

TSS

1851

Disk System Dump



5 min

TSS NOW UP
JPROC HERE
+ DUMP
DISK AUDITED
RECOVERY COMPLETE
MOUNT NEXT TSS DUMP TAPE
ENTER VISUAL REEL NUMBER
8655
VRN= 8655, 00 ERRORS WHEN LAST WRITTEN
VERIFY
YES
LOG VISUAL REEL NUMBER, DATE, AND TIME.
8655 06/24/71 06.02.19
DISK DUMP TAPE SUCCESSFULLY WRITTEN
DUMP COMPLETE

Disk System Recover



TSS NOW UP
JPROC HERE
+ RECOVER
DISK AUDITED
RECOVERY COMPLETE

Disk System Load



TSS NOW UP
JPROC HERE
+ LOAD
DO YOU REALLY WANT TO LOAD DISK
+ YES LOAD
LOADING
ENTER VISUAL REEL NUMBER, DATE AND TIME OF DUMP
↑ VRN ↑, ↑ MM/DD/YY ↑, ↑ HH.MM.SS ↑
8655, 06/24/71, 06.02.19
MOUNT VOL 1 OF TSS DISK DUMP MADE 06/24/71 06.02.19
TAPE READING CONCLUDED, BEGIN POINTER ADJUSTMENT
POINTER ADJUSTMENT COMPLETED, RECOVER ON NEXT DEADSTART
LOAD COMPLETE

TO BRING UP A TEST PROCESS

TO BE DONE AFTER A DUMP, LOAD OR RECOVER

TSS NOW UP
CAL TSS VERSION 1.1
NAME YOUR PERMANENT DIRECTORY
• GUEST OPERATOR
GIVE PASS WORD
• GUEST APR
ENTER TENTATIVE NAME FOR TEMPORARY DIRECTORY
• YOURNAME
COMMAND PROCESSOR HERE

max 8 chars

Note:

- indicates characters to be typed by operator
- all lines except (csp) end with a carriage return.

25817 Gene

733

2-5008

operator's
LOCATION:

PERMANENT
DIRECTORY =
"OPERATOR"

PASSWORD =

"OPR"

TEMP. DIRECTORY
= any unique
name

red w/ 10

Before discarding

contact:

Howard Stunowis

14 Skyline Drive

Woodsdale Calif

or via

Vance Vaughan

Computer Center

or via

David Hedell

TSS Dump Tapes ARE

8651 thru 8690

Flg

CSP

CAL TSS VERSION 2.0
17:44:15 10/30/71
PERMANENT DIRECTORY?

TYPE

.OPERATOR
GIVE PASSWORD

TYPE

.OPR
TEMPORARY DIRECTORY?
.OPERATOR
COMMAND PROCESSOR HERE
!SERV

SERVICES HERE
*QLIST TDLIST

STURGIS OWN DIR
DAVE OWN DIR
OPERATOR OWN DIR

*FIN

COMMAND PROCESSOR HERE
!LOGOUT

17:45:07 10/30/71
CONNECT TIME = 28277.
CPU TIME = 3488387.
FIXED ECS = 99676425.
MOT SLOTS = 0.
SWAPPED ECS = 102948864.
TEMP DISK = 0.
MONEY = \$.144
GOOD DAY

*
~~TSS NOW UP~~
~~JPROC HERE~~
~~+RECOVER~~
~~DISK AUDITED~~
~~RECOVERY COMPLETE~~
CAL TSS VERSION 2.0
20:20:05 11/03/71
PERMANENT DIRECTORY?
• OPERATOR
GIVE PASSWORD
• OPR
TEMPORARY DIRECTORY?
• FRANK
COMMAND PROCESSOR HERE
! ~~BORO F.BXDCST~~

ASP

for sending messages

F.V.

wait,

type

WAIT,

TYPE

TSS WILL GO DOWN IN 12 MINUTES.....AT 1800 SHARP...CH

(R) 3 times

TSS WILL GO DOWN IN 12 MINUTES.....AT 1800 SHARP...CH

COMMAND PROCESSOR HERE

TYPE

! LOGOFF
GOOD DAY

$\frac{7}{8}$

~~Both~~ Disk Systems

[illegible] $\sqrt{g}$

Dead!

7/13/71
KPS

OPERATOR'S INSTRUCTIONS FOR DIAGNOSING AILMENTS OF CAL TSS

These pages contain instructions on how to

- 1) spot system problems by looking at the display screens
- 2) handle calls from users who have problems
- 3) diagnose the above problems
- 4) proceed when the problem is diagnosed.

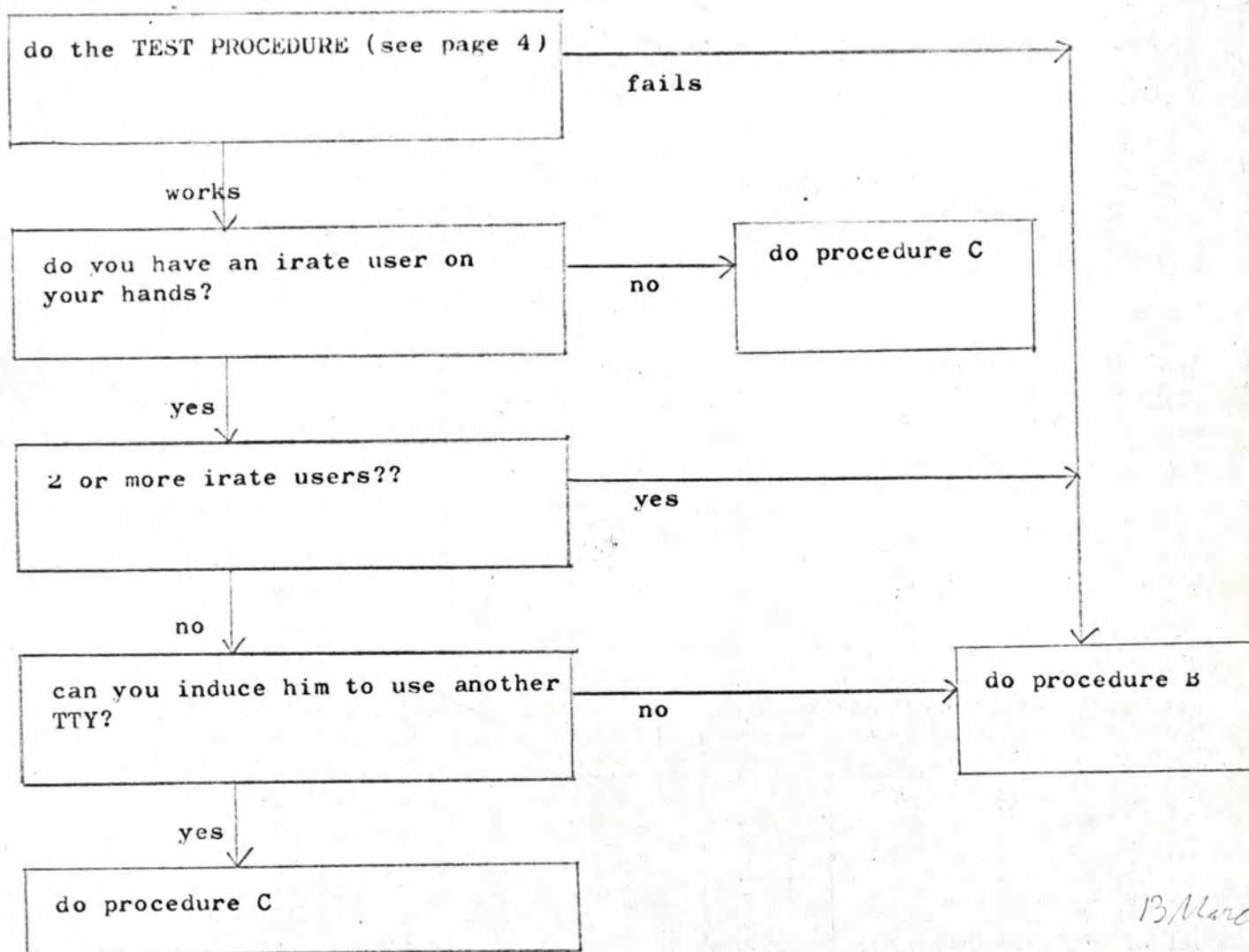
Pages for logging the various problems that arise will be kept on this clipboard. These instructions will change as we get more experience and find out what the problems are, so you should always look to see if some note has been added since you last used the instructions.

