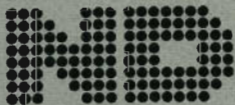




~~Fatal Error~~ Routine Addresses
SINTRAN III/VSX
ND-820059EN1



NorskData

SINTRAN III/VSX
Fatal Error Routine Addresses
ND-820059EN1

PREFACE

The Manual

This manual lists the routine addresses used when a fatal error occurs in SINTRAN III (calls to ERRFATAL).

The Manual is intended for internal use by Norsk Data only.

The Reader

The manual is intended for service personnel in Norsk Data.

The Product

SINTRAN III/VSX	version L	standard configuration A	ND-250304L07
SINTRAN III/VSX	version L	standard configuration B	ND-250305L07
SINTRAN III/VSX	version M	standard configuration A	ND-250304M05
SINTRAN III/VSX	version M	standard configuration B	ND-250305M05

Related Documentation

SINTRAN III Release Information, M-version	ND-860230.7
SINTRAN III Release Information, L-version	ND-860230.6
SINTRAN III/VSX System Documentation	ND-820023
SINTRAN III/VSX Listings, M-version	
SINTRAN III/VSX Listings, L-version	

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1. INTRODUCTION

When a fatal error occurs in SINTRAN III, the routine ERRFATAL is called, and the following message is written to the error device (or console terminal):

```
System Malfunction. SINTRAN halt in ERRFATAL, L-reg: xxxxxx  
Current page index tables (NPIT/APIT): yy / zz  
Level: ww
```

Some further information if ERRFATAL was called from level 14.

On the following pages, you will find lists of which routine in SINTRAN called ERRFATAL, based on the given PIT (NPIT = Normal PIT) and L-register contents (address of the call to ERRFATAL).

The lists are sorted on PIT number.

All addresses are octal numbers.

The routine addresses are given for the standard configurations A and B for both the L- and M-versions of SINTRAN III/VSX.

2. COMMON (NPIT = 0, 4, 5, 6, 10, 11, 12, 15)

COMMON NPIT = 0, 4, 5, 6, 10, 11, 12, 15

L-version		M-version		Routine	Description
Std. A	Std. B	Std. A	Std. B		
002615	002615			GACTPR	Unexpected return from monitor level => CPU fail
005022	005022	005654	005654	MXRET	Unexpected return from monitor level => CPU fail
010231	010231	011073	011073	FFPCA	Failed to find bit set in word => CPU fail
010271	010271	011133	011133	FLPCA	Failed to find bit set in word => CPU fail or SINTRAN overwritten
010320	010320	011156	011156	CXULOC	Unlock called when not locked
010362	010362	011230	011230	RET	Unexpected return from monitor level => CPU fail
010422	010422	011274	011274	LOGPH	Open file table must be accessed with ION
010455	010455	011327	011327	RESERV	Data field not defined (no such unit)
010466	010466	011340	011340	RELEASE	Data field not defined (no such unit)
010524	010524	011376	011376	XUNLOCK	Data field not defined (no such unit)
010540	010540	011412	011412	XUNLOCK	Data field not defined (no such unit)
010623	010623	011475	011475	BRELEA5E	Illegal data field address
010630	010630	011502	011502	BRELEA5E	Reserved but RITES = 0 => SINTRAN overwritten
010634	010634	011506	011506	BRELEA5E	Not reserved by specified program => SINTRAN overwritten
010764	010764	011662	011662	TOMQU	No RT-program specified => SINTRAN overwritten
011110	011110	012006	012006	RTENTRY	No RT-program specified => SINTRAN overwritten
011654	011654	012560	012560	RSATERM	No RT-program specified => SINTRAN overwritten
013300	013300	014300	014300	GETDATAFIEL	Data field not defined
017332	017332	021074	021074	IT0500XQ	Illegal RT-description address
022606	022625	024266	024305	X5DCN	ND-500/5000 execution queue is destroyed
023203	023222	024663	024702	INW5ST	GCPUDF error exit, cannot find ND-500/5000 memory
023413	023432	025126	025145	PHLOG	GCPUDF error exit, cannot find ND-500/5000 memory
026561	026646	026646	026646	GETOUT	Logical unit number not found
026575	026662	026662	026662	T010Q	No disk queue element to link out
026745	026732	026732	026732	ST10L	Error in disk queue element link
026701	026766	026766	026766	ST11L	Link not zero when starting level 10
026726	027013	027013	027013	ST12L	Link not zero when starting level 11
026753	027040	027040	027040	DIALO	Link not zero when starting level 12
027355	027442	027457	027457		Illegal RT-program address in MON PERFO

