General Information

Report Title	Holdover-Baseline Test-CLS
Report Description	
Company	
User Name	
Network Operator	
Test Location	
Report Date	2022-07-21 18:30:57
Beginning of Test	2022-06-17 03:50:07 (local instrument time)
End of Test	2022-06-18 03:49:27 (local instrument time)
Test Duration	00:23:59:20
Instrument Type	Sentinel
Instrument Serial Number	400188
Software Version	2.14.0.0.6417-20210728
CAT Version	27.0.21154.2116 [S]
Notes	

Mask results:

All Mask Results	Pass

Mask C Time Error Result	Pass

Instrument Test Configuration

Frequency Reference Source		Internal - Rb

Channel C Test Configuration

Network / Device Under Test	
1pps TE Relative Sample Rate	1
Cable Delay Compensation	0 s
PPS Converter Used	No

Calnex

Results

1pps TE Relative Measurement

Channel	C
Description	
Measurement Start	2022-06-17 03:50:07 (local instrument time)
Measurement Stop	2022-06-18 03:49:27 (local instrument time)
Mask Time Error	1 µs
Mask Result	Pass
Mask Time Error (Filtered)	0.005 µs
Mask Result	NoMask
Mask Avg Time Error (cTE)	0.05 µs
Mask Result	NoMask
Mask Dynamic TE LF	1.1 µs
Mask Result	NoMask
Mask Dynamic TE HF	0.2 µs
Mask Result	NoMask

Calnex

Time Error Analysis

Offset Removal Applied	Off
Zero Offset	-0.0024 ppb
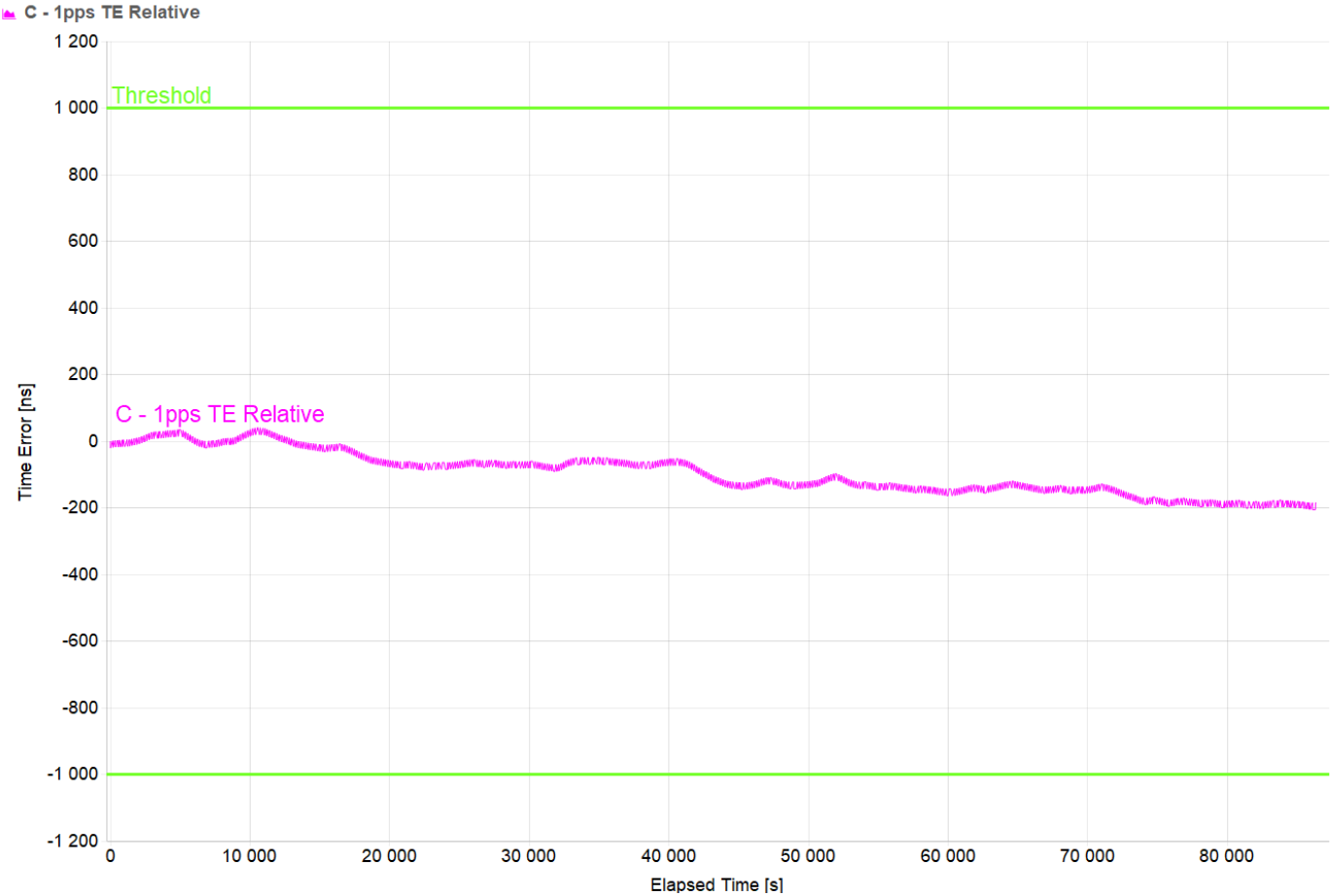
Mean	-100.841 ns
Min	-205.7 ns
Max	40.7 ns
Max-Min	246.4 ns

