TO BE DONE AFTER A DUMP, LOAD OR RECOVER

TSS NOW UP
CALL TSS VERSION 1.1
NAME YOUR PERMANENT DIRECTORY
GIVE PASS WORD
TENTATIVE NAME FOR TEMPORARY DIRECTORY
COMMAND PROCESSOR HERE

Note:
(a)  indicates character to be typed by operator
(b)  all lines except (csp) end with a carriage return
25817 Gene

2-2008

OPERATOR

 LOGIN:

PERMANENT
DIRECTORY =

"OPERATOR"

PASSWORD =

"OPR"

TEMP. DIRECTORY = any unique name
Before discount

Contact:

Howard Sturcis
14 Skyline Drive
Woods. de Calif.

or via

Vance Vaughan
Computer Center

or via

David Hodell
TSS Dump Tapes are 8651 Thru 8670
CAL TSS VERSION 2.0
17:44:15 10/30/71
PERMANENT DIRECTORY?
- OPERATOR
GIVE PASSWORD
- 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
for sending messages

T.S.

WAIT,

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

TYPE

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

COMMAND PROCESSOR HERE

!LOGOFF

GOOD DAY
Note 2/8

IF SCOPE PEOPLE WANT THE SYSTEM AT 1800 - DUMP THE DISK SYSTEM. OTHERWISE DON'T DO ANYTHING (NO MORE RECOVER AT 1800).

ECS-TSS is Dead! 7/13/71 KPS
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.
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:

- do the TEST PROCEDURE (see page 4)
  - works
    - do you have an irate user on your hands?
      - yes
        - 2 or more irate users??
          - yes
            - can you induce him to use another TTY?
              - no
                - do procedure C
              - yes
                - do procedure C
          - no
            - do procedure C
      - no
        - do procedure B
        - fails
        - no
          - do procedure C
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:

- **is the screen showing one of the problems described on page 1?**
  - **yes** → go to page 1 and proceed accordingly
  - **no** →

- **does the user have a message on his TTY telling him to call the shift supervisor?**
  - **yes** → is the last line on the TTY the word 'CRUNCH'?
    - **yes** → do procedure D
    - **no** →
  - **no** → at this point, it is fair to note that we are suspicious that the user's TTY is down, or that the user himself is down

- **is his TTY dead?**
  - **no** → what is his problem???
  - **yes** → have him type CSP on his TTY
    - **responds** → do procedure E
    - **no response** → do the TEST PROCEDURE (see page 4)
      - **fails** → do procedure B
      - **works** → do procedure F
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 pages)

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 he is, tell him to call Gil Costa 2-2521 to report trouble with his TTY.

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

*see page on how to dump system

**The TTY may have been shift key
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.

TESTING PROCEDURE

```
100 PRINT 50*5
200 END
```

- an indicates characters to be typed by operator.
- all lines except `CSP` end with a carriage return.

- just a carriage return
- EXECUTION COMPLETE
- COMMAND PROCESSOR HERE
- PANIC IN COMMAND PROCESSOR

CSP
Unluckily, 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 it unloads, 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 other information relevant to this crash.
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 1/18/71 at 12:00
   KPS
   initial

2. Tape deadstarted and tests run
   on 1/18/71 at 12:00
   KPS
   initial

3. Code files updated on disk
   on 1/18/71 at 12:00
   KPS
   initial

4. Seals rotated on 1/18/71 at 12:00
   KPS
   initial

5. System Components Affected:

   Name     | Changes
   ---------|---------
   PPO code | new PEL leader
   Builder  | deadstart panel same
   24 calidescr | scratch PDE length
   24 word change
   24
   24

6. Comments:
   New deadstart panel!
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 11/27/71 at 17:55

2. Tape deadstarted and tests run
   on ______ at 18:00

3. Code files updated on disk
   on ______ at 8:30

4. Seals rotated on ______ at 19:15

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMNDA</td>
<td>cleanup</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

______________________________
______________________________
______________________________
______________________________
______________________________
______________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 11/12/71 at 14:02.

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

3. Code files updated on disk
   on 11/12/71 at 20:35

4. Seals rotated on _/__/ at __:

5. System Components Affected:
   
<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS4</td>
<td>repairs and minor delays</td>
</tr>
<tr>
<td>DS4N</td>
<td>retests all hardware errors</td>
</tr>
<tr>
<td></td>
<td>appropriate counts after restart</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 12

1. Tape written on 11/8/71 at 23:01.  
   Initial:

2. Tape deadstarted and tests run  
   on 11/9/71 at 23:00  
   Initial:

3. Code files updated on disk  
   on 11/8/71 at 23:00  
   Initial:

4. Seals rotated on 11/8/71 at 23:00  
   Initial:

5. System Components Affected:

   Name | Changes
   ---- | --------------------------------------------------------
   BEADS | name, LOCAL will be opened if a dynamic memory allocation occurs.
         | SPD field open duringCooldown
         | CPO: 500°C, CP: 460°C
         | fixed to return in X6 when finished