NPIT = 0, 4, 5, 6, 10, 11, 12, 15

COMMON

L-version		M-version		Routine	Description
Std. A	Std. B	Std. A	Std. B		
034145	034145	034155	034155	SETPTABL	WGLOBAL / RGLOBAL instruction failed => CPU fault
034151	034151	034161	034161	SETPTABL	WGLOBAL / RGLOBAL instruction failed => CPU fault
034155	034155	034165	034165	SETPTABL	WGLOBAL / RGLOBAL instruction failed => CPU fault
035551	035551	035566	035566	LOCOSTORE	Mismatch CPU / micro-coded segment administration => CPU fault
035560	035560	035575	035575	LOCOSTORE	Mismatch CPU / micro-coded segment administration => CPU fault
035723	035723	035740	035740	LOCOSTORE	Error message error in CPU control store RAM => CPU fault
042004	042072	042025	042113	TMMAP	No more pages in memory map?
042076	042164	042117	042205	TMMAP	Invalid logical unit number in IOBUTAB
042111	042177	042132	042214	TMMAP	Invalid logical unit number in Logical table
042141	042227	042162	042250	TMMAP	Invalid logical unit number
042151	042237	042172	042260	TMMAP	Unexpected internal interrupt => Wrong CPU
042157	042245	042200	042266	TMMAP	Unexpected internal interrupt => Wrong MMS II
042466	042554	042507	042575	TMMAP	Illegal disk format or disk type
042520	042606	042541	042627	TMMAP	Wrong disk type. Error return from disk driver
042543	042631	042564	042652	TMMAP	Cannot read from disk. Not ND-100 / ND-110 / ND-120
042576	042664	042617	042705	SINTR	This system is only for ND-100! Paging system fault => CPU fault
042625	042713	042646	042734	SINTR	P-register on level 0 not incremented by level 14 => CPU fault
042651	042737	042672	042760	SINTR	Must be ND-100/CX, ND-110/CX or ND-120/CX => CPU fault
043154	043242	043175	043263	SINTR	Overflow defining register blocks for RT-desc. => SINTRAN too big
043160	043246	043201	043267	SINTR	Overlap with global data, overlap with patch => SINTRAN too big
043700	043766	043721	044007	SINTR	I/O buffer area cross memory bank border => SINTRAN too big
044050	044136	044071	044157	SINTR	HDLIC buffer exceeds memory => Decrease buffer size
044062	044150	044103	044171	SINTR	Synchronous modem buffer exceeds memory => Decrease buffer size
044233	044321	044254	044342	SINTR	PIOC memory starts on odd bank number => Reconfigure memory
044301	044367	044322	044410	SINTR	Cannot allocate memory for RT-COMMON
044352	044440	044373	044461	SINTR	RT-COMMON pages are not in memory
044426	044514	044447	044535	SINTR	Disk transfer error => Possibly write protection
044513	044601	044534	044622	SINTR	Disk transfer error while copying from SINTRAN save area
044516	044604	044537	044625	SINTR	Disk transfer error while copying to SINTRAN image area
044535	044623	044556	044644	SINTR	Illegal main swap device type
044571	044657	044612	044700	SINTR	Illegal Logical device for main swap device

COMMON	L-version		M-version		Routine	Description
	Std. A	Std. B	Std. A	Std. B		
044626	044714	044653	044741	SINTR	Illegal sector size for main swap device	
044700	044766	044725	045013	SINTR	Error reading format of main swap device	
044741	045027	044766	045054	SINTR	Cannot find memory area for disk transfers	
045714	046002	045642	045730	SINTR	Disk bootstrap is big	
045745	046033	045757	046044	SINTR	Memory for memory map not found => Memory fault	
046053	046141	046203	046121	SINTR	Memory for logical number tables not found => Memory fault	
046072	046160	046222	046310	SINTR	Memory for extended COMMON not found => Memory fault	
046115	046203	046245	046333	SINTR	Memory for RPIT not found => Memory fault	
046140	046226	046270	046356	SINTR	Memory for MPIT not found => Memory fault	
046155	046243	046305	046373	SINTR	Memory for IPIT not found => Memory fault	
046171	046257	046321	046407	SINTR	Memory for segment 42 (S3ED) not found => Memory fault	
046205	046273	046335	046423	SINTR	Memory for I/O buffers not found => Memory fault	
046216	046304	046346	046434	SINTR	Memory for RT's SYSTEM segment not found => Memory fault	
046265	046353	046415	046503	SINTR	Memory for SPLIT not found => Memory fault	
046335	046423	046465	046553	SINTR	Memory for device buffers not found => MPM memory fault	
046477	046565	046627	046715	SINTR	Memory for spare track transfer buffers not found => Memory fault	
046543	046631	046673	046761	SINTR	Memory for ND-100 microprogram not found => Memory fault	
046550	046636	046700	046766	SINTR	System LAMU tables too large => SINTRAN configuration	
046642	046730	046772	047060	SINTR	Memory for LAMU tables not found => Memory fault	
046665	046753	047015	047103	SINTR	Memory for monitor call log table not found => Memory fault	
046765	047053	047115	047203	SINTR	Memory for Synchronous modem buffers not found => Memory fault	
047073	047161	047223	047311	SINTR	Memory for HDLC buffers not found => Memory fault	
047151	047233	047301	047367	SINTR	Memory for segment table not found => Memory fault	
047565	047653	047715	050003	SINTR	Memory for error device buffer not found => Memory fault	
047571	047657	047721	050007	SINTR	Too many pages needed for terminal data fields => SINTRAN config.	
050023	050111	050153	050241	SINTR	Memory for terminal data fields not found => Memory fault	
050206	050274	050336	050424	SINTR	Memory for TAD data fields not found => Memory fault	
050227	050315	050357	050445	SINTR	Memory for page-owner table (MON SPLREE) not found => Memory fault	
050254	050342	050404	050472	SINTR	Error in computing size of background table	

