

RF-SUISSE GPS Guided References Performance Comparison

RF-SUISSE offers GPS guided (disciplined) references with different signal sources from standard TCXO's via high performance TCXO's to OCXO's. The characteristics of these specific sources have impact on the performance of the resulting product mainly in the way these references lock to GPS, their long and short term stability and the way how they recover from missing GPS signals.

Example of product shown:

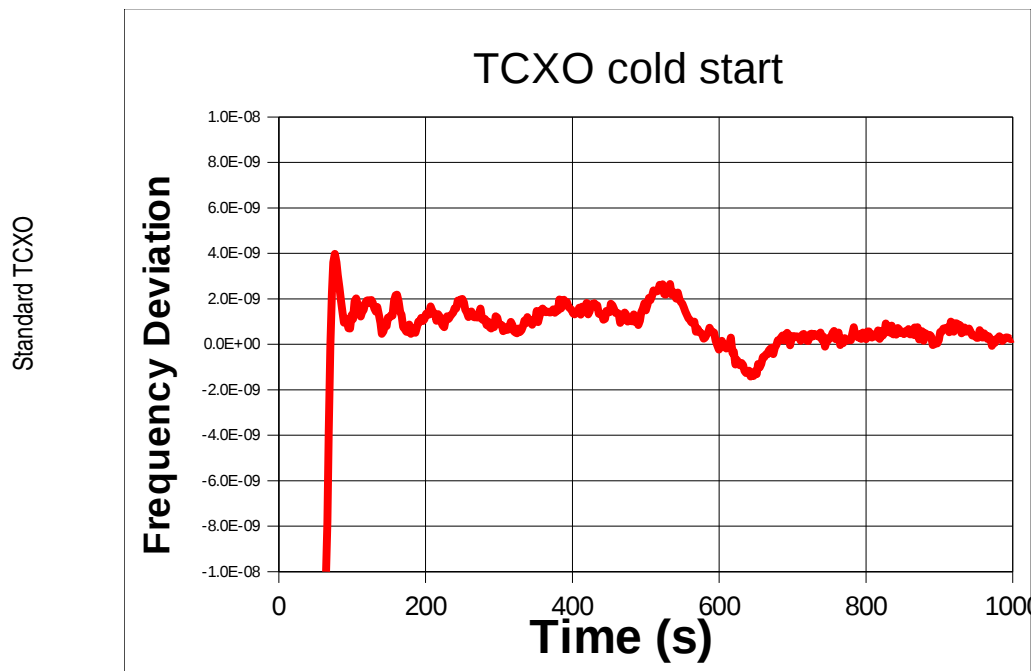
Standard TCXO: RS-GGO10-Tx, TS-GGO10-T2xRS-CGGO10-T

High performance TCXO: RS-GGO10-T3x, RS-MRGGT10

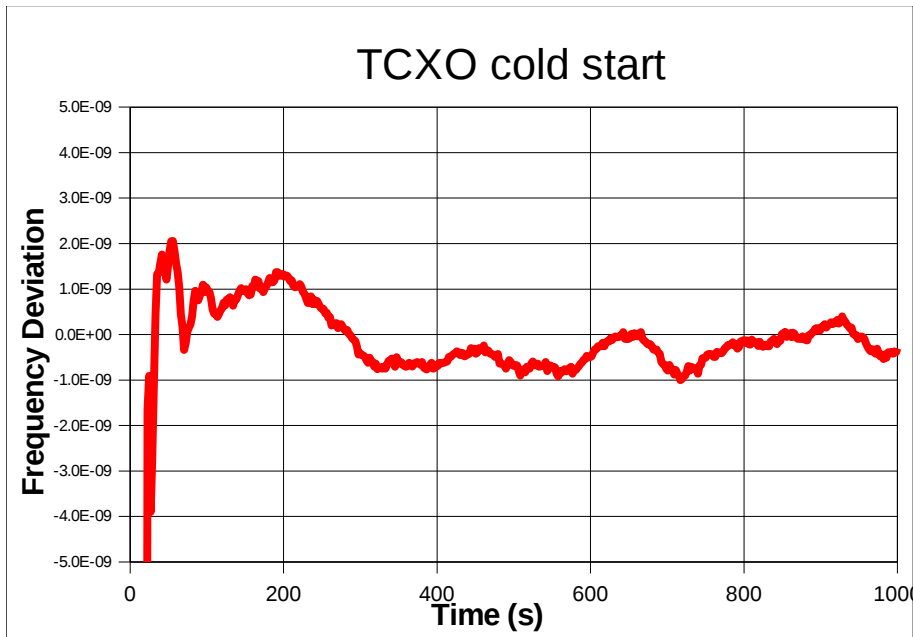
OCXO: RS-GGO10-O, RS-CGGO10-O

RF-SUISSE GPS Guided References are high performance designs at surprisingly low power consumption. Comparing the performance of the high performance TCXO with other solutions shows that it meets or exceeds what other solutions achieve with OCXO's and at a much higher power consumption.

