

LogView User Guide

TK 50913-4-MS

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Chapter 1: Introduction

Welcome to LogView Software



Welcome to LogView software for Windows. LogView software manages data and creates reports based on controller and datalogger information quickly and easily using a desktop or laptop computer.



A desktop or laptop PC requires Windows 95/Windows NT 3.5.1 or later.

This manual introduces you to the main features of LogView software, showing you how to do the most common tasks quickly and easily. This manual also contains tips and hints on using LogView software as efficiently as possible.

LogView Features

Use LogView to perform the following tasks:

- Archive trip data
- Create reports
- View reports
- Print reports

Note: The type of report and amount of information you can include in a report depends on the controller type, and the type and amount of data in the trip file.

LogView supports data files retrieved from the following controllers:

- MP-3000
- MPC-2000ID
- MPC-2000
- μ P-D
- μ P-A+
- μ P-A
- μ P
- DAS

Downloading Trip Files from Thermo King Dataloggers

Use SmartSponge software to retrieve data from the datalogger in your controller. To obtain a copy of SmartSponge software, contact the nearest Thermo King dealer, or Thermo King Corporation, 314 West 90th Street, Minneapolis, Minnesota 55420, USA.

NOTE: LogView can be used to create reports from trip files downloaded using PC-Pac software from μ P-D, μ P-A+, μ P-A and μ P controllers.

Installing LogView Software

This section describes how to install your LogView software. LogView can be installed from CD or Floppy disk in Windows 95/98 or Windows NT Workstation 3.5.1 (or higher). You may also wish to install LogView on a network. Each of these methods is described below.

Installing LogView from CD



To install LogView in Windows 95/98 or Windows NT Workstation 3.5.1 (or higher):

1. Insert the CD in your CD-ROM drive.

NOTE: You should close all running applications before installing LogView software.

2. From the Windows **Start** menu, select **Run**.
3. Type D:\setup (where D: is your CD-ROM drive). Then click **OK**.
4. Follow the instructions on the screen. The install program copies LogView files to the default directory "**C:\Program Files\ThermoKing\LogView**".
 - To accept the default directory, click **Next**.
 - To install the program files in a different directory, click **Browse** and select it. Click **Next** to continue the installation.
5. To copy program files to your directory selections, click **Next**.
6. To review the on-line help file when the installation is complete, click the "README" check box before clicking **Finish**.

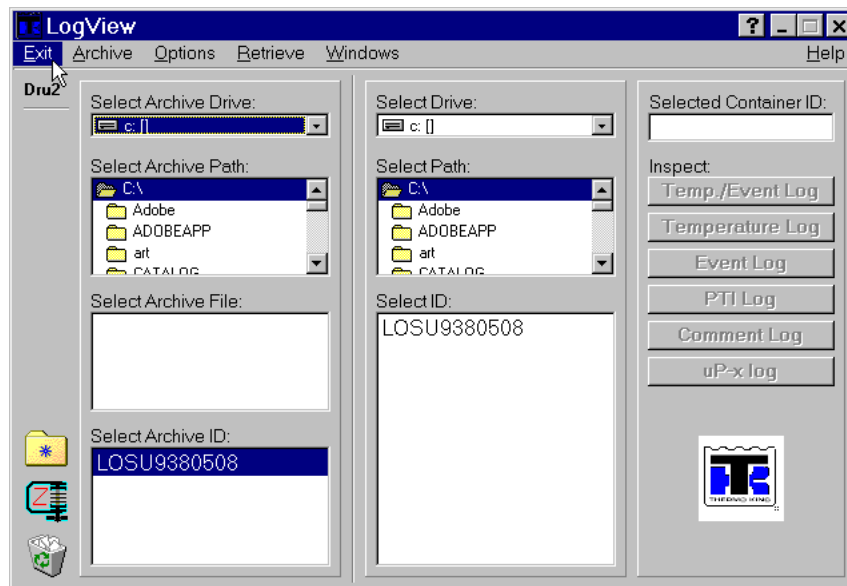
NOTE: It is recommended that you read the help file before using the program to create reports.

Chapter 2: Quick Tour

This section gives you a quick overview of LogView software features, the LogView Main Menu Window and brief explanations on how to perform datalogger tasks from the menu bar.

LogView Main Menu Window

The LogView Main Menu window (shown below) includes a menu bar, tool bar, an archive file window, a current (active) file window, and an Inspect task bar.



Menu Bar

The Menu Bar contains all of the LogView program menus. Use the Menu Bar to view submenu items and perform tasks. When you click on a menu item, a submenu of commands drops down (except clicking on **Exit** closes the LogView program).

File Type Message Window

A message window, located below Exit in the menu bar, displays the current **File Type** setting. LogView uses the **Archive > File Type** setting to determine which files to display in the **Select Archive File** window. File type settings include:

- **LogView/Dru2:** LogView displays all MP-3000, MPC-2000ID and MPC-2000 trip files in the current directory downloaded using SmartSponge or Dru2 software.
- **Dru3:** LogView displays all MP-3000, MPC-2000ID and MPC-2000 trip files in the current directory downloaded using Dru3 software only.
- **Zip:** LogView displays all files in the current directory with the .zip file extension.
- **uP-x:** LogView displays all uP-D, uP-A+, uP-A and uP trip files in the current directory with the file extensions .trp and .his.

Tool Bar

The Tool Bar contains three icons: **Create Directory** icon, **Create Zip File** icon and a **Recycle Bin** icon. The use of each icon is described below.



Create Directory Icon

Use the **Create Directory** icon to add a folder to the **Select Archive File** window. To create a directory (folder):

1. Click on the **Create Directory** icon and drag it to the **Select Archive File** window.
2. Release the icon. A **New Directory** window appears.

3. Type the directory name you want in the **Name** text box. Click **OK**.
4. The program returns to the Main Menu window. The new directory appears in the **Select Archive File** window.



Create Zip File Icon

Use the **Create Zip File** icon to create a zip file in the **Select Archive File** window. To create a file:

1. Click **Archive**, click **File Type**, and click **Zip**.
NOTE: LogView must be set to view .zip files in the current directory before you can create a new .zip file.
2. **Zip** appears in the **File Type** window immediately below **Exit** in the menu bar.
3. Click and drag the **Create Zip File** icon to the **Select Archive File** window.
4. Release the icon. A **New Archive** window appears.
5. Type the file name you want in the **Name** text box. Click **OK**.
6. The program returns to the Main Menu window. The new archive file appears in the **Select Archive File** window.

NOTE: You can now compress and add download files to this zip file using any separate zip/unzip file compression program on your computer.



Recycle Bin Icon

Use the **Recycle Bin** icon to delete a data file or directory (folder) from the **Select Archive** window on your computer. Dragging a file or directory to the **Recycle Bin** icon in LogView moves the file to the recycle bin of your computer. To permanently delete the file from your computer, you must double click the **Recycle Bin icon your computer's desktop** and select the **File > Empty Recycle Bin** command.

CAUTION: Because LogView displays your entire computer directory in the Select Archive Path list box, you can accidentally remove system folders and other data folders from your computer using the LogView program. You can also remove individual zip files. You can not remove other files unless they are datalogger files because the Select Archive File list box displays only the current File Type that appears in the Current File Type message window (e.g. Dru2, Dru3, Zip and μP -x).

To delete a file or directory through the LogView program:

1. Click on the file (or directory folder) you want to delete from the **Select Archive** window and drag it to the **Recycle Bin** icon.
2. Release the icon. A **Confirm File Delete** message window appears. Click **Yes**.
NOTE: The LogView program does not allow you to delete trip files or folders from the Select Path list box or Select ID list box.
3. The program returns to the Main Menu window. The file (or directory folder) no longer appears in the **Select Archive File** (or Select Archive Path) list box.

*NOTE: If you accidentally delete a file or folder, you can **restore the file or folder** from the Recycle Bin of your computer. Double click on the **Recycle Bin** icon on your computer's desktop. Then select the file or folder you want to restore and click **File > Restore** from the menu bar.*

Select Archive Window

After you transfer download files from a laptop PC, palmtop PC or Psion (DRU2 or DRU3) device to your desktop computer, use the **Archive** window to view the files. The Select Archive window contains three list boxes: Select Archive Drive, Select Archive File and Select Archive (Container) ID. To use LogView to create a trip report, you must first select a data file from the Select Archive ID window and copy it to the Select ID list box in the Select Drive window.

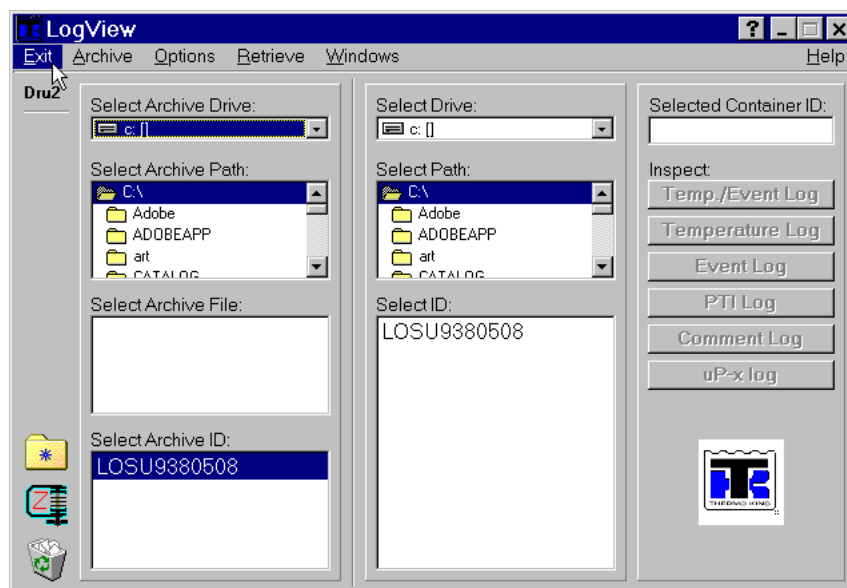
NOTE: Remember that LogView displays only the type of datalogger files indicated in the File Type Message window. Use the Archive > File Type command from the menu bar to set the Archive Window to display the type of files you want to view.

Select (Current) Window

LogView creates trip reports from the data files that have been copied to the Select ID list box in the **Select Drive** window. The Select Window contains three list boxes: Select Drive, Select File and Select (Container) ID.

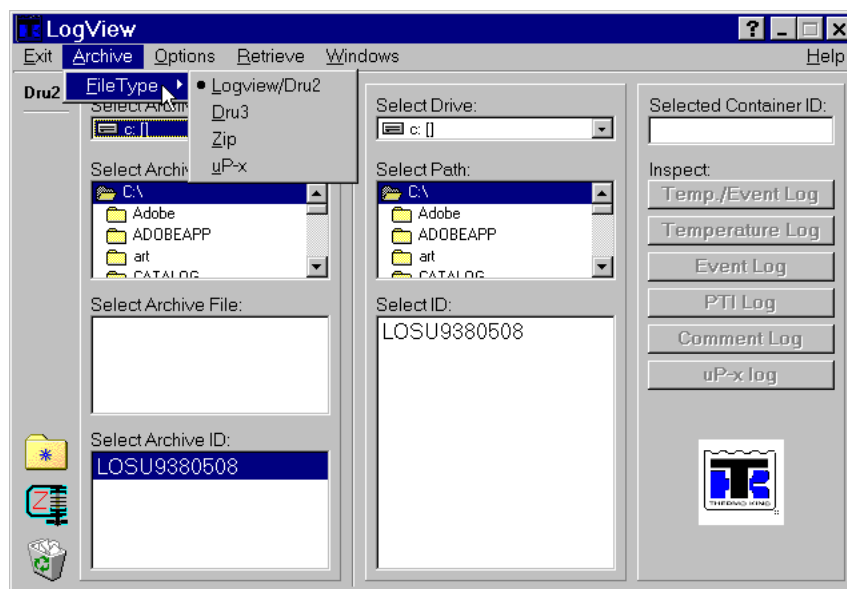
Menu Bar: Exit

Clicking on **Exit** closes the LogView program.



Menu Bar: Archive

The Archive menu contains the **File Type** submenu. LogView uses the File Type selection to determine which datalogger files appear in the **Select Archive** window.



NOTE: See "Default File Name" in Appendix B: Glossary of this manual for information about trip file naming conventions for MP-3000, MPC-2000ID and MPC-2000 controllers and μ P-D, μ P-A+, μ P-A and μ P.

File Type > Logview/Dru2

When the File Type selection is Logview/Dru2, LogView displays all MP-3000, MPC-2000ID and MPC-2000 trip files in the current directory downloaded using SmartSponge or Dru2 software.

File Type > Dru3

When the File Type selection is Dru3, LogView displays all MP-3000, MPC-2000ID and MPC-2000 trip files in the current directory downloaded using Dru3 software only.

File Type > Zip

When the File Type selection is Zip, LogView displays all files in the current directory with the .zip file extension.

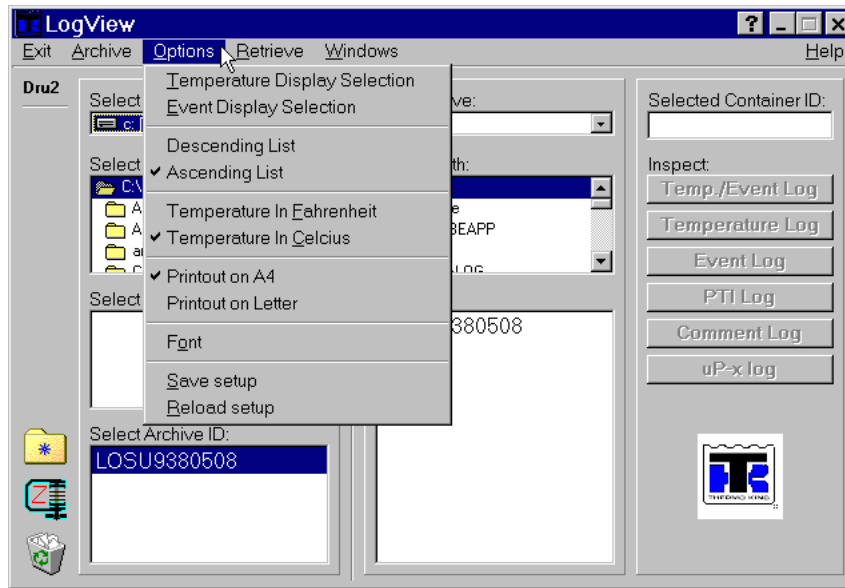
File Type > μ P-X

When the File Type selection is μ P-x, LogView displays all μ P-D, μ P-A+, μ P-A and μ P trip files in the current directory with the file extensions .trp and .his.

Menu Bar: Options

The Option menu contains commands that determine how information will appear in your reports.

Note: The Option menu functions you can perform depend on the controller type.

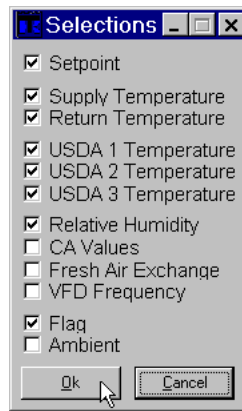


Options > Temperature Display Selection (MP-3000, MPC-2000ID and MPC-2000 Trip Files Only)

Use Temperature Display Selection window to select the information you want to appear in **Temperature Log** reports. Click in the check box to select or deselect an item:

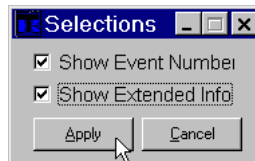
NOTE: To view the information you select in a report, the information must also have been recorded by the datalogger.

- Setpoint Temperature
- Supply Temperature
- Return Temperature
- USDA 1 Temperature
- USDA 1 Temperature
- USDA 1 Temperature
- Relative Humidity
- CA (Controlled Atmosphere) Values
- Fresh Air Exchange
- VFD (Evaporator Fan Speed) Frequency
- Flag (Event and Alarm Codes)
- Ambient Temperature



Options > Event Display Selection (MP-3000, MPC-2000ID and MPC-2000 Trip Files Only)

Use Event Display Selection window to select the information you want to appear in **Event Log** reports.



- Show Event Number: Log includes a reference number for each event.
- Show Extended Info: Log includes additional electric power and switch position information.

