

HDF5 Browser Dump Technical Details

The dump notebook displays a dump of the selected group, dataset or attribute in "Data Description Language" (DDL) format. For most purposes you will not need the dump window. It is useful for experts who are trying to debug a problem or for people who are trying to understand the nuts and bolts of HDF5.

Sometimes strings in HDF5 files contain a large number of trailing nulls. These are not displayed in the dump window.

Sometimes strings in HDF5 files contain the literal strings "\r", "\n" and "\t" to represent carriage return, linefeed and tab. To improve readability, in the dump window these literal strings are displayed as actual carriage returns, linefeeds and tabs.

HDF5 Operations and Functions

This section lists Igor's HDF5-related operations and functions:

HDF5CreateFile	Creates a new HDF5 file or overwrites an existing file.
HDF5OpenFile	Opens an HDF5 file, returning a file ID that is passed to other operations and functions.
HDF5CloseFile	Closes an HDF5 file or all open HDF5 files.
HDF5FlushFile	Flushes an HDF5 file or all open HDF5 files.
HDF5CreateGroup	Creates a group in an HDF5 file, returning a group ID that can be passed to other operations and functions.
HDF5OpenGroup	Opens an existing HDF5 group, returning a group ID that can be passed to other operations and functions.
HDF5ListGroup	Lists all objects in a group.
HDF5CloseGroup	Closes an HDF5 group.
HDF5LinkInfo	Returns information about an HDF5 link.
HDF5ListAttributes	Lists all attributes associated with a group, dataset or datatype.
HDF5AttributeInfo	Returns information about an HDF5 attribute.
HDF5DatasetInfo	Returns information about an HDF5 dataset.
HDF5LoadData	Loads data from an HDF5 dataset or attribute into Igor.
HDF5LoadImage	Loads an image written according to the HDF5 Image and Palette Specification.
HDF5LoadGroup	Loads an HDF5 group and its datasets into an Igor Pro data folder.
HDF5SaveData	Saves Igor waves in an HDF5 file.
HDF5SaveImage	Saves an image in the HDF5 Image and Palette Specification format.
HDF5SaveGroup	Saves an Igor data folder in an HDF5 group.
HDF5TypeInfo	Returns information about an HDF5 datatype.
HDF5CreateLink	Creates a new hard, soft or external link.
HDF5UnlinkObject	Unlinks an object (a group, dataset, datatype or link) from an HDF5 file. This deletes the object from the file's hierarchy but does not free up the space in the file used by the object.
HDF5DimensionScale	Supports the creation and querying of HDF5 dimension scales.