QUICK TOUR OF THE CDHF USER INTERFACE

This quick-tour segment can help you quickly and easily learn to use the basic functions of the CDHF User Interface. If you are already familiar with the interface, then you might want to jump to the section titled "Getting Things Done." But the section titled "Keys to Success" may provide some helpful hints even to experienced users. Those users unfamiliar with the User Interface or having trouble setting up their terminal to be compatible with the interface should follow the advice of the doormouse in *Alice in Wonderland* and "start at the beginning and go on until the end."

Getting Started

To use the CDHF User Interface, you first need an account on the computer system. If you do not have one, you can obtain one by completing an online application. Either use Telnet to istp1.gsfc.nasa.gov (128.183.92.58) or SET HOST ISTP1 (15461) and log in with the username APPLY. You will be prompted through a set of questions and your application submitted for approval. Once your account has been approved and established, you will be notified of your username and initial password. Now that you have an account on the computer system, you can start to use the User Interface.

Setting Up Your Terminal

You will communicate with the CDHF User Interface using the keyboard of your display device. Keyboards come in many shapes, sizes, and layouts; and display devices can emulate a number of standard terminal types. The CDHF User Interface provides support for three different classes of terminals: (1) VT100 or VT100 emulators; (2) VT200, VT300, and their emulators; and (3) all others.

If you have a Sun Workstation but do not have a VT100, VT200, or VT300 emulator, you might want to obtain a copy of a terminal emulation package called VTTOOL. You can find a compressed UNIX tape archive (tar) file containing this package on the CDHF in SYS$PUBLIC:[VTTOOL], along with a README file with instructions for installing the emulator on your Sun Workstation.

If you do not know which type of terminal your display device emulates, then proceed to the next section, "Starting the interface." The procedure that starts the User Interface attempts to determine and set the appropriate terminal class for your display device.

If you have established the terminal class to which your display device belongs, place the following command in your LOGIN.COM file:

    DBI_TERM_TYPE:== "term_class"

where term_class is one of cdhf100 (for VT100 terminals and most VT100 emulators), cdhf220 (for VT200 terminals, VT300 terminals, and their emulators), or cdhf100e (for all other types of terminals and VT100 emulators that do not work properly with cdhf100 classes).

For example:

    DBI_TERM_TYPE:== "cdhf220"

Because keyboards and terminal emulators can vary widely in the key mappings they use for the keypad and the function keys, do not be discouraged if you initially have difficulty locating the correct keys for your display device. If the cdhf100 or cdhf220 class does not work, use the cdhf100e class. If possible, try a different terminal emulator package. IBM PCs and PC clones have the widest range of available keyboards and have been the most difficult display devices for which to provide keyboard mappings. Check the documentation for your terminal emulator package to see if it provides a mapping from your keyboard to a DEC VT100 or VT200-style keyboard. If you still have problems, contact the CDHF staff with the following information: the display device and the emulator (if any) you are using and your method of accessing the CDHF (dial-up or network). See "Whom Do You Call" for a list of people to call for help.

Starting the User Interface

The CDHF User Interface supports a NOVICE/EXPERT mode. By default, users are in NOVICE mode. NOVICE mode prompts a user through the steps required to properly set up and configure a session for the interface. If you have already defined your terminal class (described in the previous section), execute the following command and place it in your LOGIN.COM file:

    $ DEFINE CDHF_USER_LEVEL "EXPERT"

This action causes the startup procedure to skip the interactive steps that describe how to set up your terminal.

Once you have determined the display-device class, turn to the appendixes and make a copy of the keyboard mapping diagram that corresponds to the display device you are using. Place the diagram near your terminal so you can refer to it until you have learned some of the basic key mappings.

To actually start the User Interface, type the following command:

    CDHF_UI

This action initiates the procedure that invokes the User Interface and opens the User Interface main menu. However, if you are in NOVICE mode, you will see the terminal setup dialog.

The following table lists the available main menu items with a brief description of their functions:

Menu Item	Description
CDHF Queries and Reports	Query the CDHF catalog for information and/or generate reports.
Data Transfer Services	Request data files for transfer.
Update Key Parameter Quality Information	Update key parameter quality flag in the CDHF catalog.

