

Revision D.00.04 Of Measurement Coprocessor Software <sep 94>

v1.1 / 19 oct 95 / gvg

* The latest revision of MCP (82300/82324) software is the last available. This revision has been released to fix three bugs:

% It was impossible in some PC configurations to run more than one MCP.

% The GDUMP_C utility did not support modern color printers.

% The current software would not work with early versions of the 82300 MCP.

All these defects have been corrected. Note that the GDUMP_C CSUB has been slightly enhanced in a few ways:

% The RESOLUTION parameter now allows any integer, with the default being 180. (Previously, if the parameter was less than 180, the parameter was interpreted as 90.)

% An additional parameter has been added to specify the color palette used to print images. This parameter can be "RGB" for the Red/Green/Blue palette used by most printers, or "CYM" for the Cyan/Yellow/Magenta palette used by the HP DeskJet 550C and 560C printers. The PALETTE\$ parameter is an optional parameter added after the ALGORITHM\$ parameter; it defaults to "RGB" for compatibility with the previous version of this utility.

The GDUMP_COLORED CSUB has also been revised to used run-length compression when appropriate. This has doubled printing speed in most cases.

Finally, the demo programs shipped with the last version have been slightly enhanced to provide routines for bar, pie, and line charts (and a few other minor utilities).

No further MCP software revisions are planned or foreseen.

* Revision history:

v1.0 / 01 sep 94 / gvg & eg

v1.1 / 19 oct 95 / gvg

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===== Y2K STATUS FOR Measurement Coprocessors =====Measurement Coprocessors bundled with Personal Computers:

82314E PC-308ML Controller - U.S.

82314EB PC-308ML Controller - Euro/English

82314ED PC-308ML Controller - German



82314EE	PC-308ML	Controller	- Spanish
82314EF	PC-308ML	Controller	- French
82314EK	PC-308ML	Controller	- ICON
82314ES	PC-308ML	Controller	- Swedish
82314EU	PC-308ML	Controller	- U.K.
82314EX	PC-308ML	Controller	- Finnish
82314EZ	PC-308ML	Controller	- Italian
82314F	PC-308ML	BASIC Controller	
82314G	PC-308ML	Instrument Controller	
82314L	PC-308ML	Controller	SPU, For Support Only
82315D	PC-308CL	Controller	- U.S.
82315E	PC-308CL	Controller	- U.S.
82315EB	PC-308CL	Controller	- Euro/English
82315ED	PC-308CL	Controller	- German
82315EE	PC-308CL	Controller	- Spanish
82315EF	PC-308CL	Controller	- French
82315EK	PC-308CL	Controller	- ICON
82315ES	PC-308CL	Controller	- Swedish
82315EU	PC-308CL	Controller	- U.K.
82315EX	PC-308CL	Controller	- Finnish
82315EZ	PC-308CL	Controller	- Italian
82319E	PC-308CM	Controller	- U.S.
82319EB	PC-308CM	Controller	- Euro/English
82319ED	PC-308CM	Controller	- German
82319EE	PC-308CM	Controller	- Spanish
82319EF	PC-308CM	Controller	- French
82319EK	PC-308CM	Controller	- ICON
82319ES	PC-308CM	Controller	- Swedish
82319EU	PC-308CM	Controller	- U.K.
82319EX	PC-308CM	Controller	- Finnish
82319EZ	PC-308CM	Controller	- Italian
82319F	PC-308CM	BASIC Controller	
82333E	PC-312CM	BASIC Controller	
82333F	PC-313CM	Controller	
82333G	PC-313CM	Controller	

Serial Numbers:

The Measurement Coprocessor products were not serialized.

The serial numbers are unknown for the personal computers included in the bundles above.

Y2K update information:

The products listed above included or operated on HP BASIC/DOS versions ranging from 5.1 to 6.2 . Since these versions are NOT Y2K compliant, the products that included or operated on them are NOT Y2K compliant. These products will not be made compliant.



Situation:

The HP BASIC Measurement Coprocessor software included with or operated on by these products include date and time processing functions as well as time-stamping of files created on a variety of file systems (LIF, HFS, DFS, and SRM).

The creation of files (any type) on LIF volumes are NOT Y2K compliant because the LIF format stores each year in only 2 digits.

For example, a LIF file created with the date set to "1 JAN 1910" shows the same date as another created with the date set to "1 MAR 2010":

FILE NAME	PRO	TYPE	REC/FILE	BYTE/REC	ADDRESS	DATE	TIME
junk1		HP-UX	256	1	33	1-Jan-10	0:00
junk2		HP-UX	256	1	34	1-Jan-10	0:00

Programs which use this date information may malfunction.

The creation of files (any type) on HFS volumes are NOT Y2K compliant.

For example, if one sets the following dates and creates a file:

```

Creating file with date:  1 Mar 1900
Creating file with date:  1 Jan 1939
Creating file with date:  1 Jan 1969
Creating file with date:  1 Jan 2000
Creating file with date:  1 Jan 2010
Creating file with date:  1 Jan 2045

```

Gives a file listing like this:

junk1	HP-UX	0	1	14-Dec-01	0:00	RW-RW-RW-	18	9
junk2	HP-UX	0	1	1-Jan-39	0:00	RW-RW-RW-	18	9
junk3	HP-UX	0	1	1-Jan-69	0:00	RW-RW-RW-	18	9
junk4	HP-UX	0	1	1-Jan-*0	0:00	RW-RW-RW-	18	9
junk5	HP-UX	0	1	1-Jan-*0	0:00	RW-RW-RW-	18	9
junk6	HP-UX	0	1	18-Jan-*8	0:00	RW-RW-RW-	18	9

Two of the dates are incorrect, and the use of "*" may cause problems for programs using dates in calculations. Note that one can not differentiate the file listings from "2000" and "2010".

Programs which use this date information may malfunction.

These Measurement Coprocessor bundled products included an MS-DOS operating system and the operating system may require a Y2K update. For more information, see the Microsoft Corporation Web site at URL: www.microsoft.com

The author is not aware of other Y2K problems in these products.

Solution / Action:

The closest replacement product for the products listed above (Measurement Coprocessor running on DOS) is the E2060B HP BASIC for Windows (running on Windows 3.1x, Windows 95, and Windows NT 4.0). The E2060B product does not include a personal computer.

Date:
November 16, 1998

```
*****  
*                                                                 *  
*              INFORMATION ONLY                                *  
*              -----                                         *  
*  AUTHOR/ENTITY: TC/0960                                       *  
*  ADDITIONAL INFO: _____                                  *  
*                                                                 *  
*****
```

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