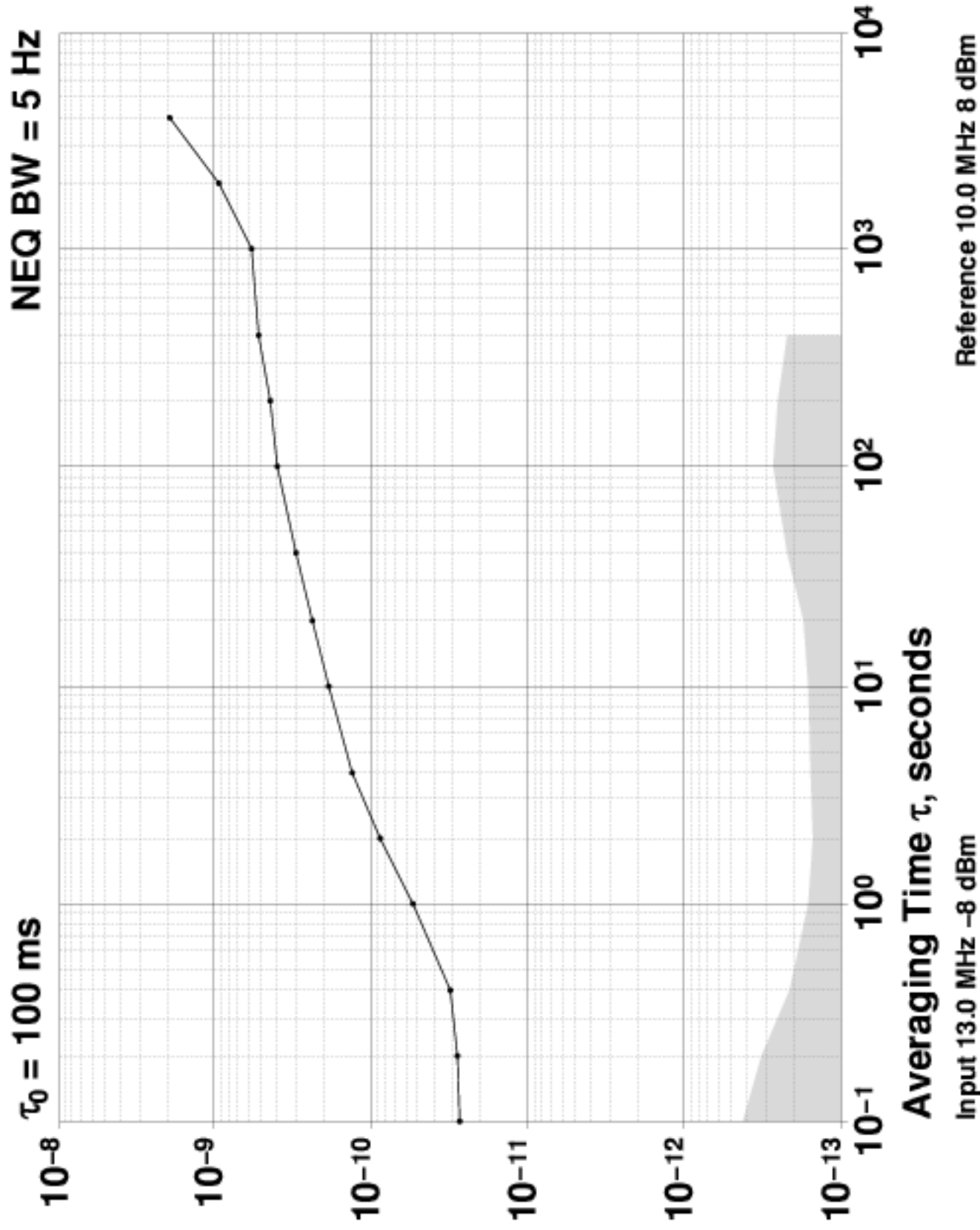


Allan Deviation $\sigma_y(\tau)$



Allan Deviation $\sigma_y(\tau)$

Avg. Time (s)	Allan Deviation $\sigma_y(\tau)$	Noise Floor
0.1	2.732×10^{-11}	4.23996×10^{-13}
0.2	2.836×10^{-11}	3.16305×10^{-13}
0.4	3.063×10^{-11}	2.14626×10^{-13}
1	5.33×10^{-11}	1.64296×10^{-13}
2	8.80×10^{-11}	1.52724×10^{-13}
4	1.297×10^{-10}	1.54398×10^{-13}
10	1.87×10^{-10}	1.63067×10^{-13}
20	2.35×10^{-10}	1.72482×10^{-13}
40	3.02×10^{-10}	2.22027×10^{-13}
100	3.92×10^{-10}	2.73685×10^{-13}
200	4.4×10^{-10}	2.50635×10^{-13}
400	5.1×10^{-10}	2.20460×10^{-13}
1000	5.8×10^{-10}	
2000	9.2×10^{-10}	
4000	1.9×10^{-9}	