Note: CSP is used as an abbreviation for control-shift-P in what follows.

13 March '71

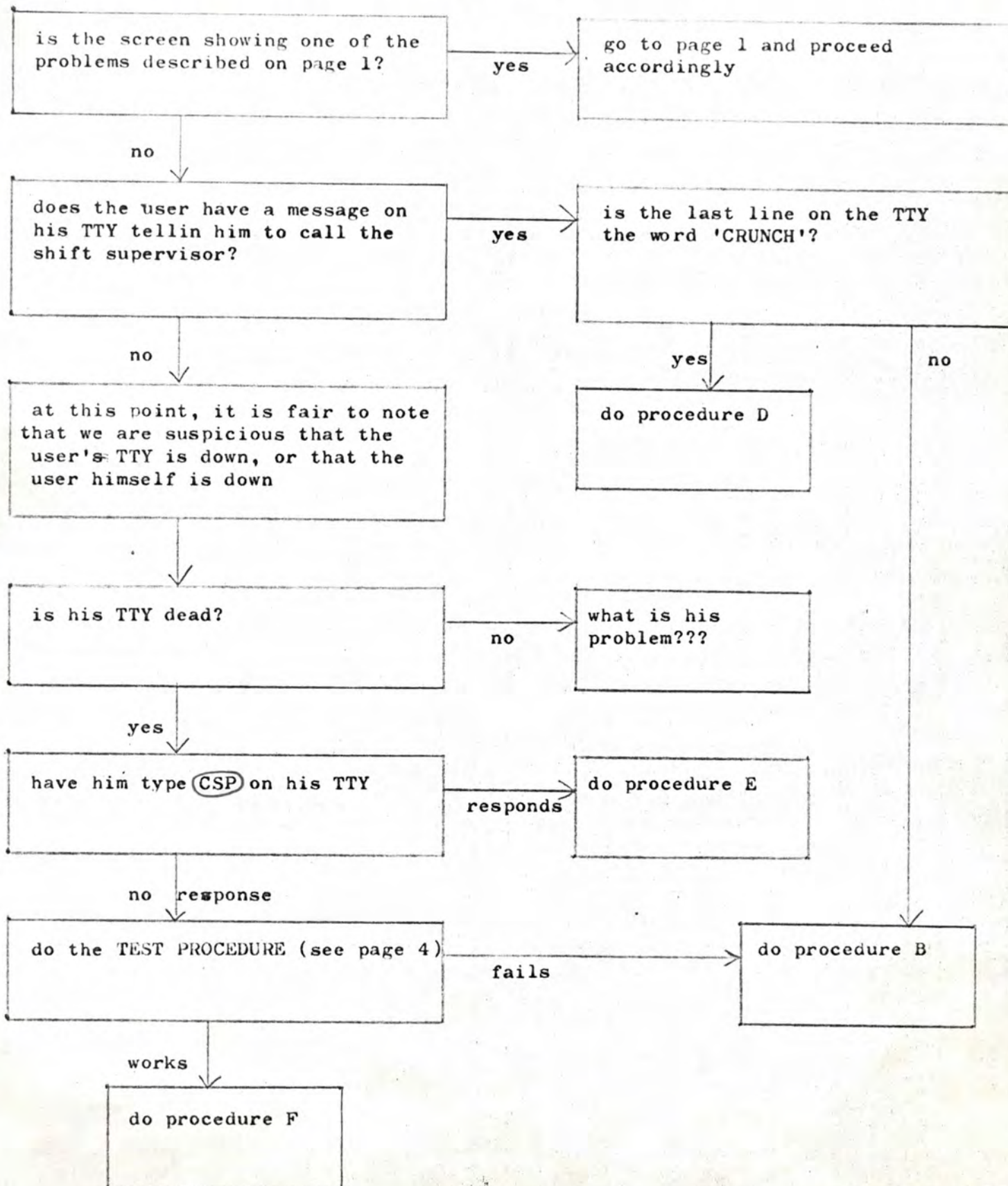
PROBLEMS THAT CAN BE SPOTTED ON THE SCREEN

- 1) The word 'DISASTER' flashing off and on means the system is down; if the display says something about an ECS parity error, do procedure A, otherwise do procedure B.
- 2) If the left screen shows a 'U' in the upper left corner and the right screen shows 'P=000012' in the upper right corner, a process has crashed somewhere. Perform the following diagnosis:



WHEN A USER CALLS

First, record the name and location of the user and the 10 most recent lines on his TTY. Then perform the following diagnosis:



13 March '71

ECS

- PROCEDURE A: ECS is sick. Run the test, if it works, see if the system will reload. If continuing problems, call the CE's.
- PROCEDURE B: The operating system is sick. Try to get a system programmer to look at it*, failing that, dump the system* and restart it. (See page 5)
- PROCEDURE C: Note that the condition occurred and cross your fingers.
- PROCEDURE D: Sigh. That is a secret command which he shouldn't know about. Tell him to type 'HERE' and then 'RETURN'. If he is able to continue, fine, tell him not to do it again. Otherwise, go to procedure B.
- PROCEDURE E: This man is confused or doesn't know how to get at the system. Tell him that he always has to type CSP to make contact with the system. ***
- PROCEDURE F: Chances are his TTY is down or his line is sick or turned off. If the TTY is turned off, either turn it on or tell him you have orders to have it turned off, as the case may be. If ~~his TTY~~ Otherwise, tell him to call Gil Costa 2-2521 to report trouble with his TTY.

** always make a note in BMC4 LOG !!*

- *If there isn't one in sight, try calling
- | | |
|---------|-------------|
| 2-0560 | Howard |
| 2-5819 | Have, Bruce |
| 2-5823 | Vance |
| 2-5835 | Gene, Paul |
| 2- 5817 | Keith |

- 527-5130
- 845-0771
- 841-4295
- 843-8192

** see page on how to dump system*

**** the TTY may have been left*

13 March 71

TEST PROCEDURE:

we have to make up a procedure and can give a copy of the TTY output from a typical run to the operators.

wait 1.50
[Signature]

delay of ≈ 15 sec

TESTING PROCEDURE

```
!BASIC
:PRINT 4+2
12
:I
100 PRINT 50*5
200 END
```

← JUST A carriage return

```
:RUN
← 250
EXECUTION COMPLETE
```

```
:Q
COMMAND PROCESSOR HERE
!PANIC IN COMMAND PROCESSOR
!L (CSP)
```

- *as indicates characters to be typed by operator.*
- all lines extent (CSP)*
- end with a carriage return*

OK

13 March '71

HOW TO MAKE A DIAGNOSTIC DUMP IF A SICK SYSTEM
XXXXXXXXXXXXXXXXXXXX

Unfortunately, the dump program requires a different deadstart panel from the system deadstart program. Reset the deadstart panel to CAL TSS I, push the deadstart button, read the deck ??? into the card reader, mount a tape on unit 0, and stand back and watch it go. After ~~xxxxxx~~ loads, the tape unloads, reset the deadstart panel to CAL TSS II and deadstart the system as usual. Record the reel on which the dump was made along with the other information relevant to this crash.

"TSS POST MORTUM"

① ~~read tapes & dumps~~
② ~~xxxxxx~~

13 March '71

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 11/18/71 at 12:00. KP3
initial
2. Tape deadstarted and tests run
on 11/18/71 at 12:00 KP3
initial
3. Code files updated on disk
on 11/18/71 at 12:00 KP3
initial
4. Seals rotated on 11/18/71 at 12:00 KP3
initial

5. System Components Affected:

Name	Changes
<u>PPU code</u>	<u>new PRE loader</u>
<u>Builder</u>	<u>deadst panel same</u>
	<u>as calidoscope</u>
	<u>scratch file length</u>
	<u>word change</u>

6. Comments:

New dead start panel!

