFETY COMMAND CARRIER IS OFF;1812CPSSCVTSDESTRUCTSYSTEM ENABLEKEYRETURNED;1813CLTCEVTSREQUESTRANGETOSUPPORTDRSCSPREPS		101					
OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 181 3 CLTC EVTS REQUEST RANGE TO SUPPORT DRSCS PREPS	OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 181 3 CLTC EVTS REQUEST RANGE TO SUPPORT DRSCS PREPS							
OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 181 3 CLTC EVTS REQUEST RANGE TO SUPPORT DRSCS PREPS	OFF; 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED; 181 3 CLTC EVTS REQUEST RANGE TO SUPPORT DRSCS PREPS		:				LOCAL RANGE SAFETY COMMAND CARRIER IS	
181 3 CLTC EVIS REQUEST RANGE TO SUPPORT DRSCS PREPS	181 3 CLTC EVIS REQUEST RANGE TO SUPPORT DRSCS PREPS							
			181	2	CPSS	CVIS	DESTRUCT SYSTEM ENABLE KEY RETURNED,	
UN CH 204	UN CH 284		ï81	3	CLTC	EVIS		
			•	ŕ			UN CH 284:	
				1		I		

NASA KSC COML APP/71

ISION O	RIGINA	L				VEHICLE	SV-40400 SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION		REMARKS
77 00 3 DAYS 5 HRS 01 0	CONTI	NÚED					
	181	4	CVTS	\$R0	LV DRSCS GSE CLOSED LOOP TEST IS COMPLETE:		
					LV LOCAL RANGE SAFETY COMMAND C. IS OFF;	RRIER	
		· -	-		STANDBY ON CH, 264 FOR LV BRSCS	PREPS	
76 20 3 DAYS 4 HRS 201 0"	181	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR '	ועה וע	
	101				LOCAL RANGE SAFETY COMMAND CARRY PROTECTION IS REQUIRED;		
		-		•	STANDBY ON CH, 261 FOR LV DRSCS CLOSED LOOP TEST WITH FLIGHT CO PLUGS,	RANGE De	
76 15 3 DAYS 4 HRS 151 0"					·		
	<u>181</u>	1	CLTC	EVTS	VERIFY CLEARANCE TO BRING OP THE RANGE SAFETY COMMAND CARRIER' (PROTECTION IS REQUIRED.)	E LOCA	ե
					VERIFY RANGE IS READY TO SUPPOR CLOSED LOOP TEST WITH FLIGHT CO PLUGS ON CH, 201,		s
	1 81	2	CLTC	ÇVTS	REQUEST COSS RELEASE DESTRUCT S ENABLE KEY TO CLVN.	/STEM	
	181	3	CVTS	CPSS	RELEASE DESTRUCT SYSTEM ENABLE CLVN:	(EY 10	

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

RIGINA	L			LAUNCH OPERATIONS VEHICLE	SV-40400 SKYLAB
COMM. CH,	SEQUENCE	COMMAND STA	RESPONSE STA	DESCRIPTION	REMARKS
CONT I	ΝυΕϦ				
181	4	CPSS	CVTS	DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN.	
				NOTE	
	÷			THE DETAILED SEQUENCES FOR THE DRSCS RANGE CLOSED LOOP TEST ARE IN THE LV PROCEDURE.	
				· · ·	
181	1	CLTC	CVTS	LV DRSCS TEST IS COMPLETE.	
				DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS.	
				LOCAL RANGE SAFETY COMMAND CARRIER IS OFF.	-
181	2	CPSS	CVTS	DESTRUCT SYSTEM ENABLE KEY RETURNED.	
181	3	сутѕ	SRO	LV DRSCS RANGE CLOSED LOOP TEST IS COMPLETÉ.	
				LV LOCAL RANGE SAFETY COMMAND CARRIER IS OFF.	
				LV DRSCS SUPPORT IS NO LONGER REQUIRE	D.
			-		
÷.					
	RIGINA COMM. COMM. CONTI 181	COMM. SEQUENCE CONT I NUED 181 4 181 1 181 1 181 2	COMMA. CH.SEQUENCECOMMAND STACONT INUED.1814CPSS181118111812CPSS	RIGINALCOMM. CH.SEQUENCECOMMAND STARESPONSE STACONTINUED.1814CPSS1814CPSS1811CLTC1812CPSSCVTS	REGINAL LAUNCH OPERATIONS VEHICLE COMMAND RESPONSE DESCRIPTION CONTINUED STA STA 181 4 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RELEASED 181 4 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RELEASED 181 4 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RELEASED 181 1 CLTC CVTS LV DRSCS TEST IS COMPLETE. 181 1 CLTC CVTS LV DRSCS TEST IS COMPLETE. 181 1 CLTC CVTS LV DRSCS TEST IS COMPLETE. 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED. 181 2 CPSS CVTS DESTRUCT SYSTEM ENABLE KEY RETURNED. 181 3 CVTS SRO LV DRSCS RANGE CLOSED LOOP TEST IS 181 3 CVTS SRO LV DRSCS RANGE CLOSED LOOP TEST IS

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE 54 DATE. AUGUST 22, 1973 LAUNCH OPERATIONS

FACTORM 2 CRIB DREV 4776

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	UGUST	22, 19		RESCU	E VEHICLE PAGE TEST NO LAUNCH OPERATIONS	5V-40400 SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.		REMARKS
75:35 3 DAYS 3 HRS 35' 0'					· · · · · ·	
2	181	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR.CSM FREQUENCIES 2106.4, 2272.5, 2287.5, 259.7 AND 296.8 MHZ.	
75:30 3 DAYS 3 HRS 30' 0"			-		- ` . * 	
50. 0.	181	1	CLTC	сутѕ	LV STAGE POWER IS OFF.	
	131		MSTC		CSM PYRO BUSSES WILL BE ARMED.	
	131		nurc	G413	VERIFY CLEARANCE FOR CSM RF	
	-			-	UHF 2106.4, 2287.5 AND 2272.5 MHZ;	-
					VHF-AM 259.7 AND 296.8 MHZ.	
					CSM COMMAND DECODER IS OFF.	-
					GMIL SUPPORT IS REQUIRED ON CH. 214.	
	181	3	CVTS	GMIL	STANDBY ON CH. 214 TO SUPPORT CSM RF CHECKS. CLEAR TO BRING UP THE CSM UHF COMMAND CARRIER WHEN REQUESTED. CSM COMMAND DECODER WILL REMAIN OFF. KEEP CVTS ADVISED OF CARRIER STATUS.	
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YSC FORM 23 618 (REV 4/71)

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EVISION O	RIGINA	22, 19 \L			*LAUNCH OPERATIONS VEHICLE	SKYLAB I
TIME	сомм. сн.	SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION	REMARKS
	CONTI	NUED			· · ·	
					NOTE	
			-		CSM IS SCHEDULE TO Accomplish power on Stray Voltage Ghecks for the Next 4 Hours.	
-75 00 -3 DAYS 3 HRS 01 0"						
	181	1	MSŶC	CYÏS	CLEAR TO SECURE GH2 HAZARDOUS MONITOR SYSTEM.	
	ī81	2	CVÝS	CYSO	SECURE GH2 HAZARDOUS MONITOR SYSTEM;	
	ī8ī	3	CTSC	៩៴។ទ	GH2 HAZARDOUS MONITOR SYSTEM SECURED,	
73 00 3 DAYS 1 HR 01 D"					· · · ·	
	ībi	1	MSTC	EVTS	REQUEST SC ORDNANCE BE DELIVERED TO MSS LOW RISE ELEVATOR BY TE71 30.	
	ī8î	2	CVTS	ĈPSS	VERIFY CLEARANCE FOR SUPPORT TO Deliver SC ordnance to pad b.	
	1 81	3	CVTS	CYSC	DELIVER SC ORDNANCE TO PAD B MSS LOW Rise elevator in 90 minutes,	н
			, ,		ORIGINAL PAGE IS OF POOR QUALITY	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE. AUGUST 22, 1973 CORTECTIONS

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page 56 test no. SV-40400R SKYLAB R

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INAC COMMA REQUENCE COMMAND RESOLVER STAR DESCRIPTION DESCRIPTION 72 30 3 DAYS 51A STAR STAR DESCRIPTION DESCRIPTION DESCRIPTION 72 30 3 DAYS 0 HRS OCHARS OCHARS OCHARS DESCRIPTION IN 30 MINUTES; 72 00 . . . MSTC CUTS REQUEST SA-9 ENVIRONMENTAL CHAMBER GONNECTION IN 30 MINUTES; 72 00 72 00 72 00 181 1 MSTC CUTS REQUEST SA-9 ENVIRONMENTAL . 181 2 CUTS CLTC CUTS REQUEST SA-9 ENVIRONMENTAL 23 HRS 23 HRS 23 HRS <td< th=""><th>VISION 0</th><th>RIGINA</th><th></th><th></th><th></th><th></th><th>SKYLAB</th></td<>	VISION 0	RIGINA					SKYLAB
72 30 3 DAYS 9 HRS 30' 0" 1 CVTS CLTC MSTC VERIFY READY FOR SA-9 ENVIRONMENTAL CHAMBER CONNECTION IN 30 MINUTES; 72 00 3 DAYS 0' 0" 1 MSTC CVTS REQUEST SA-9 ENVIRONMENTAL CHAMBER DE CONNECTION 72 00 3 DAYS 0' 0" 1 MSTC CVTS REQUEST SA-9 ENVIRONMENTAL CHAMBER DE CONNECTED; 161 1 MSTC CVTS CLTC CONNECT SA-9 ENVIRONMENTAL CHAMBER DE CONNECTED; 71 45 2 DAYS 2	TIME		SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION	REMARKS
72 00 CHAMBER CONNECTION IN 30 MINUTES; 72 00 O HAS 0 HAS IB1 1 MSTC CVTS 0'0" IB1 1 101 2 CVTS 20 DAYS CUTS CUTS 101 2 CVTS 101 2 CVTS 101 2 CVTS 11 CLTC CUTS 11 CLTC CVTS 12 DAYS 130 CUTS 145 CVTS 161 MSTC 181 CVTS 181 CVTS 181 CUTS 181 CUTS 181 CUTS 181 CUTS C	3 DAYS 0 HRS		1			VERIEV READY FOR SAME ENVIRONMENTAL	
71 45 181 2 CVTS CLTC CONNECT SA#9 ENVIRONMENTAL 71 45 2 CVTS CLTC CVTS SA#9 ENVIRONMENTAL 71 45 2 HRS 451 0" 1 CLTC CVTS SA#9 ENVIRONMENTAL CHAMBER HAS BEEN 71 30 2 JAYS 23 HRS 0" 0" 1 1 CLTC CVTS SA#9 ENVIRONMENTAL CHAMBER HAS BEEN 71 30 2 DAYS 23 HRS 0" 0" 1 MSTC CVTS PYRO ARM SWITCH GUARD IS INSTALLED! 71 30 2 DAYS 23 HRS 0" 0" 10" 1 MSTC CVTS PYRO ARM SWITCH GUARD IS INSTALLED! CSM PYRO BUSSES ARE SAFE, CSM PYRO BUSSES ARE SAFE, CSM RF (VHF AND UHF) IS OFF', GMIL SMIL SUPPORT IS NO LONGER REQUIRED! 181 2 GMIL CVTS CSM UHF COMMAND CARRIER IS OFF',	3 DAYS 0 HRS						-
71 45 2 DAYS 23 HRS 451 0" 161 1 181 1 130 2 DAYS 23 HRS 601 0" 181 1 181 1 181 2 181 3 181 <td></td> <td>181</td> <td>) </td> <td>MSTC</td> <td>CVTS</td> <td>REQUEST.SA~9 ENVIRONMENTAL CHAMBER BE CONNECTED;</td> <td></td>		181) 	MSTC	CVTS	REQUEST.SA~9 ENVIRONMENTAL CHAMBER BE CONNECTED;	
2 DAYS 23 HRS 451 0" 181 1 CLTC CVTS SAB9 ENVIRONMENTAL CHAMBER HAS BEEN CONNECTED; 71 30 2 DAYS 23 HRS 01 0" 161 1 MSTC CVTS PYRO ARM SWITCH GUARD IS INSTALLED: CSM PYRO BUSSES ARE SAFE. CSM RF (VHF AND UHF) IS OFF; GMIL SUPPORT IS NO LONGER REQUIRED; 181 2 GMIL CVTS CSM UHF COMMAND CARRIER IS OFF;		181	2	CVTS	6L70		
2 DAYS 23 HRS 0' 0" 101 1 MSTC CVTS PYRO ARM SWITCH GUARD IS INSTALLED: CSM PYRO BUSSES ARE SAFE. CSM RF (VHF AND UHF) IS OFF. GMIL SUPPORT IS NO LONGER REQUIRED: 181 2 GMIL CVTS CSM UHF COMMAND CARRIER IS OFF.	2 DAYS 23 HR 451 O"	s	1	CLTC	CVTS	SAB9 ENVIRONMENTAL CHAMBER HAS BEEN Connected;	
CSM PYRO BUSSES ARE SAFE, CSM RF (VHF AND UHF) IS OFF. GMIL SUPPORT IS NO LONGER REQUIRED: 181 2 GMIL CVIS CSM UHF COMMAND CARRIER IS OFF.	2 DAYS 23 hrs						
GMIL SUPPORT IS NO LONGER REQUIRED! 181 2 GMIL CVIS CSM UHF COMMAND CARRIER IS OFF!	i	ī8í	1	MSTC	CVTS	CSH PYRO BUSSES ARE SAFE.	
	•	- -			.		
181 3 CVTS GMIL CSM RF SUPPORT IS NO LONGER REQUIRED.		181	2	GMIL	CVYS	CSM UHF COMMAND CARRIER IS OFF.	
		 181 	3	CVTS	GMIL	CSM RE SUPPORT IS NO LONGER REQUIRED.	

PSC FORM 21818 (MY 4 71)

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TIME	COMM, CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARK
71 30 2 DAYS 23 HRS 0' 0"	ÖONTI	NUED			~	
	181	4	CVTS	SRO	CSM RF IS OFF.	
	181	5	CTSC	EVTS	SC ORDNANCE HAB BEEN DELIVERED TO THE MSS LOW RISE ELEVATOR.	
	181	. 6	CVŤS	MSTC	SC ORDNANCE HAS BEEN DELIVERED TO THE MSS LOW RISE ELEVATOR.	
71 00 2 DAYS 23 HRS 01 0"					· · · ·	
	18ĭ	1	MSŤC	CVTS	CLEAR THE CONTROL AREAS FOR CSM SMALL ORDNANCE HOOKUP OPERATIONS,	
• •	•				CSM IS POWERED DOWN,	-
	181 1	2	CVTS	CYSC	PROVIDE PIRE AND MEDICAL SUPPORT FOR Space vehicle ordnance operations;	
	181 Em Pa	3	CVTS		ALL' NONGESSENTIAL PERSONNEL ARE TO CLEAR THE PAD B CONTROL AREAD FOR BSM SMALL ORDNANCE HOOKUP OPERATIONS;	
1					ocoececoecu ARNINGeseveceee	
	•				* THE CONTROL AREAS FOR * • CSM SMALL ORDNANCE * • HOOKUP OPERATIONS * • CONSISTS OF SARB; SARS * • AND MSS LEVELS 4 AND B; * • *	
•						•
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE: AUGUST 22, 1973 LAUNCH OPERATIONS

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KSC FORM 23 BIB (RFV 4/71)

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1.40M OI	RIGINA	22, 19 L	, i		LAUNCH OPERATIONS VEHICLE	V-40400 SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA,	RESPONSE STA.	DESCRIPTION	REMARKS
2 DAYS 23 HRS 01 07	ĊONTI	NUED			;	
	18 <u>1</u>	4	CVTS	CPSS	CLEAR ALL NONGESSENTIAL PERSONNEL FROM THE CONTROL AREAS FOR CSM SMALL ORDNANCE HOOKUP OPERATIONS!	
70 30 2 DAYS 22 HRS 30' 0"						
-		1		EVTS	TURN RF SILENCE SWITCH ON.	
	181 Em Pa	2	CVTS	-	RF SILENCE IS NOW IN EFFECT ON THE Space vehicle at pad b:	
	ī8i	3	CPSS	CVTS	CLEAR TO START CSM SMALL ORDNANCE Hookup operations;	
	ī8ï	4	CVTS	MSTC	START CSM SMALL ORDNANCE HOOKUP Operations;	н
					RF SILENCE IS IN EFFECT ON THE SPACE Vehicle Until 7554 30.	
64 30 2 DAYS 16 HRS 301 0"						
	ĩ8ĩ	1	CLIC	EVTS	LV APPLYING POWER;	
64 20 2 DAYS 6 HRS 201 0"					· - · ·	
	ī8i	1	CLŤC	CYTS	REQUEST CPSS TO RELEASE TOS ARM KEY To C3SP:	
					· · · ·	

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE- AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OP PAGE . SV-40400R SKYLAB R TEST NO LAUNCH OPERATIONS VEHICLE

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64 20 2 DAYS 6 HRS	ዋህንድ፣		· ·	1		
201 07		NUED				-
	18 <u>1</u>	2	CVTS	CPSS	RELEASE TOS ARM KEY TO COST.	
:	181	3	CPSS	CVTS	TCS ARM KEY RELEASED TO C35P	
64 00 2 DAYS 6 HRS 01 0"						•
	181	1	CLTC	CYTS	REQUEST CISC START SHIB HYPERGOL CARTRIDGE DELIVERY, CARTRIDGES ARE TO BE DELIVERED TO THE PAD LEVEL EAST ELEVATOR.	
	ī81	5 ′	CVŦS	EPSS	VERIFY CLEARANCE FOR SUPPORT TO Deliver Soib Hypergol Cartridges to PAD B.	
Ę	ī8 <u>1</u>	3	CVTS	CYSC	DELIVER SEIB HYPERGOL CARTRIDGES TO PAD LEVEL, PAD B, EAST ELEVATOR IN 30 MINUTES.	K
	181	4	CLTC	CVTS	PROVIDE FIREMAN, BUNKER SUITED, AT TOP OF PEDESTAL IN 30 MINUTES TO SUPPORT Hypergol cartridge installation,	
	181	5	CVTS	CTSC	PROVIDE FIREMAN, BUNKER SUITED, AT TOP OF PEDESTAL IN 30 MINUTES TO SUPPORT Hypergol cartridge installation;	
63 45 2 DAYS 5 HRS 451 0"			-		_ · ·	
	ĩB1	1	CLTC	CVTS	READY TO CLEAR THE CONTROL AREA FOR So IB HYPERGOL CARTRIDGE INSTALLATION,	
_		** <u>*</u>				

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	UGUST RIGIN/	22, 19 AL	73			SV-404
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	REMAR
-63 45 -2 DAYS 15 HRS 45 0"		INUED			, , ,	
	ÍBÍ EM PA	2	CVÝS		ALL NON-ESSENTIAL PERSONNEL ARE TO CLEAR THE PAD B CONTROL AREA FOR SET HYPERGOL CARTRIDGE INSTALLATION;	B
					OBSORRESSON ARNINGSSONSSONSSONS STHE CONTROL AREA FOR STALLATION CONSISTS STALLATION CONSISTS STALLATION ML ZERO STALLATION ML ZERO STALLATION STALATION STALLATION <td>•</td>	•
	181	3	CVTS	CPSS	CLEAR ALL NON-ESSENTIAL PERSONNEL FROM THE CONTROL AREA FOR SHIB Hypergol cartridge installation;	
	ī8 <u>1</u>	4	CLIC	CVTS	REQUEST A 50 FOOT RADIUS BE CLEARED Around the ML East Elevator at the Ground and ML Zero Level for Lv Ordnance delivery;	
	ī8i	5	CVTS	ĈPSS	CLEAR A 50 FOOT RADIUS AROUND THE ML EAST ELEVATOR AT THE GROUND AND ML ZERO LEVEL FOR LV ORDNANCE DELIVERY;	
-63 30 -2 DAYS 15 HRS 301 04		••		:	. <i>'</i>	
	181	1	CL†C	EXTS	REQUEST CISC START LV ORDNANCE Delivery: Ordnance is to be deliver to pad level east elevator:	ED
	ī8 <u>1</u>	2.	CVTS	CPSS	VERIFY CLEARANCE FOR SUPPORT TO Deliver LV ordnance to pad b'	
					ORIGINAL PAGE IS OF POOR QUALITY	

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	RIGINA	، لے 	.					
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	STA.	DESCRIPTION	REMARK		
-63 30 -2 DAYS 5 HRS 501 0"	ĊONŦI	NUED						
	1 81	3	CVTS	CYSC	DELIVERY LV ORDNANCE TO PAB LEVEL; PAD B, EAST ELEVATOR IN 30 MINUTES;	н		
	ĩðĩ	4	CTSC	CVTS	S⇔IB HYPERGQL CARTRIDGES HAVE BEEN Delivered to the pad level", pad b, E49t elevator.			
	ī8ī	5	CV7S-	0L 7C	S⇒IB HYPERGOL CARTRIDGES HAVE BEEN Delivered to the pad level east Elevator.			
-	ī81	6	CPSS	CVTS	CLEAR TO START SOIB HYPERGOL CARTRIDGE INSTALLATION.			
	ī81	7	CVŤS	CLTC	START SEIB HYPERGOL CARTRIDGE . Installation.	н.		
63 00 2 DAYS 5 HRS 01 0"					,			
	£₿1	1	CTSC	ĊVTS	LV ORDNANCE HAS BEEN DELIVERED TO THE PAD LEVEL, PAD B, EAST ELEVATOR,			
	181	2	CVÝS	CLTC	LV ORDNANCE HAB BEEN DELIVERED TO THE PAD LEVEL EAST ELEVATOR.			
.	18 <u>1</u>	3	CĻŶC	EVIS	READY TO CLEAR THE CONTROL AREAS FOR LV ORDNANCE INSTALLATION,			
	ï81	4	CLTC	CVTS	LV POWER HAS BEEN APPLIED, LV Controlled Switching and LV/SC Interface controlled Switching is now In Effect.			
	181 	5	CVÝS	MSTC	LV POWER IS ON' CONTROLLED SWITCHING ACROSS THE LV/SC INTERFACE IS NOW IN EFFECT'			
	181	5	CVÝS	MSTC	ACROSS THE LV/SC INTERFACE IS NOW IN			
			-	1				

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE: AUGUST 22, 1973 LAUNCH OPERATIONS

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SPACE VEHICLE COUNTDOWN DATE: AUGUST 22, 1973 RESCUE VEHICLE REVISION

ME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	
N	AUGUST	22, 19) L	73		LAUNCH OPERATIONS	
ί	VENICLE	CODMI		RESCUE	VEHICLE	

TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-63 00 -2 Days 15 Hrs 01 0"		NUED		-	· ·	
	181 Em Pa	6	CVŶS		CONTROLLED SWITCHING ON THE LV AND ACROSS THE LV/SC INTERFACE IS NOW IN EFFECT AT PAD B.	•
					SNITCHING REQUESTS ARE TO BE COORDINATED THROUGH TEST CONDUCTORS WITH CVTS.	
					RF SILENCE IS STILL IN EFFECT AT PAD B.	
	ī81	7	CVŤS	MSTC	SMDPS WILL BE CHANGED FROM 25SWITCH, . 1=VALVE MODE TO 2=SWITCH MODE,	
	_ 1 81	8	CVTS	CLTC	CHANGE THE SMDPS FROM 20SWITCH. 10VALVE MODE TO 20SHITCH MODE, REPORT WHEN COMPLETE.	
4	181 En Pa	9	CVTS		ALL NONGESSENTIAL PERSONNEL ARE TO CLEAR THE PAD B CONTROL AREAS FOR SV ORDNANCE INSTALLATION;	
	-				CHOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO	
ł	ī8ī	10	CVTS	CPSS	CLEAR ALL NON-ESSENTIAL PERSONNEL PROM THE CONTROL AREAS FOR EV ORDNANCE INSTALLATION.	
	ī8i	11	CLTC	EVIS	SMOPS IS IN 2-SWITCH MODE,	-
	181	12	CV95	MSTC	SMDPS IS IN 208417CH MODE;	

** (FC#M 23 818 [KLV 4/21]

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TEST NO.

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PAGE

VEHICLE

63 SV-40400R SKYLAB R

	RIGINA	22, 19 \L				SV-40400 SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
62 30 2 DAYS 14 HRS 30! 0"					· · ·	
	·181	1	CLYC	CVIS	S≂IB HYPERGOL CARTRIDGE INSTALLATION IS COMPLETE, RELEASE FIREMAN.	
	181 1	2	CVÝS	EPSS	S¤18 HYPERGOL CARTRIDGE INSTALLATION IS complete,	
					VERIFY READY TO RELEASE FIREMAN Support from Soib Hypergol cartridge Installation.	•
	ī8í	3	CVTS	CTSC	S≂IB HYPERGOL CARTRIDGE INSTALLATION IS COMPLETE, RELEASE FIREMAN SUPPORT FROM S≂IB HYPERGOL CARTRIDGE INSTALLATION;	
	181	4	CPSS	€yĩs	CLEAR TO START LV ORDNANCE Installation:	•
	181	5	CVIS	BLITC	START LV ORDNANCE INSTALLATIO <u>N</u>	- H
59 30 2 DAYS 11 HRS 301 0"			•		- 	- -
	1 81	1	MSŶC	CVIS	CSM BMALL ORDNANCE HOOKUP OPERATIONS ARE COMPLETE:	
, 1					REQUEST CRSS CLEARANCE TO START CSN Heavy ordnange hookup operations;	
•	-			-	BOBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	
		•	<i>.</i>			

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE CATE AUGUST 22, 1973

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PAGE 64 TEST NO SV-40400R

^{//SION} 0	RIGINA	22, 19			LAUNCH OPERATIONS S	V-40400 SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
59 30	CONTI	NUED				
2 DAYS 11 HRS					•.	
<u>01 01</u>						
	181 -	2	CVÝS	CPSS	CSM SMALL ORDNANCE HOOKUP OPERATIONS ARE COMPLETE:	
					VERIFY CPSS CLEARANCE TO START COM Heavy ordnance hookup operations;	
	ī8ī	3	CVTS	MSTC	STARY CSM HEAVY ORDNANCE HOOKUP OPERATIONS	- н
57 -45		•				
DAYS 9 HRS						
51 0"					· · ·	
	ī8ī	ĩ	CVTS	CPSS	VERIFY SAFETY IS READY TO MONITOR S&A Functionals,	
	ĩ81	2	CVTS	ՇԼԴՇ	CPBS IS ON STATION FOR S&A FUNCTIONALS.	
57 30						
DAYS 9 HRS					- · · ·	
50 ± 0"						
	ī8í	1	CLÝC	CVTS	REQUEST LV CONTROLLED SHITCHING ACROSS THE LV/SC INTERFACE BE LIFTED FOR LV POWER DOWN OPERATIONS.	
	181	2	CVÝS	ĊPSS	VERIFY CLEARANCE TO LIFT LV CONTROLLED	
					SWITCHING ACROSS THE LV/SC INTERPASE FOR LV POWER DOWN OPERATIONS;	
	ī81	3	CVTS	MSTC	LV CONTROLLED SWITCHING ACROSS THE LV/SC INTERFACE IS BEING LIFTED FOR LV POWER DOWN OPERATIONS.	
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PSC (CHAN 27818 (PLV 4/21)

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	сомм.		COMMAND	RESPONSE		VEHICLE	·
TIME	СН	SEQUENCE	STA.	STA.	DESCRIPTION		REMARK
57 30 2 DAYS 9 HRS 30' 0"	CONTI	NÜED					
	181 Em Pa	4	CVTS		CONTROLLED SWITCHING INCLUDING SWITCHING ACROSS THE LV/SC INTERF, IS LIFTED FOR LV FOWER DOWN OPERATIONS AT PAD B;	46E	
					RF SILENCE IS STILL IN EFFECT AT PAD B.		
	îðí	5	CV7S	ℰ∟ፕር	POWER DOWN THE LV.		
57 15 2 DAY\$ 9 HRS 151 0"					· ·		
	ī8ĭ	1	CLŤĊ	CVTS	LV STAGE POWER IS OFF;		
					LV READY TO RESUME CONTROLLED Switching Across the LV/SC. Interface:	~	
	ī8i	2	CVTS	MSTÇ	LV STAGE POWER IS OFF.		
					CONTROLLED SWITCHING ACROSS THE LY INTERFACE IS NOW IN EFFECT!	/≱sc	
	181 Em Pa	3	CVTS	ĩ	CONTROLLED SWITCHING INCLUDING CONTROLLED SWITCHING ACROSS THE LY INTERFACE IS IN EFFECT AT PAD B.	XSC	
					RF SILENCE IS STILL IN EFFECT AT PAD B.		
					-		
-		•			ORIGINAL PAGE IS OF POOR QUALITY		
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE. AUGUST 22, 1973

KSC FORM 23 BIB (REV 4/21)

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE. AUGUST 22, 1973

PAGE TEST NO SV-40400R

TIME	сомм. сн	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	R	EMARKS
56 0.0 2 DAYS 8 HRS 01 0"			•				-
• •	ī8í	1	CL9C	CVTS	REQUEST LV CONTROLLED SWITCHING ACROS THE LV/SC INTERFACE BE LIFTED FOR'S-I POWER UP OPERATIONS;	S В .	
۱	î8i	2	CVTS	CPSS	VERIFY CLEARANCE TO LIFT LV CONTROLLE Switching Across the LV/SC interface For Saib Power up operations;	D	
	ī8í	3	CVTS	MSTC	LV CONTROLLED SWITCHING ACROSS THE LV78C INTERFACE IS BEING LIFTED FOR S#IB POWER UP OPERATIONS,	r	
	181 Em Pa	4	CVTS	-	CONTROLLED SWITCHING INCLUDING CONTROLLED SWITCHING ACROSS THE LVXSC INTERFACE IS LIFTED FOR SOIB POWER UP OPERATIONS AT PAD B;		
-					RF SILENCE IS STILL IN EFFECT AT PAD	в'	
· · ·	ī0i	5	CVTS	ELTC	POWER UP THE SBIB,		
	1 81	6	CLYC	EVIS	LV ORDNANCE INSTALLATION IS COMPLETE. READY TO REMOVE LV CONTROLLED SWITCHING.		
*	181	7	CVTS .	€PSS	LV ORDNANCE INSTALLATION IS COMPLETE; Verify Ready to Remove LV controlled Switching;		
1	1 81	. 8	CVTS	MSTC	LY ORDNANCE INSTALLATIONS IS COMPLETE		
•			:		LV CONTROLLED SWITCHING IS ENDED.		
	-		-	•	LV/SC INTERFACE CONTROLLED SWITCHING IS STILL IN EFFECT.		
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KSC, FORM 23 BIB (REV. 4/71) -