Calnex

Time Error (Filtered) Analysis

📉 **C - 1pps TE Relative Time Error (Filtered)**
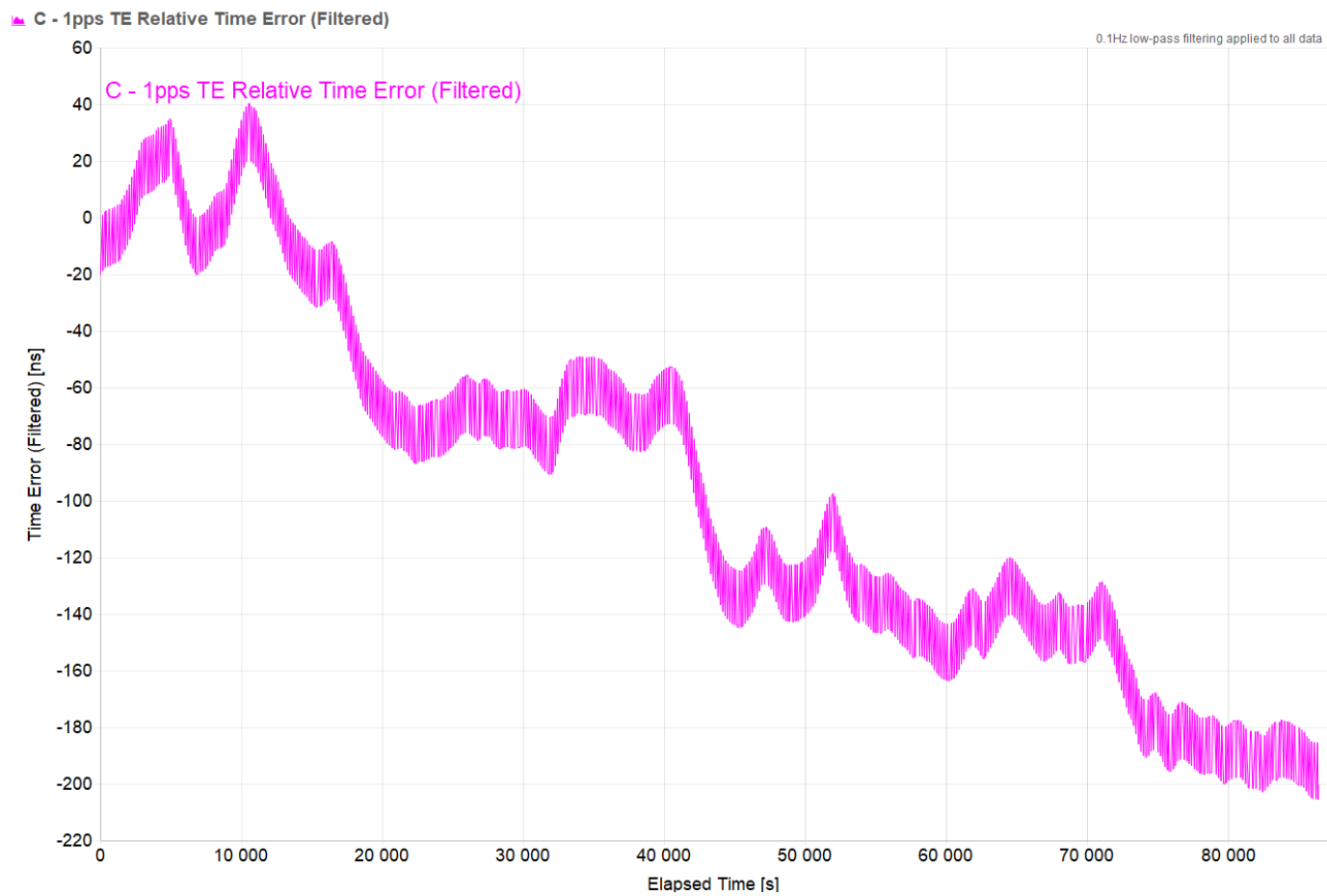
| Mean	-100.854 ns
Min	-205.545 ns
Max	40.328 ns
Max-Min	245.873 ns

Avg Time Error (cTE) Analysis

Averaging Period	1000 s

C - 1pps TE Relative Avg Time Error (cTE)

Constant Time Error: -100.780 [ns]