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 11/17/71 at 17:55.

HM
initial

2. Tape deadstarted and tests run

on 11/17/71 at 18:00

HM
initial

3. Code files updated on disk

on 11/17/71 at 18:30

HM
initial

4. Seals rotated on 11/17/71 at 19:15

HM
initial

5. System Components Affected:

Name

Changes

CMMDA

cleanup
logout bug fixed
protected OPCL is now
the dist which users get
when they ask for
OPCL

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 3 20:10
~~14:30~~
~~18:00~~

1. Tape written on 11/12/71 at 18:22. HES
initial

2. Tape deadstarted and tests run
on 11/12/71 at 19:30 Hes
initial

3. Code files updated on disk
on 11/14/71 at 20:35 Hes
initial

4. Seals rotated on / / at :
initial

5. System Components Affected:

Name	Changes
<u>DS4</u>	<u>repositions and immediately</u>
<u>DSKINT</u>	<u>retrys all hardware errors</u>
<u> </u>	<u>appropriate counts left in</u>
<u> </u>	<u>control</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 12

1. Tape written on 11/8/71 at 23:01. WGB
initial
2. Tape deadstarted and tests run
on 11/8/71 at 23:00 WGB
initial
3. Code files updated on disk
on 11/8/71 at 23:00 WGB
initial
4. Seals rotated on 11/8/71 at 23:00 WGB
initial

5. System Components Affected:

Name	Changes
<u>BEADS</u>	<u>name, LOCAL will be</u>
<u> </u>	<u>opened if a dynamic name is</u>
<u> </u>	<u>SPD held open during subproc</u>
<u> </u>	<u>creation. CP:SONS, CP:MONY</u>
<u> </u>	<u>fixed to return in K6</u>
<u> </u>	<u>when returning</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 11/4/71 at 13:30. BZ
initial
2. Tape deadstarted and tests run
on 11/3/71 at 24:00 BZ
initial
3. Code files updated on disk
on 11/4/71 at 13:40 BZ
initial
4. Seals rotated on 11/4/71 at 13:40 BZ
initial

5. System Components Affected:

Name	Changes
<u>DISK 2</u>	<u>amt moved out of master alloc</u>
<u>SYSTAPE</u>	<u>add new file</u>
<u>NAMES</u>	<u>new IProc sculp (opm 2)</u>
<u>FULL</u>	<u>" " "</u>
<u>OPER 2</u>	<u>create user opercl</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

create user opercl - leave it
in builder directory

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 11/4/71 at 2:00. RLA
initial
2. Tape deadstarted and tests run
on 11/4/71 at 2:10 RLA
initial
3. Code files updated on disk
on 11/4/71 at 2:00 RLA
initial
4. Seals rotated on 11/4/71 at 2:00 RLA
initial

5. System Components Affected:

Name	Changes
<u>TLINE</u>	<u>NEW LINECOLLECTOR</u>
	<u>PROMPT, NOECNO, GETSTRING</u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 11/2/71 at 20:00.

WAB
initial

2. Tape deadstarted and tests run
on 11/2/7 at 20:30

W J K
initial

3. Code files updated on disk
on __/__/__ at __:__

WGB
initial

Same

4. Seals rotated on / / at :

207/77
initial

Shirley

- 5. System Components Affected:**

Name
BIZADS

Changes

trivial lag in sub-process
building

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 28 Oct 71 at 19:00 W
initial

2. Tape deadstarted and tests run
on / / at 19:00+ε W
initial

3. Code files updated on disk
on / / at 19:00+2ε W
initial

4. Seals rotated on / / at 19:00+3ε W
initial

5. System Components Affected:

Name	Changes
<u>ECS</u>	<u>6 NOP's added</u>
<u>BUILDER</u>	<u>CALLS 1 OF THE NEW NOP'S</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 10/26/71 at 20:30 ~~20:30~~ initial

2. Tape deadstarted and tests run
on 10/27/71 at 21:00 initial

3. Code files updated on disk
on 10/27/71 at 00:30 initial

4. Seals rotated on 10/27/71 at 00:30 initial

5. System Components Affected:

Name	Changes
<u>CUMDA</u>	<u>new reduced nominal</u>
<u>CUMDB</u>	<u>new bug</u>
<u>CLNPROF</u>	

6. Comments:

NOMINAL = 4000B for SUPERS
PRINTER DRIVER had to
be kludged
MDA
PRINTER

MDA 7000 PRINTER#1
GM

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 10/25/71 at 3:00 JM
initial

2. Tape deadstarted and tests run
on 10/25/71 at 3:10 JM
initial

3. Code files updated on disk
on 10/26/71 at 1:15 JM
initial

4. Seals rotated on 10/26/71 at 01:50 JM
initial

5. System Components Affected:

Name	Changes
<u>CMMPT</u>	<u>login procedure</u>
<u>CMMDB</u>	<u>updated, bugs fixed</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

6. Comments:

IT is a am. have not
SHAZAMED CODE & MINOR FILES.
SYSTEM IS BEING DUMPED
WILL DO IT TOMORROW. J. } done
JM
10/26/71

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 10/13/71 at 12:50 KPS
initial
2. Tape deadstarted and tests run
on 10/13/71 at 13:10 KPS
initial
3. Code files updated on disk
on 10/13/71 at 13:10 KPS
initial
4. Seals rotated on 10/13/71 at 13:10 KPS
initial

5. System Components Affected:

Name	Changes
PPUCODE	prefix old PPU code
	with 2 programs
	source files are in
	PPU.S
	as 'PRE'
	and 'DMP'

6. Comments:

Deadstart panel is
changed with this tape -
See card in panel door
DMP avail on tape.

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 10/24/71 at 20:00.

W H B
initial

2. Tape deadstarted and tests run

on / / at 11:

W H B
initial

same

3. Code files updated on disk

on / / at :

W H B
initial

same

4. Seals rotated on / / at :

W H B
initial

same

5. System Components Affected:

Name
BEADS

Changes

~~TTY~~ lines up to
100₁₀ defined & can
not log on if acct #
= 777777B in a profile
(GENE has a bug
such that this gives a
BAD PASSWORD message)

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 10/20/71 at 15:30.

JM
initial

2. Tape deadstarted and tests run

on ~~10/20/71~~ at 21:10

JM
initial

3. Code files updated on disk

on / / at 22:45

JM
initial

4. Seals rotated on 22/3/71 at 22:30

JM
initial

5. System Components Affected:

Name	Changes
<u>CMND</u>	<u>accounting message</u>
<u> </u>	<u>sundry books</u>
<u>CPL</u>	<u>training info.</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number _____

1. Tape written on 20/oct/71 at 12:00. 1hes
initial
2. Tape deadstarted and tests run
on / / at : _____
initial
3. Code files updated on disk
on / / at : _____
initial
4. Seals rotated on / / at : _____
initial

5. System Components Affected:

Name	Changes
_____	CMMD4 (changed)
_____	cpuware
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

6. Comments:

Failed - pm dump on 8142

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 10/19/77 at 4:40. W H B
initial
2. Tape deadstarted and tests run
on 1/1 at 11: W H B
initial
same
3. Code files updated on disk
on 1/1 at : W H B
initial
same
4. Seals rotated on 1/1 at : W H B
initial
same

5. System Components Affected:

Name	Changes
<u>Beads</u>	<u>CPINUSR can create a</u>
<u></u>	<u>user in any other directory</u>
<u></u>	<u>& SPDIR, SPECIAL</u>
<u></u>	<u>is the directory which was</u>
<u></u>	<u>the sub-process descriptor</u>
<u></u>	<u></u>
<u></u>	<u></u>
<u></u>	<u></u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 10/15/71 at 00:30. W H B
initial

2. Tape deadstarted and tests run
on / / at 11: W H B
same initial

3. Code files updated on disk
on / / at : W H B
same initial

4. Seals rotated on / / at : W H B
same initial

5. System Components Affected:

Name	Changes
<u>BEADS</u>	<u>new rates - better</u>
<u> </u>	<u>envron handling - SPENT#</u>
<u> </u>	<u>will never go negative</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 10/11/71 at 13:40 GM
initial
2. Tape deadstarted and tests run
on 10/11/71 at 13:45 GM
initial
3. Code files updated on disk
on 10/11/71 at 14:15 GM
initial
4. Seals rotated on 10/11/71 at 14:10 GM
initial

5. System Components Affected:

Name	Changes
<u>CNMDA</u>	<u>tape lock renamed to TPELOCK</u>
<u>CNMDD</u>	<u>bug in Blit fixed</u>
<u> </u>	<u>OPERATE</u>
<u> </u>	
<u> </u>	
<u> </u>	
<u> </u>	
<u> </u>	
<u> </u>	

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 10/11/71 at 12:00.
initial W
2. Tape deadstarted and tests run
on / / at 11:
initial W
3. Code files updated on disk
on / / at :
initial W
4. Seals rotated on / / at :
initial W

5. System Components Affected:

[illegible]

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 10/6/71 at 16:00.