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SPACE	VEHICLE COUNTDOWN	 RESCUE VEHICLE
DATE	AUGUST 22, 1973 Original	
REVISION	ORIGINAL	LAUNCH OPERATIONS

REVISION

PAGE

VEHICLE

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TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
56 00 2 DAYS 8 HRS 01 0"	CONTI	NUED .			- -	
	181 Em	9	CVTS		LV ORDNANCE OPERATIONS ARE COMPLETE;	
	ΡĄ				LV CONTROLLED SWITCHING IS ENDED AT PAD B;	
				-	RF SILENCE AND LV/SC INTERPACE Controlled Switching are still in Effect at pad 0.	-
55 30 2 DAYS 7 HRS 301 0"						
	īði	1	MSTC	CYTS	CSM HEAVY ORDNANCE HOOKUP IS COMPLETE; Ready to glear the control area for CSM remote resistance checks;	
	181 Em Pa	2	CVTS		ALL NONGESSENTIAL PERSONNEL ARE TO CLEAR THE PAD B CONTROL AREA FOR CSM Remote resistance checks,	×
					ABGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	
	î8î	3	CVÎS	EPSS	CSM HEAVY ORBNANCE HOOKUP IS COMPLETE. CLEAR ALL NON®ESSENTIAL PERSONNEL FROM THE CONTROL AREA FOR CSM REMOTE RESISTANCE CHECKS, SC PERSONNEL ARE TO REMAIN IN COMPARTMENT 14.	
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TIME .	сомм. сн.	SEQUENCE	COMMAND STA.	STA.	DESCRIPTION	REMARKS
•				ļ		
5 00						
DAYS 7 HRS			}			
01 0"					•	
,	1 81	i	CPSS	CVTS	CLEAR TO START CSM REMOTE	
				Į	RESISTANCE CHECKS!	l
	181	2	CVTS	MSTC	START CSM REMOTE RESISTANCE CHECKS	н
(T A	•				•	l T
4 30 DAYS					•	
6 HRS				1		
_	1 81	1	MSTC	CVTS	COM REMOTE RESISTANCE CHECKS ARE	
	101	1			COMPLETE	
					CONTROLLED AREA HAY BE OPENED FOR	
					NORMAL WORK; VERIPY WHEN OPEN;	
, 					RF SILENCE IS NO LONGER REQUIRED.	
İ					CHANGE SMDPS FROM 25 SWITCH MODE TO	ļ
	-				208WITCH, 10VALVE MODE AND VERIFY.	
-					HAVE SUPPORT PICKUP SC ORDNANCE SPARES AT MSS LOW RISE ELEVATOR,	
~	181		CVTS	CPSS	CSM REMOTE RESISTANCE CHECKS ARE	
	101	2		6-33	COMPLETE.	
					VERIFY READY TO OPEN THE CONTROLLED	
					AREA FOR NORMAL WORK.	
					VERIFY READY TO RELEASE FIRE AND	
-		8			MEDICAL SUPPORY FROM SPACE VEHICLE ORDNANCE OPERATIONS;	
		3		EVTS	TURN RF SILENCE SWITCH OFF!	
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KSC FORM 23 818 [REV 4/71]

NASA KSC COME APR/71

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	UGUST RIGINA	22, 19 L	73		LAUNCH OPERATIONS Test NO.	SV-40400R Skylab r
TIME	сомм. сн.	SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION	REMARKS
₩54 30 №2 DAYS 6 HRS 301 0"	ĊONTI	NÜED	•			
	181 Em Pa	4	CVTS	L	CSM REMOTE RESISTANCE CHECKS ARE Complete.	
					RF SILENCE AND CONTROLLED SWITCHING ACROSS THE LV/SC INTERFACE ARE ENDED AT PAD B.	
		•	-		THE PAD B CONTROLLED AREA IS OPEN FOR Normal work;	
	ī8 <u>1</u>	5	CVYS	ELTC	CHANGE SMDPS FROM 2-SWITCH MODE TO 2=SWITCH, 1=VALVE MODE, REPORT WHEN COMPLETE.	
	181	6	CVYS	MSTC	THE CONTROLLED AREA IS OPEN FOR NORMAL WORK;	-
	ī8ī	7	CVTS	EYSC	SC ORDNANCE OPERATIONS ARE COMPLETE. THE CONTROLLED AREA IS OPEN FOR NORMAL WORK,	
					PICKUP SC ORDNANCE SPARES AT MSS LOW Rise Elevator,	
		•			RELEASE FIRE AND MEDICAL SUPPORT FROM SPACE VEHICLE ORDNANCE OPERATIONS;	
	ī8ī	8	CLŶC	CVTS	SMORS IS IN 2-GHITCH, 1-VALVE NODE!	
-	ī81	9.	CVTS	MSTC	SMOPS IS IN 20SWITCH; 1-VALVE MODE;	
-52 30 -2 DAYS 4 HRS 301 0"					ORIGINAL PAGE IS OF POOR OHAT	
	18ì	. 1	MSTC	CVIS	OF POOR QUALITY	
		-			_	
					· • • • •	

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

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	RIGINA				VEHICLE	SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARK:
52 00 2 DAYS HRS 1 0"						-
	1 81	i	MSTC	CVIS	REQUEST CLEARANCE TO TRANSPORT LH2 AND LO2 DEWARS TO PAD B.	
	18 <u>1</u>	2	CVÝS	CPSS	VERIFY CLEARANCE TO TRANSPORT LH2 AND LO2 DEWARS TO PAD B;	
	181	3	CVTS	MSTC	TRANSPORT LH2 AND LO2 DEWARS TO PAD B	н
1 30 DAY HRS 0' 0"				1		
	181	1	MSÝC	Ċyts	CLEAR CONTROL AREAS FOR LH2 DEWAR TRANSFER TO MSS LEVEL 44 AND LO2 DEWAR TRANSFER TO MSS +12 FOOT LEVEL:	
				•	CONFIGURE ELEVATORS FOR TRANSFER,	} - -
	i		-		REQUEST UPSS CLEARANCE FOR TRANSFER,	
					REQUEST GH2 HAZARD MONITOR SYSTEM BE ACTIVATED,	
· .					SEND SEHZ TO CH. 222.	
-	181 -	2	CVÝS	CPSS	CLEAR THE GONTROL AREAS FOR ARRIVAL OF LH2 AND LO2 DEWARS AND ROSITIONING ON SERVICE STRUCTURE, DEWARS ARE TO BE MOVED IN SERIES;	
		•		-	MAINTAIN CONTROL AREA AROUND DEWAR Convoy;	
	18 <u>1</u>	3	CVTS	CYSC	CONFIGURE AND OPERATE MSS LOW AND HIGH RISE ELEVATORS FOR LH2 DEWAR TRANSFER TO MSS LEVEL 44.	
				•	ACTIVATE GH2 HAZARD MONITOR SYSTEM. HAVE SEHZ REPORT TO MTPE ON CH. 222.	
		·,				
◆M /1838 [kLV						

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TIME	RIGINA COMM CH.		COMMAND STA	RESPONSE STA.	VEHICLE DESCRIPTION	SKYLAB REMARKS
-51 30 *2 DAY 3 HRS 30! 0"	ČONT I	NUED			· · ·	
	ī8 <u>1</u>	4	CTSC	CVTS	GHŻ HAZARD MONITOR SYSTEM IS ACTIVE.	
	ī81	5	CVÝS	MSTC	GH2 HAZARD MONITOR SYSTEM IS ACTIVE.	
51 00 2 DAYS 3 HRS 01 04					• • •	-
	181	1	CPSS	CVYS	CLEAR TO TRANSFER LH2 DEWAR TO MSS LEVEL 44.	
•	1 81	2	CVTS	MSTC	TRANSFER LH2 DEWAR TO USS LEVEL 44	н
	, ,			-	NOTE 	
50 30 2 DAY 2 HRS 301 0"					· ·	
•	181	1	MSŤC	CVTS	REQUEST CPSS OPEN MSS LEVEL 4A WITH Exception of Vicinity of Dehars;	
-	ì8í	2	CVTS	CPSS	VERIFY READY TO OPEN MSS LEVEL 4A FOR Normal Work With Exception of Vicinity OF Dewars;	
				[.		

	RIGIN/	1	COMMAND	PEOPONICE	- VEHICLE	SKYLAB
TIME	СН.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
50 30 2 DAY 2 HRS 30! 0"	CONTI		- 11			
	181	3	CVŶS	MSIC	MSS LEVEL 4A IS OPEN FOR NORMAL WORK WITH EXCEPTION OF VICINITY OF DEWARS;	
50 00 2 DAYS 2 HRS 01 0"						
	181 .	1	MSŸC	€v¶S	RELEASE MSS ELEVATORS PROM DEWAR TRANSFER:	
	ĪBÍ	- 2	CVTS	CTSC	RELEASE MSS BLEVATORS FROM Dewar transfer operations,	
	181	3	MSTC	EVIS	REGUEST CPSS CLEARANCE TO FLOW GH2;	
	ī8í	4	CVÝS	CPSS	VERIFY CLEARANCE TO FLOW GR2 FOR COM	н
	<u>181</u>	5	CVTS	MSTO	CLEAR TO FLOW GH2:	
	ībí	6	CĩSC	€V7S	OIS AND TELEPHONES ARE BEING DISCONNECTED FROM OIS FALLBACK TRAILERS:	
48 00 2 DAYS 0 HRS 01 04					بر ۱	
	ī81	1 -	CVTS	HSTC 8ltc Ctsc	REQUEST PURGE BOX VALIDATION STATUS;	
		-			-	
					- -	

	сомм.	T	COMMAND	DECIDINAL C		- r	
TIME	COMM. CH.	SEQUENCE	STA	STA.	DESCRIPTION		REMARKS
•							
Ì							
47 30							
1 DAY 23 HRS			•	L.			
301 01							•
			-				
					NOTE -		
	•	1		•	a ~0+		
					MSS PLATFORM 3 AND 4 ASR		
					CONDITIONING SYSTEMS ARE TO	-	
					BE POWERED DOWN PRIOR TO Starting CSM LO2 and LH2	ł	
			,		SERVICING, BOSC WILL COORDINATE SECURING WITH MSTC;		*
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973

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IMME COMMAND SEGURACE COMMAND RESPONSE DESCRIPTION -47 00 -1 DAY -1 DAY -23 HRS 0 URING LH2 FLOH, S 0'0" -1 DAY -23 HRS 0 DURING LH2 FLOH, S 0'0" -23 HRS -24 FECTION SYSTEM -25 FECTION SYSTEM 0'0" -25 FECTION -25 FECTION SYSTEM -26 FECTION SYSTEM 0'0" -27 OD -27 OD -27 OD -28 FECTION SYSTEM 0'0" -28 FECTION -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SYSTEM -28 FECTION SYSTEM 0'0" -28 FECTION SYSTEM -28 FECTION SY	VEHICLE	SV-40400F SKYLAB F
-1 DAY 23 HRS o' O"		REMARKS
	SEHZ SEHZ SEHZ METERS METERS METERS METERS SENT ALL A SENT SENT A SENT A SENT SE	

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 LAUNCH OPERA LAUNCH OREPATIONS

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PAGE 75 TEST NO SY-40400R

					VEHICLE	SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	REMARKS
47 00 1 Day 23 Hrs 01 0"		INUED		-	-	
	181	1	MSTC	CV7S	READY TO CLEAR THE CONTROLIAREA FOR CSM LH2 SERVICING;	
•					REQUEST COSS CLEARANCE TO START LH2 Servicing	
				-	CHANGE SHOPS FROM 2-SWITCH" 1-VALVE Mode to 1-Switch mode and verify,	
					ALL NONSEXPLOSION PROOF ELECTRICAL Equipment has been disconnected;	
	-				ŊĊŢĘ	
	-				SMDPS IS CONFIGURED FOR S-Switch at the completion of control area clearing;	•
	ībī	2	CVÝS	CLTC	CHANGE SMDPS FROM 268WITCH, 1-VALVE Mode to 2-Switch Mode, Report when Complete.	
	ī81	3	CVÝS	ËYSC	PROVIDE FIRE AND MEDICAL SUPPORT FOR CSM CRYO SERVICING:	
	181 Em Pa	4	CVŤS		ALL NONDESSENTIAL PERSONNEL ARE TO CLEAR THE PAD & CONTROL AREA FOR CSM CRYO SERVICING:	
					BOCOBORO BOWARNING BOCOBODO B B C C C C C C C C C C C C C	

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	сомм.	(COMMAND	RESPONSE	VEHICLE	
TIME	сн.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
47 00	CONTI	NUED			· ·	
1 DAY 23 Hrs					、	
01 04					· ·	
					•	
	ĩ8i	۰ 5	CVŤS	CPSS	CLEAR ALL NON-ESSENTIAL PERSONNEL FROM THE CONTROL AREA FOR CSM CRYD SERVICING, MSTC VERIFIES ALL NON- EXPLOSION PROOF ELECTRICAL EQUIPMENT HAS BEEN DISCONNECTED.	
	181	6	CLİC	evts	SMDRS IS IN 205WIYCH MODE:	
14 00					-	ì
46 00 1 DAY					· · ·	
22 HRS 0' 0"			.		· .	
	ī8î	1	CPSS	CVTS	CLEAR TO START CSH LH2 SERVICING	
					CLEAR TO CHANGE SMDPS PROM 27SWITCH Mode to 17Switch mode for LH2 Servicing	
	. 1 81	2	CVTS	ĈL TC	CHANGE THE SMDPS FROM 2-SWITCH MODE TO 1-SWITCH MODE, REPORT WHEN COMPLETE;	
	ī81	3	CLTC	CVIS	SMDPS IS IN 1-SWITCH MODE:	
	î8î	4	CVŤS	MSTC	START COM LH2 SERVICING.	н
					SMÉPS IS IN THE LOSWITCH MODE.	
43 00 1 DAY		-			· · ·	
19 HRS 01 0"						
	ī2ī	i	MSTC	CYTS	READY TO CLEAR CONTROL AREA FOR LOD Dewar transfer to MSS Level 44; Request CPSS clearance for transfer;	
					REQUEST CPSS CLEARANCE FOR TRANSFER	
					,	
]				•	

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE • PAGE 77

	COMM.		COMMAND	RESPONSE	BIERANITALL	REMARKS
TIME	сн.	SEQUENCE	STA.	STA.	DESCRIPTION	AERDANA
					,	
43 00	CONTI	NUED				
1 DAY 19 Hrs		1			· .	
01 01					•	
	181	2	CVÝS	CPSS	CLEAR CONTROL AREA FOR LO2 DEWAR TRANSPER TO MSS LEVEL 44.	
42 30						
1 DAY 18 HRS			,		<u>.</u>	
301 07						
	181	1	CPSS	CVTS	CLEAR TO TRANSFER LO2 DEWAR TO MSS Level 44:	
	181	2	CVTS	MSTC	TRANSFER LO2 DEWAR TO MSS LEVEL 44	H
•	101					
41 30						
1 DAY 17 HRS					· ·	
301 0"						
	ī8î	1	MSTC	CVTS	REQUEST CPSS CLEARANCE TO START CSH LO2 SERVICING,	-
	ī81	2	CVTS	EPSS	VERIFY CLEARANCE TO START COM LO2	
	101				SERVICING,	
	ī8ī	3	CVŤS	MSTC	START CSM LO2 SERVICING.	н
39 00 1 DAY						
15 HRS					· · ·	
0, 0	181	1	MSTC	EVTS	CSH PERSONNEL ARE CLEARING CONTROL	
•	101			00.3	AREA:	
					REQUEST COSS CLEARANCE TO START LOS	
					AND LH2 TANK PRESSURIZATION TO LESS THAN 25 PERCENT D'B;	
		· ·				

KSC FORM 23 BIR (REV 4/71)

nsion O	RĬĞÍNA	22, 193 L			LAUNCH OPERATIONS	SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
39 00 1 DAY 15 HRS 01 04	CON7 1	NUED				
	181 Em Pa	2	CV75		ALL PERSONNEL ARE TO CLEAR THE PAD B CONTROL AREA FOR CSM LO2 AND LH2 TANK PRESSURIZATION TO FLIGHT PRESSURES:	
					SUBASSESSESSESSESSESSESSESSESSESSESSESSESSE	
	181	3	CVTS	£PSS	CLEAR ALL PERSONNEL FROM THE CONTROL Area for CSM LO2 and LH2 tank Pressurization to flight pressures;	
					VERIFY READY TO START LO2 AND LH2 TANK PRESSURIZATION TO LESS THAN 25 PERCENT D.B.	
	181	4	cvts	MSTC	CLEAR TO PROCEED WITH LO2 AND LH2 YANK Pressurization to Less Than 25 Percent D.B.	
38 30 1 DAY 14 HRS 30' 0"			•		• •	
	ī81	1	CPSS	EVTS	CLEAR TO PROCEED WITH CSM LO2 AND LH2 TANK PRESSURIZATION TO FLIGHT PRESSURES;	
	181	2	CVTS	MSTC	CLEAR TO PROCEED WITH CSM LO2 AND LH2 Tank pressurization to flight pressures;	н
	•				ORIGINAL PAGE IS OF POOR QUALITY	

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TIME	сомм. сн,	SEQUENCE	COMMAND STA,	RESPONSE STA	DESCRIPTION	REMARKS
35 30 1 DAY 11 HRS 30 4 04	,					
	18I	1	MSTC	CV1S	CSM CRYO TANK PRESSURIZATION IS COMPLETE, TANK PRESSURES HAVE STABILIZED, REQUEST CLEARANCE FOR THO PERSONNEL TO RETURN TO MSS LEVEL 44 TO ESTABLISH CRYO VENT CAPABILITY;	
	181	2	CVTS	CPSS	CSM CRYO TANK PRESSURIZATION IS COMPLETE, TANK PRESSURES HAVE STABILIZED, VERIFY CLEARANCE FOR TWO PERSONNEL TO RETURN TO MSS LEVEL 4A TO ESTABLISH CRYO VENT CAPABILITY,	
	181	3	CVTS	MSTC	CLEAR FOR TWO PERSONNEL TO RETURN TO M99 LEVEL 4A TO ESTABLISH CRYO VENT CAPABILITY:	
-	ī81	4	MSTC	CVTS	CONTINUING O2 SURGE TANK PRESSURIZATION: READY TO OPEN THE CONTROLLED AREA FOR NORMAL WORK EXCEPT FOR THE CM INTERIOR: VERIFY WHEN OPEN: CHANGE SMDPS TO 2=SWITCH, 1=VALVE MODE AND VERIFY:	
	1 81	5	CVTS	CPSS	CSM HAZARDOUS CRYO SERVICING OPERATIONS ARE COMPLETE. VERIFY READY TO OPEN THE CONTROLLED AREA FOR NORMAL WORK EXCEPT FOR THE CM INTERIOR, SLA INTERIOR, IU AND S-IVB FORWARD AREAS. SHDPS GOING FROM 1-SWITCH MODE TO 2-SWITCH, 1-VALVE MODE!	-

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION ORIGINAL LAUNCHOPE LAUNCH OPERATIONS

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

COMMAND RESPONSE

STA.

STA.

AUGUSTA22, 1973

SEQUENCE

COMM.

CH.

TIME

-35 30 CONTINUED -1 DAY 11 HRS 301 0 CVTS 181 CSH LO2 AND LH2 CRYO PRESSURIZATION IS 6 ËM COMPLETE: CONTINUING O2 SURGE TANK P A PRESSURIZATION: THE PAD & CONTROLLED AREA IS OPEN FOR NORMAL WORK EXCEPT FOR THE CM INTERIOR, SLA INTERIOR, IU AND SAIVE FORWARD AREAS. ī8ì CVTS CLIC CHANGE SNDPS FROM 1-SHITCH MODE TO 7 208WITCH, 1-VALVE NODE! REPORT WHEN COMPLEYE! 181 CVÝS MSTC THE CONTROLLED AREA IS OPEN FOR NORMAL 8 WORK EXCEPT FOR THE CH INTERIOR, SLA INTERIOR; IU AND SOLVB FORMARD AREAS; 181 7 CLIC CVTS REQUEST PENE PERFORM SNIFFER CHECKS IN THE SLAF IU AND SHIVE FORWARD ARGAS AND VERIFY OXYGEN LEVEL IS AT 19,5 PERCENT OR GREATER. 181 CVYS 8 ersc PERPORM SNIFPER CHECKS IN THE SLA, IU AND SOIVB FORWARD AREAS AND HAVE PEHE ADVISE SYSTEMS SAFETY NHEN OXYGEN LEVEL IS AT 19'5 PERCENT OR GREATER; SMOPS IS IN A 2-SWITCH" 1-VALVE HODE. 181 9 CLTC EVTS. 181 CVIS HSTC SMOPS IS IN A 20SWITCH" LOVALVE MODE. 10

LAUNCH OPERATIONS

DESCRIPTION

181 1 MSTC CVTS 02 SURGE TANK PRESSURIZATION IS DOMPLETE: READY TO OPEN THE CM

OCMPLETE, READY TO OPEN THE CM INTERIOR FOR NORMAL WORK, VERIFY WHEN OPEN.

PAGE TEST NO

VEHICLE

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REMARKS

FOR FORM 23 BIB (REV 4/71)

-35 00 -1 DAY 11 HRS 01 0"

^{SION} 0	RIGINA	· L-			VEHICLE	·
TIME	COMM CH.	SEQUENCE	COMMAND STA.	RESPÓNSE STA.	DESCRIPTION	REMARKS
5 00 L DAY L HRS 0' 0"		NUED .			· · · ·	
	181	2	CVŶS	CPSS	02 SURGE TANK PRESSURIZATION IS COMPLETE.	
					VERIFY READY TO OPEN YRE CH INTERIOR For Normal Work;	
					VERIFY READY TO RELEASE FIRE AND Medical support from CSM Cryd Servicing.	
	181 Ем Ра	3	CVTS		O2 SURGE TANK PRESSURIZATION IS Complete: The CM interior is open for Normal Work:	
	181	4	CVIS	MSTC	CM INTERIOR IS OPEN FOR NORMAL WORK;	
-	181	5	CPSS	CVTS	SNIFFER CHECKS ARE COMPLETE, THE SLA Ingerior, IU and Spive Forward Areas Are open for Normal Work,	
	ī81	6	CVTS	ELTC MSTO	THE SLA INTERIOR, IU AND SAIVB Forward Areas are open for Normal Work at pad b,	
	181 Em PA	7	CVŦS		THE SLA INTERIOR, IU AND SHIVB Forward areas are open for Normal Work'	
•	18ī	8	CVTS	CTSC	CSM CRYO SERVICING IS COMPLETE! Release fire and medical support from CSM CRYO SERVICING.	
	181	9	CVIS	CLTC	REDUCE SAJA ECS FLOWRATE TO MINIMUM; Report when complete;	
			•		· ·	
		-	1		ORIGINAL PAGE IS OF POOR QUALITY	

KSC FORM 23 BIB [PEV 4/71]

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	COMM.	····	COMMAND	RESPONSE	VÉHICLE	
TIME	сн.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
55 00	CONT	NUED				
DAY 1 HRS						
01 04					·	}
					NOTE -	
		l	,	Į	- G U 9	
					SEQUENCE 9 IS TO BE	
		1			COMPLETED PRIOR TO Initiating sequences 10	1
			l		AND 11.	}
	703		SUDD	D. 20		
	181	ÍO	CVTS	CLTU	RECONFIGURE SAGE ECS "Y" DUCT TO FLIGHT CONFIGURATION, REPORT WHEN	
					COMPLETE;	
	ī81	11	CVŤS	ИЗТС		
					TO FLIGHT CONFIGURATION,	
					SAGO ECS FLOWRATE HAS BEEN REDUCED TO MINIMUM'	
					37 A 1 4 4 1 9	
					ŊOŢE	
					ر م س م م	
	•				SAGO ECS "Y" DUCT Reconfiguration is a	
				{	1 HOUR' SO MINUTE SCHEBULED	
i				{	TASK.	
	181	12	CÍSC	CVTS	AND TO	
	101	1 16	0130		CONDUCTED IN ONE HOUR! REQUIRE ACCESS	
				}	TO ALL HCC LONG LINES FOR 2 HOURS;	
34 00						
L DAY						
10 HRS 01 01					-	
	ï81	1	MSTC	CYTS	REQUEST CPSS CLEARANCE TO RRESSURIZE	
	101			0010	QN2 SPHERE TO 1405 PSIC:	
	1	1 .	1	1		1

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE: AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OP LAUNCH OPERATIONS

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TIME	COMM CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-34 00 -1 DAY 10 HRS 01 0"	CONTI	NUED				
	ī8ī	2	CVÝS	CPSS	VERIFY CLEARANCE TO PRESSURIZE CSM GN2 SPHERE TO 1485 PSIG.	
	181	3	CVTS	MSĩC	CLEAR TO PRESSURIZE GN2 SPHERE TO 1485 PSIG	
	18ï	4	CTSC	CVTS	MOVING LH2 AND LO2 DEWARS TO CRYO BLDGS, 1 AND 2.	-
	18 <u>1</u>	9	CTSC	CVTS	CONDUCTING END&TO-END COMM CHECKS; Access to All Long Lines to MCC For 2 Hours is Required;	
33 30 1 DAY 9 HRS 301 0"	-					
-	ĩ8 <u>í</u>	1	MSŶC	ēvīs	RAISE SARD ECS FLOW RATE TO 75 + OR & 5 LBS/MIN.	
	ī8i	2	CVTS	6710	INCREASE SM ECS FLOW RATE TO 75 + OR - 5 LBS/MIN.	
33 05 1 DAY 9 HRS 5! 0"						
-	ī8 <u>1</u>	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR CSM FREQUENCIES 2106.4: 2272.3: 2287.5: 259.7 AND 296.8 MHZ AND LV FREQUENCIES 240.2: 280.7: 285.1. 256.2: 288.5 AND 490.0 MHZ FOR GMIL ONGSTATION CALIBRATION!	
	ĩ8i	2	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR CSM FREQUENCY 2207'5 MHZ FOR CIP ANTENNA CALIBRATION;	
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KSC FORM 23 816 [REV: 4/71]

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TIME	COMM.		COMMAN		VEHICLE	SKYLAB
	СН.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
77 00					,	
33 00 1 DAY						
9 HRS 01 0"						
•••	707		04-1	DUED		
	181	1	GMIL	CVTS	VERIFY RADIATION CLEARANCE FOR ONSSTATION CALIBRATION	
	· 181	2	CTSC	CVTS	•	1
	*			0,10	ANTENNA CALIBRATION	
• -						
28 00 1 Day					·	
4 HRS					· · ·	
U, D.,	. .		·		•	
	181 1	1	GMIL	Ĉvĩs	ON'STATION CALIBRATION IS COMPLETE: GMIL RF IS OFF:	
	ī8í	2	CVTS	SRO		
		٤	0113		GMIL ON STATION CALIBRATION IS COMPLETE: GMIL RF IS DFF.	
	i8i	3	CTSC	CVTS	CIF ANTENNA CALIBRATION IS COMPLETE:	
					TERMINATE CLEARANCE FOR 2207.5 HHZ	
	181	4	CVTS	SRO	CIF ANTENNA GALIBRATION IS COMPLETE.	•
					CIF RF IS OFF.	
26 30	_				• • •	
L DAY	,		•		· · ·	-
2 HRS 30' 0"						
	ī8ĭ	1	CVÝS	CYSC	VERTEX -ID- COURT - O AN OF ROOM AND	
	~	*	0110	-	VERIFY FIRE TRUCK IS ON STATION AND EHERGENCY EQUIPMENT IS AVAILABLE	
•					FOR LV BATTERY INSTALLATION;	
	181	2	CLIC	evts	VERIFY FIRE TRUCK IS ON STATION AND	
					EMERGENCY EQUIPMENT IS AVAILABLE For LV BATTERY INSTALLATION:	
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				2		
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OP DATE LAUNCH OPERATIONS

PAGE TEST NO.

VEHICLE

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TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-26 00 -1 DAy 2 HRS 0' 0"	•					
-	1 81	1	CV7S	67SC	RESERVE ML ELEVATOR 1 FOR 30 MINUTES For IU and Solve battery Move!	
					RESERVE MSS LOW RISE AND HIGH RISE Elevator for 30 minutes for S-1B Battery Move,	
	ī8ī	2	CVÝS	6L î C	MSS LOW RISE AND HIGH RISE ELEVATOR Reserved for 30 minutes for 8~18 Battery Move,	
					ML ELEVATOR 1 IS RESERVED FOR 30 MINUTES FOR IU AND SOIVB BATTERY MOVE.	
	ī81	3	CISC	CVTS	REGUEST CLEARANCE TO LOWER HL LIGHTNING MAST ON HAMMERHEAD CRANE AT T-25 OO FOR LIGHTNING WARNING SYSTEM TEST:	
-25 35 -1 DAY 1 HR 351 0"	ī81	-	CVTS	EPSS	VERIFY EMERGENEY BATTERY REMOVAL CREW	
					IS ON STATION FOR LV BATTERY Installation;	
-25 30 =1 DAY 1 HR 301 0"						
、	181	1	CLYC	CVTS	RELEASE ML ELEVATOR 1 FOR NORMAL Service:	
,	1 81	2	CVTS	ETSC	RELEASE ML ELEVATOR 1 FOR NORMAL Service.	•
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE PATE: AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPERATIONS

COMM. COMMAND RESPONSE REMARKS DESCRIPTION SEQUENCE TIME ¢н STA STA. CONTINUED -25 30 -1 DAY 1 HR 301 0" ï8ï CLTC CVIS RELEASE MSS LOW RISE AND HIGH RISE 3 ELEVATOR FOR NORMAL SERVICE. RELEASE MSS LOW RISE AND HIGH RISE 181 CVÝS CVSC 4 ELEVATOR FOR NORMAL SERVICE. NOTE . H = U = LV BATTERIES ARE SCHEDULED TO BE INSTALLED DURING. THE NEXT 2 HOURS 30 HINUTES, -25 00 • -1 DAY 1 KR 01 01 ĩ81 MSTC CLEAR TO TERMINATE AND DISCONNECT HSS/ CVTS 1 PAD GHE AND GN2 LINES. CLEAR TO SECURE GH2 HAZARDOUS MONIFOR SYSTEM!

