

kilb2-SampleCode

GitHub repository for reading Kitronyx snapshot files and log files

Code Purpose

Collection of sample code and source code in various programming languages for aggregating data from Snapshot and Log folders' converted CSV files using Kitornyx products

FolderTree

```
CalculateDriftRate
|
| README.md
| README.pdf
|
|--res
|   MatLABSampleResult.png
|
|--SampleCode
|   | CalcDriftRate.m
|   | main.m
|   | ReadConvertLogFile1DimensionData.m
|   |
|   |--Drift_Sample_ConvertLogFilePage 01
|   |   Drift_AdcData-1d.csv
|   |   Drift_AdcData-2d.csv
|   |
|--src
|   CalcDriftRate.m
|   ReadConvertLogFile1DimensionData.m
```

MATLAB

Version: R2023b Update 7 (23.2.0.2515942) 64bit January 30, 2024

Code Description

```
CalcDriftRate.m
- MATLAB file containing a function to calculate drift rate for all log
data
- Returns [drift_rate, driftInfo] when given a drift value and drift
information struct.
- drift infomation struct format example:
```

- driftInfo.timeStart
- driftInfo.timeEnd
- driftInfo.adcBegin
- driftInfo.adcEnd

Drift start time: 1, Drift end time: 7488.03, Drift start ADC: 76, Drift end ADC: 80
Drift rate of all log:1.3585 %log10time
>>

Name ^	Value
driftInfo	1x1 struct
driftRate	1.3585
measuredCol	66

driftInfo

PLOTS

VARIABLE

VIEW

New from Selection

Open

Print

Rows

Columns

Insert Field

Delete Field

Transpose

Sort

VARIABLE

SELECTION

EDIT

1x1 struct with 4 fields

Field ^	Value
timeStart	1
timeEnd	7.4880e+03
adcBegin	76
adcEnd	80