Decommutation Specifications	**Create, modify, or delete decommutation specifications.**
Invoke Theory Programs	**Display menu of available theory investigation programs.**
Extract NRT Level-zero Data	**Extract data from WIND or POLAR near-real-time telemetry files.**
Plot Orbit Data	**Generate plots of orbit data.**
Access the NEWS Bulletin Board	**Run the NEWS bulletin board.**

Keys to Success

You will navigate through two types of screens in the User Interface. The first is a simple menu of items. In the menus, use the cursor keys to select the desired item. Invoke the item by using the [**RETURN**] key. The second type of screen is a form that contains fields for querying and displaying information. (Keyboard mappings are important to forms). The table below lists the core set of functions and their descriptions. These functions, along with the special function keys, are used 90 percent of the time. Functions not listed here but mentioned elsewhere in this guide are described as needed. Altogether, 50 keys control the forms with some keys being more important than others. A full list of keys and functions appears in the ISTP CDHF User's Guide.

Function	Description
Exit/Cancel	**Exits the current menu, form, or pop-up window. Cancels the current function.**
Abort	[CONTROL] Y **usually gets you completely out of the User Interface but should not be used unless you are hopelessly lost.**
Refresh	**Redraws the current screen.**
Show Keys	**Provides key mappings table (the keystroke for this is always** [CONTROL] K**). Note that the table presented shows the key mappings for the defined terminal class. If cdhf100 has been defined, then the mappings displayed are for a DEC VT100 keyboard. If you are using an emulator with a non-VT100-like keyboard, then your key mappings may be different than shown.**
Next Field	**Moves the cursor to next enterable field on the form.**
Previous Field	**Moves the cursor to the previous enterable field on the form.**

Up	Moves the cursor to the next record.
Down	Moves the cursor to the previous record.
List	Displays a list of valid values for the current field (if available).
Next Block	Moves cursor to the first enterable field in the next block of the form. Also used to execute a query for criteria entered in the current block and display results in the next block (see sample queries under "Getting Things Done").
Previous Block	Moves the cursor to the first enterable field in the previous block.
Insert/Replace	Toggles between INSERT and REPLACEMENT character modes. In general, REPLACEMENT should be used.
Menu	Activates the pull-down menu items, allowing an alternative method to invoke the form's functions.
Commit/Accept	Used to commit changes, enter new information in the database, select from a list of values, and to activate reports.
Special Function keys	Four special function keys which are defined as needed, provide special functions on forms. When needed, the keys and functions are described on the form.

A word about insert vs. replacement mode:

INSERT mode allows you to insert text at any point in a string. REPLACEMENT (or overstrike) mode types over the existing text in a field. A common problem in using the User Interface is trying to insert text into a field that is full. If you are in INSERT mode and try to type in a field that is full, nothing happens. The mode you are in is indicated at the bottom right corner of each form (<Insert> or <Replace>). To avoid confusion, stay in REPLACEMENT mode. Switch to INSERT mode only when you need to, and then switch back to REPLACEMENT mode. Use the INSERT/REPLACE key to toggle between INSERT and REPLACEMENT modes.

Getting From Here to There

Currently, to navigate through the User Interface you must go up and down the menus to reach the desired form. A future release of the User Interface will let you jump directly to a form without having to step through the menus.

Getting Things Done

This section contains step-by-step examples that should help you perform queries, generate reports, request data files for transfer, and perform other functions available

through the User Interface. Before reading these examples, put a copy of the appropriate key mappings diagram from Appendix A in front of you so you can refer to it.

Setting Defaults

One of the first things you will want to do is verify your default information. Default information set up for your account is used to pre-fill certain fields on the User Interface forms.