C - 1pps TE Relative Avg Time Error (cTE)
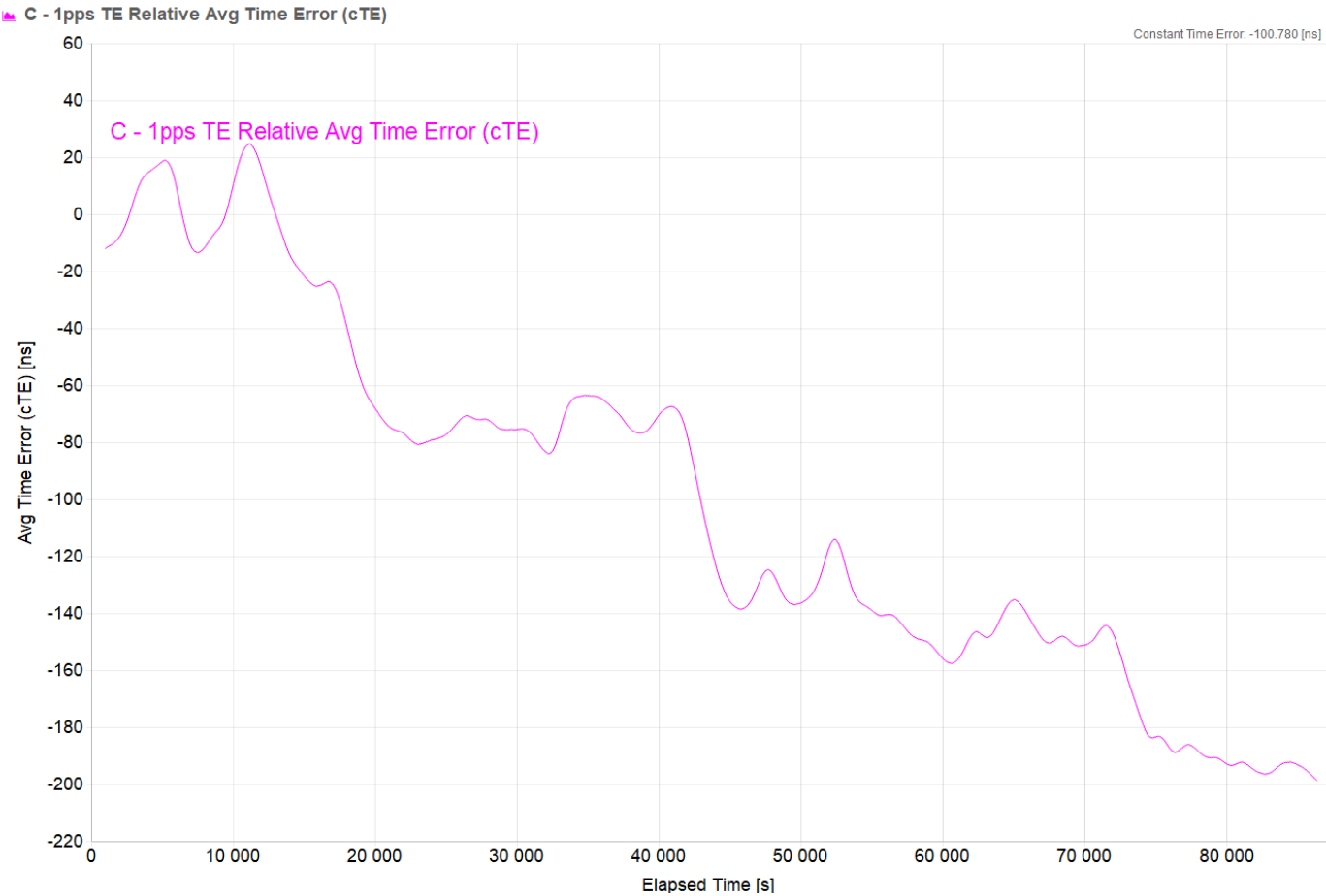
| Constant Time Error	-100.78 ns
Min	-198.784 ns
Max	24.737 ns
Max-Min	223.521 ns

Calnex

Dynamic TE LF Analysis
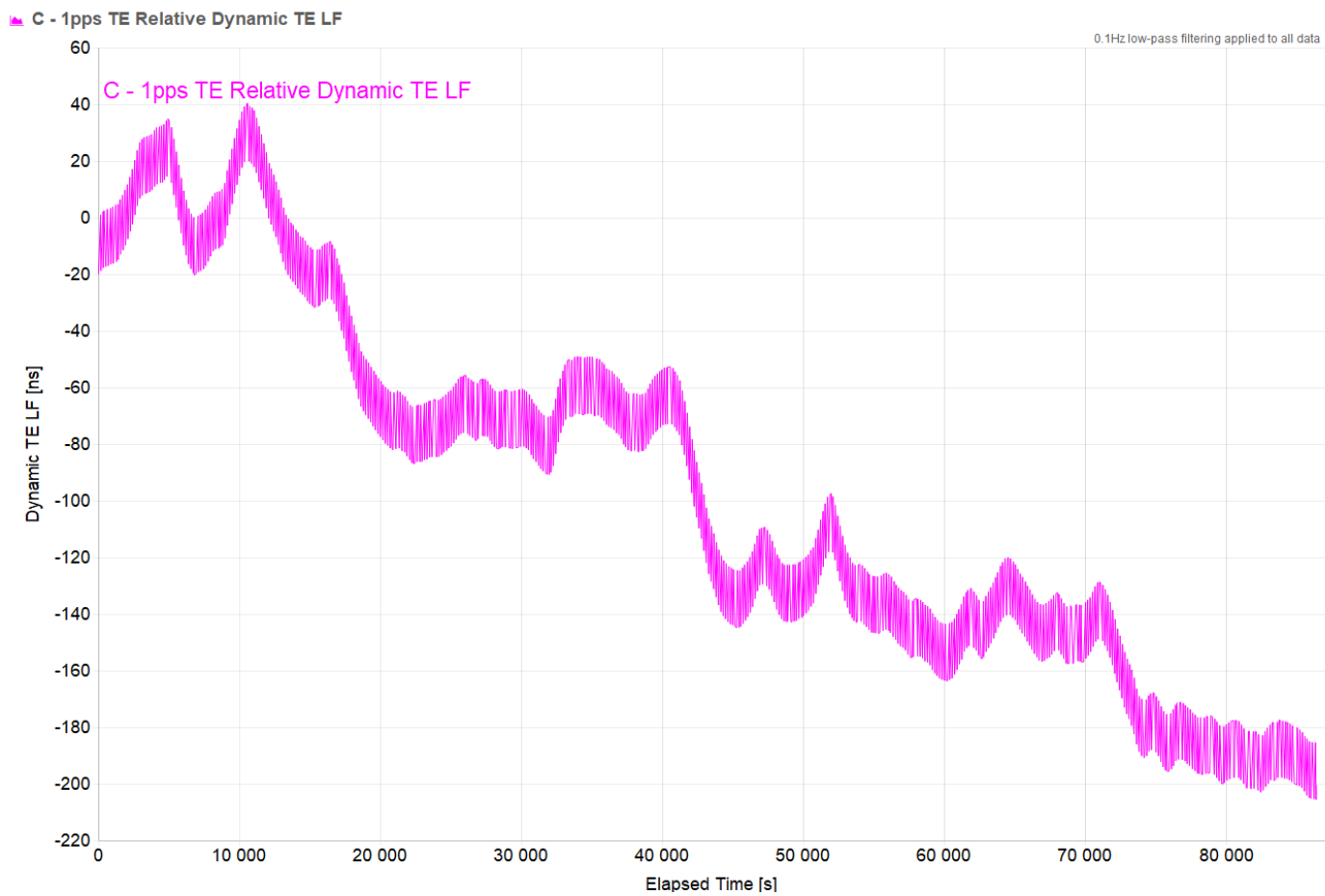
C - 1pps TE Relative Dynamic TE LF