6. Comments:
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 11/14/71 at 13:30. initial

2. Tape deadstarted and tests run
   on 11/13/71 at 04:00. initial

3. Code files updated on disk
   on 11/14/71 at 13:40. initial

4. Seals rotated on 11/14/71 at 13:40. initial

5. System Components Affected:

   Name   | Changes
   ------|--------
   DISK  |        
   SYSTAPE |        
   NAME5 |        
   FULL |        
   OPE5 |        

6. Comments:
   --
   Setup user spec. - Leave it
   in build 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 2:30  RLA initial

4. Seals rotated on 11/4/71 at 2:00  RLA initial

5. System Components Affected:

   Name       Changes
   ---------   -----------------
   TLINE
   ------------
   NEWLINECOLLECTOR
   PROMPT, NOEC NO, GETSTRING
   ------------
   ------------
   ------------
   ------------

6. Comments:

   -----------------
   -----------------
   -----------------
   -----------------
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

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

2. Tape deadstarted and tests run on 1/2/71 at 20:30 WFB initial

3. Code files updated on disk on _/_/___ at __:__ WFB initial

4. Seals rotated on _/_/___ at __:__ WFB initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDAMS</td>
<td>Travel bug in subpage building</td>
</tr>
</tbody>
</table>

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 + 2h W initial

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

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

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS BUILDER</td>
<td>6 NOP's added</td>
</tr>
<tr>
<td></td>
<td>CALLS 1 OF THE NEW NOP'S</td>
</tr>
</tbody>
</table>

6. Comments:

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 10/16/71 at 20:30

2. Tape deadstarted and tests run
   on 10/16/71 at 21:00

3. Code files updated on disk
   on 10/17/71 at 08:30

4. Seals rotated on 10/18/71 at 02:30

5. System Components Affected:
   Name
   CMMCA
   CMMDB
   CMMDF
   
   Changes
   
   6. Comments:
      NOMINAL = H0008 YES SUPERS
      PRINTED DRIVER BAD TO
      PABAL PRINTED
      MDATA 7000 PRINT001#1
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 10/25/71 at 8:00
   Initial

2. Tape deadstarted and tests run
   on 10/27/71 at 2:10
   Initial

3. Code files updated on disk
   on 10/27/71 at 1:15
   Initial

4. Seals rotated on 10/27/71 at 01:50
   Initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Procedure updated, logs fixed</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

   IT IS A 4.0.2. HAVE NOT
   SHARED CODE OR MAIN FILE.
   SYSTEM IS BEING DUMPED
   WILL DO IT TOMORROW. 4.

   Initial

   10/27/71
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 10/23/71 at 12:50 KPS initial

2. Tape deadstarted and tests run
   on 10/23/71 at 13:10 KPS initial

3. Code files updated on disk
   on 10/23/71 at 13:10 KPS initial

4. Seals rotated on 10/23/71 at 13:10 KPS initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPU Code</td>
<td>PREFIX OLD PPU CODE with 2 programs source files are in PPU.S as 'PRE' and 'DUMP'</td>
</tr>
</tbody>
</table>

6. Comments:

Deadstart panel is changed with this tape -

See card in lane 1 door temp avail on tape.
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 10/21/71 at 10:00.  
   initial

2. Tape deadstarted and tests run  
   on 1/23 at 11:00.  
   initial

3. Code files updated on disk  
   on 1/23 at 11:00.  
   initial

4. Seals rotated on 1/23 at 11:00.  
   initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEADS</td>
<td>@Ti</td>
</tr>
<tr>
<td></td>
<td>lines up to 100</td>
</tr>
<tr>
<td></td>
<td>defined + can</td>
</tr>
<tr>
<td></td>
<td>not logon if acct #</td>
</tr>
<tr>
<td></td>
<td>set 7777B in a profile</td>
</tr>
<tr>
<td></td>
<td>(GENE has a bug)</td>
</tr>
<tr>
<td></td>
<td>such that they give a</td>
</tr>
<tr>
<td></td>
<td>BAD PASSWORD message</td>
</tr>
</tbody>
</table>

6. Comments:

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number __2__

1. Tape written on 10/20/71 at 15:30.
   __9M__
   initial

2. Tape deadstarted and tests run
   on__22__ at __11:10__
   __9M__
   initial

3. Code files updated on disk
   on __22__ at __22:45__
   __9M__
   initial

4. Seals rotated on__22__ at __22:30__
   __9M__
   initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM</td>
<td>accounting message</td>
</tr>
<tr>
<td></td>
<td>sundry tasks</td>
</tr>
<tr>
<td></td>
<td>timely info.</td>
</tr>
</tbody>
</table>