COMMON	L-version		M-version		Routine	Description
	Std. A	Std. B	Std. A	Std. B		
	050267	050355	050417	050505	SINTR	Memory for background table not found => Memory fault
	050317	050405	050447	050535	SINTR	Error in computing size of background ?
	050415	050503	050545	050633	SINTR	Memory for spooling not found => Memory fault or SINTRAN config.
	050544	050632	050674	050762	SINTR	Memory for cache inhibit bit map not found => Memory fault
	051077	051165	051227	051313	SINTR	Memory for SCSI not found => Memory fault
	051122	051210	051252	051340	SINTR	Illegal return from DISCACHE - illegal area specified
	051442	051530	051572	051660	SINTR	Memory for Account./Log facility/Histog. not found => Memory fault
	051544	051632	051674	051762	SINTR	Memory for RT-prog. mon.call work field not found => Memory fault
	054603	054671	054726	055010	SINTR	Illegal terminal buffer sizes => CHANGE-BUFFER-SIZE used ?
	054614	054702	054737	055025	SINTR	Illegal logical unit number in IOBUTAB
	054725	055013	055050	055136	SINTR	Run off end of logical unit number table
	056113	056201	056236	056324	MAKETDFS	Not terminal data field
	056516	056604	056641	056723	MAKETDFS	Not terminal data field
	057077	057165	057222	057310	MAKETDFS	Not TAD data field
	057214	057302	057337	057425	MAKETDFS	Not TAD data field
	061004	061072	060765	061053	MAKETDFS	Memory map element not found
	061020	061106	061001	061066	MAKETDFS	Inconsistent memory map
	061025	061113	061006	061074	MOU TLINKL	Inconsistent memory map
	061315	061403	061276	061364	MOU TLINKL	Unexpected internal interrupt (Level 14D) => CPU fault
	063477	063565	063527	063557	OCSTART	Memory for Octobus buffer pool not found => Memory fault
	063610	063676	063640	063670	NUCST	Memory for Nucleus abort table not found => Memory fault

RPIT		NPIT = 10		M-version		Routine	Description
L-version	Std. A	Std. B	Std. A	Std. B			
110270	110167		111157	111056	EXABS	Impossible to reserve MON ABSTR data field	
111452	111351		112345	112244	UDMA	Impossible to release device buffer	
111714	111613		112607	112506	UDTMO	GCPUDF error exit, cannot find ND-500/5000 memory	
112416	112325		113315	113224	DILRT	Unexpected return from CPU	
112471	112400		113370	113277	DILRT	Unexpected return from CPU	
126474	126632		127333	127471	5SWRT	Impossible to reserve ND-500/5000 process 0	
126617	126755		127456	127614	5SWRT	GCPUDF error exit, cannot find ND-500/5000 memory	
127371	127527		130247	130405	N500SCHEDUL	GCPUDF error exit, cannot find ND-500/5000 memory	
130402	130540		131440	131576	XIBMOVE	GCPUDF error exit, cannot find ND-500/5000 memory	
130406	130544		131444	131602	XIBMOVE	GCPUDF error exit, cannot find ND-500/5000 memory	
130435	130573		131473	131631	XIBMOVE	GCPUDF error exit, cannot find ND-500/5000 memory	
131044	131202		132102	132240	XCLEAN	GCPUDF error exit, cannot find ND-500/5000 memory	

