

9T02B

BUFFER - TAPE TEST

A. PURPOSE OF TEST

1. To test data transmission from main frame to buffer and tape
2. Method of Test
 - a. The first section tests buffer and tape synchronizer instruction and transmission of information for channels A, C or E. Tape unit one is used in each case except when the diagnostic is on Channel A, T. U. 1. Tape unit two is used for reading and writing when the diagnostic is read from tape.
 - b. The second section tests buffer and tape synchronizer instructions and transmission of information for channels B, D, or F. Tape unit one is used in each case.
 - c. The third section tests the ability of buffer to transmit information on both channels A and B, C and D, or E and F. Tape unit one is used in each case, except for A when program is read from tape.
 - d. The standard diagnostic print routine will be used throughout the program as a means of testing sense switches, and also a means of typing out any machine errors. See listing of 9DEPR. The linkage to the print routine will be through the use of a TSX of index register C.

B. AREA OF MACHINE REQUIRED

1. MF, CF, CR, PR, Tape Unit 1, DS
2. Storage Locations
 - a. 9T02B 00000 to 05514
9IOMA 05500 to 06476
9DEPRA 06500 to 07663

C. PROGRAM CONTROL

1. Deck	000	9LD01 Loader
	001 - 065	9T02B Diagnostic
	066 - 089	9IOMA Modification Routine
	090 - 118	9DEPRA Error Routine
	119	Transfer Card - TRA 0030
	120 - 121	Blank Cards

2. Sense Switch Control

Sense switches 1, 3, 3, and 4 are used by 9DEPR. See writeup for 9DEPR for detailed description of their use which is briefly as follows:

- a. Switch 1 UP - Test sense switch 4
Switch 1 DOWN - Repeat Test Loop
- b. Switch 2 UP - Indicate error - Test SSW3 to Print or halt
Switch 2 DOWN - Bypass error indication - test SSW1
- c. Switch 3 UP - Printout if SSW 2 up then test SSW1
Switch 3 DOWN - Stop on error. If SSW2 is up, then test SSW1
- d. Switch 4 UP - Proceed to next test routine
Switch 4 DOWN - Repeat section N times, or if error occurs to next section.
- e. Switch 5 UP - Proceed to next test routine
Switch 5 DOWN - Repeat same sequence of units
- f. Switch 6 UP - End test - call in next program
Switch 6 DOWN - Repeat entire program

D. NORMAL STOPS

Stops at beginning of program to enter control words on the keys for channels and units used in modification routine 9IOM. One, two or three stops will occur corresponding to the number of DS to be tested as specified by the tag bits of the first control word.

- A tag of 1 specifies CHN A and/or B
- A tag of 2 specifies CHN C and/or D
- A tag of 4 specifies CHN E and/or F

If more than one DS is to be tested, then the first control word should contain a multiple tag.

- 05517 Enter control word for first DS on keys tag for all DS to be tested Press Start
- 05533 Enter control word for CHN C and/or D Press Start
- 05540 Enter control word for CHN E and/or F Press Start
- 05525 Control word failed to contain a tag for any DS Re-enter first control word with tag Press Start

See Control word format

E. ERROR STOPS

- 9DEPR Error Indication Stops with SSW3 Down
- 06517 Index Register C contains the twos complement of the error exit address. Read lights that are out and add 1 and consult that address in program listing for error analysis.
- 06545 Same as above
Push start to continue program

F. PRINT OUTS

1. Normal Print Outs

"NOW PERFORMING DIAGNOSTIC TEST 9T02"
"PASS COMPLETE CHANNELS A AND B"
OR "PASS COMPLETE CHANNEL A" PRINTED IF CHANNEL B IS
NOT TESTED OR "PASSS COMPLETE CHANNEL B" PRINTED IF
CHANNEL A IS NOT TESTED

9T02 PASS COMPLETE - ALL UNITS CALLED"

Pass complete is similarly printed out for channels C, D, E, and F after they have been tested.

2. Error Print Outs

See Write up for 9DEPR for example and description of print out

G. COMMENTS

If both channels are to be tested individually, the program will automatically test multichannel operation.

Tape unit one on each channel is tested. If the diagnostic is read from tape unit one, channel A, then tape unit two will be tested on Channel A.

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00030 ORG 24

00030 0074 00 4 02333 TSX PRID,4 GO TO PRINT TEST ROUTINE

00031 0500 00 0 02771 INIT CLA WTBA1 INITIALIZE

00032 0402 00 0 00176 SUB PRSEL CHANGE TO CH A

00033 0100 00 0 00037 TZE IAL

00034 0074 00 4 05512 TSX CTX,4

00035 0006 34 0 00162 HTR B1-4,0,B32A+6

00036 0020 00 0 00031 TRA INIT

00037 0500 00 0 02757 IAL CLA ETTB

00040 0402 00 0 00673 SUB E3

00041 0100 00 0 00045 TZE IZE

00042 0074 00 4 05512 TSX CTX,4

00043 0013 31 0 00661 HTR E1-4,0,E32A+6

00044 0020 00 0 00037 TRA IAL

00045 0500 00 0 02760 IZE CLA ETTA

00046 0402 00 0 01361 SUB F1+2 CHANGE TO CH A

00047 0100 00 0 00053 TZE AM

00050 0074 00 4 05512 TSX CTX,4

00051 0014 35 0 01356 HTR TESAB,0,F11

00052 0020 00 0 00045 TRA IZE

00053 0500 00 0 01445 AM CLA SEP2

00054 0402 00 0 02756 SUB WTBB1 CHANGE TO CH B

00055 0100 00 0 00061 TZE ENTER

00056 0074 00 4 05512 TSX CTX,4

00057 0016 55 0 01440 HTR TESBA,0,F12+2

00060 0020 00 0 00053 TRA AM

00061 0074 00 4 05514 ENTER TSX IOC,4 ENTER CONTROL WORDS

00062 0500 00 0 02765 CLA POST POST RESTART

00063 0601 00 0 00000 STO 0

00064 0500 00 0 00166 CLA B1

00065 0400 00 0 02764 ADD CONST

00066 0601 00 0 02767 STO FIX1

00067 0500 00 0 05500 MOD1 CLA CTRL1 SAVE ORIGINAL

00070 0601 00 0 02775 STO SAVE1 CONTROL WORDS

00071 0500 00 0 05501 CLA CTRL2

00072 0601 00 0 02776 STO SAVE2

00073 0500 00 0 05502 CLA CTRL3

00074 0601 00 0 02777 STO SAVE3

00075 0500 00 0 02763 CLA ANB INSERT SYNTHETIC

00076 0601 00 0 05500 STO CTRL1 CONTROL WORDS

00077 0500 00 0 02762 CLA CND SO THAT PROG

00100 0601 00 0 05501 STO CTRL2 CAN INTERROGATE

00101 0500 00 0 02761 CLA ENF ALL CHANNELS

00102 0601 00 0 05502 STO CTRL3

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00103	0500	00	0	02775		CLA SAVE1	IS DIAGNOSTIC
00104	0120	00	0	00106		TPL TAPE	ON TAPE
00105	0020	00	0	00122		TRA STA	NO
00106	0500	00	0	02755	TAPE	CLA MIANB	YES
00107	0601	00	0	05500		STO CTRL1	TEST TU2
00110	0500	00	0	02773		CLA RTBA	READ NEXT
00111	0601	00	0	01721		STO PROG	DIAGNOSTIC FROM TAPE
00112	0500	00	0	02770		CLA WTBA2	IS TU2 SET UP
00113	0402	00	0	00176		SUB PRSEL	
00114	0100	00	0	00122		TZE STA	YES
00115	0074	00	4	05512	IOM	TSX CTX, 4	NO
00116	0006	34	0	00162		HTR B1-4, 0, B32A+6	
00117	0074	00	4	05512		TSX CTX, 4	
00120	0014	35	0	01356		HTR TESAB, 0, F11	
00121	0020	00	0	00106		TRA TAPE	

* TEST TAPE CHANNEL A

* TEST CHANNEL A - UNIT ONE

00122	0500	00	0	00166	STA	CLA B1	WHICH CHAN IS
00123	0340	00	0	02767		CAS FIX1	BEING TESTED SEC 1
00124	0020	00	0	00151		TRA C33	CH E
00125	0020	00	0	00140		TRA C22	CH C
00126	0020	00	0	00127		TRA C11	CH A
00127	0500	00	0	02775	C11	CLA SAVE1	
00130	0771	00	0	00003		ARS 3	
00131	0760	00	0	00001		LBT	
00132	0020	00	0	00134		TRA SECB	NO CH A TEST
00133	0020	00	0	00163		TRA B1-3	TEST CH A
00134	0771	00	0	00006	SECB	ARS 6	
00135	0760	00	0	00001		LBT	
00136	0020	00	0	01671		TRA MOD	NO CH A OR B TEST
00137	0020	00	0	00662		TRA E1-3	TEST CH B
00140	0500	00	0	02776	C22	CLA SAVE2	
00141	0771	00	0	00003		ARS 3	
00142	0760	00	0	00001		LBT	
00143	0020	00	0	00145		TRA SECD	NO CH C TEST
00144	0020	00	0	00163		TRA B1-3	TEST CH C
00145	0771	00	0	00006	SECD	ARS 6	
00146	0760	00	0	00001		LBT	
00147	0020	00	0	01671		TRA MOD	NO CH C OR D TEST
00150	0020	00	0	00662		TRA E1-3	TEST CH D
00151	0500	00	0	02777	C33	CLA SAVE3	
00152	0771	00	0	00003		ARS 3	
00153	0760	00	0	00001		LBT	
00154	0020	00	0	00156		TRA SECF	NO CH E TEST
00155	0020	00	0	00163		TRA B1-3	TEST CH E
00156	0771	00	0	00006	SECF	ARS 6	
00157	0760	00	0	00001		LBT	
00160	0020	00	0	01704		TRA F19	NO CH E OR F TEST
00161	0020	00	0	00662		TRA E1-3	TEST CH F

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00162	632526216060		BCD 1TEFA	TEST TRANSFER ON DSU A END OF FILE
00163	0020 00 0 00165		TRA *+2	
00164	0766 00 0 01221		WTBA 1	DUMMY SELECT
00165	0030 00 0 00166		TEFA *+1	
00166	0030 00 0 00170	B1	TEFA *+2	EOF INDICATOR SHOULD BE OFF
00167	0020 00 0 00174		TRA *+5	OK
00170	0074 00 4 06503		TSX ERROR-1,4	
00171	-3 00000 4 00166		TXL B1,4,0	
00172	0020 00 0 00174		TRA B3	CONTINUE
00173	666322216060		BCD 1WTBA	TEST WRITE TAPE BINARY
00174	-0760 00 0 01000	B3	ETTA	
00175	0772 00 0 01201		REWA 1	PREPARE TO WRITE ONE WORD
00176	0766 00 0 01221	PRSEL	WTBA 1	
00177	0540 00 0 02100		RCHA K1	RESET AND LOAD CHAN A
00200	-0060 00 0 00202		TCNA *+2	DSU A NOT IN OPERATION
00201	0020 00 0 00200		TRA *-1	
00202	0600 00 0 02317		STZ K25	SET STORAGE TO ZEROS
00203	0640 00 0 02317		SCHA K25	STORE CHANNEL A
00204	0074 00 4 06560		TSX RDNCK,4	CHECK TAPE CK
00205	0020 00 0 00174		TRA B3	
00206	0020 00 0 00210		TRA B4	CONTINUE
00207	632346216060		BCD 1TCOA	TEST TCOA-TRANSFER ON DSU A IN OPERATION
00210	0060 00 0 00212	B4	TCOA *+2	
00211	0020 00 0 00216		TRA B5	OK
00212	0074 00 4 06503		TSX ERROR-1,4	
00213	-3 00000 0 00210		TXL B4	REPEAT
00214	0020 00 0 00216		TRA *+2	
00215	622330216060		BCD 1SCHA	TEST SCHA-STO. CHAN. A
00216	0500 00 0 02313	B5	CLA K23	LOC. REG,ADDR. REG.
00217	0560 00 0 02317		LDQ K25	
00220	0340 00 0 02317		CAS K25	CHANNEL A CONTENTS
00221	0020 00 0 00223		TRA *+2	ERROR
00222	0020 00 0 00227		TRA B6	OK
				IF INCORRECT INFORMATION IS IN CHANNEL A THE ERROR OCCURRED AT B3-TEST WRS
00223	0074 00 4 06503		TSX ERROR-1,4	
00224	0761 00 0 00216		NOP B5	
00225	0020 00 0 00227		TRA B6	CONTINUE
00226	632345216060		BCD 1TCNA	TEST TR ON CHAN NOT IN OPN
00227	-0060 00 0 00232	B6	TCNA *+3	

