

**NAME**

proa2run – convert ProAnalyst export text file to runfile format

**SYNOPSIS**

**proa2run** [-u units] txtfile [runfile]

**DESCRIPTION**

*Proa2run* converts an ASCII text file of comma-separated values, which has been exported from the *ProAnalyst* motion capture software, into a runfile. The *txtfile* specifies the name of the input file to be converted, and the optional *runfile* argument specifies the output run file name. If the *runfile* is not specified, *proa2run* uses the same basename as the specified *txtfile*, with the **.txt** or **.csv** suffix removed.

The specified txtfile will be analysed to find out the sampling rate (i.e. frame rate) of the samples, as well as the contents of the columns of data. Angle data will be expanded to two columns, to get both inside and outside angles ( $360 - x$ ), and both will be converted. Column headings will be parsed and extended with alternate unit specifiers so the correct units appear in the output in the analysis program.

The txtfile must have at least 3 columns, with the first column containing the Index field (ignored), and the second one containing the Time field, used to calculate the sampling rate. The remaining columns can be X, Y and Angle fields in any order, and will be converted to waveforms in the runfile. X and Y coordinates are assumed to be calibrated in **mm**, unless other units are specified via the **-u** option. Angles are assumed to be in degrees.

**FILES**

\*.frm frame file containing run header  
\*.w?? waveform files

**SEE ALSO**

asc2run(1), analysis(1), frmfile(5)