CVTS CLEAR TO TERMINATE AND DISCONNECT 181 CYSC 2 MSS/PAD GHE AND GN2 LINES, SECURE BH2 HAZARDOUS MONITOR SYSTEM. **181** 3 CISC CYTS GH2 HAZARDOUS RONITOR SYSTEM SECURED. -24 30 HI DAY 0 HRS 1 301 0" CTSC CVTS ML LIGHTNING MAST RAISED. 181 1

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KSC 108M 23 818 [REV 4/71]

PAGE

87 SV-40400R

	NUGUST DRIGIN/	•			- LAUNCH UPPRATIONS	V-4040(SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
24 00 1 DAY 0 HRS 0! 0"					-	
	181	1	CTSC	CYTS	REQUEST THAT A PAGE BE MADE TO Secure all ois monitor speakers For the Remainder of the countdown;	,
	181 Em Pa	2	CVTS		ALL OIS MONITOR SPEAKERS ARE TO BE SECURED FOR THE REMAINDER OF THE COUNTDOWN,	
23 HRS 51 0"					• •	•
	ī81	í	CVÝS	ՇԼፕՇ	RANGE SAFETY COMMAND CARRIER IS COMING ON FOR ETR COMMAND VALIDATION TEST	
				-	VERIFY IU COMMAND RECEIVER/BECODER IS OFP.	
					VERIFY DRSGS RECEIVERS ARE OFF;	
23 HRS 01 0"						
	18 1	i	CLÝC	CVIS	LV APPLYING POHER	
	ĩði	2	CLŤC	€¥†S	LV BATTERY INSTALLATION IS COMPLETE, Release fire truck and emergency equipment.	
	₹8 <u>1</u>	3	CVÝS	e pss	LV BATTERY INSTALLATION IS COMPLETE; VERIFY READY TO RELEASE FIRE TRUCK AND EMERGENCY EQUIPMENT;	
	ī8ī	4	CVTS	etsc	LV BATTERY INSTALLATION IS COMPLETE; Release fire truck and emergency equipment from LV battery installation;	
	:					•
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SPACE VEHICLE COUNTDOWN DESCHE VENTOLE

KSC FURM 23 818 (REV 1/71)

	RIGINA	22, 19: L				SV-4040 SKYLAB
ENVE	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
3 HRS	ĊONTĪ	NUED			,	
	ĩ8ĩ	5	SRO	€vĩS	RANGE SAFETY COMMAND CARRIER IS Coming on for ETR command validation TEST.	
			•.		VERIFY IU COMMAND RECEIVER/DECODER IS OFF:	
					VERIFY DRSCS RECEIVERS ARE OFF:	
2 HRS 01 0"					· · ·	
	ī81 -	i	CLTC	CVTS	READY FOR TCS FUNCTIONAL TEST. Request permission to place CDC in Local Control.	
-	181 Em Pa	2	CVTS		THE CDC WILL BE RESET TO TAJI15" AND OCUNTDOWN WILL BE INITIATED TO SUPPORT TCS FUNCTIONAL TEST;	
	ī8ī	3	C⊾ŤC	CVTS	CDC SUPPORT FOR THE TCS FUNCTIONAL TEST IS NO LONGER REQUIRED; CDC May be reset for countdown;	
	181 9M Pa	4	¢VÌS		THE TOS FUNCTIONAL TEST IS COMPLETE. THE ODC WILL BE RESET AND COUNTDOWN INITIATED ON MY MARK;	
					5 5 4 R 3 R 2 P 1 R MARK,	
2 HRS 51 07			*			
	ī8i	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR THE LV LOCAL RANGE SAFETY COMMAND CARRIER FOR DRSCS PREPS' PROTECTION IS NOT REQUIRED.	
					ORIGINAL PAGE IN OF POOR QUALITY	

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	RIGINA	· ····································		RESPONSE		SKYLAB
TIME	COMM. CH.	SEQUENCE	STA	STA.	DESCRIPTION	REMARKS
-						
						1
22 HRS						
	181 1	Í	CLÝC	av TC	LV POWER IS ON!	
		1	01, 70	6415	TA LOWER TO DIA!	
	181	2	SRO	EVTS	ETR COMMAND VALIDATION TEST IS COMPLETE: RANGE SAFETY COMMAND CARRIER IS OFF;	
	ī81	3	CV7S	BLTC	ETR COMMAND VALIDATION TEST IS Complete: Range Safety Command Carrier is off:	
	18 <u>1</u>		CLTC	AV46	REQUEST CLEARANCE FOR L'OCAL RANGE	
	101	4		UY IQ	SAFETY COMMAND CARRIER! (PROTECTION IS NOT REQUIRED;)	
21 HRS 51 0"						
	ī81	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR LV Local open Loop IU command carrier; protection is required;	
					VERIFY RADIATION CLEARANCE FOR LV FREQUENCIES 240.2, 256.2, 258.5, 258.7, 255.1 AND 5765 MHZ,	
21 HRS 07 0"						
	ī81	1	CLTC	EVIS	VERIFY CLEARANGE FOR LOCAL OPEN LOOP IU COMMAND CARRIER (PROTECTION IS REQUIRED):	-
	. .				VERIFY CLEARANCE FOR LV FREQUENCIES 240,2, 256,2, 258,5, 250,7, 255,1 AND 5765 MHZ;	

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	RIGIN/	22, 19 AL	COMMAND	RESPONSE		
lime	СН.	SEQUENCE	STA.	5TA.	DESCRIPTION	KEHLAKAJ
-20 HRS 301 0"			•	1	· · ·	
	181	1	c∟ĭc	CVTS	LOCAL OPEN LOOP IU COMMAND GARRIER AND IU COMMAND RECEIVER/DECODER ARE ON,	
	181 1	2	cvts	SRO	VERIFY RANGE IS READY TO SUPPORT LV Radar checks with readouts;	
-	₹8 <u>1</u>	4	CLTC	ĈVTS	REQUEST MSS ELEVATOR 2 (WEST) BE Locked out at MSS platform 5 and MSS Platform 2 be position below LV Station 1400 to support long range Theodolite checks;	~ H
	ī8ī	-	CV†S	CTSC	LOCK OUT MSS ELEVATOR 2 (WEST) AT MSS PLATFORM 5 AND POSITION MSS PLATFORM 2 BELOW LV STATION 1400 TO SUPPORT LONG RANGE THEODOLITE CHECKS;	
					STATION OPERATOR IN MSS ELEVATOR 1	
-20 HRS 251 0"				•	- · · ·	
	ī8ī	1	CLŤC	EVTS	REQUEST RANGE INTERROGATE RADAR BEACON 2' REPORT RANGE READOUT TO VURF ON CH: 264.	
	<u>181</u>	2	CV†S	SRO	INTERROGATE RADAR BEACON 2 AND Report readouts to vurf on CH. 264.	
~20 HRS 17' 0"						
	181 1	1	CLTC	EVIS	REQUEST RANGE SUPPORT DRSCS PREPS ON CH, 264 PER V=38000; SECTION 14	
	181	2	CVTS	SRO	STANDBY ON CH, 264 FOR LV DRSCS OPEN LOOP TEST PREPS PER V∞38000. SECTION 14.	
		,			ORIGINAL PAGE IS OF POOR QUALITY	

·					VEHICLE	SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMANI STA	RESPONSE STA.	DESCRIPTION	REMARK:
-20 HRS 51 04				u		
	181	1	CVTS	SRO	VERIFY RADAR BEACON 2 READDUTS ARE Complete:	
			-		STANDBY TO INTERROGATE RADAR BEACON 1.	
	ī8ī	2	CLŶC	CYTS	VERIFY RADAR BEACON 2 READOUTS ARE COMPLETE.	
					STANDBY FOR RADAR BEACON 1	
	í8í	3	CLŤC	EVTS	REQUEST RANGE INTERROGATE RADAR BEACON 4, REPORT READOUTS TO VURF ON CH. 264,	
-	181 1	4	CVŶS	SRO	INYERROGATE RADAR BEACON 1 AND Report readouts to vurf on CH; 264;	
-19 HRS 481 D"						
	ī8î	Í	CVŦS	SRO	VERIFY RADAR BEACON INTERROGATION	
19 HRS 451 0"						-
	181 1	1	CLTC	Evis	VERIFY RADAR BEACON INTERROGATION COMPLETE:	
	18 <u>1</u>	2	୯୩୫୦	evis	MSS ELEVATOR 2 (WEST) IS LOCKED OUT AT MSS PLATFORM 5 AND MSS PLATFORM 2 IS BELOW LV STATION 1400,	
			1		OPERATOR IS STATIONED IN MSS ELEVATOR 1.	
	181	3.	CLŶC	CVIS	VERIFY WEST MSS ELEVATOR 2 18 Locked out at MSS platform 3 and MSS Platform 2 IS below LV station 1400 to support long range theodolite Checks;	

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NASA KSC COML APR/71

TIME	сомм	SEQUENCE	COMMAND		DESCRIPTION	REMARK
	СН.		STA.	STA.	· · · · · · · · · · · · · · · · · · ·	
					,	
19 HRS 251 0"						
	ī8 <u>1</u>	1 ,	CLIC	CVTS	ADVISE CPSS THAT PAD RSCR ENABLE Jumpers are installed;	
· .	ī8ī	2	CVTS	₿₽\$\$	LV PD RSCR ENABLE JUMPERS ARE . Installed:	
19 HRS 221 0"					· · · ·	-
	ĩði	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR THE LV LOCAL RANGE SAFETY COMMAND CARRIER FOR LV POWER TRANSFER TEST: PROTECTION IS REGUIRED.	
19 HRS 201 0"						
	181	1	ເພາເ	EVTS	REQUEST CLEARANCE FOR LOCAL CLOSED LOOP IU COMMAND CARRIER (PROTECTION IS NOT REQUIRED; LOCAL OPEN LOOP IU COMMAND CARRIER IS COMING OFF:	
	Īðī	2	CVTS	SRD ,	VERIFY RADIATION CLEARANCE FOR LV LOCAL CLOSED LOOP IU COMMAND CARRIER; PROTECTION IS NOT REQUIRED; LV LOCAL OPEN LOOP IU COMMAND CARRIER IS COMING OPF;	
	18 <u>1</u> -	3	CVTS	€⊾۴С	BRING UP LOCAL CLOSED LOOP IU Command Carrier,	
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NASA KSC COML APR/71

ision O	UGUST RÍGINA	22, 19 \L	73			V-40400 SKYLAB
TIME	сомм. СН	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
19 HRS						
171 OU	ī8ī	1	CLÌC	CVTS	LV PROCEEDING WITH POWER TRANSFER Test.	
					REGUEST RANGE INTERROGATE AND MONITOR Radar beacons for any changes;	
					REQUEST OPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLYN:	
	ĩ8î	2	CVTS	SRO	STANDBY ON CH, 261 TO INTERROGATE AND Monitor Radar beacons for changes During LV power transfer,	
					NOTE Dege	
					BOTH RADAR BEACONS ARE DN.	
	18 1	3	CVTS	EPSS	RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN.	
	181	6	CPSS	CVIS	DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN,	
	181 1	5	CLTC	CVIS	VERIFY CLEARANCE TO BRING OP THE LV Local Range Safety command carrier; (protection is reguired;)	
L9 HRS 151 0"				-		
	ī8ĭ	1	CVÝS	SRO	VERIFY RADAR HAD NO CHANGES DURING LV POWER TRANSFER TEST	- - - -
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EVISION OF	UGUST RIGINA	· — • ——			LAUNCH OPERATIONS ST	·····
TIME	COMM, CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
19 HRS 121 0"						
	1 81	1 -	CLÍC	CVTS	POWER TRANSFER TEST IS COMPLETE,	
					DESTRUCT SYSTEM ENABLE KEY RETURNED TO CPSS	
					LOCAL RANGE SAFETY COMMAND CARRIER IS OFF;	
ļ					VERIFY RADAR BEACONS HAD NO CHANGES	
	ī8i	2	CPSS	EVTS	DESTRUCT SYSTEM ENABLE KEY RETURNED;	
	181	['] 3	CVŤS	SRO	LV LOCAL RANGE SAFETY COMMAND CARRIER IS OFF;	
	18 <u>1</u>	4	CLYC	CVTS	THEODOLITE CHECKS ARE COMPLETE:	
					MSS ELEVATOR 2 (WEST) AND PLATFORM 2 ARE RELEASED FOR Normal Service;	
	i8i '	5	CVTS	CISC	THEODOLITE CHECKS ARE COMPLETE;	
					RETURN MSS ELEVATOR 2 AND RLATFORM . 2 TO NORMAL SERVICE.	
19 HRS 51 04						
	ī8ī	i	CVŤS	SRO	VERIFY READY TO SUPPORT LV DRSCS OPEN Loop test with test code plugs;	
	ī8 <u>1</u>	2	CVTS	CL YO Mstc	COMM CHECKS ON CH: 1817 212, 261 AND ABORT ABVISORY LOOP WILL BE RUN NIB DURING THE NEXT 15 MINUTES WITH FORWARD OBSERVER SITES 12, 16 AND 17 FOR PHOTO OPTICS VALIDATION.	
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KSC FC19M 23 818 [REV 4/71]

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SPACE	VEHICLE COUNTDOWN	-	RESCUE VEHICLE
DATE.	AUGUST 22, 1973		LAUNCH OPERATIONS
REVISION	ORIGINAL		LAUNCH OPERATIONS

USION C	DRIGINA	L				SKYLAB
TIME	COMM. CH,	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	` REMARKS
L9 HRS 0' 0"		Í	Clýc	CVTS	VERIFY THE RANGE IS READY TO SUPPORT	
		-			OPEN LOOP DRSCS TEST WITH TEST CODE PLUGS,	
					REQUEST COSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN'	
	101	2	CVÝS	CPSS	RELEASE DESTRUCT SYSTEM ENABLE KEY To clvn;	
	ĩ8 <u>1</u>	3	CPSS	Evts	DESTRUCT SYSTEM ENABLE KEY RELEASED To clyn'	
	18i	4	CLIC	CVTS	REQUEST RANGE SAFETY COMMAND Carrier 1 on and Verify'	4
•	18 <u>1</u>	5	CV†S	SRO	RANGE SAFETY COMMAND CARRIER 1 . ON AND VERIFY,	
	18 <u>1</u>	6	SRO	€v7S •	RANGE SAPETY COMMAND CARRIER 1 IS ON:	
	181	7	CVŤS	CLIC	RANGE SAFETY COMMAND CARRIER 1	~
	ī8ī	8	CLTC	CVTS	REQUEST SRO SWITCH TO CH. 261 TO Support drscs fest.	
	i81	9	CVTS	SRÖ	STANDBY ON CH, 261 FOR LV DRSCS OPEN LOOP TEST:	
					NOTE	
			-		THE LV DRSES OPEN LOOP TEST IS IN THE LV PROCEDURE, CLTC WILL COONDINATE WITH SRO IN BRINGING UP RANGE SAFETY COMMAND CARRIER 2.	
	· ·					
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TEST NO

SV-40400R SKYLAB R

TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
			,		·	
9 HRS 01 0"	CONTI	NUED		F	•	
	ī81	10	CISC	CV7S	MSS ELEVATOR 2 RETURNED TO NORMAL Service.	
	181	11 -	CTSC	CVTS	NEED NIB CHECKS ON CH. 181, 212, 261 AND ABORT ADVISORY LOOP FROM UCS 12, 16, AND 17 TO FIRING ROOM CONSOLES AB5 AND AB8 TO PERFORM PHOYO OPTIC6 VALIDATION AT BORWARD OBSERVER SITES FOR NEXT 15 MINUTES,	
L8 HRS 551 0"						
	181	· 1	CLŤC	EVTS	DRSCS OPEN LOOP TEST IS COMPLETE.	
					DESTRUCT SYSTEM ENABLE KEY RETURNED To CPSS.	
					REQUEST RANGE SAFETY COMMAND CARRIER OFF.	
	181	2	CPSS	CVTS	DESTRUCT SYSTEM ENABLE KEY RETURNED;	.
	ī81	3	CVTS	SRO	RANGE SAPETY COMMAND CARRIER OFF AND VERIFY;	
	18 <u>1</u>	4	SRO	EVTS	RANGE SAFETY COMMAND CARRIER IS OFF;	
1	î81	5	CL TC	EVTS	REQUEST SRO RECONFIGURE TO FLIGHT Code plugs:	
-	ī81	6	CVTS	SRO	RECONFIGURE TO FLIGHT CODE PLUGS	
	ĭ8i	7	CVÝS	SRO	VERIFY RADIATION CLEARANCE FOR THE LV LOCAL RANGE SAFETY COMMAND CARRIER; PROTECTION IS REQUIRED!	
					STANDBY ON CH, 261 POR LV DRSCS CLOSED LOOP TEST:	
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	RIGINA	22, 19 L	/ /		LAUNCH OPERATIONS		40400 YLAB
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION		REMARKS
18 HRS 351 0"							
	1 81	1	CLTC	EVIS	REQUEST SCO RERSONNEL ON CH. 223 FOR Abort Light Vebification.		
	•		· ·		REQUEST EDS POWER ON		
	ī8i	2	CVÝS	MSTC	SCO PERSONNEL ARE REQUIRED ON CH. 223 FOR ABORT LIGHT VERIFICATION.		
					TURN EDS POWER ON.		-
-	ī8i	3	CLYC	e <u>v</u> 75	VERIFY CLEARANCE TO BRING UP THE LV LOCAL RANGE SAFETY COMMAND CARRIER (PROTECTION IS REQUIRED): VERIFY RANGE IS READY TO SUPPORT BRSCS CLOSED LOOP TEST ON CH: 262.		
	18 <u>1</u>	4	CLŶC	€¥₹S	REQUEST CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN,		
	ī8 <u>i</u>	5	CVTS	0PSS	RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN:		
	ī8 <u>1</u>	6	CPSS	ËVTS	DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN.	~	
					NOTE 		•
				•	THE DETAILED SEQUENCES For the drscs closed Loop test are in the LV procedure,	,	
18 HRS 301 0"							
	ī81	1	CVTS	EYSC	AAS POWER BUSSES WILL BE REQUIRED IN 1 HOUR, HAVE DWIC MONITOR CH. 181		
	ï81	2	BMIC	EVTS	AAS POWER SUPPLIES ARE COMING ON.		
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE: AUGUST 22, 1973 LARNCH ODERATIONS

KSC FORM 23-818 (REV 4/71)

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NASA KSC COML APR/71

	RIGINA					VEHICLE	SKYLAB
TIME	сомм. СН	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION		REMARKS
18 HRS 301 0"	CONTI	NUED					
					NOTE		
					POWER BUSS LIGHTS ON CONSOLE Abgg may be activated during Voltage Checks,		
	ībī [.]	3	MSTC	€VŸS	EDS POWER IS ON!		-
					SCO PERSONNEL ARE ON CH. 223 FOR ABORT LIGHT VERIFICATION,		
	18 <u>î</u>	4	CVÝS	CLTC	SCO PERSONNEL ARE ON CH: 223 FOR Abort Light Verification,		
					EDS POWER IS ON!		
	ĪBI	5	CL?C	ØVTS	ABORT LIGHT CHECK COMPLETE!		
					LV NO LONGER REQUIRES EDS POWER		
	ĩ81	6	CVTS	HSTC	ABORT LIGHT CHECK COMPLETE!	ĸ	
					REQUEST EDS POWER OFF;		
	ī0ï	7	MSTC	EVTS	EDS POWER IS OFF.	-	
	18î	8	CLÎC	€¥îs	KSC SYSTEMS SAFETY SUPPORT HILL E REQUIRED IN 30 MINUTES ON AL LEVE FOR GH2 SNIFPER CHECKS OF THE Sel HEAT EXCHANGER!	EL 240	
	181	9	CVÝS	CPSS	SYSTEMS SAFERY SUPPORT WILL BE Reguired in 30 minutes on HL Leve For GH2 Sniffer Checks of The Sat Heat Exchanger;	L 240 V	
	ī8i	10	CLTC	CVĩS	DRSCS CHECKS COMPLETE;		
					LOCAL RANGE SAFETY COMMAND CARRIE OFF AND DESTRUCT SYSTEM ENABLE KE KEY RETURNED TO CPSS;		
					, .		

KSC FC/RM 23 818 (REV 4/71)

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EVISION U	ORIGINAL						
TIME	COMM. CH.	SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION	REMARKS	
18 HRS 301 0"	CONTI	NUED					
	181	11	CPSS	CVTS	DESYRUCT SYSTEM ENABLE KEY RETURNED;		
•	181	12	CVTS	SRQ	LV DRSCS RANGE CLOSED LOOP TEST IS Complete.		
	,				LV LOCAL RANGE SAFETY COMMAND CARRIER IS OFF;		
			•		LV DRSCS SUPPORT IS NO LONGER Required,		
18 HRS		-			. ,		
•	ï8í	i	CLTC	CVIS	REQUEST CLEARANCE FOR LOCAL OPEN LOOP IU COMMAND CARRIER (PROTECTION IS REQUIRED).		
、	1 81	2	CVŤS	9R0	VERIFY RADIATION CLEARANCE FOR LV LOCAL OPEN LOOP IU COMMAND CAR <u>RIER</u> ; PROTECTION IS REQUIRED;		
	ī8ī	3	CVTS	CLTC	BRING UP LOCAL OPEN LOOP IU COMMAND Carrier;		
	181	4	CLIC	evis	LOCAL OPEN LOOP IU COMMAND CARRIER IS ON' LOCAL CLOBED LOOP IU COMMAND CARRIER IS OFF!		
-	ī8î	5	CVTS	SRO	LV LOCAL CLOSED LOOP IN COMMAND Carrier is off:		
18 HRS 01 0"				ļ		,	
-	181	1	CTSC	CVTS	ML EGRESS SPRAY SYSTEM AND ML LES Spray System Will be configured in Readiness configuration and remote Control;		
	ī8ī	2	CLIC	Evĩs	ADVISE CPSS THAT PD ENABLE JUMPERS Have been removed;	·	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE: AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OP PAGE TEST NO LAUNCH OPERATIONS

100 SV-40400R

SKYLAB R

KSC. FC/R/A 23 618 [REV. 4/21]

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NASA KSC COML APR/71

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TIME	COMM.	SEQUENCE	COMMAND		DESCRIPTION	REMA
	СН,		STA	STA.		
●18 HRS 01 0"	CONTI	NUED				
	ī8ī	3	cvts	EPSS	LV PD ENABLE JUMPERS HAVE BEEN REMOVED;	
-17 HRS 451 0"			•		· · ·	
	ī0ī	1	MSTC	CVIS	CSM READY POR SC CONTROL OF SATURN ATTITUDE COMMAND CHECKS.	
	ī8ī	2	CVÝS	CLTC	CSM IS READY FOR SC CONTROL OF SATURN ATTITUDE COMMAND CHECKS ON CH. 212	-
			· ·		NO TE	
-					SATURN ATTITUDE COHMAND Checks are scheduled to Occur during the next B minutes,	
-17 HRS 401 0"						
	18 1	ì	CLYC	EVIS	REQUEST SCO PERSONNEL ON CH. 223 TO Perform Ft025.	
	ī8í	2	CVTS	MSTC	CSM PERSONNEL ARE REQUIRED ON CH, 223 To support FT=25.	
	ī8i	3	CLIC	ĊVTS	IU COMMAND RECEIVER/DECODER IF OFF Local Open Loop IU command carrier Is coming off.	
	īði	4	CVŦS	SRO	LV LOCAL OPEN LOOP IU COMMAND Carrier is coming off.	
					ORIGINAL PAGE IS OF POOR QUALITY	

TIME	COMM CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
	•					
17 HRS 301 04						
-	ī8ī	1	CLTC	CVTS	LV READY FOR EDS TEST, REQUEST SCO	
	T.0.T				PERSONNEL SHITCH TO CH. 223.	
	ī8ï	2	CVÝS	LOM	SWITCH TO CH. 223 FOR EDS TEST:	
	ī8ī	3	CVTS	MSTC	SCO PERSONNEL ARE REQUIRED ON CH, 223 For EDS TEST, TURN EDS PONER ON,	
	<u>1</u> 81	4	MSŤC	CVTS	CSM EDS POWER IS COMING ON!	
•					SCO PERSONNEL ARE ON CH. 223 FOR EBS	
	702		aveo	8.96	SCO PERSONNEL ARE ON CH. 223 FOR EDS	
	18ĭ	5	CVTS	CLYC	TEST.	
	223	6	CVTS	LOM	VERIFY THE FOLLOWING SWITCHES ON THE	
					ABORT REQUEST PANEL ARE OFF ABORT Request enable; Abort request a, and	
					ABORT REQUEST B	
	18ī	7	CVIS	BHIC	TURN ON AAS RECORDERS AT FASY SPEED	-
					TURN ON AAS POWER BUSSES,	
		8		LOM	NOTE THAT THE FOLLOWING LIGHTS ON THE	
					ABORT REQUEST PANEL GO ON POWER . Supply 1, 2, 3, AAS Supply, And	
					ORDNANCE SAFE,	
•	223	9	CEDK	гон	ABORT REQUEST ENABLE . ON,	
	223	10	LOH		ABORT REQUEST A ENABLED AND REQUEST B	
					ENABLED LIGHYS & ON'	
					NOTE	
					SeCu UA C	
					IN THE FOLLOWING SEQUENCE.	
					DO NOT OPERATE BOTH Switches simultaneously,	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DAIL AUGUST 22, 1973 • . .

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NASA KSC COMI APR/71

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640M 0	RIGINA				VEHICLE	¥r4288
n.eef	сомм.	SEQUENCE	COMMAND STA	STA.	DESCRIPTION	REMARK
7 HRS	CONTI	NUED			· · · ·	
	223	11	CEDK	LQM	ABORT REQUEST A AND ABORT REQUEST B Switch on.	
		12		LOM	NOTE THAT REQUEST A TRANSMITTED AND Request & transmitted lights go on'	
	223	13	SCDR		ABORT LIGHT - ON.	
	223	14	CEDK	LOM	ABORT REQUEST & AND ABORT REQUEST B Switches - OFF:	
		15		LOM	NOTE THAT REQUEST A TRANSMITTED AND REQUEST B TRANSMITTED LIGHTS GO OFF.	
	Ż23	16	SCDR		ABORT LIGHT - OFF	
	181 	17	CTSC	CVTS	ML EGRESS SPRAY SYSTEM AND ML LES Spray system in readiness configuration and remote control:	
	181	18	¢ïsC	€v †s	MSS LES SPRAY SYSTEM ON PLATFORM 5 AND MSS LEVELS DELUGE ON LEVELG 4A;-4C; 3A" 3C AND 522 FOOT LEVEL WILL BE SECURED;	
	18 <u>1</u>	19	CLTC	CVTS	ADVISE CPSS THAT PD ENABLE JUMPERS HAVE BEEN REHOVED,	•
	ībī	20	CVTS	Ç PSS	LV PD ENABLE JUMPERS HAVE BEEN REMOVED.	
	ī8i	21	ՇԱԾՇ	CYTS	PROVIDE FIRE SUPPORT ON THE 127 FOOT LEVEL OF THE ML IN 1 HOUR FOR THRUST JACKET FILL OPERATIONS	
	ībi	22	CVTS	EYSC ·	PROVIDE FIRE SUPPORT ON THE 127 FOOT LEVEL OF THE ML IN 1 HOUR FOR THRUST JACKET FILL OPERATIONS	
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					VEHICLE	
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-17 HRS 01 04				-		
	ībi	1	CLÝC	EVIS	EDS TEST IS COMPLETE.	
	î8î	2	MSYC	EVIS	EDS POWER IS OFF.	
	552	3	CEDK	LOM	ABORT REQUEST ENABLE SHITCH - OFF	
	181	4	Ц.Ом 		ABORT REQUEST A ENABLED AND REQUEST B Enabled lights - off.	
,	ībi	5	CVTS	BHIC	TURN OFF AAS POWER BUSSES AND AAS Event recorders;	
-		6		LOM	NOTE THAT THE FOLLOWING LIGHTS ON THE ABORT REQUEST PANEL GO OFF POWER SUPPLY 1, 2, 3, AAS SUPPLY, AND ORDNANCE SAFE,	
16 HRS 301 0"			4			
-	181	1	CISC	evts	MSS LES SPRAY SYSTEM ON PLATFORM 5 AND MSS LEVELS DELUGE ON LEVELS 4A; 4C, 3A, 3C AND 222 FOOT LEVEL SECURED;	
	ī8ī	2	CĩSC	EVTS	FIRE SUPPORT ON 127 FOOT LEVEL OF ML To support thrust chamber fill operations	
	181	3	CVTS	CLĨO	FIRE SUPPORT IS ON 127 FOOT LEVEL OF ML TO SUPPORT THRUST CHAMBER FILL OPERATIONS;	-
16 HRS 157 0"			-		· .	
	1 81	i	CLTC	evts	LV RF AND TH SYSTEMS ARE OFF.	
	ī8í	2	CVŤS	SRO	LV RF AND TH SYSTEMS ARE OFF.	

