

DUMP_DBD v13 RELEASE NOTES

dump_dbd is a Windows console application which can read dataTaker DT8x binary data (.dbd) files.

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Usage

dump_dbd is a Win32 console application and should be run in a Windows command prompt window.

dump_dbd [options] <infile(s)>

Options: -v verbose
-h show headers only
-d show data only
-a show alarms only
-n show column names (headings)
-i ignore format spec in header

Example:

```
dump_dbd -d -n data_a.dbd
```

This will output data in CSV format, with column headings.

Change History

Version 13 08-Sep-2010

- FIX: if a schedule contained a zero length data section then data for subsequent schedules was not being read

Version 12 17-Mar-2010

- ADD: now supports merged DBD format (DBD files containing multiple jobs/schedules)

Version 11 23-Dec-2009

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- ADD: now supports extended (24 char) channel names
 - ADD: supports new style or old style display format string
 - CHANGE: "type" part of datapoint prefix no longer needs to match that in channel map ("length" part still has to match). This allows a channel to contain both integer and floating point values.
 - ADD: support for compiling under 32 and 64 bit Linux environments

Version 10 19-Feb-2008

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- ADD: multiple input filename arguments may now be specified, as can wildcard names, eg. "*.dbd". Matching files are processed sequentially and output is concatenated. For "data only" options (-d, -a), a blank line is output between each file's data.
 - ADD: prefix type 8 is now decoded as a "compact" data record (where datapoints do NOT contain a timestamp offset).
 - CHANGE: timestamp and absolute time output format is now "y/m/d h:m:s.tttt" (was "y/m/d,h:m:s.tttt")
 - CHANGE: relative time output format is now "h:m:s.tttt", where h can be >24 (was "d,h:m:s.tttt")
 - CHANGE: improved error and consistency checking to better handle corrupted DBD files

Version 9 16-Nov-2007

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- FIX: files with timezone set to "none" in header are now decoded properly

Version 8 20-Sep-2007

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- FIX: possible crash when logged data includes string variables

Version 7 03-Aug-2007

- ADD: new option: -n

Generates column headers, ie. first row of data/alarm section consists of channel name/unit strings, eg: "1V (mV)", "Boiler temp (degC)"

- CHANGE: in verbose mode (-v), timestamp offsets are now decoded and displayed in seconds, eg:

0: 0861,2007/07/31,03:36:48.2655, 0811,T+0.0011,20.0

- FIX: wasn't handling non NUL-terminated data/alarm strings properly. For strings, we now ignore the format spec in the metadata ("%s") and always use "%. *s", where * is the string length.

- FIX: for time values which occupy two columns, special values eg "NotYetSet" are now duplicated across both columns

- FIX: add support for date-only and time-only formats for absolute time values

- CHANGE: added comma between days and time parts of a relative time value so that Excel can interpret it properly

Version 6 13-Jun-2007

- FIX: time interval values were not being displayed properly

Version 5 07-Dec-2006

Initial public release

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