

Preface

These utilities are provided for installation, testing, calibration and alignment of the radar and signal processing system. Many of these utilities provide interactive menus and color graphics to assist the operator. This manual describes the utilities and how to use them to perform various testing or maintenance functions.

Because the utilities can affect the calibration and operation of the radar system, only IRIS operators are allowed to run them. All these utilities are available on both IRIS and RDA systems.

About This Manual

Chapter 1 of this manual describes the typical operations that users perform with the IRIS utilities — configuration, calibration, monitoring, and testing of the antenna, signal processor, and IRIS. Each utility is described in a separate chapter of this book, organized alphabetically. Some utilities must run before other utilities can operate correctly. When a utility depends on the results of another utility, it is clearly indicated in the text.

Where to Find More Information

The following manuals are also available from SIGMET, Inc.:

<i>Software Installation Manual</i>	Describes the procedures for installing and upgrading IRIS and the specific hardware and software configuration for your facility. This manual is for system managers, operators and maintenance engineers.
<i>IRIS Radar Manual</i>	Describes IRIS/Radar software. This manual is for radar operators.
<i>IRIS Product & Display Manual</i>	Describes the various IRIS products, their configuration and scheduling. Also the use of Quick Look Window: How you can see the IRIS products with all the options
<i>IRIS Programmer's Manual</i>	Describes the data formats and library routines used by IRIS. This manual is for programmers who want to access IRIS data or interface to IRIS processes. This manual also describes the User Product Insert feature, which lets programmers define new IRIS product types.

***The Signal Processor
User's Manual***

Provides technical information on the signal processor (RVP6, or RVP7). This manual is used primarily by engineers for troubleshooting or by users interested in understanding the signal processing features, algorithms, processor control and data formats.

***The RCP8
User's Manual***

Describes the installation, operation, and technical details of the Radar Control Processor. The RCP8 is an interface between the IRIS software and miscellaneous hardware such as the antenna and transmitter.

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Documentation Conventions

The following conventions are used throughout this manual:

Menu->Choice	<p>Pull-down menu selections are shown in boldface type. The name of the menu is shown first, with an arrow pointing to the menu entry that you should choose.</p> <p>To pull down a menu, position the mouse cursor over the menu bar and press the left mouse button.</p>
“Field Value”	<p>Quotation marks surround the value of a field, such as a status value or the name of a configuration file.</p>
\$	<p>The operating system prompt is shown as a dollar sign, through it may differ from one operating system to the next.</p>
user input command parameter	<p>User input and command syntax are printed in bold, monospaced type. User-supplied parameters are shown in italics. Enter the command exactly as it is shown and supply the appropriate parameter value. All commands are terminated by a carriage return (not shown.)</p>

filename Filenames and directory names are also shown in
directory bold, monospaced type when referenced within
the text. They are case sensitive.

In addition, all directory specifications are
assumed to be relative to the IRIS/Open root
directory. The default root directory is
/usr/sigmet.

Command output Some commands generate output. The text of this
output is displayed in monospaced type.



This margin icon indicates a note that may be of
interest to the reader.



This margin icon indicates a note that is important
to the reader.



This margin icon indicates a caution or warning to
the reader.