

Appendix **B** Errors and Warnings

Overview

This appendix describes the meaning of many of NCSA ImageTool's error numbers and warning messages, as well as some operation system errors. Instructions to correct specific problems are included.

NCSA ImageTool Error Messages

Error, warning, and status messages appear in the message panel. The panel numbers actions or their results from 1 to 20, then begins again at 1. The scroll bar to the left of the panel lets you move forward and backward through the entries.

Table 3.1 lists errors that can be easily corrected in most instances.

Table B.1 Error Numbers, Meanings, and Corrections

Error Number	Meaning and Correction
2	Filename is missing from the NCSA ImageTool control panel. Enter a character string in the Image text field (click the mouse next to the text item "Image" and type the string).
3	The file was not found when NCSA ImageTool tried to load it. Check to see if you typed in the correct filename or you are using the correct working directory.
4	Filename is ambiguous. This happens when you have *, ?, or other wildcard characters in the name string that represent more than one file in the current working directory. Therefore, check the filename.
5	Image dimensions are missing. Enter integers on the text items Xdim and Ydim on the NCSA ImageTool control panel.

Table B.1 Error Numbers, Meaning, and Correction (Cont'd)

Error Number	Meaning and Correction
6	Image dimensions are larger than the full screen size of 1150 x 900 pixels.
7	Error in opening a file to read. If you are running on a networked disked disk, this could occur if files are not found or there is a file server problem
8	Error in opening a file to write. Check the permission levels for the file and directory to which you are writing.
9	SunView lib call <code>memcreate()</code> failed. The system could be out of memory.
10	UNIX call <code>malloc()</code> or <code>calloc()</code> failed.
11	Error in reading a file.
12	Error in writing a file. Check the directory permissions.
13	Negative input for logarithmic functions. Make sure your input is positive when you use logarithmic scaled computations.
14	UNIX library call <code>tempnam()</code> failed (that is, the system cannot create a <code>tmp</code> file in <code>/usr/tmp</code>). This is due to a space problem.
15	SunView call <code>textswstorefile()</code> failed (cannot write the content of the text window to a disk file). Check the disk space.
16	UNIX call <code>chdir()</code> failed. Check the directory pathname.
17	Syntax error with a UNIX name string.
18	No FTP connection when selecting the Get Loop option. Select <code>Connect</code> from the FTP menu first.
19	Unknown strings in the default file <code>.imagetool_defaults</code> . Use the Set defaults option from the Option menu to set up the default file.
20	Unknown font. NCSA ImageTool could not find the specific font in <code>/usr/lib/fonts/fixedwidthfonts</code> .

NCSA ImageTool Warning Messages

Warnings are not catastrophic failures, but the warnings in Table B.2 indicate a situation that may require attention.

Table B.2 Warning Numbers and Descriptions

Warning Number	Description
25	Fewer bytes read from an image file. Either you have opened a bad image file or specified the wrong dimensions.
26	Fewer bytes than specified written to a file. The system may be out of disk space.
27	The raster format selected is not supported in the current version.
28	The expansion factors are missing, and you have selected <code>Expand</code> from the <code>Zoom</code> menu. You must provide two integer expansion factors in the pop-up dialog box. The default factors are set to 1 x 1.
29	The default file is missing. If you do not have a default file, <code>.imagetool_defaults</code> , in your home directory, NCSA ImageTool assumes the current directory is the default. NCSA ImageTool contains the images, palettes, and help files. You may select <code>Set defaults</code> from the <code>Options</code> menu to change the defaults.

SunView and Operating System Errors

Operating system errors (Table B.3) indicate problems in operating NCSA ImageTool or Suntool. These errors are not easily recoverable, and may require the assistance of a system administrator.

Table B.3 SunView and Operating System Errors

Number	Cause and Solution
9	SunView library call <code>memcreate()</code> failed. The system memory could be depleted.
10	A UNIX memory allocation call, <code>malloc()</code> or <code>calloc()</code> , failed. Virtual memory space may be depleted.
11	An error occurred while the system was reading a file. This should never happen. It could be caused by a system problem.
12	An error occurred while the system was writing a file. You may have run out of disk space on the volume to which you were writing.
14	The UNIX library call <code>tempnam()</code> failed. Space could not be allocated in the <code>/usr/tmp</code> directory. Check the available disk space on the <code>/usr</code> disk.
15	The SunView call <code>textswstorefile()</code> failed. The <code>textswstorefile()</code> call attempts to store the contents of a text window to a file. If this call fails, you may have run out of disk space.
20	NCSA ImageTool could not find the font it uses in the directory <code>/usr/lib/fonts/fixedwidthfonts</code> .

Numerical Problems

13	The input value for a logarithmic function was negative. Make sure that input to a logarithmic scaling function is positive.
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