

Assignment Homework 2

1. Algorithm comparison

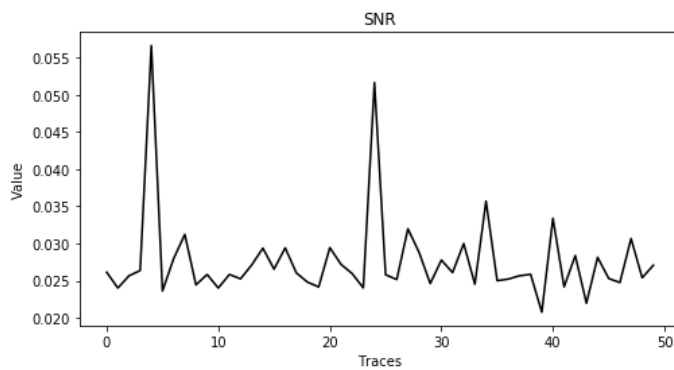
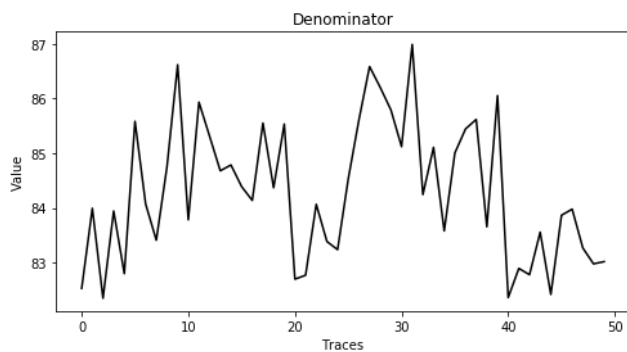
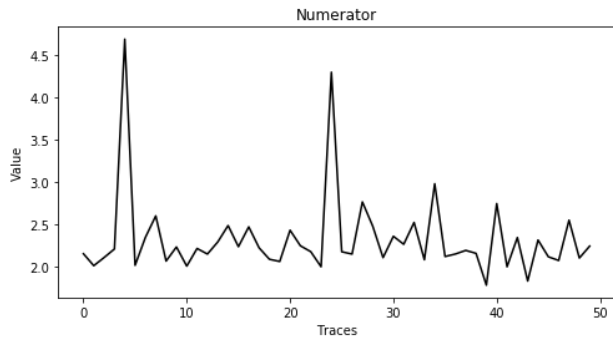
Variance = 1.7878604634731563

Mean = 133.700091185

One-pass algorithm - execution time in seconds: 518.1628551483154

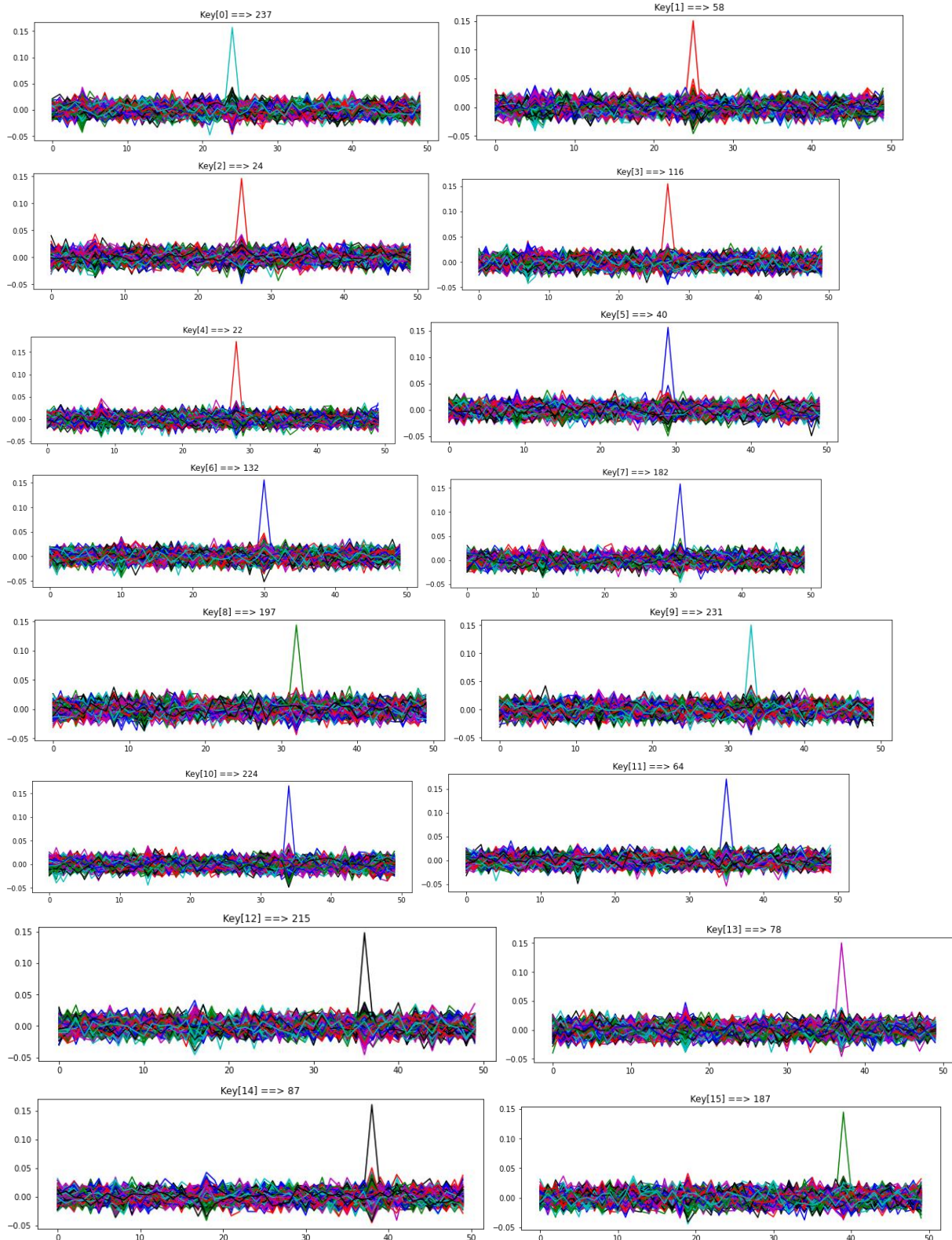
Algorithm	Execution Time
One-pass algorithm	8.636 Mins = 518.1628 secs
Naïve Approach	3.718 Mins = 223.1022secs
Welford's algorithm	10.244 Mins = 614.6626119613647 secs
Histogram method	3.047 Mins = 182.876secs

2. SNR for first byte



3. CPA

KEY = [237, 58, 24, 116, 22, 40, 132, 182, 231, 224, 64, 215, 78, 87, 187]



Total Time = 63.00952458381653