

# AlaVar generated report

G:\eC58\ec58610mhz.dat

File 'G:\eC58\ec58610mhz.dat' created on 27.08.2012 08:43:52

Column # 1 was processed

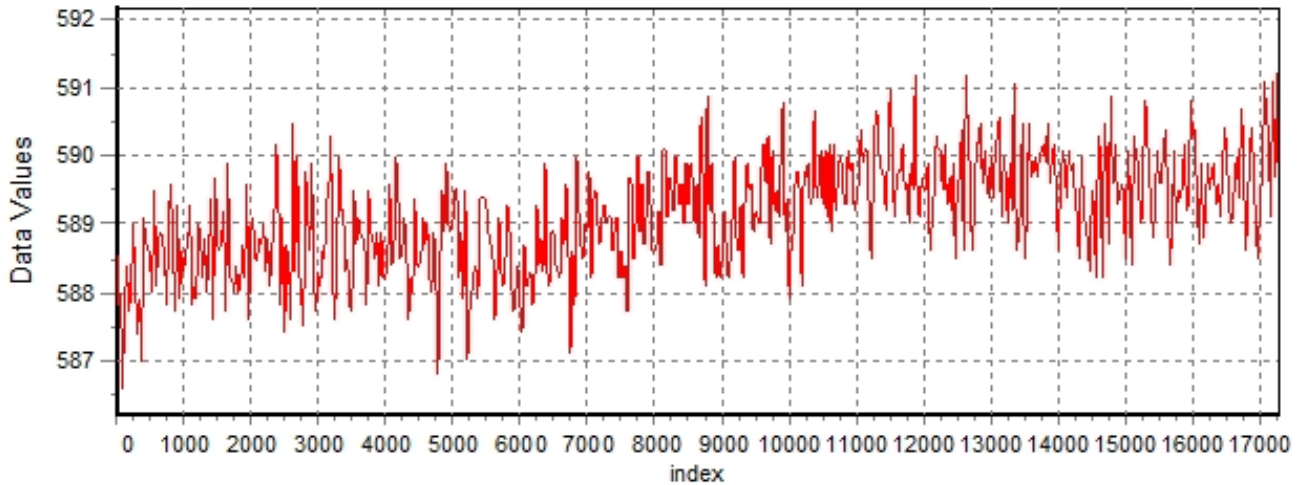
Data length N = 17280 points.

The mean Value of the processed data = 589.131

The Stanadr Deviation of the processed data = 0.833966

## AlaVar 5.2

### Data Values

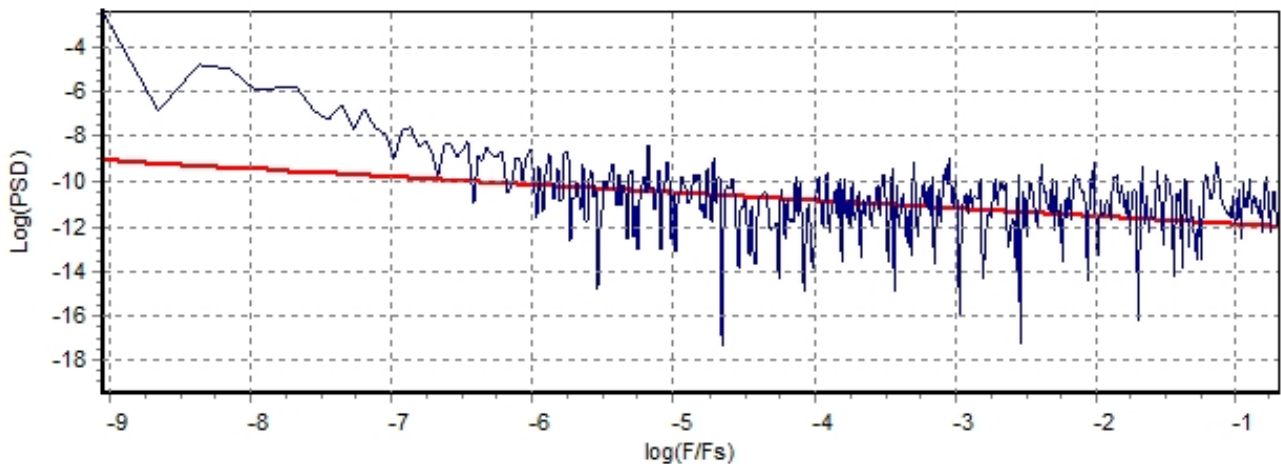


*Produced by AlaVar 5.2*

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 0.203000 seconds  
 The error bars were computed for a : White FM  
 The computation of the Error bars lasted 0 seconds

