HEWLETT-PACKARD COMPANY

LOGIC SYSTEMS DIVISION

HP 64000
Logic Development
System

SYSTEM RELEASE BULLETIN

HP STARS II

64000 SOFTWARE RELEASE BULLETIN

Issue 87.12

DECEMBER, 1987

This document supersedes all previously dated SSBs.

HEWLETT
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READER COMMENT SHEET

STARS II SRB (STARS B)

Issue _____._____ DATE _____/_____/_____

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Is this bulletin technically accurate?   Yes [ ] No [ ]   (If no, explain under Comments, below.)

Are the concepts and wording easy to   Yes [ ] No [ ]   (If no, explain under Comments, below.)
understand?

Is the format of this bulletin convenient in size, Yes [ ] No [ ]   (If no, explain or suggest improvements under
arrangement and readability?   Comments, below.)

Comments:

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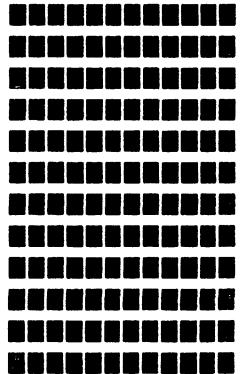
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P R E F A C E

This Software Release Bulletin documents all fixes and enhancements that are incorporated in the new release identified on the cover page. The SRB is provided as a benefit of Hewlett-Packard's Account Management Support, Response Center Support, and Software Materials Subscription.

Of the five sections contained in the SRB (not including the PREFACE), only the last section which contains the detailed reports has page numbers. These are referenced by the product, report number and keyword indexes in order to direct the user to a particular area or to an individual detailed report. The five sections are described below.

SOFTWARE RELEASE CONTENTS

This section lists the product names, numbers and update/fix levels of all products contained in this release. Products that have changed, or are new are denoted with an asterisk preceding the product name.

PRODUCT INDEX

Each unique product name/number has an entry listing the page number where the detailed report for that product begins.

REPORT NUMBER INDEX

This index is a sequential list of the individual report numbers with the corresponding page number where the report can be found.

KEYWORD INDEX

This index is sorted by product name, keyword, product number (including the update/fix level) and by report number in that order. In addition to the sort items, each entry has a brief description (one line) and the page number where the detailed report can be found. Note that a given report can be listed more than once in this section if it has more than one keyword assigned to it.

DETAILED REPORTS

Each report contains all the available information relevant to the problem being corrected or the enhancement being implemented.

Software release contents

Product name		Product number	uu.ff
*68000 ASSEMB		64845	01.13
*68000 ASSEMB	300	64845S004	01.30
*68000 ASSEMB	500	64845S001	01.70
*68000 ASSEMB	VAX	64845S003	02.00
*68020C AXLS COMP	300	64903S004	01.10
*6805 U&R EMUL	300	64192S004	01.00
*6805 E EMUL	300	64195S004	01.00
*6805 G EMUL	300	64194S004	01.00
*6805 P EMUL	300	64193S004	01.00
*68HC11 EMUL	300	64265S004	01.00
*80186 EMULATION	300	64224S004	01.10
*80188 EMULATION	300	64225S004	01.10
*8085 EMULATION	300	64203S004	01.20
*8086 DQ EMUL	300	64220S004	01.20
*8088 DQ EMUL	300	64221S004	01.10
*DIAG/CS 80 EXER/XFER		64934	01.04
*HP TEAMWORK	300	64711S004	01.10
*STATE ANALYZER	300	64620S004	01.10

