

**Chapter 7****NCSA DataScope Menus**

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## Chapter Overview

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- The Edit Menu

- The Image Menu

- The Numbers Menu

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## Chapter Overview

This chapter reviews each of the menus and commands that appear in NCSA DataScope's menu bar. A brief description of the command is accompanied by a reference to the chapter and section that discusses that command in detail.

## About the DataScope Menus

The NCSA DataScope commands appear in five menus: Apple, File, Edit, Image, and Numbers, as shown in Figure 7.1.

**Figure 7.1 DataScope Menu Bar**



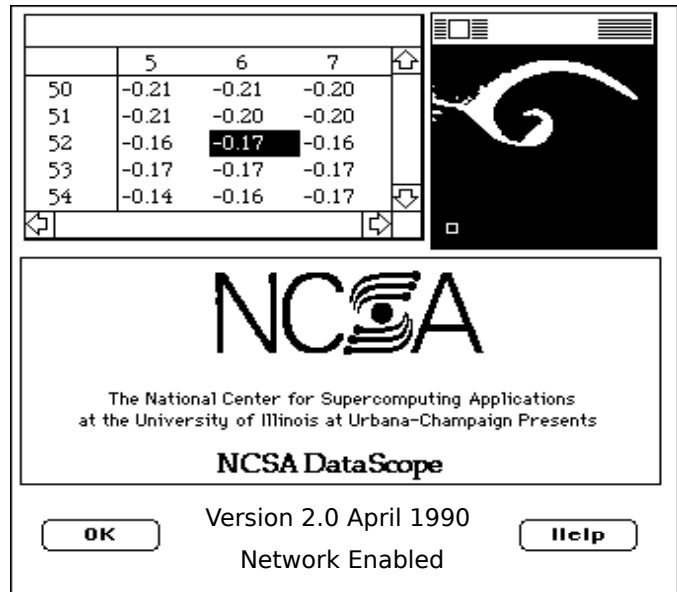
The commands in these menus are dimmed when not applicable; NCSA DataScope will not carry out a dimmed command.

The NCSA DataScope menus function as any other Macintosh menu. If you do not know how to issue commands using menus, refer to your Macintosh user's guide.

### The Apple Menu

The Apple menu appears in all Macintosh applications. It permits access to your Macintosh desk accessories, such as the Chooser, Calculator, and Control Panel. In addition, the Apple menu contains the command About DataScope. When you choose About DataScope from the Apple menu, a box appears displaying the About Box, shown in Figure 7.2. To remove the About Box and return to the application, click the OK button. To access NCSA DataScope's online help facility, click Help. If you need more information regarding desk accessories, refer to your Macintosh user's guide.

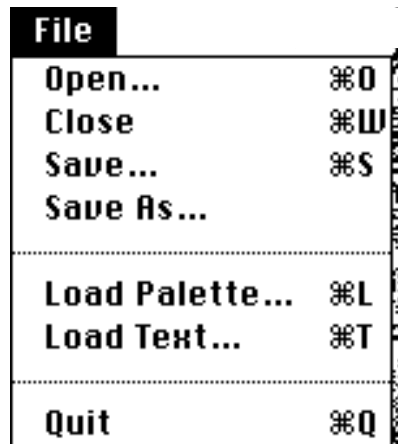
Figure 7.2 About Box



## The File Menu

The File menu, shown in Figure 7.3, contains the commands Open, Close, Save, Save As, Load Palette, Load Text, and Quit.

Figure 7.3 File Menu



### Open...

Reads a scientific dataset and any other relevant information, when present, from an HDF file and displays it in the appropriate window. (See "Getting Started" in Chapter 1.)

### Close

Closes all of the windows associated with the currently selected dataset.

**Save**

Saves the dataset associated with the frontmost window, with the most recently created of each type of image and the complete contents of the notebook, in an HDF file. (See "Loading and Saving HDF Files" in Chapter 2.)

**Save As...**

Saves the dataset associated with the frontmost window, with the most recently created of each type of image and the complete contents of the notebook, in an HDF file. (See "Loading and Saving HDF Files" in Chapter 2.)

**Load Palette...**

Loads a color palette from an HDF file and remaps any images associated with the active dataset to the new palette. (See "Color Palettes" in Chapter 3.)

**Load Text...**

Reads a scientific dataset from an ASCII text file and displays it in a text window. (See "Loading Text Files" in Chapter 2.)