Options > Descending List (MP-3000, MPC-2000ID and MPC-2000 Trip Files Only)

Select Descending List to view trip information from the last (most recent) event to the first (oldest) event.

Options > Ascending List (MP-3000, MPC-2000ID and MPC-2000 Trip Files Only)

Select Ascending List to view trip information from the first (oldest) event to last (most recent) event.

Options > Temperature in Fahrenheit

Select Fahrenheit to view temperatures in degrees F.

Options > Temperature in Celsius

Select Celsius to view temperatures in degrees C.

Options > Printout on A4

Select A4 to set LogView to size reports to fit on 8.25 in. x 11.75 in. paper.

Options > Printout on Letter

Select Letter to set LogView to size reports to fit on 8.5 in. x 11.0 in. paper.

Options > Font

Click on Font to open the Font window. Select the font (type), style (bold, regulator, italics, etc.) and point size of the report text.

Options > Save Setup

Select Save Setup to store your Options selections as the default settings for future LogView reports.

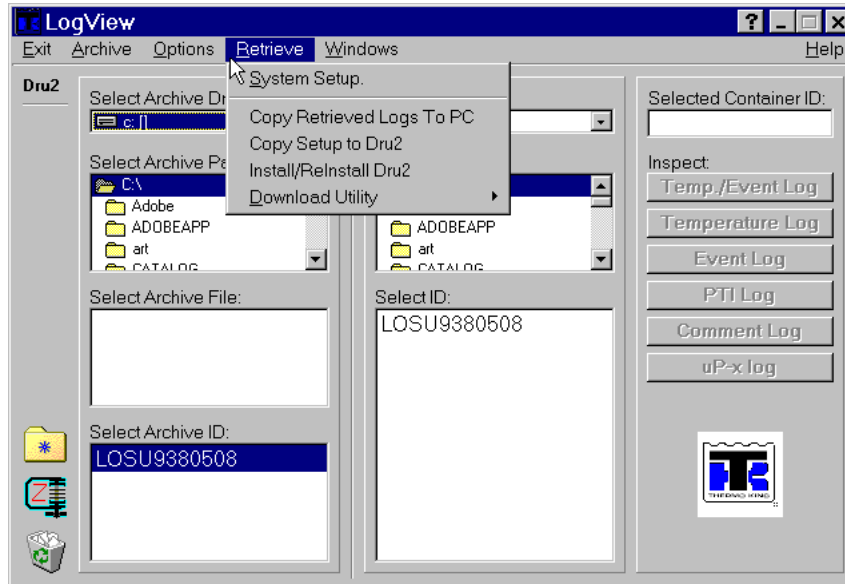
Options > Reload Setup

Select Reload Setup to restore the current Options selections to the default settings (recorded from last Save Setup tasks).

Menu Bar: Retrieve

The **Retrieve** menu contains commands that are used to link to a **Psion** handheld computer to manage **DRU2** software and data files.

NOTE: For more detailed information about performing tasks from the Retrieve submenu, see the DRU2 User Manual or Service Manual.



Retrieve > System Setup

Use this command to change the user name, user keyword, probe setup, probe names, degrees C/F, communication setup (com port, printer port and paper size), and download directory.

Retrieve > Copy Retrieved Logs to PC

Use this command to copy datalogger files from a Psion computer to your PC.

Retrieve > Copy Setup to Dru2

Use this command to transfer your System Setup changes to the Dru2 software on a Psion computer.

Retrieve > Install/Reinstall Dru2

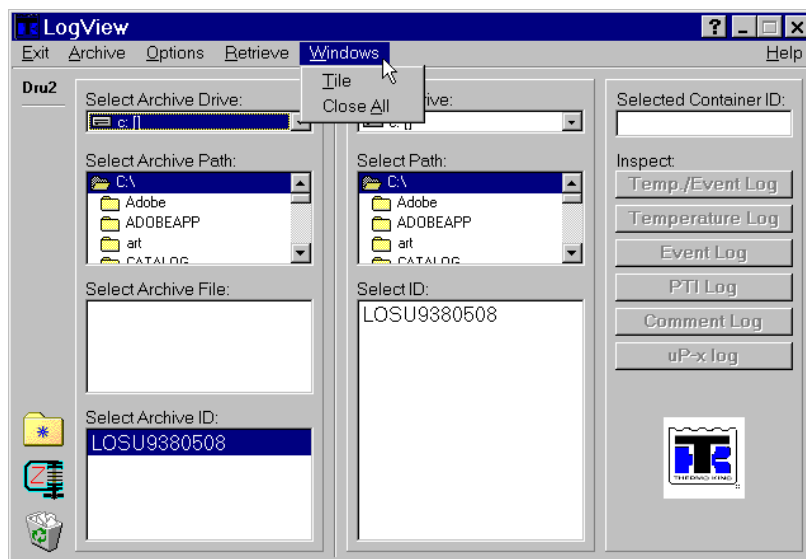
Use this command to update and reinstall Dru2 software on a Psion computer.

Retrieve > Download Utility

Use this command to copy the download file to the Dru2 software on a Psion computer.

Menu Bar: Windows

The Windows menu contains commands to manage multiple report windows.



Windows > Tile

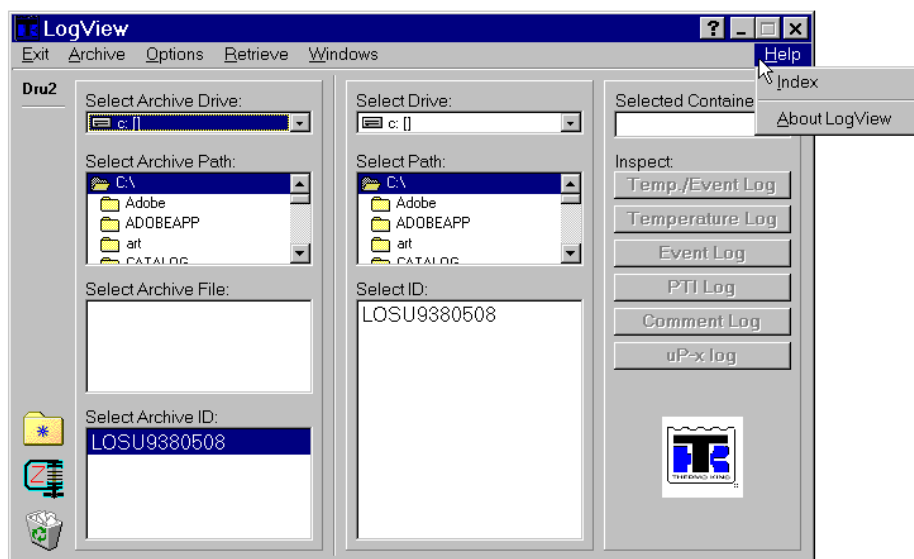
Use Tile to display two or more report windows edge to edge.

Windows > Close All

Use Close All to close one or more report windows.

Menu Bar: Help Menu

The Help menu contains commands for starting On-line Help and displaying information about LogView software.



Help > Index

Use Index to view information about the LogView program on the computer screen.

Help > About LogView

Use About LogView to view the LogView program version and copyright information.

Chapter 3: Creating Reports

This section describes how to create a report from a trip file that has been downloaded from a datalogger. To create reports, you must first:

- Copy the trip file to a computer running the LogView program.
- Copy the trip file to the LogView Select Drive window.
- Decide what information you want to include in your report.
- Select the type of report you want to view.

Copying Trip Files to Your Desktop PC

To create a report from trip file, you must transfer the file to a computer running the LogView program.

CAUTION: MP-3000, MPC-2000ID and MPC-2000 download files from the same controller (or controller with the same container ID) are automatically assigned the same file name by the download device. This is necessary to preserve the standard correspondence between the name of the file and the Container ID. Thermo King recommends storing download files from the same controller in separate directories or on separate diskettes for permanent storage. Archive storage of all download files is completely the responsibility of the operator.

Copying Trip Files from a Psion Handheld Computer to a Desktop PC

NOTE: See the DRU2 User Manual or Service Manual for step-by-step instructions about copying data files from a Psion handheld computer to a desktop PC using the Retrieve Menu commands in LogView.

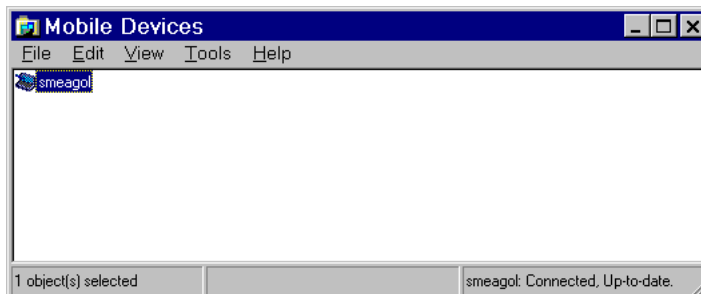
Copying Trip Files from a Palmtop PC to a Desktop PC

NOTE: To copy data files from a palmtop PC to a desktop PC, you must have Windows CE Mobile Devices communications software installed on your desktop PC and a palmtop PC communications cable.

Use Windows Explorer and the Mobile Devices window to copy files:

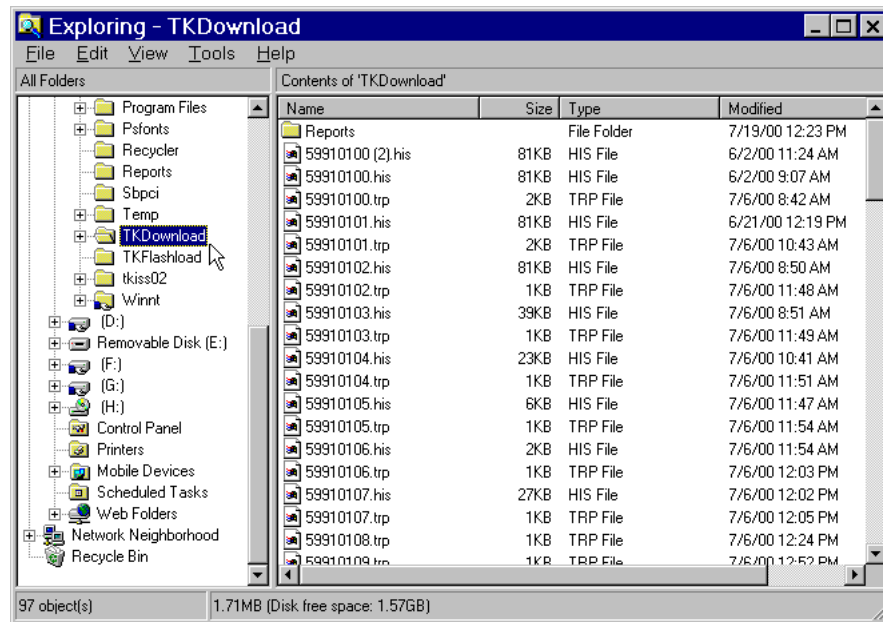
1. Connect the palmtop PC to a COM port on desktop (or laptop) PC using the palmtop PC communications cable.
2. Turn the palmtop PC ON.
3. Start the **Mobile Devices** software on your desktop PC. If the Windows CE communications software does not automatically create a communications link to your palmtop PC, click **File** in the menu bar of the Mobile Devices window. Then click **Enable Serial Connection**.

NOTE: For more detailed information about remote communications, see Windows CE On-line Help or the User's Guide for your palmtop PC.

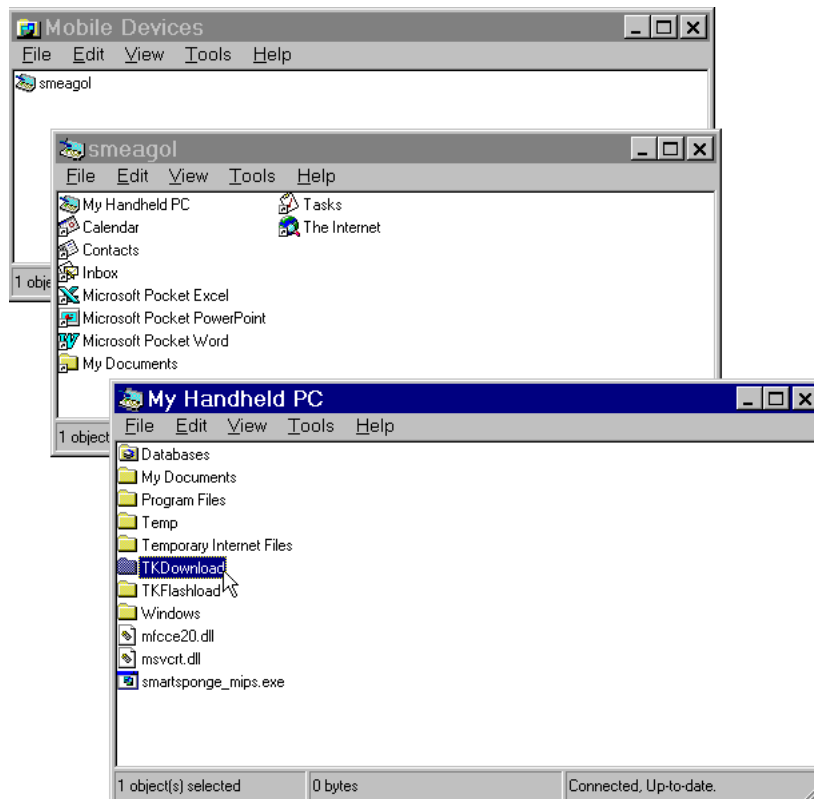


4. Start Windows Explorer: Click **Start**, click **Programs**, and then click **Windows Explorer**.
5. Open the folder that hold trip files on your desktop PC (typically "C:\TKDownload"): Click on the folder (e.g. **TKDownload**).

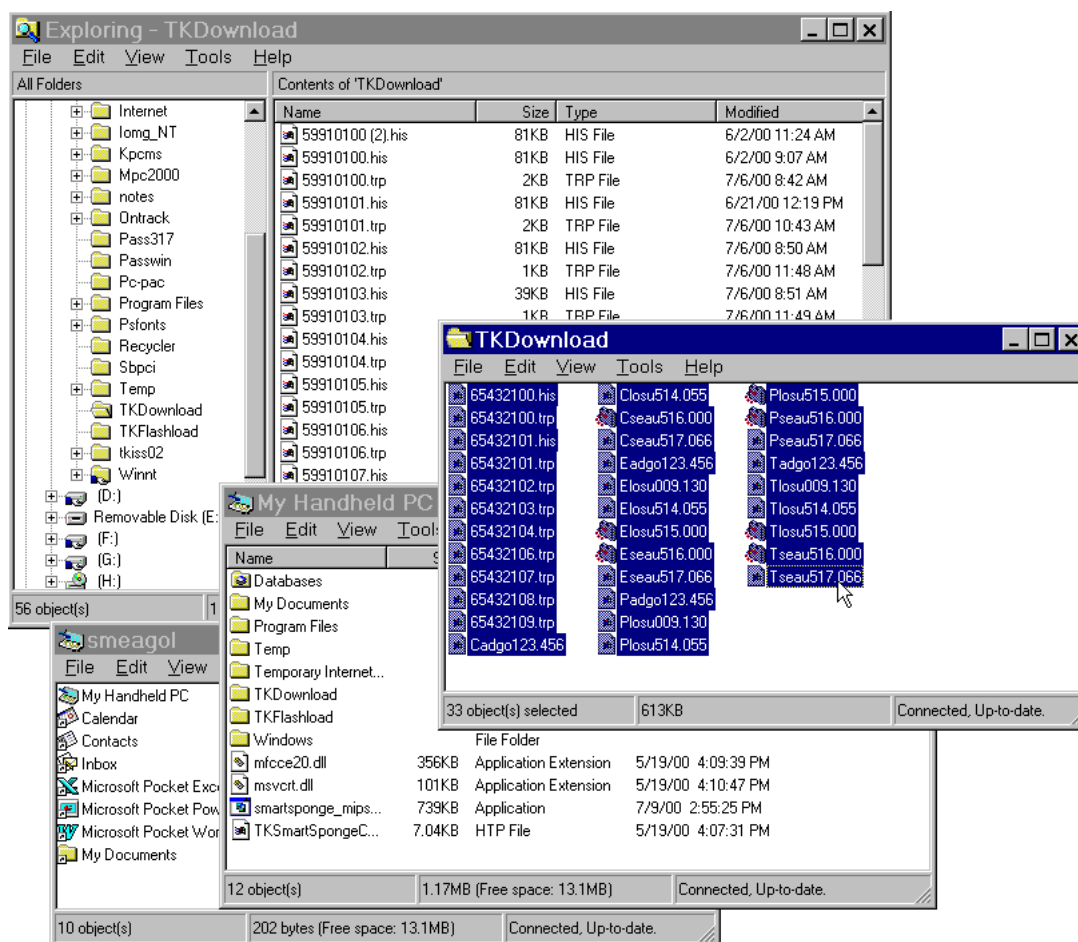
NOTE: If you want to place the download files in a different directory, click on the directory or make a new folder.