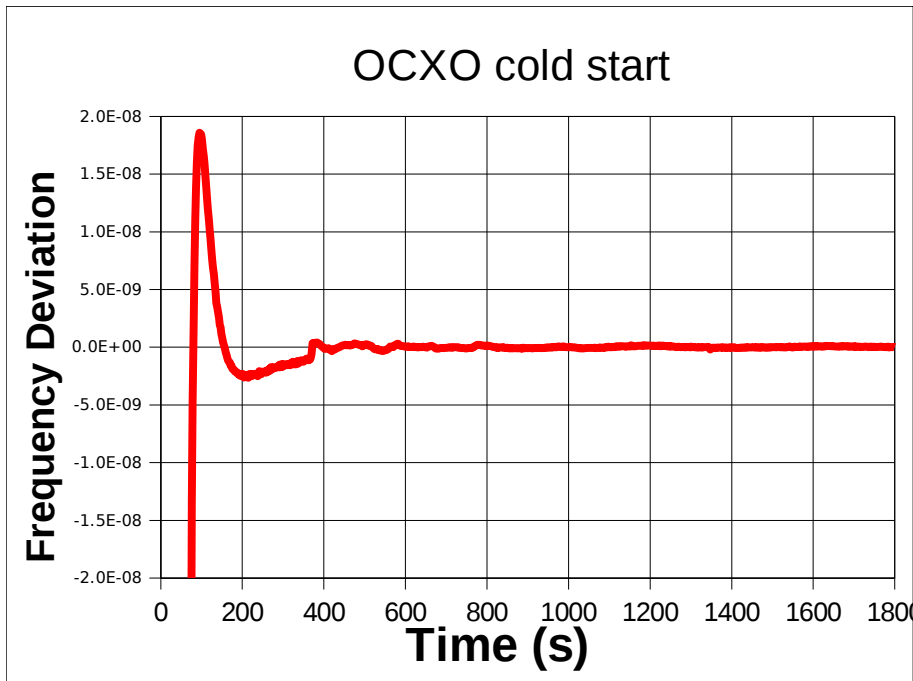
Cold start lock-in:



High performance TCXO

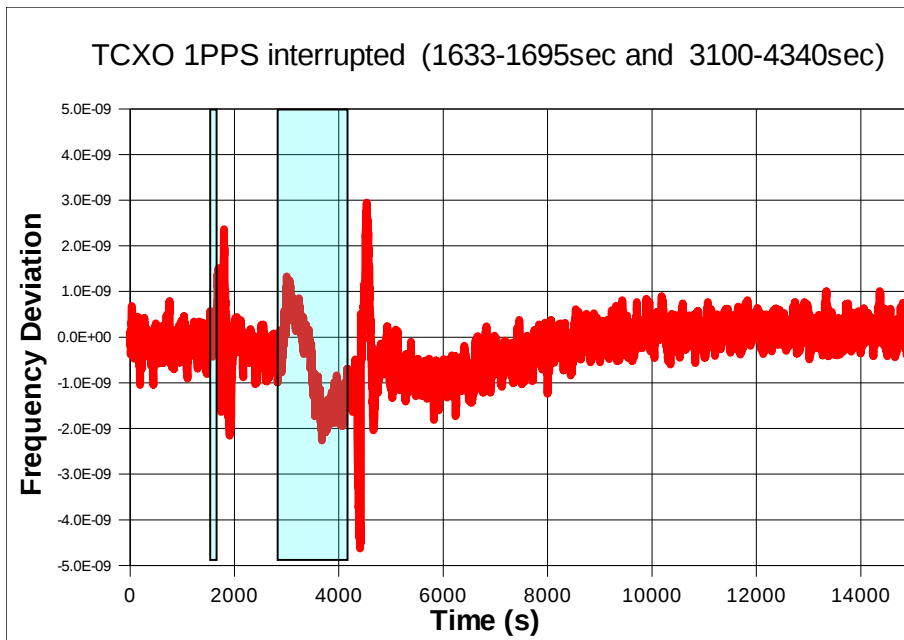


OCXO

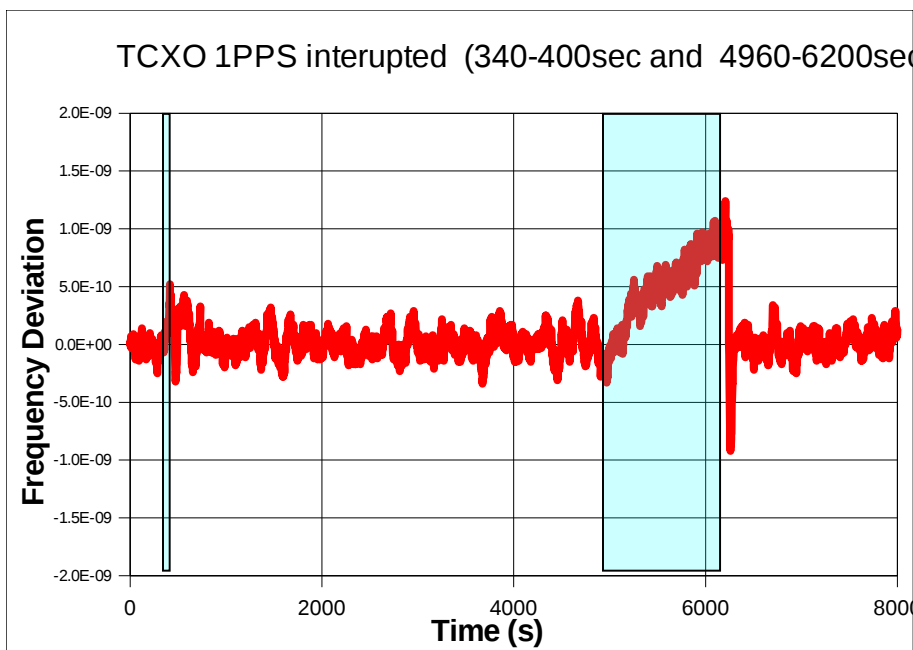


Short and long-term missing 1PPS pulses:

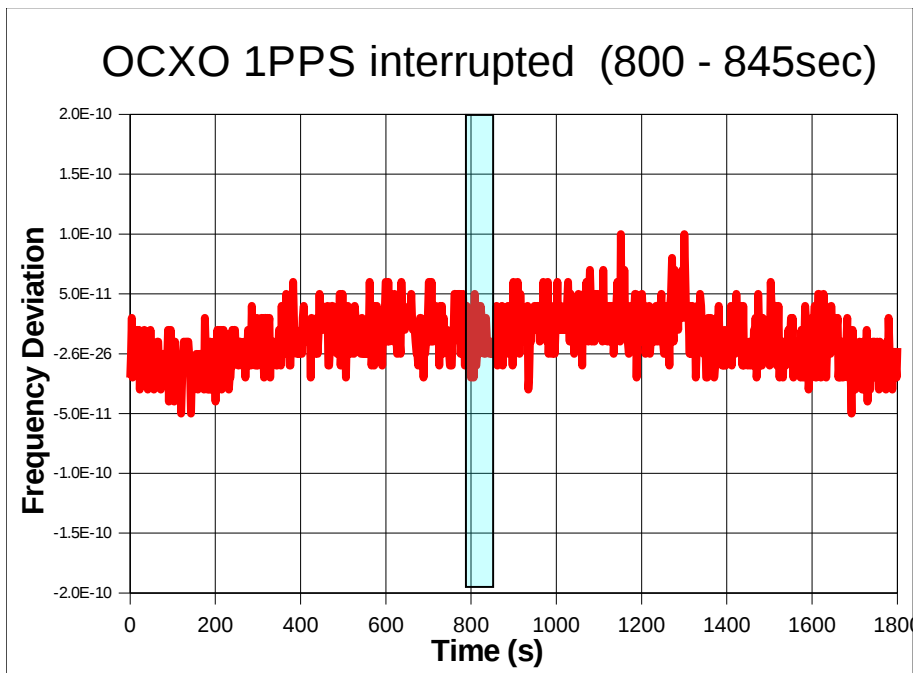
Standard TCXO



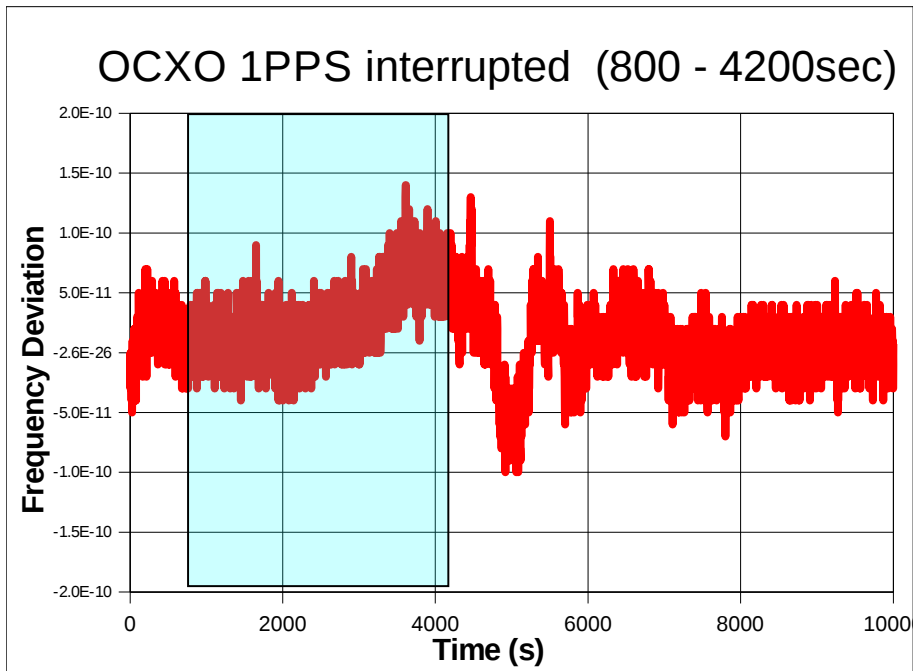
High performance TCXO