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Report number index

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5000175539	19	D200079434	1	D200080499	11	D200081018	20
D200068866	11	D200079525	2	D200080523	14	D200081109	9
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	64221S004	01.00	Paging at a segment end produces a confusing CS:IP.	D200080291	15
	64221S004	01.00	pwd truncates the /net/system portion of the path when RFA'ed to system.	D200080531	15
	64221S004	01.00	Core Dump when modifing memory with smaller range than opsize	D200080739	16
	64221S004	01.00	Using Emulation across RFA can give incomplete symbol information	D200080846	16
	64221S004	01.00	Loading/modifing configuration after continue may cause reset.	D200081158	16
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Keyword	Product number	uu.ff	Description	Report #	page
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Keyword	Product number	uu.ff	Description	Report #	page
**********none**********	64225S004	01.00	Measurement System end_released when terminal cannot be initialized	D200069468	7
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	64225S004	01.00	Core Dump when modifing memory with smaller range than opsize	D200080754	8
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	64225S004	01.00	Loading/modifing configuration after continue may cause reset.	D200081174	10
	64225S004	01.00	Modify/Store memory abort at physical addr 0 for seg/offset procs	D200081216	10
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Keyword	Product number	uu.ff	Description	Report #	page
**********none**********	64203S004	01.00	Measurement System end_released when terminal cannot be initialized	D200068866	11
	64203S004	01.10	PC contents lost over continuation if in break state	D200081463	11
	64203S004	01.40	During HOLD, host times-out earlier than PI, requiring process kill.	D200077735	11
	64203S004	01.40	pwd truncates the /net/system portion of the path when RFA'ed to system.	D200080499	11

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Keyword	Product number	uu.ff	Description	Report #	page
**********none**********	64220S004	01.00	Core Dump when modifing memory with smaller range than opsize	D200077750	13
	64220S004	01.00	Modify/Store memory abort at physical addr 0 for seg/offset procs	D200080390	13
	64220S004	01.10	Apparent error during disassembly of the offset at an intrasegment jump.	D200080234	13
	64220S004	01.10	Paging at a segment end produces a confusing CS:IP.	D200080283	13
	64220S004	01.10	pwd truncates the /net/system portion of the path when RFA'ed to system.	D200080523	14
	64220S004	01.10	Using Emulation across RFA can give incomplete symbol information	D200080838	14

Number: D200079418 Product: 68020C AXLS COMP 300 64903S004   01.00

One-line description:
Static function declarations cause function to be external

Problem:
Text:
    Static function declarations used for forward referencing a
    function cause the function to be external.

A static function declaration of the form:

        static f();

appearing as the first declaration for a function in a file
causes the function to be external when it should be internal.

Temporary solution:
The problem that could be encountered as a result of this defect
is a link time conflict between two symbols of the same name
defined in different files where at least one of them is a function
whose lexically first declaration was of the form 'static f();'.

Two workarounds for this problem are:

    1) Change the name of one of the symbols in the C source.

    2) Move the function to precede the forward reference declaration
       and make sure the function is declared static.

Signed off 09/11/87 in release 401.10

Number: D200079434 Product: 68020C AXLS COMP 300 64903S004   01.00

One-line description:
E and R labels are incorrectly generated for OLS use
Problem:
Text:
    E and R labels are incorrectly generated for OLS (Old Language
    System) use.

OLS tools expect E and R labels to be the associated procedure name
with E or R prepended. AxLS (Advanced Cross Language System)
generates its assembly symbols with a prepended "_". However,
AxLS is generating the E and R labels ommitting the "_".

Temporary solution:
The problem resulting from this defect is that OLS tools cannot
determine the range of a function's code. This will be seen in
the emulator in that procedure ranges cannot be identified.

Workarounds for this problem are:

                              - -8

    1) Use a '#pragma ALIAS funcname funcname' to make the compiler
       generate an assembly label without a leading underscore.
       The ALIAS pragma must follow a declaration for the function,
       but precede the function body.

       Example:
           extern int f();
           #pragma ALIAS f f
           int f() {...}

    2) Use imbedded assembly to associate a non-underscore assembly
       name with the compiler generated underscore version.

       Example:

       f()
       {
           /* The XDEF should not be present if f is static. */
       #pragma ASM
           f   EQU _f
                XDEF f
       #pragma END_ASM
       }

Signed off 09/11/87 in release 401.10

Number: D200079525 Product: 68020C AXLS COMP 300 64903S004   01.00

One-line description:
Optimized code may not work for unsigned character constants.