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00230	0074	00	4	06503		TSX ERROR-1,4	
00231	-3	00000	4	00227		TXL B6,4,0	DO NOT REPEAT
00232	0074	00	4	06511		TSX OK,4	
00233	0020	00	0	00174		TRA B3	REPEAT
00234	516322216060					BCD 1RTBA	TEST READ TAPE BINARY CHANNEL A
00235	0534	00	3	02326	B7	LXA K6+2,3	L+1
00236	0500	00	0	02332		CLA K6+6	L+2
00237	0601	00	0	06556		STO WDNO	SET WORD NO CONSTANT
00240	0601	00	0	06557		STO RECNO	SET REC NO CONSTANT
00241	0764	00	0	01201		BSRA 1	BACKSPACE TAPE
00242	0600	00	0	02220		STZ K21+1	
00243	0762	00	0	01221		RTBA 1	READ RECORD
00244	0540	00	0	02103		RCHA K1A1	
00245	0060	00	0	00245		TCOA *	
00246	0640	00	0	02317		SCHA K25	SAVE CONTENTS OF CHANNEL
00247	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
00250	0020	00	0	00235		TRA B7	
00251	0500	00	0	02175	B8	CLA K20	WORD WRITTEN
00252	0560	00	0	02217		LDQ K21	WORD READ
00253	0340	00	0	02217		CAS K21	WORD READ
00254	0020	00	0	00256		TRA *+2	ERROR
00255	0020	00	0	00260		TRA *+3	OK
00256	0074	00	4	06502		TSX ERROR-2,4	
00257	0020	00	0	00235		TRA B7	
00260	2	00001	2	00261		TIX *+1,2,1	DECREMENT REC. NO.
00261	-0520	00	0	02220	B8A	NZT K21+1	
00262	0020	00	0	00267		TRA *+5	OK
00263	0074	00	4	06503		TSX ERROR-1,4	
00264	0020	00	0	00174		TRA B3	WROTE MORE THAN ONE WORD
00265	0020	00	0	00267		TRA *+2	CONTINUE
00266	622330216060					BCD 1SCHA	TEST SCHA-STO. CHAN. A
00267	0500	00	0	02316	B9	CLA K23A	CORRECT CONTS. OF CHANNEL A
00270	0560	00	0	02317		LDQ K25	RESULTS SCHA OPERATION
00271	0340	00	0	02317		CAS K25	
00272	0020	00	0	00274		TRA *+2	ERROR
00273	0020	00	0	00276		TRA *+3	OK
00274	0074	00	4	06503		TSX ERROR-1,4	
00275	0761	00	0	00267		NOP B9	
00276	0074	00	4	06511		TSX OK,4	
00277	0020	00	0	00235		TRA B7	REPEAT
00300	666322216060					BCD 1WTBA	TEST WRITING 2-1 WORD RECS
00301	-0760	00	0	01000	B10	ETTA	
00302	0772	00	0	01201		REWA 1	
00303	0766	00	0	01221		WTBA 1	
00304	0540	00	0	02106		RCHA K1A2	TGR S HAS A BIT

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00305	0770	00	0	01221		WEFA 17	
00306	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
00307	0020	00	0	00301		TRA B10	
00310	0020	00	0	00312		TRA *+2	
00311	516322216060					BCD 1RTBA	TEST READING 2-1 WORD RECS
00312	0764	00	0	01201	B11	BSRA 1	BACKSPACE
00313	0764	00	0	01201		BSRA 1	OVER EOF + TWO RECS
00314	0764	00	0	01201		BSRA 1	
00315	0534	00	3	02332		LXA K6+6,3	L+2
00316	0500	00	0	02331		CLA K6+5	L+3
00317	0601	00	0	06556		STO WDNO	
00320	0601	00	0	06557		STO RECNO	RESET REC NUMBER
00321	0600	00	0	02220		STZ K21+1	
00322	0600	00	0	02226		STZ K21A+1	
00323	0762	00	0	01221		RTBA 1	
00324	0540	00	0	02125		RCHA K1A9	READ TWO 1-WORD REC + EOF S+1 TGRS ON
00325	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
00326	0020	00	0	00312		TRA B11	
00327	0500	00	0	02177	B12	CLA K20A	WORD WRITTEN
00330	0560	00	0	02217		LDQ K21	WORD READ
00331	0340	00	0	02217		CAS K21	WORD READ
00332	0020	00	0	00334		TRA *+2	ERROR
00333	0020	00	0	00336		TRA *+3	OK CHECK NEXT RECORD
00334	0074	00	4	06502		TSX ERROR-2,4	
00335	0761	00	0	00312		NOP B11	DO NOT REPEAT
00336	2 00001	1	00337			TIX *+1,1,1	DECREMENT WORD NO
00337	2 00001	2	00340			TIX *+1,2,1	DECREMENT REC. NO.
00340	0500	00	0	02201	B13	CLA K20A1	WORD WRITTEN
00341	0560	00	0	02225		LDQ K21A	WORD READ
00342	0340	00	0	02225		CAS K21A	WORD READ
00343	0020	00	0	00345		TRA *+2	ERROR
00344	0020	00	0	00351		TRA *+5	OK
00345	0074	00	4	06502		TSX ERROR-2,4	
00346	0020	00	0	00312		TRA B11	
00347	0020	00	0	00351		TRA *+2	CONTINUE
00350	632526216060					BCD 1TEFA	
00351	0030	00	0	00354		TEFA *+3	IS IND ON-YES/OK
00352	0074	00	4	06503		TSX ERROR-1,4	NO-ERROR
00353	-3 00000	0	00351			TXL *-2	REPEAT
00354	0030	00	0	00356		TEFA *+2	IS IND ON-YES-ERROR
00355	0020	00	0	00360		TRA *+3	NO-OK
00356	0074	00	4	06503		TSX ERROR-1,4	
00357	-3 00000	4	00351			TXL *-6,4,0	CONTINUE
00360	0022	00	0	00361		TRCA *+1	TURN OFF RND IND
00361	0500	00	0	02220	B13A	CLA K21+1	CHECK IF THESE TWO
00362	0400	00	0	02226		ADD K21A+1	POSITIONS CONTAIN ZEROS
00363	0100	00	0	00365		TZE *+2	OK
00364	0074	00	4	06504		TSX ERROR,4	

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00365	0074	00	4	06511		TSX OK,4	
00366	0020	00	0	00301		TRA B10	ERROR IN WRITING TWO ONE WORD RECORDS REPEAT COMPLETE TEST
00367	314663606060					BCD 1IOT	TEST IOT INSTRUCTION
00370	0544	00	0	02100	B14	LCHA K1	TURN ON I/O CHECK IND
00371	0760	00	0	00005		IOT	I/O CHECK TEST
00372	0020	00	0	00375		TRA *+3	OK
00373	0074	00	4	06503		TSX ERROR-1,4	
00374	-3	00000	0	00370		TXL B14	REPEAT
00375	0760	00	0	00005	B15	IOT	I/O CHECK TEST
00376	0020	00	0	00400		TRA *+2	ERROR
00377	0020	00	0	00402		TRA *+3	OK
00400	0074	00	4	06503		TSX ERROR-1,4	
00401	-3	00000	0	00370		TXL B14	REPEAT
00402	0074	00	4	06511		TSX OK,4	
00403	0020	00	0	00370		TRA B14	REPEAT
00404	666322216060					BCD 1WTBA	TEST OPERN OF TGRS 1 AND 2 WHEN WRITING THE FOURTH RECORD
00405	-0760	00	0	01000	B16	ETTA	END OF TAPE TEST
00406	0772	00	0	01201		REWA 1	
00407	0766	00	0	01221		WTBA 1	
00410	0540	00	0	02115		RCHA K1A6	
00411	0600	00	0	02317		STZ K25	STORE ZEROS IN K25
00412	0640	00	0	02317		SCHA K25	CHECK STATUS OF TGRS
00413	0544	00	0	02120		LCHA K1A7	
00414	0020	00	0	00416		TRA *+2	CONTINUE
00415	314663606060					BCD 1IOT	TEST I/O TGR + IND
00416	0760	00	0	00005		IOT	
00417	0020	00	0	00421		TRA *+2	ERROR-CHANNEL A WAS NOT SELECTED
00420	0020	00	0	00423		TRA *+3	
00421	0074	00	4	06503	B16A	TSX ERROR-1,4	
00422	-3	00000	0	00416		TXL *-4	REPEAT
00423	0020	00	0	00425		TRA B16B	CONTINUE
00424	622330216060					BCD 1SCHA	TEST TGRS.-SCHA INSTR.
00425	-0500	00	0	02317	B16B	CAL K25	
00426	-0760	00	0	00001		PBT	WAS S TGR ON
00427	0020	00	0	00431		TRA *+2	ERROR
00430	0020	00	0	00433		TRA B17	
00431	0074	00	4	06503		TSX ERROR-1,4	
00432	0761	00	0	00425		NOP B16B	
00433	0767	00	0	00001	B17	ALS 1	
00434	-0760	00	0	00001		PBT	WAS TGR 1 ON

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00435	0020	00	0	00440		TRA	++3	OK
00436	0074	00	4	06503		TSX	ERROR-1,4	
00437	0761	00	0	00425		NOP	B16B	
00440	0767	00	0	00001	B18	ALS	1	
00441	-0760	00	0	00001		PBT		WAS TGR 2 ON
00442	0020	00	0	00444		TRA	++2	ERROR
00443	0020	00	0	00446		TRA	++3	OK
00444	0074	00	4	06503		TSX	ERROR-1,4	
00445	0761	00	0	00425		NOP	B16B	
00446	0074	00	4	06560	B19	TSX	RDNCK,4	CHECK TAPE RDN IND
00447	0020	00	0	00405		TRA	B16	
00450	0074	00	4	06511		TSX	OK,4	
00451	0020	00	0	00405		TRA	B16	REPEAT
00452	516322216001					BCD	1RTBA 1	TEST IF 4TH RECORD WAS WRITTEN CORRECTLY
00453	0764	00	0	01201	B20	BSRA	1	BACKSPACE ONE RECORD
00454	0534	00	3	02332		LXA	K6+6,3	L+2
00455	0762	00	0	01221		RTBA	1	READ TAPE IN BINARY
00456	0600	00	0	02220		STZ	K21+1	
00457	0600	00	0	02226		STZ	K21A+1	
00460	0540	00	0	02127		RCHA	K2	TGRS S AND 2 ARE ON
00461	0544	00	0	02123		LCHA	K1A8	S AND 1 ARE OFF, 2-ON
00462	0074	00	4	06560		TSX	RDNCK,4	CHECK TAPE RDN IND
00463	0020	00	0	00453		TRA	B20	
00464	0500	00	0	02177	B21	CLA	K20A	WORD WRITTEN
00465	0560	00	0	02217		LDQ	K21	WORD READ
00466	0340	00	0	02217		CAS	K21	WORD READ
00467	0020	00	0	00471		TRA	++2	ERROR
00470	0020	00	0	00473		TRA	++3	OK
00471	0074	00	4	06502		TSX	ERROR-2,4	
00472	0761	00	0	00453		NOP	B20	DO NOT REPEAT
00473	2	00001	1	00474		TIX	++1,1,1	DECREMENT WORD NO
00474	2	00001	2	00475		TIX	++1,2,1	DECREMENT REC. NO.
00475	0500	00	0	02205	B22	CLA	K20A3	WORD WRITTEN
00476	0560	00	0	02225		LDQ	K21A	WORD READ
00477	0340	00	0	02225		CAS	K21A	WORD READ
00500	0020	00	0	00502		TRA	++2	ERROR
00501	0020	00	0	00504		TRA	++3	OK
00502	0074	00	4	06502		TSX	ERROR-2,4	
00503	0020	00	0	00453		TRA	B20	
00504	0500	00	0	02220	B22A	CLA	K21+1	
00505	0400	00	0	02226		ADD	K21A+1	
00506	0100	00	0	00510		TZE	++2	OK
00507	0074	00	4	06504		TSX	ERROR,4	
00510	0074	00	4	06511		TSX	OK,4	
00511	0020	00	0	00453		TRA	B20	TRY AGAIN
00512	666322216001					BCD	1WTBA 1	TEST WRITING WITH TGR 1 ON