сомм.	SEQUENCE	COMMAND	RESPONSE	DESCRIPTION		REMARKS
Сн,		STA	STA			
181	1	CLTC	CVTS	MSS PLATFORM 2 IS AVAILABLE FOR OPENING.		
181	2	сутѕ	стѕс	OPEN AND SECURE MSS PLATFORM 2.		н
				NOTE		
181	3	CLTC .	CVTS	THRUST CHAMBER JACKET FILL IS CO RELEASE FIRE SUPPORT.	MPLETE.	
181	4	CVTS	CPSS		SE	
181	5	cvts	стѕс	THRUST CHAMBER JACKET FILL IS COMPLETE. RELEASE FIRE SUPPORT THRUST CHAMBER JACKET FILL.	FROM	
181	6	CLTC	CVTS	READY TO CLEAR THE CONTROL AREA HDA AND SPGGI CONNECTIONS.	FOR	
181	7	CVTS	стѕс	PROVIDE FIRE AND MEDICAL SUPPORT LV ORDNANCE CONNECTIONS.	FOR	
181 EM PA -	8	CVTS				
		-				
				· ·		
	•					
	сомм. 181 181 181 181 181 181 181 18	181 1 181 1 181 2 181 3 181 3 181 4 181 5 181 6 181 7 181 8	COMM. SEQUENCE COMMAND STA 181 1 CLTC 181 2 CVTS 181 3 CLTC 181 3 CLTC 181 4 CVTS 181 5 CVTS 181 6 CLTC 181 7 CVTS 181 8 CVTS	COMM. CH.SEQUENCECOMMAND STARESPONSE STA1811CLTCCVTS1812CVTSCTSC1813CLTCCVTS1814CVTSCPSS1815CVTSCTSC1816CLTCCVTS1817CVTSCTSC	COMMAND RESPONSE STA DESCRIPTION 181 1 CLTC CVTS MSS PLATFORM 2 IS AVAILABLE FOR OPENING. 181 2 CVTS CTSC OPEN AND SECURE MSS PLATFORM CREW IS TO PERFORM PLATFORM CREW IS TO PERFORM PLATFORM BREAKUP TASKS AT TASKS AT THE NOTE 181 2 CVTS CTSC OPEN AND SECURE MSS PLATFORM CREW IS TO PERFORM PLATFORM BREAKUP TASKS AT THE MSS PLATFORM MAY BE ACCOMPLISHED 181 3 CLTC CVTS THRUST CHAMBER JACKET FILL IS COMPLETE. 181 4 CVTS CPSS THRUST CHAMBER JACKET FILL IS COMPLETE. 181 5 CVTS CTSC THRUST CHAMBER JACKET FILL IS COMPLETE. 181 5 CVTS CTSC THRUST CHAMBER JACKET FILL IS 181 6 CLTC CVTS READY TO CLEAR THE 181 7 CVTS CTSC TRUST CHAMBER JACKET FILL IS	COWM. CH. SEQUENCE COMMAND STA RESPONSE DESCRIPTION 181 1 CLTC CVTS MSS PLATFORM 2 IS AVAILABLE FOR OPENING. 181 2 CVTS CTSC OPEN AND SECURE MSS PLATFORM 2. NOTE THE MSS PLATFORM CREW IS TO PERFORM PLATFORM DECAMUP TASKS AT THIS TIME. OTHER WORK REQUIRING USE OF THE PLATFORM MAY BE ACCOMPLISHED ON A NON-INTERFERENCE BASIS. 181 3 CLTC CVTS THRUST CHAMBER JACKET FILL IS COMPLETE. RELEASE FIRE SUPPORT. 181 4 CVTS CPSS THRUST CHAMBER JACKET FILL IS COMPLETE. VERIFY READY TO RELEASE FIRE SUPPORT. 181 5 CVTS CTSC THRUST CHAMBER JACKET FILL IS COMPLETE. RELEASE FIRE SUPPORT FROM THRUST CHAMBER JACKET FILL IS 181 5 CVTS CTSC THRUST CHAMBER JACKET FILL IS 181 5 CVTS CTSC THRUST CHAMBER JACKET FILL IS 181 5 CVTS CTSC THRUST CHAMBER JACKET FILL IS 181 6 CLTC CVTS READY TO CLEAR THE CONTROL AREA FOR HDA AND SPEGI CONNECTIONS. 181 7 CVTS CTSC PROVIDE FIRE AND MEDICAL SUPPORT FOR LV ORDNANCE CONNECTIONS.

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STACE VEHICLE COUNTDOWN - RESCUE VEHICLE

PAGE 105 TEST NO. SV-40400R

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPERATIONS

PAGE 106 SV-40400R

TIME	COMM. CH.	SEQUENCE	COMMAND STA	RESPONSE STA	DESCRIPTION	REMARKS
-15 HRS 30' 0'	CONTI	NUED				

	181	9	CVTS	CPSS	CLEAR ALL NON-ESSENTIAL PERSONNEL FROM THE CONTROL AREAS FOR LV HDA AND SPGGI CONNECTIONS.	
-15 HR 15' O'					•	
	181	1	CVTS	MSTC	VERIFY READY TO MAINTAIN RF SILENCE AND CONTROLLED SWITCHING ACROSS THE LV/SC INTERFACE.	
	181	2	CLTC	CVTS	REQUEST RF SILENCE ON.	
					LV CONTROLLED SWITCHING AND CONTROLLED SWITCHING ACROSS THE LV/SC INTERFACE ARE IN EFFECT.	
		3		CVTS	TURN RF SILENCE SWITCH ON.	
	181 EM PA	4	сутѕ		RF SILENCE IS NOW IN EFFECT ON THE SPACE VEHICLE AT PAD B.	
•					CONTROLLED SWITCHING IS NOW IN EFFECT ON THE LV AND ACROSS THE LV/SC INTERFACE AT PAD B. SWITCHING REQUESTS ARE TO BE COORDINATED THROUGH TEST CONDUCTORS WITH CVTS.	
	181	5	CPSS	CVTS	CLEAR TO START LV HDA AND SPGGI CONNECTIONS.	
h C LORM 24 H					-	

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPERATIONS

PAGE 107 TEST NO SV-40400R SKYLAB R VEHICLE

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TIME	COMM. CH,	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-15 HRS 15' 0"		NUED				
	181	6	CVTS	CLTC	START HDA AND SPGGI CONNECTIONS.	н
	181	7	CLTC	CVTS	READY TO CLEAR THE CONTROL AREAS FOR LV ORDNANCE CONNECTIONS.	
	181 EM PA	8	CVTS		ALL NON-ESSENTIAL PERSONNEL ARE TO CLEAR THE PAD B CONTROL AREAS FOR LV S&A CONNECTIONS.	
	-				* ************************************	-
	181	9	CVTS	CPSS	CLEAR ALL NON-ESSENTIAL PERSONNEL FROM THE CONTROL AREAS FOR LV S&A CONNECTIONS.	
	181	10	CLTC	CVTS	REQUEST CPSS RELEASE TCS KEY TO C3SP FOR IGNITION SOURCE VOLTAGE CHECKS.	
	181	11	CVTS	CPSS	RELEASE TCS KEY TO C3SP FOR LV Ignition source voltage checks.	
	181	12	CLTC	CVTS	ADVISE SC QC THAT LV IS STARTING SA-8 CLOSEOUT.	
	181	13	CVTS	MSTC	ADVISE SC QC THAT LV IS STARTING SA-8 CLOSEOUT.	
-14 HRS 45' 0'					· .	•
	181	1	CPSS	CVTS	CLEAR TO START LV S&A CONNECTIONS.	
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SV-40400R TEST NO DATE AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPERATIONS SKYLAB R VEHICLE COMM. COMMAND RESPONSE REMARKS SEQUENCE DESCRIPTION TIME CH. STA STA. . -14 HRS CONTINUED н CLTC START LV S&A CONNECTIONS. 181 2 CVTS SA-9 WILL BE PRESSURIZED IN 15 MINUTES 181 3 CLTC CVTS LOCAL CLEARING ON SA-9 WILL BE CONTROLLED BY SA PERSONNEL. SA-9 WILL BE PRESSURIZED IN 15 MINUTES. MSTC 181 4 CVTS LOCAL CLEARING ON SA-9 WILL BE CONTROLLED BY SA PERSONNEL. -14 HRS 15' 0' MSTC VERIFY READY FOR SA-8 EXTENSION 181 1 CVTS PLATFORM RETRACTION. 181 2 CVTS CLTC RETRACT SA-8 EXTENSION PLATFORM. -14 HRS 0 01 181 1 CLTC CVTS LV ORDNANCE CONNECTIONS ARE COMPLETE. TCS HAS BEEN SAFED AND TCS KEY HAS BEEN RETURNED TO CPSS. RF SILENCE AND CONTROLLED SWITCHING 181 2 CLTC CVTS ARE NO LONGER REQUIRED. CVTS CPSS LV ORDNANCE CONNECTIONS ARE 181 3 COMPLETE. VERIFY TCS KEY HAS BEEN RETURNED. VERIFY READY TO OPEN THE CONTROLLED AREAS FOR NORMAL WORK. 4 CVTS TURN RF SILENCE SWITCH OFF. 1

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPE LAUNCH OPERATIONS

PAGE 109 ILSI NO SV-40400R SKYLAB R

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VEHICLE

TIME	СОММ. СН.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-14 HRS 0' 0"		NUED				
	181 Em PA	5	CVTS		LV ORDNANCE CONNECTIONS ARE COMPLETE.	
			-		RF SILENCE AND CONTROLLED SWITCHING ARE ENDED AT PAD B.	
					THE PAD B CONTROLLED AREAS ARE OPEN FOR NORMAL WORK.	
	181	6	CVTS	MSTC	RF SILENCE AND CONTROLLED SWITCHING ARE ENDED.	
	181	7	CVTS	CTSC	LV ORDNANCE CONNECTIONS ARE COMPLETE.	
					RELEASE FIRE AND MEDICAL SUPPORT FROM LV ORDNANCE CONNECTIONS.	
-	181	8	MSTC	CVTS	READY FOR MSS W/R DOOR LOCK INSTALLATION AND SA-9 HANGER REMOVAL.	
	181	9	CVTS	CLTC	INSTALL MSS W/R DOOR LOCK.	
-					REMOVE SA-9 HANGERS,	-
	•				NOTE	
					WITH THE SHEAR DOOR OR TORSIONAL AND SHEAR FRAME IN PLACE, THE MAXIMUM ALLOWABLE LOADING IN THE ACCESS ARM ENVIRONMENTAL CONTROL CHAMBER IS 1250 LBS. OR 5 MEN, OF THIS 1250 LBS., 600 LBS. MAXIMUM ARE ALLOWED ON THE ENVIRONMENTAL CONTROL CHAMBER EXTENSION PLATFORM.	
-	181	10	CLTC	CVTS	MSS PLATFORM 1 IS AVAILABLE FOR OPENING.	
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- SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE- AUGUST 22, 1973 LAUNCH OPERATIONS REVISION ORIGINAL

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PAGE 110 TEST NO. SV-40400R SKYLAB R

TIME	COMM. CH.	SEQUENCE	COMMAND STA	RESPONSE STA	DESCRIPTION	REMARKS
-14 HRS 0' 0"	Cont I	NUED				
	181	11	CVTS	CTSC	OPEN AND SECURE MSS PLATFORM 1.	H
					NOTE	
					THE MSS PLATFORM CREW IS TO PERFORM PLATFORM BREAKUP TASKS AT THIS TIME. OTHER WORK REQUIRING USE OF THE PLATFORM MAY BE ACCOMPLISHED ON A NON-INTERFERENCE BASIS.	
	181	12	стѕс	CVTS	MSS PLATFORM 2 IS OPEN AND SECURE.	
	181	13	сутѕ	CLTC	MSS PLATFORM 2 IS OPEN AND SECURE.	
	181	14	CLTC ,	CVTS	KSC SYSTEMS SAFETY SUPPORT WILL BE REQUIRED IN 30 MINUTES ON ML 240 FOOT LEVEL FOR GH2 SNIFFER CHECKS OF THE S-IVB HEAT EXCHANGER.	
*	181	15	сүтѕ	CPSS	KSC SYSTEMS SAFETY SUPPORT WILL BE REQUIRED IN 30 MINUTES ON ML 240 FOOT LEVEL FOR GH2 SNIFFER CHECKS OF THE S-IVB HEAT EXCHANGER.	
-13 HRS 45' 0'					· · ·	
	181	1	мѕтс	CVTS	CLEAR TO REMOVE SA-8 YELLOW LADDER. (READY TO REMOVE SA-8 EMERGENCY EGRESS LADDER AND DOOR ASSEMBLY.)	
	181	2	сутѕ	CLTC	REMOVE SA-8 EMERGENCY EGRESS LADDER AND DOOR ASSEMBLY.	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE. AUGUST 22, 1973 LAUNCH OPERATIONS REVISION ORIGINAL

PAGE 111 TEST NO. SV-40400R VEHICLE SKYLAB R

TIME	СОММ. СН.	SEQUENCE	COMMAND STA	RESPONSE STA	DESCRIPTION	REMARKS
-13 HRS 30' 0"			,		-	
	181	1	мятс	CVTS	MSS PLATFORM 4 IS AVAILABLE FOR OPENING.	-
	181	2	CLTC	сутѕ	MSS PLATFORM 4 IS AVAILABLE FOR OPENING.	
	181	3	CVTS	стѕс	OPEN AND SECURE MSS PLATFORM 4.	H
					NOTE	
		-			THE MSS PLATFORM CREW IS TO PERFORM PLATFORM BREAKUP TASKS AT THIS TIME. OTHER WORK REQUIRING USE OF THE PLATFORM MAY BE ACCOMPLISHED ON A NON-INTERFERENCE BASIS,	
-13 HRS 15' 0"						
	181	1	стѕс	cvts	RESCUE EQUIPMENT IS IN WHITE ROOM AND SA-9 RESCUE LOCKER.	
	181	2	стѕс	CVTS	MSS PLATFORM 1 IS OPEN AND SECURE.	
	.181	3	cvts	CLTC	MSS PLATFORM 1 IS OPEN AND SECURE.	
-13 HRS 5' 0"						
	181	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR CSM FREQUENCIES 2106.4, 2272.5, 2287.5, 259.7 AND 296.8 MHZ AND LV FREQUENCIES 240.2, 250.7, 255.1, 256.2, 258.5 AND 450.0 MHZ FOR GMIL ON-STATION CALIBRATION.	
	181	2	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR CSM FREQUENCY 2287.5 MHZ FOR CIF ANTENNA CALIBRATION.	
					· .	
				l	- -	

	RIGIN/	<u>r</u>	CONTRACT	-	VEHICLE	SKYLAB
TIME	CH	SEQUENCE	STA.	RESPONSE STA.	DESCRIPTION	REMARKS
13 HRS	١	• •	-			-
0, 0,	181	1	GMIL	сутѕ	VERIFY RADIATION CLEARANCE FOR ON-STATION CALIBRATION.	
	181	2	стѕс	CVTS	VERIFY RADIATION CLEARANCE FOR CIF ANTENNA CALIBRATION.	
	181	3	мутс	CVTS	MSS PLATFORM 3 IS AVAILABLE FOR OPENING.	-
	181	4	CLTC	CVTS	MSS PLATFORM 3 IS AVAILABLE FOR OPENING.	-
	181	5	CVTS	стѕс	OPEN AND SECURE MSS PLATFORM 3.	н
	-			-	- NOTE	
-		1	•		THE MSS PLATFORM CREW IS TO PERFORM PLATFORM BREAKUP TASKS AT THIS TIME. OTHER WORK REQUIRING USE OF THE PLATFORM MAY BE ACCOMPLISHED ON A NON-INTERFERENCE BASIS.	· · ·
12 HRS 0 <u>'</u> 0"					· · · ·	
	181	1	CVTS	стѕс	VERIFY THE H/H CRANE WILL BE AVAILABLE FOR ESP LOWERING PREPS IN 30 MINUTES.	
	181	2	CLTC	CVTS	READY TO CLEAR THE CONTROL AREA FOR ESP LOWERING.	
	181	3	CVTS		VERIFY THE H/H CRANE WILL BE AVAILABLE FOR ESP LOWERING PREPS IN 30 MINUTES.	
	EM PA		:		CLEAR THE PAD B CONTROL AREA FOR LOWERING THE ENGINE SERVICE PLATFORM.	

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TIME	COMM CH.	SEQUENCE	STA	STA.	DESCRIPTION	REMARKS
-12 HRS		NUED	210	<u> </u>	······································	
501 011						·
					XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
			•		<pre># ML 127 FOOT LEVEL, * DIRECTLY BELOW THE ESP * AND INSIDE THE PEDESTAL * LEGS. * * *******************************</pre>	•
	181	4	CVTS	CP\$S	CLEAR ALL NON-ESSENTIAL PERSONNEL FROM THE CONTROL AREA FOR LOWERING THE ESP.	
-12 HR9			÷		THE CONTROL AREA FOR LOWERING THE ESP.	
:	181	1	ĊPSS	CVTS	CLEAR TO START ESP PREPS AND LOWERING OPERATIONS.	
	181	2	CVTS	CLTC	START ESP PREPS AND LOWERING OPERATIONS. REPORT WHEN COMPLETE.	
11 HRS 30' 0'				•		•
	181	1	стѕс	CVTS	ENTRANCE TO LCC ROOM 1P4 WILL BE REQUIRED IN 30 MINUTES TO JUMPER MSS FIRE ALARM CABLES PRIOR TO DISCONNECTION.	
	181	2	CVTS	CTNS	ENTRANCE TO LCC ROOM 1P4 WILL BE REQUIRED IN 30 MINUTES TO JUMPER MSS FIRE ALARM CABLES PRIOR TO DISCONNECTION.	
	181	3	стѕс	CVTS	CIF ANTENNA CALIBRATION IS COMPLETE. TERMINATE CLEARANCE FOR 2287.5 MHZ.	-
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION ORIGINAL

PAGE 113 TEST NO. SV-40400R SKYLAB R

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE, AUGUST 22, 1973 REVISION ORIGINAL PAGE 113A TEST NO SV-40400R VEHICLE SKYLAB R

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TIME	COMM CH.	SEQUENCE	COMMAND STA.	RESPONSE	DESCRIPTION	REMARKS
-11 HRS 30' 0"			,			
	181	4	CVTS	SRO	CIF ANTENNA CALIBRATION IS COMPLETE. CIF RF IS OFF.	
-11 HRS 45' 0'						
	181	1	CVTS	CPSS	VERIFY CLEARANCE TO TERMINATE AND DISCONNECT MSS FIREX WATER.	
	181	2	CVTS	CTSC	TERMINATE AND DISCONNECT MSS FIREX WATER.	
-11 HRS .15' 0"				I		
•	181	1	CVTS	MSTC CLTC	MSS PLATFORM OBSERVERS ARE TO REPORT TO PVTS AT THE BASE OF THE MSS LOW RISE ELEVATOR FOR OBSERVER BRIEFING IN 45 MINUTES.	•
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EH/I	COMM.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
(aria	СН		,			
11 KRS 151 0"	CONTI	NUED			, ·	
					NOTE Russ	
					MSS OBSERVERS WILL BE DRIEFED PER Skylab LC=39 Launcr Operations instruction; 600=26=0002;	-
11 RRS ¹ 51 0"						
1	ĩ81	. 1	CV7S ·		GMIL BRINGING UP 450,0 MHZ COMMAND CARRIER FOR MCC COMMAND VALIDATION TEST.	
			•		VERIFY IU COMMAND RECEIVER/DECODER IS OFF.	
	181	2	CVTS	MSTC	GMIL BRINGING UP 2106,4 MHZ COMMAND CARRIER FOR MCC COMMAND VALIDATION TEST.	
1			,		VERIPY COM COMMAND. DECODER IS OFF.	
	ībi	2	CVÝS	SRO	VERIFY RADIATION CLEARANCE FOR LV AND CSM FREQUENCIES 450.0, 2106.4, 259.7 AND 296.6 MHZ FOR MCC COMMAND VALIDATION TEST AND MCC AIR/GROUND VALIDATION TEST.	
11 HRS 01 04					· 、	
*	181	1	MSTC	evis	HSS PLATFORM 5 IS AVAILABLE FOR OPENING;	
**************************************	181	2	CVTS	CTSC	OPEN AND SECURE MSS PLATFORM 5:	H
					•	
						-

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973

PAGE 114 TEST NO. SV-40400R

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DATE: A		22, 19		RESCU	E VEHICLE PAGE LAUNCH OPERATIONS S	V-404 SKYLA
TIME,	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMA
=11 HRS 01 0"	CONTI	NUED	-			
					NOTE	
			•••		THE MSS PLATFORM CREW IS TO PERFORM PLATFORM BREAKUP TASKS AT THIS TIME! OTHER WORK REQUIRING USE OF THE PLATFORM MAY BE ACCOMPLISHED ON A NONDINTERFERENCE BASIS	
	181	3	CTSC	EVTS	MSS PLATFORM 3 IS OPEN AND SECURE.	
	1 81	4	CTSC	EVTS	ALERT ALL LV AND LS OBSERVERS TO BE ON STATION IN 60 MINUTES FOR COMM CHECK IN SUPPORT OF MSS MOVE!	
-	181	5	CVTS	PYTS .	ALERT ALL LV AND LS OBSERVERS TO BE ON STATION IN 60 MINUTES FOR COMM CHECK IN SUPPORT OF MSS MOVE.	
	ī81	6	GMIL	CVTS	ON STATION CALIBRATION IS COMPLETE! . GMIL RF IS OFF!	-
-	18i	7	CVTS	'SRO	GMILHONSSTATION CALIBRATION IS COMPLETE, GMIL RF IS OFF.	
	īði	8	HFLT	CVIS	VERIFY IU COMMAND RECEIVER/DECODER AND CSM COMMAND DECODER ARE OFF:	
					BRING UP GMIL 450.0 AND 2106,4 MHZ COMMAND CARRIERS FOR MCC COMMAND VALIDATION TEST:	
		Ŧ			BRING UP GHIL 259.7, 296.8 AND 2106.4 MHZ CARRIERS FOR MCC AIR/GROUND VALIDATION TEST.	
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	-	•				

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	COMM.	1	COMMAND	PESPONSE		
TIME	СН.	SEQUENCE	STA	STA.	DESCRIPTION	REMARKS
11 HRS D1 0"	Conti	NUED			- 1	
	18 1	9	CVTS	GHIL	BRING UP 450,0 AND 2106,4 MHZ COMMAND CARRIERS FOR MCC COMMAND VALIDATION TEST.	
					BRING UP 295.7, 296.8 AND 2106.4 MHZ CARRIERS FOR AIR/GROUND VALIDATION TEST.	
	ī81	10	GMIL	EVIS	GHIL RF IS ON.	-
	ī81	11	CVÝS	អគ្គរូ។	GMIL RF IS ON.	
	ī8í	12	CISC	CVTS	PROPELLING TRANSPORTER UNDER MSS TO MATE POSITION,	
	18 <u>1</u>	13	CVTS	EPSS	PROPELLING TRANSPORTER UNDER MSS TO MAYE POSITION,	
10 HRS 451 0"					· · ·	
	ī8ī	1	CVTS	CLTC	HAVE SAGO PERSONNEL REPORT TO SAPO IN 15 MINUTES FOR CO2 SYSTEM VERIFICATION.	
	ī8 <u>ī</u>	2	CVTS	CYSC	PERSONNEL HILL BE REQUIRED ON SA-9 IN 19 Minutes To support co2 system Verification;	
10 HRS 401 0"			•			
	181	1	HFĽT	EVTS	MCC COMMAND VALIDATION TEST IS Complete, MCC Air/groond validation Test is complete,	
					GMIL RF IS NO LONGER REQUIRED;	
	ībi	2	CVÝS	GMIL	BRING DOWN 400:0; 2106:4; 299:7 AND 296:8 MHZ CARRIERS:	
	'iBi	3	GHIL	CVTS	GMIL RF IS OFF;	

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SPACE VI DATE A REVISION D		22, 19			LAUNCH OPERATIONS		-4(KY)
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	<u> </u>	REN
		<u> </u>			j	\neg	
-10 HRS 401 0"	- CONT 1	NUED					
	ĩ8ĩ	4	CVTS	ELTC HSTC	MCC COMMAND VALIDATION TEST IS Complete		
	18 <u>1</u>	3	CV†S	\$R0	MCC COMMAND VALIDATION TEST AND AIR/ GROUND VALIDATION TEST ARE COMPLETE; GMIL RF IS OFF;		
	ī8i	6	CTSC	CVYS	ML NON-CRITICAL POWER WILL BE Secured in 10 minutes.		
-10 HRS 351 0"							
	181	1	ÇVYS	SRO	VERIFY RADIATION CLEARANCE FOR CSH FREQUENCIES 2106.4: 2272.5: 2287.5: 259.7 AND 296.8 MHZ.		
-10 HRS 301 0"	-				· .	. ~	
	ī81	1	HSTC	EVTS	280 FOOT ACE ROOM IS READY FOR Securing:		
	· 181	2	CVTS	eysc	280 FOOT ACE ROOM IS READY FOR SECURING.		
	ī81	3	MSTC	CVTS	VERIFY CLEARANCE FOR CSM RF		
					UHP 2106:4, 2287,5 AND 2272.5 MHZI		
			ļ		VHFGAM 259 7 AND 296 8 HHZ!		
					CSH COMMAND DECODER IS COMING ON;		
					HAVE GMIL AND HELT PROVIDE SUPPORT ON CH, 212,		
	181 1	4	CVTS	ዘምሬኘ	CSM COMMAND DEBODER IS COMING ON. Standby on CH, 212 to support CSM RF VOICE CHECKS.		
					· · ·		
KS- 10#M 23 818 (RI		<u> </u>	<u> </u> _	<u> </u>		NA\$/	

	RIGINA	22, 19 L			LAUNCH OPERATIONS VEHICLE	SV-40401 SKYLAB
TIME	сомм сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	. DESCRIPTION	REMARKS
10 HRS 301 0"	ĊONŤI	NUED		~	· .	
:	ĩ81	5	CV†S _`	GMIL	STANDBY ON CH, 212 TO SUPPORT CSM RF VOICE CHECKS; CLEAR TO BRING UP CSM UHF COMMAND CARRIER WHEN REQUESTED; KEEP CVTS ADVISED ON CARRIER STATUS; CSM DECODER IS COMING ON,	
	18 1	6	CTSC	evis ·	UNSECURED FIRE EXTINGUISHERS WILL BE REMOVED FROM THE ML.	- ,
	ï8ĭ	7	CTSC	CVIS	CONFIGURING MSS OISARF UHP!	
	ī8í ·	8	CVTS	MSTC Eltc	STARTING MSS OIS TRANSFER # PAD Hardline to CT UHF; CT OIS CHANNEL ASSIGNMENTS WILL BE IN EFFECT;	
-10 HRS 15: 0"			•		· · · · · · · · · · · · · · · · · · ·	
•	181	1	CTSC	CYTS	MSS OIS RE CONFIGURED TO UHE.	
: -	ī81	2	CVŦS	HSTC CLTC	MSS DIS TRANSFER 5 PAD TO CT IS Complete	
3	181	3	CISC	CYTS	MSS POWER TRANSFER TO ONBOARD POWER WILL OCCUR IN 15 HINUTES.	
	181	4	CVT5	CLTC MSTC	MSS POWER TRANSFER TO UNBOARD POWER WILL OCCUR IN 15 HINUTES,	
-10 HRS 01 04						
	181	1	CTSC	CVIS	MSS PLATFORM 5 IS OPEN AND Secure,	
		•.				

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TIME	CH CH	SEQUENCE	COMMAND STA.	STA.	· DESCRIPTION	REMARK
10 HRS 01 0"	ĊONTI	NUED				
	18 <u>1</u>	2	CVTS	667C MS70	VERIFY READY FOR MSS POWER TRANSFER To onboard power;	
	ī8ī	3	CTSC	CVIS	VERIFY READY FOR MSS TRANSFER TO ONBOARD POHER.	
	ī8ī	4	cĩsc	CVIS	MSS POWER TRANSFER TO ONBOARD POWER IS COMPLETE;	
	ī8ī	5	MSÝC	CVTS	CHÀNGE SHOPS FROM 25SWITCH, 1-VALVE Mode to 1-SWITCH Mode and Verify.	
	ī8i	6	CVYS	CPSS	VERIFY CLEARANCE TO CHANGE SMDPS FROM 2=SWITCH, 1=VALVE MODE TO 1=SWITCH MODE,	
	181	7	CYİS	ELYC	CHANGE SMDPS FROM 2=SWITCH; 1=VALVE Mode to 1=SWITCH Mode; Report when Complete;	
	ī8 <u>1</u>	8	CVŤS	MSTC	VERIFY ASTRONAUT STOOL LOCATED IN ELEVATOR 1	
	ī81	9	CVTS	ELTC MSTO ETSC	AVO POLICY IS IN EFFECT FOR NON-TCP Work.	
	ī81	10	CLŤC	CVIS	SMDPS IS IN A 1-SWITCH MODE;	
	181	- 11	CV9S	MSTC	SMBPS IS IN A 1-SHITCH MODE.	
	18 <u>1</u>	12	CLTC	evts	SAJ9 CO2 SYSTEM VERIFICATION IS COMPLETE.	
9 HRS 451 0"			•			
	ī81	1	MSTC	CVTS	MSS PREPARATIONS FOR MOVE ARE COMPLETE.	
	181	2	CVTS	MSTC	VERIFY READY FOR AUXILIARY DAMPER DISCONNECTION.	

