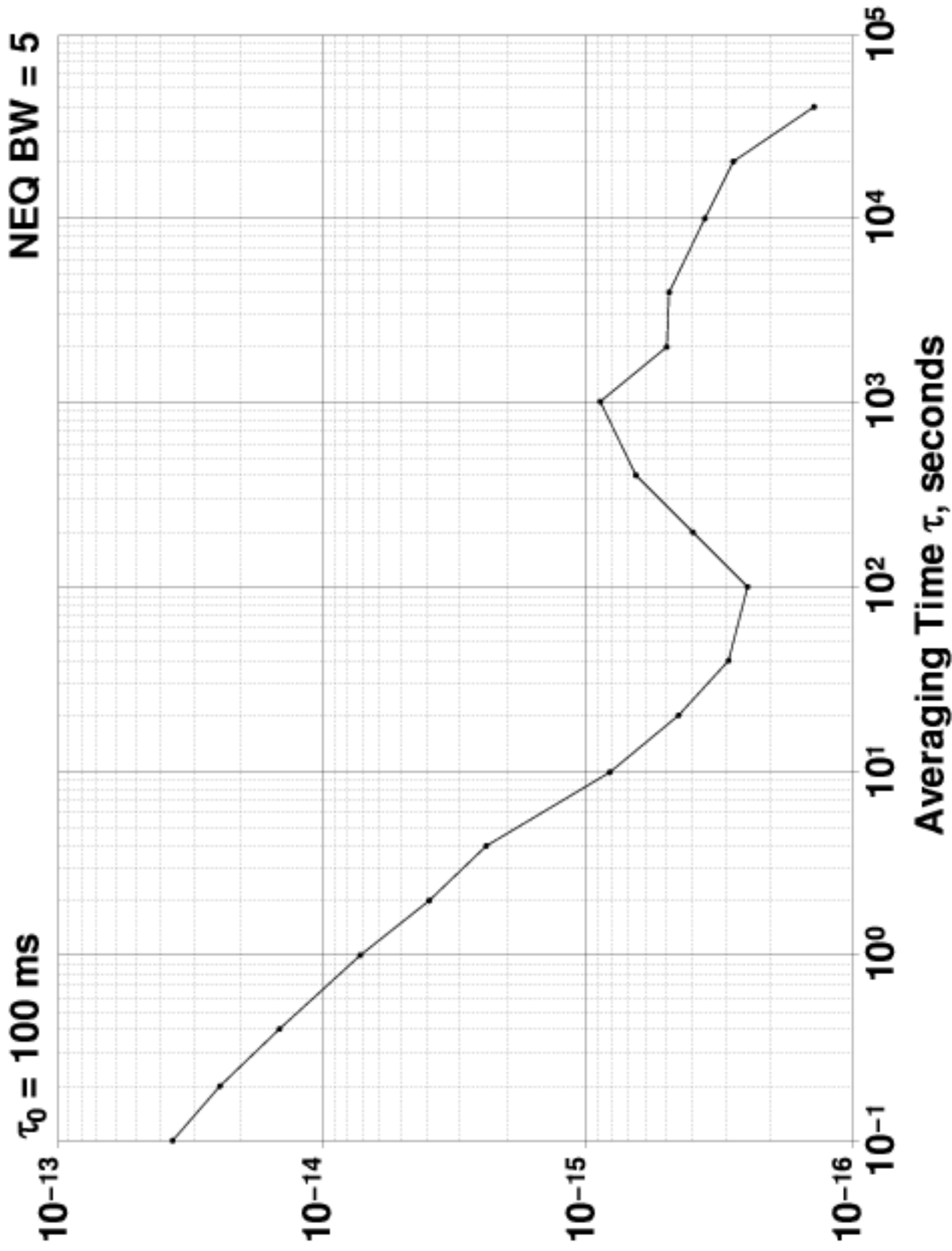


Allan Deviation $\sigma_y(\tau)$



Input 10.0 MHz 3 dBm

Reference 5.0 MHz 12 dBm

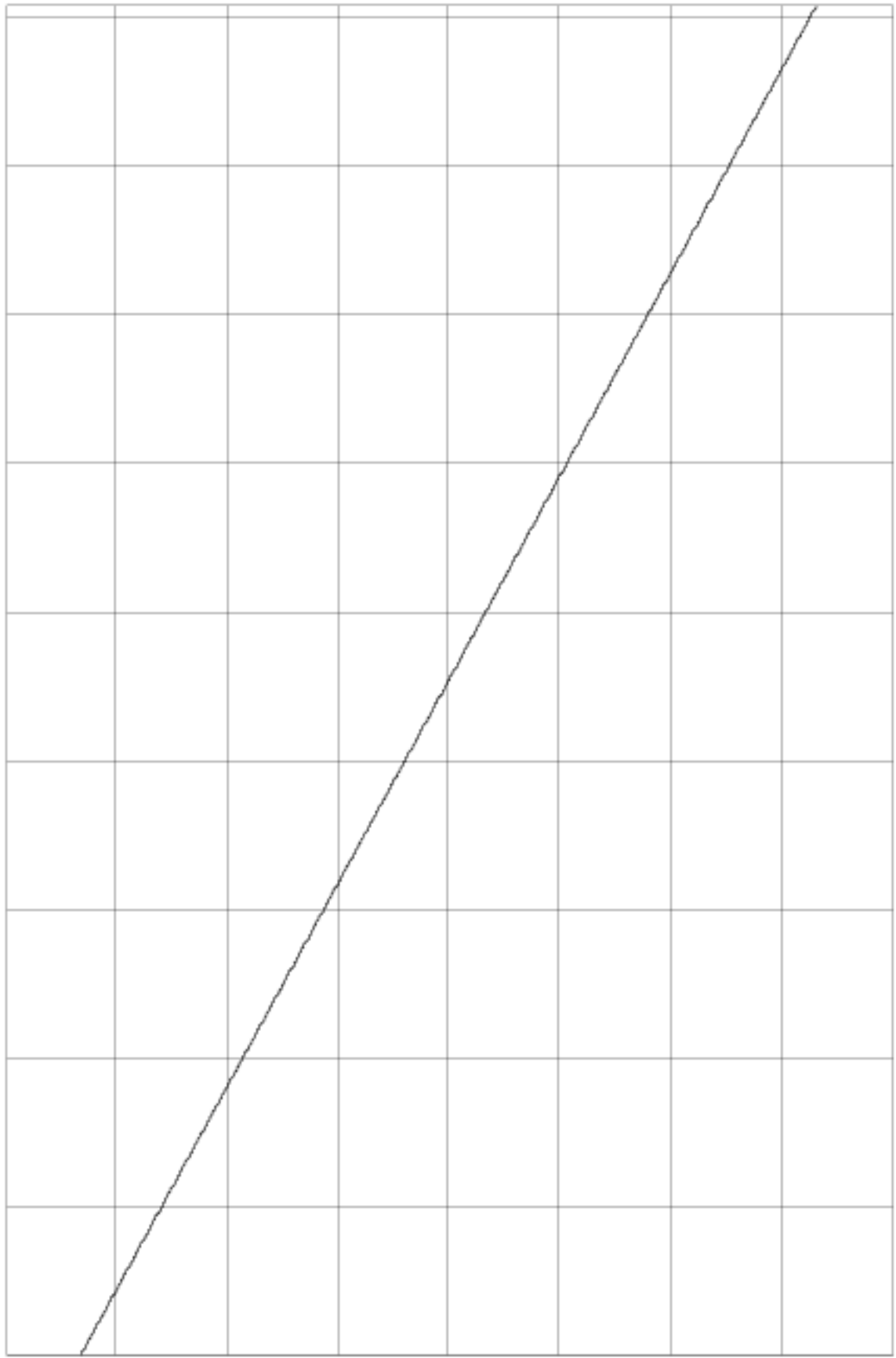
Allan Deviation $\sigma_y(\tau)$

$\tau_0 = 100 \text{ ms}$	Avg. Time (s)	Allan Deviation $\sigma_y(\tau)$	NEQ BW = 5
	0.1	3.6415×10^{-14}	
	0.2	2.3869×10^{-14}	
	0.4	1.4305×10^{-14}	
	1	7.096×10^{-15}	
	2	3.924×10^{-15}	
	4	2.406×10^{-15}	
	10	8.23×10^{-16}	
	20	4.549×10^{-16}	
	40	2.905×10^{-16}	
	100	2.50×10^{-16}	
	200	3.95×10^{-16}	
	400	6.58×10^{-16}	
	1000	9.0×10^{-16}	
	2000	5.0×10^{-16}	
	4000	4.9×10^{-16}	
	10000	3.6×10^{-16}	
	20000	2.8×10^{-16}	
	40000	1.4×10^{-16}	