To check your default information and change the default data type, do the following:

1. Select the "CDHF Queries and Reports" option from the main menu.
2. Select the "ISTP Users and Privileges Form" option.
3. Press [**TAB**] once to place you in the "Query All Versions" field. If this field is set to **Y**, you see all versions of data files when you perform a query. If it is set to **N,** you only see the most recent version of a data file. In general, you will want to look at only the most recent version of a file. Viewing all versions of a file is useful when you are interested in the reprocessing history of a data file.
4. Press [**TAB**] again to move to the "Default Mission Name" field. Press the List key to obtain a list of missions from which you can choose. Highlight the mission name you wish to have set as your default, and press [**RETURN**] to fill in the field.
5. Press [**TAB**] again to advance the cursor to the "Data Type" field. Press the List key to obtain a list of data types from which you can select, highlight the desired data type, and press [**RETURN**] to fill in the field.
6. Press [**TAB**] again to advance to the "Default Descriptor" field. Press the List key to obtain a list of descriptors from which you can select, highlight the desired descriptor, and press [**RETURN**] to fill in the field.
7. Press the Commit/Accept key to commit the changes to the database.
8. Press the Exit/Cancel key to exit.

Making Queries and Generating Reports

Numerous queries and reports can be generated through the User Interface. This section contains examples of some of the more widely used queries and reports. One of the characters often used in the examples is the **%** character. It is a wildcard character and, if allowed in the field, causes all values to be matched for that field. Note that the wildcard character, if used, must appear as the first character in the field.

To obtain a list of all key parameter files for all missions during the time period 01-JUN-1993 through 01-JUL-1993, perform the following:

1. Select the "CDHF Queries and Reports" option from the main menu.
2. Select the "Data File Information Menu" option.
3. Select the "Science Data File Information Form" option.
4. Type **%** under Mission Name (if necessary, use the space bar to erase any remaining text in the field).
5. Press [**TAB**] to advance to the next field.
6. Type **K%** under Data Type.
7. Press [**TAB**] to advance to the next field.
8. Type **%** under Descriptor (if necessary, use the space bar to erase any remaining text in the field).
9. Press [**TAB**] to advance to the next field.
10. Type **01-JUN-1993** into the starting date field.
11. Press [**Tab**] to advance to the next field.
12. Type **01-JUL-1993** into the ending date field.
13. Press the Next Block key to move to the next block and perform the query. If records are found in the database, they appear in the second block on the screen.
14. Press the Up and Down arrow keys to scroll through the records retrieved.
15. Press the Exit/Cancel key to exit.

The preceding query can also be performed for a specific instrument or mission or for a different time range. Simply type the desired mission or instrument name into the appropriate field instead of the wildcard character **%** (or use the list of values to choose from), or specify the desired time range.

To generate a report identical to the preceding query, perform the following:

1. Select the "CDHF Queries and Reports" option from the main menu.
2. Select the "Data File Information Menu" option.
3. Select the "Data Files Stored Online Report" option.
4. Type **%** under Mission Name (if necessary, use the space bar to erase any remaining text in the field).
5. Press [**Tab**] to advance to the next field.
6. Type **K%** under Date Type.
7. Press [**Tab**] to advance to the next field.
8. Type **%** under Descriptor (if necessary, use the space bar to erase any remaining text in the field).
9. Press [**Tab]** to advance to the next field.
10. Type **01-JUN-1993** into the starting date field.
11. Press [**TAB**] to advance to the next field.
12. Type **01-JUL-1993** into the ending date field.
13. Press SF1 if you want the report generated in BATCH mode instead of the default INTERACTIVE mode.
14. Press the Commit/Accept key to execute the query. The report will be written to your home directory unless DBI_RPT_DIR is defined in your LOGIN.COM. (Refer to Section 4.1.1.2, "Customizations," of the ISTP CDHF User's Guide.)
15. In INTERACTIVE mode, you are prompted to display the report to the screen. Answering **Y** causes the report to be displayed to your screen.

While viewing the report, press [**CONTROL**] **Z** to abort the displayed report, if desired. Afterward you are prompted to print the report. Answering **Y** to this prompt causes the report to be printed on a printer at the CDHF. For remote users, this is not desired so, in general, answer **N**. The report file remains in the designated report directory (DBI_RPT_DIR or your home directory by default).

Viewing processing information

The CDHF catalog contains information on the processing history of ISTP data products. Information on the input files used to generate specific key parameter files and version information on key parameter generation software is available. Below are a sample query and a sample report for retrieving historical information about data files and programs.