6. Comments:

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number ___

1. Tape written on 20/Oct/71 at 12:30. 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
   ____________  ____________________________
   ____________  
   ____________  
   ____________  
   ____________  
   ____________  
   ____________  
   ____________  
   ____________  

6. Comments: Failed - RMD upon 8/4/72
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 10/19/71 at 4:40.
   _W/H_ B
   initial

2. Tape deadstarted and tests run
   on _//_ at __:
   _W/H_ B
   initial

3. Code files updated on disk
   on _//_ at __:
   _W/H_ B
   initial

4. Seals rotated on _//_ at __:
   _W/H_ B
   initial

5. System Components Affected:

   Name
   Beads
   __________
   _________
   _________
   _________
   _________
   _________

   Changes
   CPCINUSR can create a
   user in any .USER directry
   & S P D I R . S P E C I A L
   in the directory which was
   the subprocess descriptor

6. Comments:

   _______________________________________
   _______________________________________
   _______________________________________
   _______________________________________
   _______________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 10/15/71 at 08:30. 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:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEADS</td>
<td>new axis - better error handling - S18714 will never go negative</td>
</tr>
</tbody>
</table>

6. Comments:
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 10/11/71 at 13:45
   Initial

2. Tape deadstarted and tests run
   on 10/11/71 at 13:45
   Initial

3. Code files updated on disk
   on 10/11/71 at 14:15
   Initial

4. Seals rotated on 10/11/71 at 14:10
   Initial

5. System Components Affected:

   Name
   CMMDA
   CMMDD

   Changes
   Tape lock renamed to TPELOCK
   Bug in blister fixed

6. Comments:

   ______________________________________
   ______________________________________
   ______________________________________
   ______________________________________
   ______________________________________
   ______________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 01/11/71 at 2:00 W initial

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

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

4. Seals rotated on __/__/__ at __:__ W initial

5. System Components Affected:

   Name
   ECS-875PAR

   Changes
   603 Teletype act

6. Comments:

   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
   _____________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

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

2. Tape deadstarted and tests run
   on 10/16/71 at 10:00.

3. Code files updated on disk
   on 1/1/72 at __:

4. Seals rotated on 1/1/72 at 16:10

5. System Components Affected:

   Name          Changes
   COMMAND
   CMAMOB
   QLIST, QLIST
   AIRSIS
   ____________
   ____________
   ____________
   ____________
   ____________

6. Comments:
   BEEPS code file 1002
   Streamed before machine
   Went down for more of
   EVANS
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

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

2. Tape deadstarted and tests run on __/__/__ at 12:00 W initial

3. Code files updated on disk on __/__/__ at 12:00 W initial

4. Seals rotated on __/__/__ at 12:00 W initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS/Interrupt</td>
<td></td>
</tr>
<tr>
<td></td>
<td>disk request (ECS 1 40 0 from 12)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 9/11/74 at 1:00  [Initial]

2. Tape deadstarted and tests run on ___/___ at ___:__ [Initial]

3. Code files updated on disk on 9/11/74 at 12:00 [Initial]

4. Seals rotated on ___/___ at ___:__ [Initial]

5. System Components Affected:

   Name  Changes

   BEADS
   ______
   ______
   ______
   ______
   ______
   ______
   ______

   [Handwritten notes: connect, run, compare, etc.]

6. Comments:

   [Handwritten notes: BILL P.H. BEADS CODE BEADS]

   [Handwritten notes: GENE'S CMOD has been locked UP!!!]
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 9/1/74 at 18:10.

2. Tape deadstarted and tests run
   on 9/9/74 at 09:30.

3. Code files updated on disk
   on 9/9/74 at 10:50.

4. Seals rotated on 9/9/74 at 10:45.

5. System Components Affected:

   Name       Changes
   DIRSYS     Myriad little things, including:
   ___________
   ___________
   ___________
   ___________
   ___________

6. Comments:

   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 2/8/71 at 2:00
   initial

2. Tape deadstarted and tests run
   on 2/1 at 12:15
   initial

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

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

5. System Components Affected:

   Name | Changes
   ---- | --------
   RANDA | change output formatted
   BEAKS | some bugs fixed

6. Comments:
   DAVE:
   1. used FIXRACE
   2. Bucked up written
      "old" current tape method
      of backup 2!
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 9/7/71 at 2:30. [Initial]

2. Tape deadstarted and tests run
   on 4/7/71 at 2:45. [Initial]

3. Code files updated on disk
   on ___/___ at 3:00. [Initial]

4. Seals rotated on ___/___ at 3:00. [Initial]

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANDDA</td>
<td>SUNDRY KNOBS FIXED;</td>
</tr>
<tr>
<td></td>
<td>TAPE DRIVE LOC added in</td>
</tr>
<tr>
<td></td>
<td>SPDCC; CHARGES AVAILABLE</td>
</tr>
<tr>
<td>CANDDA</td>
<td>Charges</td>
</tr>
<tr>
<td></td>
<td>need 10 steps</td>
</tr>
<tr>
<td>CANDDA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