0.1Hz low-pass filtering applied to all data

Mean	-100.854 ns
Min	-205.545 ns
Max	40.328 ns
Max-Min	245.873 ns

Calnex

Dynamic TE HF Analysis

C - 1pps TE Relative Dynamic TE HF

0.1Hz high-pass filtering applied to all data
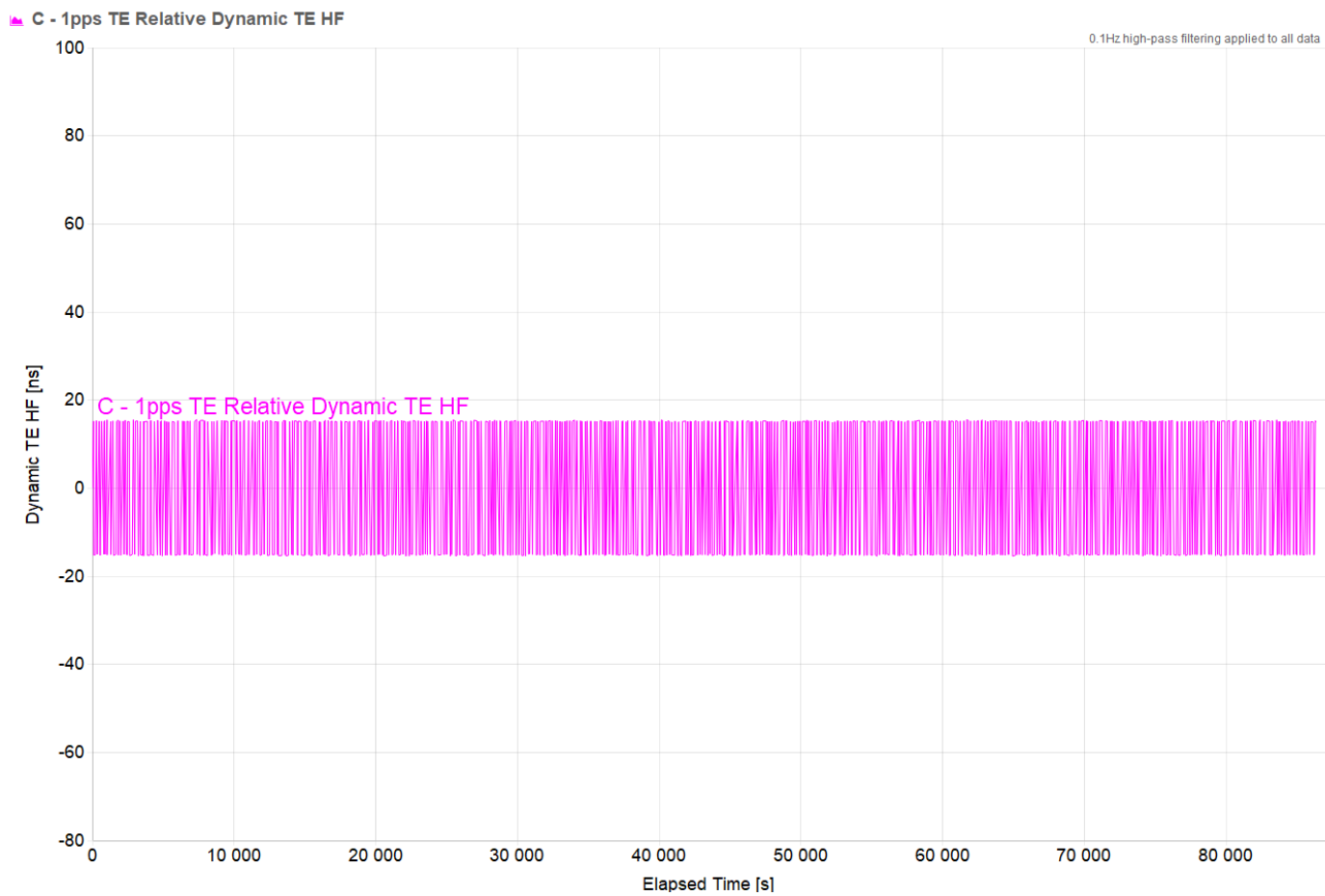
Mean	-0.003 ns
Min	-15.468 ns
Max	15.568 ns
Max-Min	31.036 ns

