

AlaVar generated report

F:\Callisto_Quali\Data\TotalLightCurve100.prn

File 'F:\Callisto_Quali\Data\TotalLightCurve100.prn' created on 04.03.2016 09:49:20

Column # 1 was processed

Data length N = 687600 points.

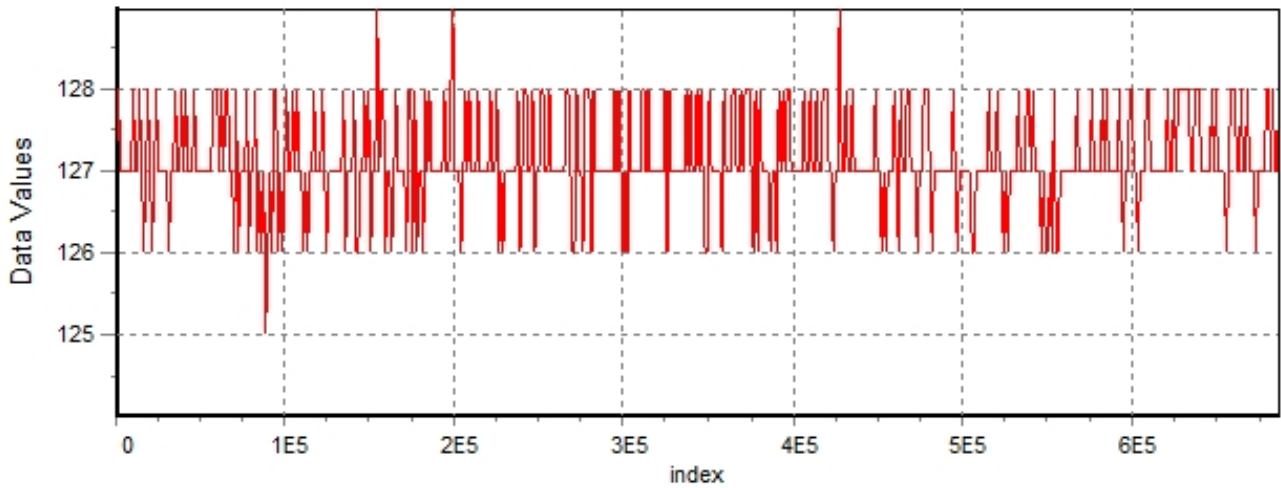
The mean Value of the processed data = 127.118

The Stanardr Deviation of the processed data = 1.06896

The number of removed outliers is 33

AlaVar 5.2

Data Values

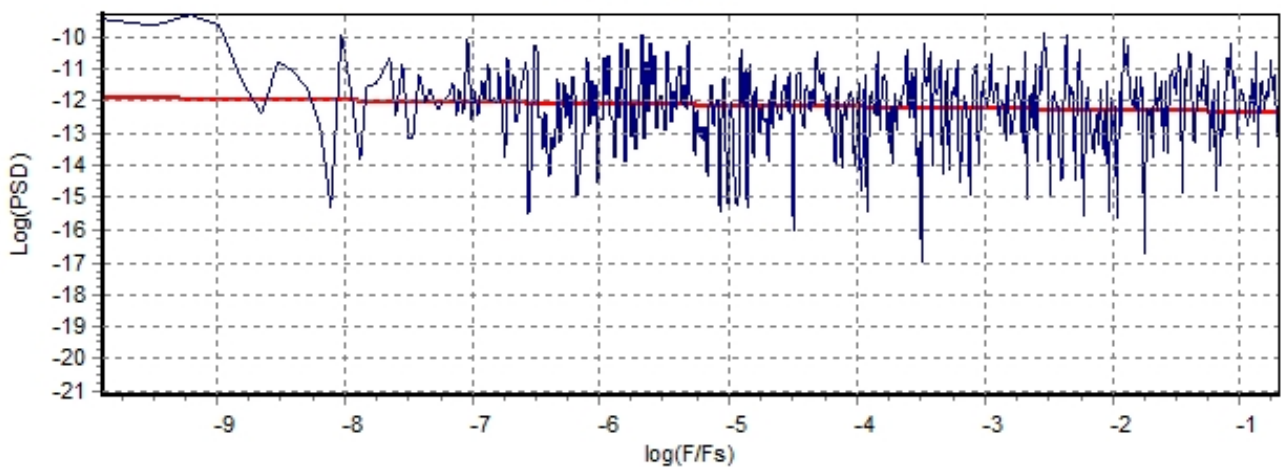


Produced by AlaVar 5.2

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 0.137000 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 =-0.497459
 The fit result is ADEV(tau=1) = Stability =0.302131

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	0.60504	0.60441	0.60567	0.60504	0.08733	0.60522
0.5	0.42744	0.42695	0.42792	0.33796	0.097561	0.42732
1	0.30268	0.30224	0.30312	0.22072	0.12743	0.3026
2	0.21434	0.21392	0.21477	0.15288	0.17653	0.21437
4	0.15145	0.15102	0.15187	0.10728	0.24775	0.15143
8	0.10716	0.10674	0.10758	0.07575	0.34987	0.10731
16	0.075344	0.074928	0.075768	0.053289	0.49226	0.075217
32	0.053453	0.053037	0.05388	0.03768	0.69615	0.053505
64	0.03781	0.037395	0.038239	0.026876	0.99309	0.037703
128	0.027177	0.026758	0.027616	0.019384	1.4325	0.027108
256	0.019433	0.019013	0.019881	0.013818	2.0423	0.019417
512	0.01373	0.013316	0.014186	0.0096684	2.858	0.013628
1024	0.010149	0.0097237	0.010636	0.0073051	4.3188	0.0096818
2048	0.0079821	0.0075196	0.008542	0.0059948	7.0884	0.0076154
4096	0.0064931	0.0059767	0.0071716	0.0050383	11.915	0.0058704
8192	0.00715	0.0063753	0.0082985	0.0067341	31.85	0.0040398
16384	0.011831	0.010098	0.014933	0.01037	98.097	0.0052237
32768	0.016863	0.013537	0.025131	0.011739	222.09	0.0092057

Allan time variance Callisto eC95

Allan STD DEV