To list KPGS program history information for IMP-8 MAG, perform the following:

1. Select the "CDHF Queries and Reports" option from the main menu.
2. Select the "File Processing Information Menu" option.
3. Select the "Process Program Information Form" option.
4. Enter the program name **IMP8_MAG_KP** or press the List key to obtain a list of programs from which you can select, highlight **IMP8_MAG_KP,** and press [**RETURN**] to fill in the field.
5. Press the Execute Query key to execute the query.
6. Use the arrow keys to scroll through multiple entries, if they exist.
7. Press Exit/Cancel to exit or press Enter Query to enter a new query.

To generate a report on key parameter certification information for IMP-8 MAG, perform the following:

1. Select the "CDHF Queries and Reports" option from the main menu.
2. Select the "Data File Information Menu" option.
3. Select the "Data File Certification Status Report" option.
4. Enter the mission name **I8** or press the List key to obtain a list of the programs from which you can select, highlight **I8**, and press [**RETURN**] to fill in the field.
5. Press [**TAB**] to move to the next field.
6. Type **MAG** in the descriptor field.
7. Press [**TAB**] to advance to the next field.
8. Type **01-JUN-1993** into the starting date field.
9. Press [**TAB**] to advance to the next field.
10. Type **01-OCT-1993** into the ending date field.
11. Press the Commit/Accept key to execute the query. The report will be written to your home directory unless DBI_RPT_DIR is defined in your LOGIN.COM. (Refer to Section 4.1.1.2, "Customizations," of the ISTP CDHF User's Guide.)
12. In INTERACTIVE mode, you are prompted to display the report to the screen. Answering **Y** causes the report to be displayed to your screen.

Transferring Data Files

The ISTP CDHF provides for two types of file transfers: scheduled and standing. A scheduled request is a one-time request for specific data files that is executed at a scheduled time. A standing transfer is a general request for data files that is executed periodically on a schedule defined by the user. The files to be transferred in a standing request are determined at the time the request executes.

Data files can be transferred to the user's directory on the CDHF (staged transfer) or directly to the user's remote computer system (direct transfer). The following examples use the staged method of transfer. For information on setting up your computer system to accept direct transfers, refer to Section 4.2.5 of the CDHF User's Guide.

Before trying to execute the following examples, obtain the name of your home directory on the CDHF by typing **SHOW LOGICAL SYS$LOGIN** at the VMS system prompt. The destination address you will use in the examples looks like the following address:

ISTP::disk:[dir]

where disk:[dir] is the disk and directory name of your home directory.

The following is an example of a scheduled request to transfer GEOTAIL orbit data for 01-JUN-1993:

1. Select the "User Data Transfer Services" option from the main menu.
2. Select the "Create Transfer Request for Cataloged Science Files" option.
3. Type the execution date (the default is an immediate transfer).
4. Press [**TAB**] to advance to the next field.
5. A default Mail Address appears; modify it if desired.
6. Press [**TAB**] to advance to the next field.
7. A default Transfer Destination appears; set this to be your home directory as described above.
8. Press the Next Block key to advance to the next block.
9. Type the mission identifier **GE** or press the List key to obtain a list of mission names from which you can select, highlight **GE,** and press [**RETURN**] to fill in the field.
10. Press [**TAB**] to advance to the next field.
11. Type the datatype **OR** or press the List key to obtain a list of data types from which you can select, highlight **OR**, and press [**RETURN**] to fill in the field.
12. Press [**TAB**] to advance to the next field.
13. Type the descriptor **DEF** or press the List key to obtain a list of descriptors from which you can select, highlight **DEF**, and press [**RETURN**] to fill in the field.
14. Press [**TAB**] to advance to the next field.
15. Type **01-JUN-1993** into the Start Date field.
16. Press [**TAB**] to advance to the next field.
17. Type **01-JUN-1993** into the End Date field.
18. Press the Next Block key to move to the next block and perform the query. If records are found in the database, they appear in the second block on the screen.
19. Use the arrow keys to move to the file to be selected for transfer, and press SF1 to select individual files. Use SF2 to select all files in the list.
20. Press the Commit/Accept key to commit the request.
21. Press [**RETURN**] to acknowledge the request.
22. Press the Exit/Cancel key to exit.