$\tau_0 = 100 \text{ ms}$ NEQ BW = 5 Hz

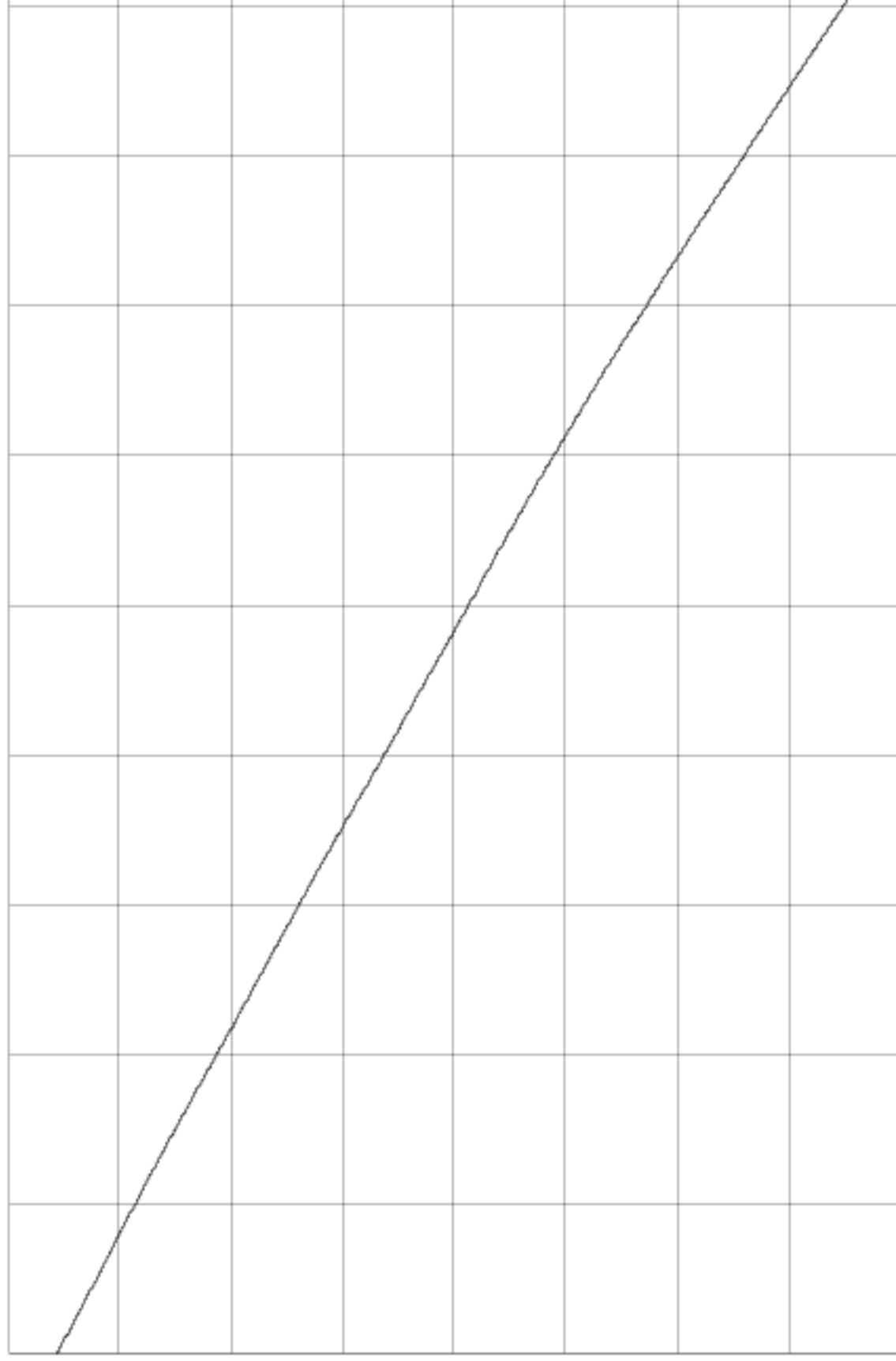
19 Apr 2006 22:04:28
3h 1m

TSC 5120A

Phase Difference

6.0x10⁻⁰⁷ s/div

Center: -5.5720x10⁻⁰⁵ s



60s/div

Input 13.0 MHz -8 dBm

Reference 10.0 MHz 8 dBm

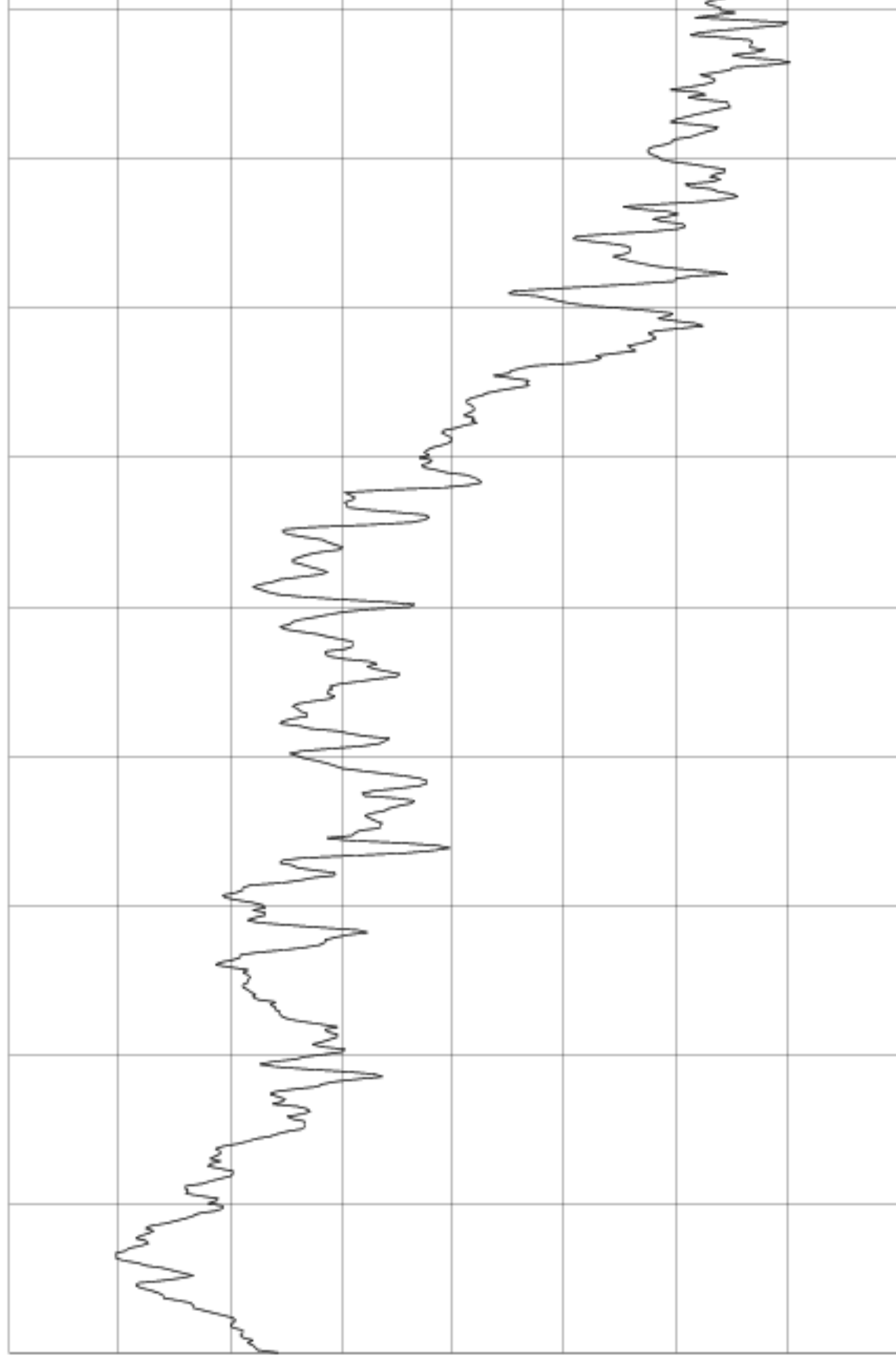
19 Apr 2006 22:04:28