4. SPIT (NPIT = 11)

SPIT

NPIT = 11

L-version		M-version		Routine	Description
Std. A	Std. B	Std. A	Std. B		
030014	030014	030014	030014	SIMINBT	Illegal logical device number for error device
030070	030070	030070	030070	SRTERR	Impossible to reserve logical device for ND-500/5000
030604	030604	030604	030604	RERR	Impossible to read from segment
030641	030641	030641	030641	RERR	Impossible to write to segment
030651	030651	030651	030651	RERR	Impossible to write to segment
030656	030656	030656	030656	RERR	Impossible to write to segment
030670	030670	030670	030670	RERR	Impossible to write to segment
030751	030751	030751	030751	RERR	Impossible to write to segment
031001	031001	031001	031001	XERPRINT	Impossible to write to segment
031006	031006	031006	031006	XERPRINT	Impossible to read from segment
031017	031017	031017	031017	XERPRINT	Impossible to read from segment
031071	031071	031071	031071	XERPRINT	Impossible to read from segment
031132	031132	031132	031132	XERPRINT	Impossible to read from segment
042111	042111	042257	042257	9ENTOPCOM	Illegal RT-description address
042145	042145	042313	042313	9ENTOPCOM	Unexpected return from monitor level
042154	042154	042322	042322	9ENTOPCOM	Illegal logical device number terminal / TAD / MTAD
051061	051061	051263	051263	SMGFINFO	Corrupted open file table
051127	051127	051331	051331	SMGFINFO	Corrupted data in name table
051274	051274	051476	051476	SMGFINFO	Corrupted data in directory table
052024	052024	052226	052226	DEFSGFI	Impossible to read from segment
052042	052042	052232	052232	DEFSGFI	Impossible to read from segment
052147	052147	052244	052244	DEFSGFI	Impossible to read from segment
052163	052163	052351	052351	DEFSGFI	Impossible to write to segment
052175	052175	052365	052365	DEFSGFI	Impossible to write to segment
052451	052451	052377	052377	DEFSGFI	Impossible to write to segment
114731	114731	052653	052653	DEFSGFI	Corrupted data in background table
050450	050450	056277	056277	ERRS	Illegal background state (wrong BSTATE) => data field overwritten
067644	067644	075614	075614	RSCOLDSTART	Impossible to read from segment 5
073745	073745	102151	102151	SETERROR	Impossible to read from segment 44

SPIT		NPIT = 11		Routine	Description
L-version	M-version	Std. A	Std. B		
073750	073750	102154	102154	SETERROR	Impossible to write to segment 44
073754	073754	102160	102160	SETERROR	Impossible to read from segment 5
073775	073775	102201	102201	SETERROR	Illegal logical device number
074013	074013	102217	102217	SETERROR	Impossible to read from segment 44
074016	074016	102222	102222	SETERROR	Impossible to write to segment 44
074023	074023	102227	102227	SETERROR	Impossible to write to segment 5
074033	074033	102237	102237	SETERROR	Impossible to read from segment 44
074045	074045	102251	102251	SETERROR	Impossible to write to segment 2
074053	074053	102257	102257	SETERROR	Impossible to write to segment 44
074114	074114	102320	102320	GETERROR	Impossible to read from segment 5
074762	074762	103153	103153	OPERATOR	Impossible to read from segment 5
075065	075065	103256	103256	WFOPERATOR	Impossible to read from segment 5
077715	077715	106102	106102	ERINIT	Impossible to write to segment 11
105433	105433	113635	113635	OLDSTART	Illegal logical device number for start program
105464	105464	113666	113666	OLDSTART	Error when fixing area for start program
105573	105573	113775	113775	OLDSTART	Impossible to write to segment 47
105604	105604	114006	114006	OLDSTART	Impossible to write to system segment
105615	105615	114017	114017	OLDSTART	Impossible to write to system segment
105705	105705	114107	114107	OLDSTART	Impossible to write to system segment
105711	105711	114113	114113	OLDSTART	Impossible to write to system segment
105725	105725	114127	114127	OLDSTART	Impossible to write to system segment
105732	105732	114134	114134	OLDSTART	Impossible to write to system segment 47
105752	105752	114154	114154	OLDSTART	Impossible to write to DMAC segment 7
105760	105760	114162	114162	OLDSTART	Impossible to write to file-user segment 22
106030	106030	114232	114232	OLDSTART	Impossible to write to file-user segment 22
106036	106036	114240	114240	OLDSTART	Impossible to write to COSMOS-TAD segment 36
106135	106135	114337	114337	OLDSTART	Impossible to write to COSMOS-TAD segment 36
106170	106170	114372	114372	MOVYSEG	Impossible to write to segment 2 (S3IMAGE)
107532	107532	115734	115734	MOVYSEG	Impossible to write to segment RPIT 47
107562	107562	115764	115764	MOVYSEG	Impossible to read from segment 5
107573	107573	115775	115775	MOVYSEG	Impossible to write to system segment
					Impossible to write to ADP segment