[Signature]
initial

2. Tape deadstarted and tests run

on 10/6/71 at 16:00

[Signature]
initial

3. Code files updated on disk

on 11/1/71 at 16:00

[Signature]
initial

4. Seals rotated on 11/1/71 at 16:10

[Signature]
initial

5. System Components Affected:

Name	Changes
<u>CMMDA</u>	<u>2 allocation block</u>
<u>CMMDB</u>	<u>QLIST, BLIST</u>
<u>DIRSYS</u>	<u>things for PAUL</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

BEADS code files were
shogamed before machine
went down for move to
ELANS

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 9/14/71 at 12:00.

initial

- ## 2. Tape deadstarted and tests run

on / / at 12:00

initial

- ### 3. Code files updated on disk

on / / at 12:00

initial

4. Seals rotated on / / at 12:00

initial

5. System Components Affected:

Name

Changes

ECS/Interrupt System - increase #
disk request slots
to 400 from 12)

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 9/11/71 at 1:00 WHP
initial

2. Tape deadstarted and tests run same
on 1/1 at 11: initial

3. Code files updated on disk same
on 9/11/71 at 12:00 WHP
initial

4. Seals rotated on 1/1 at : WHP
initial

5. System Components Affected:

Name	Changes
<u>BEADS</u>	<u>no connect during</u>
	<u>time computed at</u>
	<u>bozon time</u>

6. Comments:

~~BILL EX: BEADS -> CODE BEADS~~
~~not done yet~~
GIVE'S CMMD has been
linked UP!!!

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 9/9/71 at 18:10.

PMcJ
initial

2. Tape deadstarted and tests run
on 9/9/71 at 19:30

PMcJ
initial

3. Code files updated on disk
on 9/9/71 at 10:50

PMcJ
initial

4. Seals rotated on 9/9/71 at 10:45

PMcJ
initial

5. System Components Affected:

Name
DIRSYS

Changes

Myriad little things, including:
a) the disappearing dynamic name tag lang
b) the "SYSEK" dissects on 10,0 errors
c) "SYSEK" message changed to "DIRSVSEK"
d) internal housecleaning

6. Comments:

PMcJ
Not done yet (I am coming in at 10:00 tomorrow)
If anyone wants to make a tape tonight, call me at 524-0829 (before 11pm, please!)
Paul M. Jones

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 8/8/71 at 2:20 gm
initial

2. Tape deadstarted and tests run
on 8/1/71 at 2:15 gm
initial

3. Code files updated on disk
on 8/1/71 at 2:30 gm
initial

4. Seals rotated on 8/1/71 at 2:30 gm
initial

5. System Components Affected:

Name	Changes
<u>CMMDA</u>	<u>charger output formatted</u>
<u>BEADS</u>	<u>some bugs fixed</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments: DAVE:
1) used FIXRACE
2) Bucked up & wrote on
"old" current tape initial
of backup 2!

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 9/7/71 at 2:30. JM
initial

2. Tape deadstarted and tests run
on ~~9/7/71~~ at 2:45 JM
initial

3. Code files updated on disk
on 9/7/71 at 3:00 JM
initial

NO I
DIDN'T

4. Seals rotated on 9/7/71 at 3:00 JM
initial

did
rotate
seals, tho

5. System Components Affected:

Name	Changes
<u>CAMDA</u>	<u>SUNDRY BUGS FIXED;</u>
<u>CUNDB</u>	<u>TAPE DRIVE LOCK added in</u>
<u>CUNDC</u>	<u>JPRDC; CHARGES AVAILABLE</u>
	<u>charges</u>
	<u>new I/O pkgs</u>

6. Comments:

am still changing TEMPER
TO DAVE: FIXRACE TO AVOID
SYSTEM INITIALIZATION TIMING
CRASH.

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 9/3/71 at 23:50 W.H.B.
initial

2. Tape deadstarted and tests run
on 9/4/71 at 10:15 W.H.B.
initial

3. Code files updated on disk
on 9/3/71 at 23:30 W.H.B.
initial

4. Seals rotated on 9/4/71 at 01:30 W.H.B.
initial

5. System Components Affected:

Name	Changes
<u>BEADS</u>	<u>SWAPPED FCS changed for</u>
<u> </u>	<u>SPECIAL &</u>
<u> </u>	<u>subprocess description</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 9/3/71 at 13:30.
initial
2. Tape deadstarted and tests run
on 9/3/71 at 14:00
initial
3. Code files updated on disk
on 9/3/71 at 16:30
initial
4. Seals rotated on 9/3/71 at 17:15
initial

5. System Components Affected:

Name	Changes
<u>CMMA</u>	<u>Read new swapped ECS</u>
<u>PRETRW</u>	
<u>HELPER</u>	<u>swapped ECS meters + gen'l</u>
<u>USRDSK</u>	<u>improvements in accounting</u>
_____	_____
_____	_____
_____	_____
_____	_____

6. Comments:

Swapped ECS meters in and running
meters not being read by upper levels
(i.e. Attention: Bill Bridge)

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 9/2/71 at 17:30.

WNB
initial

2. Tape deadstarted and tests run

on 9/2/71 at 18:15

WNB
initial

3. Code files updated on disk

on 9/2/71 at 18:00

WNB
initial

4. Seals rotated on 9/2/71 at 18:45

WNB
initial

5. System Components Affected:

Name	Changes
<u>CHMD</u>	<u>sends proper parameter to CLNPROF</u>
<u>CHMD1</u>	<u>& returns to diff cap on BILL</u>
<u>PROF(BRADS)</u>	<u>creates CP:CHRG</u>
	<u>new WARN# interpolation</u>
	<u>2 new calls CP:CHRG to</u>
	<u>return charges & call from CHMP</u>
	<u>to check PASS WORD</u>
<u>SPRCL</u>	<u>CP:CHRG</u>

6. Comments:

doesn't
deadstart
KPS
9/3/71
10:00

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 9/1/71 at 12:50. HES
initial

2. Tape deadstarted and tests run
on / / at :
initial

3. Code files updated on disk
on / / at :
initial

4. Seals rotated on / / at :
initial

5. System Components Affected:

Name	Changes
<u>SWAP</u>	<u>fix so idle time not counted as swap time</u>
<u>INTINIT</u>	<u>in my special clocks</u>
<u>INTINIT</u>	<u>make clock file SOOB and S</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

FAILED
PM dump on 8142
Crashed in CMM02
Gene made a tape that crashed in CMM02
at a ref to EC.DPREVCH
"A bug fixed long ago!"
using just TSS: code, made a seed file,
Timing error.

