DigiTool Instruments AB	Log File Upload Tool
DBI3_V01_LogfileFormat_2018_03_18	2018-03-18

Logfile Format

Abstract

Document describes DBI3 log file format. Log files are text files with three different record types.

- · One start record

- · One or more data records

- · One end record

Information is encoded as *name/value* pairs separated with whitespace, e.g. space character. *name/value* is separated with one equality character. See below for definition of each record type. Logfiles are uploaded from DBI3 with DBI3-V01 Logfile Upload Tool. Logfiles are stored as text files. Logfile names is composed as: **'yyyy_mm_dd_hh_mm_ss.log'** indicating log file start date and time.

Log file sample rate i one data record every **two** seconds.

Start Record

Example: SN=SN11005 FWVER=1.2 DATE=2018-02-13 TIME=20:34:00

Name	Description	Unit / Encoding	Note
SN	DBI3 Serial Number	SNnnnnn	
FWVER	Firmware Version	major.minor	
DATE	Log File Start Date	yyyy-mm-dd	
TIME	Log File Start Time	hh:mm:ss	

Data Record(s)

Example: ALT=23.7 BAR=1013.0 ROC=0.0 TOPTS=1 TOPT=24.0 AMBT=25.0 GPSS=0 SOG=0.8 COG=270.0 LONG=1802.7642E LAT=5922.6567N BATM=4.5 BRDT=26.6

Name	Description	Unit / Encoding	Note
ALT	Altitude	meters	
BAR	Barometric Setting	hecto Pascal	
ROC	Rate Of Climb	meters per second	
TOPTS	Top Temp Status	0 = No signal 1 = link Ok	
TOPT	Top Temperature	centigrades	
AMBT	Ambient Temperature	centigrades	
GPSS	GPS Status	0 = GPS Valid 1 = GPS Not Valid	

Name	Description	Unit / Encoding	Note
SOG	Speed Over Ground	meters per second	
COG	Cource Over Ground	Degrees (0-360)	
LONG	Longitude	ddmm.mmmmi	i is East or West indicator
LAT	Latitude	ddmm.mmmmi	i is North or South indicator
BATM	Battery Voltage	volt	
BRDT	Board Temperature	centigrades	

End Record

Example: DATE=2018-02-14 TIME=11:01:00

Name	Description	Unit / Encoding	Note
DATE	Log File Stop Date	yyyy-mm-dd	
TIME	Log File Stop Time	hh:mm:ss	

Notes

GPS datum is not included in logfiles from FW version 1.0 and 1.2. GPS datum will be included from FW version 1.4. For FW version 1.0, GPS datum is fixed to 84. For FW version 1.2 datum is selectable from DBI3 setup menu and default is 0.