Phase Difference

7.0x10⁻¹⁰ s/div

Center: -1.627879x10⁻⁰⁶ s



60s/div

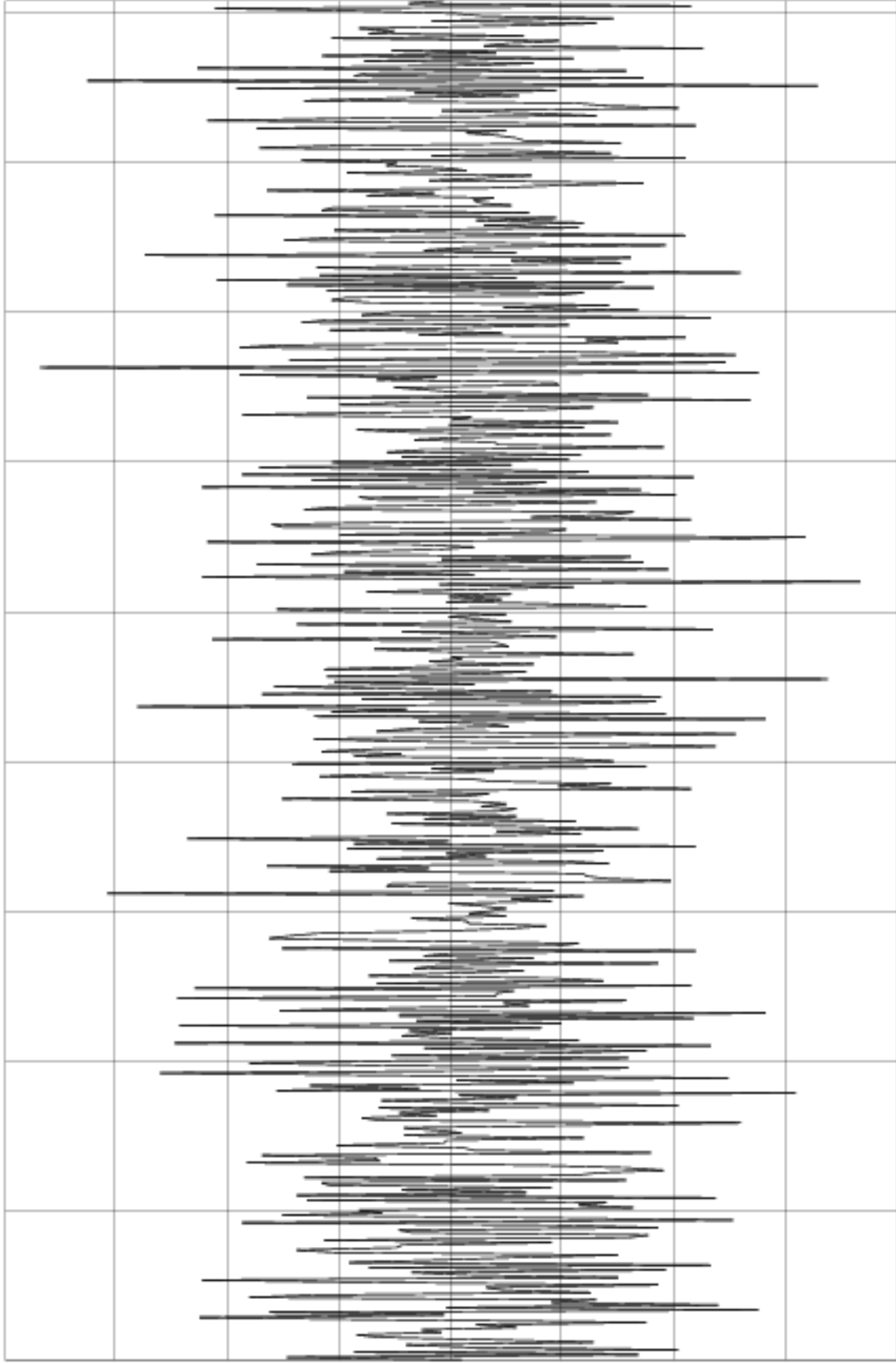
Input 10.0 MHz 3 dBm

Reference 5.0 MHz 12 dBm

Frequency Difference

5.0x10⁻¹⁵ /div

Center: -8.50645x10⁻¹²



60s/div

Input 10.0 MHz 3 dBm

Reference 5.0 MHz 12 dBm

Frequency Counter

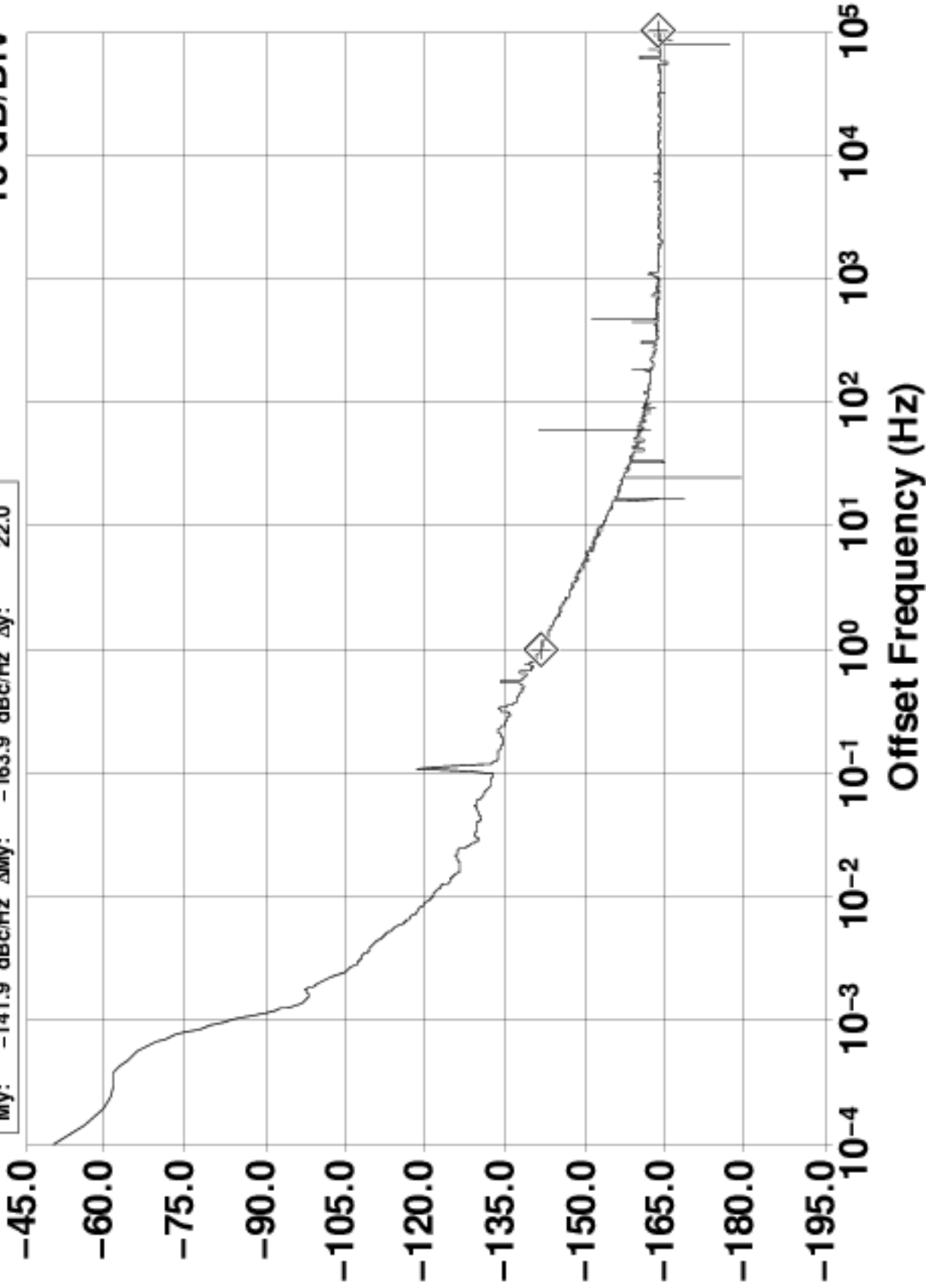
<u>Sample Time (s)</u>	<u>Frequency (MHz)</u>
1	10.00000000000001
10	10.00000000000037
100	10.00000000000001
1000	9.99999999999997

Reference Frequency: 5.0 MHz (auto)

$\mathcal{L}(f)$ Phase Noise at 10.0 MHz (dBc/Hz)

Mx: 1.000977 Hz Δ Mx: 99975.59 Hz Δ x: -99974.6
My: -141.9 dBc/Hz Δ My: -163.9 dBc/Hz Δ y: 22.0

15 dB/Div



Input 10.0 MHz 3 dBm

Reference 5.0 MHz 12 dBm