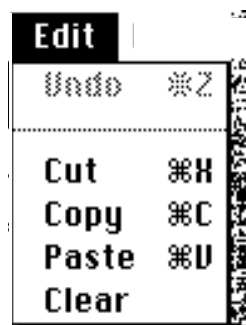
**Quit**

Exits the NCSA DataScope application. (See "Exiting the Program" in Chapter 1.)

**The Edit Menu**

The Edit menu, shown in Figure 7.4, contains the following options: Undo, Cut, Copy, Paste, and Clear.

**Figure 7.4 Edit Menu**

**Undo**

Dimmed. Not supported in this version.

**Cut**

Removes selected text from a notebook window and places it on the Clipboard. (See "Using NCSA DataScope with Other Programs" in Chapter 6.)

**Copy**

Copies selected text from the image or from a notebook or spreadsheet window that is currently active, and places it on the Clipboard. (See "Using NCSA DataScope with Other Programs" in Chapter 6.)

**Paste**

Pastes the contents of the Clipboard into NCSA DataScope, where applicable. (See "Using NCSA DataScope with Other Programs" in Chapter 6.)

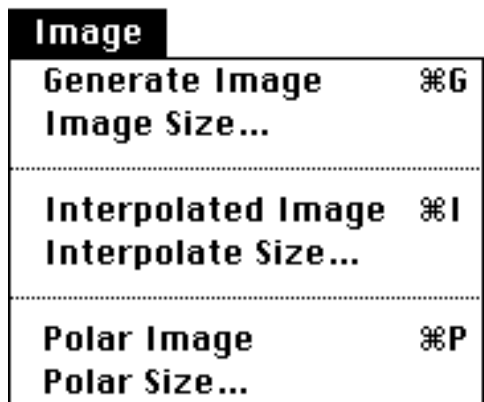
**Clear**

Removes selected text from a notebook window. (See "Using NCSA DataScope with Other Programs" in Chapter 6.)

**The Image Menu**

The Image menu, shown in Figure 7.5, contains the commands Generate Image, Image Size, Interpolated Image, Interpolate Size, Polar Image, and Polar Size.

Figure 7.5 Image Menu

**Generate Image**

Creates a simple, scaled color raster image from the active dataset and displays it in an image window. (See "The Image Windows" in Chapter 3.)

**Image Size...**

Calls up the Image Size Selection dialog box, which allows you to specify a size for the next simple scaled or interpolated image to be generated. (See "Controlling the Image Size" in Chapter 3.)

**Interpolated Image**

Creates an interpolated color raster image from the active dataset and displays it in an image window. (See "The Image Windows" in Chapter 3.)

**Interpolate Size...**

Calls up the Image Size Selection dialog box, which allows you to specify a size for the next simple scaled or interpolated image to be generated. (See "Controlling the Image Size" in Chapter 3.)

**Polar Image**

Creates a polar color raster image from the active dataset and displays it in an image window. (See "The Image Windows" in Chapter 3.)

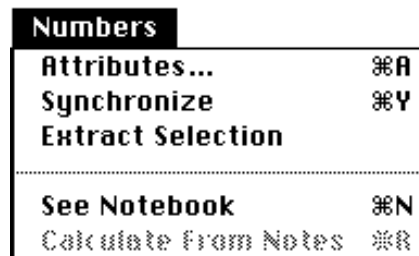
**Polar Size...**

Calls up the Polar Size Selection dialog box, which allows you to specify a size for the next polar image to be generated. (See "Controlling the Image Size" in Chapter 3.)

**The Numbers Menu**

The Numbers menu, shown in Figure 7.6, contains the following options: Attributes, Synchronize, Extract Selection, See Notebook, and Calculate From Notes.

Figure 7.6 Numbers Menu

**Attributes...**

Calls up the Attributes dialog box which allows you to specify text window characteristics: variable names, display format, maximum and minimum values of interest, and the range of the color palette to be mapped to the dataset. (See "The Text Window" in Chapter 3.)

**Synchronize**

Synchronizes selections of data values in multiple datasets across windows. (See "Synchronizing Multiple Datasets across Windows" in Chapter 3.)

**Extract Selection**

Treats the selection as a new, independent dataset and displays it in a new text window. (See "Extracting Datasets" in Chapter 3.)

**Calculate From Notes**

Applies the selected formula to the active dataset, generates a new dataset from the resulting data array and displays it in a new text window, or reports the resulting value in the notebook window. (See Chapter 4, "Notebook Calculations.")