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00513	-0760	00	0	01000	B23	ETTA	
00514	0772	00	0	01201		REWA 1	
00515	0766	00	0	01221		WTBA 1	
00516	0540	00	0	02135		RCHA K2A2	WR 2-ONE WORD RECORDS
00517	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
00520	0020	00	0	00513		TRA B23	
00521	0020	00	0	00523		TRA *+2	
00522	516322216001					BCD 1RTBA 1	TEST READING WITH TGR 2 ON
00523	0764	00	0	01201	B24	BSRA 1	
00524	0764	00	0	01201		BSRA 1	
00525	0534	00	3	02332		LXA K6+6,3	L+2
00526	0762	00	0	01221		RTBA 1	
00527	0540	00	0	02140		RCHA K2A4	
00530	0074	00	4	06560		TSX RDNCK,4	CHECK RDN TAPE IND
00531	0020	00	0	00523		TRA B24	
00532	0500	00	0	02207	B25	CLA K20A4	WORD WRITTEN
00533	0560	00	0	02217		LDQ K21	WORD READ
00534	0340	00	0	02217		CAS K21	WORD READ
00535	0020	00	0	00537		TRA *+2	ERROR
00536	0020	00	0	00541		TRA *+3	
00537	0074	00	4	06502		TSX ERROR-2,4	
00540	0761	00	0	00523		NOP B24	DO NOT REPEAT
00541	2 00001	1	00542			TIX *+1,1,1	DECREMENT WORD NO
00542	2 00001	2	00543			TIX *+1,2,1	DECREMENT REC. NO.
00543	0500	00	0	02211	B26	CLA K20A5	WORD WRITTEN
00544	0560	00	0	02225		LDQ K21A	WORD READ
00545	0340	00	0	02225		CAS K21A	
00546	0020	00	0	00550		TRA *+2	ERROR
00547	0020	00	0	00551		TRA *+2	OK
00550	0074	00	4	06500		TSX ERROR-4,4	
00551	0074	00	4	06511		TSX OK,4	
00552	0020	00	0	00523		TRA B24	
00553	666322216001					BCD 1WTBA 1	TEST WRITING WITH TGR 2 ON
00554	-0760	00	0	01000	B27	ETTA	CHECK END OF TAPE TEST
00555	0772	00	0	01201		REWA 1	
00556	0766	00	0	01221		WTBA 1	FOR CHANNEL 1
00557	0540	00	0	02146		RCHA K2A5	DSC A
00560	0074	00	4	06560		TSX RDNCK,4	CHECK RDN TAPE IND
00561	0020	00	0	00554		TRA B27	
00562	0020	00	0	00564		TRA *+2	
00563	516322216001					BCD 1RTBA 1	TEST READING WITH TGR 2 ON
00564	0764	00	0	01201	B29	BSRA 1	
00565	0534	00	3	02332		LXA K6+6,3	L+2
00566	0762	00	0	01221		RTBA 1	

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00567	0600	00	0	02220		STZ K21+1	
00570	0600	00	0	02226		STZ K21A+1	
00571	0540	00	0	02151		RCHA K2A6	
00572	0640	00	0	02317		SCHA K25	SAVE CONTENTS CHANNEL A
00573	0074	00	4	06560		TSX RDNCK,4	CHECK RDN TAPE IND
00574	0020	00	0	00564		TRA B29	
00575	0020	00	0	00577		TRA B30	CONTINUE
00576	622330216060					BCD 1SCHA	TEST CONTENT DSCU REGISTERS
00577	0500	00	0	02315	B30	CLA K23+2	K21 IN ADDR-K2A6+3 IN DECR
00600	0560	00	0	02317		LDQ K25	RESULTS SCHA OPERATION
00601	0340	00	0	02317		CAS K25	
00602	0020	00	0	00604		TRA *+2	ERROR
00603	0020	00	0	00606		TRA *+3	OK
00604	0074	00	4	06503		TSX ERROR-1,4	
00605	-3 00000	0	0	00577		TXL B30	
00606	0500	00	0	02213	B31	CLA K20A6	REC WRITTEN
00607	0560	00	0	02217		LDQ K21	RECORD READ
00610	0340	00	0	02217		CAS K21	
00611	0020	00	0	00613		TRA *+2	ERROR
00612	0020	00	0	00615		TRA *+3	OK
00613	0074	00	4	06502		TSX ERROR-2,4	
00614	0761	00	0	00564		NOP B29	
00615	2 00001	2	0	00616		TIX *+1,2,1	DECREMENT REC NO
00616	2 00001	1	0	00617		TIX *+1,1,1	DECREMENT WDNO
00617	0500	00	0	02214	B32	CLA K20A6+1	REC WRITTEN
00620	0560	00	0	02225		LDQ K21A	RECORD READ
00621	0340	00	0	02225		CAS K21A	RECORD READ
00622	0020	00	0	00624		TRA *+2	ERROR
00623	0020	00	0	00626		TRA *+3	OK
00624	0074	00	4	06502		TSX ERROR-2,4	
00625	0020	00	0	00564		TRA B29	TRY AGAIN
00626	0500	00	0	02220	B32A	CLA K21+1	CHECK IF THESE TWO
00627	0400	00	0	02226		ADD K21A+1	POSITIONS CONTAIN ZERO
00630	0100	00	0	00632		TZE *+2	
00631	0074	00	4	06504		TSX ERROR,4	
00632	0074	00	4	06511		TSX OK,4	
00633	0020	00	0	00554		TRA B27	ERROR IN WRITING REPEAT
00634	0761	00	0	00000		NOP	

* TEST TAPE CHANNEL B

* TEST CHANNEL B - UNIT ON

DATA TRANSMISSION
INSTRUCTIONS

00635	0500	00	0	00166		CLA B1	
00636	0340	00	0	02767		CAS FIX1	WHAT CHANNEL
00637	0020	00	0	00654		TRA D3	CH F

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00640	0020	00	0	00647		TRA D2	CH D
00641	0020	00	0	00642		TRA D1	CH B
00642	0500	00	0	02775	D1	CLA SAVE1	
00643	0771	00	0	00011		ARS 9	
00644	0760	00	0	00001		LBT	
00645	0020	00	0	01725		TRA PRA	PRINT A ONLY
00646	0020	00	0	00662		TRA E1-3	
00647	0500	00	0	02776	D2	CLA SAVE2	
00650	0771	00	0	00011		ARS 9	
00651	0760	00	0	00001		LBT	
00652	0020	00	0	01746		TRA PRC	PRINT C ONLY
00653	0020	00	0	00662		TRA E1-3	
00654	0500	00	0	02777	D3	CLA SAVE3	
00655	0771	00	0	00011		ARS 9	
00656	0760	00	0	00001		LBT	
00657	0020	00	0	01766		TRA PRE	PRINT E ONLY
00660	0020	00	0	00662		TRA E1-3	
00661	6325262226060					BCD 1TEFB	TEST TRANSFER ON DSU B END OF FILE
00662	0020	00	0	00664		TRA *+2	
00663	0766	00	0	02221		WTBB 1	DUMMY SELECT
00664	-0030	00	0	00665		TEFB *+1	
00665	-0030	00	0	00667	E1	TEFB *+2	EOF INDICATOR SHOULD BE OFF
00666	0020	00	0	00673		TRA *+5	OK
00667	0074	00	4	06503		TSX ERROR-1,4	
00670	-3	00000	4	00665		TXL E1,4,0	
00671	0020	00	0	00673		TRA E3	CONTINUE
00672	6663222226060					BCD 1WTBB	TEST WRITE SELECT
00673	-0760	00	0	02000	E3	ETTB	
00674	0772	00	0	02201		REWB 1	PREPARE TO WRITE 1 WORD
00675	0766	00	0	02221		WTBB 1	
00676	-0540	00	0	02100		RCHB K1	
00677	-0061	00	0	00701		TCNB *+2	DSC B NOT IN OPN
00700	0020	00	0	00677		TRA *-1	
00701	0600	00	0	02317		STZ K25	SET STORAGE TO ZEROS
00702	-0640	00	0	02317		SCHB K25	STORE CHANNEL B
00703	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
00704	0020	00	0	00673		TRA E3	
00705	0020	00	0	00707		TRA *+2	CONTINUE
00706	6323002226060					BCD 1TC0B	TEST TCOB, DSU B IN OPERATION
00707	0061	00	0	00711	E4	TCOB *+2	
00710	0020	00	0	00715		TRA E5	OK
00711	0074	00	4	06503		TSX ERROR-1,4	
00712	-3	00000	0	00707		TXL E4	REPEAT
00713	0020	00	0	00715		TRA E5	CONTINUE
00714	6223302226060					BCD 1SCHB	TEST SCHB-STO. CHAN. B

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00715	0500	00	0	02313	E5	CLA K23	LOC REG, ADDR REG
00716	0560	00	0	02317		LDQ K25	LOC REG, ADDR
00717	0340	00	0	02317		CAS K25	CHANNEL CONTENTS
00720	0020	00	0	00722		TRA *+2	ERROR
00721	0020	00	0	00726		TRA E6	OK
							IF INCORRECT INFORMATION IS IN CHANNEL B THE ERROR OCCURED AT E3-TEST WRS
00722	0074	00	4	06503		TSX ERROR-1,4	
00723	0761	00	0	00715		NOP E5	
00724	0020	00	0	00726		TRA E6	CONTINUE
00725	632345226060					BCD 1TCNB	TEST CHANNEL TRANS ON DSU B NOT IN OPERATION
00726	-0061	00	0	00731	E6	TCNB *+3	
00727	0074	00	4	06503		TSX ERROR-1,4	
00730	-3	00000	4	00726		TXL E6,4,0	DO NOT REPEAT
00731	0074	00	4	06511		TSX OK,4	
00732	0020	00	0	00673		TRA E3	REPEAT
00733	516322226060					BCD 1RTBB	TEST READ SELECT
00734	0534	00	3	02326	E7	LXA K6+2,3	L+1
00735	0500	00	0	02332		CLA K6+6	L+2
00736	0601	00	0	06556		STO WDNO	SET WORD NO CONSTANT
00737	0601	00	0	06557		STO RECNO	SET REC NO CONSTANT
00740	0764	00	0	02201		BSRB 1	BACKSPACE TEST
00741	0600	00	0	02220		STZ K21+1	
00742	0762	00	0	02221		RTBB 1	READ RECORD
00743	-0540	00	0	02103		RCHB K1A1	TGRS S AND 1 ON
00744	0061	00	0	00744		TCOB *	
00745	-0640	00	0	02317		SCHB K25	TEMPORARY STORAGE
00746	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
00747	0020	00	0	00734		TRA E7	
00750	0500	00	0	02175	E8	CLA K20	WORD WRITTEN
00751	0560	00	0	02217		LDQ K21	WORD READ
00752	0340	00	0	02217		CAS K21	WORD READ
00753	0020	00	0	00755		TRA *+2	ERROR
00754	0020	00	0	00757		TRA *+3	OK
00755	0074	00	4	06502		TSX ERROR-2,4	
00756	0020	00	0	00734		TRA E7	
00757	-0520	00	0	02220	E8A	NZT K21+1	
00760	0020	00	0	00763		TRA *+3	
00761	0074	00	4	06503		TSX ERROR-1,4	
00762	0020	00	0	00673		TRA E3	WROTE MORE THAN ONE WORD REPEAT COMPLETE TEST
00763	0020	00	0	00765		TRA E9	CONTINUE
00764	622330226060					BCD 1SCHB	TEST STATUS CHANNEL B

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00765	0500	00	0	02316	E9	CLA K23A	
00766	0560	00	0	02317		LDQ K25	CHAN CONTENTS
00767	0340	00	0	02317		CAS K25	
00770	0020	00	0	00772		TRA *+2	ERROR
00771	0020	00	0	00774		TRA *+3	OK
00772	0074	00	4	06503		TSX ERROR-1,4	
00773	0761	00	0	00765		NOP E9	
00774	0074	00	4	06511		TSX OK,4	
00775	0020	00	0	00734		TRA E7	REPEAT
00776	666322226001					BCD 1WTBB 1	TEST WRITING 2-1 WORD REC
00777	-0760	00	0	02000	E10	ETTBB	END OF TAPE TEST
01000	0772	00	0	02201		REWB 1	
01001	0766	00	0	02221		WTBB 1	
01002	-0540	00	0	02106		RCHB K1A2	
01003	0770	00	0	02221		WEFB 17	
01004	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01005	0020	00	0	00777		TRA E10	
01006	0020	00	0	01010		TRA E11	
01007	516322226001					BCD 1RTBB 1	TEST READING 2 ONE WORD REC
01010	0764	00	0	02201	E11	BSRB 1	BACKSPACE
01011	0764	00	0	02201		BSRB 1	OVER EOF + TWO RECS
01012	0764	00	0	02201		BSRB 1	
01013	0534	00	3	02332		LXA K6+6,3	L+2
01014	0500	00	0	02331		CLA K6+5	L+3
01015	0601	00	0	06556		STO WDNO	
01016	0601	00	0	06557		STO RECNO	RESET REC NUMBER
01017	0600	00	0	02220		STZ K21+1	
01020	0600	00	0	02226		STZ K21A+1	
01021	0762	00	0	02221		RTBB 1	
01022	-0540	00	0	02125		RCHB K1A9	READ TWO 1-WORD REC + EOF S AND 1 TGRS ON
01023	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01024	0020	00	0	01010		TRA E11	
01025	0500	00	0	02177	E12	CLA K20A	WORD WRITTEN
01026	0560	00	0	02217		LDQ K21	WORD READ
01027	0340	00	0	02217		CAS K21	WORD READ
01030	0020	00	0	01032		TRA *+2	ERROR
01031	0020	00	0	01034		TRA *+3	
01032	0074	00	4	06502		TSX ERROR-2,4	
01033	0761	00	0	01010		NOP E11	DO NOT REPEAT
01034	2 00001	1	01035			TIX *+1,1,1	DECREMENT WORD NO
01035	2 00001	2	01036			TIX *+1,2,1	DECREMENT REC. NO.
01036	0500	00	0	02201	E13	CLA K20A1	WORD WRITTEN
01037	0560	00	0	02225		LDQ K21A	WORD READ
01040	0340	00	0	02225		CAS K21A	
01041	0020	00	0	01043		TRA *+2	ERROR
01042	0020	00	0	01047		TRA *+5	OK
01043	0074	00	4	06502		TSX ERROR-2,4	
01044	0020	00	0	01010		TRA E11	
01045	0020	00	0	01047		TRA *+2	CONTINUE