   AM still changing PRIME
   TO DAVE; FIX RCAR TO AVOID
   SYSTEM INITIALIZATION TIMING
   CRASH.
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 9/3/71 at 7:00
   initial

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

3. Code files updated on disk
   on 9/2/71 at 23:30
   initial

4. Seals rotated on 9/4/71 at 02:30
   initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEADS</td>
<td>SWAPPED FCS changed for SPECIAL</td>
</tr>
</tbody>
</table>

6. Comments:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 3


2. Tape deadstarted and tests run on 9/3/71 at 14:00

3. Code files updated on disk on 9/3/71 at 16:30

4. Seals rotated on 9/3/71 at 17:15

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMMD</td>
<td>Readmes swapped ECS</td>
</tr>
<tr>
<td>PRETRW</td>
<td>swapped ECS meters + readl improvements in accounting</td>
</tr>
<tr>
<td>HELPER</td>
<td></td>
</tr>
<tr>
<td>USRDSK</td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

Swapped ECS meters in and running. Meters not being read by upper labels (I.e.: Attention Bill Bridge)
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 9/2/71 at 17:30. J.W.B initial

2. Tape deadstarted and tests run on 9/2/71 at 18:15. J.W.B initial

3. Code files updated on disk on 9/2/71 at 18:00. W.H.B initial

4. Seals rotated on 9/2/71 at 18:45. Z.W.H initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMD</td>
<td>sends proper parameters to CLNS/PROF and returns to diff card on BILL</td>
</tr>
<tr>
<td>CMD01</td>
<td>sends CP/CHRG to WARN and interlocks with CP/CHRG.</td>
</tr>
<tr>
<td>PROF(BREADS)</td>
<td>returns from GEN/ERROR call from CMD.</td>
</tr>
</tbody>
</table>

6. Comments:

1. KPS 10:00 9/3/71

"doesn't deadstart"
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 9/1/71 at 12:50.  
   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
   ------- -------------------------------
   SWAP   Fix so idle time untimed as ramp time
   INIT I   in my special clock
   INIT II  make clock file read
   INTM   
   INTM    
   INTM    
   INTM    
   INTM    
   INTM    

6. Comments:  FAILED

   AM dump on 814L
   Crash in CMD2
   (we made a tape that crashed in COMMON
   at a ref to & EC, I PREVCH
   "A057 fixed (long ago)"
   (5/4) Just TSS code, move a second
   }
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 8/30/71 at 11:10
   initial

2. Tape deadstarted and tests run
   on 8/30/71 at 11:15
   initial

3. Code files updated on disk
   on 8/30/71 at 11:35
   initial

4. Seals rotated on 8/30/71 at 11:37
   initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM</td>
<td></td>
</tr>
<tr>
<td>MISC</td>
<td></td>
</tr>
<tr>
<td>SWAP</td>
<td></td>
</tr>
<tr>
<td>INIT</td>
<td></td>
</tr>
<tr>
<td>MINDER</td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:


CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 5/29/71 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:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>fix long in multiple area/hang</td>
</tr>
</tbody>
</table>

6. Comments:

   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number

1. Tape written on 8/12/71 at 19:00

2. Tape deadstarted and tests run
   on _/__/ at 18:30

3. Code files updated on disk
   on _/__/ at 12:55

4. Seals rotated on _/__/ at 19:05

5. System Components Affected:

   Name | Changes
   -----------------------------
   CMADA | TIME ADDED
           | Sunday, Bugs Fixed

6. Comments:

   Remade my system tape to
   incorporate changes made 8/12/71
   NO DEADSTART AT THIS TIME
   My system worked without that change
   of 7/12 changes worked without
   mine. 18.5 8/25 changes = 0
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 8/24/74 at 1:30. W.H.B initial

2. Tape deadstarted and tests run
   on 9/15/74 at 11:30 W.H.B initial

3. Code files updated on disk
   on 9/16/74 at 17:00 W.H.B initial

4. Seals rotated on 8/24/74 at 2:20 W.H.B initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEADS</td>
<td>New code cleanup done, before data file written.</td>
</tr>
<tr>
<td>CLNPRDF</td>
<td>Code misplaced on TTY if attempt to save backup failed</td>
</tr>
</tbody>
</table>

6. Comments:

   Updates not done

   TSS: BILL: E0: BEADS -> CODE: BEADS
   REMOVE E0 FROM CMM5.PROF
   REMOVE O: FROM CMM5:BEADS
   BADSPOT SKIPPED
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 6/14/71 at 20:45.  
   initial