Calnex
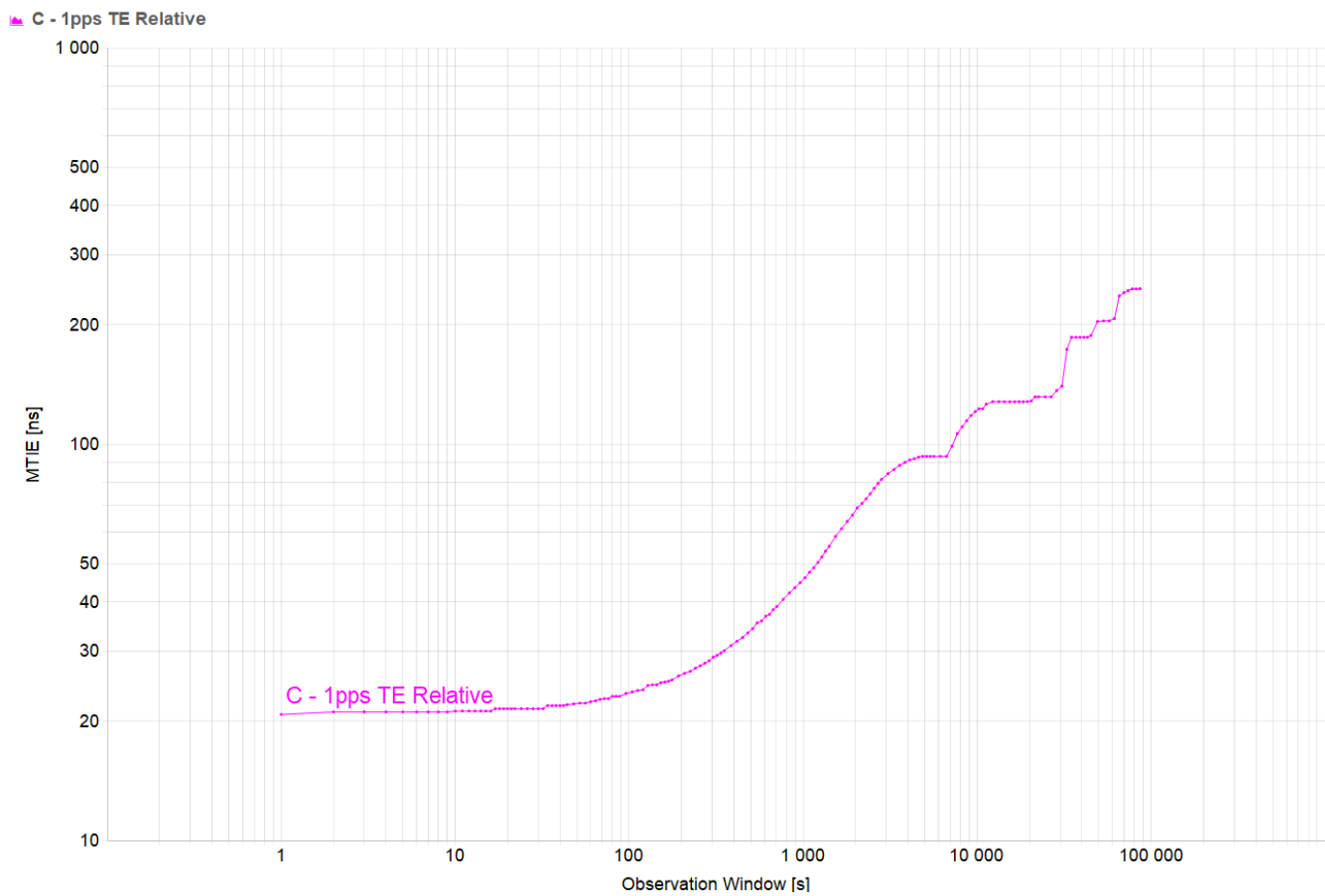
MTIE Analysis

Min	20.8 ns
Max	246.4 ns
Max-Min	225.6 ns

TDEV Analysis

C - 1pps TE Relative
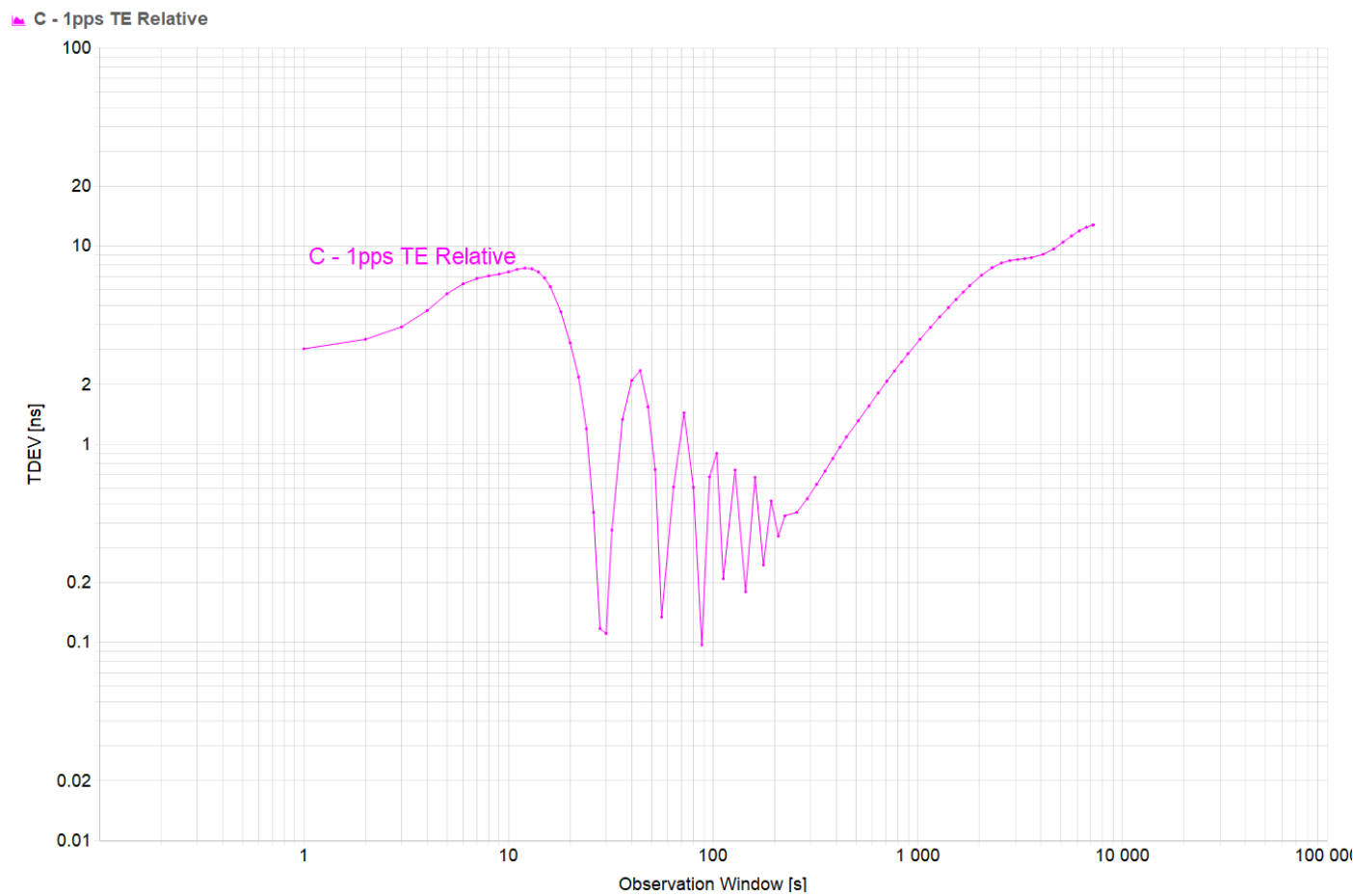
Min	0.097 ns
Max	12.781 ns
Max-Min	12.684 ns