6. Open the “*My Handheld PC*” directory on the palmtop PC to view the data files: Double click the **palmtop PC** icon in the Mobile Devices window, click on the **My Handheld PC** folder, and then click on the trip file folder (e.g. **TKDownload**).



7. Copy the data files from the palmtop PC **TKDownload** folder to the desktop PC. Highlight the files you want to copy, then drag and drop the files in the trip file folder (e.g. **TKDownload**) on the desktop PC.



8. When the copy task is complete, check to be sure all files have been transferred.

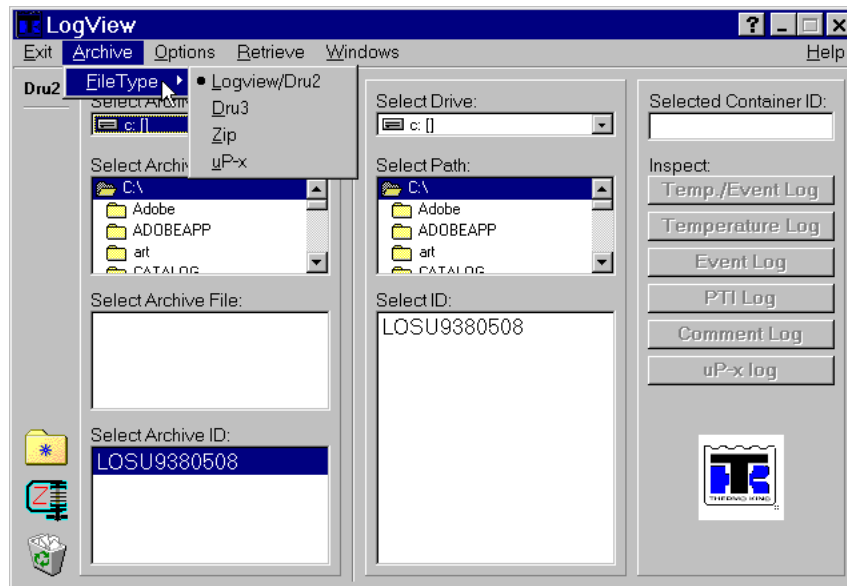
NOTE: See Windows Explorer help or the palmtop PC User's Guide for more information.

Copying a Trip File to the LogView Select Drive Window

Before LogView can create a report from a trip file, the program must open the file, identify the controller type, and assign a report template to the data. The program then renames and saves the data file in the Select Drive Path.

CAUTION: Copying a trip file to the LogView Select Drive window may overwrite an existing trip file. MP-3000, MPC-2000ID and MPC-2000 download files from the same controller (or controller with the same container ID) are automatically assigned the same file name by the download device. This is necessary to preserve the standard correspondence between the name of the file and the Container ID. Thermo King recommends storing download files from the same controller in separate directories or on separate diskettes for permanent storage. Archive storage of all download files is completely the responsibility of the operator.

1. Start **LogView**: Click the Windows **Start** button, click **Programs**, and then click the **LogView** program. The LogView main window appears.
2. Select the **data file** you want to use to create a report.
 - a. Click **Archive**, click **File Type**, and then select the type of file you want to use to create a report:



- ❑ Logview/Dru2: LogView displays all files stored in the current directory that have been copied to the Select Drive window and all MP-3000, MPC-2000ID and MPC-2000 trip files (downloaded using Dru2 or SmartSponge software).
- ❑ Dru3: LogView displays all files stored in the current directory that have been downloaded using Dru3 software (MP-3000, MPC-2000ID and MPC-2000 trip files).
- ❑ Zip: LogView displays all files in the current directory with the .zip file extension.
- ❑ uP-x: LogView displays all files in the current directory with the file extensions .trp and .his. These are uP-D, uP-A+, uP-A and uP files downloaded using PC-Pac or SmartSponge software.

NOTE: The LogView installation program places a sample file in the root directory of your computer (typically drive C:\). If you do not have any trip files on your computer, you can use this file ("LOSU9380508") to create and view a sample report.

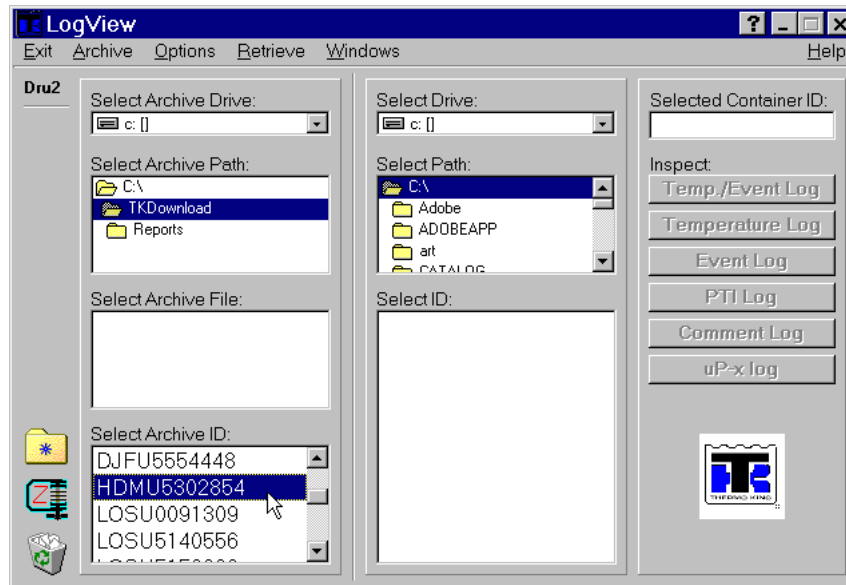
- b. Click in the **Select Archive Drive** list box. Select the **drive** that stores the data file you want (typically C:\ drive).
- c. Click in the **Select Archive Path** list box. Browse through the directories until you find the **folder** (directory) that stores the data file you want (typically: C:\TKDownload or C:\Dru2\Data). Double click on the **folder** to open it.

NOTE: Any LogView data file that is stored in the folder (or path) will appear by container ID in the Select Archive ID list box. A LogView data file is any trip file (MP-3000, MPC-2000ID, MPC-2000, uP-D, uP-A+, uP-A or uP) that has already been copied to the LogView Select ID list box.

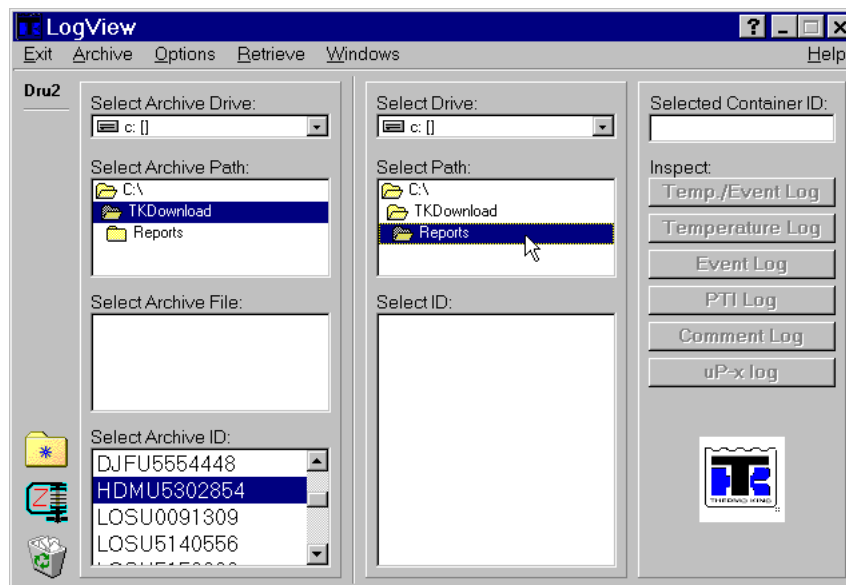
- d. If you are looking for a uP-x trip file or zip file, click in the **Select Archive File** list box. Scroll to find the **trip file** you want. Click on the **file** to select it.

NOTE: LogView files, Dru2 files and Dru3 files display directly in the Select Archive ID File list box.

- e. A list of container ID numbers appear in the **Select Archive ID** window. Scroll to locate the **Archive ID** you want.

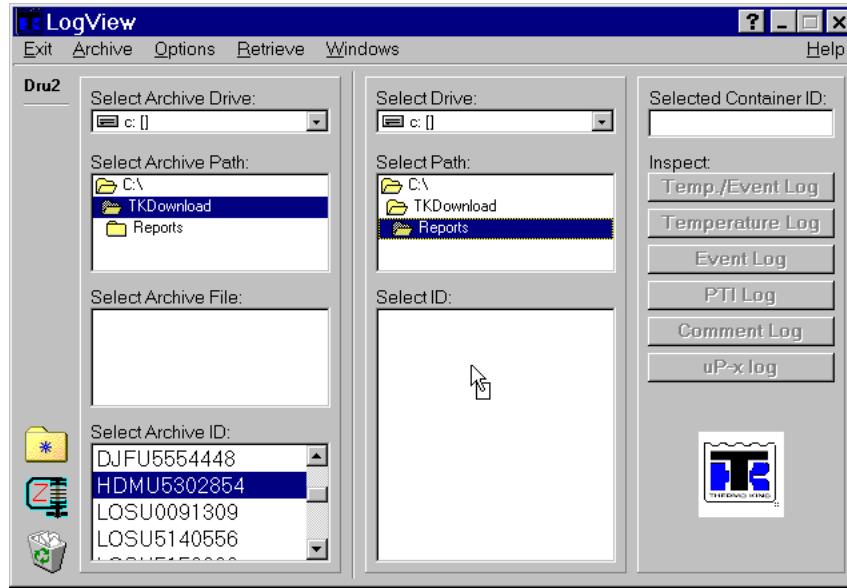


3. Select the **drive and directory path** you want to use to store the trip files you have opened in LogView to create a report.
 - a. Click in the **Select Drive** list box. Select the **drive** you want to use to store the LogView file (typically C:\ drive).
 - b. Click in the **Select Path** list box. Browse through the directories until you find the **folder** (directory) that you want to use to store the LogView file (typically: C:\TKDownload\Reports or C:\Dru2\Data\Reports). Double click on the **folder** to open it.

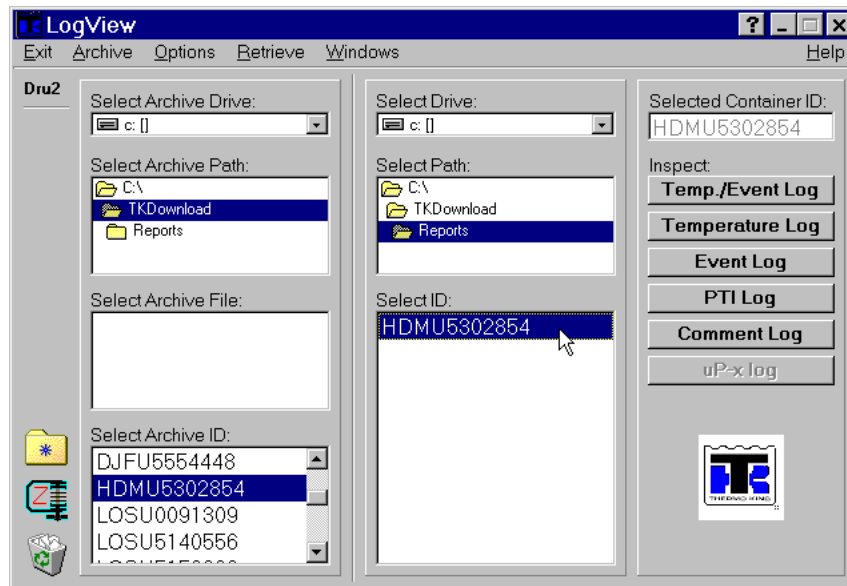


NOTE: The LogView files that are already stored in the folder will appear by container ID in the Select ID list box.

- Click on the **trip file** you want in the **Archive ID** list box, then drag and drop the file in the **Select ID** list box.



- The trip file ID (container ID) number appears in the **Select ID** window when LogView has finished saving the log file(s) in the Select Drive path.

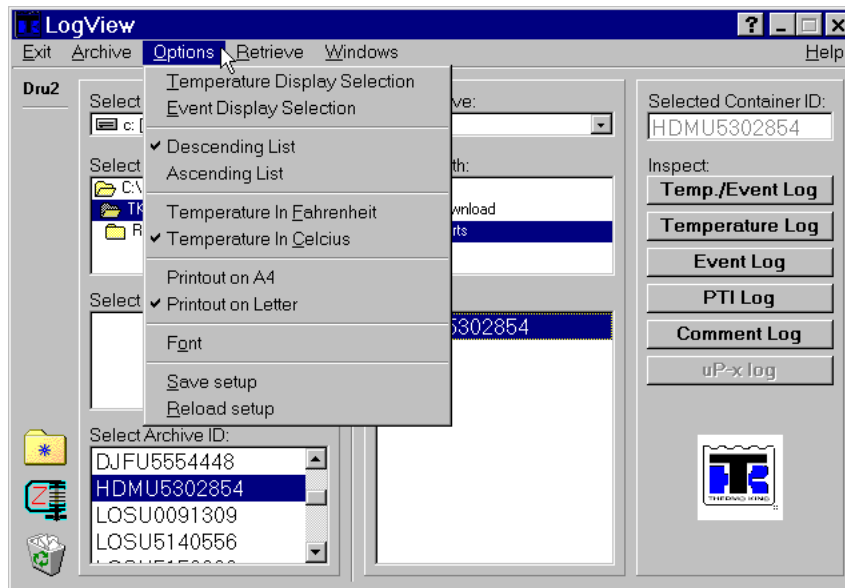


Setting Report Options

Before you create a report, you should decide what information you want in the report and how you want the information to appear. You can also change the report settings after you display a report. However, LogView must process and redisplay a report each time a format or content selection is changed. Therefore, selecting your report settings from the Options submenu before you create a report will save time.

NOTE: Customizing your reports to exclude data stored in a trip file does NOT alter the original data in the file. Future reports created from a trip file may include more or less data.

NOTE: You can save the report format settings you use the most for future reports by selecting Save Setup from the Options submenu. You can also quickly return to your previously saved report selections by clicking on Reload Setup from the Options submenu.



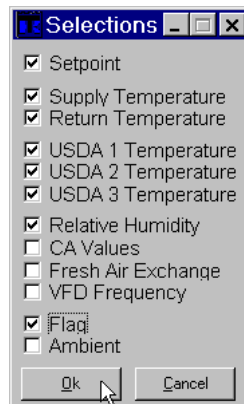
NOTE: See “Menu Bar: Options” in the Quick Tour chapter of this manual for more detailed information about the settings in the Options submenu.

With the **LogView** program running:

1. Select the temperature, humidity and operating information you want to include in a **Temperature Log** report.

NOTE: Settings in the Temperature Display Selection window apply to MP-3000, MPC-2000ID and MPC-2000 datalogger files only. μ P-x (μ P-D, μ P-A+, μ P-A or μ P) datalogger files are displayed in a predefined grid.

- a. From the menu bar, select **Options > Temperature Display Selection**.
- b. A **Selections** window appears.



- c. Click in a **Check Box** to select or deselect an item you want in the report.

NOTE: To view the information you select in a report, the information must also have been recorded by the datalogger.

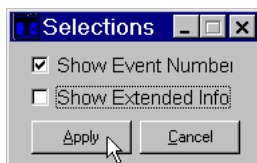
- d. Click **OK**.

- e. The program returns to the Main Menu window.