The transfer request is queued and executed at the specified time. After the request is executed, an E-mail message providing the status of the transfer is sent to the address entered in step 5 above.

To set up a staged standing transfer for GEOTAIL definitive orbit data, perform the following:

1. Select the "User Data Transfer Services" option from the main menu.
2. Select the "Create Standing Request for New Science files" option.
3. Type the date and time of execution of the first execution of the standing request.
4. Press [**TAB**] to advance to the next field.
5. A default Mail Address appears; modify it if desired.
6. Press [**TAB**] to advance to the next field.
7. A default Destination Address appears; set this to be your home directory as described in the previous example.
8. Press the Next Block key to advance to the next block.
9. Type the mission identifier **GE** or press the List key to obtain a list of mission names from which you can select, highlight **GE**, and press [**RETURN**] to fill in the field.
10. Press [**TAB**] to advance to the next field.
11. Type the datatype **OR** or press the List key to obtain a list of data types from which you can select, highlight **OR**, and press [**RETURN**] to fill in the field.
12. Press [**TAB**] to advance to the next field.
13. Type the descriptor **DEF** or press the List key to obtain a list of descriptors from which you can select, highlight **DEF**, and press [**RETURN**] to fill in the field.
14. Press [**TAB**] to advance to the next field.
15. Type the effective catalog start date for request (must be no earlier than the current date/time). The request looks for files cataloged after this date.
16. Press [**TAB**] to advance to the next field.
17. Type the time interval for the execution of the request. The value can be from 1 hour to 7 days and is entered as days or fractions of days.
18. Press the Commit/Accept key to commit the request.
19. Press [**RETURN**] to acknowledge the request.
20. Press the Exit/Cancel key to exit.

To remove a standing request from the request queue:

1. Select the "User Data Transfer Services" option from the main menu.
2. Select the "Query/Modify Standing Requests for New Science Files" option.
3. The standing transfer requests you have entered are displayed. Use the arrow keys to view each request.
4. When you have the request displayed that you want to delete, press the Delete Record key. You are asked if you really want to delete the record. Answer **Y** or **N** and press [**RETURN**].
5. Press the Exit/Cancel key to exit.

Extracting WIND Near-Real-Time Data

To extract near-real-time (NRT) data from an active message for WIND 3DP, perform the following:

1. Select the "Extract NRT Level Zero Data" option from the main menu.
2. Type the mission identifier **WI** or press the List key to obtain a list of mission names from which you can select, highlight **WI**, and press [**RETURN**] to fill in the field.
3. Press [**TAB**] or [**RETURN**] to advance to the next field when the List key is not used.
4. Type the descriptor or press the List key to obtain a list of descriptor names from which you can select, highlight **3DP**, and press [**RETURN**] to fill in the field.
5. Press [**TAB**] or [**RETURN**] to advance to the next field when the List key is not used.
6. Allow ACTIVE to remain as the File Type.
7. Press the Next Block key to query the database for the NRT LZ files.
   (Note: The file WI_LZ_3DP.NRT will contain the data from the currently active pass; however, if there is no active pass, this file will be empty.)
8. Press the SF1 key to select the WI_LZ_3DP.NRT active NRT file.
   (Note: An "S" will appear in the Selected column, and times will appear in the Start Date and End Date columns.)
9. To change the requested time range, press [**TAB**] to advance to the Start Date field. Enter the start date and time for data to be extracted.
   (Note: If a time is selected prior to the actual start of the message, the extracted data will begin at the actual start time.)
10. Press [**TAB**] to advance to the End Date field. Enter the stop date and time for the data to be extracted.
    [Note: Only data that has been received can be extracted. For example, if a real-time pass is scheduled to be captured from 2100 hours to 2300 hours, and at 2200 hours a user performs an NRT extraction with a start time of 21:00:00 and an end time of 23:00:00, only 1 hour of data (21:00:00 to 22:00:00) will be extracted.]
11. Press the Accept key to extract the NRT data and write it to your SYS$LOGIN directory.

Updating Key Parameter Quality Information

Authorized users are allowed to enter quality information on key parameter files into the CDHF catalog. The examples below illustrate two mechanisms for performing these updates.