SPIT		NPIT = 11		M-version		Routine	Description
L-version	Std. A	Std. B	Std. A	Std. B			
110434	110434		116636	116636	MOVSYSEG	Impossible to write to ADP segment	
111173	111173		117375	117375	WTRANS	Impossible to write to segment 27	
111273	111273		117475	117475	INBRPROG	Error in allocate device buffer	
111362	111362		117564	117564	INBRPROG	Impossible to write to segment RPIT 47	
111367	111367		117571	117571	INBRPROG	Impossible to write to segment RPIT 47	
111504	111504		117706	117706	COPCOM	OPCOM legal only on ND-100 CPU	
114737	114737		120040	120040	ISYSEG	Impossible to reserve a device buffer	
114761	114761		120046	120046	ISYSEG	Impossible to release a device buffer	
			120070	120070	ISYSEG	Impossible to release a device buffer	
120044	120044		126275	126275	TAPEFU	Error when releasing device buffer	
120544	120544		126775	126775	TAPEFU	Error when releasing device buffer	
120733	120733		127145	127145	TMTIMUS	Impossible to read CPU time from system segment	
120740	120740		127152	127152	TMTIMUS	Impossible to read CPU time from system segment	

5. MPIT (NPIT = 12)

MPIT		NPIT = 12		M-version		Routine	Description
L-version	Std. A	Std. B	Std. A	Std. B			
034047	034047	034257	034257	034257	ABSTR	Device number is zero (T-register on level 1 = 0)	
034375	034375	035025	035025	035024	PPAGEFAULT	Illegal return from CPU => CPU fault	
034622	034622	035252	035252	035252	WREENT	Should not come here if standard or CX CPU	
035146	035146	035576	035576	035576	WREENT	Logical unit of segment file disk = 0	
036314	036314	036744	036744	036744	IDREST	Restart process on wrong level	
044645	044645	045234	045234	045234	SETDEV	Process identification in Nucleus is illegal	
044662	044662	045266	045266	045266	SETDEV	Illegal process number to restart (connected to Nucleus port)	
045365	045365	046021	046021	046021	NRDELAY	GCPUDF error exit. Cannot find ND-500/5000 memory	
050323	050323	050721	050721	050721	5NUREL	ND-500/5000 process is aborted, release Nucleus resources if any	
053376	053376	054023	054023	054023	IMTRI	Input data field of internal device = 0. Illegal device number	
053416	053416	054043	054043	054043	IMTRI	Input data field of internal device = 0. Illegal device number	
053521	053521	054151	054151	054151	IMTRO	Input data field of internal device = 0. Illegal device number	
054611	054767	055243	055243	055241	COSPS	Illegal return from CPU => CPU fault	
057543	057721	060154	060332	060332	TFINPUT	Wait for restart, Telefix terminal input	
060473	060651	061045	061222	061222	TFECHO	Leave level 10, Telefix terminal input	
071601	071757	072573	072427	072427	ENT14	Page fault in buffer window	
071617	071775	072611	072445	072445	ENT14	Page fault in terminal window	
071635	072013	072627	072463	072463	ENT14	Page fault in ND-500/5000 window	
071651	072027	072643	072477	072477	ENT14	Page fault on MLEVL only in windows	
071661	072037	072653	072507	072507	ENT14	Illegal with page fault on level 4 caused by RT-program	
072116	072316	073110	072766	072766	NOMONCALL	Illegal internal interrupt code => CPU fault	
072140	072340	073132	073010	073010	NOMONCALL	Illegal internal interrupt code => CPU fault	
072476	072676	073543	073421	073421	NOMONCALL	DMA-error in ND-100 bus => CPU fault	
072567	072767	073634	073512	073512	TDITLEV	Fatal internal error on illegal level => CPU fault	
072744	073144	074011	073667	073667	GETFREE	Disk queue element in free-pool is reserved	
072763	073163	074030	073706	073706	PUTFREE	Disk queue element to put in free-pool is reserved	
073032	073232	074077	073755	073755	STRNS	No more disk queue elements	
073041	073241	074106	073764	073764	STRNS	Disk queue element reserved by another	
073275	073475	074342	074220	074220	BDMTR	PIT number for parameters = 0. Swapping is illegal	