Calnex

# clkFFO Analysis

Clock preset (N	Stratum 2 clock

C - 1pps TE Relative
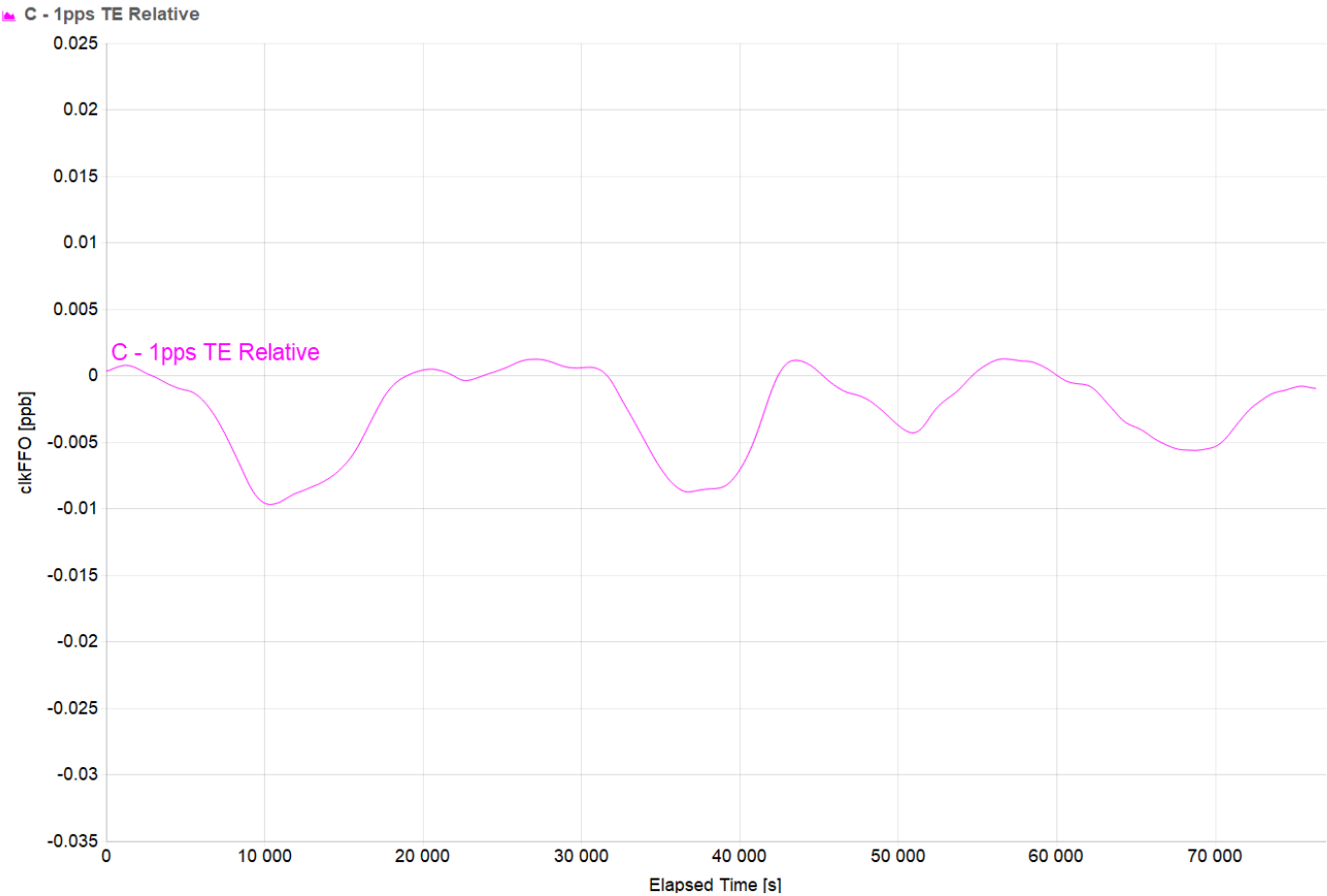
Mean	-0.003 ppb
Min	-0.01 ppb
Max	0.001 ppb