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01046	632526226060		BCD 1TEFB	
01047	-0030 00 0 01052		TEFB *+3	IS IND ON-YES/OK
01050	0074 00 4 06503		TSX ERROR-1,4	NO-ERROR
01051	-3 00000 0 01047		TXL *-2	REPEAT
01052	-0030 00 0 01054		TEFB *+2	IS IND ON-YES-ERROR
01053	0020 00 0 01056		TRA *+3	NO-OK
01054	0074 00 4 06503		TSX ERROR-1,4	
01055	-3 00000 4 01047		TXL *-6,4,0	CONTINUE
01056	-0022 00 0 01057		TRCB *+1	TURN OFF RDN IND
01057	0500 00 0 02220	E13A	CLA K21+1	CHECK IF THESE TWO
01060	0400 00 0 02226		ADD K21A+1	POSITIONS CONTAIN ZEROS
01061	0100 00 0 01063		TZE *+2	
01062	0074 00 4 06504		TSX ERROR,4	
01063	0074 00 4 06511		TSX OK,4	
01064	0020 00 0 00777		TRA E10	ERROR IN WRITTING TWO ONE WORD RECORDS REPEAT COMPLETE TEST
01065	314663606060		BCD 1IOT	I/O CHECK TEST
01066	-0544 00 0 02100	E14	LCHB K1	TURN ON I/O CHECK IND
01067	0760 00 0 00005		IOT	I/O CHECK TEST
01070	0020 00 0 01073		TRA *+3	I/O UNIT ON-OK
01071	0074 00 4 06503		TSX ERROR-1,4	
01072	-3 00000 0 01066		TXL E14	
01073	0760 00 0 00005	E15	IOT	I/O CHECK TEST
01074	0020 00 0 01076		TRA *+2	ERROR
01075	0020 00 0 01100		TRA *+3	OK
01076	0074 00 4 06503		TSX ERROR-1,4	
01077	-3 00000 0 01073		TXL E15	
01100	0074 00 4 06511		TSX OK,4	
01101	0020 00 0 01066		TRA E14	REPEAT
01102	666322226001		BCD 1WTBB 1	TEST OPN, OF TGRS 1 AND 2 WHEN WRITING THE FOURTH RECORD
01103	-0760 00 0 02000	E16	ETTB	CHECK END OF TAPE TEST
01104	0772 00 0 02201		REWB 1	
01105	0766 00 0 02221		WTBB 1	
01106	-0540 00 0 02115		RCHB K1A6	
01107	0600 00 0 02317		STZ K25	STORE ZEROS IN K25
01110	-0640 00 0 02317		SCHB K25	CHECK STATUS OF TGRS
01111	-0544 00 0 02120		LCHB K1A7	
01112	0020 00 0 01114		TRA *+2	CONTINUE
01113	314663606060		BCD 1IOT	TEST I/O CK TGR+IND
01114	0760 00 0 00005		IOT	
01115	0020 00 0 01117		TRA *+2	ERROR-CHANNEL B WAS NOT SELECTED
01116	0020 00 0 01121		TRA *+3	

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01117	0074	00	4	06503	E16A	TSX ERROR-1,4	
01120	-3	00000	0	01114		TXL *-4	REPEAT
01121	0020	00	0	01123		TRA E16B	CONTINUE
01122	622330226060					BCD 1SCHB	TEST SCHB-STO. CHAN. B
01123	-0500	00	0	02317	E16B	CAL K25	
01124	-0760	00	0	00001		PBT	WAS S TGR ON
01125	0020	00	0	01127		TRA *+2	ERROR
01126	0020	00	0	01131		TRA E17	NO-OK
01127	0074	00	4	06503		TSX ERROR-1,4	
01130	0761	00	0	01123		NOP E16B	
01131	0767	00	0	00001	E17	ALS 1	
01132	-0760	00	0	00001		PBT	WAS TGR 1 ON
01133	0020	00	0	01136		TRA *+3	OK
01134	0074	00	4	06503		TSX ERROR-1,4	
01135	0761	00	0	01123		NOP E16B	
01136	0767	00	0	00001	E18	ALS 1	
01137	-0760	00	0	00001		PBT	WAS TGR 2 ON
01140	0020	00	0	01142		TRA *+2	ERROR
01141	0020	00	0	01144		TRA *+3	OK
01142	0074	00	4	06503		TSX ERROR-1,4	
01143	0761	00	0	01123		NOP E16B	
01144	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01145	0020	00	0	01103		TRA E16	
01146	0020	00	0	01150		TRA *+2	CONTINUE
01147	516322226001					BCD 1RTBB 1	TEST IF 4TH RECORD WAS WRITTEN CORRECTLY
01150	0764	00	0	02201	E20	BSRB 1	BACKSPACE DSC B UNIT
01151	0534	00	3	02332		LXA K6+6,3	L+2
01152	0762	00	0	02221		RTBB 1	
01153	0600	00	0	02220		STZ K21+1	
01154	0600	00	0	02226		STZ K21A+1	
01155	-0540	00	0	02127		RCHB K2	TGRS S AND 2 ON
01156	-0544	00	0	02123		LCHB K1A8	TGRS S,1, AND 2 OFF
01157	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01160	0020	00	0	01150		TRA E20	
01161	0500	00	0	02177	E21	CLA K20A	WORD WRITTEN
01162	0560	00	0	02217		LDQ K21	WORD READ
01163	0340	00	0	02217		CAS K21	
01164	0020	00	0	01166		TRA *+2	ERROR
01165	0020	00	0	01170		TRA *+3	OK
01166	0074	00	4	06502		TSX ERROR-2,4	
01167	0761	00	0	01150		NOP E20	DO NOT REPEAT
01170	2	00001	1	01171		TIX *+1,1,1	DECREMENT WORD NO
01171	2	00001	2	01172		TIX *+1,2,1	DECREMENT REC. NO.
01172	0500	00	0	02205	E22	CLA K20A3	WORD WRITTEN
01173	0560	00	0	02225		LDQ K21A	WORD READ

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01174	0340	00	0	02225		CAS K21A	WORD READ
01175	0020	00	0	01177		TRA *+2	ERROR
01176	0020	00	0	01201		TRA *+3	OK
01177	0074	00	4	06503		TSX ERROR-1,4	
01200	0020	00	0	01150		TRA E20	
01201	0500	00	0	02220	E22A	CLA K21+1	
01202	0400	00	0	02226		ADD K21A+1	
01203	0100	00	0	01205		TZE *+2	OK
01204	0074	00	4	06504		TSX ERROR,4	
01205	0074	00	4	06511		TSX OK,4	
01206	0020	00	0	01150		TRA E20	TRY AGAIN
01207	666322226001					BCD 1WTBB 1	TEST WRITING WITH TGR 1 ON
01210	-0760	00	0	02000	E23	ETTB	CHECK END OF TAPE TEST
01211	0772	00	0	02201		REWB 1	
01212	0766	00	0	02221		WTBB 1	
01213	-0540	00	0	02135		RCHB K2A2	WRITE TWO-1 WORD REC
01214	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01215	0020	00	0	01210		TRA E23	
01216	0020	00	0	01220		TRA *+2	
01217	516322226001					BCD 1RTBB 1	TEST READING WITH TGR 2 ON
01220	0764	00	0	02201	E24	BSRB 1	
01221	0764	00	0	02201		BSRB 1	
01222	0534	00	3	02332		LXA K6+6,3	L+2
01223	0762	00	0	02221		RTBB 1	
01224	-0540	00	0	02140		RCHB K2A4	
01225	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01226	0020	00	0	01220		TRA E24	
01227	0500	00	0	02207	E25	CLA K20A4	WORD WRITTEN
01230	0560	00	0	02217		LDQ K21	WORD READ
01231	0340	00	0	02217		CAS K21	
01232	0020	00	0	01234		TRA *+2	ERROR
01233	0020	00	0	01236		TRA *+3	
01234	0074	00	4	06502		TSX ERROR-2,4	
01235	0761	00	0	01220		NOP E24	
01236	2 00001	1	1	01237		TIX *+1,1,1	DECREMENT WORD NO
01237	2 00001	2	1	01240		TIX *+1,2,1	DECREMENT REC. NO.
01240	0500	00	0	02211	E26	CLA K20A5	WORD WRITTEN
01241	0560	00	0	02225		LDQ K21A	WORD READ
01242	0340	00	0	02225		CAS K21A	
01243	0020	00	0	01245		TRA *+2	ERROR
01244	0020	00	0	01246		TRA *+2	OK
01245	0074	00	4	06500		TSX ERROR-4,4	
01246	0074	00	4	06511		TSX OK,4	
01247	0020	00	0	01220		TRA E24	
01250	666322226001					BCD 1WTBB 1	TEST WRITING WITH TGR 2 ON
01251	-0760	00	0	02000	E27	ETTB	CHECK END OF TAPE TEST
01252	0772	00	0	02201		REWB 1	
01253	0766	00	0	02221		WTBB 1	

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01254	-0540	00	0	02146		RCHB K2A5	
01255	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01256	0020	00	0	01251		TRA E27	
01257	0020	00	0	01261		TRA *+2	
01260	516322226001					BCD 1RTBB 1	TEST READING WITH TGR 2 ON
01261	0764	00	0	02201	E29	BSRB 1	
01262	0534	00	3	02332		LXA K6+6,3	L+2
01263	0762	00	0	02221		RTBB 1	
01264	0600	00	0	02220		STZ K21+1	
01265	0600	00	0	02226		STZ K21A+1	
01266	-0540	00	0	02151		RCHB K2A6	
01267	-0640	00	0	02317		SCHB K25	CHECK CONTS. DTUC REGISTERS
01270	0074	00	4	06560		TSX RDNCK,4	CHECK TAPE RDN IND
01271	0020	00	0	01261		TRA E29	REPEAT SECTION
01272	0020	00	0	01274		TRA E30	
01273	622330226060					BCD 1SCHB	TEST SCHB INSTRUCTION
01274	0500	00	0	02315	E30	CLA K23+2	K21 IN ADDR,K2A6+3 IN DECR
01275	0560	00	0	02317		LDQ K25	
01276	0340	00	0	02317		CAS K25	CHANNEL CONTENTS
01277	0020	00	0	01301		TRA *+2	ERROR
01300	0020	00	0	01303		TRA *+3	OK
01301	0074	00	4	06503		TSX ERROR-1,4	
01302	0761	00	0	01274		NOP E30	
01303	0500	00	0	02213	E31	CLA K20A6	REC WRITTEN
01304	0560	00	0	02217		LDQ K21	REC READ
01305	0340	00	0	02217		CAS K21	
01306	0020	00	0	01310		TRA *+2	ERROR
01307	0020	00	0	01312		TRA *+3	OK
01310	0074	00	4	06502		TSX ERROR-2,4	
01311	0761	00	0	01261		NOP E29	
01312	2 00001	2	0	01313		TIX *+1,2,1	DECREMENT REC NO
01313	2 00001	1	0	01314		TIX *+1,1,1	DECREMENT WDNO
01314	0500	00	0	02214	E32	CLA K20A6+1	REC WRITTEN
01315	0560	00	0	02225		LDQ K21A	REC READ
01316	0340	00	0	02225		CAS K21A	
01317	0020	00	0	01321		TRA *+2	ERROR
01320	0020	00	0	01323		TRA *+3	OK
01321	0074	00	4	06502		TSX ERROR-2,4	
01322	0020	00	0	01261		TRA E29	TRY AGAIN
01323	0500	00	0	02220	E32A	CLA K21+1	CHECK IF THESE TWO
01324	0400	00	0	02226		ADD K21A+1	POSITIONS CONTAIN ZEROS
01325	0100	00	0	01327		TZE *+2	
01326	0074	00	4	06504		TSX ERROR,4	
01327	0074	00	4	06511		TSX OK,4	
01330	0020	00	0	01251		TRA E27	ERROR IN WRITING REPEAT THE COMPLETE TEST
01331	0761	00	0	00000		NOP	