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DATE: A		22, 19		RESCU	E VEHICLE PAGE TEST NO LAUNCH OPERATIONS VEHICLE	12 SV-40400 SKYLAB
TIME	СОММ. СН	SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION	REMARKS
3						
-9 HRS 451 07	CONTI	NUED				
-	18ī	3	CLTC	CVTS	VERIFY PREVAILING WINDS DO NOT EXCEED REDLINE VALUES FOR FREE STANDING SV (REFERENCE LMR);	-
n	181	4	CVTS	ĞĻТС	DISCONNECT AUXILIARY DAMPER.	
	ī8ï	5	CVTS	CTSC	SECURE FACILITY POWER TO PAD TRAILER COMPLEX	
9 HRS 351 0"						
	ĩ8 <u>1</u>	1	CLTC	CVTS	LV QAL INSPECTION OF MSS PLATFORMS 1 AND 2 PER LV GAL QCP-11 IS COMPLETE.	
-					AUXILIARY DAMPER DISCONNECTED AND LV READY FOR MSS JACKING, BUT NOT FOR MOVE,	
-	18 <u>1</u>	2	CVYS	etsc	AUXILIARY DAMPER IS DISCONNECTED.	
-9 HRS 301 0"					· · ·	
	ī8ĭ	1	CLŤC	EVTS	REQUEST THAT FIRE, SAFETY AND SECURITY BE ON STATION IN 1 HOUR AND READY TO SUPPORT HAZARDOUS PORTIONS OF LOX SYSTEM FINAL PREPS AND LV PROPELLANT LOADING;	
	ī8i	2	CVTS	CTNS CPS5	SAPETY AND SECURITY PERSONNEL WILL BE REQUIRED ON STATION IN 1 HOUR AND READY TO SUPPORT HAZARDOUS PORTIONS OF LOX SYSTEM FINAL PREPS AND LV PROPELLANT LOADING;	
5		` <u>.</u>			· · · · ·	

	RIGIN/		COMMAND		VEHICLE	V-4040(SKYLAB
	СН	JEGOENCE	STA	STA.	DESCRIPTION	REMARKS
HRS	CONTI	NUED				-
	181	3	CVTS	6 T SC	FIRE PROTECTION PERSONNEL ARE REQUIRED ON STATION IN 1 HOUR IN SUPPORT OF LOX SYSTEM FINAL PREPS, RPG1 REPLENISH OPERATIONS, LOX LINE CHILLDOWN AND CRYO LOADING;	
	ī8ĭ	4	CVTS	HSTC CLTO CTSC	VERIFY FINAL PURGE BOX VALIDATION;	
·				•	VERIFY ALL DUSY CAPS AND CABLE CAPS ON THE ML AND PAD ARE SECURED:	
	181	5	CTSC	Cvĩs	ML ELEVATORS ARE BEING CONFIGURED For Launch:	
		6	CVTS		PERFORM COMM CHECK WITH M123IS ON CH 121, 181, LSR HARDLINE AND NET 105.	
	ī8í	7	CTSC	EVTS	MSS PLATFORM 4 IS OPEN AND SECURE!	
	18ĭ	8	CTSC	CV7S	REQUEST CLEARANCE TO JACK MSS TO CLEARANCE HEIGHT,	
	181 -	9	CVTS	CPSS	VERIFY CLEARANCE FOR MSS JACKING OPERATIONS;	、
	ī81	10	CVYS	CYSO	JACK MSS TO CLEARANCE REIGRT:	н
	î8 <u>i</u>	11	CĩSC	CVTS	FACILITY POWER TO THE PAD TRAILER Complex is secured;	
HRS 51 0"						
	181	1	CV†S	ETNS	VERIFY BOTH DOORS TO LCC ROOM 1P4 ARE LOCKED AND INTEGRITY SEALS HAVE BEEN APPLIED;	

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		<u> </u>			VEHICLE	<u> </u>
TIME	сомм. сн	SEQUENCE	COMMAND STA.	STA.	DESCRIPTION .	REMARKS
-9 HRS 151 0"	CONTI	NUED			· · · · · · · · · · · · · · · · · · ·	
	181	2	CVTS	ETSC	CONFIGURE PAD SURFACE SAFETY Bignal lights to steady red.	
					CLOSE AND DOG THE PAD SURFACE PTCR BLAST DOORS;	
1					REMOVE ZERO LEVEL PLATFORM COVER Plates from PAD Elevator 2:	
	-			-	CONFIGURE B=4 LIGHTS TO STEADY RED ON CLEARING PAD	~
-9 KRS 10' 0"					· · ·)	
	181	1	CV†S	MSTC	VERIFY READY FOR PRIMARY DAMPER CONNECTION IN 15 MINUTES.	
-9 HRS 51 0"						۰. ۲
•	ībī	1	CLTC	EVTS	ALL HIGHLY DESIRABLE LMR RANGE Sapety measurements are go! verify etr assumes monitoring responsibility at this time;	
	18 <u>1</u>	2	CVTS	SRÓ	LV REPORTS ALL HIGHLY DESIRABLE LMR Range Safety Measurements are Go, Verify etr assumes monitoring Responsibility at This time.	
	! :81	3	CVÝS	CLYC	ETR HAS ASSUMED MONITORING RESPONSIBILITY.	
#9 HRS 01 0"						
	181	1	CTSC	CVTS	STARTING HL PRESSURIZATION TASK, PRESSURIZATION WILL OCCUR IN APPROXIMATELY 1 HOUR;	

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	RIGIN	22, 19 AL	13		LAUNCH OPERATIONS		-40400 KYLAB
TIME:	COMM CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION		REMARKS
9 HRS 0 • 0 "	CONTI	NUED					
	ī8i	2	-CV†S	CLTC MST.C CPSS	STARTING ML PRESSURIZATION TASK, PRESSURIZATION WILL OCCUR IN APPROXIMATELY & HOUR,		
		-		、	NO1.E NO1.E	•	
				-	LOCAL PAGES WILL BE MADE 15, 10, and 9 minutes prior to Pressurizing the ML.	、	
-	181	3	ՇլդՇ	CVTS	LV READY TO START PAD CLEARING OPERATIONS:		
			•		REQUEST SECURITY TO VERIFY BOTH DOORS TO 1P4 ARE LOCKED AND INTEGRITY SEALS HAVE BEEN APPLIED;	- ·.	
- 1	181 Em Pa	4	CVYS		ALL PERSONNEL NOT POSSESSING 159 Hour Hazardous badges are to Clear The pad b blast danger area.		
-	181	5	CVŤS	CPSS	CLEAR THE BLAST DANGER AREA OF ALL PERSONNEL NOT POSSESSING Top Hour Hazardous badges.		ı
	181	6	ĈŦsc	ÊVĨS	MSS IS JACKED TO CLEARANCE HEIGHT, REQUEST CLEARANCE TO PROPEL MSS TO PARK SITE.		
	ī8ī	7	CVTS	CLAC.	MSS JACKING IS COMPLETE.		
	īßï	8	CLTC	CVTS	LV CLEAR FOR MSS MOVE		
	181	9	CVTS	CPSS	VERIFY CLEARANGE TO PROPEL MSS TO PARKSITE,		
				*			
							•

	RIGIN	22, 19 AL	15		LAUNCH OPERATIONS	SV-4040 SKYLAB
TIME	сомм сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
9 HRS 01 04	CONTI	NUED				
	181	10	CVTS	CTSC	PROPEL MSS CLEAR OF SUPPORT COLUMNS AND PROCEED WITH TRANSFER OPERATIONS; REPORT PROGRESS TO CVTS ENROUTE;	н
	ī8 <u>ī</u>	11	CTSC	CVTS	MSS FIRST MOTION.	
	ī8i	12	CVÝS	₭\$ ᢪር €	MSS IS IN MOTION.	
	ĩ81	13	CLTC	ÊVÎS	ESP LOWERING IS COMPLETE,	-
	•				THE H/H CRANE IS RELEASED FOR NORMAL SERVICE.	
	ī8 <u>1</u>	14	CVÝS	EPSS	ESP LOWERING IS COMPLETE.	
	181 Ем Ра	15	cv†s		ENGINE SERVICE PLATFORM LOWERING IS Complete,	
	ī8ī	16	CVTS	CTSC	ESP LOWERING IS COMPLETE.	•
					THE H/H CRANE IS RELEASED FOR NORMAL SERVICE.	
-	181	17	CVTS	MSTC	VERIFY CSM UHF ON AND VHF ON IN RELAY Mode For RF compatibility yest;	
	181	18	CLTC	CVTS	VERIFY CSM UHF ON AND VHF ON IN RELAY Mode for RF compatibility fest;	
	ī81	19	MSŸC	CVTS	STANDBY FOR RF COMM' CHECKS WITH SPAD USING EEAP	•
	1 81	20	CĨSC	CVTS	PERFORMING ELEVATOR FUNCTIONAL TEST IN EGRESS MODE ON ML ELEVATORS:	
8 HRS 551 0"					· · · ·	
	ī8i	1	CTSC	CVIS	MSS IS AT 35 FT; POSITION;	

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	RIGINA		10011111	1	• VEHICLE	SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA	STA	DESCRIPTION	REMARKS
:		1				
8 HR'S 551 0"	ĊONŦI	NUED				
	īði	2	CVÝS	ELTC	CONNECT PRIMARY DAMPER!	
	181	3	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR THE LV OPEN LOOP IU COMMAND CARRIER, PROTECTION IS REQUIRED;	
8 HRS 0† 0#						
	181	1	CLTC	¢v¶s·	REQUEST CLEARANCE FOR LOCAL OPEN LOOP IU COMMAND CARRIER; (PROTECTION IS REQUIRED;)	-
-	ī8 <u>i</u>	2	CLTC	CVTS -	LOCAL OPEN LOOP IU COMMAND CARRIER AND IU COMMAND RECEIVER/DECODER ARE ON:	
	181	3	CLIC	EVTS	PRIMARY DAMPER CONNECTION COMPLETE;	
5 HRS 5 0"	:					
	ī81	i	CLŤC	CVTS	ALL LV COMPARTMENTS CLOSED OUT AND READY TO SHITCH ECS FROM AIR TO GN2:	
	ī81	2	CVTS	CPSS	ALL LV COMPARTMENTS ARE CLOSED	
HRS						
-	ī81	1	CLTC	CVTS	REQUEST HFLT GO TO CH. 263 For Teletype data verification:	
	ī8 <u>1</u>	5	CVIS	ℍF∟ͳ	GO TO CH. 263 FOR TELETYPE Data verification.	

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TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
e upe			,		.`	
8 HRS 01 04						
	ī8ĭ	1	CVTS	EYSC	PLÀCE SLIDEWIRE CAB IN READINESS Configuration,	н
	ī81	2	CLŤC	CVTS	READY TO CLEAR THE CONTROL AREA FOR RP51 REPLENISH:	
	181 5m Pa	3	CVYS		ALL NONGESSENTIAL PERSONNEL ARE TO CLEAR THE CONTROL AREAS FOR LV RPPI REPLENISH OPERATIONS.	
					eeeeeeeeeeeeeeeeeeeeeeeeeeee	
					A THE CONTROL AREAS FOR	
,					* LV RP91 REPLENISH * • OPERATIONS CONSISTS OF *	
					 THE ML 127 FOOT LEVEL, THE ML ZERO LEVEL AND 	
					© THE FLAME TRENCH *	
	181	4	CVTS	CPSS	CLEAR ALL NON-ESSENTIAL PERSONNEL FROM THE CONTROL AREAS FOR LV RP-1 REPLENISH OPERATIONS;	
8 HRS 01 04						
-	īðí	-1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR THE GMIL IU COMMAND CARRIER.	
				-		
					ORIGINAL PAGE IS OF POOR QUALITY	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

PAGE 126 TEST NO

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	UGUST RIGINA		COMMAND	DECODICE		SKYĽAB
TIME	COMM CH.	SEQUENCE	STA	STA.	DESCRIPTION	REMARKS
8 HRS						
51 0"						
	18 <u>1</u>	1	CLÝC	CVIS	REQUEST GMIL IU COMMAND CARRIER ON!	
				•	IU COMMAND RECEIVER/DECODER CAPTURED By the local open loop IU Command Carrier;	
					REQUEST GMIL AND HELT MONITOR	
					CH. 261 AND REPORT WHEN READY TO SUPPORT FT-47	
	181	2	CVÌS	HFL¶	IU COMMAND RECEIVER/DECODER CAPTURED By the LV LOCAL OPEN LOOP IU Command Carrier'	
					GMIL IU COMMAND CARRIER IS COMING ON:	
			-	-	HONITOR CH: 261 AND REPORT WHEN READY	
					TO SUPPORT FT#47 AND LIFTOFF TIME UPDATE;	
	181 1	3	CVÝS	GMIL	IU COMMAND RECEIVER/DECODER CAPTURED BY THE LV LOCAL OPEN LOOP IU COMMAND CARRIER:	-
					BRING UP IU COMMAND CARRIER;	
					MONITOR CH' 261 AND REPORT WHEN Ready to support FT-47 and Liftoff Time update.	
	18i	4	GHIL	CVTS	IU COMMAND CARRIER IS ON.	
	181	5	CVTS	ELTC	QMIL IU COMMAND CARRIER IS ON.	
	i81	6	CLTC	CVTS	LOCAL OPEN LOOP IU COMMAND GARRIER	
	ī81	7	CVTS	SRO	LV LOCAL OPEN LOOP IU COMMAND Carrier is off.	
	181	8	CTSC	CVIS	ML EGRESS CHUTE SYSTEM IS IN READINESS Configuration.	
	Ĩ 5 1	9	CLTC	EVTS	REQUEST CPSS VERIFY CLEARANCE TO SWITCH ECS TO GN2.	
		-	·			

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	RIGINA		COMMAND	RESPONSE	VEHICLE	SKYLAB
TIME	CH.	SEQUENCE	STA	STA.	DESCRIPTION	REMARKS
			•		· · · ·	
8 HRS 51 0"	CONTI	NUED				
	ī8ī	10	CVTS	CPSS	VERIFY CLEARANCE TO SWITCH ECS TO GN2,	
	ī81	11	cvts	CLTC	CONFIGURE ECS FOR GN2 STANDBY.	н
	ī81	12	CïsC	CVTS	ML ELEVATOR FUNCTIONAL TEST IN EGRESS Mode complete, ML elevators returned to normal service,	-
		-			NOTE	
					SWITCHING OF ECS TO GN2 IS Scheduled to occur 10 minutes After clearance is granted;	
8 HRS 31 0"						-
-	181	1	HFL የ	CVTS	NEW LIFTOFF TIME IS	
:					HRS MIN SEC	
				•	CLOSING OF LAUNCH WINDOW IS	-
					HRS MIN SEC	
-	181	2	CV7S		READ BACK TIMES TO THE FLIGHT DIRECTOR FOR CONFIRMATION.	
•		•				

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE PAGE

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					I CLE CH OPERATIONS	PAGE TEST NO VEHICLE	129 SV-404008 SKYLAB
					DESCRIPTION		REMARKS
HRS	CONTI	NHCB				~	
31 0"	CONT						
	ī81	3	CVÝS	SLTC GNIL	NEW LIFTOFF TIME IS		
				SRO '	NCH LIFIOFF LINE 15		
					GMT HRS MIN SEC		
					CLOSING OF LAUNCH WINDOW IS		
					·		
					HRS HIN SEC		
		4		CVTS	CALCULATE DURATION OF HOLD TO OCCUR AT TAS HOURS, 3090";		
					RECORD HOLD DURATION HERE AND A Y- 3 Hours: 3510".	T .	
					, ł	654	
		•			MIN SEC		
8 HRS 51 0"					_		
	ī8i	1	CTSC	CVIS	FORWARD OBSERVER SITES HAVE BEE Equipped.	N	
3 HRS	181	2	CLTC	ELTC	SWITCH ECS TO GN2;		
	ĩði	1	CPSS	EVTS	CLEAR TO START RPP1 REPLENISH.		-
	181	2	CVTS	ธ ุ ĩ C	START RP-1 REPLENISH.		н
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			COULIND	RESPONSE		
TIME	сомм. сн.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
•			,			
8 HRS Q+ 0"	CONTI	NUED				
	181	3	CVŤS	OPSS CTNS CYSC	CLEAR PTCR AND EGS ROOMS AND	H
					PRESSURIZE WHEN CLEAR.	
	ī8i	4	CVTS	CYSC	CONFIGURE TELEPHONES IN ML ELEVATORS AND ON 320 FOOT LEVEL TO PT, TO PT, Mode:	
	181	5	CTSC	CVTS	ML EGRESS SPRAY SYSTEM AND ML LES Spray system in Field active mode;	
	181	<u>,</u> 6	CTSC	CVTS -	TELEPHONES IN ML ELEVATORS AND ON ML 320 FOOT LEVEL ARE CONFIGURED TO PT. TO PT. MODE.	
•	ī8ī	7	CTSC	CYTS	ML IS PRESSURIZED,	
	18 <u>1</u>	8	CTSC	CVTS	ALL BLAST ROOM SUPPLIES AND EQUIPMENT ARE POSITIONED IN BLAST ROOM.	
	ī8ī 	9	MSTC	CVTS	CSM PERSONNEL ARE CLEARING THE COMPLEX.	r
-7 HRS						
	181	1	CLTC	EVTS	IU COMMAND RECEIVER/DECODER IS OFF!	
ı					CLEAR TO BRING DOWN GMIL IU COMMAND Carrier;	
					HOUSTON PREFLIGHT COMMAND SYSTEM TEST IS COMPLETE;	
	18 1	2	CVTS	GMIL	IU COMMAND RECEIVER/DECODER IS OFF!	
·					BRING DOWN IU COMMAND CARRIER,	
	181	3	GMIL	CYTS	IU COMMAND CARRIER IS OFF.	
	101	5	GUIL		Te country executive to out t	
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0 ^{MORIV}	RIGINA		00000	brenet	VEHICLE	SKYLAB
TIME	COMM. CH	SEQUENCE	STA	RESPONSE STA.	DESCRIPTION	REMARKS
7 HRS 21 07	CONTI	NUED			,	
	181	4	CVTS	ዘምቤፕ	IU COMMAND RECEIVER/DECODER IS OFF!	
				_	GMIL IU COMMAND CARRIER IS OFF:	
	181	5	CVIS	SRÓ	HOUSTON PREFLIGHT COMMAND SYSTEM TEST IS COMPLETE, GMIL IU COMMAND CARRIER IS OFF.	
7 HRS					•	. [
451 0"					· · · · · · · · · · · · · · · · · · ·	
	ĩ81	. <u>1</u>	CĩSC	EVIS	PAD ELEVATOR 2 IN EGRESS MODE.	
7 HRS 01 01					· · · · · · · · · · · · · · · · · · ·	
-	ī8i	i	CTSC	EVIS	PTCR AND ECS ROOMS ARE PRESSURIZED	
7 KRS						
50+ 0#					·	· .
						1
		Ì			♥ ♥ NO MORE THAN 20 PEOPLE ♥	
					 WHO MAY REQUIRE THE USE * _ OF THE BLAST ROOM WILL * 	
					* BE ALLOWED TO ENTER THE *	
					* MOBILE LAUNCHER, *	
		•				
7 HRS					·	
01 01						
·	ī81	1	CVTS	CPSS	VERIFY SYSTEM SAFETY SUPERVISORIS	-
			ŀ .		CHECKLIST IS COMPLETE (INCLUDES FIRE PROTECTION AND SECURITY),	
		ł			(TCP NO' SV#40400; APPENDIX A):	
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	ORIGINA	22, 19 AL	, ,		LAUNCH OPERATIONS . TEST NO CONTRACT OF CONTRACT.	SV-40400 SKYLAB
TIME	сомм. Сн	SEQUENCE	COMMANE STA	RESPONSE STA.	DESCRIPTION	REMARKS
7 HRS .0 = 0 =	ČONTI	NUED				•
	ĪBÌ	2	CV75	LIEF	WIND MONITORING TEAM REPORT GO/NO-GO For Lo2 Loading;	
7 HRS 51 D"					、	
	īði	1	CVTS	HFLT Sro Ctsc	VERIFY GO/NORGO FOR START OF LV CRYO LOADING	
	181	. 2	CVTS	CLTC	RANGE SAFETY COMMAND CARRIER 1S Coming on for etr command validation test,	
					VERIFY IU COMMAND RECEIVER/DECODER IS OFF:	
					VERIFY DRSCS RECEIVERS ARE OFF:	
7 HRS 0' 0"			•		· · ·	
ŧ		1		CVTS	VERIFY WITH MSPC THAT LAUNCH VEHICLE IS CAPABLE OF REETING TARGET CONDITIONS	
	18i	2	CLŤC	CVTS	RP.1 REPLENISH IS COMPLETE:	
	181	3	CVTS	CPSS	RPE1 REPLENISH IS COMPLETE:	
	ī81	. 4	CLTC	EVTS	VERIFY CLEARANCE TO START AUTOMATIC LOX LOADING (WITH CROSS COUNTRY LINE CHILLDOWN THROUGH SBIB STAGE VENTS);	
s	i81	5	CVTS	CPSS	VERIFY CLEAR TO START AUTOMATIC LOX LOADING (WITH CROSS COUNTRY LINE CHILLDOWN THROUGH S-IB STAGE VENTS),	
	₹8i	6	CVÌS	CLTC	START AUTOMATIC LOX LOADING	н
					•	
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TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARK
	-					
7 HRS 01 0"	CONTI	NUED			· ,	
	ĩ8ĩ	7	CV7S	LOM	VERIFY READY FOR CAMERA OVERRIDE CONTROL SYSTEM TO BE SWITCHED TO MODE II.	
	ī8ī	8	CVTS	CYSC	PLACE CAMERA OVERRIDE CONTROL SYSTEM In mode II;	
-	ĩ8í	9	CISC	CVTS	CAMERA OVERRIDE CONTROL SYSTEM IS IN Mode II.	
-	ībī	1.0	CVTS	LOM	VERIFY CAMERA OVERRIDE CONTROL SYSTEM Mode II LIGHT IS ON.	
	ī81	11	CVTS	CYSC	CAMERA OVERRIDE CONTROL SYSTEM MODE IN LIGHT ON	
	ī81	12	CTSC	CVTS	OIS TO AND FROM THE FAD WILL BE DEACTIVATED (OIS WILL BE REACTIVATED AT YO4 HOURS; SOL OU).	
;	181 1	13	CTSC	evts	OIS TO AND FROM THE PAD HAS BEEN Deactivated.	
	ī8î	14	CPSS	evts	PAD CLEARING OPERATIONS ARE COMPLETE.	
	ībi	<u>1</u> 5	CVPS	CLTC	PAD CLEARING OPERATIONS ARE COMPLETE:	
•	ībì	16	CVYS	HARD Top	RETURN TO FALLBACK AREA.	
	181 /	17	SRO	EVYS	RANGE SAFETY COMMAND CARRIER IS COMING ON FOR ETR COMMAND VALIDATION PEST,	
					VERIFY IN COMMAND RECEIVER/DECODER IS OFF.	
					VERIFY DRSCS RECEIVERS ARE OFF.	
5 HRS					-	
	ĩ8ï	1	CVÝS	EPSS	DISPATCH PAD EGRESS TEAM FROM Roadblock as:	

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SPACE V		22, 193 L	73		E VEHICLE PAGE LAUNCH OPERATIONS VEHICLE	134 V-40400R SKYLAB R
TIME	сомм. Сн	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-5 HRS 5' 0"	181	1	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR LV FREQUENCIES 240.2, 256.2, 258.5, 250.7, 255.1, AND 5765 MHZ FOR RF COMPATIBILITY TEST.	
-5 HRS 0' 0"					, •	
	181	1	CLTC	CVTS	LV LOX LOADING IS COMPLETE. ALL STAGE REPLENISH IS NORMAL.	
	181	2	CLTC	CVTS	VERIFY CLEARANCE FOR LV FREQUENCIES 240.2, 256.2, 258.5, 250.7, 255.1 AND 5765 MHZ FOR RF COMPATIBILITY TEST.	
	181	3	SRO	сvтѕ	ETR COMMAND VALIDATION TEST IS COMPLETE. RANGE SAFETY COMMAND CARRIER IS OFF.	
	181	4	CVTS	CLTC	ETR COMMAND VALIDATION TEST IS COMPLETE. RANGE SAFETY COMMAND CARRIER IS OFF.	
-4 HRS 50' 0"					· · · ·	
	181	1	CVTS	SRO	VERIFY CLEARANCE TO RADIATE THE LV LOCAL RANGE SAFETY COMMAND CARRIER FOR DRSCS CLOSED LOOP TEST. PROTECTION IS REQUIRED.	

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KSC FORM 23 818 (REV 4/71)

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	RIGIN	. —	1		t VEHICLE	SKYLAB
TIME	COMM.	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	REMARKS
4 HRS						
	181	1	CLTC	CVTS	VERIFY CLEARANCE TO BRING UP THE LOCAL RANGE SAFETY COMMAND CARRIER. (PROTECTION IS REQUIRED.)	
			•		REQUEST SRO SWITCH TO CH. 261 TO SUPPORT DRSCS CLOSED LOOP TEST USING FLIGHT CODE PLUGS.	
				•	REQUEST CPSS RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN.	
	181	2	CVTS	SRO	STANDBY ON CH. 261 FOR DRSCS CLOSED LOOP TEST USING FLIGHT CODE PLUGS.	
	181	3	CVTS	CPSS	RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN.	
	181	4	CPSS	CVTS	DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN.	
	181	5	CLTC	сутѕ	LOCAL RANGE SAFETY COMMAND CARRIER IS COMING ON.	
					NOTE	
		-			THE DETAILED SEQUENCES FOR THE DRSCS CLOSED LOOP TEST ARE IN THE LV PROCEDURE.	
4 HRS		i				
	181	1	CVTS	MSTC GMIL SRO	VERIFY READY TO SUPPORT RF COMPATIBILITY TEST.	
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KSC FORM 23 818 (REV 4/71)

NASA KSC COML APR 71

14 HRS 181 1 CLTC CVTS DRSCS CLOSED LOOP TEST IS COMPLETE. LOCAL RANGE SAFETY COMMAND CARRIER IS OFF. 181 2 CVTS SRO DRSCS CLOSED LOOP TEST IS COMPLETE. LV LOCAL RANGE SAFETY COMMAND CARRIER IS OFF. 181 2 CVTS SRO DRSCS CLOSED LOOP TEST IS COMPLETE. LV LOCAL RANGE SAFETY COMMAND CARRIER IS OFF. 181 3 CLTC CVTS REQUEST RANGE SAFETY COMMAND CARRIER ON AND VERIFY. 181 4 CVTS SRO BRING UP RANGE SAFETY COMMAND CARRIER AND VERIFY. 181 5 CVTS CLTC RANGE SAFETY COMMAND CARRIER IS ON. 181 5 CVTS CLTC RANGE SAFETY COMMAND CARRIER IS ON. 181 6 CLTC CVTS REQUEST RANGE INTERROGATE RADAR BEACONS 1 AND 2. REQUEST ALL LAUNCH DAY RADAR UP THROUGH COMPLETION OF RF COMPATIBILITY TEST. REQUEST ALL LAUNCH DAY RADARS THROUGH COMPLETION OF RF COMPATIBILITY TEST. 181 7 CVTS SRO INTERROGATE RADAR BEACONS 1 AND 2. BRING UP ALL LAUNCH DAY RADARS THROUGH COMPLETION OF RF COMPATIBILITY TEST. BRING UP ALL LAUNCH DAY RADARS THROUGH COMPLETION OF RF COMPATIBILITY TEST ON CH. 261. 181 8 CLTC CVTS IN READY FOR RF C	181 1 CLTC CVTS DRSCS CLOSED LOOP TEST IS COMPLETE. LOCAL RANGE SAFETY COMMAND CARRIER IS OFF. 181 2 CVTS SRO DRSCS CLOSED LOOP TEST IS COMPLETE. LV LOCAL RANGE SAFETY COMMAND CARRIER IS OFF. 181 2 CVTS SRO DRSCS TRANGE SAFETY COMMAND CARRIER IS OFF. 181 3 CLTC CVTS REQUEST RANGE SAFETY COMMAND CARRIER ON AND VERIFY. 181 4 CVTS SRO BRING UP RANGE SAFETY COMMAND CARRIER IS ON. 181 5 CVTS CLTC RANGE SAFETY COMMAND CARRIER IS ON. 181 5 CVTS CLTC RANGE SAFETY COMMAND CARRIER IS ON. 181 6 CLTC CVTS REQUEST RANGE INTERROGATE RADAR BEACONS 1 AND 2. 181 6 CLTC CVTS REQUEST ALL LAUNCH DAY RADAR UP THROUGH COMPLETION OF RF COMPATIBILITY TEST. 181 7 CVTS SRO INTERROGATE RADAR BEACONS 1 AND 2. BRING UP ALL LAUNCH DAY RADARS THROUGH COMPLETION OF RF COMPATIBILITY TEST. BRING UP ALL LAUNCH DAY RADARS THROUGH COMPLETION OF RF COMPATIBILITY TEST. 181 8 CLTC CVTS IS READY FOR RF COMPATIBILITY TEST ON CH. 261. 181 9	REMARK
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181 8 CLTC CVTS IU RECEIVER/DECODER IS ON. 181 9 MSTC CVTS CSM IS READY FOR RF COMPATIBILITY TEST ON CH. 261. 181 10 CVTS CLTC CSM UHF AND VHF-AM ARE ON. 181 10 CVTS CLTC CSM UHF AND VHF-AM ARE ON. 181 11 CLTC CVTS REQUEST SRO, MSTC AND GMIL GO TO CHANNEL 261 TO SUPPORT RF	181 8 CLTC CVTS IU RECEIVER/DECODER IS ON. 181 9 MSTC CVTS CSM IS READY FOR RF COMPATIBILITY TEST ON CH. 261. - CSM UHF AND VHF-AM ARE ON.	
181 9 MSTC CVTS CSM IS READY FOR RF COMPATIBILITY TEST ON CH. 261. - CSM UHF AND VHF-AM ARE ON. 181 10 CVTS CLTC CSM UHF AND VHF-AM ARE ON. . 181 11 CLTC CVTS REQUEST SRO, MSTC AND GMIL GO TO CHANNEL 261 TO SUPPORT RF	181 9 MSTC CVTS CSM IS READY FOR RF COMPATIBILITY TEST ON CH. 261. CSM UHF AND VHF-AM ARE ON.	
181 10 CVTS CLTC CSM UHF AND VHF-AM ARE ON. 181 11 CLTC CVTS REQUEST SRO, MSTC AND GMIL GO TO CHANNEL 261 TO SUPPORT RF	TEST ON CH. 261. CSM UHF AND VHF-AM ARE ON.	
18110CVTSCLTCCSMUHFANDVHF-AMAREON18111CLTCCVTSREQUESTSRO,MSTCANDGMILGOTO </td <td></td> <td></td>		
181 10 CVTS CLTC CSM UHF AND VHF-AM ARE ON. . 181 11 CLTC CVTS REQUEST SRO, MSTC AND GMIL GO TO . 181 11 CLTC CVTS REQUEST SRO, MSTC AND GMIL GO TO . 181 11 CLTC CVTS REQUEST SRO, MSTC AND GMIL GO TO .		
CHÂNNEL 261 TO SUPPORT RF		

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

PH FORM 21 HIB OR V 4771-

PAGE

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 LAUNCH OPERATIONS REVISION ORIGINAL

PAGE 137 TEST NO SV-40400R VEHICLE SKYLAB R

TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
-4 HRS 37' 0"	CONTI	NUED				
-	181	12	сутѕ	MSTC GMIL SRO	STANDBY ON CHANNEL 261 TO SUPPORT RF COMPATIBILITY TEST.	
			·		NOTE	
				•	THE DETAILED SEQUENCES FOR THE RF COMPATIBILITY TEST ARE IN THE LV PROCEDURE.	-
	181	13	CLTC	cvts	CLEAR TO BRING DOWN RANGE RADARS.	
	181	14	сутѕ	SRO .	CLEAR TO BRING DOWN RANGE RADARS.	
	181	15	CLTC	сутѕ	RF COMPATIBILITY TEST IS COMPLETE.	
					DESTRUCT SYSTEM ENABLE KEY HAS BEEN RETURNED TO CPSS.	
^	:				ALL LV RF AND TM SYSTEMS ARE OFF.	
	-			•	IU COMMAND RECEIVER/RECODER IS OFF.	
					RANGE SAFETY COMMAND CARRIER IS OFF.	
	181	16	CPSS	cvts	DESTRUCT SYSTEM ENABLE KEY RETURNED.	
	181	17	CVTS	SRO	ALL LV RF AND TM SYSTEMS ARE OFF.	
					IU RECEIVER/DECODER IS OFF.	
	181	18	CVTS	GMIĻ	I.U. RECEIVER/DECODER IS OFF.	
				-	RANGE SAFETY COMMAND CARRIER IS OFF.	
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	VEHICLE		COMMAND	TI	COMM.	
REMARK	DESCRIPTION	STA.	STA.	SEQUENCE	CH.	TIME
						Î
	·					-4 HRS
		1				50' 0"
	OIS TO AND FROM THE PAD HAS BEEN REACTIVATED.	CVTS	стѕс	1	181	
	VERIFY PAD EGRESS TEAM IS ON STATION FOR COMM CHECK.	HARD TOP	сутѕ	2	181	
	HF 105 CH. COMM CHECK.	SPAD	сутѕ	3	HF 105	
•						4 HRS
	LV CRYO LOADING IS COMPLETE AND NORMAL REPLENISH HAS BEEN ESTABLISHED.	CVTS	CLTC	1	181	
					•	-4 HRS L0' 0"
	AAS POWER BUSSES WILL BE REQUIRED AT T-3 HOURS, 10' 0".	стѕс	CVTS	1	181	
	HAVE BWIC MONITOR CH. 181.					
						-4 HRS
						5' 0"
-	AAS POWER SUPPLIES ARE COMING ON.	CVTS	BWIC	1	181	
	,			•		-4 HRS 0' 0"
	PAD EGRESS TEAM IS ON STATION MANNED AND READY TO SUPPORT.	CVTS	HARD TOP	1	181	
	DELIVER ELEVATOR CONTROL PANEL KEYS TO CSTO AT ASTRO COMM CONSOLE AC 15.	стѕс	çvтs	2	181	•
	VERIFY NO VISIBLE LOX VAPORS IN PRIME ACCESS ROUTE.	HARD TOP	сутѕ	3	181	
	VERIFY ELEVATOR CONTROL PANEL IS FUNCTIONAL.	сѕто	CVTS	4	181	

45C FORM 23-818 IRFV 4/71

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TIME	сомм. сн	SEQUENCE	COMMANI STA	RESPONSE STA.	DESCRIPTION	REMARKS
4 HRS 01 01	CONTI	NUED			-	
	181	5	MSTC	EVTS	REQUEST GMIL PERFORM UHLOCKED VCO (CSM S#BAND DOWNLINK VARIABLE CARRIER OSCILLATOR) READOUT AND VERIFY COMPLETION;	
	18 <u>1</u>	6	CVÝS	GMIL	PERFORM CSM SOBAND UNLOCKED VCO READOUT AND VERIFY COMPLETION;	
	181	7	CVYS	HSTC.	UNLOCK VCO READOUT IS COMPLETE!	
	ī81	8	CTSC	EVTS	MSS IS IN HATE POSITION, REQUEST Clearance to lower MSS onto support Columns,	
-	ī8i	9	CVTS	CPSS	MSS IS IN MATE POSITION, VERIFY CLEARANCE TO LOWER MSS ONTO SUPPORT COLUMNS,	
	181	10	CVTS	CTSC	LOWER HSS ONTO SUPPORT COLUMNS;	н
3 HRS 501 0"						
	18 <u>1</u>	1	CLTC	CVTS	LV IS READY FOR CSH CLOSEOUT CREW	
	ī8 <u>i</u>	2	CVTS	ĈPSS	VERIFY CSM CLOSEDUT CREW I'S AT Roadblock a5;	*
	181	3	CVŸS	HSTC	CSM CLOSEOUT CREW IS AT ROADBLOCK A5.	
	ī81	4	CYTS	CPSS	VERIFY CLOSEOUT CREW CLEAR TO ENTER The controlled Area,	
	212	5	CVTS	CSTO	SWITCH ELEVATORS 1 AND 2 TO THE EGRESS Mode, Position Elevators to the man Level and verify.	