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 8/30/71 at 11:10 IES
initial
2. Tape deadstarted and tests run
on 8/30/71 at 11:15 IES
initial
3. Code files updated on disk
on 8/30/71 at 11:35 IES
initial
4. Seals rotated on 8/30/71 at 11:37 IES
initial

5. System Components Affected:

Name	Changes
<u>sysentr</u>	<u>expands ELSACT</u>
<u>MISC</u>	<u>forms spy interrupt type,</u>
<u>SWAP</u>	<u>and collects action times</u>
<u>Intinit</u>	<u>in misc</u>
<u>Builder</u>	<u>new feature - allows pointer in upper</u>
	<u>30 bits 2nd of subprocess descriptor</u>
	<u>file to point to real descriptor within file</u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 8/29/71 at 14:00.

initial

- ## 2. Tape deadstarted and tests run

on / / at 16:00

initial

- ### 3. Code files updated on disk

on / / at 16:00

initial

4. Seals rotated on / / at 16:00

initial

5. System Components Affected:

Name

ECS system

Changes

fix bug in multiple nesting

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 8/28/71 at 19:00. SM
initial

2. Tape deadstarted and tests run
on 8/28/71 at 18:30 SM
initial

3. Code files updated on disk
on 8/28/71 at 18:55 SM
initial

4. Seals rotated on 8/28/71 at 19:05 SM
initial

5. System Components Affected:

Name	Changes
<u>CANADA</u>	<u>TIME added</u>
<u> </u>	<u>Sundry bugs Fixed</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

Remade my SYSTEM TAPE TO
INCORPORATE changes made 8/27/71
NO DEADSTART AT THIS TIME SINCE
my SYSTEM WORKED WITHOUT 8/27 changes
& 8/27 changes worked without
mine. i.e., 8/27 changes & 8/28 changes
= Ø

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 8/17/71 at 1:30. W H B
initial
2. Tape deadstarted and tests run
on ~~8/18/71~~ at ~~19:00~~ W H B
initial
same
3. Code files updated on disk
on 8/28/71 at 19:00 W H B
initial
4. Seals rotated on 8/27/71 at 2:00 W H B
initial

5. System Components Affected:

Name	Changes
<u>BEADS.</u>	<u>Logout cleanup done</u>
<u>CLNPROF</u>	<u>before dumpfile written</u>
<u> </u>	<u>Complaining on TTY if</u>
<u> </u>	<u>save attempted with</u>
<u> </u>	<u>before backup dumped</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

updates not done →

TSS:IBILL:EX:BEADS → CODE:BEADS

remove EAR from CMM.S:PROF

Remove ORG from CMM.S:BEADS

1 BAD SPOT SKIPPED

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 8/24/71 at 20:45. JM
initial

2. Tape deadstarted and tests run
on 8/24/71 at 20:45 JM
initial

3. Code files updated on disk
on 11/2/71 at 11:10 JM
initial

4. Seals rotated on 8/24/71 at 11:10 JM
initial

5. System Components Affected:

Name	Changes
<u>CPU</u>	<u>SCAN + BURP FOR</u>
<u>CHMD</u>	<u>GOSSIPING MICKSYS PROCESSES</u>
	<u>LOGON MESSAGES,</u>
	<u>LOGOUT: PANICS inhibited,</u>
	<u>MICKS dayFILE</u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 8/27/76 at 3:00. W H B
initial
2. Tape deadstarted and tests run
on 1/1/ at 11: W H B
initial
same
3. Code files updated on disk
on 1/1/ at : W H B
initial
same
4. Seals rotated on 1/1/ at : W H B
initial
same

5. System Components Affected:

Name	Changes
<u>CMMD</u>	<u>new logon & logout</u> <u>procedure</u>
<u>BEADS</u>	<u>& calls on BEADS & JPROC</u>
<u>CMMDI</u>	<u>accounting stuff all in</u> <u>makes new operations &</u>
<u>FULL JPROC</u>	<u>makes operations with typelinking</u>
<u>CLNPROF</u>	<u>added CLNPROF</u> <u>New subprocess in JPROC</u>

6. Comments:

should have version number
updated to 2.0

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 8/22/71 at 21:30. HM
initial

2. Tape deadstarted and tests run
on 8/22/71 at 11:00. HM
initial

3. Code files updated on disk
on 8/22/71 at 11:00. HM
initial

4. Seals rotated on 8/22/71 at 11:00. HM
initial

5. System Components Affected:

Name	Changes
code: <u>CMMD</u>	<u>profile things are</u>
code: <u>CLNPRDF</u>	<u>in</u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 29 Aug 71 at 12:00 VV
initial

2. Tape deadstarted and tests run
on 1/1 at 12:05 VV
initial

3. Code files updated on disk
on 1/1 at 12:30 VV
initial

4. Seals rotated on 1/1 at 12:30 VV
initial

5. System Components Affected:

Name	Changes
<u>ECS system event channels</u>	<u>destroy event channel</u>
<u>_____</u>	<u>works when processes</u>
<u>_____</u>	<u>are hung on the</u>
<u>_____</u>	<u>channel - sends</u>
<u>_____</u>	<u>'for some' events,</u>
<u>_____</u>	<u>then destroys channel</u>
<u>_____</u>	<u>EVENT, PROCESS, SWAP affected</u>

6. Comments:

I don't know why tape #1 was
backup 2, as the previous
page indicates #1 to be
the current system tape

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 8/16/71 at 23:30. SM
initial
2. Tape deadstarted and tests run
on 8/16/71 at 23:55 SM
initial
3. Code files updated on disk
on 8/16/71 at 23:00 WZB
initial
4. Seals rotated on 8/16/71 at 23:30 WZB
initial

5. System Components Affected:

Name	Changes
<u>CPU</u>	<u>two level scheduler</u>
<u>CMMD1</u>	<u>get csp type from DER1 + AK.NULL</u>
<u>DER1</u>	<u>run before CMMD1</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 1/11/71 at 18:30. KPS
initial

2. Tape deadstarted and tests run
on / / at : :
same initial

3. Code files updated on disk
on / / at : :
same initial

4. Seals rotated on / / at : :
NA initial

5. System Components Affected:

Name	Changes
<u>PDU</u>	<u>ppu code changed</u>
<u> </u>	<u>for printer fix</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

note: write on #2 as
it had read parity error

1 write parity error

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 8/6/71 at 13:24.
initial W
2. Tape deadstarted and tests run
on / / at 13:30
initial VV
3. Code files updated on disk
on / / at 13:00
initial W
4. Seals rotated on / / at 14:00
initial W

5. System Components Affected:

[illegible]

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 7/30/71 at 13:30.

initial

- ## 2. Tape deadstarted and tests run

on / / at 13:35

 VV
initial

- ### 3. Code files updated on disk

on / / at 13:50

initial

4. Seals rotated on / / at 16:30

initial

5. System Components Affected:

[illegible]

6. Comments:

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 7/28/71 at 19:50.

HES
initial

2. Tape deadstarted and tests run

on 7/28/71 at 20:30

W 7d B
initial

X 3. Code files updated on disk

on / / at :

initial

4. Seals rotated on 7/28/71 at 20:50

HES
initial

5. System Components Affected:

Name	Changes
<u>USMPSU</u>	<u>up retry count to 4, thus 3 retries</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

patch to code files !!

CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 7/28/71 at 11:20 KPS
initial
2. Tape deadstarted and tests run
on 7/29/71 at 11:30 KPS
initial
3. Code files updated on disk
on 7/29/71 at 12:30 KPS
initial
4. Seals rotated on 7/29/71 at 12:27 KPS
initial

5. System Components Affected:

Name	Changes
<u>L/D/R</u>	<u>800 BPI, write parity</u>
<u>sys tape</u>	<u>over 2t recorded in</u>
	<u>Label - warnings for approaching</u>
	<u>name file - overflows</u>
	<u>CLNPROF is now a</u>
	<u>comment line -</u>
	<u>tape unloads again</u>

6. Comments:

Bill left sys tape with
an extra name in it.
Tape would thus not unload
after deadstart.
Booooo - Hissss

CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 7/27/71 at 12:55. SM
initial
2. Tape deadstarted and tests run
on 7/27/71 at 14:00 SM
initial
3. Code files updated on disk
on 7/27/71 at 14:00 SM
initial
4. Seals rotated on 7/27/71 at 14:00 SM
initial

5. System Components Affected:

Name	Changes
<u>CANADA</u>	<u>CANADA MSG DELETED</u>
<u>CANAD2</u>	<u>NEW SYSTEM BIT</u>
<u>USRDSK</u>	<u>KICK COMPLETED</u>
<u>TERMIN</u>	<u>COMM I/O records disk addresses</u>
<u>ACCTP</u>	<u>Records address of I/O Error</u>
	<u>Does pseudoclose after "load-</u>
	<u>recovery-complete"</u>

6. Comments:

NEW SYSTEMBIT KEY WDS.
PLEASE note that "STOP"
LEAVES FAKEGHOST AT PS
& CAN NOT be undone

CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 7/26/71 at 13:00

JM
initial

2. Tape deadstarted and tests run

on 7/26/71 at 14:00

JM
initial

3. Code files updated on disk

on 7/26/71 at 16:00

JM
initial

4. Seals rotated on 7/26/71 at 16:00

JM
initial

5. System Components Affected:

Name	Changes
<u>CMMQA</u>	<u>KICK & STOP</u>
<u>CMMQB</u>	<u>" "</u>
<u>CMMQ2</u>	<u>" "</u>
<u>FAKOG</u>	<u>" "</u>
<u>CMMQ1</u>	<u>" "</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

6. Comments:

Please record any known bugs in the
system proper (not the BEAD, etc.)

