

AlaVar generated report

H:\MyDocs\Callisto\Callisto\Qualitests\leC02\allantime\TotalLightcurve.DAT

File 'H:\MyDocs\Callisto\le-Callisto\Qualitests\leC02\allantime\TotalLightcurve.DAT' created on 26.10.2006 14:14:36

Column # 1 was processed

Data length N = 8285 points.

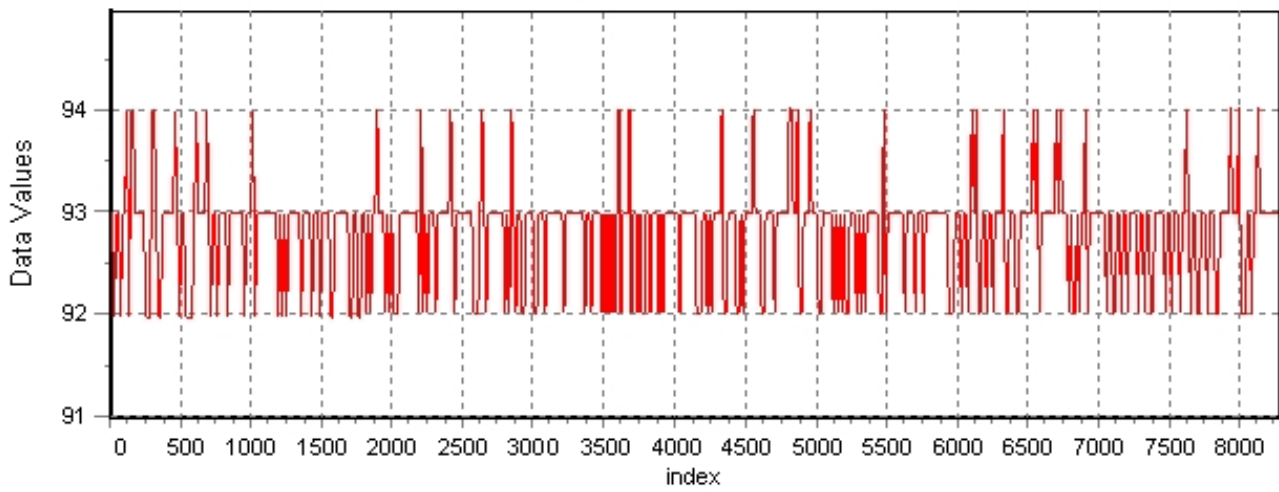
The mean Value of the processed data = 92.7459

The Stanadrd Deviation of the processed data = 2.10244

The number of removed outliers is 4

AlaVar 5.2

Data Values

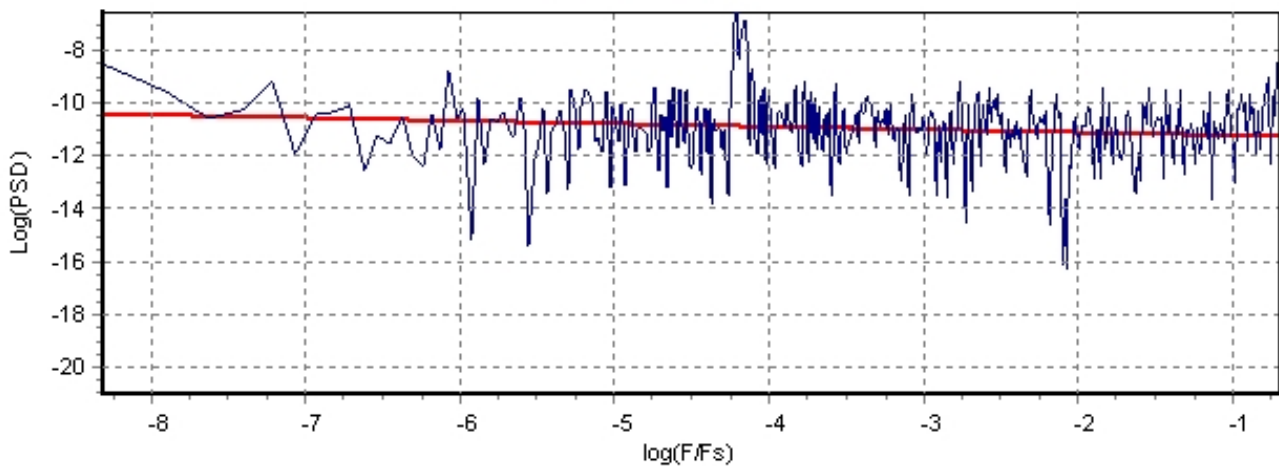


Produced by AlaVar 5.2

Figure 1 : Processed Data

AlaVar 5.2

PSD of Data



Produced by AlaVar 5.2

Figure 2 : Data PSD

The computation of the 3 ALLAN STD DEVS lasted 0.187000 seconds
 The error bars were computed for a : White FM
 The computation of the Error bars lasted 0 seconds

ADEV(tau) was fitted to a line :
 The Solpe of the line is =-0.482467
 The fit result is ADEV(tau=1) = Stability =0.268418

Tau = average Time
 ADEV = Overlapping ALLAN STD DEV.
 ADEV_Min = ADEV lower bound.
 ADEV_Max = ADEV upper bound.
 MDEV = Modified ALLAN STD DEV.
 TDEV = Time ALLAN STD DEV.
 HDEV = Overlapping HADAMARD STD DEV.

