Description of IDL procedure for data handling:

read_edf

This function reads an Eurochamp data file (edf) and returns an IDL data structure.

Syntax: result = read_edf(edf_file)

Input: edf_file: Name of the edf file. If omitted an open file dialog box appears.

Keyword Parameters:

- ERROR = err: If set to a named variable the error status (0: no error) of the routine is returned.

Output: This function returns the data of an edf file as an IDL data structure.

write_edf

This procedure writes an IDL structure that is conform with the edf data structure into an edf file

Syntax: write_edf, filename, struct

Input:

- Struct: data structure
- Filename: output file name

Optional Input:

- Tagnames: string array of tagnames to be written, if not present all tags will written

Keyword Parameters:

- ERROR: returns 0 if succesfull
- /STDEV: if set the stdev of all parameters (if present) will be written
- /INTERVAL_T:if set the timeinterval of the time axis will be written
- /QUIET: if set no info messages will be printed
- /VERBOSE: print all messages
- /REPLACE_FILLV: replac all fill values with the given fill value