

sun.datatype

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COLLABORATORS

	<i>TITLE :</i> sun.datatype		
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REVISION HISTORY

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Chapter 1

sun.datatype

1.1 sun.datatype Documentation

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1.2 legal

Legal

The sun datatype is freely distributable, but you may not charge for it, other than for reasonable media and distribution costs such as those charged by Fred Fish, the Aminet CD and other reputable PD libraries.

The sun datatype can be distributed as part of a datatype collection, but then you have to supply both the 68000 and the 68020 version.

If you really use this datatype, please send me some E-Mail. I'd like to know if people really use these things.

1.3 installation

How to Install

Simply double click on the sun.datatype.install icon and follow the onscreen instructions.

1.4 sun

What is a Sun Raster file ?

A Sun Raster file is a file of an image, used on Sun computers. The files can be compressed or uncompressed, just like IFF ILBM files. It looks much like an IFF file, but compression is a little different and also less efficient than IFF compression.

1.5 implementation

Implementation Details (Release Notes)

This implementation will decode Sun Raster files in up to 256 colours. 24 Bit Sun Raster images are converted to HAM8 on AGA systems. On systems with picture.datatype v43+, they show up in real 24 bit.

Only standard and byte-encoded files are handled. If a colourmap is supplied then it needs to be in equal RGB format.

1.6 history

Revision History

Version 43.1 released 2-3-1997

- Code optimized
- Removed specific check for cybergraphics.library
- Added check for DTST_FILE
- Recomplied with SAS/C V6.57
- Shortened the guide file
- Other E-mail address

Version 43.0 released 15-2-1996

- Added CyberGraphX support
- Finally removed bug when used with Workbench 3.0

Version 39.6 released 23-1-1995

- Replaced Chunky2planar and RGBtoHAM8 routines by assembler routines, made by John Hendrikx

Version 39.5 released 6-9-1994

- Bug fixed, black & white pictures were displayed wrong.
- Changed datatype description file from 'SUN Raster' to 'Sun Raster' to keep the same name convention as the Commodore 'Sun Audio' datatype.

Version 39.4 released 13-3-1994

- Uses less memory. If the file can't be read in 1 part, it will be read in smaller parts, requiring less memory
- NTSC and PAL screens are promoted to DBLNTSC and DBLPAL if available. BestModeID doesn't seem to do this always
- Added support for 24 bit images. These images are converted to HAM8, using a standard internal palette. No support for 24 bit cards yet
- Changed the datatype description file from SUN to SUN Raster
- Sources included

Version 39.3 released 15-2-1994

- Major bug fix. Compressed pictures using colour 0x80 were displayed wrong. I finally had some Sun images to test it.
- Removed some unused structure members
- Colourmap reading speed improved
- Used SAS-C V6.51 to compile
- Added 68000 version of the datatype, for people who updated their Amiga 500, 500+, 600, 2000 or 2500 to Kickstart 3.

Version 39.2 released 12-12-1993

- Bug fixed, for colourmaps with less than 2^{depth} colours.

Version 39.1 released 11-12-1993

- First release

1.7 acknowledgements

Acknowledgements

Many thanks to John Hendrikx (TextDemo/FastView) for the Chunky2planar and RGBtoHAM8 routines.

Thanks to Frank Mariak and Thomas Sontowski for developing CyberGraphX

Thanks to Ralph Schmidt for developing the v43 picture.datatype with CyberGraphX support

Thanks to the guys of SAS/C, who keep updating the C-compiler in their own time

sun.datatype was compiled using SAS/C V6.57

1.8 author

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1.9 bugs

Bugs

Previous versions (<43) of sun.datatype didn't always work correct with picture.datatype 39.14 from Workbench 3.0. When using a HAM8 screen, sun.datatype reserved 64 colours, but picture.datatype wanted 256 colours.