2. Tape deadstarted and tests run
   on 6/14/71 at 20:45  
   initial

3. Code files updated on disk
   on 6/14/71 at ___:___  
   initial

4. Seals rotated on 6/14/71 at 22:10  
   initial

5. System Components Affected:

   Name
   ________________
   coll
   ______
   ________________
   cmmd
   ______
   ________________
   ______
   ______
   ______
   ______
   ______

   Changes
   ___________________________
   SCHAP + BUMP FOR
   READING HKESYS PROCESSES
   LOGON AIDS.
   LOGOUT: PAPERS INHIBITED
   NICS, DAYFILE

6. Comments:

   ___________________________
   ______
   ___________________________
   ______
   ___________________________
   ______
   ___________________________
   ______
   ___________________________
   ______
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 8/27/76 at 7:00. initial

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

3. Code files updated on disk
   on 1/1 at same
   same

4. Seals rotated on 1/1 at same
   same

5. System Components Affected:

   Name  Changes
   CMMD
   BEADS
   CMMD
   FULL
   CNPROF

   input
   new logon procedure
   call on BEADS & JPROC
   accounting stuff all in
   makes new operations
   makes operations with updating
   added CNPROF
   new subroutine in JPROC

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 21:20. YM initial

2. Tape deadstarted and tests run on 8/22/71 at __:__ YM initial

3. Code files updated on disk on 8/22/71 at __:__ YM initial

4. Seals rotated on 8/22/71 at __:__ YM initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code: CMMD</td>
<td>profile things are in</td>
</tr>
<tr>
<td>Code: CLNPEDF</td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 29 Aug 1 at 12:00
2. Tape deadstarted and tests run on 1/1 at 12:05
3. Code files updated on disk on 1/1 at 12:30
4. Seals rotated on 1/1 at 12:30

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS system event channels</td>
<td>destroy event channel world when processes are hung on the channel</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Comments:

I don't know why tape #1 was backed up 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_. 
\[ \text{initial} \]

2. Tape deadstarted and tests run 
on _8/16/71_ at _23:55_. 
\[ \text{initial} \]

3. Code files updated on disk 
on _8/16/71_ at _25:00_. 
\[ \text{initial} \]

4. Seals rotated on _8/16/71_ at _23:30_. 
\[ \text{initial} \]

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>TWO level scheduler</td>
</tr>
<tr>
<td>CMDMD</td>
<td>get cap tape from DDR1 + AK, NULL</td>
</tr>
<tr>
<td>DDR1</td>
<td>used before CMDMD</td>
</tr>
</tbody>
</table>

6. Comments:

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 11/11/71 at 19:30. Initial

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

3. Code files updated on disk on ___/___ at ___:___ Initial
   same

4. Seals rotated on ___/___ at ___:___ Initial
   NA

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDU</td>
<td>code changed</td>
</tr>
<tr>
<td></td>
<td>printer fix</td>
</tr>
</tbody>
</table>

6. Comments:
   note: write on #2 as it had read parity error
   I write parity error
CAL-TSS DEADSTART TAPE LOG

Tape Number 2

1. Tape written on 8/6/71 at 13:24. W initial

2. Tape deadstarted and tests run on _/__/ at 13:30 V/V initial

3. Code files updated on disk on _/__/ at 13:00 W initial

4. Seals rotated on _/__/ at 14:00 W initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS-Sub80c</td>
<td>1) Fix to Force return stuff</td>
</tr>
<tr>
<td></td>
<td>2) Count subgroups calls</td>
</tr>
</tbody>
</table>

6. Comments:
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

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

2. Tape deadstarted and tests run
   on 1/1/ at 11:35

3. Code files updated on disk
   on 1/1/ at 13:50

4. Seals rotated on 1/1/ at 16:30

5. System Components Affected:

   Name | Changes
   ---- | ----------
   ECS-scheduler | Laid a better trap for the scheduler problem

6. Comments:

   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

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

2. Tape deadstarted and tests run
   on 7/28/71 at 20:30 initial

3. Code files updated on disk
   on 7/28/71 at 20:50 initial

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

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>UVDA567</td>
<td>up ref to 4, 4+5 more 3 ref 4vs</td>
</tr>
</tbody>
</table>

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 7/28/71 at 11:30 KPS
initial

3. Code files updated on disk
   on 7/30/71 at 12:30 KPS
initial
   7/29/71

4. Seals rotated on 7/29/71 at 12:27 <15
initial

5. System Components Affected:

   Name | Changes
   -------------------------
   L/DVR  | 800 BPI write parity
           | error that recorded in
           | label warnings for approaching
           | overshoot
   sys tape | name file -
   | CII PROF is now a
   | comment line -
   | tape unloads again

6. Comments:

   Bill left sys tape with
   an extra name in it.
   tape would thus not unload
   after deadstart.
   BROO00 - HISSSS
CAL-TSS DEADSTART TAPE LOG