MPIT	L-version		M-version		Routine	Description
	Std. A	Std. B	Std. A	Std. B		
073304	073504	074227	074351	074227	BDMTR	Disk queue already reserved by another
073463	073663	074406	074530	074406	BDMFU	From call MTRANS
075102	075302	076130	076252	076130	STADIWINDOW	TAD must always be two-way, DFOPP = 0
117534	117734	120601	120723	120601	CLALPR	GCPUDF error exit. Cannot find ND-500/5000 memory
130621	131021	131707	132031	131707	P67L2	GCPUDF error exit. Cannot find ND-500/5000 memory
132526	132726	133614	133736	133614	RTBAC	Process description already reserved by another program
132710	133110	133771	134113	133771	ND-500HIST	GCPUDF error exit. Cannot find ND-500/5000 memory
133154	133354	134271	134413	134271	ND-500HIST	GCPUDF error exit. Cannot find ND-500/5000 memory
133351	133551	134472	134614	134472	N500C	GCPUDF error exit. Cannot find ND-500/5000 memory
133446	133646	134711	134857	134711	N500C	GCPUDF error exit. Cannot find ND-500/5000 memory
134120	134320	135244	135366	135244	N500C	GCPUDF error exit. Cannot find ND-500/5000 memory
134455	134655	135604	135726	135604	N500C	GCPUDF error exit. Cannot find ND-500/5000 memory
134551	134751	135703	136025	135703	N500C	GCPUDF error exit. Cannot find ND-500/5000 memory
135011	135211	136161	136302	136161	CHNSSTATUS	GCPUDF error exit. Cannot find ND-500/5000 memory
135664	136064	137007	137131	137007	SWPDECODER	GCPUDF error exit. Cannot find ND-500/5000 memory
135722	136122	137045	137167	137045	SWPDECODER	GCPUDF error exit. Cannot find ND-500/5000 memory
136035	136235	137302	137302	137161	SWPDECODER	GCPUDF error exit. Cannot find ND-500/5000 memory
136212	136412	137731	137731	137607	SWPDECODER	GCPUDF error exit. Cannot find ND-500/5000 memory
136555	136755	141116	141240	141116	N5FUD	GCPUDF error exit. Cannot find ND-500/5000 memory
137665	140065	142304	142426	142304	N5FUD	GCPUDF error exit. Cannot find ND-500/5000 memory
140231	140431	143026	143150	143026	SWITPROC	GCPUDF error exit. Cannot find ND-500/5000 memory
140765	141165	143052	143174	143052	NOUSTR	GCPUDF error exit. Cannot find ND-500/5000 memory
141011	141211	143320	143320	143176	OSTRS	GCPUDF error exit. Cannot find ND-500/5000 memory
141135	141335	144416	144416	144274	XNINSTR	GCPUDF error exit. Cannot find ND-500/5000 memory
142231	142431	144465	144465	144343	B5XMSG	GCPUDF error exit. Cannot find ND-500/5000 memory
142300	142500	145064	145064	144742	B5XMSG	GCPUDF error exit. Cannot find ND-500/5000 memory
142673	143073	145202	145202	145060	B5XMSG	GCPUDF error exit. Cannot find ND-500/5000 memory
143011	143211	145363	145363	145241	B5XMSG	GCPUDF error exit. Cannot find ND-500/5000 memory
143172	143372	145423	145423	145301	B5XMSG	GCPUDF error exit. Cannot find ND-500/5000 memory
143232	143432	146137	146261	146137	B5XMSG	GCPUDF error exit. Cannot find ND-500/5000 memory
144043	144243	146246	146370	146246	5MTRANS	GCPUDF error exit. Cannot find ND-500/5000 memory

MPIT		NPIT = 12		M-version		Routine	Description
L-version		Std. A	Std. B	Std. A	Std. B		
144152	144352	147005	146663	5MTRANS	GCPUDF error exit. Cannot find ND-500/5000 memory		
144567	144767	147124	147002	5MRDTRANS	GCPUDF error exit. Cannot find ND-500/5000 memory		
144677	145077	147144	147022	5MRDTRANS	GCPUDF error exit. Cannot find ND-500/5000 memory		
144717	145117	147565	147443	5MRDTRANS	GCPUDF error exit. Cannot find ND-500/5000 memory		
145312	145512	150305	150163	XACTRDY	GCPUDF error exit. Cannot find ND-500/5000 memory		
147415	147615	152327	152205	XMK	GCPUDF error exit. Cannot find ND-500/5000 memory		
147532	147732	152447	152325	STOPSYS	Impossible to stop ND-500/5000 CPU		
147717	150117	152634	152512	DIMIR	Operation data field (DIMIR) is zero		
147735	150135	152652	152530	DIMIR	Operation data field (DIMIR) already reserved		
150243	150443	153160	153036	FTRSQ	Release DAQ's (DIMIR)		
150310	150510	153225	153103	DMEXE	No more queue DAQ's elements		
150321	150521	153236	153114	DMEXE	Disk Queue element already reserved		

