

## 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:

<b>HDF5CreateFile</b>	Creates a new HDF5 file or overwrites an existing file.
<b>HDF5OpenFile</b>	Opens an HDF5 file, returning a file ID that is passed to other operations and functions.
<b>HDF5CloseFile</b>	Closes an HDF5 file or all open HDF5 files.
<b>HDF5FlushFile</b>	Flushes an HDF5 file or all open HDF5 files.
<b>HDF5CreateGroup</b>	Creates a group in an HDF5 file, returning a group ID that can be passed to other operations and functions.
<b>HDF5OpenGroup</b>	Opens an existing HDF5 group, returning a group ID that can be passed to other operations and functions.
<b>HDF5ListGroup</b>	Lists all objects in a group.
<b>HDF5CloseGroup</b>	Closes an HDF5 group.
<b>HDF5LinkInfo</b>	Returns information about an HDF5 link.
<b>HDF5ListAttributes</b>	Lists all attributes associated with a group, dataset or datatype.
<b>HDF5AttributeInfo</b>	Returns information about an HDF5 attribute.
<b>HDF5DatasetInfo</b>	Returns information about an HDF5 dataset.
<b>HDF5LoadData</b>	Loads data from an HDF5 dataset or attribute into Igor.
<b>HDF5LoadImage</b>	Loads an image written according to the HDF5 Image and Palette Specification.
<b>HDF5LoadGroup</b>	Loads an HDF5 group and its datasets into an Igor Pro data folder.
<b>HDF5SaveData</b>	Saves Igor waves in an HDF5 file.
<b>HDF5SaveImage</b>	Saves an image in the HDF5 Image and Palette Specification format.
<b>HDF5SaveGroup</b>	Saves an Igor data folder in an HDF5 group.
<b>HDF5TypeInfo</b>	Returns information about an HDF5 datatype.
<b>HDF5CreateLink</b>	Creates a new hard, soft or external link.
<b>HDF5UnlinkObject</b>	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.
<b>HDF5DimensionScale</b>	Supports the creation and querying of HDF5 dimension scales.