2. Select reference numbers and extended information to include in an **Event Log** report.

NOTE: Settings in the Event Display Selection window apply to MP-3000, MPC-2000ID and MPC-2000 datalogger files only. μP -x (μP -D, μP -A+, μP -A or μP) datalogger files are displayed in a predefined grid.

- a. From the menu bar, select **Options > Event Display Selection**.
- b. A **Selections** window appears.



- c. Click in a **Check Box** to select or deselect an item you want in the report.

- d. Click **OK**.

- e. The program returns to the Main Menu window.

3. Select the **sequence** you want to report information.

NOTE: The Descending List and Ascending List commands apply to MP-3000, MPC-2000ID and MPC-2000 datalogger files only. μP -x (μP -D, μP -A+, μP -A or μP) datalogger files are displayed in a predefined grid.

- a. From the menu bar, select **Options**.
- b. Then select **Descending List** or **Ascending List**:
 - ☐ Select Descending List to list the last trip event first in the report.
 - ☐ Select Ascending List to list the first trip event first in the report.

- c. The program returns to the Main Menu window.

4. Select the **temperature scale** you want to use to report temperatures.

- a. From the menu bar, select **Options**.
- b. Then select **Temperature Fahrenheit** or **Temperature Celsius**:
 - ☐ Select Fahrenheit to list temperatures in degrees F.
 - ☐ Select Celsius to list temperatures in degrees C.

- c. The program returns to the Main Menu window.

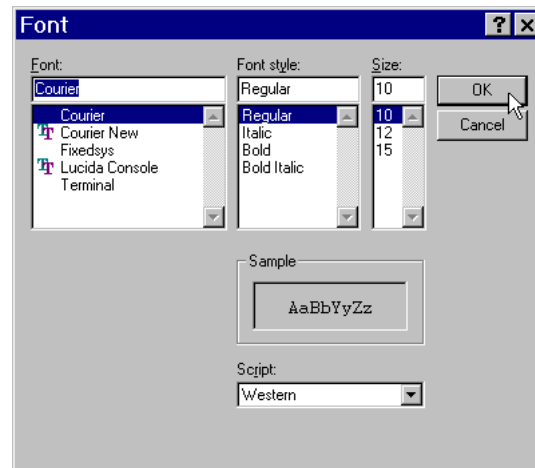
5. Select the **paper size** you want LogView to fit a printed report on.

- a. From the menu bar, select **Options**.
- b. Then select **Printout on A4** or **Printout on Letter**:
 - ☐ Select Printout on A4 to 8.25 in. x 11.75 in. paper.
 - ☐ Select Printout on Letter to use 8.5 in. x 11.0 in. paper.

- c. The program returns to the Main Menu window.

6. Select the **font** you want to use view or print a report.

- a. From the menu bar, select **Options > Font**.
- b. The **Font** window appears.

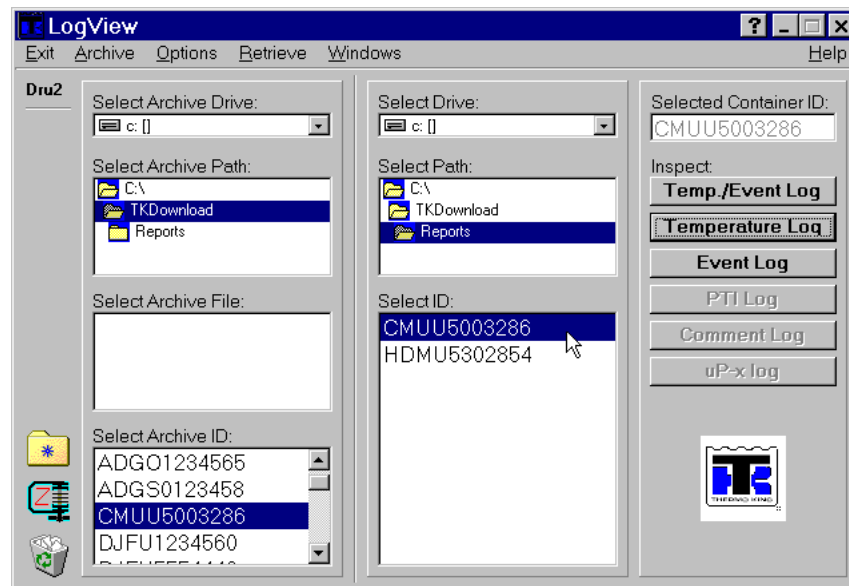


- c. Click in the list box to select the **Font**, **Font Style** and **Size** for the report text.
 - d. The **Sample** message box shows how your selection(s) will appear.
 - e. Click **OK**.
 - f. The program returns to the Main Menu window.
7. **Save your new report settings or reload your previous report settings.**
- a. From the menu bar, select **Options**.
 - b. Then select **Save Setup** or **Reload Setup**:
 - ☐ Select Save Setup to store your current Options selections as default settings for future reports.
 - ☐ Select Reload Setup to restore the current Options selections to the default settings (stored from last Save Setup).
 - c. The program returns to the Main Menu window.

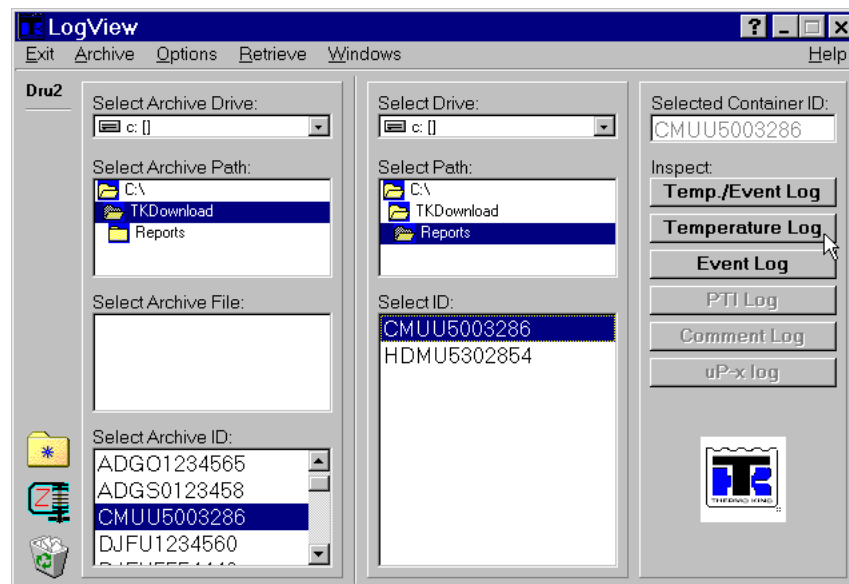
Viewing a Report from a Data File

When a data file is selected (highlighted) in the **Select ID** window, LogView automatically shows you the type of reports you can create by activating the **Inspect** buttons. The Inspect buttons are activated based on the controller type and the data stored in the select drive path.

1. Start **LogView**: Click the Windows **Start** button, click **Programs**, and then click the **LogView** program. The LogView main window appears.
2. Select the **trip file** you want to use to create a report.
 - a. Click in the **Select Drive** list box. Select the **drive** that stores the data file you want (typically C:\ drive).
 - b. Click in the **Select Path** list box. Browse through the directories until you find the **folder** (directory) that stores the data file you want (typically: C:\TKDownload\Reports or C:\Dru2\Data\Reports). Double click on the **folder** to open it.
 - c. Data files that have been copied to the **Select ID** list box are identified by container ID. Browse through the list until you find the **trip file** (container ID) you want. Click on the **file** to select it.

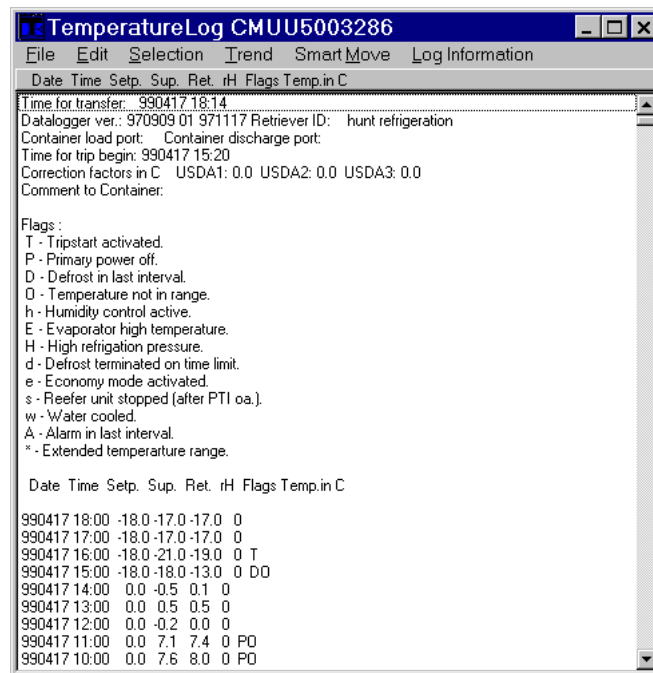


3. LogView automatically activates the **Inspect** buttons. Click the **report button** that describes the information you want to view or print:



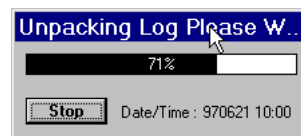
- ❑ **Temp/Event Log:** Displays both the Temperature Log and Event Log windows at the same time.
 - ❑ **Temperature Log:** Displays the Temperature Log window for MP-3000, MPC-2000ID and MPC-2000 trip files.
 - ❑ **Event Log:** Displays the Event Log window for MP-3000, MPC-2000ID and MPC-2000 trip files.
 - ❑ **PTI Log:** Displays the PTI (Pretrip) Log window for MP-3000, MPC-2000ID and MPC-2000 trip files.
 - ❑ **Comment Log:** Displays the Comment Log window for MP-3000, MPC-2000ID and MPC-2000 trip files.
 - ❑ **µP-x Log:** Displays the report log window for µP-D, µP-A+, µP-A and µP trip files.
4. The report you select appears on your computer screen momentarily.

NOTE: Sensor data must be recorded in the trip file to appear in a report. If a temperature was not recorded for a sensor, a table report shows OPEN when the sensor is selected.



NOTE: A temperature log from a MPC-2000ID controller is shown above. When the µP-x Inspect button is selected, a Trip List appears in the µP-x Log window. Double click on a trip marker to view trip data. For more information see "Customising Reports".

NOTE: If the file is large, a Status window appears to inform you of the progress while LogView reads the data to create a report.



5. When you are done viewing the report, click **File** and then click **Exit**. The program returns you to the Main Menu window.

NOTE: To customise the report or view a graph of a temperature log, see "Customizing Reports".

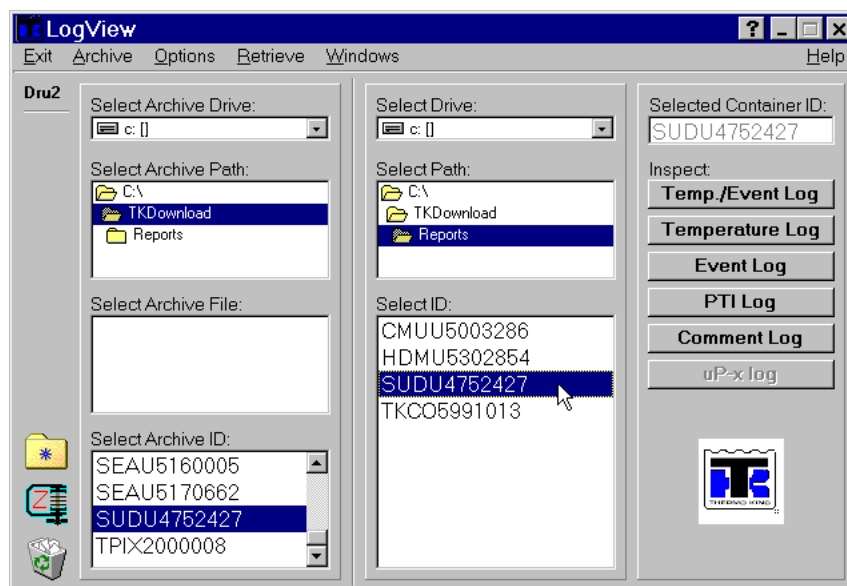
Chapter 4: Viewing and Printing Table Reports

This section describes how to view and customise your table reports. The information you include in a report and how LogView displays a report depends on the controller type. See the procedure for your controller type.

NOTE: Customizing your reports to exclude data stored in a trip file does NOT alter the original data in the file. Future reports created from a trip file may include more or less data.

Viewing Table Reports: Data Files from MP-3000, MPC-2000ID and MPC-2000 Controllers

MP-3000, MPC-2000ID and MPC-2000 controllers record temperature data, event data, pretrip data and comments in separate logs. Therefore, LogView creates a separate report for each type of log. LogView activates the Inspect buttons based on the data logs stored with the controller ID in the Select ID window.



Click the appropriate **Inspect** button to create the following table report types for data files from MP-3000, MPC-2000ID and MPC-2000 controllers: Temp/Event Log, Temperature Log, Event Log, PTI Log and Comment Log.

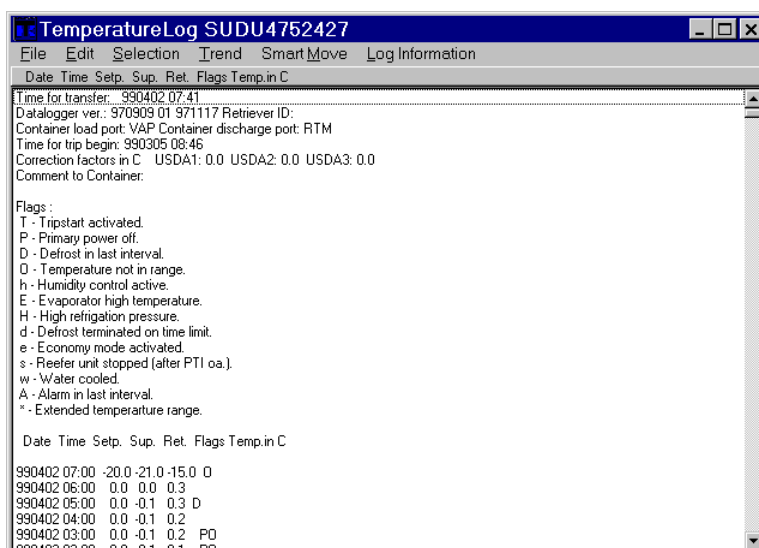
Click Temp/Event Log Button

LogView displays both the Temperature Log and Event Log tables at the same time.

Click Temperature Log Button

LogView displays the Temperature Log table.

NOTE: Sensor data must be recorded in the trip file to appear in a report. If a temperature was not recorded for a sensor, a table report shows OPEN when the sensor is selected.



Temperature Log Window Menu Bar

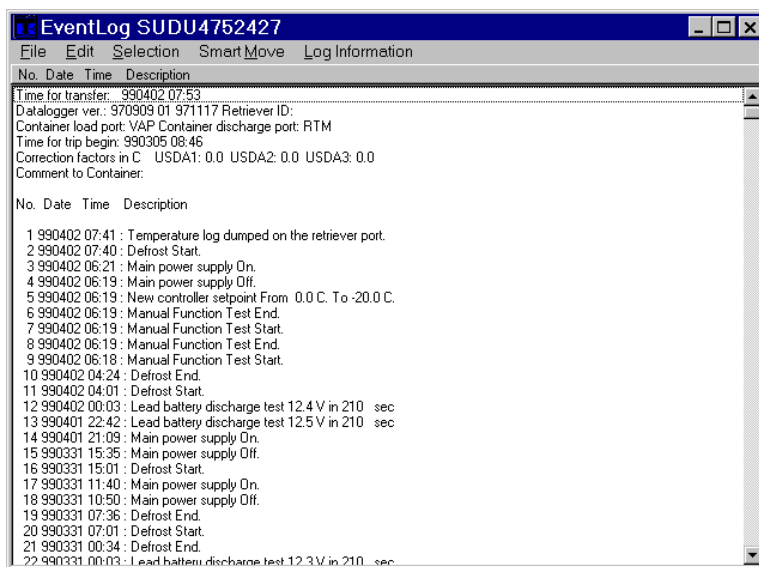
The menu bar in the Temperature Log window contains the following submenus and commands:

- **File > Print:** This command opens the Print Preview window.
 - > **Save As:** This command opens the Save As window.
 - > **Exit:** This command closes the Temperature Log window.
- **Edit > Copy All:** This command copies the trip data in the window to the Windows clipboard.
- **Selection:** This command opens the Event Log Selection window.