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* MULTI CHANNEL OPERATION

01332	0500	00	0	00166		CLA B1	WHICH CHAN ARE
01333	0340	00	0	02767		CAS FIX1	BEING TESTED SEC3
01334	0020	00	0	01351		TRA Q3	CHECK CTRL3 EF
01335	0020	00	0	01344		TRA Q2	CHECK CTRL2 CD
01336	0020	00	0	01337		TRA Q1	CHECK CTRL1 AB
01337	0500	00	0	02775	Q1	CLA SAVE1	
01340	0771	00	0	00003		ARS 3	
01341	0760	00	0	00001		LBT	
01342	0020	00	0	01735		TRA PRB	PRINT B ONLY
01343	0020	00	0	01357		TRA F1	
01344	0500	00	0	02776	Q2	CLA SAVE2	
01345	0771	00	0	00003		ARS 3	
01346	0760	00	0	00001		LBT	
01347	0020	00	0	01756		TRA PRD	PRINT D ONLY
01350	0020	00	0	01357		TRA F1	
01351	0500	00	0	02777	Q3	CLA SAVE3	
01352	0771	00	0	00003		ARS 3	
01353	0760	00	0	00001		LBT	
01354	0020	00	0	01776		TRA PRF	PRINT F ONLY
01355	0020	00	0	01357		TRA F1	
01356	666322226060				TESAB	BCD 1WTBB	TEST CHANNEL A AND B FOR WRITING
01357	0020	00	0	01361	F1	TRA *+2	
01360	0766	00	0	01221		WTBA 1	DUMMY SELECT
01361	-0760	00	0	01000		ETTA	CHECK END OF TAPE TEST UNIT ON CHANNEL A
01362	0772	00	0	01201		REWA 1	
01363	0020	00	0	01440		TRA TESBA	
01364	0766	00	0	01221	SEP1	WTBA 1	
01365	0022	00	0	01366		TRCA *+1	TURN OFF RDN CHECK IND
01366	0540	00	0	02156		RCHA K3	WRITE FIVE-5 WORD REC
01367	0020	00	0	01445		TRA SEP2	
01370	632346216060					BCD 1TCOA	TEST TRANS CHAN IN OPER
01371	0020	00	0	01373	SEP3	TRA *+2	
01372	0766	00	0	01221		WTBA 1	DUMMY SELECT
01373	0060	00	0	01376		TCOA *+3	IS DSC A IN OPERATION
01374	0074	00	4	06503		TSX ERROR-1,4	NO-ERROR
01375	-3	00000	0	01373		TXL *-2	REPEAT
01376	0074	00	4	06560	F2	TSX RDNCK,4	CHECK TAPE RDN IND
01377	0020	00	0	01357		TRA F1	
01400	0020	00	0	01452		TRA F3	GO TO CH B
01401	516322216060					BCD 1RTBA	TEST CHANNELS A AND B FOR READING
01402	0500	00	0	02325	F5	CLA K6+1	L+5
01403	0400	00	0	02326		ADD K6+2	L+1

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01404	0621	00	0	06556		STA WDNO	WORD NUMBER
01405	0621	00	0	06557		STA RECNO	RECORD NUMBER
01406	0534	00	3	02325		LXA K6+1,3	L +5
01407	0764	00	0	01201	IT	BSRA 1	BACKSPACE DSU A AND B
01410	0020	00	0	01464		TRA SEP5	
01411	0762	00	0	01221	SEP6	RTBA 1	
01412	0022	00	0	01413		TRCA *+1	TURN OFF RDN CHECK
01413	0540	00	0	02163		RCHA K4	
01414	0020	00	0	01471		TRA SEP7	
01415	632346216060					BCD 1TCOA	TEST TRANS CHAN IN OPER
01416	0020	00	0	01420	SEP8	TRA *+2	
01417	0766	00	0	01221		WTBA 1	DUMMY SELECT
01420	0060	00	0	01423		TCOA *+3	IS DSC A IN OPERATION
01421	0074	00	4	06503		TSX ERROR-1,4	NO-ERROR
01422	-3 00000	0	0	01420		TXL *-2	REPEAT
01423	0074	00	4	06560	F6	TSX RDNCK,4	CHECK TAPE RDN IND
01424	0020	00	0	01402		TRA F5	
01425	0020	00	0	01476		TRA F7	
01426	632346216060					BCD 1TCOA	TEST TRANS CHAN IN OPER
01427	0020	00	0	01431	F10	TRA *+2	
01430	0766	00	0	01221		WTBA 1	DUMMY SELECT
01431	0060	00	0	01433		TCOA *+2	IS DSC A IN OPERATION
01432	0020	00	0	01435		TRA F11	NO-OK
01433	0074	00	4	06503		TSX ERROR-1,4	
01434	-3 00000	0	0	01427		TXL F10	
01435	0074	00	4	06560	F11	TSX RDNCK,4	CHECK TAPE RDN IND
01436	0020	00	0	01402		TRA F5	
01437	0020	00	0	01653		TRA F12	CONTINUE
01440	0020	00	0	01442	TESBA	TRA *+2	
01441	0766	00	0	02221		WTBB 1	DUMMY SELECT
01442	-0760	00	0	02000		ETTBB	DSC B
01443	0772	00	0	02201		REWB 1	
01444	0020	00	0	01364		TRA SEP1	
01445	0766	00	0	02221	SEP2	WTBB 1	
01446	-0022	00	0	01447		TRCB *+1	TURN OFF RDN CHECK IND
01447	-0540	00	0	02156		RCHB K3	WRITE FIVE 5-WORD REC
01450	0020	00	0	01371		TRA SEP3	
01451	632346226060					BCD 1TCOB	TEST TRANS CHAN IN OPER
01452	0020	00	0	01454	F3	TRA *+2	
01453	0766	00	0	02221		WTBB 1	DUMMY SELECT
01454	0061	00	0	01456		TCOB *+2	IS DSC B IN OPERATION
01455	0020	00	0	01460		TRA *+3	
01456	0074	00	4	06503		TSX ERROR-1,4	
01457	-3 00000	4	0	01452		TXL F3,4,0	
01460	0074	00	4	06511		TSX OK,4	
01461	0020	00	0	01357		TRA F1	REPEAT

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01462	0761	00	0	00000		NOP		
01463	0020	00	0	01402		TRA F5		
01464	0020	00	0	01466	SEP5	TRA *+2		
01465	0766	00	0	02221		WTBB 1	DUMMY SELECT	
01466	0764	00	0	02201		BSRB 1		
01467	2	00001	1	01407		TIX IT,1,1		
01470	0020	00	0	01411		TRA SEP6		
01471	0762	00	0	02221	SEP7	RTBB 1		
01472	-0022	00	0	01473		TRCB *+1	TURN OFF RDN CHECK	
01473	-0540	00	0	02170		RCHB K4A		
01474	0020	00	0	01416		TRA SEP8		
01475	632346226060					BCD 1TCOB	TEST TRANS CHAN IN OPER	
01476	0020	00	0	01500	F7	TRA *+2		
01477	0766	00	0	02221		WTBB 1	DUMMY SELECT	
01500	0061	00	0	01502		TCOB *+2		
01501	0020	00	0	01504		TRA *+3	NO-OK	
01502	0074	00	4	06503		TSX ERROR-1,4		
01503	-3	00000	0	01476		TXL F7		
01504	0074	00	4	06560	F8	TSX RDNCK,4	CHECK TAPE RDN IND	
01505	0020	00	0	01402		TRA F5		
01506	0534	00	1	02325	F9	LXA K6+1,1	L +5	
01507	0560	00	1	02054		LDQ C1+5,1	WORD WRITTEN	
01510	0500	00	1	02224		CLA K21+5,1	WORD READ	
01511	0340	00	1	02054		CAS C1+5,1		
01512	0020	00	0	01514		TRA *+2	ERROR	
01513	0020	00	0	01516		TRA *+3	OK	
01514	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 1ST RECORD DSU A	
01515	0761	00	0	01402		NOP F5		
01516	2	00001	1	01507		TIX F9+1,1,1		
01517	2	00001	2	01520		TIX *+1,2,1	DECREMENT REC. NO.	
01520	0534	00	1	02325	F9A	LXA K6+1,1	L +5	
01521	0560	00	1	02061		LDQ C1+10,1	WORD WRITTEN	
01522	0500	00	1	02232		CLA K21A+5,1	WORD READ	
01523	0340	00	1	02061		CAS C1+10,1		
01524	0020	00	0	01526		TRA *+2	ERROR	
01525	0020	00	0	01530		TRA *+3	OK	
01526	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 2ND RECORD DSU A	
01527	0761	00	0	01402		NOP F5		
01530	2	00001	1	01521		TIX F9A+1,1,1		
01531	2	00001	2	01532		TIX *+1,2,1	DECREMENT REC. NO.	
01532	0534	00	1	02325	F9B	LXA K6+1,1	L +5	
01533	0560	00	1	02066		LDQ C2+5,1	WORD WRITTEN	
01534	0500	00	1	02240		CLA K21B+5,1	WORD READ	
01535	0340	00	1	02066		CAS C2+5,1		
01536	0020	00	0	01540		TRA *+2	ERROR	
01537	0020	00	0	01542		TRA *+3	OK	
01540	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 3RD RECORD DSU A	
01541	0761	00	0	01402		NOP F5		
01542	2	00001	1	01533		TIX F9B+1,1,1		
01543	2	00001	2	01544		TIX *+1,2,1	DECREMENT REC. NO.	

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01544	0534	00	1	02325	F9C	LXA K6+1,1	L +5
01545	0560	00	1	02073		LDQ C2+10,1	WORD WRITTEN
01546	0500	00	1	02246		CLA K21C+5,1	WORD READ
01547	0340	00	1	02073		CAS C2+10,1	
01550	0020	00	0	01552		TRA *+2	ERROR
01551	0020	00	0	01554		TRA *+3	OK
01552	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 4TH RECORD DSU A
01553	0761	00	0	01402		NOP F5	
01554	2	00001	1	01545		TIX F9C+1,1,1	
01555	2	00001	2	01556		TIX *+1,2,1	DECREMENT REC. NO.
01556	0534	00	1	02325	F9D	LXA K6+1,1	L +5
01557	0560	00	1	02100		LDQ C3+5,1	WORD WRITTEN
01560	0500	00	1	02254		CLA K21D+5,1	WORD READ
01561	0340	00	1	02100		CAS C3+5,1	
01562	0020	00	0	01564		TRA *+2	ERROR
01563	0020	00	0	01566		TRA *+3	OK
01564	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 5TH RECORD DSU A
01565	0020	00	0	01402		TRA F5	
01566	2	00001	1	01557		TIX F9D+1,1,1	
01567	0020	00	0	01571		TRA F9E	CONTINUE
01570	516322226001					BCD 1RTBB 1	
01571	0534	00	3	02325	F9E	LXA K6+1,3	L +5
01572	0560	00	1	02054		LDQ C1+5,1	WORD WRITTEN
01573	0500	00	1	02262		CLA K22+5,1	WORD READ
01574	0340	00	1	02054		CAS C1+5,1	
01575	0020	00	0	01577		TRA *+2	ERROR
01576	0020	00	0	01601		TRA *+3	OK
01577	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 1ST RECORD DSU B
01600	0761	00	0	01571		NOP F9E	
01601	2	00001	1	01572		TIX F9E+1,1,1	
01602	2	00001	2	01603		TIX *+1,2,1	DECREMENT REC. NO.
01603	0534	00	1	02325	F9F	LXA K6+1,1	L +5
01604	0560	00	1	02061		LDQ C1+10,1	WORD WRITTEN
01605	0500	00	1	02270		CLA K22A+5,1	WORD READ
01606	0340	00	1	02061		CAS C1+10,1	
01607	0020	00	0	01611		TRA *+2	ERROR
01610	0020	00	0	01613		TRA *+3	OK
01611	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 2ND RECORD DSU B
01612	0761	00	0	01571		NOP F9E	
01613	2	00001	1	01604		TIX F9F+1,1,1	
01614	2	00001	2	01615		TIX *+1,2,1	DECREMENT REC. NO.
01615	0534	00	1	02325	F9G	LXA K6+1,1	L +5
01616	0560	00	1	02066		LDQ C2+5,1	WORD WRITTEN
01617	0500	00	1	02276		CLA K22B+5,1	WORD READ
01620	0340	00	1	02066		CAS C2+5,1	
01621	0020	00	0	01623		TRA *+2	ERROR
01622	0020	00	0	01625		TRA *+3	OK
01623	0074	00	4	06502		TSX ERROR-2,4	ERROR IN 3RD RECORD DSU B
01624	0761	00	0	01571		NOP F9E	
01625	2	00001	1	01616		TIX F9G+1,1,1	