Problem:
The peephole optimizer will perform an optimization which
changes the functionality of code when a constant literal of type
unsigned character and value >127 is used and then is followed
by a constant of larger type which has the same value.
The compiler generates a "MOVEQ #val,Dn" to reference a value of type
unsigned char. However, the MOVEQ instruction sign extends the value
so that Dn contains ('val'-256) when 'val' is >127. The peephole
optimizer assumes that Dn contains 'val' when performing optimizations.

Example:

main()
{
        register unsigned char c; /* Uses register variable D2. */
        register int i;   /* Uses register variable D3. */

        /* Compiler generates a MOVEQ #200,D2 which places -56
         * in register variable D2. The Lower 8 bits
         * will have the correct value of 200. */
        c = 200;
        /* Optimizer causes copy of value from D2 into D3 instead of
         * reloading an immediate 200 since it thinks D2 has 200 in it.
         * So D3 now contains -56. */

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```
        i = 200;
        /* The lower 8 bits of D2 will be properly widened to
         * generate a 32 value of 200 for 'c'. This value will
         * be compared with the -56 in 'i' and the test fails. */
        if(c != i)
                printf("Failure");
}
```

Temporary solution:
No temporary solution at this time.

Signed off 09/11/87 in release 401.10

Number: D200069450 Product: 80186 EMULATION 300 64224S004   01.00

One-line description:
Measurement System end_released when terminal cannot be initialized

Problem:
A measurement system will be end_released, resulting in loss of
data, when a non-supported terminal is used to enter a currently
locked measurement system. This problem will arise if the TERM
environment variable is not set to a value that is supported by
64000-UX. This may happen when logging in to a system over a
port that is not hard-wired (modem, LAN vt, etc.) where the
system prompts you for the Terminal type, which sets the TERM
variable.

Temporary solution:
Make sure that the TERM variable is set to a type of terminal
that is supported with 64000-UX. This can be verified by typing
"echo $TERM".

Signed off 11/05/87 in release 401.10

Number: D200080259 Product: 80186 EMULATION 300 64224S004   01.00

One-line description:
Apparent error during disassembly of the offset at an intrasegment jump.

Signed off 11/05/87 in release 401.10

Number: D200080309 Product: 80186 EMULATION 300 64224S004   01.00

One-line description:
Paging at a segment end produces a confusing CS:IP.

Signed off 11/05/87 in release 401.10

Number: D200080556 Product: 80186 EMULATION 300 64224S004   01.00

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netnaming across the LAN
to another system, such as a compile server, the HP-UX command
"pwd" which is used by the HP64000-UX product to tell what the
local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in
the HP 64000-UX application software. As soon as this defect is
fixed in HP-UX, it will work correctly when using the HP 64000-UX
applications.

Signed off 11/05/87 in release 401.10

Number: D200080747 Product: 80186 EMULATION 300 64224S004   01.00

One-line description:
Core Dump when modifing memory with smaller range than opsize

Problem:
A core dump will occur when modifying memory and specifying a
range that is smaller than the opsize.

The following command is an example:

        modify memory 1000h thru 1001h real to -10.0

Temporary solution:
Since the error results from an improper command, no work around
is necessary.

Signed off 11/05/87 in release 401.10

Number: D200080853 Product: 80186 EMULATION 300 64224S004   01.00

One-line description:
Using Emulation across RFA can give incomplete symbol information

Problem:
Accessing symbol data in a remote file across RFA may result
in incomplete symbol information being available. This
problem is a result of read() calls being interrupted during
file access over RFA.

This problem can also affect reading absolute data into memory as
well.

Temporary solution:
If this problem occurs while loading absolute data, attempting
to reload the file again may work.

There are two possible answers to this problem. The first is to
move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine
which is running the emulator. This can be done using the get64
program. When you load the emulator, a new .Y file will be created.

Signed off 11/05/87 in release 401.10

Number: D200081257 Product: 80186 EMULATION 300 64224S004   01.00

One-line description:
Display memory line crossing segment boundary will be wrong

Problem:

Display Memory and Modify Memory will be incorrect at the
segment wrap around, under the following conditions:

Display Memory will be wrong when the segment end is in the
center of a line.

Modify Memory will be incorrect if done beyond the end of a
segment.