Tape Number 3

1. Tape written on 7/20/71 at 12:55. 8/11 initial

2. Tape deadstarted and tests run on 4/10 at 14:00 8/11 initial

3. Code files updated on disk on 2/22/71 at 14:00 8/11 initial

4. Seals rotated on 7/27/71 at 14:20 8/11 initial

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMND4</td>
<td>CMND4  MOS STOP, NEW SYSTEM ACT</td>
</tr>
<tr>
<td>CMND2</td>
<td>KICK COMPLETED</td>
</tr>
<tr>
<td>USRDSK</td>
<td>COMM/IO records disk addresses</td>
</tr>
<tr>
<td>TERMIN</td>
<td>Records address of I/O Error</td>
</tr>
<tr>
<td>ACCCP</td>
<td>Does not close after &quot;load- recovery-complete&quot;</td>
</tr>
</tbody>
</table>

6. Comments:

New OSRENBIT 32 KEY WOS.
Please note that "stop" leaves FAKEGHOST at RS
I can NOT be undone.
CAL-TSS DEADSTART TAPE LOG

Tape Number 1

1. Tape written on 7/4/71 at 13:30

2. Tape deadstarted and tests run
   on 7/4/71 at 21:00

3. Code files updated on disk
   on 7/4/71 at 16:00

4. Seals rotated on 7/4/71 at 16:30

5. System Components Affected:

<table>
<thead>
<tr>
<th>Name</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMON</td>
<td>Kick &amp; stop</td>
</tr>
<tr>
<td>COMMON</td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td>COMMON</td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td>FAX02</td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td>COMMON</td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td></td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td></td>
<td>&quot; &quot;</td>
</tr>
</tbody>
</table>

6. Comments:

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
Please record any known bugs in the system proper (not the BREAD, etc.)
Failure #18

2 words in Build are file clobbered!!!

Build: vn 31 = 10133
rc = 75022

Word clobbered = E1517 = point

also a process clobbered vn 31 = 56601
rc = 60110
pc = 12

 VScri9 Brod ghost clobbered
Filed #17

state = 0  ptn = 2741

dump on 8127

only 1 TTY died

Symptoms:

Teletype died when called BCP6
previous process on the TTY kept getting 6, 3, 0 errors when calling $CORE but other processes ok.
Teletype was kicked and it did the same thing. It was a helper crash - maybe 2 helpers since it did it twice.
CAL-TSS SYSTEM FAILURE LOG

Failure Number _16_ (record in system log)

1. MCO System State W U S P B I p-ctr = _360_

2. Post-Mortem Dump taken?
   - [ ] yes (reel #2M6)
   - [X] no

3. State of TTYs
   - [ ] all died immediately
   - [ ] dying one by one
   - [ ] all but 1 o.k.
   - [ ] other: __________

4. Symptoms of crash:
   - [ ] died, some MCA's
   - [ ] died, EMM
   - [ ] died, TTY 0 responded to CSL
   - [ ] died after guest typed

5. Comments:

   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________
   ______________________________________________________

   ___________ initial ________________________________
CAL-TSS SYSTEM FAILURE LOG

Failure Number 15
(record in system log)

1. ECS System State W [ ] 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 INI pack
   at P=1760, Caused by
   2 calls to BCP2 (?)

5. Comments:

   

   

   

   

   

   

   

   

   

   

   

   

   

   

   

   

   initial
CAL-TSS SYSTEM FAILURE LOG

Failure Number 14  
(record in system log)

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

2. Post-Mortem Dump taken?
   - Yes (reel # 8126)
   - No

3. State of TTYs
   - All died immediately
   - Dying one by one
   - All but 1 o.k.
   - Other: 

4. Symptoms of crash:
   - Control shift P avoided
   - Also, TTY's hung up
   - I didn't know where
   - Other while in call: broadcast
   - 2 dead processes 1) (MM02 at 3476)
     2) Helper

5. Comments:


initial
Failure Number 13
(record in system log)

1. ECS System State W U S P B I p-ctr = 527

2. Post-Mortem Dump taken?
   - yes (reel#)
   - no

3. State of TTYs
   - all died immediately
   - dying one by one
   - all but 1 ok.
   - other: CSP exposed

4. Symptoms of crash:
   - NO TTY Response
   - SYSTEM at complete stop

5. Comments:
   Program stops in middle of great log buffer in ECS system.
   To look at schedulers data, have locations of these altered.