NOTE: See the section on Setting Report Options to display or hide sensor data.
- **Trend:** This command displays a graph of the temperature and humidity data.
- **Smart Move > Active:** This command starts the trace feature between the Temperature Log, Trend and Event Log windows.
- **Log Information:** This command displays a list of Event Flag definitions in a Log Information window.

Click Event Log Button

LogView displays the Event Log table.



Event Log Window Menu Bar

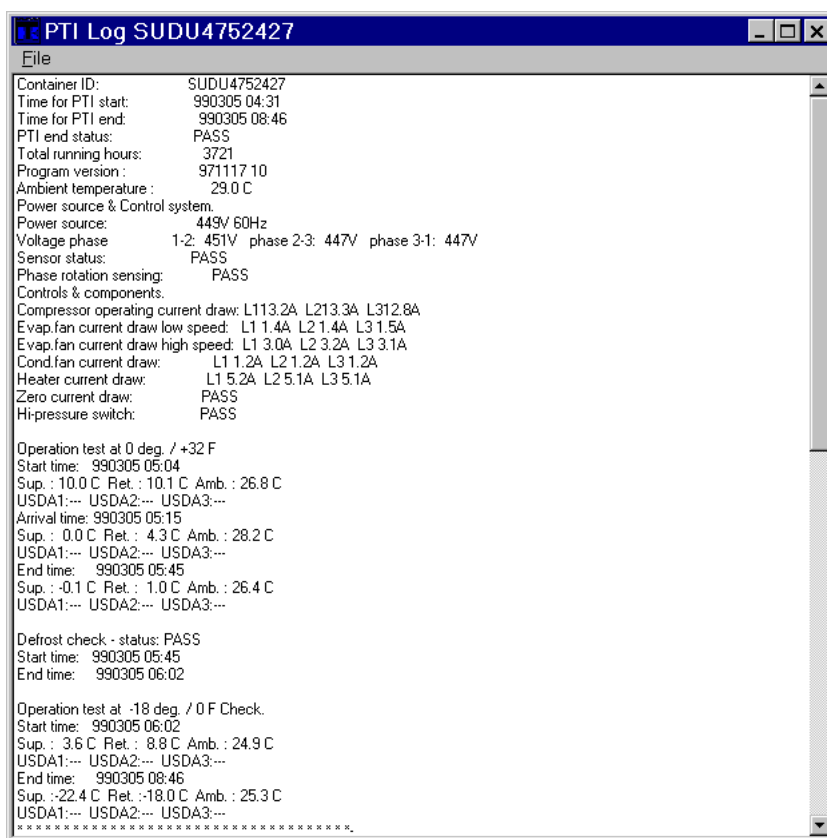
The menu bar in the Event Log window contains the following submenus and commands:

- **File > Print:** This command opens the Print Preview window.
 - > **Save As:** This command opens the Save As window.
 - > **Exit:** This command closes the Event Log window.
- **Edit > Copy All:** This command copies the trip data in the window to the Windows clipboard.
- **Selection:** This command opens the Event Log Selection window.

NOTE: See the section on Setting Report Options to display or hide event data.
- **Smart Move > Active:** This command starts the trace feature between the Temperature Log, Trend and Event Log windows.
- **Log Information:** This command displays a list of Event Flag definitions in a Log Information window.

Click PTI Log Button

LogView displays the PTI (Pretrip) Log table.



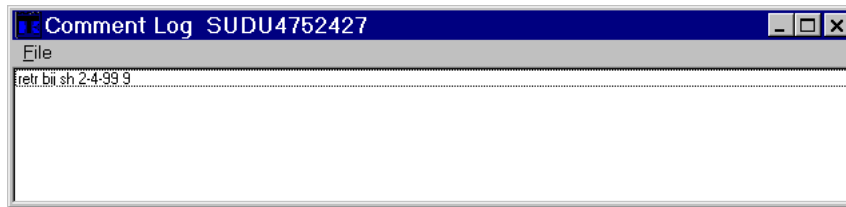
PTI Log Window Menu Bar

The menu bar in the PTI Log window contains the following submenus and commands:

- **File > Print:** This command opens the Print Preview window.
 - > **Save As:** This command opens the Save As window.
 - > **Exit:** This command closes the PTI Log window.

Click Comment Log Button

LogView displays the Comment Log table.

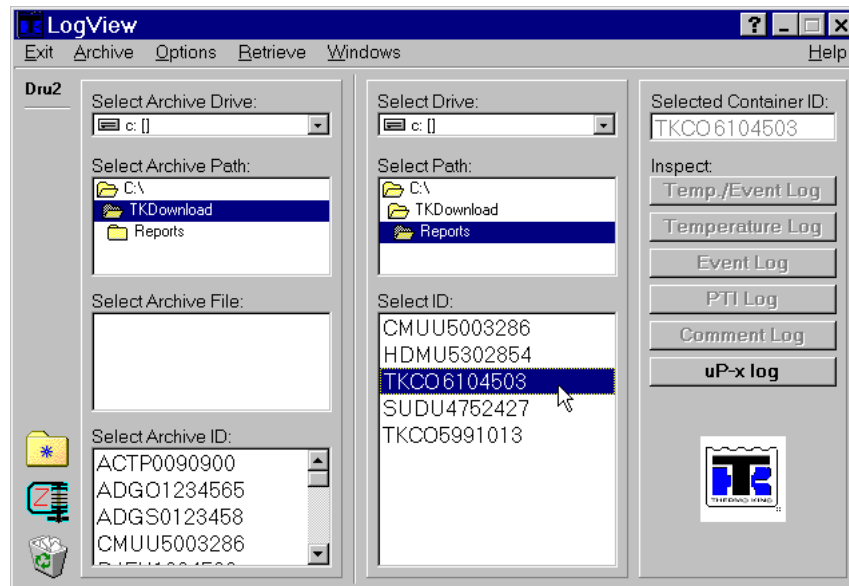
**Comment Log Window Menu Bar**

The menu bar in the Comment Log window contains the following submenus and commands:

- **File > Print:** This command opens the Print Preview window.
 - > **Save As:** This command opens the Save As window.
 - > **Exit:** This command closes the Comment Log window.

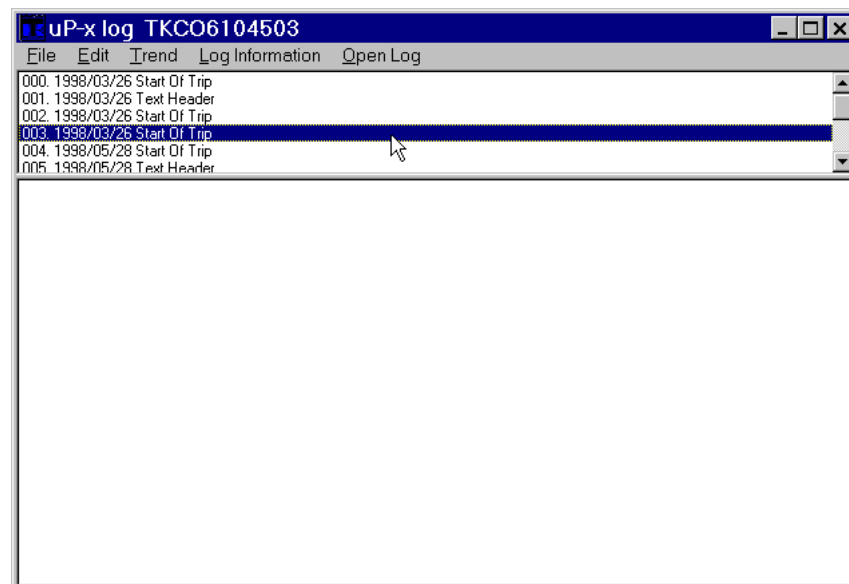
Viewing Table Reports: Data Files from μ P-D, μ P-A+, μ P-A and μ P Controllers

μ P-D, μ P-A+, μ P-A and μ P controllers record temperature, event and pretrip data together in a single log. Therefore, LogView displays table reports in a predefined grid. LogView activates the following Inspect button for μ P-D, μ P-A+, μ P-A and μ P data files:



Click μ P-x Log Button

LogView displays a Trip List for μ P-D, μ P-A+, μ P-A and μ P trip files. This feature allows you to create a report from any trip marker in the list.

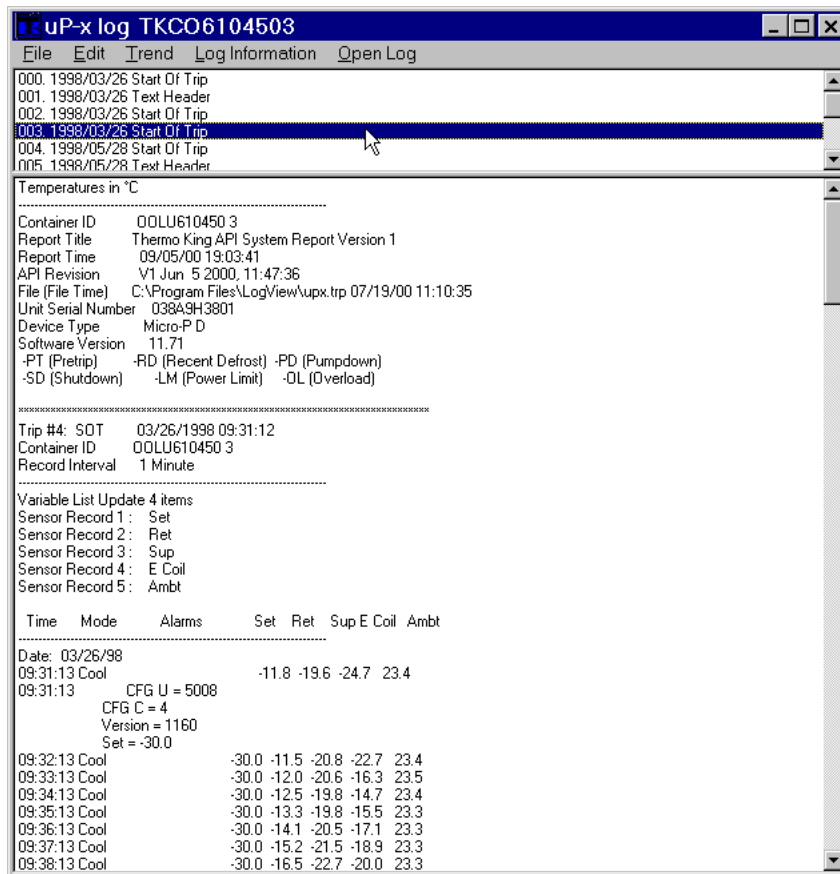


- ❑ To view trip data from one trip marker:
 - a. Select (highlight) a **Text Header**, **Pretrip** or **Start of Trip (SOT)** marker
 - b. Click **Open Log** from the menu bar.

*NOTE: You can also double click on a **trip marker** to open the trip log.*

- c. LogView displays the trip data on your computer screen momentarily.

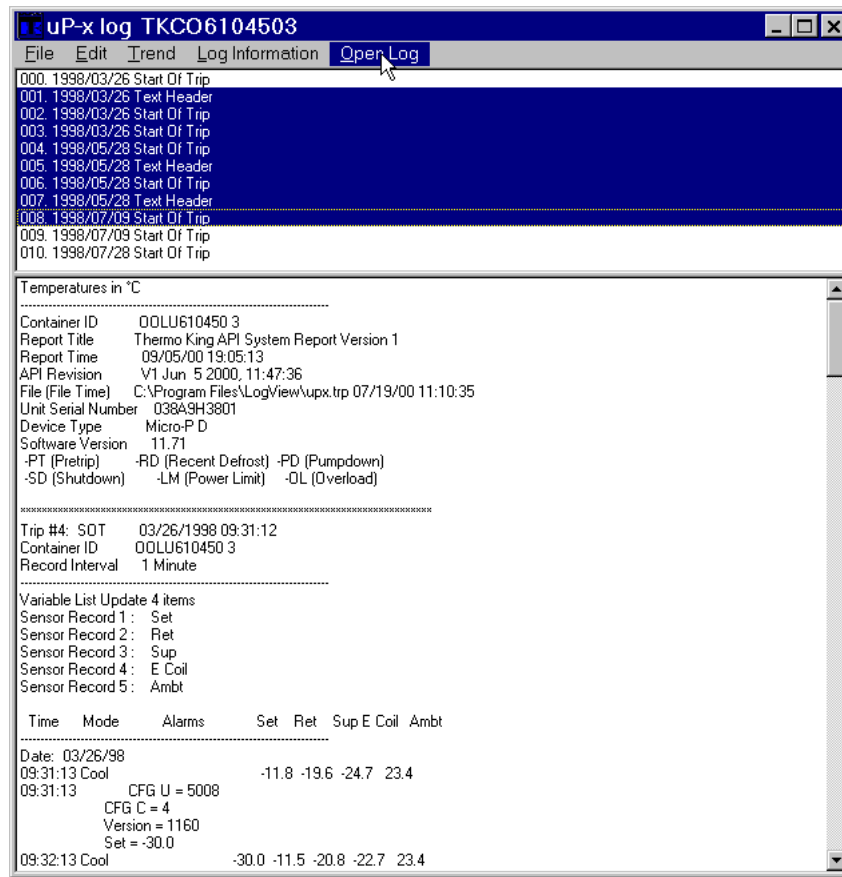
NOTE: To get all the data from a specific trip, you must select (highlight) each Text Header, Pretrip and SOT marker listed during the period (time and date) of the trip.



- ❑ To view trip data from a continuous series of Text Header, Pretrip and Start of Trip (SOT) markers:
 - a. Click on the **first trip marker**.
 - b. Press the **SHIFT** key down, then click on the **last trip marker**.
 - c. Click **Open Log** from the menu bar.

NOTE: To randomly select individual markers to view at the same time, press the CONTROL key down and click on the trip markers you want to view.

NOTE: To get all the data from a specific trip, you must select (highlight) each Text Header, Pretrip and SOT marker listed during the period (time and date) of the trip.



µP-x Log Window Menu Bar

The menu bar in the µP-x Log window contains the following submenus and commands:

- **File > Print:** This command opens the Print Preview window.
 - > **Save As:** This command opens the Save As window.
 - > **Exit:** This command closes the µP-x Log window.
- **Edit > Copy:** This command copies the trip data in the window to the Windows clipboard.
- **Trend:** This command displays a graph of the temperature and humidity data.
- **Log Information:** LogView displays µP-x data in a predefined grid. See the manual "Interpreting Trip Reports for Container Units", TK 50621, for complete log information.
- **Open Log:** This command opens and displays trip data for the trip marker(s) selected.

Printing Table Reports

To print the data that appears in the Temperature Log, Event Log, PTI Log, Comment Log or μ P-x Log window on your computer screen:

1. Decide how much information to include in a printed report.

NOTE: A Temperature Log Report (MP-3000, MPC-2000ID and MPC-2000 controllers) can easily number 100 pages or more (see page count in status bar at the bottom of the Print Preview window).

- a. To print **all** the data in the report, go to step 2.
- b. To print a continuous section of the data in the report:
 - Click on the **first row** of data you want to include.
 - Press the **SHIFT** key down.
 - Click on the **last row** of data.