Temporary solution:
Temporary workaround for each situation is as follows:

Display Memory should not be set to have the end of the segment
in the middle of the line being displayed.

Modify Memory will be correct if it is not extended through the end
of a segment. For example:

        modify memory 0FFFEH to 1,2 will be correct.

        modify memory 0FFFEH to 1,2,3 will NOT be correct, because
            the third entry is in the next segment.

Signed off 11/05/87 in release 401.10

Number: D200069468 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Measurement System end_released when terminal cannot be initialized

Problem:
A measurement system will be end_released, resulting in loss of
data, when a non-supported terminal is used to enter a currently
locked measurement system. This problem will arise if the TERM
environment variable is not set to a value that is supported by
64000-UX. This may happen when logging in to a system over a
port that is not hard-wired (modem, LAN vt, etc.) where the
system prompts you for the Terminal type, which sets the TERM
variable.

Temporary solution:
Make sure that the TERM variable is set to a type of terminal
that is supported with 64000-UX. This can be verified by typing
"echo $TERM".

Signed off 10/23/87 in release 401.10

Number: D200072447 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Incorrect breakpoint behaviour on continuing emulation.

Problem:
When using software breakpoints, and doing the following sequence,
emulation does not behave as expected.

run LOOP
modify software_breakpoints set LOOP
breaks into monitor, displays breakpoint and clears breakpoint
run
end   locked
return to emulation
modify software_breakpoints set LOOP
breaks into monitor, but does not display or clear breakpoint
at second iteration, things return to normal.

Signed off 10/23/87 in release 401.10

Number: D200080267 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Apparent error during disassembly of the offset at an intrasegment jump.

Signed off 10/23/87 in release 401.10

Number: D200080317 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Paging at a segment end produces a confusing CS:IP.

Signed off 10/23/87 in release 401.10

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Number: D200080564 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netunaming across the LAN
to another system, such as a compile server, the HP-UX command
"pwd" which is used by the HP64000-UX product to tell what the
local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in
the HP 64000-UX application software. As soon as this defect is
fixed in HP-UX, it will work correctly when using the HP 64000-UX
applications.

Signed off 10/23/87 in release 401.10

Number: D200080754 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Core Dump when modifing memory with smaller range than opsize

Problem:
A core dump will occur when modifying memory and specifying a
range that is smaller than the opsize.

The following command is an example:

        modify memory 1000h thru 1001h real to -10.0

Temporary solution:
Since the error results from an improper command, no work around
is necessary.

Signed off 10/23/87 in release 401.10

Number: D200080861 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Using Emulation across RFA can give incomplete symbol information

Problem:
Accessing symbol data in a remote file across RFA may result
in incomplete symbol information being available. This
problem is a result of read() calls being interrupted during
file access over RFA.

This problem can also affect reading absolute data into memory as
well.

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Temporary solution:
If this problem occurs while loading absolute data, attempting
to reload the file again may work.

There are two possible answers to this problem. The first is to
move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine
which is running the emulator. This can be done using the get64
program. When you load the emulator, a new .Y file will be created.

Signed off 10/23/87 in release 401.10

Number: D200081109 Product: 80188 EMULATION 300 64225S004   01.00

Keywords: OPTION TEST

One-line description:
The 64225 emulator is not allowed to run option test.

Problem:
The 64225 80188 emulator is not allowed to execute option test in
the HP-UX environment. The following error message is displayed:
"File not present   /usr/hp64000/inst/pv/pv0051 "
At this point the user can go no further with option test commands.

Temporary solution:
The file /usr/hp64000/inst/pv/pv0051 has been set with the wrong
permissions. It should be set with read AND execute permissions.
The permissions can be changed by a user with system privileges
with the following command:

sys chmod 555 /usr/hp64000/inst/pv/pv0051

This will now allow the user to execute option test for the 64225
80188 emulator.

Signed off 10/23/87 in release 401.10