To update the key parameter quality information interactively, perform the following:

1. Select the "Update Key Parameter Quality" option from the main menu.
2. Select the "Key Parameter Update Form" option.

3. Press the List key to obtain a list of mission names from which you can select, highlight your selection, and press [**RETURN**] to fill in the field.
4. Press the List key to obtain a list of data types from which you can select, highlight your selection, and press [**RETURN**] to fill in the field.
5. Press the List key to obtain a list of descriptors from which you can select, highlight your selection, and press [**RETURN**] to fill in the field.
6. Enter the starting date for the query (or use the default).
7. Press [**TAB**] to advance to the next field.
8. Enter the ending date for the query (or use the default).
9. Press the Next Block key to execute the query. The results are displayed in the second block of the form.
10. Use the SF1 key and the Up and Down keys to select the key parameter files for which quality information and comments are to be entered.
11. Once the files have been selected, verify that the cursor is on one of the selected files and press the SF4 key to display a form where quality and comments may be entered. If the entry on which the cursor was positioned on the previous form had quality and comment information already entered, this information appears as defaults on this form.
12. To update the KP Quality Indicator, type **Y**.
13. Press [**TAB**] to advance to the next field.
14. Enter the quality information (GREEN, YELLOW, RED) or use the default.
15. Press [**TAB**] to advance to the next field. The Certify Date and User ID fields are automatically filled in.
16. To update or enter the KP Comment, type **Y**.
17. Press [**TAB**] to advance to the next field.
18. Type in a one-line comment or press the Edit key to bring up a pop-up window providing additional lines for comments.
19. Press the Accept key to commit the changes.

The second method of updating key parameter quality information is to supply the quality information in a file, which is then processed to update the database. The following example shows a method of creating a file with the appropriate information and then instructing the User Interface to use that file to update the database.

Updating key parameter quality information using a text input file

You can update key parameter quality information simultaneously for numerous files by using information supplied in a text file. The format of the file is shown as follows (either upper or lowercase may be used):

KEY PARAMETER QUALITY UPDATE FILE FOR USER [your username]
[logical filename]
[key parameter quality, RED, YELLOW, GREEN, or null string]
[comment]
[logical filename]
[key parameter quality, RED, YELLOW, GREEN, or null string]
[comment]
.

.
.

For example, the following file contains information to update three key parameter files. User SMITH must have key parameter quality update privileges for GEOTAIL PWI key parameter data. The first file is marked as PASS and has no comment in the command field. The second and third files have comments in the comment field and are marked as FAIL and PASS, respectively.

KEY PARAMETER QUALITY UPDATE FILE FOR USER SMITH
GE_K0_PWI_19930525_V01
GREEN

GE_K0_PWI_19930526_V01
RED
Excessive noise
GE_K0_PWI_19930527_V01
YELLOW
Only data after 0200GMT should be used

After creating the file with the update information, perform the following:

1. Select the "Update Key Parameter Quality" option from the main menu.
2. Select the "Process Key Parameter Update File" option.
3. Enter the name of the input file containing the key parameter quality update information. If the file is in your default directory, you can simply enter the filename; otherwise, you must enter the complete file specification.
4. Press the Accept/Commit key to start the update. You will receive status information on the progress of the update.
5. When the update is complete, you are prompted to press [**RETURN**] to return to the form.

Certifying Key Parameter Generation Software

Users with the privilege to update quality information for the key parameter files generated by a KPGS program also have certification privilege for the program itself. A program that is certified indicates the program is believed to be generating key parameters suitable for distribution. An uncertified program will generate key parameter files that will be cataloged in the system but will not be sent to the DDF for distribution on CD-ROM. Once a KPGS program is certified, the latest versions of all files generated by that program are sent to the DDF for distribution.

The example below illustrates the procedure for certifying a KPGS program that is in production use.