6. IPIT (NPIT = 15)

IPIT		NPIT = 15		M-version		Routine	Description
L-version	Std. A	Std. B	Std. A	Std. B	Std. B		
034006	034006		034006		034006	GOMLEV	Unexpected return from monitor level => CPU fault
034312	034312		034312		034312	SEGADM	Unexpected return from monitor level => CPU fault
034454	034454		034454		034454	YREMPG	Unexpected return from monitor level => CPU fault
034567	034567		034567		034567	PAGEFAULT	Page fault in windows should be handled on level 14
034575	034575		034575		034575	PAGEFAULT	Page fault for page in page table entry => CPU fault
035046	035046		035046		035046	LIMCHECK	Page fault in resident is fatal error => CPU fault
035231	035231		035231		035231	CLAM	Unexpected return from monitor => CPU fault
040036	040036		040036		040036	LRU	Empty segment list is fatal error
040740	040740		040740		040740	RWSEGM	Zero disk address is fatal error
041216	041216		041216		041216	LINKOVER	Fixed segment should never come here
041227	041227		041224		041224	LINKOVER	Corrupted data in segment table
041504	041504		041504		041504	SP09J	Unexpected return from CPU => CPU fault
041710	041710		041710		041710	SP09L	Unexpected return from CPU => CPU fault
041731	041731		041730		041730	OUTSEGLINK	Unexpected return from CPU => CPU fault
041740	041740		041737		041737	INSEGLINK	Unexpected return from CPU => CPU fault
041746	041746		041745		041745	XCSEGS	Unexpected return from CPU => CPU fault
042177	042177		042177		042177	XCLSEG	Unexpected return from CPU => CPU fault
042222	042222		042222		042222	XSSSEG	Unexpected return from CPU => CPU fault
053724	053724		053762		053762	CTRDISK	MON ABSTR to memory address 0
055345	055743		055406		056006	STSURR	Disk access error
055355	055753		055416		056016	STSURR	Disk access error
055613	056211		055667		056267	WSEEK	Illegal seek started
055713	056311		055767		056367	UPCUR	Corrupted data in disk data field
055766	056364		056042		056442	UPCUR	Corrupted data in disk queue
056003	056401		056061		056461	UPCUR	Corrupted data in disk queue
056256	056654		056335		056735	CTRCSI	SCSI disk transfer error
056320	056716		056377		056757	CTRCSI	SCSI disk transfer error
057137	057535		057215		057615	SCSDISK	SCSI disk transfer error
057215	057613		057273		057673	SCSDISK	SCSI disk transfer error

NPIT = 15

IPIT

L-version		M-version		Routine	Description
Std. A	Std. B	Std. A	Std. B		
057460	060056	057534	060134	SCDTR	SCSI disk transfer error
057467	060065	057543	060143	SCDTR	SCSI disk transfer error
060050	060446	060117	060517	SCSTREAM	SCSI streamer transfer error
060172	060570	060241	060641	SCSTREAM	SCSI streamer transfer error
060214	060612	060263	060663	SCSTREAM	SCSI streamer transfer error
060221	060617	060270	060670	SCSTREAM	SCSI streamer transfer error
060256	060654	060325	060725	SCSTREAM	SCSI streamer transfer error
060275	060673	060344	060744	SCSTREAM	SCSI streamer transfer error
060302	060700	060351	060751	SCSTREAM	SCSI streamer transfer error
061764	062362	062112	062512	SCSID	SCSI disk transfer error
062102	062500	062230	062630	SCSID	SCSI disk transfer error - request sense
062124	062522	062252	062652	SCSID	SCSI disk transfer error - request sense
062237	062635	062365	062765	SCSID	SCSI disk transfer error - inquire
062344	062742	062472	063072	SCSID	SCSI disk transfer error - build command block
062654	063252	063002	063402	SCSID	SCSI disk transfer error - execute
063132	063530	063260	063660	SCSID	SCSI disk transfer error - execute mode select
063136	063534	063264	063664	SCSID	SCSI disk transfer error - execute bus device reset
064261	064657	064410	065010	SCMAGTAPE	SCSI magnetic tape error - read sense
064337	064735	064463	065063	SCMAGTAPE	SCSI magnetic tape error - check sense
064371	064767	064515	065115	SCMAGTAPE	SCSI magnetic tape error
064377	064775	064523	065123	SCMAGTAPE	SCSI magnetic tape error
064432	065030	064556	065156	SCMAGTAPE	SCSI magnetic tape error
064511	065107	064635	065235	SCMAGTAPE	SCSI magnetic tape error
066130	066526	066261	066661	SCOPTICAL	SCSI optical disk error
066155	066553	066306	066706	SCOPTICAL	SCSI optical disk error
066173	066571	066324	066724	SCOPTICAL	SCSI optical disk error
066467	067065	066620	067220	SCOPTICAL	SCSI optical disk error
066541	067137	066672	067272	SCOPTICAL	SCSI optical disk error