Number: D200081117 Product: 80188 EMULATION 300 64225S004   01.00

Keywords: OPTION TEST

One-line description:
The individual tests for the 64224 80188 emulator cannot be executed.

Problem:
Once option test for the 64225 80188 emulator has been selected and
entered, the tests cannot be executed and the message "Optional
software not available" is displayed. Displaying one of the test
choices will give the user the message "Test cannot executed" and also
the message "pv0032file_asm not found"

Temporary solution:
There exists an erroneous reference to the file
"/usr/hp64000/inst/pv/pv0032file_asm." The correct file is present
and the reference can be changed to the correct file.

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A user with system privileges should issue the following commands

sys cd /usr/hp64000/inst/pv
sys ln pv0033file_asm pv0032file_asm

This will fix the erroneous reference.

Signed off 10/23/87 in release 401.10

Number: D200081174 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Loading/modifing configuration after continue may cause reset.

Problem:
Loading or modifying configuration without changing certain key items ma
y
cause a processor reset if it is done after exiting emulation, then con-
tinuing the emulation session whereas no reset would occur if the user
had not done an exit/continue.

Temporary solution:
Temporary work around: avoid using exit/continue in conjunction
with modifing or loading configuration in order to avoid a processor
reset.

Signed off 10/23/87 in release 401.10

Number: D200081216 Product: 80188 EMULATION 300 64225S004   01.00

One-line description:
Modify/Store memory abort at physical addr 0 for seg/offset procs

Problem:
Modify memory for a large range (> 4096 bytes) and store memory
(> 250 bytes) that crosses the physical address 0 boundary will
fail somewhere after physical address 0 on segment:offset processors.
For example, on the 8086, the following command will modify only part
of the requested range:

        modify memory 0FF00H:0 thru 0FF00H:0FFFFH to 0

since address 0FF00H:1000H is in fact physical address 0.

Temporary solution:
Temporary work around:

Do not attemt to modify/store memory through physical address 0H.

Signed off 10/23/87 in release 401.10

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Number: D200068866 Product: 8085 EMULATION   300 64203S004   01.00

One-line description:
Measurement System end_released when terminal cannot be initialized

Problem:
A measurement system will be end_released, resulting in loss of
data, when a non-supported terminal is used to enter a currently
locked measurement system. This problem will arise if the TERM
environment variable is not set to a value that is supported by
64000-UX. This may happen when logging in to a system over a
port that is not hard-wired (modem, LAN vt, etc.) where the
system prompts you for the Terminal type, which sets the TERM
variable.

Temporary solution:
Make sure that the TERM variable is set to a type of terminal
that is supported with 64000-UX. This can be verified by typing
"echo $TERM".

Signed off 11/05/87 in release 401.20

Number: D200077735 Product: 8085 EMULATION   300 64203S004   01.40

One-line description:
During HOLD, host times-out earlier than PI, requiring process kill.

Signed off 11/05/87 in release 401.20

Number: D200080499 Product: 8085 EMULATION   300 64203S004   01.40

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netnaming across the LAN
to another system, such as a compile server, the HP-UX command
"pwd" which is used by the HP64000-UX product to tell what the
local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in
the HP 64000-UX application software. As soon as this defect is
fixed in HP-UX, it will work correctly when using the HP 64000-UX
applications.

Signed off 11/05/87 in release 401.20

Number: D200081463 Product: 8085 EMULATION   300 64203S004   01.10

One-line description:
PC contents lost over continuation if in break state

Problem:
8085 (64203) and old z80 (64252) emulators do not save the PC value over
continuation. This only applies if the emulator is in the break state
when ending out of the emulator. On continuation the PC is set to zero.
Thus the first run command will start executing at zero if no address is

specified, and a registers display will list the Next PC as zero.

Signed off 11/05/87 in release 401.20

Number: D200077750 Product: 8086 DQ EMUL   300 64220S004   01.00

One-line description:
Core Dump when modifing memory with smaller range than opsize

Problem:
A core dump will occur when modifying memory and specifying a
range that is smaller than the opsize.

The following command is an example:

        modify memory 1000h thru 1001h real to -10.0

Temporary solution:
Since the error results from an improper command, no work around
is necessary.

Signed off 11/05/87 in release 401.20

Number: D200080234 Product: 8086 DQ EMUL   300 64220S004   01.10