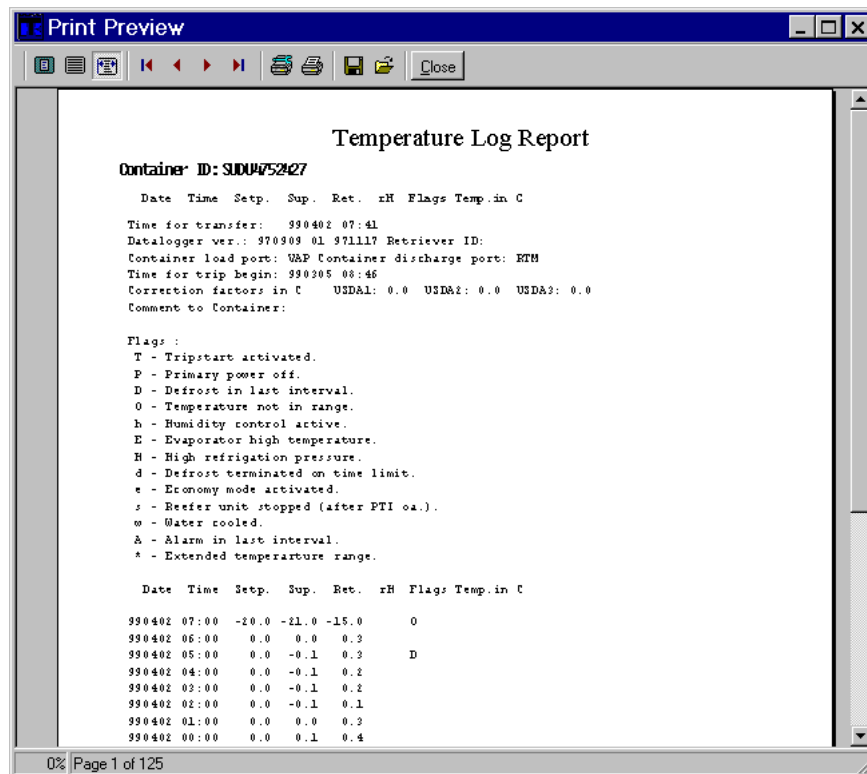
Date	Time	Setp.	Sup.	Ret.	rH	Flags	Temp.in C
Time for transfer: 990402 07:41							
Datalogger ver.: 970909 01 971117 Retriever ID:							
Container load port: VAP Container discharge port: RTM							
Time for trip begin: 990305 08:46							
Correction factors in C: USDA1: 0.0 USDA2: 0.0 USDA3: 0.0							
Comment to Container:							
Flags:							
T - Tripstart activated.							
P - Primary power off.							
D - Defrost in last interval.							
O - Temperature not in range.							
h - Humidity control active.							
E - Evaporator high temperature.							
H - High refrigeration pressure.							
d - Defrost terminated on time limit.							
e - Economy mode activated.							
s - Reefer unit stopped (after PTI oa.).							
w - Water cooled.							
A - Alarm in last interval.							
* - Extended temperature range.							
Date	Time	Setp.	Sup.	Ret.	rH	Flags	Temp.in C
990402	07:00	-20.0	-21.0	-15.0			
990402	06:00	0.0	0.0	0.3			
990402	05:00	0.0	-0.1	0.3		D	
990402	04:00	0.0	-0.1	0.2			
990402	03:00	0.0	-0.1	0.2			
990402	02:00	0.0	-0.1	0.1			
990402	01:00	0.0	0.0	0.3			
990402	00:00	0.0	0.1	0.4			
990401	23:00	0.0	0.0	0.4			
990401	22:00	0.0	0.0	0.9			
990401	21:00	0.0	16.0	15.9		PO	
990401	20:00	0.0	15.5	16.2		PO	
990401	19:00	0.0	15.9	16.5		PO	
990401	18:00	0.0	17.0	16.8		PO	
990401	17:00	0.0	16.9	16.6		PO	
990401	16:00	0.0	16.0	15.9		PO	
990401	15:00	0.0	15.2	14.8		PO	
990401	14:00	0.0	14.1	13.6		PO	
990401	13:00	0.0	13.0	12.5		PO	
990401	12:00	0.0	11.7	11.5		PO	
990401	11:00	0.0	10.2	10.4		PO	
990401	10:00	0.0	7.9	9.2		PO	
990401	09:00	0.0	6.0	7.3		PO	
990401	08:00	0.0	6.0	8.1		PO	
990401	07:00	0.0	6.8	10.3		PO	

NOTE: You can also use the cursor to highlight the data you want to print. Position the cursor on first row of your selection. Click the left mouse button down, hold the button depressed and drag the cursor to highlight the rows to print. Then release the mouse button to complete the selection.

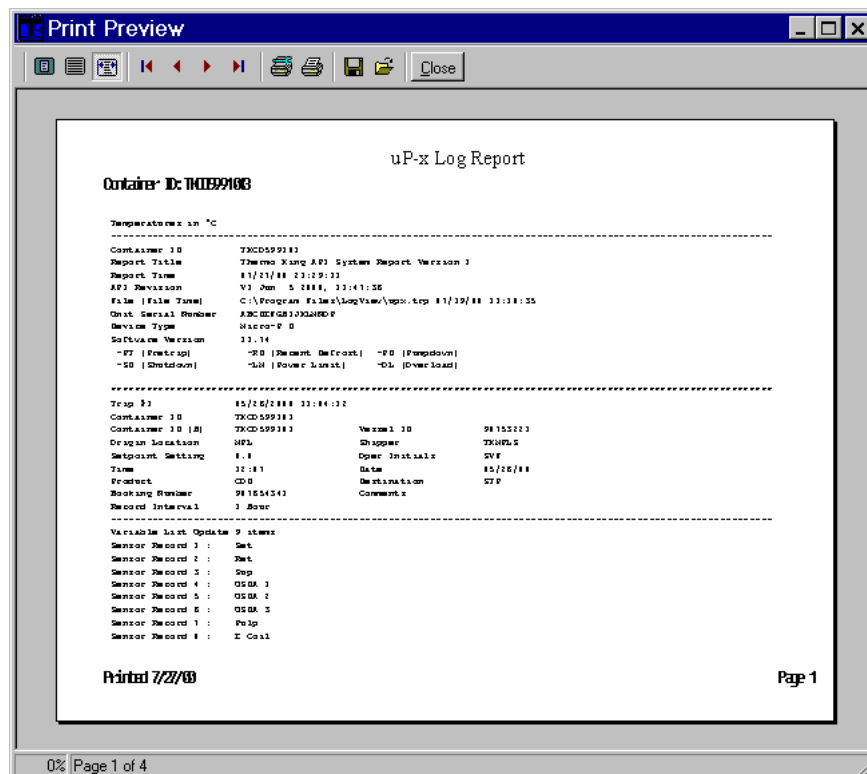
- Go to step 2.
2. Click **File** from the menu bar.
 3. Click **Print** from the Print submenu.
 4. The **Print Preview** window appears. Check the preview image (see examples below). Also click on the **Printer Setup** icon in the Tool Bar to check your printer settings.

*NOTE: Select **Landscape** Orientation to print a μ P-x report. When Portrait is selected, the right hand columns of data are cut off the width of the paper because LogView plots the data in a predefined grid.*

- Example: Print Preview of **Portrait** Orientation for **Temperature Log Report** (MP-3000, MPC-2000ID and MPC-2000 controllers)



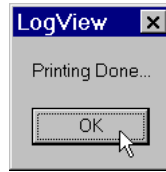
- Example: Print Preview of **Landscape** Orientation for **uP-x Log Report** (uP-D, uP-A+, uP-A and uP Controllers)



5. Click the **Print** icon to print your report.

6. LogView shows a Status window and a Printing Done window when the data has been sent to the printer.

NOTE: Actual image quality and the amount of time required to print your report will depend on your specific printer.



Saving a Report to Print at a Later Time or E-mail to Another Location

To output a print (.QRP) file from the data that appears in the Temperature Log, Event Log, PTI Log, Comment Log or μ P-x Log window on your computer screen:

1. Decide how much information to include in a printed report.

NOTE: A Temperature Log Report (MP-3000, MPC-2000ID and MPC-2000 controllers) can easily number 100 pages or more (see page count in status bar at the bottom of the Print Preview window).

- a. To print **all** the data in the report, go to step 2.
- b. To print a continuous section of the data in the report:
 - Click on the **first row** of data you want to include.
 - Press the **SHIFT** key down.
 - Click on the **last row** of data.

NOTE: You can also use the cursor to highlight the data you want to print. Position the cursor on first row of your selection. Click the left mouse button down, hold the button depressed and drag the cursor to highlight the rows to print. Then release the mouse button to complete the selection.

- Go to step 2.

2. Click **File** from the menu bar.

3. Click **Print** from the Print submenu.

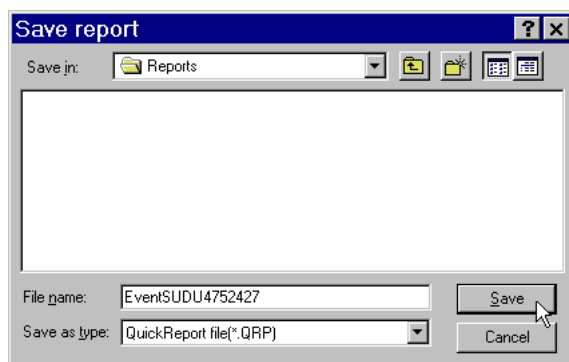
4. The **Print Preview** window appears. Check the preview image. Also click on the **Printer Setup** icon in the Tool Bar to check your printer settings.

*NOTE: Select **Landscape** Orientation to print a μ P-x report. When Portrait is selected, the right hand columns of data are cut off the width of the paper because LogView plots the data in a predefined grid.*

5. Click the **Save Report** (diskette) icon to save the report to a print file.

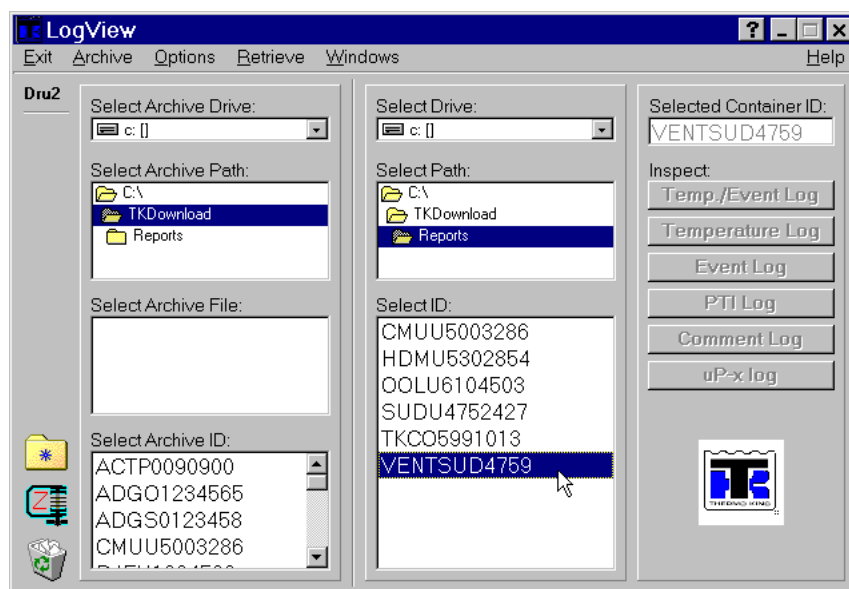
6. A **Save Report** window opens.

- a. Browse to open the **Folder** (directory) you want to use to store the text file.
- b. Enter a **File Name**.
- c. Click **Save**.

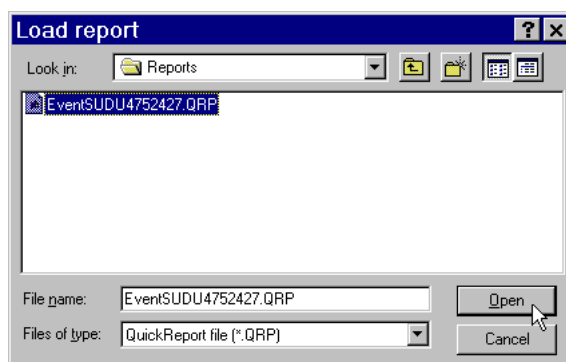


7. LogView immediately saves the data to a text file.

NOTE: The LogView Select ID list box will show .QRP files. However, you can NOT open or view the print file by clicking an Inspect report button.



NOTE: To open a .QRP file, you must open the LogView Print Preview window first, then click on the Load Report (folder) icon in the Print Preview tool bar.



Copying Data to the Clipboard

Data from Table reports can easily be copied to the Clipboard for import into other programs. To copy data from a Temperature Log, Event Log, PTI Log, Comment Log or μ P-x Log window to the clipboard:

1. Decide how much information to copy to the clipboard.

NOTE: A Temperature Log Report (MP-3000, MPC-2000ID and MPC-2000 controllers) can easily number 100 pages or more.

- a. To copy **all** the data in the report, go to step 2.
- b. To copy a continuous section of data from the report:
 - Click on the **first row** of data you want to include.
 - Press the **SHIFT** key down.
 - Click on the **last row** of data.

NOTE: You can also use the cursor to highlight the data you want to copy. Position the cursor on first row of your selection. Click the left mouse button down, hold the button depressed and drag the cursor to highlight the rows to copy. Then release the mouse button to complete the selection.

- Go to step 2.
2. Press the **CONTROL** and **INSERT** keys down at the same time.
 3. LogView immediately copies the data to the current clipboard.

Saving Data to a Text File

Data from Table reports can be easily saved to a text file in ASCII format for import into other programs. To save data from a Temperature Log, Event Log, PTI Log, Comment Log or μ P-x Log window to a text file:

1. Decide how much information to save to a text file.

NOTE: A Temperature Log Report (MP-3000, MPC-2000ID and MPC-2000 controllers) can easily number 100 pages or more.

- a. To save **all** the data in the report, go to step 2.
- b. To save a continuous section of data from the report:
 - Click on the **first row** of data you want to include.
 - Press the **SHIFT** key down.
 - Click on the **last row** of data.

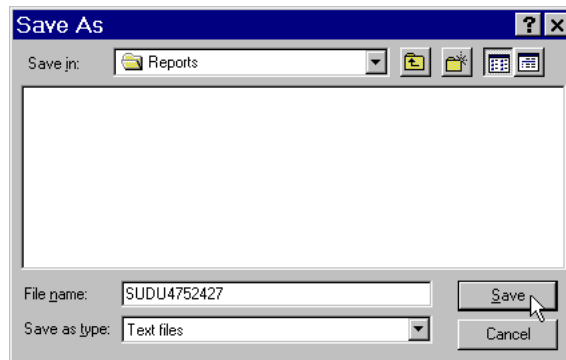
NOTE: You can also use the cursor to highlight the data you want to save. Position the cursor on first row of your selection. Click the left mouse button down, hold the button depressed and drag the cursor to highlight the rows to save. Then release the mouse button to complete the selection.

- Go to step 2.

2. Click **File > Save As** from the menu bar of the window.

3. The **Save As** window appears.

- a. Browse to open the **Folder** (directory) you want to use to store the text file.
- b. Enter a **File Name**.
- c. Click **Save**.



4. LogView immediately saves the data to a text file.

Chapter 5: Viewing and Printing Graphs

LogView also plots and displays sensor data in a graph. This section outlines some basic procedures for viewing LogView graphs. You can quickly re-size the Trend window, zoom in on data views, and identify event occurrences by using the Smart Move trace feature.

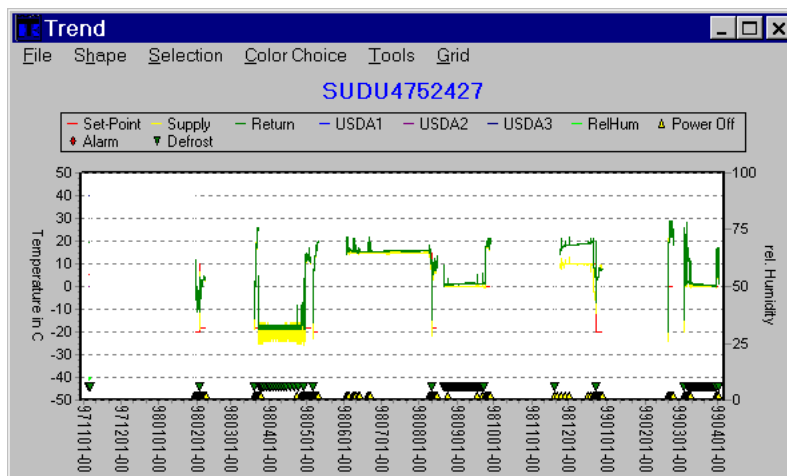
NOTE: The Smart Move trace feature is NOT available when viewing graphs from μP -x (μP -D, μP -A+, μP -A and μP) logs.

Viewing Graph Reports

To view a graph of your sensor data:

1. Create a Table Report of the data you want to view in a graph.
2. Click **Trend** in the menu bar of a **Temperature Log** (or **μP -x log**) window.
3. The **Trend** window appears on your computer screen momentarily.