PM Dump #2

Failure #18

2 word in Builder code file clobbered!!!

Builder user BI = 70133

ra = 73027

word clobbered = #1517 = pointer

[also a process clobbered BI = 566d

ra = 60110

PC = 12

usual Bridge host clobbered]

failure #17

state = 0

path = 2741

dump on 8127

only 1 TTY died

symptoms:

teletype died when called BCPC
previous process on ~~the~~ TTY kept
getting 6, 3, 0 errors when calling
SCOPE but other processes OK.

teletype was kicked and it did
the same thing. It was a
helper crash - maybe 2 helpers
since I did it twice.

__/_/_/____
date

__:_:____
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 16
(record in system log)

1. ECS System State W U S P B I p-ctr = 360

2. Post-Mortem Dump taken ?

X yes (reel# 1M6)
___ no

3. State of TTYS

___ all died immediately
___ dying one by one
___ all but 1 o.k.
___ other: _____

4. Symptoms of crash:

logged in, did some MCPs in
series, said
'EDITOR EARNMX'
& died.
TTY 0 responded to C.S.P.
but died after GUEST typed

5. Comments:

initial

__/__/__
date
__:__
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 15
(record in system log)

1. ECS System State W U S P B I p-ctr = 12

2. Post-Mortem Dump taken ?

☒ yes (reel# PM3)
☐ no

3. State of TTYs

☒ all died immediately
☐ dying one by one
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

TERMIN crashed - got
3,0,0 error doing move-block
at P=1760. Caused by
2 calls to BCP2 (!)

5. Comments:

initial

Printer was 3476

3476
(MM02 dead at
3476?
Helper also dead at

11/1/71
date
~17:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 14
(record in system log)

ra 73034
BI 70134
CMM02

1. ECS System State W U S P B I p-ctr = 3476?

2. Post-Mortem Dump taken ?

☒ yes (reel# 8126)
☐ no

ra 65147
BI 64064
Helper

3. State of TTYs

☐ all died immediately
☐ dying one by one
☐ all but 1 o.k.
☐ other: _____

ra 73034
BI 70134

4. Symptoms of crash:

control shift P would not work
also, 2 TTY's hung up
1 I know not where
other while calling Broadcast
2 dead processes 1) CMM02 at 3476
2) Helper could not get p-cmtr

- CMM02 has no lists
This is 4!

5. Comments:

14
initial

✓ Suspect hardware was unable to malfunction to deassert TSS after waived release. B10 machine
date 13/71
time 14:40
H.M.

CAL-TSS SYSTEM FAILURE LOG

Failure Number 13

(record in system log)

1. ECS System State W U S P B (I) p-ctr = 5271

2. Post-Mortem Dump taken ?

☒ yes (reel# TSS)
☐ no

PM DUMP TAPE
8

3. State of TTYs

☐ all died immediately
☐ dying one by one
☐ all but 1 o.k.
☒ other: (CSP) ignored

4. Symptoms of crash:

break light goes on

NO TTY response

SYSTEM at complete stop

5. Comments:

Program stop in middle of
great big buffer in ECS system
Is box looks really weird,
so does scheduler data,
have locations of these areas
changed?

initial

H.M.

10/24/71
date
12:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 12
(record in system log)

1. ECS System State W U (S) P B I p-ctr = 000000
2. Post-Mortem Dump taken ?
☒ yes (reel# PM dump tape 5)
☐ no
3. State of TTYs
☐ all died immediately
☐ dying one by one
☐ all but 1 o.k.
☒ other: JPROC was doing a recovery
4. Symptoms of crash:

P = 000000

5. Comments:

during user time out
would have muched
around more to see
what happened.

JM
initial

VV looked at this & pronounced it a machine error. Kept some P.O.
(just in case something like this should rear) & released tape 5.
W.

10/25/71
date
11:55
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 11
(record in system log)

1. ECS System State (W) U S P B I p-ctr =

2. Post-Mortem Dump taken ?

☒ yes (reel# PM3)
☐ no

3. State of TTYs

☒ all died immediately (as soon as touched disk system)
☐ dying one by one
☐ all but 1 o.k.
☐ other:

4. Symptoms of crash:

Possibly "caused" by DIDDLE of
Profile file while it was
exclusively claimed? See Failure
sheet #10

5. Comments:

One
initial

10/24/71
date
22:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 10
(record in system log)

1. ECS System State W U S P B I p-ctr = _____

2. Post-Mortem Dump taken ?

☒ yes (reel# 8145)
☐ no

3. State of TTYs

☐ all died immediately
☒ dying one by one
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

PVV { '.. STOP' in Fakeq. FRETRW blew
up, probably because someone
was exclusive chaining
while someone else was
working on the same file.

5. Comments:

W
initial

10/20/71
date
13:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 9

(record in system log)

1. ECS System State (W) U S P B I p-ctr = 101

2. Post-Mortem Dump taken ?

☒ yes (reel# PM 3)
☐ no

3. State of TTYs

☐ all died immediately
☒ dying one by one
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

d. sh system dead?
control shift P ok
some process activity

5. Comments:

initial

10/19/71
date
20:50
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 8
(record in system log)

1. ECS System State W U S P B I p-ctr = _____
2. Post-Mortem Dump taken ?
☒ yes (reel# 8141) *See TTY paper on Dave's desk*
☐ no
3. State of TTYS
☐ all died immediately
☐ dying one by one
☐ all but 1 o.k.
☒ other: _____
4. Symptoms of crash:
SWAP
NO ECS available, at most about 144
only one TTY active.
one TTY process dead at 12
due to interrupt bug during
building of BEADG.
much processor activity, however,
with IO?

5. Comments:

HS
initial

10/13/71
date
15:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 7
(record in system log)

1. ECS System State W U S (P) B I p-ctr = 0

2. Post-Mortem Dump taken ?

☒ yes (reel# PM) 7
☐ no

3. State of TTYs

☒ all died immediately
☐ dying one by one
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

with error mode 1
at 12101 (i think)
It is -

5. Comments:

This may be
hardware error

KPS
initial

10/13/71
date
14:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 6
(record in system log)

1. ECS System State (W) U S P B I p-ctr = _____

2. Post-Mortem Dump taken ?

☒ yes (reel# PM4)
☐ no

3. State of TTYs

☒ all died immediately
☐ dying one by one
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

Helper at cell 12

5. Comments:

IFS
initial

1107171
//_
date
21:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number #5
(record in system log)

1. ECS System State W U S P B I p-ctr = 12

2. Post-Mortem Dump taken ?

X yes (reel# 2)
___ no

3. State of TTYS

___ all died immediately
___ dying one by one
___ all but 1 o.k.
___ other: _____

*running,
but slowly*

4. Symptoms of crash:

5. Comments:

W

initial

9/14/71
date
15:50
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 4
(record in system log)

1. ECS System State W U S P B I p-ctr = idle loop

2. Post-Mortem Dump taken ?

☒ yes (reel# B) 8144
☐ no

3. State of TTYs

☐ all died immediately
☒ dying one by one
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

? LOGIN died when ~~password~~
was permanent directory name
was typed.