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

PAGE 139

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 LAUNCH OPERATIONS DATE REVISION, ORIGINAL

PAGE

TEST NO

VEHICLE

140 SV-40400R SKYLAB R

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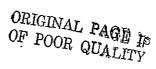
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TIME	COMM. CH	SEQUENCE	COMMAND STA.	RESPONSE DESCRIPTION	REMARKS
~3 HRS 501 0"	CONTI	NUED		NOTE	
				CONTROL OF ELEVATORS 1 AND 2 WILL BE PER SPACECRAFT LAUNCH OPERATIONS CLOSEOUT PLANS FOR NORMAL OPERATIONS,	`
		•.		NOTE	
				SHOULD THE WATER GLYCOL CREH BE REQUIRED; THE FOLLOWING APPLIES	
				THE WATER GLYCOL CREW TAKES ELEVATOR 2 TO THE 80 FOOT LEVEL AND RETAINS THE ELEVATOR AT THIS LEVEL WITH THE EMERGENCY STOP SWITCH.	
				AFTER THE WATER GLYCOL GREW ON THE 80 FOOT LEVEL HAS CLEARED THE ML, POSITION ELEVATOR 2 AT THE 320 POOT LEVEL IN THE EGRESS MODE AND VERIFY, AFTER THE GLOSEOUT CREW HAS CLEARED THE ML, POSITION ELEVATOR 1 AT THE 320 FOOT LEVEL AND VERIFY, (ELEVATOR 1 IS ALREADY IN THE EGRESS MODE),	
				THE CLOSEOUT AND FLIGHT CREW UTILIZE ELEVATOR 1 BETHEEN The "A" LEVEL AND THE 320 Foot Level per the CSM TCP Fo=K=007V1	
					NASA PCL (OAN ATA 1

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 INVISION ORIGINAL TEST NO SV-40400R

VEHICLE

SKYLAB R

TIME	сомм 	SEQUENCE	COMMAND STA	SPONSE STA	DESCRIPTION	 REMARKS
3 HRS 501 0"	ČONT I			CORRESS CIN THE CIN THE CEMERGEN CEXISTS CORRESS CORPOR CORPOR CORPOR CORPOR CORPOR CORPOR CORPOR CORPOR CORPOR CORESS CLAUNCH	EVENT AN EVENT AN NCY CONDITION WHICH REQUIRES RESS OF THE CREW AND/OR T PERSONNEL FROM AST DANGER AREA, OCEDURES DETAILED ASTP/SKYLAB CREW EMERGENCY PROCEDURES COMPLEX 39, TEP	
-		-		 ↓ IMPLEM ↓ PROCED ↓ DURING ↓ TIME <l< td=""><td>646002: SHALL BE ENTED: THIS URE IS APPLICABLE THE PERIOD OF ROM THE RETURN OF M CLOSEDUT CREN BLAST DANGER FTER CRYOGENIC G: THROUGH LAUNCH ESS OF THE CREN HE BLAST DANGEN N BLAST DANGEN ESS OF THE CREN BLAST DANGEN BLAST DANGEN</td><td></td></l<>	646002: SHALL BE ENTED: THIS URE IS APPLICABLE THE PERIOD OF ROM THE RETURN OF M CLOSEDUT CREN BLAST DANGER FTER CRYOGENIC G: THROUGH LAUNCH ESS OF THE CREN HE BLAST DANGEN N BLAST DANGEN ESS OF THE CREN BLAST DANGEN BLAST DANGEN	
					NOTE	
				CONTINGE ACCESS T AREA DUR TIME FRO CRYOGENI CRYOGENI PROCEDUR APPENDIX	VENT THAT A NCY CREW REQUIRES O THE BLAST DANGER ING THE PERIOD OF M THE END OF C LOADING THROUGH C DETANKING, THE ES DETAILED IN B OF THIS DOCUMENT IMPLEMENTED,	

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NASA NSC LONE APP 71

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION. ORIGINAL LAUNCH OPE LAUNCH OPERATIONS

PAGE 142 TEST NO 5V-40400R

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SKYLAB R VEHICLE

TIME	сомм. Сн.	SEQUENCE	STA	RESPONSE STA	DESCRIPTION	REMARKS
				•	-	
-3 HRS 50' 0"	CONTI	NUED				
	181	6	CVTS	мѕтс	CONTROLLED AREA IS NOW OPEN FOR CLOSEOUT CREW.	
	181	7	мѕтс	CVTS	DISPATCH CLOSEOUT CREW TO SA-9 FROM ROADBLOCK A5.	
	181	8	сүтѕ	CPSS	DISPATCH CLOSEOUT CREW AND VEHICLES 1 AND 2 FROM ROADBLOCK A5.	
					NOTE	•••
	•				SHOULD THE WATER GLYCOL CREW BE REQUIRED, DISPATCH VEHICLE 3 TO THE PAD.	
					NOTE	
					CM CLOSEOUT CREW AND FLIGHT CREW PERSONNEL WILL REPORT TO CVTS UPON ENTERING AND PRIOR TO EXITING ML (HI RISE) ELEVATORS VIA PT-PT PHONE PER SC LAUNCH CLOSEOUT PLANS.	• •
3 HRS						
	181	1	CTSC	CVTS	MSS IS ON SUPPORT COLUMNS.	
	181	2	CTSC	CVTS	ENTRANCE TO LCC ROOM 1P4 WILL BE REQUIRED IN 30 MINUTES TO JUMPER MSS FIRE ALARM CABLES PRIOR TO CONNECTION.	
	181	3	CVTS	CTNS	ENTRANCE TO LCC ROOM 1P4 WILL BE REQUIRED IN 30 MINUTES TO JUMPER MSS FIRE ALARM CABLES PRIOR TO CONNECTION.	

NSP FORM 23 BID (REV 4/71)

NASA NSC COML APR/71

сойм. sec сн. sec		CLTC		PRIMARY DAMPER IS RETRACTED AND LATCHED. STOP CDC AT T-3 HOURS, 30' 0" FOR SCHEDULED HOLD OF APPROXIMATELY 1 HOUR.	REMARKS
		CLTC		LATCHED. STOP CDC AT T-3 HOURS, 30' 0" FOR SCHEDULED HOLD OF APPROXIMATELY	-
		CLTC		LATCHED. STOP CDC AT T-3 HOURS, 30' 0" FOR SCHEDULED HOLD OF APPROXIMATELY	
		CLTC		LATCHED. STOP CDC AT T-3 HOURS, 30' 0" FOR SCHEDULED HOLD OF APPROXIMATELY	
•	1		CVTS	SCHEDULED HOLD OF APPROXIMATELY	
•	1	-	CVTS	SCHEDULED HOLD OF APPROXIMATELY	
-					1
				LENGTH OF HOLD AT T-3 HOURS, 30' O" WILL BE	
1				• • •	· .
		-		HRS MIN SEC	
				GMT.	
				HRS MIN SEC	
			-	A NOMINAL HOLD OF 2 MINUTES IS TO OCCUR AT T-15' 0" FOR ADDITIONAL LIFTOFF TIME ADJUSTMENT.	
				·	
		•			
		`			
					THE COUNT WILL BE RESUMED AT GMT. HRS MIN SEC A NOMINAL HOLD OF 2 MINUTES IS TO OCCUR AT T-15' 0" FOR ADDITIONAL

KSC FORM 23 818 (REV 4/71)

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REVISION (RIGIN				VEHICLE	SV-40400 SKYLAB
TIME	COMM, CH,	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
HOLDING -3 HRS 30' 0"						
					STARTING 1 HOUR SCHEDULED HOLD	
·	181	1	CVTS	CLTC MSTC HFLT GMIL SRO		
				CTSC	THE CDC IS BEING HELD AT T-3 HOURS, 30° 0" FOR NEW LIFTOFF TIME UPDATE.	
					THE COUNT WILL BE RESUMED AT	
			· • ·		HRS MIN SEC	
					5' 0" PRIOR TO RESUMING COUNT (IF NO HOLD, T-3 HOURS, 35' 0")	
	181	2	CVTS	HFLT	VERIFY GO/NO-GO FOR FLIGHT CREW DEPARTURE FROM THE MSOB.	,
	181	3	CVTS	SRO	VERIFY RADIATION CLEARANCE FOR GMIL FINAL ANTENNA ALIGNMENT (255.1, 258.5, AND 2287.5 MHZ).	
			•		JUST PRIOR TO RESUMING COUNT	-
	181	4	CVTS	CLTC MSTC HFLT GMIL SRO		
				CTSC	THE CDC WILL BE RESTARTED AT T-3 Hours, 30' 0" on My Mark.	
					5 - 4 - 3 - 2 - 1 - MARK.	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

KSC FOPM 23 818 IREV 4/71

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NASA NSC COML APR/71

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

	ORIGINA	r	COMMAND	RESPONSE		SKYLAB
TLME	СН.	SEQUENCE	STA	STA	DESCRIPTION	REMARKS
3 HRS			-			2
30' 0'						ļ
	181	1	CVTS	CPSS	VERIFY SAFETY GO FOR FLIGHT CREW INGRESS AT T-2 HOURS, 40' 0".	
	181	2	CVTS	CPSS	VERIFY GO FOR FLIGHT CREW DEPARTURE FROM MSOB.	
	181	3	MSTC	CVTS	VERIFY SAFETY CLEARANCE FOR CREW DEPARTURE FROM MSOB.	
	181	4 、	GMIL	CVTS	VERIFY RADIATION CLEARANCE FOR GMIL FINAL ANTENNA ALIGNMENT. GMIL SWITCHING TO CH. 214 TO COORDINATE FINAL ANTENNA ALIGNMENT.	
	181	5	CVTS	MSTC	GMIL SWITCHING TO CH. 214 TO COORDINATE GMIL FINAL ANTENNA ALIGNMENT.	
	181	6	MSTC	CVTS	CMS COMMAND DECODER IS OFF.	
5 HRS			-			
	181	1	MSTC	CVTS	NOTIFY CPSS THAT SPAD HAS PYRO ARM SWITCH GUARD.	
	181	2	сутѕ	CPSS	SPAD HAS PYRO ARM SWITCH GUARD.	
	181	3	сүтэ	GMIL	POWER UP THE AIU AND VERIFY.	
			•			
-			•			

*14 + 144 H + + 618 HEV 4/215

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	RIGIN		ICOM AND	RESPONSE		SKYLAB
TIME	сн.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
3 HRS 01 01	ĊONŦI	NUED				
	ī8î	4	CVTS	LOM	VERIFY THE FOLLOWING SRITCHES ON THE ABORT REQUEST PANEL ARE OFF.	
					ABORT REQUEST ENABLE, ABORT REQUEST A, AND ABORT REQUEST B,	
	181	5	CVPS	BWIC	TURN ON AAS POWER BUSSES.	
	×	6.		LOM	NOTE THAT THE FOLLOWING LIGHTS ON THE ABORT REQUEST PANEL GO ON	- • 、
				-	POWER SUPPLY 1, 2, 3, AAS SUPPLY, AND ORDNANCE SAFE,	
3 HRS 01 07	-					
	ī81	1	GMĮL	¢vTs	GMIL FINAL ANTENNA ALIGNMENT IS Complete, GMIL RF is off;	
	181	2	CVTS	SRÓ	GHIL FINAL ANTENNA ALIGNMENT IS Complete, clearance for 2287,5 MHz Still reguired;	-
2 HRS 581 0#						
	18ī	1	CVTS	LOM	ABORT REQUEST ENABLE SHITCH TO ON AND VERIFY;	
		2		LOM	NOTE THAT THE FOLLOWING LIGHTS ON THE ABORT REQUEST PANEL GO ON	
			-		REQUEST A ENABLED AND REQUEST B ENABLED;	
	18 <u>1</u>	3	CVTS	ℍ₣⊑℉	GMIL COMMAND SYSTEM WILL BE SAFED Momentarily for aiu enable;	
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TIME	COMM. CH	SEQUENCE	COMMAND	RESPONSE			1
		1	_ STA.	STA	DESCRIPTION		REMARKS
			,				
	CONTI	NUED					
581 0"							
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	î8ï	4	CVÝS	BHIL	SAFE THE GMIL COMMAND SYSTEM; E THE AIU;	NADLE	
•••					ARM THE GMIL COMMAND SYSTEM AND Verify that gmil abort system is	60,	
		5		LOM	NOTE THAT THE GHIL ON LIGHT IS O	N .	-
	181	6	CVYS	HEP1	GMIL COMMAND SYSTEM IS ARMED. A ENABLED:	AS IS	
2 HRS							
401 01					· ·		
					NOTE		-
				ı	THE PLIGHT CREW IS SCHEDULED To ingress the command modul At this time,	E	
					,		
-2 HRS 30' 0"							
	Ļsr Uhr,	1	CVTS	BEACH Boss	VERIFY COMMUNICATIONS GO VIA LSR	UHF;	
	105 4F	2	CVYS	ASTRO Van	STANDBY AT FALLBACK AREA.		
	-17			T PAIN			
2 HRS 201 0"					-	· ·	
		i		L1 Z2 Z3	MONITOR CHANNEL 181 FOR AAS COMM CHECKS;		
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	601411	1	COMMAND	DECODATES			
TIME	сомм. сн.	SEQUENCE	STA.	STA.	DESCRIPTION		REMARKS
2 HRS 51 0"			-		· .		
	181 1	Ĩ	ĻOM	71 22 23	VERIFY COMM SYSTEM GO ON CHANNEL	101.	
	181 1	2	LOM	I1 22 23	SWITCH TO ABORT ADVISORY CHANNEL	•	
•	AAC	. 3	LOM	Z1 Z2 Z3	VERIFY COMM SYSTEM GO ON ABORT Advisory channel,		-
	AAC	4	LOM	Z1 22 Z3	AAS COMM CHECKS ARE COMPLETE;		
	-18í	5	LOH	¢v†s	AAS COMM CHECKS ARE COMPLETE!		
2 HRS					· ·		
	181	1	CVÝS	SRO	VERIFY RADIATION CLEARANCE FOR L' FREQUENCIES 240.2, 256.2, 258.5, 250.7, 255.1 AND 5765 MHZ.	v .	·
2 HRS					-		
	181	1	CLTC	CVTS	REQUEST SRO TURN RANGE SAFETY CAN ON AND VERIFY,	RIER	
					1U COMMAND RECEIVER/DECODER IS OF	FF:	
	ī8i	2	CVTS	HFLY GMIL	RANGE SAFETY COMMAND CARRIER AND Command Receiver/decoder are com		*
	181	3	CVTS	SRO	IU COMMAND RECEIVER/DECODER IS OF	FF¦	
					BRING UP RANGE SAFETY COMMAND CAP AND VERIFY;	RRIER	
						•	

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ын А		22, 19 \L	73		E VEHICLE PAGE TEST NO LAUNCH OPERATIONS VEHICLE VEHICLE		149 40400r/ Kylab R
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION		REMARKS
-2 HRS 11' 0"	CONTI	NUED			· · ·		
- -	ĩ8ĩ	4	SRO	EVTS	RANGE SAFETY COMMAND CARRIER IS ON!		
	ī81	5	CVTS	SLIC	RANGE SAFETY COMMAND CARRIER IS ON		
	ĩbi	6	CLÝC	EYTS	IU COMMAND RECEIVER/DECODER IS ON.		
		-		•	REQUEST GHIL: HFLT AND SRO MONITOR CH: 261 AND REPORT WHEN READY TO SUPPORT FT:47 (PREFLIGHT COMMAND SYSTEM TEST);		
 	ī8i	7	CVYS	8R0	MONITOR CH. 261 AND REPORT WHEN READY TO SUPPORT FT=47.		
	ī81 ,	8	CVTS	HFLY - Gmil	IU COMMAND RECEIVER/DECODER IS ON; Range Safeyy command carrier is on;		
				•	MONITOR CH. 261 AND REPORT WHEN READY TO SUPPORT FT=47.		
-2 HRS					-		
	18i	1	LOM	CVTS	READY TO SUPPORY AAS CHECKS AT TO1 Hour, 55! of on CH. 214.		
	1 81	2	CVÝS	HFLT GMIL	VERIFY READY TO SUPPORY MCC/CSH Command and aas checks on ch, 214;		
-2 HRS							
	1 81	1 .	CLTC	CVTS	VERIFY RANGE CLEARANCE FOR LV FREQUENCIES 240.2, 256.2, 256.5, 250.7, 255.1 AND 3765 MHZ.	•	
		v	-		<i>.</i>		
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TIME	сомм сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
2 HRS 01 0"					· · · · · ·	
	ī8i	1	MSTC	€¥ĩS	VERIFY LOM READY FOR AAS CHECKS AT T- Hour, 551 of ON CH. 214.	•
		í			EDS POWER COMING ON AT T-1 HOUR. 55: 0".	
					CSM COMMAND DECODER COMING ON.	-
					REQUEST GHIL SUPPORT ON CH! 214	
		· .			REQUEST HFLT STANDBY FOR COMMAND CHECKS;	
	ī8í	2	CV†S	៩៤។០	CSM EDS POWER IS COMING ON AT TO1 Hour, 35: 0"	•
•	ī8í	2	CVTS	GMIL	STANDBY ON CH, 214 TO SUPPORT NCC/CSM Command and aas Checks!	
	18 <u>1</u>	4	CVTS	HFLT	STANDBY ON CH, 214 TO SUPPORT HCC/CSM COMMAND AND AAS CHECKS!	
					CSM COMMAND DECODER IS COMING ON	
	ĩ8i	5	CLŤC	CVIS	HOUSTON PREFLIGHT COMMAND SYSTEM TEST IS COMPLETE;	
					REQUEST CLEARANCE TO BRING UP THE EV LOCAL CLOSED LOOP IU COMMAND CARRIER; PROTECTION IS NOT REQUIRED;	
	18 <u>1</u>	6	CVTS	SRÓ	HOUSTON PREFLIGHT COMMAND SYSTEM TEST IS COMPLETE;	
					VERIFY RADIATION CLEARANCE FOR THE LV LOCAL CLOSED LOOP IU COMMAND CARRIER, PROTECTION IS NOT REQUIRED.	
•	181	7	CVYS	ELTC	BRING UP LOCAL CLOSED LOOP IU COMHAND CARRIER:	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973 REVISION ORIGINAL LAUNCH OPERATIONS

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KST FORM 21818 (REV 4/71)

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TIME	COMM.	SEQUENCE	COMMAND		DESCRIPTION	REMARKS
	СН.		STA.	STA.		
2 HRS	CONTI	NUED			· · · · · · · · · · · · · · · · · · ·	
••••	ī8ī	8	CLŶC	EVIS	REQUEST SRO REMOVE RANGE SAFETY	•
-					COMMAND CARRIER, REPORT WHEN COMPLETE	
				1	LOCAL CLOSED LOOP IU COMMAND CARRIER IS ON,	
	181	9.	CVIS	SRO [°]	LV LOCAL CLOSED LOOP ID COMMAND Carrier is on,	-
					BRING DOWN RANGE SAFETY COMMAND Carrier and Verify,	•
	18ï	10	SRO	EVTS	RANGE SAFETY COMMAND CARRIER IS OFF.	
	18ì	11.	CVŦS	€Ļ₹C	RANGE SAFETY COMMAND CARRIER IS OFF.	
	181	1.2	CVÝS	HFLT GMIL	RANGE SAFETY COMMAND CARRIER IS OFF.	
			•		LV LOCAL CLOSED LOOP IN COMMAND CARRIER IS ON,	
					IU COMMAND RECEIVER/DECODER IS ON;	
1 HR 561 0"						-
	181	1	CVŦS	BWIC	TURN ON AAS EVENT RECORDERS AT FAST Speed.	-
			-		· · · · · ·	
1 HR 551 0"					· · ·	
	18 1	1	MSTC .	EVIS	EDS POHER IS ON	
•	214	2	MSTC	LOM	ABORT REQUEST A SHITCH - ON'	
		- 3		LOM	NOTE THAT REQUEST A TRANSMITTED AND Request a received lights are on,	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATF. AUGUST 22, 1973 REVISION ORIGINAL

PAGE 152 TEST NO SV-40400R SKYLAB R VEHICLE

TIME	COMM CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
~ 1 HR 551 04	CONTI	NUED		-		-
	214	5	MSTC	LOM	ABORT REQUEST A SWITCH - OFF;	
		6	-	LOM	NOTE THAT REQUEST A TRANSMITTED LIGHT IS OFF AND REQUEST A RECEIVED LIGHT REMAINS ON;	
	214	7	SCDR		ABORT LIGHT - REMAINS ON:	
	214	8	MSTC	ℍ₣ĻŢ	EXECUTE ABORT LIGHT (SYSTEM A) - OFF (RYC 00);	
-	214	9	SCDR	•	ABORT LIGHT & OFF.	
	214	10	MSTC	LOM	ABORT REQUEST B SWITCH - ON.	
		11		LOM	NOTE THAT REQUEST B TRANSMITTED LIGHT, Request b received light are on and Request a received light is off;	
	214	12	SCDR		ABORT LIGHT & ON,	
	214	13	MSÝC	LOM	ABORT REQUEST B SHITCH - OFF	
Ŋ		14		LOM -	NOTE THAT REQUEST B TRANSMITTED LIGHT OFF AND REQUEST B RECEIVED LIGHT REHAINS ON!	
	214	15	SCDR		ABORT LIGHT REMAINS ON!	
	214	16	MSTC	GWIL	RESET REQUEST B RECEIVED LIGHT.	
	Ż14	17	MSTC	ዘምႱፕ	EXECUTE ABORT LIGHT (SYSTEM B) - OFF (RTC 06).	
	214	18	SCDR		ABORT LIGHT & OFF.	
	214	19	MSŤC	ዘFቤĩ	EXECUTE ABORT LIGHT (SYSTEM A) - ON (RYC 01);	
	Ź14	20	SCDR		ABORT LIGHT - ON.	
	214	21	MSTC	ዘ₣Სፕ	EXECUTE ABORT LIGHT (SYSTEM A) - OFF (RTC 00),	

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VISION 0	RIGINA	\L 		1	VEHICLE	SKYLAB
TIME -	сомм сн.	SEQUENCE	STA.	RESPONSE STA.	DESCRIPTION	REMARKS
1 HR 557 0"	CONTI	NUED		•,		
	214	22	SCDR		ABORT LIGHT - OFF.	
	214	23	MSTC	HFLY	EXECUTE ABORT LIGHT (SŸSTEN B) - ON (RYC 07)	
	214	24	SCDR		ABORT LIGHT - ON,	
-	Ż14	25	MSÝC	HFL¶	EXECUTE ABORT LIGHT (SYSTEM B) - OFF	~
	214	26	SCDR		ABORT LIGHT OFF.	
	ī8ī	27	CLTC	CVIS	LV READY FOR EDS TEST; REQUEST SCO PERSONNEL SWITCH TO CH; 223;	
1 HR 521 0"			-			
	214	1	MSTC	LOM	AAS CHECKS COMPLETE.	
	ī81	2	MSTC	CVTS	AAS CHECKS COMPLETE	
					CSH COMMAND DECODER IS OFF!	
	ī8ī	3	CVYS	H₽ĻT	CSH COMMAND DECODER IS OFF.	
	ī8ī	4	CVTS	MSTC	VERIFY SC PERSONNEL ARE ON GH, 223 For EDS TEST,	
	ī81	5	CVTS	CLIC	SCO PERSONNEL ARE ON CH. 223 TO Support Eds test,	ź
	18 <u>1</u>	6	CVYS	LOM	SWITCH TO CH. 223 TO SUPPORT EDS TEST,	
	223	7	CEDK	LOM	VERIFY ABORT REQUEST ENABLE ON;	
	Ż23	8	LOH		ABORT REQUEST A ENABLED AND REQUEST B ENABLED LIGHTS ARE ON;	
			-			

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NASA KSC COMLAPR 71

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TIME	сомм.	SEQUENCE	COMMAND		DESCRIPTION	REMARKS
•	СН.		STA	STA.		
1 HR	CONTI	NUED				
521 0"						
					NOÎĘ S∎ S	
				-	IN THE FOLLOWING SEQUENCE, Do not operate both switches simultaneously,	
	553	9	CEDK	LOM	ABORT REQUEST A AND ABORT REQUEST B Switches 2 on,	-
		Ì0		LOM	NOTE THAT REQUEST A TRANSMITTED AND Request b transmitted lights go on:	
	223	11	SCDR		ABORT LIGHT ON:	
	Ź23	12	CEDK	LOM	ABORT REQUEST A AND ABORT REQUEST B Switches — OFF.	
		13		LOM	NOTE THAT REQUEST A TRANSMITTED, REQUEST B TRANSMITTED, REQUEST A RECEIVED, AND REQUEST B RECEIVED LIGHTS GO OFF,	
	223	14	SCDR		ABORT LIGHT OFF.	
1 NR					· · · · · · · · · · · · · · · · · · ·	
51 04					<i>,</i>	
	ī81	1		SRO HFL T	FIRST MOTION TEST SIGNAL WILL BE Initiated at To1 Hour, 301 0".	
					VERIFY WHEN SIGNAL HAS BEEN RECEIVED.	
•	ĩ81	2	CVTS	ETSC		
				* r.	AT TH1 HOUR, 301 O" AND VERIFY!	
		•				
11 RM 23 818 [8]		l	L			