To certify a KPGS program interactively, perform the following steps:

1. Log into a principal investigator (PI) account that has been authorized access to the user data services (UDS) or a DBA account.
2. At the user prompt, enter "CDHF_UI" to start up the user interface to the UDS.
3. On the main menu of the user interface, select the "CDHF Queries and Reports" option and press [**RETURN**].
4. Select the "File Processing Information Menu" option and press [**RETURN**].
5. Select the "Process Program Information Form" option and press [**RETURN**].
6. Press PF4 to cancel the query mode.
7. Press the SF1 key (View All Process Program) to display a list of the production KPGS programs.
8. Select the KPGS program to be certified and press the Accept key to commit the selection.
9. Press [**TAB**] to advance to the "Certify Status" field.
10. Enter **Y** in the Certify Status field.
11. Optionally press the Next Block key to display the "PI Comment" field and enter a comment of up to 255 characters; else, skip to step 13.
12. Press the Accept key to terminate the PI Comment field.
13. Press the Accept key to commit the certification.
14. Press [**RETURN**] to acknowledge the informational message at the bottom of the screen.
15. Press the Exit/Cancel key to exit the Process Program Information Form and the user interface.

What Else Can I Do?

This Quick Tour of the CDHF User Interface has been provided to help you obtain information and data products from the CDHF without having to wade through pages of documentation. The examples are designed to get you started as quickly as possible in using the CDHF User Interface. But many other functions and features are in the User Interface. The intrepid are invited to explore further by perusing the user's guide, which contains detailed information on all functions and options of the User Interface.

Where To Go From Here

The ISTP CDHF Users Guide contains detailed information on all available options and functions in the User Interface.

THE SYS$PUBLIC:[DOCS] directory on the ISTP CDHF contains electronic versions of some documents. See the README file for a list of what is available.

If you have a World Wide Web (WWW) client such as Mosaic, you may want to link to the ISTP Project Home Page (http//buster.gsfc.nasa.gov/). This WWW server provides information on the ISTP project, missions and investigations, and CDHF.

Whom Do You Call?

If you can log into the CDHF system, type **HELP @SITE PERSONNEL** to obtain a list of people to contact for various problems. Below is a list of contacts for system or data access questions:

Problem	E-mail	Telephone
Problems with the User Interface	**ISTP::PAC** **PAC @ istp1.gsfc.nasa.gov**	**(301) 286-3228**
Login problem, forgotten password, and other access problems	**ISTP::SYSTEM** **system@istp1.gsfc.nasa.gov**	**(301) 286-9561**
Data access privilege changes	**ISTP::SCHNEIDER** **schneider@istp1.gsfc.nasa.gov**	**(301) 286-5543**
Other ISTP data questions	**ISTP::WMISH** **wmish@istp1.gsfc.nasa.gov**	**(301) 286-5444**

APPENDIX A—KEYBOARD MAPPINGS
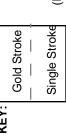
This appendix provides keyboard mappings for various terminals, keyboard types, and emulators.

SQL*FORMS KEYPAD VT100

PF1	PF2	PF3	PF4
Gold	Help	Display Error	Exit/
	Show Keys	Commit/ Accept	Cancel
7 Copy	**8** Paste	**9** Cut	**-**
Enter Query	Execute Query	Previous Field	
4 SF4	**5** Insert Record	**6** Delete Record	**,**
Clear Field	Clear Record	Clear Block	Clear Form
1 SF1	**2** SF2	**3** SF3	**Enter**
Next Block	Previous Block	Edit	Search (E)
0 Menu		**.** InsertLine (E)	
List		Insert/ Replace	Select

Delete Backwards - Backspace Delete
Line (E) - Gold BackspaceFirst Line (E)
- Gold, Gold, UpInsert/Replace -
CTRL-ALast Line (E) - Gold, Gold,
DownNext Field - ReturnNext Field/Exit
Edit - TabPrevious Field - Gold
ReturnPrint Screen - CTRL-PScroll
Left - Gold, Gold, LeftScroll Right -
Gold, Gold, RightShow Keys - CTRL-K
Refresh Screen - CTRL-R

	Up Scroll Up	
	Up	
Left Begin. of Line	**Down** Scroll Down	**Right** End of Line
Left	Down	Right

KEY:

Gold Stroke
— — —
Single Stroke

(E) = Edit window only

A-2

SQL*FORMS KEYPAD VT220

F17	F18	F19	F20
SF1	SF2	SF3	SF4

HELP	DO
Help	Commit/Accept
Show Keys	

F11	F12	F13	F14
First Line (E)	LastLine (E)	Search (E)	InsertLine (E)
Menu	Edit	List	Insert/Replace

PF1	PF2	PF3	PF4
Gold	Previous Field	Display Error	Exit/Cancel
7	8	9	-
4	5	6	,
1	2	3	Enter
0		.	