5. Comments:

initial

9/9/71
date

15:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 3
(record in system log)

1. ECS System State (W) U S P B I p-ctr = 1544X

2. Post-Mortem Dump taken ?

☒ yes (reel# PM DUMP 6)
☐ no

3. State of TTYS

☐ all died immediately
☒ dying one by one
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

ATTY dies whenever a
directory touched, or possibly
whenever a file touched.
mine died while listing a
particular directory.
another died while trying to login
on looking up permission.

5. Comments: disk IO errors had been reported 2 or 3 minutes
previous to first crash.

A third one died upon a in bas.c
had been going on for about 5 to 10
min after 1st TTY crashed. All in Bas.c

pcnth = 14007
PL = 16745
of process for TTY 4

HES
initial

9/6/71

date

≈ 15:30

time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 2
(record in system log)

1. ECS System State W U S P B I p-ctr = 2741

2. Post-Mortem Dump taken ?

☒ yes (reel# pm 8)

☐ no

3. State of TTys

☐ all died immediately

☐ dying one by one

☒ all but 1 o.k.

☐ other: _____

4. Symptoms of crash:

Helper in cm at 2741 = penta
TTY 4 in loop in disas system, see attached
TTY paper

5. Comments:

initial

AD
BRUCE
CALL
%DEBUG
SYSTEM...STOP
BOO, BEAD GHOST HERE
@PCAP #17
77777777777777001377
0000000000006200001224
@PCAP #14#52
77777777777777001577
0000000000006130001217
@PCAP #14#56
77777777777777001775
00000000004000000000
©

plat #170 10

0:06 0970
JECT TIME= 1
TIME = 12535104
XED ECS = 1715445240
OT SLOTS = 0
MAPPED ECS = 60750574400
TEMP DISK = 0
MONEY = 25347
GOOD DAY

TSS NOW UP
JPROC HERE
+
TSS NOW UP
JPROC HERE
+RECOVER
DISK AUDITED
RECOVERY COMPLETE
CAL TSS VERSION 2.0
PRESENT DIRECTORY?
TEMPORARY DIRECTORY?
VANCE
COMMAND PROCESSOR HERE
IDMPSCN

DUMP SCANNER VER 2.0
MOUNT DUMP TAPE
READY

TYPE,C,450,,10

CM 0000450	71600000015160010167	51110001262015273110
CM 0000452	73010560106100046000	01100000010100010174
CM 0000454	54200436471502646000	01100000010100010174
CM 0000456	54200436012067215226	20665126265462046000

READY

TYPE,C,650,,10TYP1
TYPE,C,10171,,2

CM 0010170	00000000000000000000	000000000000000073043
CM 0010172	000000000000000067362	01000103004600046000

READY

PRINT C,1

PRINT,C,67362,77777

3, 0,00 ERROR
MOD = 4000 1000

IP = 67 P = 337
... DEBUGGER HERE

RETRY

20, 4, 4 ERROR

MOD = 0 4
IP = 114 P = 336

... DEBUGGER HERE

FIN

20, 4, 4 ERROR

MOD = 0 4
IP = 114 P = 336

... DEBUGGER HERE

VIEW 1

20, 4, 4 ERROR

MOD = 0 4
IP = 114 P = 336

... DEBUGGER HERE

PDATA #67 10

PARAMETER > 10 CHARACTERS

14, 0, 0 ERROR

IP = 5646 P = 1222

... DEBUGGER HERE

PANIC

BOO, BEAD GHOST HERE

@PURGE

EAD SYNTAX

@PURGE

COMMAND PROCESSOR HERE

IDMPSCN

PANIC

COMMAND PROCESSOR HERE

!

Dead TTY - do not disturb! Vance

IDMPSCN
ERROR: CMMDS

000017, 000011, 0000000000000000 ERROR

ADDITIONAL INFORMATION FROM CMMDS IS

00000000000000000003

00000000000000000025

00000000000160004613

00000000000035004614

COMMAND PROCESSOR HERE

ISC

EDITOR

OUCH, I'VE BEEN KICKED!

BOO, BEAD GHOST HERE

@VIEW -1

000000000000621007474

00000000240000000000 CMMO

00000000240000000000

@VIEW 0

10000000000143000412

00000000200000000000 FAKED

00000000070000000000

@VIEW 1

20000000000000014450 ← 1st

00000000070000000000

00000000070000000000

@VIEW 2

00000000000035001501

00000000220000000000 BEADS

00000000220000000000

@VIEW 3

000000000000216002230

00000000240000000000 CMMO

00000000240000000000

@VIEW 4

00000000000035001032

00000000220000000000 BEADS

00000000220000000000

@VIEW 5

00000000000061000025

00000000300000000000 ROOT

00000000300000000000

@VIEW :

PDATA #0 20

00000 00000 00000 00000

00000 00000 00000 00000

00000 00000 00000 00000

00000 00000 00000 00624

00000 00000 00000 00010

00000 00000 00000 00005

23065 70601 13050 70000

00000 00000 00000 00005

00000 00000 00000 00024

00000 00000 00000 00624

00000 00000 00000 00234

00000 00000 00000 00010

00000 00000 00000 00167

23065 70601 13050 70000

00000 00000 00000 00000

00000 00000 00000 00167

@PDATA #624 0-20

00000 00000 00000 00000

00000 00000 00000 00000

00000 00000 00000 00000

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WAIT, PM DUMP COMING UP IN 2 TO 4 MIN

WE HAVE A SICK SYSTEM

WE NEED EVERYONE OFF OF THE SYSTEM BEFORE THE PM DUMP

SO THAT DESIRED INFO IS IN CENTRAL MEMORY

HES

WILL GIVE 1 MINUTE WARNING

WAIT, THIS IS YOUR ONE MINUTE WARNING

ALL OFF

PLEASE

HES

TSS NOW UP

USROSK # 17

*crashed helper
printer
32741
SVRAZ 10200
DI-10201*

CHAR:
DECIML
BAD SYNTAX
@DECIML 3
BAD SYNTAX
@DECIML 39 3
OCTAL VAL=0

TSS NOW UP
JPROC HERE
+DUMP
DISK AUDITED
=NOERRADDR
SYSTEM ..STOP
CALL SHIFT SUPERVISOR, (64)2-3043
PDATA 6 2
CALL SHIFT SUPERVISOR, (64)2-3043
DONTWORK
BOO, BEAD GHOST HERE
@PDATA 6 2
BAD PARAMETER IN EXPRESSION
@PDATA #6 2
00000 00000 00000 00003
00000 00000 00000 00025
@

TSS NOW UP
JPROC HERE
+DUMP
DISK AUDITED
=NOERRADDR
SYSTEM ..STOP
CALL SHIFT SUPERVISOR, (64)2-3043
DONTWORK
BOO, BEAD GHOST HERE
@PDATA #6 2
00000 00000 00000 00003
00000 00000 00000 00025

@VIEW 1
000000000000230000447
000000000160000000000
000000000160000000000
@VIEW 2
000000000000035007236
000000000220000000000
000000000220000000000
@VIEW 2-3
000000000000021006500
000000000240000000000
000000000240000000000
@VIEW 3-4
000000000000035001027
000000000220000000000
000000000220000000000
@VIEW 4-5
000000000000061000025
000000000030000000000
000000000030000000000
@VIEW 5-6