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01626	2	00001	2	01627		TIX	*+1,2,1	DECREMENT REC. NO.
01627	0534	00	1	02325	F9H	LXA	K6+1,1	L +5
01630	0560	00	1	02073		LDQ	C2+10,1	WORD WRITTEN
01631	0500	00	1	02304		CLA	K22C+5,1	WORD READ
01632	0340	00	1	02073		CAS	C2+10,1	
01633	0020	00	0	01635		TRA	*+2	ERROR
01634	0020	00	0	01637		TRA	*+3	OK
01635	0074	00	4	06502		TSX	ERROR-2,4	ERROR IN FORTH RECORD DSU B
01636	0761	00	0	01571		NOP	F9E	
01637	2	00001	1	01630		TIX	F9H+1,1,1	
01640	0534	00	1	02325	F9J	LXA	K6+1,1	L +5
01641	0560	00	1	02100		LDQ	C3+5,1	WORD WRITTEN
01642	0500	00	1	02312		CLA	K22D+5,1	WORD READ
01643	0340	00	1	02100		CAS	C3+5,1	
01644	0020	00	0	01646		TRA	*+2	ERROR
01645	0020	00	0	01650		TRA	*+3	OK
01646	0074	00	4	06502		TSX	ERROR-2,4	ERROR IN 5TH RECORD DSU B
01647	0020	00	0	01571		TRA	F9E	
01650	2	00001	1	01641		TIX	F9J+1,1,1	
01651	0020	00	0	01427		TRA	F10	CONTINUE
01652	632346226060					BCD	1TCOB	TEST TRANS CHAN IN OPER
01653	0020	00	0	01655	F12	TRA	*+2	
01654	0766	00	0	02221		WTBB	1	DUMMY SELECT
01655	0061	00	0	01657		TCOB	*+2	IN DSCB IN OPERATION
01656	0020	00	0	01661		TRA	*+3	NO-OK
01657	0074	00	4	06503		TSX	ERROR-1,4	
01660	-3	00000	0	01653		TXL	F12	
01661	0074	00	4	06511		TSX	OK,4	
01662	0020	00	0	01402		TRA	F5	REPEAT READ MULTICHANNEL
01663	0761	00	0	00000		NOP		
01664	0500	00	0	00166		CLA	B1	
01665	0340	00	0	02767		CAS	FIX1	
01666	0020	00	0	02037		TRA	PREF	PRINT E AND F
01667	0020	00	0	02027		TRA	PRCD	PRINT C AND D
01670	0020	00	0	02017		TRA	PRAB	PRINT A AND B
01671	0774	00	1	00002	MOD	AXT	2,1	
01672	0074	00	4	05512		TSX	CTX,4	
01673	0006	34	0	00162		HTR	B1-4,0,B32A+6	
01674	0074	00	4	05512		TSX	CTX,4	
01675	0013	31	0	00663		HTR	E1-2,0,E32A+6	
01676	0074	00	4	05512		TSX	CTX,4	
01677	0014	35	0	01356		HTR	TESAB,0,F11	
01700	0074	00	4	05512		TSX	CTX,4	
01701	0016	55	0	01440		HTR	TESBA,0,F12+2	
01702	2	00001	1	01672		TIX	*-8,1,1	
01703	0020	00	0	00122		TRA	STA	

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01704 0760 00 0 00163 F19 SWT 3
01705 0020 00 0 01707 TRA PRAUC
01706 0020 00 0 01671 TRA MOD

* PRINT ALL UNITS CALLED
01707 0766 00 0 01361 PRAUC WPRA
01710 0760 00 0 01363 SPRA 3
01711 0540 00 0 01720 RCHA CTALL
01712 0760 00 0 00165 SWT 5 TEST SW 5
01713 0020 00 0 01715 TRA *+2
01714 0020 00 0 01671 TRA MOD REPEAT SAME SEQUENCE
01715 0760 00 0 00166 SWT 6 TEST SW, 6
01716 0020 00 0 01721 TRA PROG TO NEXT PROG
01717 0020 00 0 00031 TRA INIT
01720 0000 30 0 02725 CTALL IOCD AUC,0,24

01721 0762 00 0 01321 PROG RCDA
01722 0540 00 0 02321 RCHA K56
01723 0544 00 0 00000 LCHA 0
01724 0020 00 0 00001 TRA 1

PRINT CH A
01725 0760 00 0 00163 PRA SWT 3 TEST SENSE SWITCH 3
01726 0020 00 0 01730 TRA *+2
01727 0020 00 0 01733 TRA *+4 BYPASS PRINT
01730 0766 00 0 01361 WPRA
01731 0760 00 0 01363 SPRA 3
01732 0540 00 0 02010 RCHA CTA
01733 0020 00 0 01671 TRA MOD

01734 0000 00 0 00000 HTR 0

PRINT CH B
01735 0760 00 0 00163 PRB SWT 3 TEST SENSE SWITCH 3
01736 0020 00 0 01740 TRA *+2
01737 0020 00 0 01743 TRA *+4 BYPASS PRINT
01740 0766 00 0 01361 WPRA
01741 0766 00 0 01361 WPRA
01742 0540 00 0 02011 RCHA CTB
01743 0760 00 0 01363 SPRA 3
01744 0020 00 0 01671 TRA MOD

01745 0000 00 0 00000 HTR 0

PRINT CH C
01746 0760 00 0 00163 PRC SWT 3 TEST SENSE SWITCH 3
01747 0020 00 0 01751 TRA *+2
01750 0020 00 0 01754 TRA *+4 BYPASS PRINT
01751 0766 00 0 01361 WPRA
01752 0760 00 0 01363 SPRA 3
01753 0540 00 0 02012 RCHA CTC
01754 0020 00 0 01671 TRA MOD

01755 0000 00 0 00000 HTR 0

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*

PRINT CH D
01756 0760 00 0 00163 PRD SWT 3 TEST SENSE SWITCH 3
01757 0020 00 0 01761 TRA *+2
01760 0020 00 0 01764 TRA *+4 BYPASS PRINT
01761 0766 00 0 01361 WPRA
01762 0760 00 0 01363 SPRA 3
01763 0540 00 0 02013 RCHA CTD
01764 0020 00 0 01671 TRA MOD

01765 0000 00 0 00000 HTR 0

PRINT CH E
01766 0760 00 0 00163 PRE SWT 3 TEST SENSE SWITCH 3
01767 0020 00 0 01771 TRA *+2
01770 0020 00 0 01774 TRA *+4 BYPASS PRINT
01771 0766 00 0 01361 WPRA
01772 0760 00 0 01363 SPRA 3
01773 0540 00 0 02014 RCHA CTE
01774 0020 00 0 01704 TRA F19

01775 0000 00 0 00000 HTR 0

PRINT CH F
01776 0760 00 0 00163 PRF SWT 3 TEST SENSE SWITCH 3
01777 0020 00 0 02001 TRA *+2
02000 0020 00 0 02004 TRA *+4 BYPASS PRINT
02001 0766 00 0 01361 WPRA
02002 0760 00 0 01363 SPRA 3
02003 0540 00 0 02015 RCHA CTF
02004 0020 00 0 01704 TRA F19
02005 0000 00 0 00000 HTR 0
02006 0000 30 0 02645 CTCD IOCD PTCD,0,24
02007 0000 30 0 02675 CTEF IOCD PTEF,0,24
02010 0000 30 0 02375 CTA IOCD PTA,0,24
02011 0000 30 0 02425 CTB IOCD PTB,0,24
02012 0000 30 0 02455 CTC IOCD PTC,0,24
02013 0000 30 0 02505 CTD IOCD PTD,0,24
02014 0000 30 0 02535 CTE IOCD PTE,0,24
02015 0000 30 0 02565 CTF IOCD PTF,0,24
02016 0000 30 0 02615 CTAB IOCD PTAB,0,24

PRINT CH AB
02017 0760 00 0 00163 PRAB SWT 3 TEST SENSE SWITCH 3
02020 0020 00 0 02022 TRA *+2
02021 0020 00 0 02025 TRA *+4 BYPASS SWITCH
02022 0766 00 0 01361 WPRA
02023 0760 00 0 01363 SPRA 3
02024 0540 00 0 02016 RCHA CTAB
02025 0020 00 0 01671 TRA MOD

02026 0000 00 0 00000 HTR 0

PRINT CH CD
02027 0760 00 0 00163 PRCD SWT 3 TEST SENSE SWITCH 3
02030 0020 00 0 02032 TRA *+2

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*

02031	0020	00	0	02035		TRA	*+4		BYPASS PRINT
02032	0766	00	0	01361		WPRA			
02033	0760	00	0	01363		SPRA	3		
02034	0540	00	0	02006		RCHA	CTCD		
02035	0020	00	0	01671		TRA	MOD		
02036	0000	00	0	00000		HTR	0		
								PRINT CH EF	
02037	0760	00	0	00163	PREF	SWT	3		TEST SENSE SWITCH 3
02040	0020	00	0	02042		TRA	*+2		
02041	0020	00	0	02045		TRA	*+4		BYPASS PRINT
02042	0766	00	0	01361		WPRA			
02043	0760	00	0	01363		SPRA	3		
02044	0540	00	0	02007		RCHA	CTEF		
02045	0020	00	0	01704		TRA	F19		
02046	0000	00	0	00000		HTR	0		
02047	+1111111111111				C1	OCT	1111111111111		
02050	+2222222222222					OCT	2222222222222		
02051	+3333333333333					OCT	3333333333333		
02052	-0444444444444					OCT	-4444444444444		
02053	-1555555555555					OCT	-5555555555555		
02054	-2666666666666					OCT	-6666666666666		
02055	+1212121212121					OCT	1212121212121		
02056	+3434343434343					OCT	3434343434343		
02057	+321670123457					OCT	321670123457		
02060	+012345123456					OCT	012345123456		
02061	-071543075423				C2	OCT	-71543075423		
02062	+337733773377					OCT	337733773377		
02063	+236546234534					OCT	236546234534		
02064	-375511334454					OCT	775511334454		
02065	+113321123575					OCT	113321123575		
02066	-045723454776					OCT	-45723454776		
02067	+345611123455					OCT	345611123455		
02070	-034672167121					OCT	-34672167121		
02071	+305020407060					OCT	305020407060		
02072	-043210432104					OCT	-43210432104		
02073	-071717171717				C3	OCT	-71717171717		
02074	-147065423042					OCT	547065423042		
02075	+345670544432					OCT	345670544432		
02076	-047474745546					OCT	-47474745546		
02077	-054467024562					OCT	-54467024562		
READ AREA									
02100	0	00001	0	02175	K1	PZE	K20,0,1	WR	CTR WD FIRST RECORD
02101	0	00000	0	02102		PZE	K1+2		
02102	0	00000	0	02322		PZE	K100		
02103	-2	00001	0	02217	K1A1	MTW	K21,0,1	RD	CTL WORD 1ST RECORD
02104	0	00000	0	02105		PZE	K1A1+2		
02105	0	00000	0	02323		PZE	K101		
02106	2	00001	0	02177	K1A2	PTW	K20A,0,1	WR	CTR WD SECOND RECORD
02107	0	00001	0	02201		PZE	K20A1,0,1	WR	CTR WD THIRD RECORD
02110	0	00000	0	02111		PZE	K1A2+3		
02111	0	00000	0	02322		PZE	K100		
02112	-2	00001	0	02217	K1A4	MTW	K21,0,1	RD	CTR WD SECOND RECORD
02113	0	00001	0	02225		PZE	K21A,0,1	RD	CTR WORD THIRD RECORD
02114	0	00000	0	00000		PZE			
02115	-1	00001	0	02177	K1A6	MON	K20A,0,1	WR	CTR WD FOURTH RECORD