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE DATE AUGUST 22, 1973

PAGÉ PAGE 154 TEST NO SV-40400R

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А на		22, 19		RESCU	E VEHICLE PAGE LAUNCH OPERATIONS VEHICLE	15 SV-40400 SKYLAB	R
TIME	сомм. сн	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS	٦
					•		
1 HR 217 07					•	-	
	ī8í	1	CLTC	8V75	EDS TEST IS COMPLETE.		
	ï81	2	MSTC	CVTS	EDS POWER IS OFF.		
	181	3	CVÝS	ELTC	EDS POWER IS OFF.		
	ī8ī	4	CVTS	BWIC	AAS EVENT RECORDERS TO SLOW SPEED.		
1 HR 51 01					· .		
	181	1	CVTS	SRO	VERIFY RANGE IS READY TO SUPPORT LV Radar beacon checks with readouts.		
1 HR 107 07	-				- · · · · · · · · · · · · · · · · · · ·		
*	1 81	1	ՇլրԸ	EVTS	READY TO START RADAR BEACON 2 CHECKS, REPORT GO/NO-GO AND RANGE READOUTS TO VURF ON CH: 264,		
•	181	2	CVTS	SRO	INTERROGATE RADAR BEACON 2 AND Report Go/Nosgo and Readouts to Vurf on CH, 264;		
1 HR 81 07							
	ĩ8 i	1	CV†S	ŝro	VERIFY RADIATION CLEARANCE FOR THE LV LOCAL RANGE SAFETY COMMAND CARRIER FOR DRSCS GLOSED LOOP TEST: PROTEBTION IS REQUIRED;		
1 HR 51 04							
	181	1	CVTS	\$RO	REPORT OPTICS COVERAGE OF LONG RANGE Cameras;		
				ı			
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	RIGINA	22, 19 \L				V-40400 SKYLAB
TIME	сомм. Сн	SEQUENCE	COMMAND STA.	RESPONSE STA.		REMARKS
1 HR	CONTI	NHER				
51 01		NOE 0				
					ŅOTE	
					900 (141) USDATE ADDA 40	
					SRO WILL UPDATE OPTICS Report at 1-30' of IF Significant change occurs;	1
	181	2	CLIC	CVTS	REQUEST CPSS RELEASE DESTRUCT SYSTEM Enable key to clvn and tcs arm key	-
					TO COSP!	
	ī8ī	3	CVTS	CPSS	RELEASE DESTRUCT SYSTEM ENABLE KEY TO CLVN.	
					RELEASE TOS ARM KEY TO C3SR.	
	ī0ī	4	CPSS	€vĩs	DESTRUCT SYSTEM ENABLE KEY RELEASED TO CLVN'	
					TCS ARM KEY RELEASED TO C3SP.	
	îbî	5	CLTC	CVTS	CSA9 WILL REPORT ON CH! 181; CONFIRM When communications have been Satisfactorily established;	
	ī8i	6	CVYS	CYSC	HAVE BPHO MONITOR CH. 181 FOR SAMP Retraction operations.	
	í8i	7	SRO	CYTS	ETR LAUNCH DANGER AREA IS CLEAR,	
1 HR 31 0#			•		`.	
-	181	1	CLIC	CYTS	VERIFY CLEARANCE TO BRING OF THE LOCAL Range Safety command carrier.	
			;		(PROTECTION IS REQUIRED.)	
	ī8 <u>1</u>	2	CLŤC	CYTS	LOCAL RANGE SAFETY COMMAND CARRIER IS COMING ON;	
	181	3	CLTC	CVTS	REQUEST RANGE MONITOR RADAR BEACONS During LV power transfer test.	
				:		
					· · ·	,

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	RIGINA	· 👝			VEHICLE	SKYLA
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	STA.	DESCRIPTION	REMARN
-1 HR 31 04	ČONT I	NUED				
	1 81	4	CVYS	SRO	MONITOR RADAR BEACONS FOR ANY CHANGES DURING LV POWER TRANSFER TEST:	
				·	NOTE	
					LV POWER TRANSFER IS SCHEDULED To occur at T#581 of.	
₩ <u>1</u> HR 01 0"		-				
	ī8ī	1	CVÝS	ℍғ⊾Т	VERIFY GOJNOJGO FOR SAJ9 ENVIRONMENTAL CHAMBER RETRACT TO PARK POSITION;	
-571 Q"						
	181	1	CVTS	SRO	VERIFY RADAR BEACONS HAD NO CHANGES DURING POWER TRANSFER YEST:	
					NOTE STOP	
					NOTIFY CLTE IF RADAR BEACONS ' Had any changes during LV power transfer,	
	ī8ī	2	MSTC	CVTS	EVC HOOD READY FOR SAMP RETRACTION!	
			•	-	CONTROLLED ARE CLEARING THE	
Ť					STANDING BY FOR SAW9 RETRACTION AND TO ARH CSM BUSSES;	
-	•				··· ,	u
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TIME	COMM. CH.	SEQUENCE		STA.	DESCRIPTION	REMAR
-571 OV	CONTI	NUED			· .	
					NOTE Beog	
					THE FOLLOWING SEQUENCE IS NOT TO BE ACCOMPLISHED UNTIL THE CLOSEOUT CREM IS CLEAR OF THE ML	
	ī8 <u>1</u>	3	CVTS	CSTO	POSITION ELEVATOR 1 AT 320 FOOT LEVEL.	-
					VERIFY BOTH BLEVATORS IN EGRESS MOBE AND AT 320 FOOT LEVEL.	
	ī8i	4	CVYS	€PS\$	VERIFY WHEN CSM PERSONNEL HAVE REABHED Roadblock a5:	
-531 QH						
	ī8i	1	CLTC	EVTS	REQUEST SRO SWITCH TO CH. 261 TO Support Range Safety closed loop test USING FLIGHT CODE PLUGS	
	ī8ī	2	CVTS .	SRO	STANDBY ON CH. 261 FOR RANGE SAFETY CLOSED LOOP TEST USING FLIGHT CODE PLUGS.	
l			}			Į ,
					NO TE	
					THE DETAILED SEQUENCES FOR The Range Safety Closed Loop Test are in the LV procedure At t-421 o":	
-521 0"					· ·	
I	ī8ī	1	CVŶS	BPHQ	VERIFY READY FOR SAGO RETRACTION OPERATIONS	
-				~	-	
				1. 		
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE AUGUST 22, 1973 . .

PAGE 158 1151 ND SV-40400R

510N 01	RIGINA		COMMAND	ALCOONES.			REMARKS
TIME	COMM. CH	SEQUENCE	STA.	STA.	DESCRIPTION .		KEMAKAD
	•						
1130"							
1130	• - •			0-0	WEATEN ATALA ARTADAUSA		
	181	1	CVYS	SRO .	VERIFY RADAR BEACON 2 READOUTS COMPLETE AND READY FOR RADAR BEACON 1.		
01 0"							
	1 81	1	CLŶC	EVTS	VERIFY RADAR BEAGON 2 READOUTS Complete and ready for radar Beagon 1 Interrogation!		-1
	101	2	CLŦĊ	CVTS	REQUEST RANGE READOUT OF RADAR . BEACON 1.		-
				-	REPORT READOUTS TO VURF ON CH. 2	64	
	181	3	CV7S	SRO	INTERROGATE RADAR BEACON 1' REP READOUT TO VURP ON CH' 264	ORŸ	
	ī8i	4	CLTC	CVTS	REQUEST HFLT GO TO CH; 263 FOR TELETYPE DATA VERIFICATION;		
	18î	5	CVTS	HFLT	GO TO CH. 263 FOR TELETYPE DATA- Verification.	-	.*
	្រំនន						
-	ŬHF 	6	CVTS	BEACH BOSS	VERIFY LAUNCH SITE RECOVERY PORC Helicopters are on station; Hann Ready to support;	ED AN	ַּ
471 01							
	181	1	MSTC	EVTS	REQUEST GMIL SUPPORT ON CH' 213		
;	181 	2	CVPS	GMIL	STANDBY ON CH. 213 TO PROVIDE CS UHF AND VHFRAM READOUTS;	SM	
•	181	3	CVTS	BMIC	AAS EVENT RECORDERS TO FAST SPEE	D,	
							-

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TIME	COMM CH,	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
471 0"	CONT	NUED	-			
					NOTE	
			-		AFTER PYRO BUSSES ARE ARMED, THE LOM WILL NOTE THAT THE ABORT REQUEST PANEL ORDNANCE ARMED LIGHT IS ON AND THE ORDNANCE SAFE LIGHT IS OFF (REF, SEQ, 5, T-45+ 0"1.	
	ī81	4	CPSS	EVIS	KSC AREA CLEAR FOR LAUNCH.	
	ĩ8î	5	CVŸS	SRO	KSC AREA CLEAR FOR LAUNCH.	
-461 07						
,	-181	1	MSYC	SIAS	EDS POWER COMING ON!	
					CSM COMMAND BECODER COMING ON.	
	ī81	2	CVŶS	ዘFĻቸ	CSM COMMAND DEBODER CONING ON.	
	ī8i	3	CVTS	CLTC	CSM EDS POWER COMING ON.	
-45130#					·	
	181	1	CVTS	MSTC	STANDBY FOR SAG9 ENVIRONMENTAL CHAMBER Reyract	
	18ï	2	CVÝS	CPSS	VERIFY CLEAR TO RETRACT SAND Environmental Chamber to the park position and to arm CSR pyro and LDGIC busses;	
	-					, ·
					· · ·	
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

PAGE 160

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· · · · · · · · · · · · · · · · · · ·	RIGIN	····	COMMANI	RESPONSE		1
TIME	СН,	SEQUENCE	STA.	STA.	DESCRIPTION	REMARK
451 0"				,		•
	-				NOTE	
					FOR THE NEXT 40 MINUTES, CSA9 Requires exclusive control of Cameras 26B and 27B,	
1					abeasssaasCAUTIONassessess	
					© SEQUENCE 3 IS TO BE ACCOMPLIBHED AFTER ACCOMPLIBHED AFTER NOTIFICATION THAT SANG NOTIFICATION THAT SANG NOTIFICATION THAT NOTIFICATION	
					\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
	ĩ8ĩ	1	CVŤS	CSA9	ON YOUR MARK RETRACT SA-9 70 12 Degree Park Position per V-36085; Report when complete;	н
	ī81	2	CSA9	EVTS	SAG9 IS AT 12 BEGREE PARK POSITION!	-
-	ī81	3	CVÝS	MSTC	SAL9 ENVIRONMENTAL CHAMBER IS AT THE 12 DEG PARK POSITION,	
					CLEAR TO ARM CSM BUSSES (PYRO AND Logic);	
	ī8i	4	MSTC	EVTS	CSM BUSSES ARE ARMED (PYRO AND LOGIC).	
- - - - - - - - - - - - - - - - - - -	ī81	5	LOM	EVTS,	THE ABORT REQUEST PANEL ORDNANCE ARMED LIGHT IS ON AND ORDNANCE SAPE LIGHT IS OFF.	
	ī8ī	6	CTSC	CYTS	OIS TO AND FROM THE PAD HAS BEEN DEACTIVATED.	
		(

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11 11 40A 21 818 (KIV - 6-24)

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BME	COMM CH.	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	REMARKS
441 0"					· ·	
				-	CHOCKEDING AND SEQ. 4, THASY ONY.	
•	ī81	1	CV†S	CLTC	CLBAR TO PROCEED WITH DRSCS TEST WITH SRO ON CH, 261.	
421 0"	ibi	1	CLTC	CVTS	REQUEST RANGE SAFETY CONMAND CARRIER on: Report When Turned On:	
					NOTE LV LOCAL CLOSED LOOP IU Command carrier and IU Command Receiver/Decoder are on tref, seq, 12, t=2 hours, o; o");	•
	ī81	2	CVTS	HFLT GMIL	RANGE SAFETY COMMAND CARRIER IS COHING ON.	
	181	2	CVTS	SRO	BRING UP RANGE SAFETY COMMAND CARRIER AND VERIFY:	
	181	4	SRO	CYTS	MONITOR CH, 261 AND REPORT WHEN READY TO SUPPORT FT#47, RANGE COMMAND SAFETY CARRIER IS ON;	

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CE VEHICLE COUNTDOWN - RESCUE VEHICLE

PAGE 162

4 A FERN 23 NIR (FEV 4/21)

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сомм. Сочті 181	SEQUENCE	COMMAND STA.	STA	DESCRIPTION	REMARKS
	NUED				1
	NUED				
		1		. ·	
1 81					
	5	CVTS	CLTC	RANGE COMMAND SAFETY CARRIER IS ON!	
				• 、	
				-*	
1 81	1	CLYC	EVIS	REQUEST GMIL AND HELT MONITOR CH. 261	
	.			(PREFLIGHT COMMAND SYSTEM TEST);	~
				COMMANDS TO BE ISSUED VIA RANGE SAPETY COMMAND CARRIER,	· .
181	2	CVYS	HFLT		
			GHĨĹ	IU COMMAND RECEIVER/DECODER IS ON, Range Safety command carrier is on!	
			 	TO SUPPORT FT047 AND LIFTOFF TIME UPDATE:	
		-		· · · · · · · · · · · · · · · · · · ·	
181	1	CLTC	CVYS	DRSCS TEBT IS COMPLETE: LOGAL RANGE SAPETY COMMAND CARRIER IS OFF, LOBAL CLOSED LOOP IU COMMAND CARRIER IS OFF,	
181	2	CVYS	SRO	LV LOCAL RANGE SAFETY COMMAND CARRIER	
				IS OFF, LV LOCAL CLOSED LOOP IU Command carrier is off!	
				•	
					.
	•				
		Ì			
	181 181	 181 1 181 1 181 1 181 2 	181 1 CLTC 181 2 CVTS 181 1 CLTC 181 2 CVTS	IBI1CLTCEVTSIBI2CVTSHFLT GMILIBI1CLTCCVTSIBI2CVTSSRO	 1 CLTC EVTS REBUEST GMIL AND HFLT MONITOR CH. 261 AND REPORT WHEN READY TO SUPPORT FT-47 (PREFLIGHT COMMAND SYSTEM TEST): COMMANDS TO BE ISSUED VIA RANGE SAFETY COMMAND CARRIER; 181 2 CVTS HFLT GMIL IU COMMAND RECEIVER/DECODER IS ON, RANGE SAFETY COMMAND CARRIER IS ON; MONITOR CH. 254 AND REPORT WHEN READY TO SUPPORT FT-47 AND LIFTOFF TIME UPDATE; 181 1 CLTC CVTS DRSCS TEST IS COMPLETE: LDCAL RANGE SAFETY COMMAND CARRIER IS OFF, LOBAL CLOSED LOOP IU COMMAND CARRIER IS OFF, IS1 2 CVTS SRO LV LOCAL RANGE SAFETY COMMAND CARRIER IS OFF, IS OFF; LV LOCAL CLOSED LOOP IU COMMAND CARRIER IS OFF;

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RMI	сомм. сн	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	. REMARKS
351 0"			Ň			
	181	i	HFLT	CVTS	NEW LIFTOFF TIME IS	
		1	•		HRS HIN SEC	
					CLOSING OF LAUNCH WINDOW IS	
					GMT GMT MRS MIN SEC	
	₹8 £	2	CVŤS		READ BACK TIMES TO THE FLIGHT DIREBTOR FOR CONFIRMATION,	
	ī8 <u>i</u>	3	CVYS	CLTC GMIL Sro	NEW LIFTOFF TIME IS	
	·				HRS MIN SEC	~
					CLOSING OF LAUNCH WINDOW IS	
					HRS MIN SEC	
					' ````````````````````````````````````	
		-				
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SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

PAGE 164

PACE MF. VISION	Aι		22, 19		RESCUE	E VEHICLE TEST NO. LAUNCH OPERATIONS VEHICLE	16 SV-40400F SKYLAB F
TIME		COMM. CH.	SEQUENCE	COMMAND STA,	RESPONSE STA.	DESCRIPTION	REMARKS
·35† (, n	CONTI	NUED		EVTS	NOTE CALCULATION REQUIRED TO Determine count clock pickup time at teis minutes is	-
		~				NEW LIFTOFF TIME HRS MIN SEC	
						MINUS 15 . 00 18 MINUTES MIN SEC	
						CDC PICKUP TIME HRS MIN SEC	
						``	
, 301	0"	18i	í	CV†S	ዘгџየ	VERIFY GO/NOBGO FOR TERMINAL COUNT Sequences;	•** •
-261	0"	ī81	1 .	CVTS	SRO	VERIFY RANGE INTERROGATION OF RADAR BEACON 1 IS COMPLETE;	
-251	Ū1						
2.5	Ū	ī81	1	CLTC	CVTS	HOUSTON PREFLIGHT COMMAND SYSTEM TEST IS COMPLETE:	
						REQUEST GMIL REPORT IU COMMAND Gojno-go to vurf on Ch. 266.	
		ī81	2	CV7S	GHIL		

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x5C 1C #24 2 1818 (917 4/21)

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ate A EVISION O	RIGINA	22, 19 L	/ >		LAUNCH OPERATIONS	SV-40400 SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
·251 0"	ĊONŦI	NUED				-
	181	3	CVTS	CL TC	RANGE INTERROGATION OF RADAR Beacon 1 is complete;	
					VERIFY RADAR BEACON 2 IS COMING ON.	
	181	4	CVTS	SRO	RADAR BEACON 2 IS COMING ON,	
181 0"					· · · · · · · · · · · · · · · · · · ·	
	<u>1</u> 61 ЕМ РА	1	CVŤS		AT CONCLUSION OF T-15'0" HOLD FOR CDC LIFTOFF ADJUSTMENT, THE COUNT WILL BE RESUMED AT	-
-					HRS MIN SEC	
0LDING						
- - - - - - - - 				e591	RTING HOLD FOR LIFTOFF ADJUSTMENT-S-	
	181 Em PA	1	CVTS		THE COUNT IS HOLDING FOR LIFTOFF ADJUSTMENT:	
					JUST PRIOR TO RESUMING COUNT	
1	181 Em Pa	2	CVTS		THE CDC WILL BE RESTARTED AT THIS OF ON MY MARK!	
		-			5 5 4 - 3 - 2 - 1 - MARK:	•
151 04			、		- · ·	
ŗ	ĩ81	1	MSTC	CVTS	SC GOING TO FULL INTERNAL POWER,	
					· ·	

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TIME	сомм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	REMARKS
					,	
151 0"	CONTI	NUED				
	18I	2	MSTC	CVTS	SEND LON TO CH, 214 FOR ASTRO LAUNDH Comm, Checks,	
	ībi	3	CVYS	LOM	GO TO CH' 214 FOR ASTRO LAUNCH COMR' Checks'	
	214	4	MSTC	CSTO	PUT ASTRO LAUNCH CIRCUIT ON VHF.	
	ÂLC	5		¢sto Lom Mstc	PERFORM COMM, CHECKS HITH SCOR VIA VHF on Astro Launch Circuit.	•
	Ž14	6	MSTC	CSTO	PUT ASTRO LAUNCH CIRCUIT ON UMBILICAL.	
					RELEASE VHP'	
	ALC	7		CSTO Lom MSTC	PERFORM COMM, CHECK WITH SCDR VIA UMBILICAL ON ASTRO LAUNCH CIRCUIT;	
	214	8	MSTC	ESTO	PUT CH: 214 ON UMBILICAL AND VHF:	
-		9		LOM	END OF ASTRO LAUNCH CIRCUIT COMM, CHECKS; RETURN TO CH, 181;	
÷14130"						
	261	1	Catc	CLTC	S=14B START TANK CHILLDOWN IS IN Progress:	
-12130"						
	261	1	CLTC	CLGK	READOUT LV FIRING AZIMOTH ON CH. 181 When Ready.	
~10145"					-	
	181	1	CLGK	CLYC	FT242 COMPLETE AND LVDC IN PREPARE TO Launch Kode,	
					• •	
	1				- · ·	

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE

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PAGE 167 TEST NO SV-40400R

KSC FORM 21 818 (PLV 4/21)

ATE- A	UGUST RIGIN	22, 19			E VEHICLE , PAGE LAUNCH OPERATIONS VEHICLE	168 SV-40400F SKYLAB F
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
101451	CONTI	NUED			· · · · · · · · · · · · · · · · · · ·	
	18 1	2	CLGK	CVIS HFLI Sro	FIRING AZIMUTH IS	-
					DEG! MIN' SEC;	
					NOTE	-
					IF A HOLD OCCURS AFTER THIS TIME, CLOK WILL ANNOUNCE REVISED AZIMUTH,	
10' 0"	_			,	· /	-
	181 Em Pa	1	CV7S		THERE WILL BE NO SMOKING IN PIRING ROOM 3 UNTIL AFTER T-O' ALL PERSONNEL REMAIN IN YOUR SEATS AND MAINTAIN OPERATIONAL SILENCE;	, ,
-	181	2	MSTC	CVTS	SC IS GO FOR LAUNCH,	
				•	SEND LOM TO ASTRO LAUNCH COMM. CIRCUIT AT T=41 OF;	
	181	3	CV7S	L, OM	GO YO ASTRO LAUNCH COMM. CIRCUIT AT Tody o":	
9158"					1	`
	501 ·	i .	CATC	CLIC	S-IVB TCH CHILLDOWN IS IN PROGRESS;	
6130#						-
	26í	1	CLTC	EVES	EDS HODE TO LAUNCH.	
	261	2	CLÝC	EUNP	INHIBIT SWITCH SELECTOR AND RESET COUNTER.	
	*					
					· · · · ·	

	COMM.		COMMAND	PECONICE		· · · ·
TIME	CH.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
61 01	- 181	1	CVTS	HPLT	VERIFY GO/NOGGO FOR START OF	
					AUTOHATIC LAUNCH SEQUENCE	
5130"					1	
	ī8 ī	1	CVÝS	PROG DJR	VERIFY GO FOR LAUNCH.	~
	261	2	CLÝC	CHCA	VERIFY INS AUTOVARM BUSSON!	
	26Ī	3	CLTC	C3NP	FUNCTION SELECTOR TO LAUNCH AND VERIFY ALL STAGES READY FOR POWER TRANSFER ON:	
/	ĩ81	4	CVTS	CPSS C73C SRO Lom DLO	VERIFY GO FOR LAUNCH.	•
51 0"						
	261	1	CLTC	\$19P	ARM TCS.	
	181	5	CV75	ESA9	RETRACT SAMP: REPORT KHEN	
			-		NOTE 	
					CSA9 REQUIRES EXCLUSIVE USE OF CAMERAS 26B AND 36B UNTIL SA-9 IS RETRACTED.	
-				,		
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	RIGINA	```			VEHICLE	SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMAND STA.	STA.	DESCRIPTION	REMARKS
51 011	CONTI	NUED				
ľ					COSOSSCOCAUTION SESSESSES	
	-		•		 S.IVB CHILLDOWN BUST BE * COMPLETE PRIOR TO THE * NEXT LAUNCH VEHICLE * SEQUENCE; * 	
-						•
4130"		-			· · · · · · · · · · · · · · · · · · ·	
	261	1	CLÝC	CUSN	LVDA/ESE TO LVDA,	
41 01	7 07		GVPO	B. 94		
	-181 Álc	1	CVTS	ELTC	CLEARED FOR LAUNCH'	
	ALU	2		CSTO Lom MSTC	PERFORM ASTRO LAUNCH CIRCUIT COMM Check with Sodr;	
	181 261	3	CVÝS		NOTE	
			-		COUNT TIME ANNOUNCEMENTS	
	-				63130" TO 00140" EVERY 10 SECONDS, -	
					-0140" TO 00115" EVERY 5 SECONDS.	
	•				. 0111" TO BUTOFF EVERY 1 SECOND;	
						-
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	r		1	1		

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411 7*5*0%	ORIGIN	22, 19 AL			LAUNCH OPERATIONS . VEHICLE	SKYLAB
TIME	COMM CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
	**			-		
3120					NOTE Doct	
			-		CUTOFF CAFTER AUTOMATIC	
					SEQUENCER STARY	
					PROM 7-31 7" 70 1-30"	
					LV PERSONNEL WILL REQUEST CUTOFF THROUGH THE LV TEST CONDUCTOR: IN AN EMERGENCY CONDITION; LV PERSONNEL WILL CALL DIRECTLY TO THE C3NP PANEL OPERATOR "C3NP GIVE CUTOFF" ON CH: 261:	
					ALL PERSONNEL UNDER THE DIRECTION OF THE SPACECRAFT TEST CONDUCTOR, THE TEST SUPPORT CONTROLLER, THE FLIGHT DIRECTOR GMIL: AND THE SRO WILL REQUEST CUTOFF THROUGH ONE OF THE ABOVE APPROPRIATE PERSONNEL WHO WILL RELAY THE REQUEST TO THE LAUNCH OPERATIONS MANAGER (LOM) ON CH; 181	
					THE LOM WILL DIRECT THE LAUNCH VEHICLE TEST CONDUCTOR TO IMPLEMENT THE CUTOFF WHO WILL RELAY THE REQUEST FOR "C3NP GIVE CUTOFF" OVER CH, 261.	-
					FROM TA30" TO TAB"	
					ALL PERSONNEL EXCEPT TROSE UNDER THE SPACEGRAFT TEST CONDUCTOR HILL REQUEST CUTOFF BY DIRECTLY CALLING "C3NP GIVE CUTOFF" ON CH, 261, SPACEGRAFT PER- SONNEL HILL REQUEST CUTOFF THROUGH THE SPACECRAFT TEST CONDUCTOR WHO WILL RELAY THE REQUEST FOR \$C3NP GIVE CUTB- OFF" ON CH, 261.	
					FROM T+5" TO T+8"	
					NO MANUAL CUTOFF MAY BE GIVEN UNLESS Automatic cutoff fails:	
					· · ·	
				•		
					-	

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TIME	сомм. Сн.	SEQUENCE	COMMAND STA	RESPONSE DESCRIPTION	REMARKS
31 6"		1	C3FR	VERIFY FIRING COMMAND IS ON (H)	
01231				DEE 2209;	\$
01 3	-	4	C3FR	READY FOR IGNITION IS ON (C) DEE O	£53.
01 1,00"	<u>561</u>	1	C3FR	IGNITION COMMAND (H);	
01 04	261	1	C3FR	ALL ENGINES RUNNING (C) DEE 2077 O	N.
01 0"	261	4	C3FR	COMMIT (H);	
	26İ	1	CLTC	LIFTOFF (PANEL LIGHT AND OTV); Emergency Range Cutoff Procedure	
				© GOODOOCOWARNING®®©©©©©© © IN THE EVENT THAT © LIFTOFF DOES NOT OCCUR; * © AUTOMATIC CUTOFF FAILS © AND MANUAL CUTOFF © COMMANDS FROM THE LCC	-
				* FAIL; THE PROCEDURE * * BELOW IS YO BE USED; * * * **	
				ORIGINAL PAGE IS OF POOR QUALITY	

SPACE VEHICLE COUNTDOWN - RESCUE VEHICLE HATE: AUGUST 22, 1973 DATE

PAGE PAGE 172 TEST NO 5V-40400R

ASC FORM 24 BIB (8EV 4/71)

AIF. A		22, 19		RESCU	E VEHICLE LAUNCH OPERATIONS	PAGE TEST NO VEHICLE	17 SV-40400 SKYLAB
TIME	COMM CH,	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION		REMARKS
01 01	CONTI	NUED				-	
:		1	CLYC		NOTE		
					ESTABLISH POINT TO POINT Contact With RSO,		-
	261	2	C3FR	ELTC	AUTOMATIC AND EMERGENCY CUTOFFS FAILED, REQUEST RANGE CUTOFFS;	HAVE	
	₽፻₫₽፻	3	CLTC	RSO	REQUEST RANGE SAFETY CUTOFF COM USING PREARRANGED CODE WORDS'	AND BY	
	26 <u>1</u>	4	C3FR	CLYC	CUPOFF RECEIVED AND ENGINES OUT		
	₽Ĩ₽Ĩ	5	CLÝC	RSO	REMOVE LV RANGE CUTOFF!		
	261	6	CLÝC	C3DP C4DP	S&A SAFE.		
	26Í	7	CLÝC	C3DP C4DP	STATUS BYSTEN SWITCH TO SAFE.		
(NOTE		
				l	RESET OF SOIB, SPIV AND ESE, AND IU AND ESE OCCURS AT THIS TIME,	-	
	4 • • •	- 					•
						,	
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				.			,

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K% 14 M/A 23 BIB (RFV 4/21)

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ision (DRIGIN					VEHICLE	SKYLAB
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	······	REMARKS
0 T 0 T	CONT	NUED				L.	
	261	8	CLTC	637C 6470 647C	SAFE YOUR STAGES AND GSE. Establish a Hold condition;		
					END OF EMERGENCY RANGE CUTOFF		
					PROCEDURE		
			-				
	!. 						
							•
	-						
					-		

KSF FORM 23 818 (k1V 4/71)

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EVISION	ORIGIN	22, 19 AL	/ 3		LAUNCH OPERATIONS VEHICLE	SV-4040 SKYLAB
TIME	сомм. сн.	SEQUENCE	COMMANE STA	RESPONSE STA.	DESCRIPTION	REMARKS
0118	311		、		· ·	
	181	1	LOM	፞ዘ₣⊾፻	CLEAR TOWER,	
	181	2	GMIL	LOM	ASTRO COMM UPLINK IS DISABLED,	
0155	;11					
	261	1	CLYC	667C 6370 647C		
				EUTC.	TAKE YOUR PERSONNEL TO STAGE TO CHANNELS FOR IMMEDIATE SECURING OPERATIONS AND REPORT WHEN COMPLETE;	
51 () 17				·	
	i11	1	CVÝS	¢STO	RETURN ELEVATOR CONTROL PANEL KEYS To ctsc:	
61 0	n				· · · ·	
	ī81	1	CLTC	CVTS	LV STARTING FINAL SECURING OPERATIONS,	
	181 Em PA	2	CVTS		POSY LAUNCH ACCEBS AND INSRECTION ALAN IS TO BE STARTED AT THIS TIME.	
	18i	3	CVTS	CPSS	LAUNDH VEHICLE IMPACT POINT HAS CLEARED LAND MASS;	
					INITIAL SAFETY INSPECTION TEAM MAY Proceed to 7000 foot beast danger Line.	
	ī81	4	CVTS	CLTO	VERIFY LH2 SYSTEM INERTING HAS Started,	
	181	5	CVTS	CPSS	LH2 SYSTEM INERTING HAS STARTED;	
	ī8ī	6	CTSC	CVIS	VIP PAGING SYSTEM TEST WILL BE PERFORMED AT TO101 ON.	
					0.0.1%-	
					ORIGINAL PAGE IS OF POOR QUALITY	