Initial: PM
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#)
   - no

3. State of TTYs
   - all died immediately
   - dying one by one
   - all but 1 o.k.
   - other: SRCV was doing

4. Symptoms of crash:
   - a recovery

      \(P = 0000000\)

5. Comments:
   - during was time out
   - would I have missed
   - ground more to see
   - what happened.

   [Initial: AM]

   [Notes:]
   - Looked at this - pronounced it a machine error. Kept some P.O. (just in case something like this should occur) & released Eyes 5, 6.
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?
   X yes (reel# PM3)
   no

3. State of TTYs
   X all died immediately (as soon as touched
   dying one by one
died system)
   all but 1 o.k.
   other: _______

4. Symptoms of crash:
   Possibly caused by DIDDLE of
   panicked file while it was
   exclusively closed? See Failure
   sheet #10

5. Comments:


initial
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?
   X yes (reel# 8145)
   ___ no

3. State of TTYs
   ___ all died immediately
   X dying one by one
   ___ all but 1 o.k.
   ___ other: __________

4. Symptoms of crash:

   STOP in Fakeg. FREIRW blew up, probably because someone
   was exclusive chaining while someone else was working on the same file

5. Comments:

   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________

W initials
CAL-TSS SYSTEM FAILURE LOG

Failure Number 9
(record in system log)

1. ECS System State [W] U S P B I p-ctr = 1841

2. Post-Mortem Dump taken?
   [x] yes (reel 3)
   [ ] no

3. State of TTYs
   [x] all died immediately
   [ ] dying one by one
   [x] all but 1 o.k.
   [ ] other: 

4. Symptoms of crash:

   [ ] system dead?
   [ ] control shft out
   [ ] some process activity

5. Comments:

   ___________________________________________
   ___________________________________________
   ___________________________________________
   ___________________________________________
   ___________________________________________

   initial
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 space available, at most about 14 k
   - only one TTY active
   - one TTY process dead at 12
   - due to interrupt by during building of board
   - much processor activity, however

5. Comments:
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________

______________________________
initial
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)
   no

3. State of TTYs
   all died immediately
   dying one by one
   all but 1 o.k.
   other:

4. Symptoms of crash:
   at 12101 (it went)

5. Comments:
   this may be hardware error

Initial KPS
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# __04__)  □ no

3. State of TTYs
   □ all died immediately
   □ dying one by one
   □ all but 1 o.k.
   □ other: ____________

4. Symptoms of crash:
   ____________
   ____________
   ____________
   ____________
   ____________
   ____________

5. Comments:
   ____________
   ____________
   ____________
   ____________
   ____________

Initial __IES__
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:

   _______________________________________
   _______________________________________
   _______________________________________
   _______________________________________
   _______________________________________
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?
   X yes (reel# 8144)
   _ no

3. State of TTYs
   X all died immediately
   _ dying one by one
   _ all but 1 o.k.
   _ other: 

4. Symptoms of crash:

   _

5. Comments:

   _

   _

   _

   _

   _

   _

   _

   _

   _

   _

   _

   initial
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#6)
   \   no

3. State of TTYs
   ___ all died immediately
   ___ dying one by one
   ___ all but 1 o.k.
   ___ other: __________

4. Symptoms of crash:

   A TTY dies whenever a
   directory found or possibly
   whenever a file fetched.

   More died when dist to a
   particular directory.

   Another died while trying to
   run looking up program.

   Disk I/O errors had been reported 20-30 minutes
   previous to first crash.

5. Comments:

   A TTY died upon a "nodec"
   had been going on for about 5 to 10
   min after 1st TTY crashed. All "nodec"

[Initial]

ploit = 14007
pl = 16745
of process so-ty 4
CAL-TSS SYSTEM FAILURE LOG

Failure Number 2
(record in system log)

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

2. Post-Mortem Dump taken ?
   yes (reel # 08)
   no

3. State of TTYs
   all died immediately
   dying one by one
   all but 1 o.k.
   other: __________________

4. Symptoms of crash:
   HELP in CM at 2741 = panic
   TTY's in loop in down system see attached
   TTY paper

5. Comments:

   __________________
   __________________
   __________________
   __________________
   __________________
   __________________
   __________________

   initial
BAD
BRUCE
CALL
DEBUG
SYSTEM . STOP
BOO, BEAD GHOST HERE
@PCAP #17
77777777777777001377
00000000006200001224
@PCAP #14#52
777777777777777001577
00000000006130001217
@PCAP #14#56
777777777777777001775
00000000040000000000
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#pu/3)
   ___ no

3. State of TTYs
   ___ all died immediately
   __ dying one by one
   ___ all but 1 o.k.
   ___ other: __________

4. Symptoms of crash:
   ___ copy proc wvers 6,400 err
   ___ newf proc: empty
   ___ system empty wvers 70 ssserr
   ___ (see TTY paper on back)
   ___ second TTY to fourth wvers died

