

Series of measurement on a Dell Studio 1747 for the contemporary issue “throttling”

technical data:

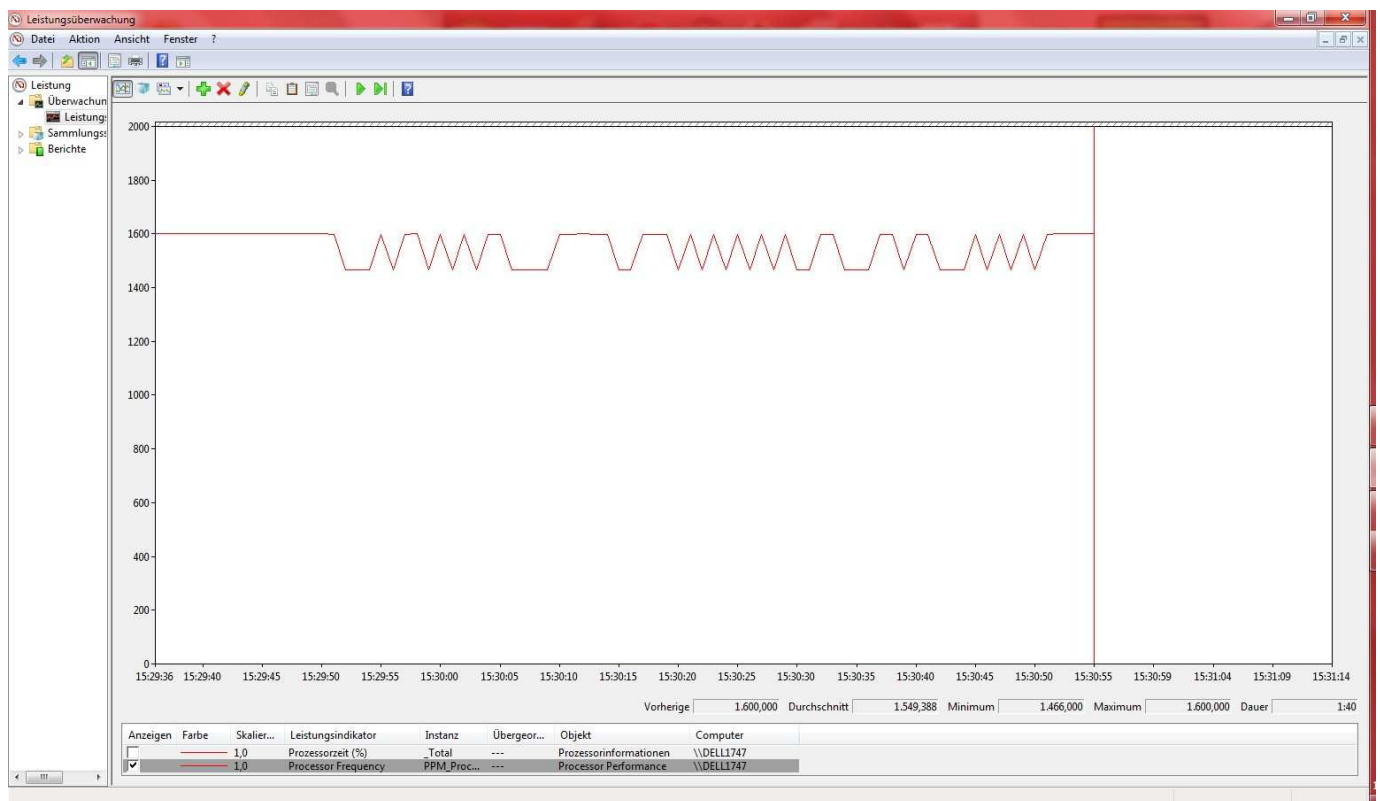
17,3“ WLED TL Display 1600x900
Intel Core i7 720
ATI Mobility 4650, 1GB GDDR3
500GB HDD 7200 rpm
DVD Writer
4 GB RAM

used Software:

Prime95
FurMark
Performance control (basic software in Windows 7)

First measurement:

used Prime95 with **4** threads and FurMark for 60s in resolution 1600x900



Already by the use of only 4 threads you can see the processor frequency throttles down!
On the picture below you will see the temperatures from GPU and CPU and the medial processor load.



Second measurement:

used Prime95 with 6 threads and FurMark for 60s in resolution 1600x900



With 6 threads the throttling increase, visible at the average frequency!