OCXO short-term

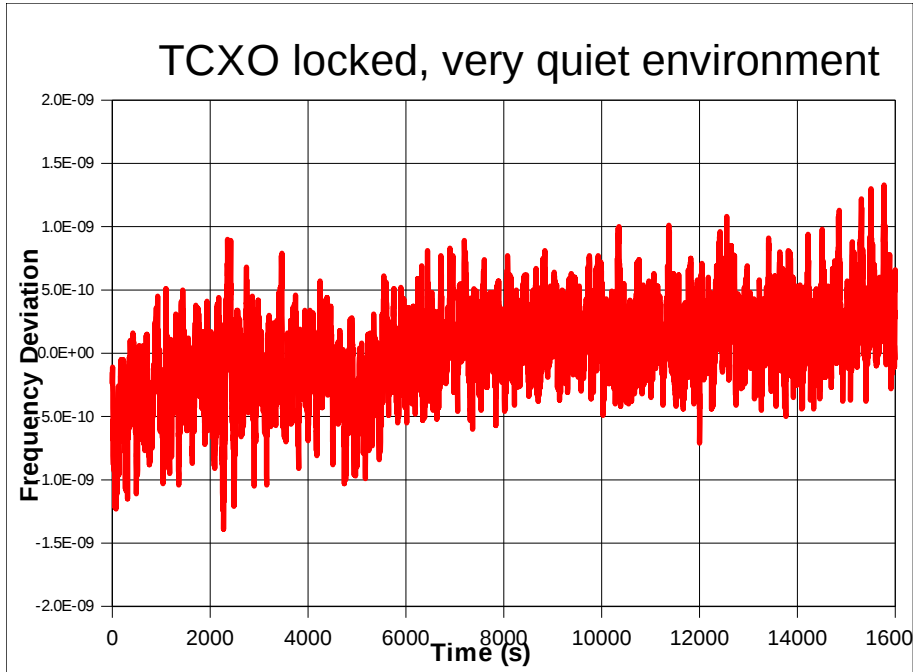


OCXO long-term

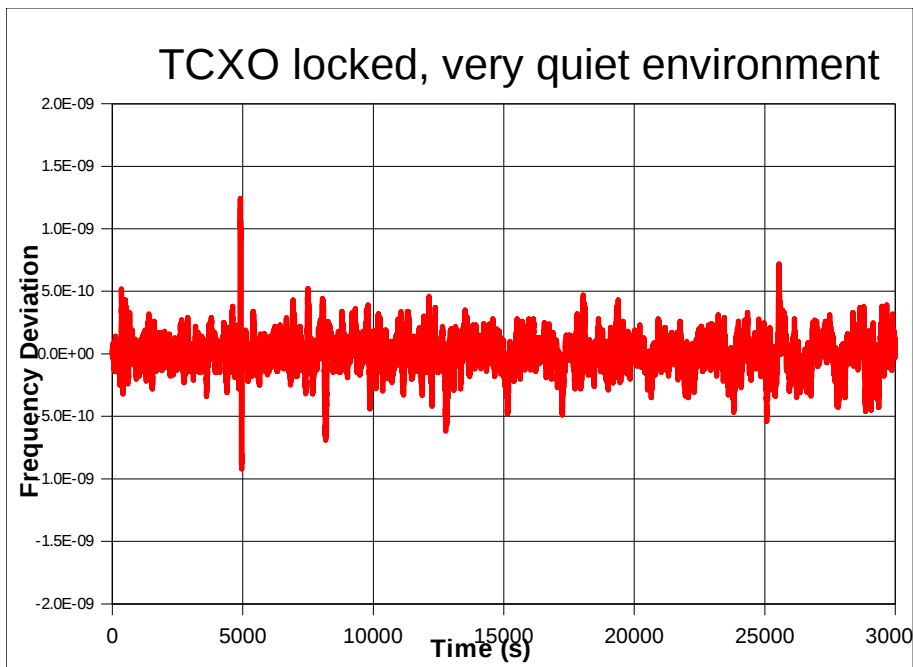


Long term stability:

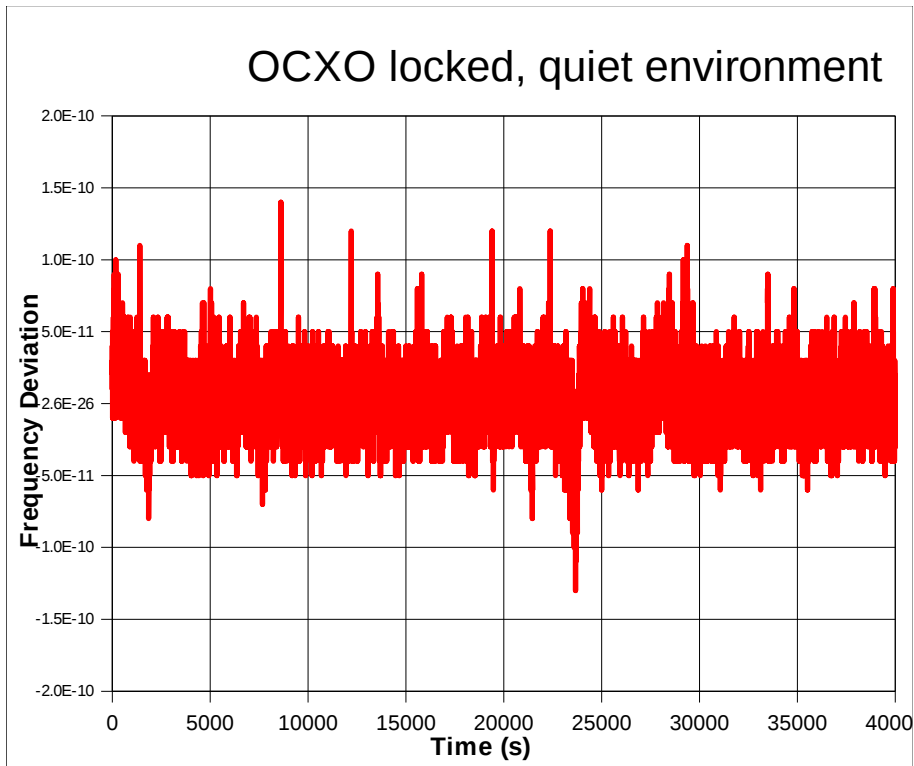
Standard TCXO



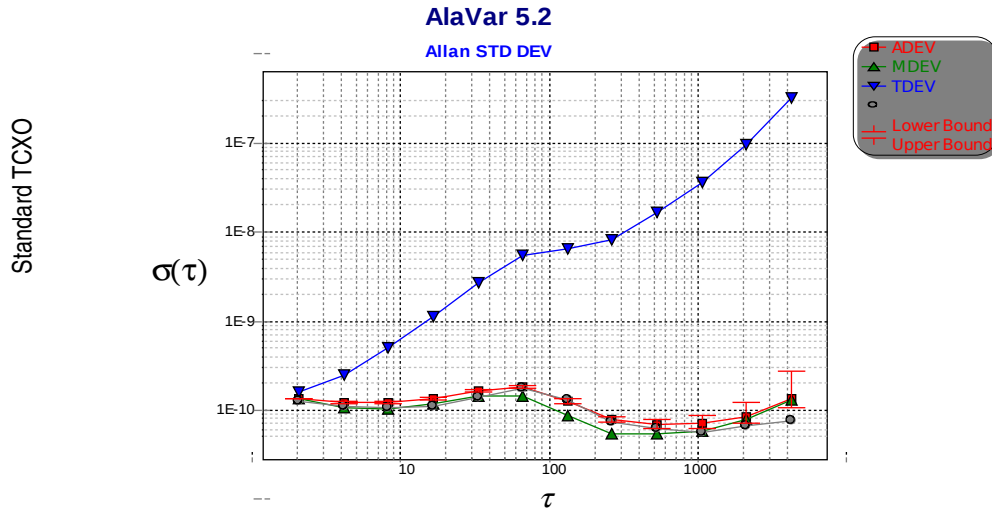
High performance TCXO



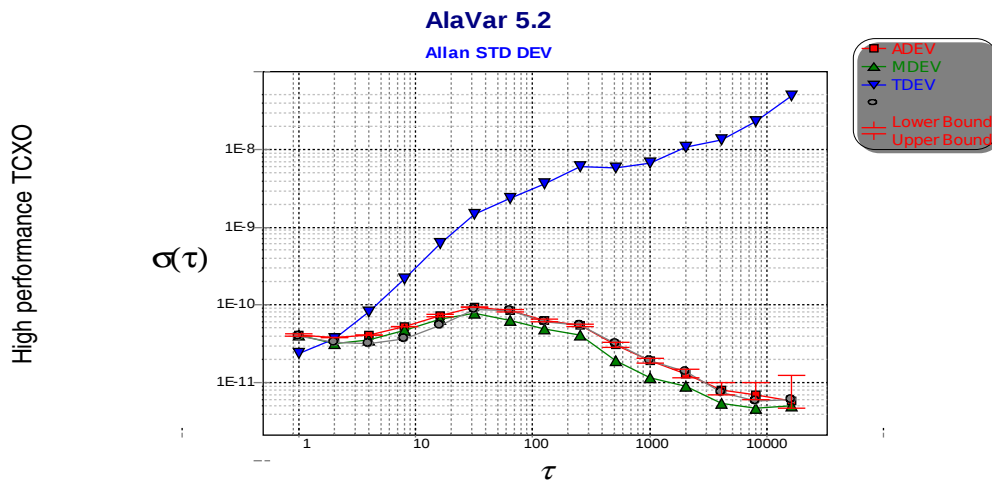
OCXO



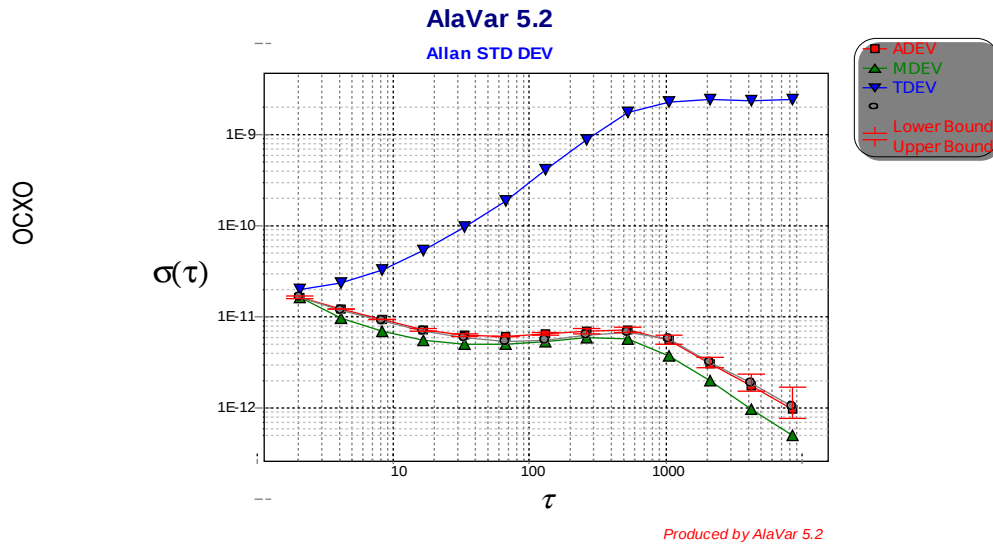
Allan Variance:



Produced by AlaVar 5.2



Produced by AlaVar 5.2



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