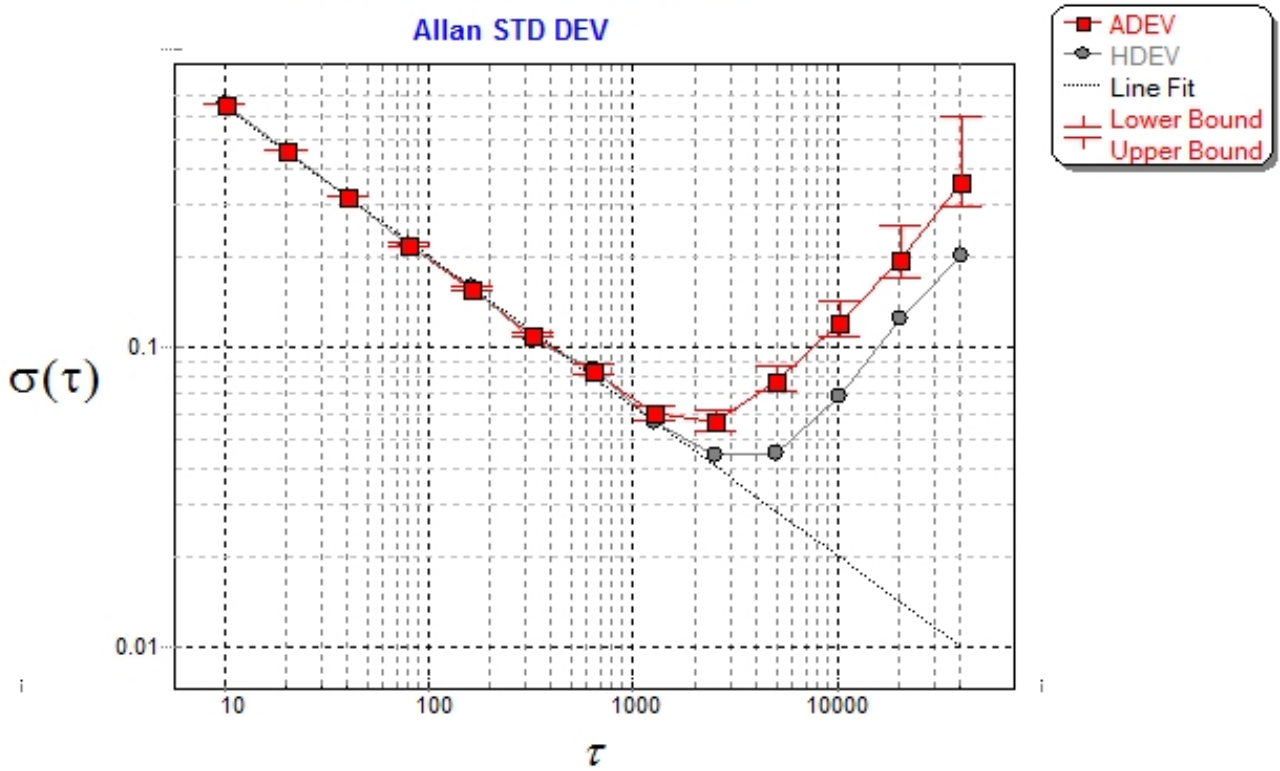
ADEV(tau) was fitted to a line :  
 The Solpe of the line is =-0.501493  
 The fit result is ADEV(tau=1) = Stability =2.04877

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
10	0.65531	0.65103	0.65967	0.65531	3.7834	0.65537
20	0.46134	0.45809	0.46466	0.36339	4.196	0.46283
40	0.32054	0.31765	0.3235	0.23141	5.3441	0.32195
80	0.22278	0.22004	0.22563	0.15826	7.3098	0.2223
160	0.15838	0.15566	0.16125	0.11121	10.273	0.15943
320	0.10987	0.10724	0.11271	0.078847	14.567	0.10743
640	0.084124	0.081309	0.087254	0.060192	22.241	0.084558
1280	0.060265	0.057466	0.063517	0.045299	33.476	0.056401
2560	0.056787	0.053149	0.06129	0.048107	71.103	0.043971
5120	0.076935	0.070186	0.086098	0.071001	209.88	0.044362
10240	0.12154	0.10705	0.14412	0.11236	664.28	0.068816
20480	0.19698	0.16529	0.25854	0.19483	2303.7	0.12515
40960	0.36376	0.28498	0.59455	0.42136	9964.3	0.20615

### Allan Time Callisto eC58

Allan STD DEV



Produced by AlaVar 5.2

Figure 3 : Allan Standard Deviation