

Table of Contents

Introduction

Overview	vii
About CompositeTool	vii
New Features	viii
System Requirements	viii
Use of This Manual	viii
Organization of This Manual	ix
Manual Contents	ix
Form of Presentation	ix
Further Reading	x

Chapter **1**

CompositeTool Basics

Chapter Overview	1.1
Installing the Program	1.1
Setting Up a Non-NCSA Installation	1.1
Invoking CompositeTool	1.3
Standard Features	1.3
Mouse buttons	1.3
Title Bars	1.4
CompositeTool Messages	1.4
Working with CompositeTool	1.5
Opening a Canvas	1.5
Changing the Canvas Color	1.5

Loading an Image	1.6
Entering Text	1.7
Using the Feature Option	1.8
Clearing the Display	1.9
Exiting CompositeTool	1.9

Chapter **2** Formatting Your Data Files

Chapter Overview	2.1
File Formats	2.1
Raw Raster Files	2.1
Raw Palette Files	2.1
HDF Files	2.2
How NCSA CompositeTool Reads and Displays Data Files	2.6

Chapter **3** CompositeTool Frames

Chapter Overview	3.1
Base Frame	3.1
Canvas Frame	3.3
Frame Manipulation	3.4
Grid Frame	3.5
Palette Frame	3.6
Colorbar Frame	3.8
Text Frame	3.10
Image Frame	3.12
Contour Frame	3.13
Vector Frame	3.14
Features Frame	3.16

File Utility Frame 3.18

Display Photographs 3.20

Figures and Tables

Figure 1.1	Base Frame 1.4
Figure 1.2	Palette Frame 1.5
Figure 1.3	File Utility Frame 1.6
Figure 1.4	Text Frame 1.7
Figure 1.5	Features Frame 1.9
Figure 2.1	HDF Environment 2.3
Figure 3.1	Base Frame 3.1
Figure 3.2	Canvas Frame 3.3
Figure 3.3	Grid Frame 3.5
Figure 3.4	Palette Frame 3.7
Figure 3.5	Colorbar Frame 3.8
Figure 3.6	Text Frame 3.10
Figure 3.7	Image Frame 3.12
Figure 3.8	Contour Frame 3.13
Figure 3.9	Vector Frame 3.14
Figure 3.10	Features Frame 3.16
Figure 3.11	Features Frame with X-grid Selected 3.17
Figure 3.12	Features Frame with X-tic Selected 3.18
Figure 3.13	File Utility Frame 3.18
Figure 3.14	Side and Top Views of Photo Display Setup 3.21
Table 1.1	Tag Advancing/Detracting Buttons 1.7
Table B.1	CompositeTool Files B.1