

- ▶ Drive Statistics: Download only
  - Last VOLSER on this drive
  - Write and Read megabytes (MB) per drive
  - Write and Read errors corrected per drive
  - Write and Read errors uncorrected per drive
- ▶ Mount History for cartridges: Download only
  - Last Tape Alert
  - Number of Mounts of a specific cartridge
  - Number of Write and Read retries of a specific cartridge in the lifecycle
  - Number of Write and Read permanent errors of a specific cartridge in the lifecycle
- ▶ Fibre Port statistics: Download only
 

The Fibre Port statistics include fiber errors, aborts, resets, and recoveries between the TS7700 and the physical tape drives in the TS3500 tape library.

**Consideration:** This statistic does not provide information from the host to the TS7700 or from the host to the controller.

- ▶ Library statistics, on an hourly basis: Download only
  - Total Mounts
  - Total Ejects
  - Total Inserts
  - Average and Maximum amount of time that a drive was mounted on a drive (residency)
  - Average and Maximum amount of time that was needed to run a single mount
  - Average and Maximum amount of time that was needed to run an eject

These statistics can be downloaded to a workstation for more analysis. These statistics are not included in the BVIR records processed by the TS7700.

#### 11.4.4 Using the TS7700 Management Interface to monitor IBM storage

The TS7700 MI belongs to the family of tools that are used for reporting and monitoring IBM storage products. These tools do not provide reports, but they can be used for online queries about the status of the TS7700, its components, and the distributed libraries. They also provide information about the copies that have not completed yet and the amount of data to be copied.

The TS7700 MI is based on a web server that is installed in each TS7700. You can access this interface with any standard web browser.

The TS7700 MI is a Storage Management Initiative - Specification (SMI-S) - compliant interface that provides you with a single access point to remotely manage resources through a standard web browser. The MI is required for implementation and operational purposes. In a TS7700 configuration, two possible web interfaces are available:

- ▶ The TS4500 Management GUI or the TS3500 Tape Library Specialist
- ▶ The TS7700 MI

A link is available to the physical tape library management interface from the TS7700 MI, as shown at the lower left corner of Figure 11-9 on page 645. This link might not be available if not configured during TS7740/TS7700T installation, or for a TS7700D.

The Performance and Statistics windows of the TS7700 MI are described.