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*

02116	0	00000	0	02117		PZE	K1A6+2		
02117	0	00000	0	02322		PZE	K100		
02120	0	00001	0	02205	K1A7	PZE	K20A3,0,1	WR	CTR WD FOURTH RECORD
02121	0	00000	0	02122		PZE	K1A7+2		
02122	0	00000	0	02322		PZE	K100		
02123	1	00002	0	02132	K1A8	PON	K2A,0,2	RD	CTR WD FOURTH RECORD
02124	0	00000	0	02323		PZE	K101		
02125	-2	00001	0	02217	K1A9	MTW	K21,0,1		
02126	0	00002	0	02225		PZE	K21A,0,2		
02127	-1	00001	0	02217	K2	MON	K21,0,1	RD	CTR WD FOURTH RECORD
02130	0	00001	0	02220		PZE	K21+1,0,1		
02131	0	00000	0	02323		PZE	K101		
02132	0	00001	0	02225	K2A	PZE	K21A,0,1	RD	CTR WD FOURTH RECORD
02133	0	00000	0	02134		PZE	K2A+2		
02134	0	00000	0	02323		PZE	K101		
02135	2	00001	0	02207	K2A2	PTW	K20A4,0,1	WR	CTR WD FIFTH RECORD
02136	0	00001	0	02211		PZE	K20A5,0,1		
02137	0	00000	0	00144		PZE	100		
02140	1	00000	0	02153	K2A4	PON	K2A6+2		
02141	0	00001	0	02217		PZE	K21,0,1		
02142	0	00001	0	02225		PZE	K21A,0,1		
02143	1	00002	0	02145		PON	K2A4+5,0,2		
02144	0	00001	0	02220		PZE	K21+1,0,1		
02145	0	00000	0	02263		PZE	K22A		
02146	1	00003	0	02150	K2A5	PON	K2A5+2,0,3		
02147	1	00000	0	02152		PON	K2A5+4		
02150	0	00002	0	02213		PZE	K20A6,0,2		
02151	1	00000	0	02153	K2A6	PON	K2A6+2	TGR	2 ON
02152	0	00000	0	02220		PZE	K21+1	NO	TGRS ON
02153	-0	00001	0	02217		MZE	K21,0,1	S	TGR ON
02154	-0	00001	0	02225		MZE	K21A,0,1	S	TGR ON
02155	1	00010	0	02152		PON	K2A6+1,0,8	TGR	2 ON
*WRITE 5-5 WORD RECORDS									
02156	2	00005	0	02047	K3	PTW	C1,0,5	1	TGR ON WRITE EOR
02157	2	00005	0	02054		PTW	C1+5,0,5		INDICATION AND BRING
02160	2	00005	0	02061		PTW	C2,0,5		IN NEW CONTROL WORD
02161	2	00005	0	02066		PTW	C2+5,0,5		
02162	0	00005	0	02073		PZE	C3,0,5	WR	EOR AND DISCONNECT UNIT
* READ CTRL FROM CHAN A									
02163	2	00012	0	02217	K4	PTW	K21,0,10	ON	EOR BRING IN CONTROL WORD FROM LOC IN LR
02164	2	00005	0	02225		PTW	K21A,0,5		
02165	2	00005	0	02233		PTW	K21B,0,5		
02166	-2	00012	0	02241		MTW	K21C,0,10		
02167	0	00005	0	02247		PZE	K21D,0,5		
READ CTRL FOR CHAN B									
02170	2	00012	0	02255	K4A	PTW	K22,0,10		
02171	2	00005	0	02263		PTW	K22A,0,5		
02172	2	00005	0	02271		PTW	K22B,0,5		
02173	-2	00012	0	02277		MTW	K22C,0,10		
02174	0	00005	0	02305		PZE	K22D,0,5		
02175	-052525252525				K20	OCT	452525252525	REC	WRITTEN +1

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*

02176	-3777777777777		OCT	7777777777777	
02177	+370241567401	K20A	OCT	370241567401	REC WRITTEN +2
02200	+0777777777777		OCT	7777777777777	
02201	-057632134556	K20A1	OCT	457632134556	REC WRITTEN +3
02202	+0077777777777		OCT	7777777777777	
02203	+246754321007	K20A2	OCT	246754321007	REC WRITTEN +4
02204	+0007777777777		OCT	7777777777777	
02205	-146210735747	K20A3	OCT	546210735747	REC WRITTEN +4
02206	+0000777777777		OCT	7777777777777	
02207	+022431776053	K20A4	OCT	022431776053	
02210	+0000077777777		OCT	7777777777777	
02211	+142367452310	K20A5	OCT	142367452310	
02212	+0000007777777		OCT	7777777777777	
02213	-354321754632	K20A6	OCT	754321754632	
02214	+0000000777777		OCT	7777777777777	
02215	-211744332016		OCT	611744332016	
02216	+0000000077777		OCT	7777777777777	

READING AREA

02217	+0000000000000	K21	OCT	0,0,0,0,0,0	
02220	+0000000000000				
02221	+0000000000000				
02222	+0000000000000				
02223	+0000000000000				
02224	+0000000000000				
02225	+0000000000000	K21A	OCT	0,0,0,0,0,0	
02226	+0000000000000				
02227	+0000000000000				
02230	+0000000000000				
02231	+0000000000000				
02232	+0000000000000				
02233	+0000000000000	K21B	OCT	0,0,0,0,0,0	
02234	+0000000000000				
02235	+0000000000000				
02236	+0000000000000				
02237	+0000000000000				
02240	+0000000000000				
02241	+0000000000000	K21C	OCT	0,0,0,0,0,0	
02242	+0000000000000				
02243	+0000000000000				
02244	+0000000000000				
02245	+0000000000000				
02246	+0000000000000				
02247	+0000000000000	K21D	OCT	0,0,0,0,0,0	
02250	+0000000000000				
02251	+0000000000000				
02252	+0000000000000				
02253	+0000000000000				
02254	+0000000000000				
02255	+0000000000000	K22	OCT	0,0,0,0,0,0	
02256	+0000000000000				
02257	+0000000000000				
02260	+0000000000000				
02261	+0000000000000				
02262	+0000000000000				
02263	+0000000000000	K22A	OCT	0,0,0,0,0,0	
02264	+0000000000000				

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*

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02265 +0000000000000
02266 +0000000000000
02267 +0000000000000
02270 +0000000000000
02271 +0000000000000   K22B   OCT 0,0,0,0,0,0
02272 +0000000000000
02273 +0000000000000
02274 +0000000000000
02275 +0000000000000
02276 +0000000000000
02277 +0000000000000   K22C   OCT 0,0,0,0,0,0
02300 +0000000000000
02301 +0000000000000
02302 +0000000000000
02303 +0000000000000
02304 +0000000000000
02305 +0000000000000   K22D   OCT 0,0,0,0,0,0
02306 +0000000000000
02307 +0000000000000
02310 +0000000000000
02311 +0000000000000
02312 +0000000000000
02313 0021 01 0 02176   K23    HTR K20+1,0,K1+1 TGRS, LR AR
02314 +0000000000000           OCT 0
02315 -0 02154 0 02217           MZE K21,0,K2A6+3
02316 0 02105 0 02105   K23A   PZE K1A1+2,0,K1A1+2
02317 +0000000000000   K25    OCT +0           STORE CHANNEL CONTENTS
02320 +0000000000000   K55    OCT
02321 -1 00003 0 00000   K56    MON 0,0,3
02322 +0000000000000   K100   OCT
02323 +0000000000000   K101   OCT
02324 +000144000030    K6     OCT 144000030
02325 +000001000005           OCT 1000005
02326 +0000000000001           OCT 1
02327 0020 00 0 00030           TRA 24
02330 +0000000000011           OCT 11
02331 +0000000000003           OCT 3
02332 +0000000000002           OCT 2

*PRINT - NOW PERFORMING DIAGNOSTIC TEST 9T02
02333 0760 00 0 00163   PRID   SWT 3           TEST SENSE SWITCH 3
02334 0020 00 0 02336           TRA *+2         PRINT TEST IDENTITY
02335 0020 00 0 02342           TRA *+5         BYPASS PRINT
02336 0766 00 0 01361   IDN    WPRA 1          PRINT OUT TEST IDENTITY
02337 0760 00 0 01363           SPRA 3          DOUBLE SPACE
02340 0540 00 0 02344           RCHA CTIDN
02341 0766 00 0 01361           WPRA 1          SPACE
02342 0020 00 4 00001           TRA 1,4        RETURN TO MAIN PROGRAM

02343 0000 00 0 00000           HTR 0          PROGRAM PROTECT - I-O DISC

02344 0000 30 0 02345   CTIDN  IOCD PRIDN,0,24
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* PRINT FIELDS

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*IMAGE - NOW PREFORMING DIAGNOSTIC TEST 9T02

02345	+002241004010	PRIDN	OCT +002241004010	9 ROW LEFT
02346	+000000000000		OCT +0	9 ROW RIGHT
02347	+000000000000		OCT +000000000000	8 L
02350	+000000000000		OCT +0	
02351	+010010200000		OCT +010010200000	7 L
02352	+000000000000		OCT +0	
02353	+141400040000		OCT +141400040000	6 L
02354	+000000000000		OCT +0	
02355	+204020100200		OCT +204020100200	5 L
02356	+000000000000		OCT +0	
02357	+000102000000		OCT +000102000000	4 L
02360	+000000000000		OCT +0	
02361	+000000012444		OCT 0000000012444	3 L
02362	+000000000000		OCT +0	
02363	+000000020101		OCT +000000020101	2 L
02364	+000000000000		OCT +0	
02365	+000000400000		OCT +000004000009	1 L
02366	+000000000000		OCT +0	
02367	+040000030546		OCT +040000030546	0 L
02370	+000000000000		OCT +0	
02371	+312720140000		OCT +312720140000	11 L
02372	+000000000000		OCT +0	
02373	+005053606200		OCT +005053606200	12 L
02374	+000000000000		OCT +0	

* IMAGE --

*PASS COMPLETE - CHN A	TF 1			
02375	+000000000000	PTA	OCT 000000000000	9 ROW LEFT
02376	+000000000000		OCT 000000000000	9 ROW RIGHT
02377	+000001000000		OCT 000001000000	8 L
02400	+000000000000		OCT 000000000000	8 R
02401	-001000000000		OCT 401000000000	7 L
02402	+000000000000		OCT 000000000000	7 R
02403	+004000004000		OCT 004000004000	6 L
02404	+000000000000		OCT 000000000000	6 R
02405	+000240400000		OCT 000240400000	5 L
02406	+000000000000		OCT 000000000000	5 R
02407	+002000000000		OCT 002000000000	4 L
02410	+000000000000		OCT 000000000000	4 R
02411	+010502010000		OCT 010502010000	3 L
02412	+000000000000		OCT 000000000000	3 R
02413	+140000000000		OCT 140000000000	2 L
02414	+000000000000		OCT 000000000000	2 R
02415	+200000101000		OCT 200000101000	1 L
02416	+000000000000		OCT 000000000000	1 R
02417	+140100010000		OCT 140100010000	0 L
02420	+000000000000		OCT 000000000000	0 R
02421	-007410400000		OCT 407410400000	11 L
02422	+000000000000		OCT 000000000000	11 R
02423	+210243104000		OCT 210243104000	12 L
02424	+000000000000		OCT 000000000000	12 R

* IMAGE --

*PASS COMPLETE - CHN B TF 1

*
*

02425	+000000000000	PTB	OCT 000000000000	9 ROW LEFT
02426	+000000000000		OCT 000000000000	9 ROW RIGHT
02427	+000001000000		OCT 000001000000	8 L
02430	+000000000000		OCT 000000000000	8 R
02431	-001000000000		OCT 401000000000	7 L
02432	+000000000000		OCT 000000000000	7 R
02433	+004000004000		OCT 004000004000	6 L
02434	+000000000000		OCT 000000000000	6 R
02435	+000240400000		OCT 000240400000	5 L
02436	+000000000000		OCT 000000000000	5 R
02437	+002000000000		OCT 002000000000	4 L
02440	+000000000000		OCT 000000000000	4 R
02441	+010502010000		OCT 010502010000	3 L
02442	+000000000000		OCT 000000000000	3 R
02443	+140000100000		OCT 140000100000	2 L
02444	+000000000000		OCT 000000000000	2 R
02445	+200000001000		OCT 200000001000	1 L
02446	+000000000000		OCT 000000000000	1 R
02447	+140100010000		OCT 140100010000	0 L
02450	+000000000000		OCT 000000000000	0 R
02451	-007410400000		OCT 407410400000	11 L
02452	+000000000000		OCT 000000000000	11 R
02453	+210243104000		OCT 210243104000	12 L
02454	+000000000000		OCT 000000000000	12 R