One-line description:
Apparent error during disassembly of the offset at an intrasegment jump.

Signed off 11/05/87 in release 401.20

Number: D200080283 Product: 8086 DQ EMUL   300 64220S004   01.10

One-line description:
Paging at a segment end produces a confusing CS:IP.

Signed off 11/05/87 in release 401.20

Number: D200080390 Product: 8086 DQ EMUL   300 64220S004   01.00

One-line description:
Modify/Store memory abort at physical addr 0 for seg/offset procs

Problem:
Modify memory for a large range (> 4096 bytes) and store memory
(> 250 bytes) that crosses the physical address 0 boundary will
fail somewhere after physical address 0 on segment:offset processors.
For example, on the 8086, the following command will modify only part
of the requested range:

        modify memory 0FF00H:0 thru 0FF00H:0FFFFH to 0

since address 0FF00H:1000H is in fact physical address 0.

Temporary solution:
Temporary work around:

Do not attemt to modify/store memory through physical address 0H.

Signed off 11/05/87 in release 401.20

Number: D200080523 Product: 8086 DQ EMUL   300 64220S004   01.10

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netnaming across the LAN
to another system, such as a compile server, the HP-UX command
"pwd" which is used by the HP64000-UX product to tell what the
local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in
the HP 64000-UX application software. As soon as this defect is
fixed in HP-UX, it will work correctly when using the HP 64000-UX
applications.

Signed off 11/05/87 in release 401.20

Number: D200080838 Product: 8086 DQ EMUL   300 64220S004   01.10

One-line description:
Using Emulation across RFA can give incomplete symbol information

Problem:
Accessing symbol data in a remote file across RFA may result
in incomplete symbol information being available. This
problem is a result of read() calls being interrupted during
file access over RFA.

This problem can also affect reading absolute data into memory as
well.

Temporary solution:
If this problem occurs while loading absolute data, attempting
to reload the file again may work.

There are two possible answers to this problem. The first is to
move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine
which is running the emulator. This can be done using the get64
program. When you load the emulator, a new .Y file will be created.

Signed off 11/05/87 in release 401.20

Number: D200069435 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
Measurement System end_released when terminal cannot be initialized

Problem:
A measurement system will be end_released, resulting in loss of
data, when a non-supported terminal is used to enter a currently
locked measurement system. This problem will arise if the TERM
environment variable is not set to a value that is supported by
64000-UX. This may happen when logging in to a system over a
port that is not hard-wired (modem, LAN vt, etc.) where the
system prompts you for the Terminal type, which sets the TERM
variable.

Temporary solution:
Make sure that the TERM variable is set to a type of terminal
that is supported with 64000-UX. This can be verified by typing
"echo $TERM".

Signed off 10/23/87 in release 401.10

Number: D200080242 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
Apparent error during disassembly of the offset at an intrasegment jump.

Signed off 10/23/87 in release 401.10

Number: D200080291 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
Paging at a segment end produces a confusing CS:IP.

Signed off 10/23/87 in release 401.10

Number: D200080531 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netnaming across the LAN
to another system, such as a compile server, the HP-UX command
"pwd" which is used by the HP64000-UX product to tell what the
local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in
the HP 64000-UX application software. As soon as this defect is
fixed in HP-UX, it will work correctly when using the HP 64000-UX
applications.

Signed off 10/23/87 in release 401.10

Number: D200080739 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
Core Dump when modifing memory with smaller range than opsize

Problem:
A core dump will occur when modifying memory and specifying a
range that is smaller than the opsize.

The following command is an example:

        modify memory 1000h thru 1001h real to -10.0

Temporary solution:
Since the error results from an improper command, no work around
is necessary.

Signed off 10/23/87 in release 401.10

Number: D200080846 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
Using Emulation across RFA can give incomplete symbol information

Problem:
Accessing symbol data in a remote file across RFA may result
in incomplete symbol information being available. This
problem is a result of read() calls being interrupted during
file access over RFA.

This problem can also affect reading absolute data into memory as
well.

Temporary solution:
If this problem occurs while loading absolute data, attempting
to reload the file again may work.

There are two possible answers to this problem. The first is to
move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine
which is running the emulator. This can be done using the get64
program. When you load the emulator, a new .Y file will be created.

Signed off 10/23/87 in release 401.10

Number: D200081158 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
Loading/modifing configuration after continue may cause reset.

Problem:

Loading or modifying configuration without changing certain key items ma
y
cause a processor reset if it is done after exiting emulation, then con-
tinuing the emulation session whereas no reset would occur if the user
had not done an exit/continue.

Temporary solution:
Temporary work around: avoid using exit/continue in conjunction
with modifing or loading configuration in order to avoid a processor
reset.

Signed off 10/23/87 in release 401.10

Number: D200081182 Product: 8088 DQ EMUL   300 64221S004   01.00

One-line description:
Modify/Store memory abort at physical addr 0 for seg/offset procs

Problem:
Modify memory for a large range (> 4096 bytes) and store memory
(> 250 bytes) that crosses the physical address 0 boundary will
fail somewhere after physical address 0 on segment:offset processors.
For example, on the 8086, the following command will modify only part
of the requested range:

        modify memory 0FF00H:0 thru 0FF00H:0FFFFH to 0

since address 0FF00H:1000H is in fact physical address 0.

Temporary solution:
Temporary work around:

Do not attemt to modify/store memory through physical address 0H.

Signed off 10/23/87 in release 401.10

Number: D200081299 Product: 8088 DQ EMUL   300 64221S004   01.00

Keywords: EBPP

One-line description:
The 64221 8088 emulator will not operate with the 64304 EBPP.

Problem:
The 64221 8088 emulator will not operate with the 64304 card connected
to the 64620 state analyzer in the HP-UX environment. There are files
missing from the product tape.

Temporary solution:
The files are not available on the product tape. The customer
must contact the local System Engineer to obtain the necessary
files from the division.

Signed off 10/23/87 in release 401.10

Number: D200079053 Product: DIAG/CS 80 EXER/XFER 64934   01.03

One-line description:
PI Disk-to-Disk transfer does not handle 7907 removeable platter.

Signed off 10/23/87 in release 401.04

Number: 5000175521 Product: STATE ANALYZER   300 64620S004   01.00

One-line description:
negative logic confuses range measurement

Temporary solution:
see verifier text.

Signed off 11/05/87 in release 401.10

Number: 5000175539 Product: STATE ANALYZER   300 64620S004   01.00

One-line description:
octal display of trace can chop off most sig. bit

Temporary solution:
see verifier text.

Signed off 11/05/87 in release 401.10

Number: D200077016 Product: STATE ANALYZER   300 64620S004   01.10

One-line description:
Reading in a new config file may cause core dump.

Signed off 11/05/87 in release 401.10

Number: D200078899 Product: STATE ANALYZER   300 64620S004   01.10

One-line description:
trace dumped prematurely

Signed off 11/05/87 in release 401.10

Number: D200080168 Product: STATE ANALYZER   300 64620S004   01.10

One-line description:
pwd truncates the /net/system portion of the path when RFA'ed to system.

Problem:
When using the HP 64000-UX products and netnaming across the LAN
to another system, such as a compile server, the HP-UX command
"pwd" which is used by the HP64000-UX product to tell what the
local directory is, truncates the "/net/system" part of the path.

This is a HP-UX operating system defect. It is not a defect in
the HP 64000-UX application software. As soon as this defect is
fixed in HP-UX, it will work correctly when using the HP 64000-UX
applications.

Signed off 11/05/87 in release 401.10

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Number: D200081018 Product: STATE ANALYZER   300 64620S004   01.10

One-line description:
Using Emulation across RFA can give incomplete symbol information

Problem:
Accessing symbol data in a remote file across RFA may result
in incomplete symbol information being available. This
problem is a result of read() calls being interrupted during
file access over RFA.

This problem can also affect reading absolute data into memory as
well.

Temporary solution:
If this problem occurs while loading absolute data, attempting
to reload the file again may work.

There are two possible answers to this problem. The first is to
move the .Y file to the machine running the emulator.

The second solution is to move the program object to the machine
which is running the emulator. This can be done using the get64
program. When you load the emulator, a new .Y file will be created.

Signed off 11/05/87 in release 401.10

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HEWLETT PACKARD