NOTE: Sensor data must be recorded in the trip file to appear in a report. If a temperature was not recorded for a sensor, the sensor does NOT appear in the graph.



Trend Window Menu Bar

The menu bar in the Trend window contains the following submenus and commands:

- **File > Print:** This command opens the Print Preview window.
 - > **Resolution:** This command sets the resolution to Low, Medium or High (for printing only).
 - > **Exit:** This command closes the Trend window.
- **Shape > Curves:** This command plots curves between data points.
 - > **Steps:** This command plots straight lines between data points.
- **Selection:** This command opens the Temperature Log Selection window.
- **Color Choice > Color:** This command shows sensors in separate colors.
 - > **Black/White:** This command shows all sensors in black.
 - > **Background Color:** This command opens a Color window that allows you to change the background color.



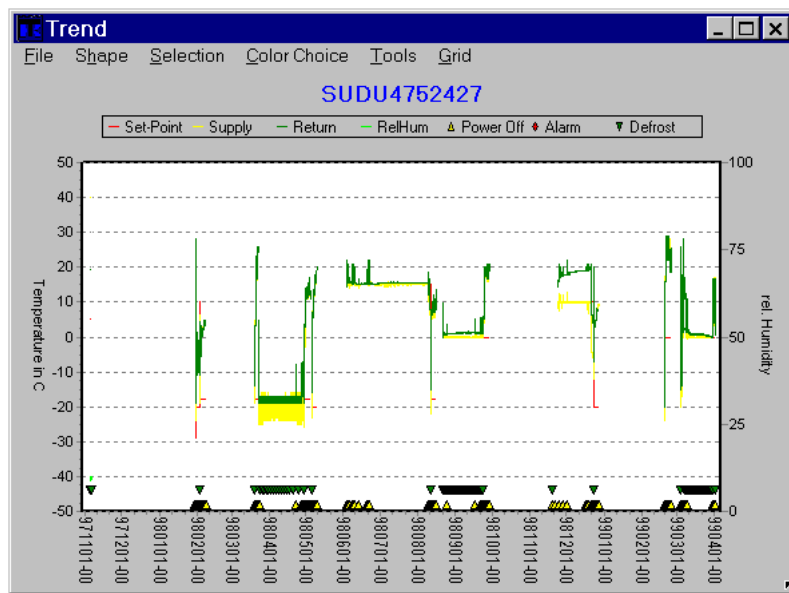
- **Tools > Auto Size:** This command automatically adjusts the temperature scale back to -30 C to +40 C within the existing window.
 - > **Cross Hair:** This command turns the cursor into a cross hair for accurately identifying the humidity, temperature, or time and date of a specific data point.
 - > **Smart Move:** This command starts the trace feature between the Temperature Log, Trend and Event Log windows. Selecting Smart Move automatically activates the Cross Hair feature.

NOTE: The Smart Move trace feature is NOT available when viewing graphs from μP -x (μP -D, μP -A+, μP -A and μP) logs.
- **Grid > Horizontal Axis:** This command places a grid on the chronological (time) scale.
 - > **Vertical Axis:** This command places a grid on the temperature and humidity scales.

Re-sizing the Graph (Trend Window)

You can quickly re-size the graph on your computer screen:

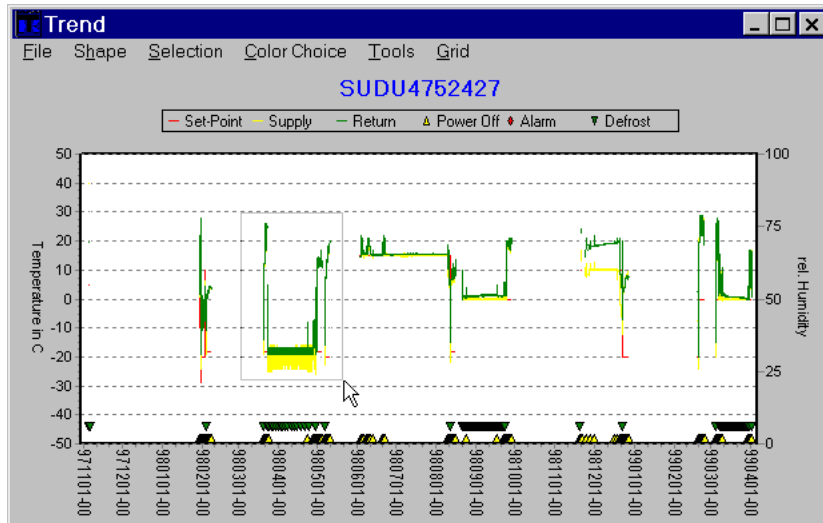
1. Use the **left** mouse button to **click and drag** an edge or corner of the Trend window to the desired location.



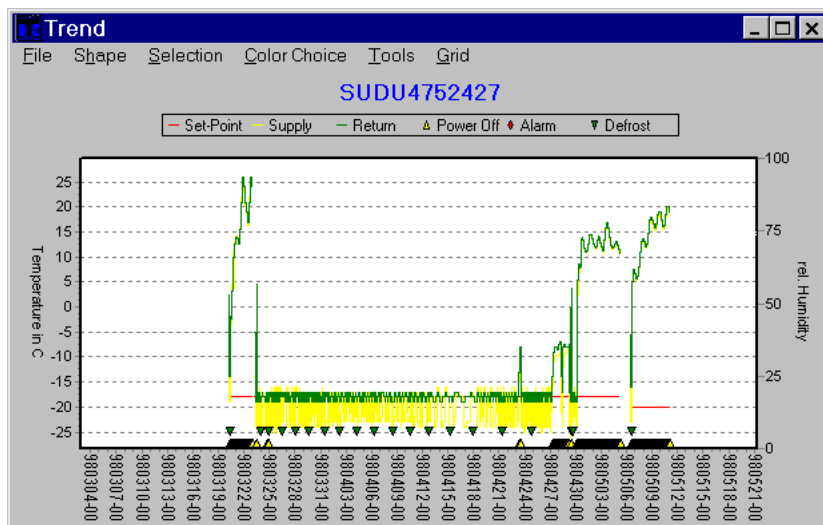
Zoom In

You can quickly zoom in to enlarge an area of the graph on your computer screen. Use the **left** mouse to draw a square around the area you want to enlarge.

1. Click in the **left** corner of the desired area.
2. Drag the cursor **down and right**.



3. When you release the **left** mouse button, the area will enlarge to fill the existing window.

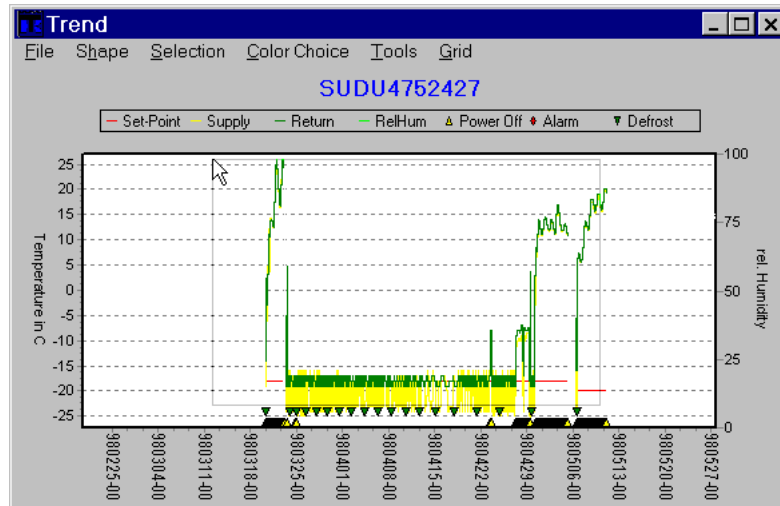


NOTE: You can perform multiple Zoom In operations in succession.

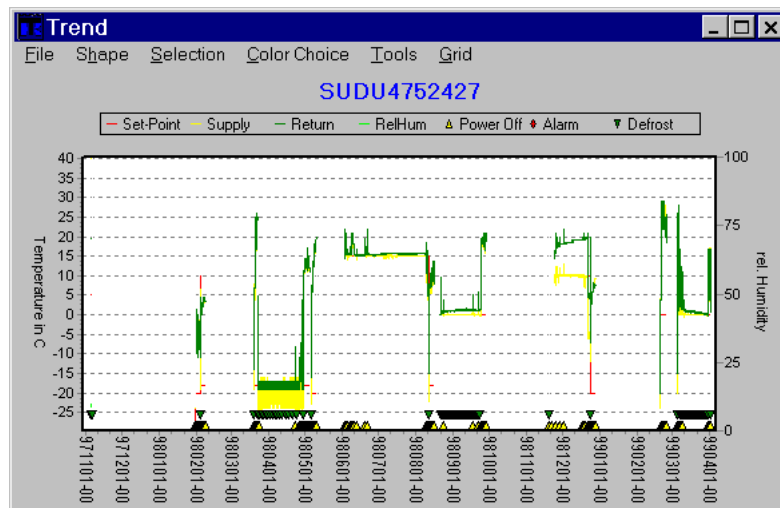
Zoom Out

You can also restore the original graph on your computer screen. Again, use the **left** mouse to draw a square:

1. To zoom out, click in the **right corner** of any area.
2. Drag the cursor **up and left**.



3. When you release the **left** mouse button, the graph will return to an Auto Size version of the original graph display.

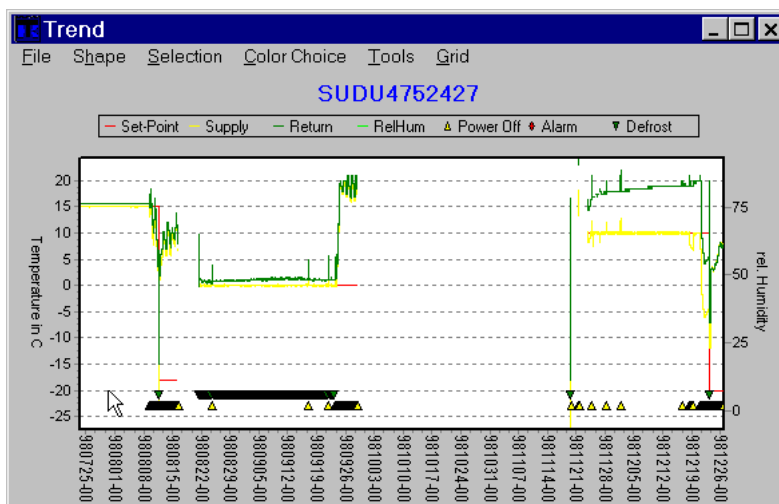


NOTE: Only one Zoom Out operation is required to return to the original graph display.

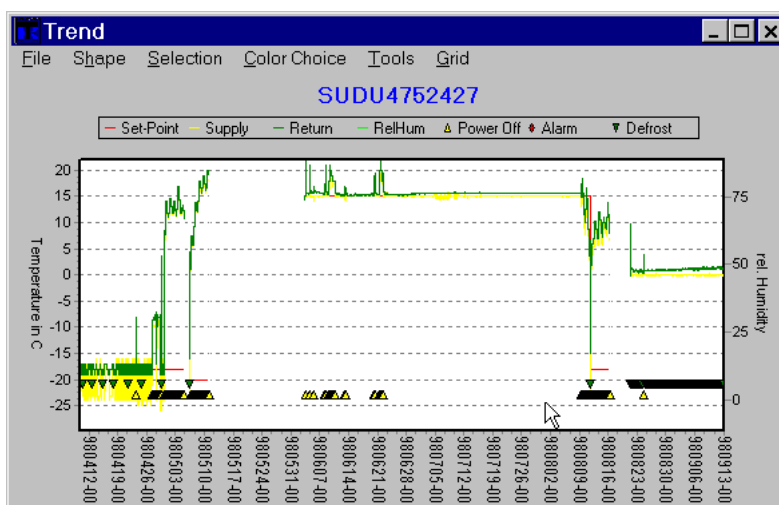
Drag and Drop

You can also place the graph anywhere in the Trend window:

1. Use the **right** mouse button to **click and drag** a portion of the graph to the desired location.



2. When you release the **right** mouse button, the graph will remain in the new location.

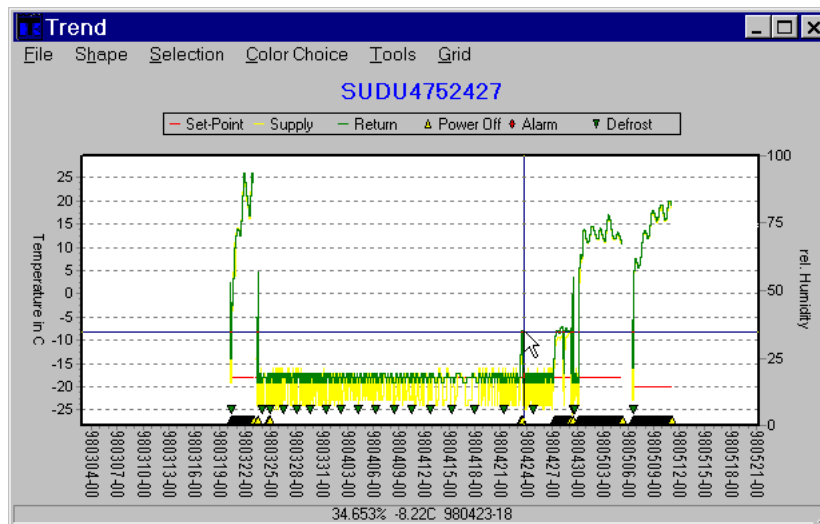


NOTE: The chronological scale, located below the graph, shows you the date and time of the sensor data that appears in the Trend window.

Humidity, Temperature, or Date and Time of a Data Point

To determine the exact humidity, temperature, or date and time of an event or data point:

1. Click **Tools** from the menu bar.
2. Click **Cross Hairs**.
3. Place the cross-hair cursor on the desired **point** in the graph.
4. The **percent humidity**, **temperature**, and **date and hour** corresponding to the location of the cursor is displayed in the status bar at the bottom of the Trend window.



Trace Data through Different Reports

NOTE: The Smart Move trace feature is NOT available when viewing graphs from μP -x (μP -D, μP -A+, μP -A and μP) logs.

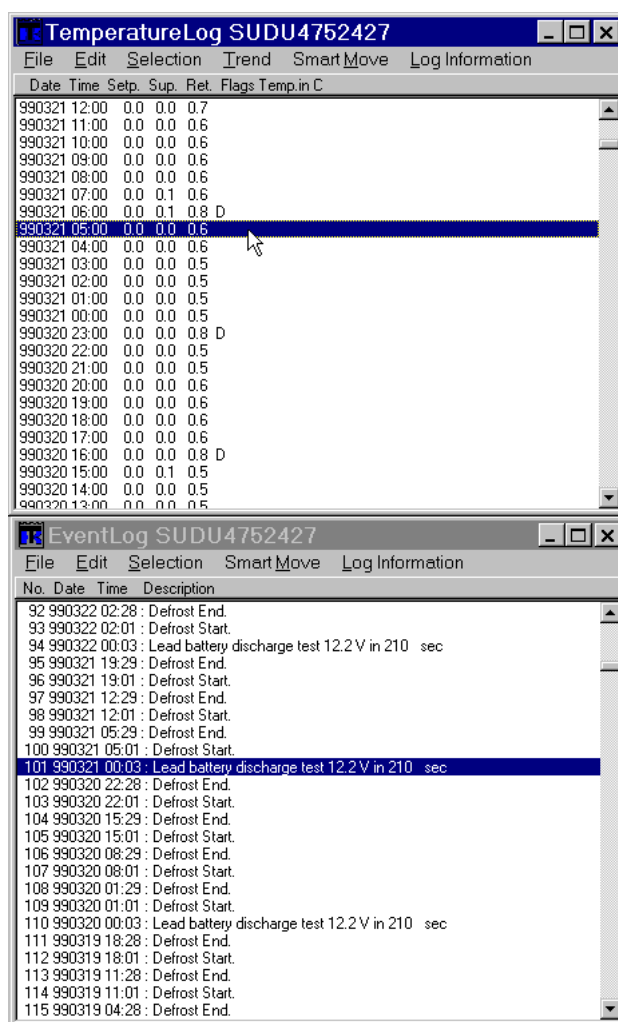
A Smart Move command appears in a menu or submenu of the Temperature Log, Event Log and Trend windows. When Smart Move is active (check mark appears in submenu), a trace feature automatically correlates data between the reports that currently appear on the computer screen.