* IMAGE --

*PASS COMPLETE - CHN C TF 1

02455	+000000000000	PTC	OCT 000000000000	9 ROW LEFT
02456	+000000000000		OCT 000000000000	9 ROW RIGHT
02457	+000001000000		OCT 000001000000	8 L
02460	+000000000000		OCT 000000000000	8 R
02461	-001000000000		OCT 401000000000	7 L
02462	+000000000000		OCT 000000000000	7 R
02463	+004000004000		OCT 004000004000	6 L
02464	+000000000000		OCT 000000000000	6 R
02465	+000240400000		OCT 000240400000	5 L
02466	+000000000000		OCT 000000000000	5 R
02467	+002000000000		OCT 002000000000	4 L
02470	+000000000000		OCT 000000000000	4 R
02471	+010502110000		OCT 010502110000	3 L
02472	+000000000000		OCT 000000000000	3 R
02473	+140000000000		OCT 140000000000	2 L
02474	+000000000000		OCT 000000000000	2 R
02475	+200000001000		OCT 200000001000	1 L
02476	+000000000000		OCT 000000000000	1 R
02477	+140100010000		OCT 140100010000	0 L
02500	+000000000000		OCT 000000000000	0 R
02501	-007410400000		OCT 407410400000	11 L
02502	+000000000000		OCT 000000000000	11 R
02503	+210243104000		OCT 210243104000	12 L
02504	+000000000000		OCT 000000000000	12 R

* IMAGE --

*PASS COMPLETE - CHN D TF 1

02505	+000000000000	PTD	OCT 000000000000	9 ROW LEFT
02506	+000000000000		OCT 000000000000	9 ROW RIGHT
02507	+000001000000		OCT 000001000000	8 L
02510	+000000000000		OCT 000000000000	8 R

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*

02511	-0010000000000	OCT	4010000000000	7	L
02512	+0000000000000	OCT	0000000000000	7	R
02513	+0040000004000	OCT	0040000004000	6	L
02514	+0000000000000	OCT	0000000000000	6	R
02515	+0002404000000	OCT	0002404000000	5	L
02516	+0000000000000	OCT	0000000000000	5	R
02517	+0020001000000	OCT	0020001000000	4	L
02520	+0000000000000	OCT	0000000000000	4	R
02521	+0105020100000	OCT	0105020100000	3	L
02522	+0000000000000	OCT	0000000000000	3	R
02523	+1400000000000	OCT	1400000000000	2	L
02524	+0000000000000	OCT	0000000000000	2	R
02525	+2000000010000	OCT	2000000010000	1	L
02526	+0000000000000	OCT	0000000000000	1	R
02527	+1401000100000	OCT	1401000100000	0	L
02530	+0000000000000	OCT	0000000000000	0	R
02531	-0074104000000	OCT	4074104000000	11	L
02532	+0000000000000	OCT	0000000000000	11	R
02533	+2102431040000	OCT	2102431040000	12	L
02534	+0000000000000	OCT	0000000000000	12	R

* IMAGE --

*PASS COMPLETE - CHN E	TF 1				
	PTE	OCT	0000000000000	9	ROW LEFT
02535	+0000000000000	OCT	0000000000000	9	ROW RIGHT
02536	+0000000000000	OCT	0000010000000	8	L
02537	+0000010000000	OCT	0000000000000	8	R
02540	+0000000000000	OCT	4010000000000	7	L
02541	-0010000000000	OCT	0000000000000	7	R
02542	+0000000000000	OCT	0040000004000	6	L
02543	+0040000004000	OCT	0000000000000	6	R
02544	+0000000000000	OCT	0002405000000	5	L
02545	+0002405000000	OCT	0000000000000	5	R
02546	+0000000000000	OCT	0020000000000	4	L
02547	+0020000000000	OCT	0000000000000	4	R
02550	+0000000000000	OCT	0105020100000	3	L
02551	+0105020100000	OCT	0000000000000	3	R
02552	+0000000000000	OCT	1400000000000	2	L
02553	+1400000000000	OCT	0000000000000	2	R
02554	+0000000000000	OCT	2000000010000	1	L
02555	+2000000010000	OCT	0000000000000	1	R
02556	+0000000000000	OCT	1401000100000	0	L
02557	+1401000100000	OCT	0000000000000	0	R
02560	+0000000000000	OCT	4074104000000	11	L
02561	-0074104000000	OCT	0000000000000	11	R
02562	+0000000000000	OCT	2102431040000	12	L
02563	+2102431040000	OCT	0000000000000	12	R
02564	+0000000000000	OCT			

* IMAGE --

*PASS COMPLETE - CHN F	TF 1				
	PTF	OCT	0000000000000	9	ROW LEFT
02565	+0000000000000	OCT	0000000000000	9	ROW RIGHT
02566	+0000000000000	OCT	0000010000000	8	L
02567	+0000010000000	OCT	0000000000000	8	R
02570	+0000000000000	OCT	4010000000000	7	L
02571	-0010000000000	OCT	0000000000000	7	R
02572	+0000000000000	OCT	0040001040000	6	L
02573	+0040001040000	OCT	0000000000000	6	R
02574	+0000000000000	OCT			

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02575	+000240400000	OCT	000240400000	5	L
02576	+000000000000	OCT	000000000000	5	R
02577	+002000000000	OCT	002000000000	4	L
02600	+000000000000	OCT	000000000000	4	R
02601	+010502010000	OCT	010502010000	3	L
02602	+000000000000	OCT	000000000000	3	R
02603	+140000000000	OCT	140000000000	2	L
02604	+000000000000	OCT	000000000000	2	R
02605	+200000001000	OCT	200000001000	1	L
02606	+000000000000	OCT	000000000000	1	R
02607	+140100010000	OCT	140100010000	0	L
02610	+000000000000	OCT	000000000000	0	R
02611	-007410400000	OCT	407410400000	11	L
02612	+000000000000	OCT	000000000000	11	R
02613	+210243104000	OCT	210243104000	12	L
02614	+000000000000	OCT	000000000000	12	R

*IMAGE - PASS COMPLETE CHANNELS A AND B

02615	+000000000000	PTAB	OCT	+000000000000	9	ROW LEFT
02616	+000000000000		OCT	+0	9	ROW RIGHT
02617	+000004000000		OCT	+000004000000	8L	
02620	+000000000000		OCT	+0		
02621	-001000000000		OCT	-001000000000	7L	
02622	+000000000000		OCT	+0		
02623	+004000000000		OCT	+004000000000	6L	
02624	+000000000000		OCT	+0		
02625	+000241601000		OCT	+000241601000	5L	
02626	+000000000000		OCT	+0		
02627	+002000000400		OCT	+002000000400	4L	
02630	+000000000000		OCT	+0		
02631	+010510100000		OCT	+010510100000	3L	
02632	+000000000000		OCT	+0		
02633	+140000040100		OCT	+140000040100	2L	
02634	+000000000000		OCT	+0		
02635	+200002012000		OCT	+200002012000	1L	
02636	+000000000000		OCT	+0		
02637	+140100040000		OCT	+140100040000	0L	
02640	+000000000000		OCT	+0		
02641	-007401501000		OCT	-007401501000	11L	
02642	+000000000000		OCT	+0		
02643	+210256212500		OCT	+210256212500	12L	
02644	+000000000000		OCT	+0		

*IMAGE - PASS COMPLETE CHANNELS C AND D

02645	+000000000000	PTCD	OCT	+000000000000	9	ROW LEFT
02646	+000000000000		OCT	+0	9	ROW RIGHT
02647	+000004000000		OCT	+000004000000	8L	
02650	+000000000000		OCT	+0		
02651	-001000000000		OCT	-001000000000	7L	
02652	+000000000000		OCT	+0		
02653	+004000000000		OCT	+004000000000	6L	
02654	+000000000000		OCT	+0		
02655	+000241601000		OCT	+000241601000	5L	
02656	+000000000000		OCT	+0		
02657	+002000000500		OCT	+002000000500	4L	
02660	+000000000000		OCT	+0		
02661	+010510110000		OCT	+010510110000	3L	
02662	+000000000000		OCT	+0		

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02663 +140000040000 OCT +140000040000 2L
02664 +000000000000 OCT +0
02665 +200002002000 OCT +200002002000 1L
02666 +000000000000 OCT +0
02667 +140100040000 OCT +140100040000 0L
02670 +000000000000 OCT +0
02671 -007401501000 OCT -007401501000 11L
02672 +000000000000 OCT +0
02673 +210256212500 OCT +210256212500 12L
02674 +000000000000 OCT +0

*IMAGE - PASS COMPLETE CHANNELS E AND F

02675 +000000000000 PTEF OCT +000000000000 9 ROW LEFT
02676 +000000000000 OCT +0 9 ROW RIGHT
02677 +000004000000 OCT +000004000000 8L
02700 +000000000000 OCT +0
02701 -001000000000 OCT -001000000000 7L
02702 +000000000000 OCT +0
02703 +004000000100 OCT +004000000100 6L
02704 +000000000000 OCT +0
02705 +000241611000 OCT +000241611000 5L
02706 +000000000000 OCT +0
02707 +002000000400 OCT +002000000400 4L
02710 +000000000000 OCT +0
02711 +010510100000 OCT +010510100000 3L
02712 +000000000000 OCT +0
02713 +140000040000 OCT +140000040000 2L
02714 +000000000000 OCT +0
02715 +200002002000 OCT +200002002000 1L
02716 +000000000000 OCT +0
02717 +140100040000 OCT +140100040000 0L
02720 +000000000000 OCT +0
02721 -007401501000 OCT -007401501000 11L
02722 +000000000000 OCT +0
02723 +210256212500 OCT +210256212500 12L
02724 +000000000000 OCT +0

*9T02 PASS COMPLETE - ALL UNITS CALLED

* IMAGE --

* PRINT --

*9T02 PASS COMPLETE - ALL UNITS CALLED

02725 -000000000100 AUC OCT 400000000100 9 ROW LEFT
02726 +000000000000 OCT 000000000000 9 ROW RIGHT
02727 +000000000000 OCT 000000000000 8 L
02730 +000000000000 OCT 000000000000 8 R
02731 +002004000000 OCT 002004000000 7 L
02732 +000000000000 OCT 000000000000 7 R
02733 +000020000000 OCT 000020000000 6 L
02734 +000000000000 OCT 000000000000 6 R
02735 +000001200200 OCT 000001200200 5 L
02736 +200000000000 OCT 200000000000 5 R
02737 +000010000400 OCT 000010000400 4 L
02740 +100000000000 OCT 100000000000 4 R
02741 +200042406045 OCT 200042406045 3 L
02742 -000000000000 OCT 400000000000 3 R
02743 +040600000020 OCT 040600000020 2 L
02744 +000000000000 OCT 000000000000 2 R
02745 +001000010002 OCT 001000010002 1 L

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02746	+000000000000		OCT	000000000000	1 R
02747	+300600400460		OCT	300600400460	0 L
02750	+000000000000		OCT	000000000000	0 R
02751	+002036046201		OCT	002036046201	11 L
02752	-000000000000		OCT	400000000000	11 R
02753	+001041210106		OCT	001041210106	12 L
02754	+300000000000		OCT	300000000000	12 R
02755	+000000743450	MIANB	OCT	000000743450	EXCL TU2
02756	0766 00 0 02221	WTBB1	WTBB	1	
02757	-076000002000	ETTB	OCT	-076000002000	
02760	-076000001000	ETTA	OCT	-076000001000	
02761	+000000443430	ENF	OCT	000000443430	
02762	+000000243430	CND	OCT	000000243430	
02763	-000000743430	ANB	OCT	-000000743430	
02764	+000100000000	CONST	OCT	000100000000	
	06504	ERROR	EQU	3396	
	06511	OK	EQU	3401	
	06560	RDNCK	EQU	3440	
	06557	RECNO	EQU	3439	
	06556	WDNO	EQU	3438	
02765	0020 00 0 00030	POST	TRA	INIT-1	
02766	+000000000000	CHKA	OCT	0	
02767	+003100000045	FIX1	OCT	003100000045	
02770	0766 00 0 01222	WTBA2	WTBA	2	
02771	0766 00 0 01221	WTBA1	WTBA	1	
02772	0762 00 0 01321	RCDA	RCDA		
02773	0762 00 0 01220	RTBA	RTBA		
02774	+000000000000	FINL1	OCT	0	
02775	+000000000000	SAVE1	OCT	0	
02776	+000000000000	SAVE2	OCT	0	
02777	+000000000000	SAVE3	OCT	0	
	05500		ORG	2880	
05500	-000000743430		OCT	-000000743430	
05501	+000000243430		OCT	000000243430	
05502	+000000443430		OCT	000000443430	
	05500	CTRL1	EQU	2880	
	05501	CTRL2	EQU	2881	
	05502	CTRL3	EQU	2882	
	05503	IOCT	EQU	2883	
	05504	CTRA	EQU	2884	
	05505	CTRB	EQU	2885	
	05506	CTRC	EQU	2886	
	05507	CTRD	EQU	2887	
	05510	CTRE	EQU	2888	
	05511	CTRF	EQU	2889	
	05512	CTX	EQU	2890	
	05513	IOCNT	EQU	2891	
	05514	IOC	EQU	2892	
	00000		END		

EOF*