Max-Min	0.011 ppb

MTIE LF Analysis

C - 1pps TE Relative Dynamic MTIE LF
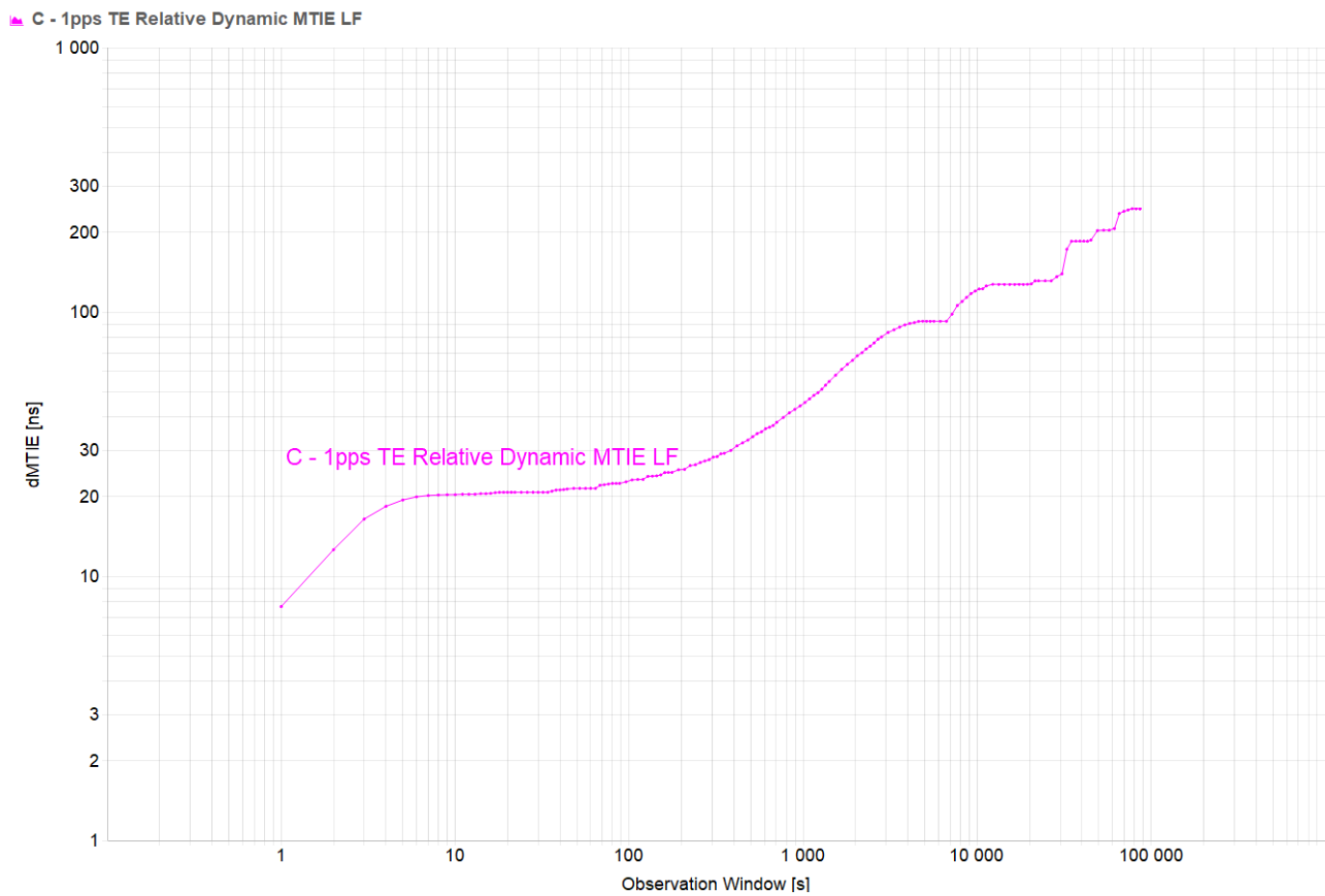
| Min	7.673 ns
Max	245.873 ns
Max-Min	238.2 ns