Trace Data between the Temperature Log and Event Log Windows

1. Click the **Temp/Event** button from the LogView Main Menu window to open both reports.
2. Click **Smart Move** from the menu bar of a report window.
3. Click **Active**.

NOTE: If a check mark appears beside Active, the trace feature is already ON.

4. Click on any **row of data** in the active window (title bar highlighted).
5. LogView immediately **highlights** the **corresponding data** in the inactive window.



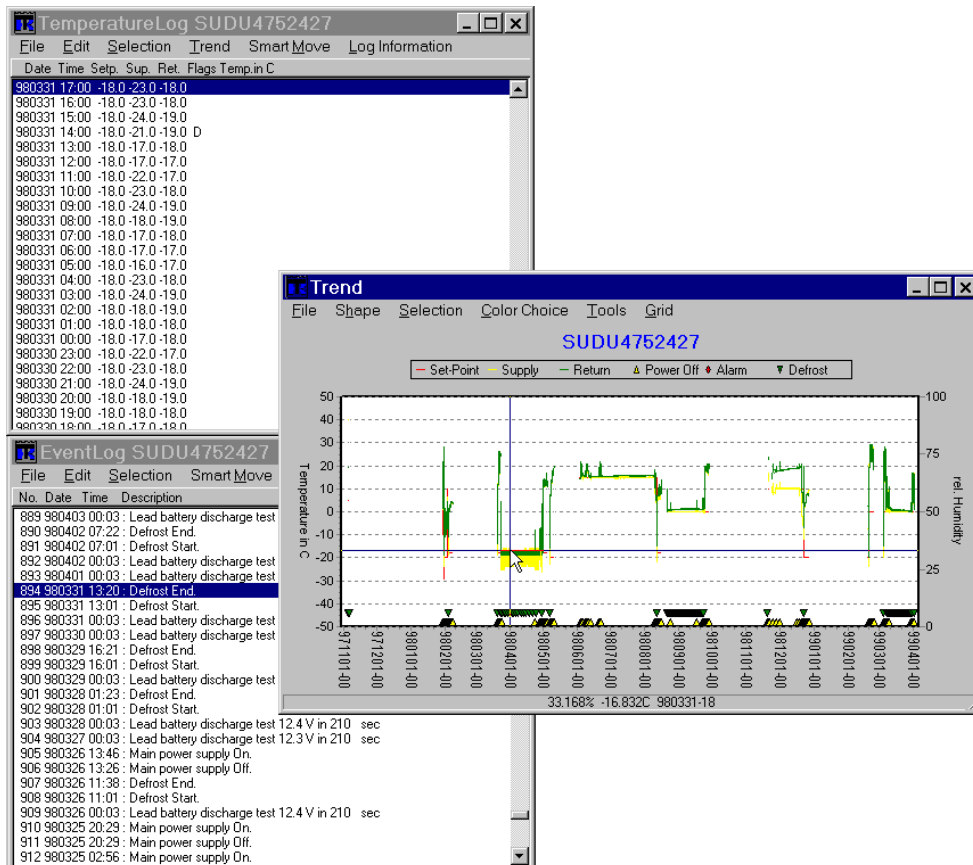
NOTE: Use the Up and Down arrow keys, and the Page Up and Page Down keys to move through data in the reports.

Correlate Data between the Temperature Log, Trend and Event Log Windows

1. Click the **Temp/Event** button from the LogView Main Menu window to open both reports.
2. Click **Trend** from the menu bar of the Temperature Log window.
3. Click **Tools** from the menu bar of the Trend window.
4. Click **Smart Move** from the Tools submenu.

NOTE: If a check mark appears beside Smart Move, the trace feature is already ON.

5. LogView activates the **Cross Hair** feature. Click the cross hair cursor on **any location** in the graph.
6. LogView immediately **highlights the corresponding data** in the Temperature Log and Event Log windows.



Printing Graph Reports

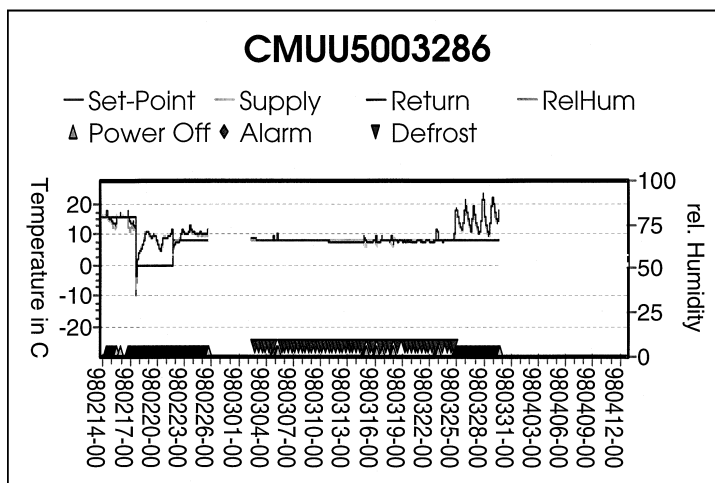
NOTE: Report header and event information does NOT print with a graph. A graph contains the Select (container) ID number, and the temperature, humidity and chronological scales only.

To print the graph that appears in the Trend window on your computer screen:

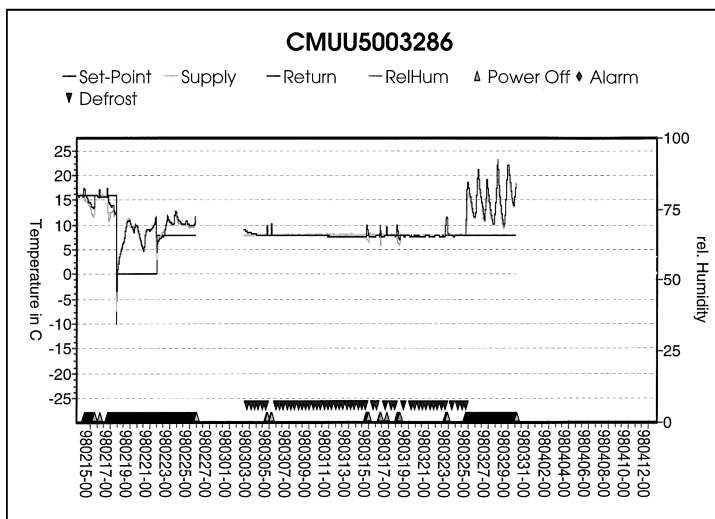
1. Click **File > Resolution** from the menu bar of the Trend window.
2. Click: Low, Medium or High from the Resolution submenu (see examples below).

NOTE: A check mark appears next to the current setting.

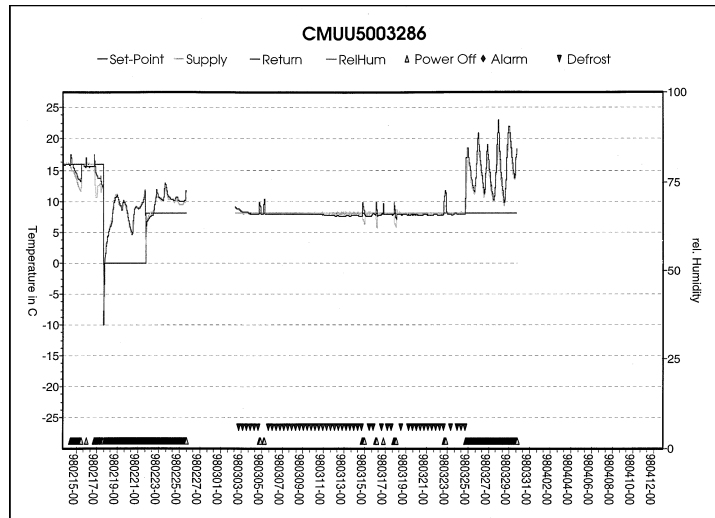
- ☐ Example: Low Resolution Setting



- ☐ Example: Medium Resolution Setting

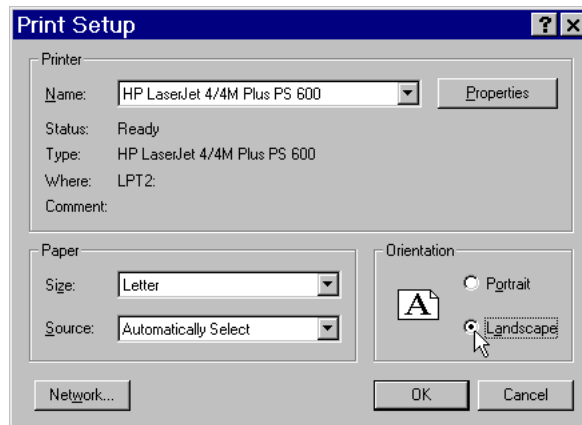


❑ Example: High Resolution Setting



3. Click **File** from the menu bar of the Trend window
4. Click **Print** from the File submenu.
5. The **Print Setup** window appears. Check your printer settings to make sure they are correct.

*NOTE: Select **Landscape** Orientation to print a graph. When Portrait is selected, LogView compresses the chronological scale to fit the width of the paper.*



6. Click **OK**.
7. LogView immediately sends the data to your printer.

NOTE: Actual image quality and the amount of time required to print your report will depend on your specific printer.

Pasting a Graph Screenshot in a Word Document

To capture a Graph report screen to the clipboard to paste into a Word document:

1. Click on the title bar of the **Trend** window you want to capture. This makes it the active window.
2. Press the **<Alt>** and **<Print Screen>** keys at the same time. This places a copy of the window on your Windows Clipboard.
3. Click in the **Word document** where you want to insert the screenshot.
4. Select **Paste** from the **Edit** menu of Word. This will paste the Clipboard image into your document.

Appendix A: LogView Program Files

The installation program places the LogView program files and folders in the default directory “C:\Program Files\TKLogView”. If files have been accidentally deleted, refer to the file list below:

rcom Folder (directory):

 printdrv Folder (directory):

 Ps.dyl
 Psapple.dyl
 Ps.ini
 Psapple.ini
 Readme.txt
 Basic.wdr
 Bj10ex.wdr
 Cit_pn48.wdr
 Hp2.wdr
 Hp2p.wdr
 Hp3.wdr
 Hpdj.wdr
 Hpdj500.wdr
 Hpdj550.wdr
 Ps.wdr
 Psapple.wdr

 rtf Folder (directory):

 Wl\$rtf.dyl
 Ws\$rtf.dyl
 Readme.txt

 scr Folder (directory):

 _cis.scr
 _cix.scr
 _mci.scr
 _Cixncs.scr
 Readme.txt

 Autorcom.bat
 Bak.bat
 Prinst.bat
 Rbackup.bat
 Rtfinst.bat
 Rcom.exe
 Rprint.exe
 Sys\$tycl.pdd
 Rcom.rsc

LogView.BMP
LogView.cnt
_isreg32.dll
Roboex32.dll
Unzdll.dll
Zipdll.dll
LogView.exe
Logview.hlp
LogView.ico
LogView.ini
_deisreg.isr
DelsL1.isu
xtk_int.ocx
License.txt
Register.txt

NOTE: For installation instructions, see “Installing LogView Software”.

Appendix B: Glossary

Alarm (Code)

A serial of letters and numbers assigned to a identify an alarm. An alarm is a critical deviation from normal refrigeration unit operating condition.

C

Celsius

COM Port

Communications port on a computer designated for serial communications. Used for communications between a computer and a controller. LogView supports any valid COM Port (typically COM 1 through 4).

Controller

A device that controls all functions on a refrigeration unit. LogView supports the following Thermo King controllers: MP-3000, MPC-2000ID, MPC-2000ID, μ P-D, μ P-A⁺, μ P-A and μ P.

Current Trip

The most recent trip.

Data File

A file that contains unit sensor and performance data from one trip or several trips, depending upon the number of Start of Trip (SOT) and Text Header markers recorded in the file.

Datalogger

A device that records sensor data and unit performance data. This includes the DAS datalogger and MP-3000, MPC-2000ID, MPC-2000ID, μ P-D, μ P-A⁺, μ P-A and μ P controllers.

Default File Name

μ P-D, μ P-A⁺, μ P-A and μ P: The default File Name in the Save As window is automatically assigned by the LogView program. The File Name is based on the last 6 characters of the container ID (ten character) number, a sequential number (0-99), and a three character file extension (HIS for a History download, TRP for a Current Trip or Trip download). If a container ID number is not entered in the controller, "cntnr" is substituted for the last six characters of the container ID. For example, the File Name for the first "history" download from a controller with container ID "TKCO599101" would appear as "59910101.his".

MP-3000, MPC-2000ID and MPC-2000: The default File Name is automatically assigned by the LogView program. The File Name is based on a 1 letter prefix (T for a Temperature download, E for an Event download, P for a PTI download, C for a Comment download) and the first 10 characters of the container ID number. For example, the File Name for a Temperature download from a controller with container ID "ADGO1234565" would appear as "TADGO123.456".

Directory (Folder)

A way to organise files into hierarchical structure. The top directory is called the root directory. All other directories are its subdirectories. For more information, see Windows Help.

Download

To copy information from the datalogger memory of a controller to a data file. LogView can read data files downloaded with DRU2, DRU3 and SmartSponge software.

DRU2, DRU3

Proprietary software programs used to download trip files from MP-3000, MPC-2000ID and MPC-2000 controllers.

Event (Code)

Codes are placed in the trip file by data loggers to identify special events (Power Up, Defrost, etc) and alarms.

F

Fahrenheit

Graph Report

A report that presents sensor data using a series of lines plotted on a set of coordinates.

Graphics Resolution

The number of dots per inch sent to your printer to create a report. Choose high, medium or low resolution.

ISO Compliant Container ID

International Standards Organisation requirement that a mathematical formula be applied to the first 10 characters of a container ID number to calculate an 11th Check digit. The 11th Check digit assures accurate electronic entry of ID numbers.

Logging Interval

The period of time the datalogger waits to record unit performance data again.

LogView

A report generation program for Thermo King controllers. LogView is required to create, and print or view reports from files downloaded by the LogView program.

NOTE: The LogView program is required to create reports from information downloaded from MP-3000, MPC-2000ID and MPC-2000 controllers.

LogView File

A trip file must be converted to a LogView file before the LogView program can create a report. A trip file is converted to a LogView file by coping it from the Select Archive ID list box to the Select Drive list box in the LogView Main Menu window.

Marker, Report

A batch of data (i.e. Text Header, Pretrip or Start of Trip) attached to a trip file that identifies the source and collection parameters of the trip data.

μP-x Controllers

A family of Thermo King proprietary microprocessor controllers that record unit performance data as well as control unit operation. Models include in μP-D, μP-A⁺, μP-A and μP.

MP-3000, MPC-2000ID and MPC-2000 Controllers

Another family of Thermo King proprietary microprocessor controllers that record unit performance data as well as control unit operation.

Palmtop PC

A hand-held personal computer (HPC). A CE or MIPS version of SmartSponge download software runs on a palmtop PC or HPC running Windows CE.

PC-Pac

A download and report generation program for Thermo King controllers. PC-Pac can be used to create and print or view reports from files downloaded by the SmartSponge program from μP-D, μP-A⁺, μP-A and μP controllers. PC-Pac runs under DOS.

Pretrip Header

A Pretrip/Start of Trip marker (code) automatically placed in the datalogger memory by some controllers after initiation or successful completion of a Pretrip. Same as an SOT marker.

SmartSponge

A Thermo King proprietary software program used to download trip files from microprocessor controllers.

SOT or Start of Trip

A marker (code) placed in the datalogger memory of a controller to indicate the start of a trip.

Status Screen

A status screen appears to inform you about a task if the task takes more than a few seconds to perform.

Table Report

A report that presents sensor data and event codes using columns of letters and numbers.

Text Header

A marker (code) that contains information about the cargo and trip.

Timeout

The automatic cancellation of a process if the expected input is not received after a specified time.

Trip File

A data file that contains unit sensor and performance data from one trip or several trips, depending upon the number of Start of Trip (SOT) and Header markers recorded in the file.