Find	Ins. Here	Remove
Copy	Paste	Cut
Execute Query	Insert Record	Delete Record

Prv. Scrn.	Nxt. Scrn.
Scroll Left	Scroll Right
Previous Block	Next Block

Select
Select
Enter Query

Up
Scroll Up
Up

Left	Down	Right
Begin. of Line	Scroll Down	End of Line
Left	Down	Right

F7	F8	F9	F10
Clear Field	Clear Record	Clear Block	Clear Form

Delete Backwards - Backspace
Delete Line (E) - Gold Backspace
Insert/Replace - CTRL-A
Next Field - Return
Next Field/Exit Edit - Tab
Previous Field - Gold Return
Print Screen - CTRL-P
Show Keys - CTRL-K
Refresh Screen - CTRL-R

KEY:
Gold Stroke
Single Stroke
(E) = Edit window only

SQL*FORMS KEYPAD VT220 Emulation on Mac Extended Keyboard

F2	F3	F4	F5	F6	F7	F8
Clear Field	Clear Record	Clear Block	Clear Form	First Line (E) / Menu	LastLine (E) / Edit	Search (E) / List

F9	F10	F11	F12	F13	F14	F15
InsertLine (E) / Insert/Replace	Help / Show Keys	Commit/Accept	SF1	SF2	SF3	SF4

clear	=	/	*
Gold	Previous Field	Display Error	Exit/Cancel
7	8	9	-
4	5	6	+
1	2	3	Enter
0	.		

help	home	page up	page down
Copy / Execute Query	Paste / Insert Record	Cut / Delete Record	
del	end.	page down	
Select / Enter Query	Scroll Left / Previous Block	Scroll Right / Next Block	

	Up	
	Scroll Up / Up	
Left	Down	Right
Begin. of Line / Left	Scroll Down / Down	End of Line / Right

Delete Backwards - Backspace
Delete Line (E) - Gold Backspace
Insert/Replace - CTRL-A
Next Field - ReturnNext Field/Exit Edit - TabPrevious Field - Gold ReturnPrint Screen - CTRL-P
Show Keys - CTRL-K
Refresh Screen - CTRL-R

KEY:

Gold Stroke
Single Stroke

(E) = Edit window only

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SQL*FORMS KEYPAD VT100 Emulators

Accept/Commit	- ^A		Last Line	- Esc Esc D
Beginning of Line	- Esc Esc L		Left	- Left
First Line	- Esc Esc U			- ^L
Clear Block	- Esc B			- Keypad 4
Clear Field	- Esc F		List	- ^V
Clear Form/Rollback	- Esc A		Menu	- Esc M
Clear Record	- Esc R		Next Block	- ^N
Copy Cut	- Esc C		Next Field	- Tab
Delete Backwards	- Esc X		Paste	- Esc T
	- Delete		Previous Block	- ^P
	- Keypad .		Previous Field	- ^B
Delete Record	- Esc D		Print	- Esc P
Display Error	- Esc V		Refresh	- ^F
Down	- Down		Return	- Return
	- ^D		Right	- Right
	- Keypad 2			- ^R
Edit	- ^E			- Keypad 6
End of Line	- Esc Esc R		Scroll Down	- Esc Down
Enter Query	- Esc Q			- Esc W
Execute Query	- Esc E		Scroll Left	- Esc Left
Exit	- ^Z		Scroll Right	- Esc Right
Help	- Esc H		Scroll Up	- Esc Up
Insert Record	- Esc I			- Esc U
Insert/Replace	- Esc O		Search	- Esc G
SF1	- Esc 1		Select	- Enter
SF2	- Esc 2			- Esc S
SF3	- Esc 3		Show Keys	- ^K
SF4	- Esc 4		Up	- Up
				- ^U
				- Keypad 8

^ = CTRL

Note: Some terminal emulators will not pass the Esc key