UNEXPECTED ERROR
2, 1, 1 ERROR
PARAMETER OR POINTER ERROR, PARAMETER TOO LARGE
@VIEW 0
100000000000143000412
000000000200000000000
000000000160000000000
@VIEW 0--1
0000000000000621007474
000000000240000000000
000000000240000000000
@

current type

PM dump 5

25:40

3 Sept '71

Vance

Backup I

*M DATA 40000 BASIC#1

*FIN

COMMAND PROCESSOR HERE

IBASIC

USER ERROR

2, 0, 0 ERROR

PARAMETER OF POINTER ERROR, PARAMETER TOO SMALL

BOO, BEAD GHOST HERE

@KKK↑

VIEW 1

00000000043373000457

00000001530000000000

00000001530000000000

@PDATA \$←#43373 4

40000 00265 00000 00017

00000 00000 00000 00020

00000 00002 00000 22021

00000 00000 00000 00022

@XPURGE

EAD SYNTAX

@PURGE

COMMAND PROCESSOR HERE

ISEV←RV

SERVICES HERE

*DELOWN TEMP↑

DELOWN R:TDLIST:GUEST

ERROR: CMMDS

000017, 000007, 0000000000000000 ERROR

ADDITIONAL INFORMATION FROM CMMDS IS

000000000000000000015

000000000000000000017

000000000000000000053

000000000000000000023

*ETELL 15 17

TEST OF ETELL

15, 17, 0 ERROR

DIRECTORY ERROR, DIRECTORY IS CURRENTLY RESEARVED

DELOWN TEMP↑

FILE←S R:PDLIST 10000 R:PDLIST:GUEST

*this happened during
the last run of the
system*

7/30/71
date
17:30
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 1
(record in system log)

(not applicable) 1. ECS System State W U S P B I p-ctr = _____

2. Post-Mortem Dump taken ?

☒ yes (reel# PM/3)
☐ no

3. State of TTYS

☐ all died immediately
☒ dying one by one ~~some~~
☐ all but 1 o.k.
☐ other: _____

4. Symptoms of crash:

Copy prevs wrens → 6,400 cur
newdf pwndiv: empty
shuttm empty wrens → 70575000
(See TTY paper on back)
Second TTY to touch wrens died

5. Comments:

typed STOP on TTY w. Multitach paper
(TTY & Bq2)

HES
initial

COMMAND PROCESSOR HERE

!SERV

SERVICES HERE

*DISPLAY PERMDIR

0000000000054000000000

0000000000000000000000

000000000000056000042

000000016330000001277

001404163200000001633

00000000235731233541

00000000235731233541

0000000000000000000000

*FIN

COMMAND PROCESSOR HERE

!COPY PVERS WVERS

USER ERROR

6, 4, 0 ERROR

ALLOCATION BLOCK ERROR, NOT ENOUGH DISK SPACE

BOO, BEAD GHOST HERE

@DISPLAY PERMDIR

0000000000054000000000

0000000000000000000000

000000000000056000042

000000016330000001277

001423532600000001633

00000000236270116265

00000000236270116265

0000000000000000000000

@FI↑

PURGE

COMMAND PROCESSOR HERE

!SERV

SERVICES HERE

*NEWDF PERMDIR:EMPTY

*SHAZAM EMPTY WVERS

%SYSERR

SYSTEM ..STOP

CALL SHIFT SUPERVISOR, (64)2-3043

CALL SHIFT SUPERVISOR, (64)2-3043

L0A5HR*, IF ANY OF THE SYSTEM PEOPLE IS AROUND:SYSERR IN 225 C

0

BOO, BEAD GHOST HERE

PANIC

@STOP

8/24/71
date
20:00
time

CAL-TSS SYSTEM FAILURE LOG

Failure Number 2
(record in system log)

1. ECS System State W U S P B I p-ctr = 22 — (?)

2. Post-Mortem Dump taken ?

X yes (reel# 8145)
— no

3. State of TTys

— all died immediately
— dying one by one
X all but 1 o.k.
— other: _____

4. Symptoms of crash:

HELPER DIED with file

5. Comments:

Km
initial

1558
0005
VIEW FROM
SUCCESSFULL COMPILE

+ R()
INITIALIZED
BREAK AT R+4
+ ATTACH("D",B)
+ R()
BREAK AT R+4
+ ↑
CONT
+ DETACH("D",B)
+ R()
BREAK AT R+4
+CONT
+ ATTACH("D",B)
+ FOR↑
EDIT
USER ERROR

3, 0, 40000000013000 ERROR
FILE ERROR, FILE DOESNT EXIST
BOO, BEAD GHOST HERE
@M;P
BAD SYNTAX
@PURGE
COMMAND PROCESSOR HERE
!PCAP TEMPDIR:XVINP
UNEXPECTED FRETURN
!SERV
SERVICES HERE
*PCAP TEMPDIR:XVINP
7777777777777001775
00000001362070003724
*PDATA TEMPDIR:XVINP#0
45445 73255 05127 11200
*FIN
COMMAND PROCESSOR HERE
!VERS

Hung

TIME AND
DATE

COMMENTS

TIME

DATE

3 Dec 70 B-mux died from power failure.
11:30 pm SOFTWARE did NOT Respond w/
2:30 pm DISASTER 8133 PM.

3 Dec 70 after hardware crash: current
2:30 PM SYSTEM TAPE didn't properly load.
PS with 'I' Light on. 8135 PM
[related to hardware??]

3 Dec 70 INTERRUPT SYSTEM DEAD:
1600 ctrl shift P doesn't work
6-1-0: IPROC. 8151 PM

first 2 dumps won't be checked: HES
3rd dump well known problem!
10 Dec 70 8133 DBASTE: delete SUBPROCS
14:15:00 - F-return from REFER 8133 PM

14:20:00 8135 next subp. has error 8135 PM
Karl running same subproc for
both these dumps. Display screen
showed heavy S-U light
until Karl tried sustained
BREAK ing. then U light only
w/ P-count = 12.
* system-user loop??

~~TIME TIME, is on CD - long delay - later~~

3 Sept → IPROC DEAD - dumps on tape
8145 - should be analyzed - ref

27 Sept 70 use of ADD an order to an operation
causes a PS because of hole in ACTIONL.
made a system of my own & fixed above
bug, but use of ADDORD causes arith
error in SUBPROC. took dumps. ~~line~~
→ That was my bug: STATUS of ADDORD
STILL UNKNOWN (28 Sept 70) ~~line~~

15 Oct → map compiler crash - suspect
compressor screwed up - dump on
tape 8145 - should be checked out further
by VV — ref (also tape 8119)

18 Oct disaster, different firmware, tape 8142 HES

30 OCT DISASTER: MUXINT [333 in MUXINT]
UNRECOVERABLE PARITY ERROR on one DUMP TAPE → 2 DUMPS
WERE TAKEN: 8133 [incomplete. up to 24 in ECS]
8149 [successful - cf. Keith's writeup re this situation]
down it, re-run P.D. in 15 min LOS!!! HES
A mch ran e-c test and clobbered ECS!!!

9 June 70

"SET ESM IN ANY SUBPROC" was found
to have a bug: it never worked.
~~From some test program~~

9 June 70

during disk dump, Tape writing stopped. Disk had sent
a request to tape ppu, had not received a response. ~~Intermittent~~ spooler
cells locked ok. Tape drive locked ok. Decided to load start pcs
and try as an HES

14 June

media news system, just changed the ppu inputs.
now the display driver just says "initializing"
HES

15 June

type 0 error on get, m701n, v8 and disk (on a data block!)
data pcs would start, disk recovery and error mount and!
HES

17 June

SAVEREG made an with error - pty
checking is wrong!

29/June

~~Tape driver will crash if
tape not vdy on write ?!~~

(prio) 6 April '70

6, 1, 0 error ^{ECS fragments so that an otherwise valid request fails,}
pseudo-bug: when we run out of ECS,
the allocator generates a 6, 1, 0
error; if a file block was being
allocated, some pointers are bent
& the system will most likely
come down soon. Other possible
errors may stem from half-done
allocation.

(prio) 6 April '70

free-space bug: it may rarely
happen that free space disappears
'cause ~~if~~ free blocks get merged
& exceed the max size free block

6 April '70

interrupt lock-out: event channel
code should always check I.WAIT
& delay for interrupts as necessary

6 April '70

interrupt allocation problem: the
interrupt stuff is scattered all over core

~~April address of ECS errors are 1 too large~~

7 JUNE 70

CELL 104 of my SUBPROCESS
DISAPPEARS DURING DESTROY SUBPROCESS
OPERATION. Happens ~~AFTER~~ ^{ON} Second
and subsequent CALLS TO DISK or
ANY OTHER SUBPROCESS. SEE INSTRUCTION
CARDS TO SEE HOW TO MAKE BUG VISIBLE