Tau	ADEV	ADEV_Min	ADEV_Max	MDEV	TDEV	HDEV
0.25	0.51651	0.51166	0.5215	0.51651	0.074552	0.53406
0.5	0.32455	0.32126	0.32794	0.25721	0.074251	0.32286
1	0.2369	0.23383	0.24008	0.17557	0.10136	0.234
2	0.18177	0.17856	0.18516	0.14042	0.16214	0.1658
4	0.18175	0.17729	0.18656	0.15013	0.34671	0.16265
8	0.16457	0.15895	0.17084	0.11029	0.50941	0.18328
16	0.059521	0.056701	0.062809	0.042108	0.38898	0.058947
32	0.042612	0.039829	0.046074	0.030626	0.56582	0.041649
64	0.032105	0.029234	0.036028	0.020381	0.75308	0.031122
128	0.020833	0.018304	0.024818	0.012969	0.9584	0.020589
256	0.014175	0.011852	0.018767	0.011447	1.6919	0.011284
512	0.019258	0.01501	0.032181	0.02119	6.2637	0.014579

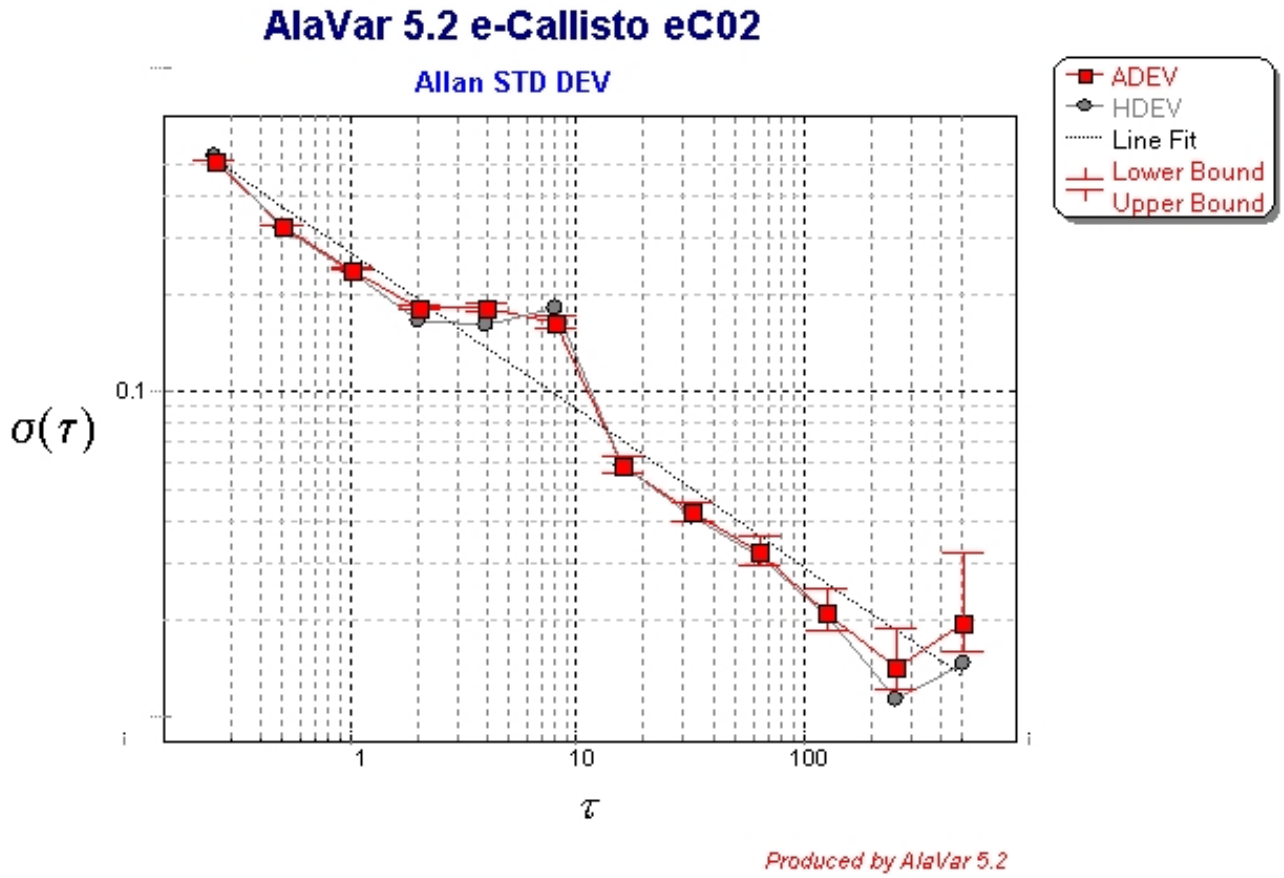


Figure 3 : Allan Standard Deviation