

## Chapter II-9 — Importing and Exporting Data

File Type	Description
Excel	Supports the .xls and .xlsx file formats. See <b>Loading Excel Files</b> on page II-159.
HDF4	Requires activating an Igor extension. For help, execute this in Igor: <code>DisplayHelpTopic "HDF Loader XOP"</code>
HDF5	For help, execute this in Igor: <code>DisplayHelpTopic "HDF5 in Igor Pro"</code>
Matlab	See <b>Loading Matlab MAT Files</b> on page II-163.
JCAMP-DX	The JCAMP-DX format is used primarily in infrared spectroscopy. See <b>Loading JCAMP Files</b> on page II-168.
Sound	Supports a variety of sound file formats. See <b>Loading Sound Files</b> on page II-170.
TDMS	Loads data from National Instruments TDMS files. Requires activating an extension. Supported on Windows only. See the “TDM Help.ihf” help file for details.
Nicolet WFT	Loads data written by old Nicolet oscilloscopes. Requires activating an extension. See the “NIIloadWave Help.ihf” help file for details.
SQL Databases	Loads data from SQL databases. Requires activating an extension and expertise in database programming. See <b>Accessing SQL Databases</b> on page II-181.

### Load Waves Submenu

You access all of these routines via the Load Waves submenu of the Data menu.

The Load Waves item in this submenu leads to the Load Waves dialog. This dialog provides access to the built-in routines for loading Igor binary wave files, Igor text files, delimited text files, general text files, and fixed field text files, and provides access to all available options.

The Load Igor Binary, Load Igor Text, Load General Text, and Load Delimited Text items in the Load Waves submenu are shortcuts that access the respective file loading routines with default options. We recommend that you start with the Load Waves item so that you can see what options are available.

The precision of numeric waves created by Data→Load General Text and Data→Load Delimited Text is controlled by the Default Data Precision setting in the Data Loading section of the Miscellaneous Settings dialog.

There are no shortcut items for loading fixed field text or image data because these formats require that you specify certain parameters.

The Load Image item leads to the Load Image dialog which provides the means to load various kinds of image files.

### Line Terminators

The character or sequence of characters that marks the end of a line of text is known as the “line terminator” or “terminator” for short. Different computer systems use different terminator.