7. FPIT (NPIT = 4)

FPIT		NPIT = 4		M-version		Routine	Description
L-version Std. A	Std. B	Std. A	Std. B	Std. A	Std. B		
026350	026350	026350	026350			AMOFI	Illegal device number or file number => SINTRAN overwritten
034620	034620	036103	036103			GDEVB	Wrong directory index or wrong page address
035012	035012	036305	036305			G3BUF	DBH chain is destroyed. Should never occur
037130	037130	040510	040510			GSIZE	Pages available on Floppy is to high
046340	046340	050046	050046			DLPAR	Corrupted data in memory
050401	050401					FBFBU	Bit file buffer not found
053315	053315					RUSER	Illegal user index
		056116	056116			WUSER	DBH address of current user buffer should be reserved
053425	053425	056124	056124			WUSER	Illegal directory index
		056130	056130			WUSER	Not an object file buffer
053432	053432	056136	056136			WUSER	Wrong user index
053437	053437					WUSER	Illegal user index
		060430	060430			WOBJE	DBH address of current object buffer should be reserved
055765	055765	060436	060436			WOBJE	Correct directory ?
055776	055776	060442	060442			WOBJE	Not a object file buffer
056013	056013	060454	060454			WOBJE	Not correct object block number or object index
057515	057515	062200	062200			DIRUN	Illegal directory index
063371	063371	066076	066076			CHIGV	Old object entry not used
065640	065640	070751	070751			FFILE	Wrong File type. Magnetic tape file
072233	072233	075464	075464			OPSCR	Illegal open file number (return from LOGPH)
072271	072271	075522	075522			OPSCR	Illegal open file number (return from LOGPH)
074561	074561	100106	100106			GPADR	Call to DFPAG illegal if device is MAG-TAPE-1
077112	077112	102445	102445			REBUD	Link through buffer pool is destroyed
077173	077173	102526	102526			REBUF	Link through buffer pool is destroyed
077271	077271	102621	102621			WRBUF	Link through buffer pool is destroyed
077460	077460	103010	103010			WRBUF	Link through buffer pool is destroyed
077675	077675	103230	103230			FREA	Impossible to release device buffer
100124	100124	103446	103446			FREA	Impossible to release device buffer
100302	100302	103624	103624			FWRT	Impossible to release device buffer

FPIT		NPIT = 4		Routine	Description
L-version		M-version			
Std. A	Std. B	Std. A	Std. B		
100562	100562	104063	104063	FVRT	Impossible to release device buffer
122270	122270	122026	122026	MC144	Impossible to release device buffer
122657	122657	126423	126423	MC144	Impossible to release device buffer
153302	153302	157017	157017	REGDI	Test/regenerate directory => Run the File System Investigator
161165	161165	164603	164603	STARS	Spooling pages used is greater than pages available
165477	165477			FFILI	Address outside spooling queue buffer
165522	165522			FFILI	Address outside spooling queue buffer
167511	167511	173115	173115	SPORT	Reservation of SPSEM semaphore failed
167531	167531	173135	173135	SPORT	Release of SPSEM semaphore failed
170232	170232	173635	173635	SPORT	Reservation of USPSM semaphore failed
170236	170236	173641	173641	SPORT	Release of USPSM semaphore failed
170375	170375	174000	174000	SPORT	Reservation of SPSEM semaphore failed
170414	170414	174015	174015	SPORT	Release of SPSEM semaphore failed
171005	171005	174410	174410	SPORT	Reservation of SPSEM semaphore failed
171011	171011	174414	174414	SPORT	Release of SPSEM semaphore failed

8. 5PIT (NPIT = 5)

5PIT NPIT = 5

L-version		M-version		Routine	Description
Std. A	Std. B	Std. A	Std. B		
027546	027546	026751	026751	CHMEMDEF	Error in setting up ND-500/5000 memory configuration
027743	027743	027555	027555	TUSON	GCPUDF error exit, cannot find ND-500/5000 memory
030152	030152	027754	027754	HIMFEXQ	GCPUDF error exit, cannot find ND-500/5000 memory
031137	031137	030166	030166	SMLVROUT	Unexpected return from monitor level => CPU fail
032152	032152	031213	031213	N500M	GCPUDF error exit, cannot find ND-500/5000 memory
032212	032212	032226	032226	N500M	Impossible to read from ND-500/5000 data segment
033400	033400	032266	032266	N500M	GCPUDF error exit, cannot find ND-500/5000 memory
033750	033750	033454	033454	N500M	Impossible to read from ND-500/5000 data segment
034243	034243	034024	034024	N500M	GCPUDF error exit, cannot find ND-500/5000 memory
034257	034257	034317	034317	N500M	Impossible to read from segment S3IDPIT
034274	034274	034351	034351	N500M	Impossible to write to segment S3IDPIT
034310	034310	034366	034366	N500M	Impossible to write from segment S3SDPIT
034773	034773	034402	034402	N500M	Impossible to write to segment S3SDPIT
035531	035531	035066	035066	N500M	GCPUDF error exit, cannot find ND-500/5000 memory
036704	036704	035636	035636	N500M	GCPUDF error exit, cannot find ND-500/5000 memory
036756	036756	037011	037011	ERABORT	ND-500/5000 process not found
037071	037071	037063	037063	FROMESC	ND-500/5000 process not found
037621	037621	037176	037176	FROMESC	ND-500/5000 process not found