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	RIGIN				VEHICLE	SKYLAB
TIME	COMM CH.	SEQUENCE	COMMAND STA,	RESPONSE STA.	DESCRIPTION	REMARKS
			,		•	
10' 0"						
	181	1	CVTS	LOM	VERIFY READY FOR CAMERA OVERRIDE CONTROL SYSTEM TO BE SWITCHED TO MODE 1.	•
	181	2	сутѕ	стѕс	PLACE CAMERA OVERRIDE CONTROL SYSTEM IS IN MODE 1.	
,	181	3	стѕс	CVTS	CAMERA OVERRIDE CONTROL SYSTEM IS IN MODE 1.	
	181	4	CVTS	LOM	CAMERA OVERRIDE CONTROL SYSTEM IS IN MODE 1.	
	181	5	GMIL	сутѕ	GMIL HAS LOSS OF SIGNAL. REQUEST CSTO RELEASED VHF AND S-BAND REMOTING.	
	181	6	CVTS	сѕто	GMIL HAS LOSS OF SIGNAL. RELEASE VHF AND S-BAND REMOTING.	
ר זי ו י						
	181	1	GMIL	cvts	GMIL CARRIERS ARE DOWN. COMMAND SYSTEM IS SAFED. READY TO POWER DOWN THE ABORT ADVISORY SYSTEM.	
	181	2	CVTS	GMIL	SAFE THE GMIL COMMAND SYSTEM.	
					DISABLE AND POWER DOWN THE AIU AND VERIFY. CLEAR TO REARM THE COMMAND SYSTEM AS REQUIRED.	
		3		LOM	NOTE THAT THE GMIL ON INDICATOR IS OFF.	
	181	4	CVTS	LOM	ABORT REQUEST ENABLE SWITCH TO OFF AND VERIFY.	
		5	-	LOM	NOTE THAT THE FOLLOWING LIGHTS ON THE ABORT REQUEST PANEL ARE OFF:	
	•				REQUEST A ENABLED AND REQUEST B ENABLED.	
					· ·	

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LSC FORM 23 FIB (REV 4,71)

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REVISION O	RIGINA	ι _			- VEHICLE	SKYLA
TIME	COMM. CH.	SEQUENCE	COMMAND STA	RESPONSE STA.	DESCRIPTION	REMAR
+ 71 0"	ĊONŦĨ	NUED	•		,	-
	181	6	CVTS	витс	POWER DOWN AAS POWER BOSSES AND POWER Supplies, Turn off aas event Recorders,	
	18 1	7.	BMIC	EVTS	AAS POWER BUSSES AND POWER SUPPLIES ARE POWERED DOWN, AAS EVENT RECORDERS ARE OFF'	
		8		LOM	NOTE THAT THE FOLLOWING LIGHTS ON THE ABORT REQUEST PANEL ARE OFF	-
		· .			AAS POWER SUPPLY 1, 2, 3, AAS SUPPLY, AND ORDNANCE SAFE,	
•	181	9	CVTS	GMIL	ABORT ADVISORY SYSTEM IS POWERED DOWN,	
\$2Ĩ1 O"					· .	
	18i	1	CPSS	CVTS	INITIAL SAFETY INSPECTION HAS BEGUR'	
	181	2	ĊVÝS	€PSS	ESTABLISH THE CONTROL AREA AT THE BLAST DANGER LINE AND A BADGE EXCHANGE AT THE SECURITY CHECK POINT,	* .
\$361_0"					· · · · · · · · · · · · · · · · · · ·	
	ĩ81	1	CVTS	CPSS	LH2 SYSTEM HAS BEEN PURGED FOR 30 Minutes;	
					THE INITIAL SAFETY INSPECTION TEAM MAY PENETRATE THE 7000 FOOT SAFETY BARRIER, BEGIN SYSTEM SAFENG WHEN READY, (IN ACCORDANCE HITH SKYLAB POST LAUNCH ACCESS AND INSPECTION PLAN, LAUNCH COMPLEX & AND B),	
+ 1 HR 0' 0"				·.		
	ĩ 6 f.	1	CVTS	CTSC	SECURE CAMERA OVERRIDE CONTROL SYSTEM,	
		· ·			ORIGINAL PAGE IS OF POOR QUALITY	

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EVISION O	RIGINA			1	TEDICLE	SKYLAB
TIME	сомм. сн	SEQUENCE	COMMAND STA.	RESPONSE- STA	DESCRIPTION	REMARKS
1 HR 07 0"	CONTI	NUED	-			
	ī8ī	2	CTSC	CVTS	CAMERA OVERRIDE CONTROL SYSTEM SECURED!	
1 HR 157 O"	ĩði	i	CVIS	EYSC	CONFIGURE TELEPHONES IN ML ELEVATORS AND ML 320 FOOT LEVEL TO ADMIN MODE,	
2 HRS 0 + 0"	ī8ī	. 1	CPSS	Evis	INITIAL SAFETY INSPECTION LH2/GH2	·
ļ	101	1 1	or 35	CYID	INERTING AND SYSTEM SAFING COMPLETE	
-	ī8 <u>í</u>	2	CVTS	ĈPS§	ESTABLISH THE CONTROL AREA AT PERIMETER PENCE AND BADGE EXCHANGE AT SECURITY CHECK POINT.	
•					VERIFY THE CONTROLLED AREA MAY_BE Opened for limited access.	
					ALL NONDESSENTIAL PERSONNEL ARE TO Remain clear of the top of the Pedestal for Holddown Arm Securing	
	€81 EM PA	3	CVTS		SAFETY INSPECTION IS COMPLETE AND THE CONTROLLED AREA IS OPEN FOR LIMITED ACCESS	
					ALL NONZESSENTIAL PERSONNEL ARE TO Remain clear of the top of the Pedestal for Holddown Arm Securing:	
	181	4	CVTS	CLTC	SAFETY INSPECTION IS COMPLETE AND THE Control Area is open for limited Access;	
:					ALL NONGESSENTIAL PERSONNEL ARE TO REMAIN CLEAR OF THE TOP OF THE PEDESTAL FOR HOLDDOWN ARM SECURING!	
	18ï	5	CTSC	CVTS	6000 PSI GH2 TRANSFER LINE SECURED AND VENTED.	

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K*C FORM 23 818 (KFY 4 71)

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DATE A	EHICLE UGUST RIGINA	22, 19	DOWN - 73	RESCU		179 V-40400R Skylab r
TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA	DESCRIPTION	REMARKS
* 2 HRS 01 0"	CONTI	NUED				
	ī81	6	CVTS	eltc	6000 PSI GH2 TRANSFER LINE SECURED AND VENTED.	
	18i	• 9	CLŶC	ĉvŸS	REQUEST ORDNANCE PERSONNEL REMOVE HDA Ordnance per V-39008,	
	ī8i	8	CVTS	EPSS	HAVE ORDNANCE PERSONNEL REMOVE LV HDA ORDNANCE PER V339008;	H ·
+ 2 HRS 301 0"					·	
	181	1	CLŤĊ	€¥ĩS	THE TOP OF THE PEDESTAL HAS BEEN Secured and hay be opened for Normal Hork:	
	181	2	CVŶS	CPSS	THE TOP OF THE PEDESTAL HAS BEEN Secured:	
					VERIFY READY TO OPEN THE TOP OF THE PEDESTAL FOR NORMAL WORK,	-
	181 Em Pa	3	CVTS		THE TOP OF THE PEDESTAL HAS BEEN Secured and is open for Normal Hork;	
	181	4	CVTS	EYSC	THE PAD IS OPEN FOR NORMAL OPERATIONS.	
					END OF OPERATING SEQUENCES	,
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. KSC FORM 23 BIR (KEY 4/71)

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NASA KSC COML APR/21

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SPACE	VEHICLE COUNTDOWN	- RESCUE	VEHICLE		180
I	AUGUST 22, 1973	_	APOLLO/SATURN .	PAGE	SV-40400R
DATE	ORIGINAL			TEST NO.	SKYLAB R
REVISION				VEHICLE	

APPENDIX A

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PRE CRYDGENIC LOADING CHECKLISTS

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SPACE DATE: REVISION			CLE LO/SATURN		PA TEST I VEHIC		181 SV-40400R SKYLAB R
		NOTE 	-			•	
		THE CHECKLISTS ARE PERFORMED BY THE OPERATIONAL SUPER PRIGR TO OR AT THE LISTED.	ISOR	-	•••	-	
		FUNCTION			TIMF	•	
. 1.	5°4	CE VEHICLE TEST SUPERVISOR			r	•	
	A .	VERIFY SUPPORT CONTROLLER EVACUATION CHECKLIST IS COMPLETE:	15	⊺ ∞7	HOURS,	51 0",	
	a .	VERIFY RADIO COMMUNICATION SYSTEMS ARE OPERATIONAL.	N	. ĭ₽7	HOURS,	301 0",	
	5,	VERIFY SYSTEMS SAFETY SUPERVISORIS CHECKLIST IS COMPLETE (INCLUDES FIRE PROTECTION AND SECURITY).		T⊽7	HOURS,	10' 0"	
5,	3Y5	TEMS SAFETY SUPERVISOR	• •				
	Å.	VERIFY TO THE TEST SUPERVISOR THAT SYSTEM SAF FIRE PROTECTION, AND SECURITY CHECKLISTS ARE COMPLETE.	TETY,	- ໂຮ7 ,	HOURS,	10! 0".	
	8.	VERIFY OPERATION OF HAZARI WARNING SIGNAL AND PUBLIC ADDRESS SYSTEM.	0	Ĩ − 8	HOURS	01 0",	-
-	21	VERIFY SAFFTY EQUIRMENT IS Located in specified areas		Τuβ	HOURS,	0 0 0 1 ,	
	ה,	VERIFY RADIO HF 105 NET COMMUNICATION SYSTEM OPERATION WITH		108	HOURS,	01 0".	,
		KSC FIRE DEPARTMENT MEDICAL SUPPORT IMPACT CONVOYS ROADBLOCKS TEST SUPERVISOR	ORIGINA OF POOR	L PAGE R QUALITY	3		

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**C FORM 33-81 D (6/84)

E: ISION	AUGUS Orig	LE COUNTDOWN - RESCUE VEHICLE T 22, 1973 APOLLO/SATURN INAL		PAGE TEST NO. VERICLE	54-4041 547113
	Ę,	VERIFY POINT-TO-POINT TELEPHONE SYSTEM OPERATION WITH	Ť∺₿	HOURS, OI DH,	
		LO2 AND LH2 FACILITIES VAB ROOF FALLBACK AREA DISPENSARY IMPACT CONVOYS			-
	۴,	VERIFY THE FOLLOWING ELEMENTS ARE ON STATION, MANNED AND READY,	Τ∝β	HOURS, OF ST.	
		FIRE DEPARTMENT MEDICAL SUPPORT IMPACT CONVOYS LIFF SUPPORT		•	
	ŝ,	VERIFY FIRE PROTECTION OFFICE CHECKLIST IS COMPLETE:	Te 8	HOURS, 01 6".	
	- 4,	VERIFY SECUPITY EVACUATION CHECKLIST IS COMPLETE.	T = 7	HOURS, 381 0"	•
3,	F1R 	E PROTECTION OFFICER			
	Α.	VEPIFY THAT ALL LAUNCH PAD LIFE SUPPORT AND FIRE SUPPRESSION EQUIPMENT IS LOCATED AS SPECIFIED BY THE OFFICE CHECKLIST, VERIFY THAT ALL EQUIPMENT IS FUNCTIONAL:	T-1	DAY, O HOURS,	01 01,
	٦,	VERIFY THAT ALL PAD RESCUE Equipment is ready to support codt;		HOURS, OF ON,	
	3 .	VERIFY RADIO COMMUNICATION Systems operation with		HOURS, DI ON,	
		TEST SUPERVISOR SYSTEMS SAFETY SUPERVISOR KSC FIRE DEPARTMENT MEDICAL SUPPORT IMPACT CONVOY			
				`.	

	PAGE TEST NO. VEHICLE	183 SV-40400R SKYLAB R
D. VERIFY TO SYSTEMS SAFETY SUPERVISOR THAT FIRE PROTECTION OFFICE EVACUATION CHECKLIST IS COMPLETE.	Tes Hours, Cr or,	:
SUPPORT CONTROLLER		•
VERIFY CPERATION OF ML AND PAD ELEVATORS:	• T-8 HOURS, 01 0",	
R. VERIFY BLAST ROOM CHECKLISIS COMPLETE AND BLAST ROOM READY FOR PERSONNEL SUPPORT.	TBB HOURS, CI O",	
. VEPIFY SLIDEWIRE CAB-IS LUCATED AT THE TAKE OFF POINT AND IS READY FOR USE.	T≄A HOURS, di Q∥,	- •
D. VERIFY ALL REQUIRED EQUIPMENT IS Placed in Sa No. 9 Rescue Locker.	.T-8 HOURS, 01 0",	,
VERIFY THE FORWARD OBSERVER SITES ARE EQUIPPED PER THE REQUIREMENT DOCUMENT,	T⊽6 HOURS, O' D":	
SECURITY		
A. UNLOCK THE GATE IN THE PAD PERIMETER FENCE AT THE END OF ROAD HUM THAT SECURES THE DIRT ROAD LEADING TO THE PUMP STATION;	T∞8 HOURS; 0' 0",	
R. VERIFY TO SYSTEMS SAFETY SUPERVISOR THAT THE SECURITY EVACUATION CHECKLIST IS COMPLETE:	T#7 HOURS, 301 0"	
END OF APPENDIX A:		
ORIGINAL PAGE IS OF POOR QUALITY		
	 D. VERIFY TO SYSTEMS SAFETY SUPERVISOR THAT FIRE PROTECTIDE OFFICE EVACUATION CHECKLIST IS COMPLETE. SUPPORT CONTROLLER VERIFY CPERATION OF ML AND PAD FLEVATORS. VERIFY BLAST ROOM CHECKLISTS COMPLETE AND BLAST ROOM READY FOR PERSONNEL SUPPORT. VEPIFY SLIDEWIRE CAB-IS LUCATED AT THE TAKE OFF POINT AND IS READY FOR USF. VERIFY ALL REQUIRED FOUIPMENT IS PLACED IN SA NO. 9 RESCUE LOCKER. VERIFY THE FORWARD OBSERVER SITES ARE EQUIPPED PER THE REQUIREMENT DOCUMENT. SECURITY A. JNLOCK THE GATE IN THE PAD PERIMETER FENCE AT THE END OF ROAD UP THAT SECURES THE DIRT ROAD LEADING TO THE PUNP STATION. VERIFY TO SYSTEMS SAFETY SUPERVISOR THAT THE SECURITY EVACUATION CHECKLIST IS COMPLETE: END OF APPENDIX A. 	D. VERIFY TO SYSTEMS SAFETY Te0 HOURS, C' O". SUPERVISOR THAT FIRE PROTECTION OFFICE EVACUATION PROTECTION OFFICE EVACUATION CHEVALIST IS COMPLETE, SUPPORT CONTROLLER T-8 HOURS, C' O". A. VERIFY OPERATION OF ML AND T-8 HOURS, C' O". PAD ELEVATORS, Te8 HOURS, C' O". VERIFY BLAST ROOM CHECKLISTS Te8 HOURS, C' O". COMPLETE AND BLAST ROOM READY FOR PERSONNEL SUPPORT. C. VERIFY BLAST ROOM CHECKLISTS Te8 HOURS, C' O". PERSONNEL SUPPORT. Te8 HOURS, C' O". OWPLETE AND BLAST ROOM READY FOR PERSONNEL SUPPORT. C. VERIFY SLIDEWIRE CAB-IS LOCATED Te8 HOURS, C' O". READY FOR USE. Te8 HOURS, C' O". D. VERIFY ALL REQUIRED FOULPMENT IS Te8 HOURS, C' O". PLACED IN SA NO. 9 RESCUE LOCKER; Te6 HOURS, C' O". SITES ARE FOULPPED PER THE Te6 HOURS, C' O". REQUIREMENT DOCUMENT. SECURITY SECURITY Te8 HOURS, C' O". *. VERIFY THE CATE IN THE PAD Te8 HOURS, C' O". PERIMETER FENCE AT THE END OF Te8 HOURS, C' O". ROAD UFADING TO THE PUMP STATION; Te7 HOURS, 30' O". *. VERIFY TO CYSTEMS SAFETY

KSC FORM 23-81 D (6/64)

SPACE DATE: REVISION	VEHICLE COUNTDOWN - RESCUE VEHICLE August 22, 1973 Apollo/Saturn Original	PAGE TEST NO. VÉHICLE	184 SV-40400R Skylab R

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SPACE ATE: EVISION	VEHICLE COUNTDOWN - R August 22, 1973 Driginal	ESCUE VEHICLE APOLLO/SATURN	PAGE TEST NO. VEHICLE	185 SV-4r400R SKYLAB R
				······
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		APPENDIX R		
	CONTINGENCY CRE	W PAD ACCESS AND EVACUATI	ION PROCEDURES	
		•		
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	OF POOL	C PAGE IS		
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SPACE	VEHICLE COUNTDOWN	-	RESCUE VEHICLE
DATE	AUGUST 22, 1973		
PEVISION	ORIGINAL		LAUNCH OPERATIONS

PAGE TEST-NO

186 SV-40400R SKYLAB R VEHICLE

TIME	COMM. CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
					· · · · · · · · · · · · · · · · · · ·	
					NOTE	•
					••••••••	
					THE FOLLOWING PROCEDURE IS To be used after LV	
					CRYOGENIC LOADING TO ASSURE	
					A SAFE SPACE VEHICLE Configuration prior to	
					CONTINGENCY CREW ACCESS TO	
					THE PAD, ALSO INCLUDED IS The procedure for	
					INITIATING EVACUATION OF	· ·
					THE CONTINGENCY CREW IN THE Event of an emergency:	
					•	
					CVIS CONTINGENCY CREW ACCESS PROCEBURE	
	-				# \$ 4 9 2 5 2 5 5 1 2 7 5 7 2 7 5 7 8 5 8 5 8 5 8 5 4 4 4 9 5 6 9 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9	
	181	• š	CVTS	CLTC	A CANTINGCHOR CORU TO BEADY TO ENTED	
	101	1	0415	UL U	A CONTINGENCY CREW IS READY TO ENTER THE PAD AREA, VERIFY WAZARDOUS GAS	
					DETECTION SYSTEMS ARE OPERABLE AND INDICATE SAFE, VERIFY WHEN THE LAUNCH	
-	İ				VEHICLE IS IN CONFIGURATION FOR	
					CONTINGENCY CREW ENTRY TO THE PAD;	
-	1.07		EUDO			,
	18ĭ	2	CVIS	HSTC	A CONTINGENCY CREW IS READY TO ENTER THE PAD AREA, VERIFY WHEN THE LES	
					YOWER IS DISARMED; VERIFY WHEN THE	
•					SPACECRAFT IS CONFIGURED FOR CONTINGENCY CREW ENTRY TO THE PAD	
					AREA.	
	181	3	CVTS	CTSO	REACTIVATE OIS TO AND FROM PAD FOR	
					CONTINGENCY OPERATION;	
					NOTE	
					80000 1101 m	
				1	THE NEXT STEP IS NOT TO BE	
					PERFORMED UNTIL THE LES IS	
					DISARHED	
		•				
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n; /	AUGUS I DR I G I N/	22, 19 AL	73 '		E VEHICLE PAGE TEST NO. LAUNCH OPERATIONS VEHICLE	1 SV-4040 SKYLAB
time	COMM: CH.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
					· .	
	18î	4	CVÝS	CSA9	EXTEND ACCESS ARM TO COMMAND MODULE;	
~	ī81	5	CVŦS	HARD YOP	A CONTINGENCY CREW IS READY TO ENTER THE PAD AREA;	
	181 EM PA	6	CVTS		NO SHIYCHING OR TEST PROGRAH STARTS Permitted Until Further Notice:	
					NOIE	
					THE NEXT STEP IS TO BE Performed if The contingency crew is going above the zero level of the Launcher umbilical tower;	
	ī8i	7	CVTS	ESTO	LOWER ELEVATOR NO. 2 TO "A" LEVEL, Return Elevator No. 2 to Normal Operating mode, Return Key to CTSB;	-
÷					END OF GVTS CREW ACCESS PROCEDURE	•
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	COMM.		COMMAND	RESPONSE		
IME	CH.	SEQUENCE	STA.	STA.	DESCRIPTION	REMARKS
¢					CONTINGENCY CREW EVACUATION PROCEDURE	
					PERSON DETECTING AN EMERGENCY CONDITION Shall Notify all Personnel in the Immediate area:	
	ÎBÍ/ Black Phone				CALL CVTS ON DIS CHANNEL 181 (OR BLACK Phone #), state	
3	đi -		-		A, YOUR NAME B, LOCATION OF EMERGENCY C, NATURE OF EMERGENCY D, DESCRIPTION OF SITUATION E, ACTION ALREADY TAKEN	
•					e FR#3, 705753.	
				L.	NOTE	
		-			EVACUATION ROUTES MAY BE Changed at the discretion of the Test Supervisor or the system safety Supervisor;	
				CVTS	ACTIVATE EMERGENCY WARNING SYSTEM; Shut off for announcement;	
	181 Em Pa	2	CVÝS		ATTENTION ALL PERSONNEL' THIS IS THE Test Supervisor' (describe the Situation)' all personnel evacuate the Launch pad,	Ţ
					· · ·	
					ORIGINAL PAGE IS OF POOR QUALITY	
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\$7.44Q	сонм. сн.	SEQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS
					· ·	
·					NOŢĘ	
					IF THE FLIGHT CREW IS ON THE PAD AND EMERGENCY EGRESS OF THE FLIGHT CREW AND CLOSEOUT CREW IS REQUIRED, THE APOLLO/SKYLAB FLIGHT CREW EMERGENCY EGRESS PROCEDURES LAUNCH COMPLEX 39 (DOCUMENT V-46002) SHOULD BE FOLLOWED FROM THIS POINT.	
	ī8i	3	CVÌS	BCFW	INITIATE FIRE SUPPRESSION IN THE (NAME) AREA (IF REQUIRED);	
		4		€Vî\$	INITIATE PROCEDURES IN APPROPRIATE Portion of the test supervisor Emergency procedures (document sv:4610g);	
					END OF APPENDIX B	
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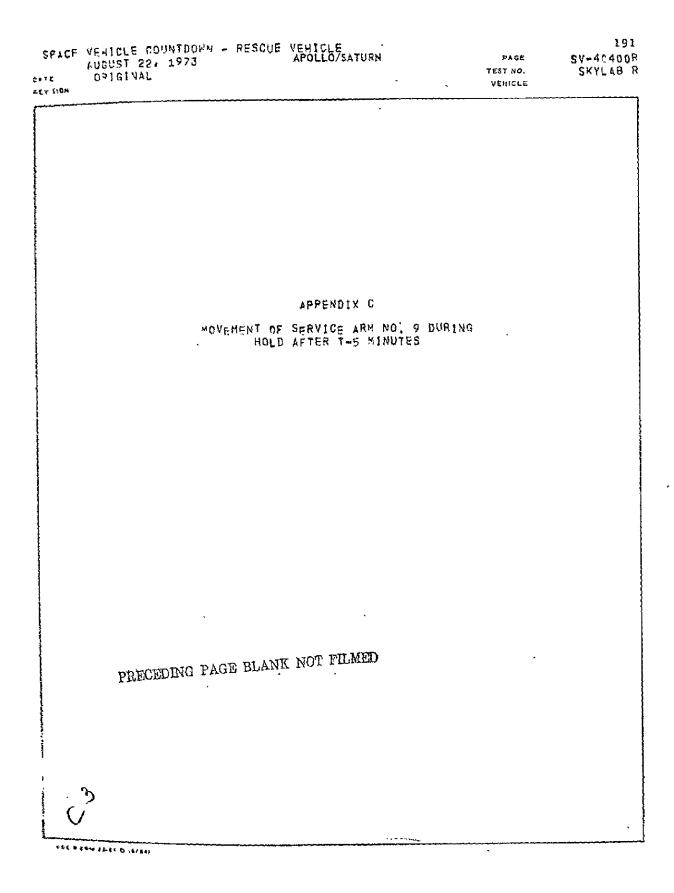
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SPACE	VEHICLE COUNTDOWN - AUGUST 22, 1973	RESCUE	VEHICLE APOLLO/SATURN	PAGE	190 SV-40400R
DATE: REVISION	ORIGINAL			TEST NO. Vehicle	SKYLAB R

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TIME	COMM. CH	SSQUENCE	COMMAND STA.	RESPONSE STA.	DESCRIPTION	REMARKS ,
					NOTE	3
	-		-		THE FOLLOWING SEQUENCES WILL BE USED FOR MOVING SERVICE ARM&9 FROM THE FULL RETRACT POSITION (AFTER T=5+ O" IN COUNTDOWN) TO EITHER PARK POSITION OR FULLY EXTENDED TO THE SPACECRAFT AND LATCHED;	•

	ī81	1	CV7S	MSTC	1. VERIFY READY FOR SA-9 HOVE TO	
				•	A, PARK POSITION, (OR) B, SPACECRAFT AND LATCHED;	
					2. VERIFY PYRO/LOGIC BUSSES SAFE;	
	ī8 <u>1</u>	2	CVTS	\$SA9	ON YOUR MARK.	
					A. EXTEND SABO TO SV AND RETRACT TO PARK POSITION PER VOJ6085 AND VERIFY, (OR)	
•	•				B. EXTEND SARD TO SV AND VERIFY Latched Per V936085.	-
	181	3	CVTS	MSTC	1. SA=9 19 AT	
					A: PARK POSITION, (OR) B: Spacecraft and Latched;	
					2. CLEAR TO ARM PYRO/LOGIC BUSSES AND Verify - (for move to park Position Only).	
•					END OF APPENDIX C	
					-	

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SPACE Inte IEVISION	VEHICLE COUNTDOWN - RESCUE August 22, 1973 Driginal	VEHICL APOLLO	E /SATURN		PAGE TEST NO. VEHICLE	19 SV-4040(SKYLAB
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	TYPICAL FLIGHT EV	ENT SEQ	UENCE FOR	44,90	DEGREES	
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0310	SINAL	973 APOLLO/SATURN	PAGE TEST NO. VEHICLE	SV+40400 SKYLAB
;		TYPICAL CRITICAL EVENTS SEQUENCE (For 46.90 degrees flight azimuth)	•	
•		SKYLAB MISSION		
TIME F FIRST (HIN S	MOTION	EVENT	Ĩ	IME BASE
67 00 60 00 00 10 60 50	2	FIPST MOTION LIFTOFF INITIATE PITCH AND ROLL MANEUVERS MACH ONE		îB≁1
6-1 58 01 13 02 10 02 11	6 5 1	MAX O TILT ARREST ENARLE S-IB PROPELLANT LEVEL SENSORS	••••••	
		LEVEL SENSOR ACTIVATE INBOARD ENGINE CUTOFF (IECO)	· ·	TB-2
C2 20	9	OUTBOARD ENGINE CUTOFF (OECO) S-18/S-IVB SEPARATION SIGNAL	0 - × 0 = 4 2 11 =	TB-3
62 22 52 23 67 25 52 23 52 23 52 23	0 3 7 9	S-IB/S-IVB RHYSICAL SEPARATION S-IVB ENGINE START COMMAND ULLAGE ROCKET BURNOUT ULLAGE ROCKET MOTORS JETTISON		
02 45 02 50 117 41	6 4 9	LET JETTISON (CREW ACTION) ACTIVE GUIDANCE INITIATION GUIDANCE CUTOFF SIGNAL (GCS)	, 	
c9 42 n9 51 10 n2	3	 S-IVB ATTITUDE HOLD ORBIT INSERTION PITCH MANEDVER TO LOCAL HORIZONTAL 	******	TB-4
14 42		NOMINAL COM SEPARATION		
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1 3 25 1	DY IN-MSD-12 IN-OIS-1 IN-OMO IS		Ross Stevens Parrish Coonce Parker	4 5 3 2 1	KM-MGR WSK AFETR, DONO AFETR, DOOP AFETR, DOOT	Williams Morse
1 1 1 1 1	IS-DOC-2 IS-DOC-2A IS-MED-A IS-PEM	•	Fant Lovan Christensen Koenig Daley	2 2 1 11 1	AFETR, PAPO, MU5420 AFETR, PAPP, MU595 JSC/DD JSC/FC-7 MSFC/MO-E	Walker Armstrong Glines Kimery
1 1 1 1 1	IS-PEM-B IS-PEM-1 IS-PEM-2 IS-PEM-22 IS-PEM-4		Jansen Gray Cullen Werden Jamieson	15 1 1 1 2	MSFC/MO-OL MSFC/SAT-A MSFC/SAT-A OMSF/MAO BEN-2100, LCC 1R18	Ladner Moody Repository Holcomb Ames
3 1 1 18 1	IS-SEC IS-TSM LA-PLN LCC 4R8 LS-OPN		Horner Brown Moser Schick Gay	3 3 1 1 2	BEN-2320, VAB 1B6 BEN-2350, Hq 1503 BEN-4120, Hq 2549 BEN-5460, Bldg K7-569 BOFL-73, O&C 2116	Pope Compton Reed Christiansen Dalla Santa
1 1 1 1	LS-OPN-1 LS-OPN-2 LS-OPN-3 LS-QAL-3 LV-ENG-A		Chauvin Carothers Proffitt Welly Bryan	1 5 2 18 2	BOFL-73, O&C 2116 BOFM-36, VAB 2L4 BOFM-39, VAB 2L10 BOFO-31, O&C 3121 BOFS-00, K6-1045	Weinberg Melton Scholz . Kramp Ballard
1 2 1 2 1	LV-GDC LV-INS-1 LV-OMO-1 LV-OMO-3 LV-PLN		Lealman Huffman Slogar Youmans Nagle	2 3 1 1 1	BOFT-00, VAB 7E14 CHRY 16, VAB 15B7 FEC-200, MC-336, 123 FEC-300, CIF 310 FEC-810, M6-339	Maxwell O'Dell Stein Dell Boessow
25 1 1 2 1	PA-PIB SF SF SF-OPN SO		Harris Atkins Overbey Woods Gorman	1 1 3 1	FEC-820, M6-339, 202 FEC-870, M6-138, 117 GE-AGS, O&C 3018 IBM-G18, VAB 2N5 MDAC, VAB 3K11-B	Tveter Deeter Fowler Witt Bennett
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SO-ENG SO-OPN SO-OPN-1 TS TS-MET		Smith Moses Pyles Minderman Nicholson	1 1 2 1 1	NR, 2K-20, O&C 3079 NR, 2K-49, O&C 3088 NWSI-D PANAM-9, OMENS TGS, VAB 3A7	Nurnberg Cloyd Library Shult Bamforth
				40* <u>283</u>	la-pln-1 Total	Griffin

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