5. Comments:
   ___ typed SRR on TTY w/ multiform paper
   ___ TTY & BQ2

[Initial]
COMMAND PROCESSOR HERE
!SERV
SERVICES HERE
*DISPLAY PERMDIR
00000000005400000000
00000000000000000000
00000000000000000042
0000001633000001277
0014041632000001633
000000235731233541
000000235731233541
000000000000000000
*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
00000000005400000000
00000000000000000000
00000000000000000042
0000001633000001277
0014041632000001633
000000235731233541
000000235731233541
000000000000000000
@FI↑
PURGE
COMMAND PROCESSOR HERE
!SERV
SERVICES HERE
*NEWDF PERMDIR:EMPTY
*SHAZAM EMPTY WVERS
ZSYSERR
SYSTEM ..STOP
CALL SHIFT SUPERVISOR, (64)2-3043
CALL SHIFT SUPERVISOR, (64)2-3043
LØA5HR*, IF ANY OF THE SYSTEM PEOPLE IS AROUND:SYSERR IN 225 C

BOO, BEAD GHOST HERE
PANIC
@STOP
CAL-TSS SYSTEM FAILURE LOG

Failure Number 2
(record in system log)

1. ECS System State W ( ) 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:
   HELPERS DIED with file
   ________________________________
   ________________________________
   ________________________________
   ________________________________
   ________________________________

5. Comments:
   ________________________________
   ________________________________
   ________________________________
   ________________________________
   ________________________________

KM
initial
SUCCESS FULL COMPILE
+ R()
INITIALIZED
BREAK AT R+4
+ ATACH("D", R)
+ R()
BREAK AT R+4
+ T
CONT
+ DETACH("D", R)
+ R()
BREAK AT R+4
+ CONT
+ ATACH("D", R)
+ FOR
EDIT
USER ERROR

3, 0, 40000000013000 ERROR
FILE ERROR, FILE DOESNT EXIST
BOO, READ GHOST HERE
@M;P
BAD SYNTAX
@PURGE
COMMAND PROCESSOR HERE
*PCAP TEMPDIR: XVINP
UNEXPECTED FRETURN
!SERV
SERVICES HERE
*PCAP TEMPDIR: XVINP
777777777777777001775
00000001362070003724
*PDATA TEMPDIR: XVINP#0
45445 73255 05127 11200
*FIN
COMMAND PROCESSOR HERE
!VERS

Hung
3 Dec 70
11:30 pm
B-mux died from power failure.
Software did not respond w/ DISASTER

3 Dec 70
6:30 pm
After hardware crash: current system tape didn’t properly load.
PS with ‘I’ light on.
[related to hardware??]

3 Dec 70
16:00
Interrupt system dead:
crtl shift P doesn’t work
6-1-0: I Pacre.

First 2 dumps won’t be checked: yes
3rd dump well known problems!

12 Dec 70
14:15:00
8/133 DISASTER: delete subtapes
-F-return from RefCard

14:20:00
8/135 boot subp. has error
Karl running some subroutine
both these dump display screen showed heavy S+U light
until Karl tried sustained breaking, then U light only
W/P count = 12.  
* system-user loop ??
3 Sept — IPROC DEAD — dump on tape
8/45 — should be analyzed — RGF

25 Sept 70 use of ADD an order to an operation
causes a PS because of hole in AUTION
made a system of my own & fixed above
bug, but use of ADDORD cause drift
error in SUBPROC. took dump there

That was my bug: STATUS of ADDORD
still unknown (30 Sept 70) RGF

15 Oct — map compiler crash — suspect
computer screwed up — dump on
tape 8/145 — should be check out further
by VV — ok (above tape 8/119)

13 Oct disaster, different function, tape 8/42 HFS

30 Oct DISASTER: MUXENT [333 in MUXINT]
unrecoverable parity error on one DUMP TAPE — 2 DUMPS
were taken: 8/33 [incomplete — up to 14 in ECS]
8/49 [successful — cf. Keith's write-up re this situation]
down it, resat in 6 minutes!!! HFS
A much ran EST and clockread ECS —!!!
9 June 70  "SET ESM IN ANY SUBPROC" was found to have a bug; it never worked.

9 June 70  During disk dump, tape unit 3 stopped. Disk good; request to tape was good; tape read return. Tape drive locked. decided to load start ecs and try again.

14 June  media system was just changed. The po is now.

15 June  tape 0 error on set, move, or end dir (no data block?)

17 June  SAVE REG made an error - file checking is wrong!

29 June  Tape driver will crash if tape not oly on write??
6 April '70

ECS fragments so that an otherwise valid file request fails.

preside- thugs: When we run out of ECS, the allocutor generates a 6, 01, 0 error; i.e., a file block was being allocated, some pointers are bent in the system will most likely come down soon. Other possible errors may stem from half-clone allocation.

free-space thugs: it may rarely happen that free space disappears, cause if free blocks get merged and exceed the max size free block

6 April '70

interrupt look-out: event channel code should always check I.WAIT
+ delay for interrupt as necessary

6 April '70

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

address of ECS errors are 172 to large

7 June '70

Cell 104 of my sub-process disappears during destroy sub-process operation. Happens second and subsequent calls to disk or any open sub-process. See instruction card to see how to make bug visible