Calnex

TDEV LF Analysis

C - 1pps TE Relative Dynamic TDEV LF
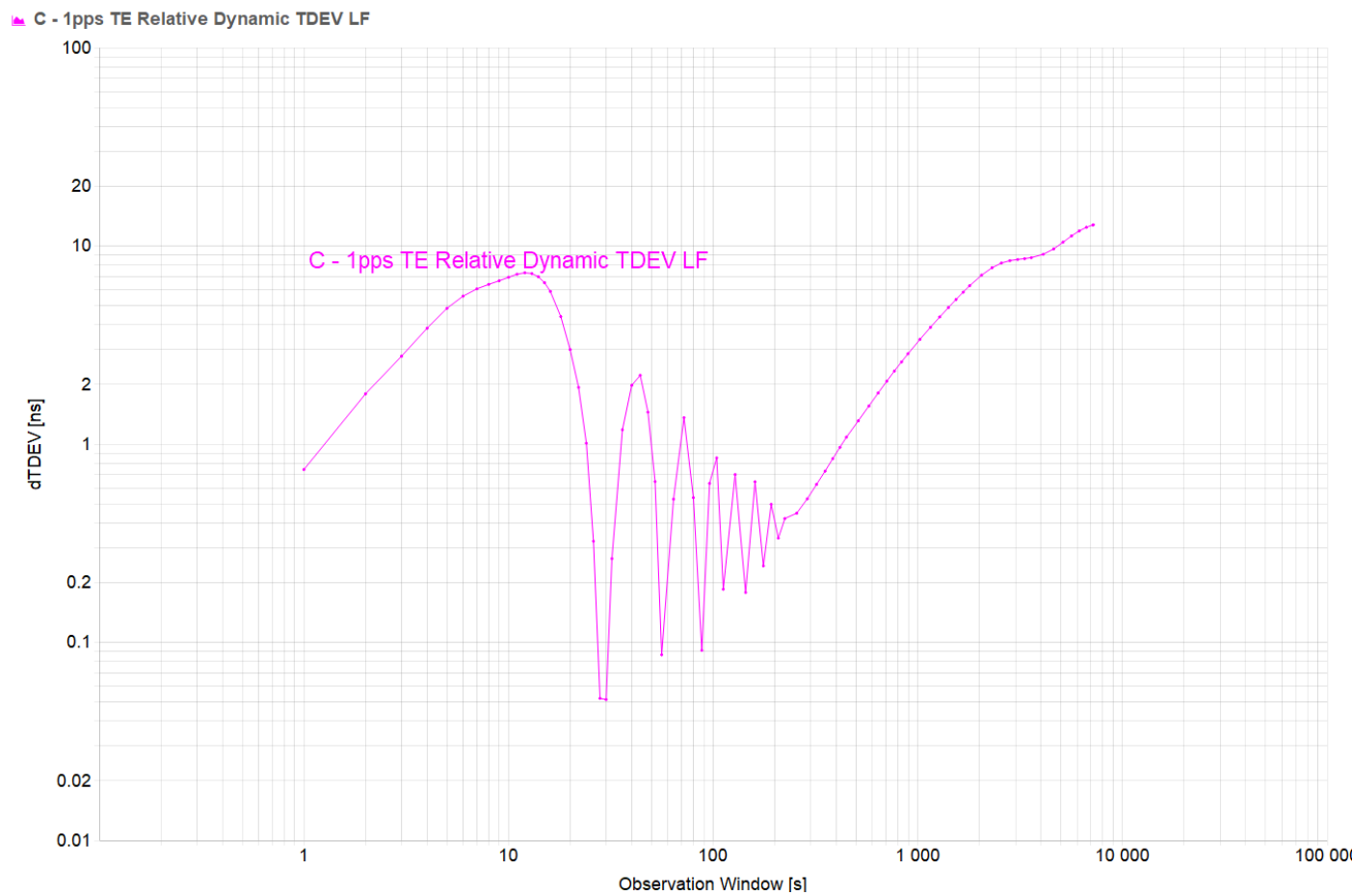
Min	0.051 ns
Max	12.779 ns
Max-Min	12.727 ns

Calnex