3h 1m

TSC 5120A

Frequency Difference

4.0×10^{-10} /div

Center: -7.968×10^{-09}



60s/div

Input 13.0 MHz -8 dBm

Reference 10.0 MHz 8 dBm

Frequency Counter

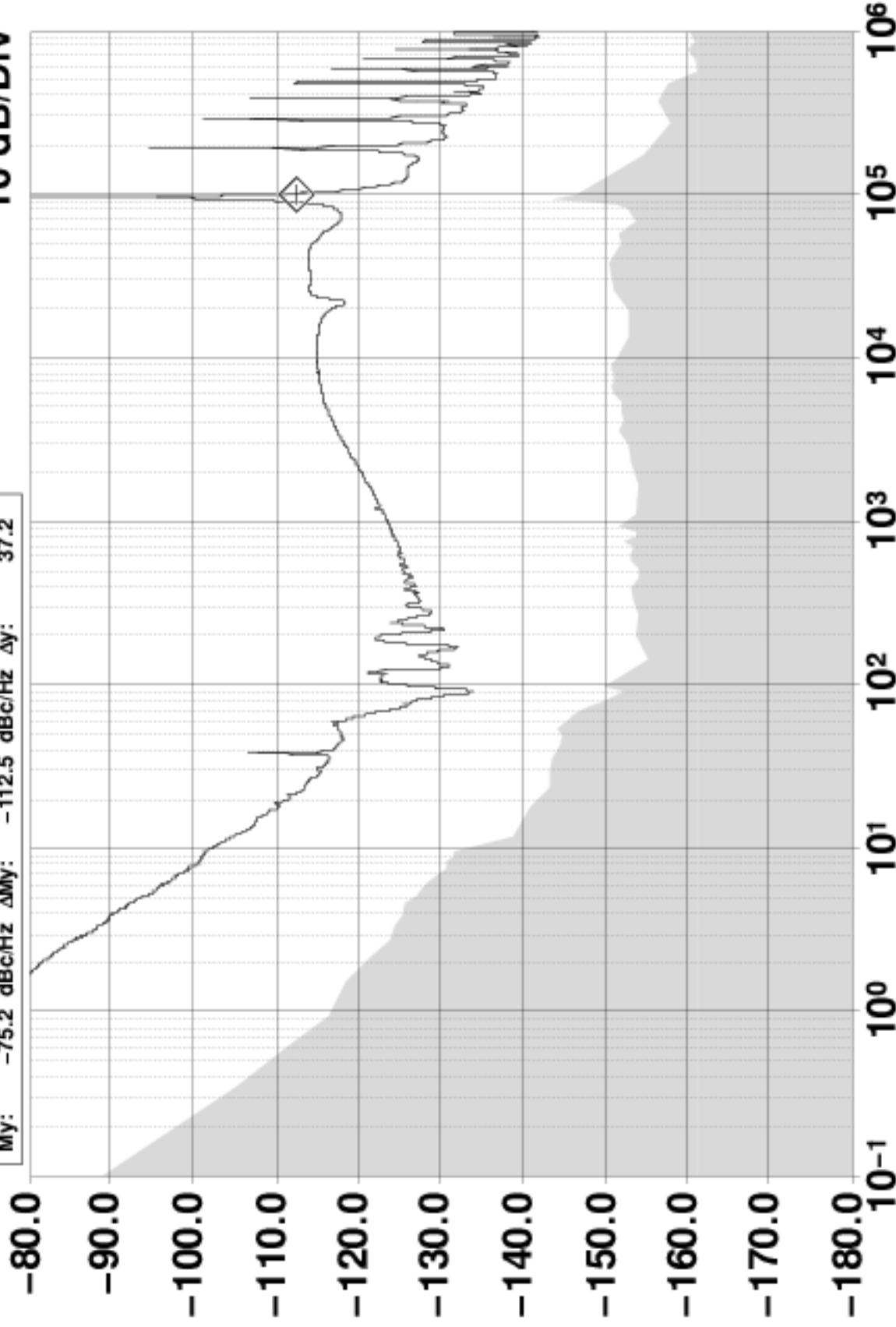
Sample Time (s)	Frequency (MHz)
1	12.9999962149539
10	12.99999621931976
100	12.999996223492782
1000	12.999996208669423

Reference Frequency: 10.0 MHz (auto)

$\mathcal{L}(f)$ Phase Noise at 13.0 MHz (dBc/Hz)

Mx: 1.000977 Hz Δ Mx: 99975.59 Hz Δ x: -99974.6
 My: -75.2 dBc/Hz Δ My: -112.5 dBc/Hz Δ y: 37.2

10 dB/Div



Offset Frequency (Hz)

Time Constant: ∞

Input 13.0 MHz -8 dBm

Reference 10.0 MHz 8 dBm