

# APPENDIX G

## NOISE TESTS

G.1 On-line re-sampling test on experiment no. 1, sensor no. 1 with 100 re-sampled mean value feature signals, SNR = 0 dB.

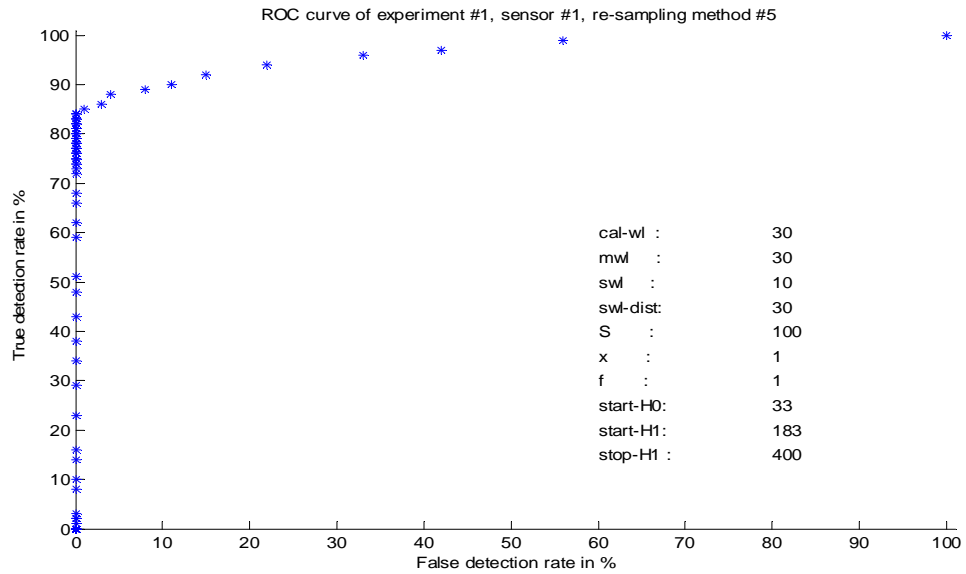


Figure G.1.1: The mean value decision function is activated, the deviation decision function is deactivated.

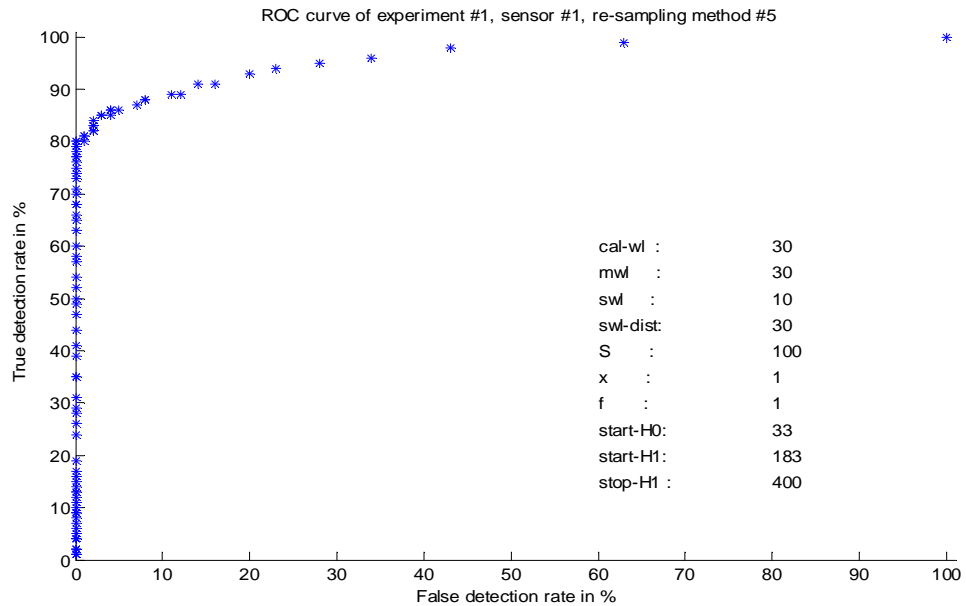


Figure G.1.2: The mean value decision function is deactivated, the deviation decision function is activated.

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G.2 On-line re-sampling test on experiment no. 1, sensor no. 1 with 100 re-sampled mean value feature signals, SNR = 20 dB.

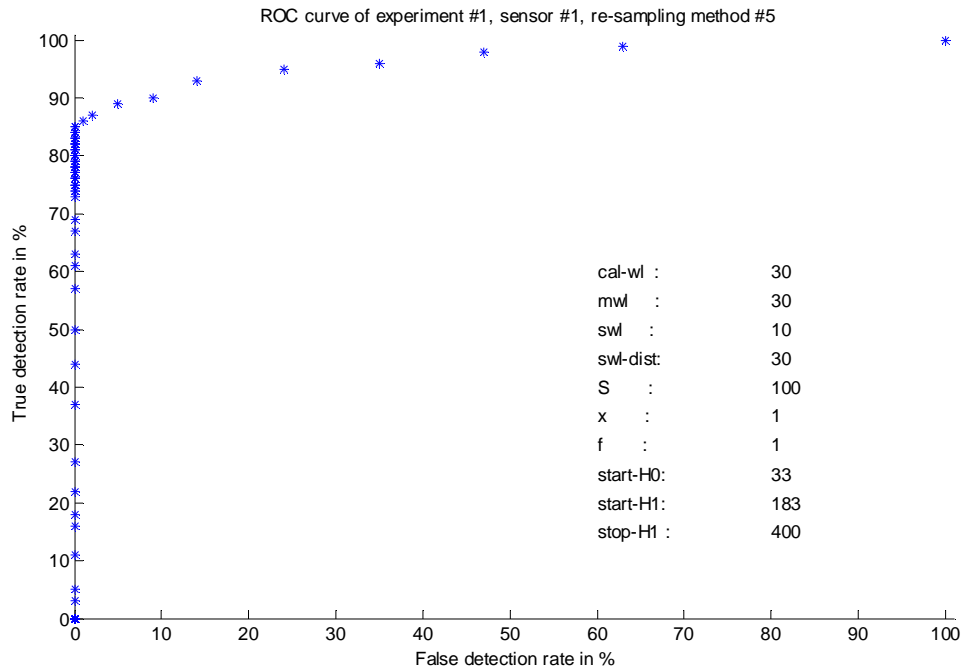


Figure G.2.1: The mean value decision function is activated, the deviation decision function is deactivated.

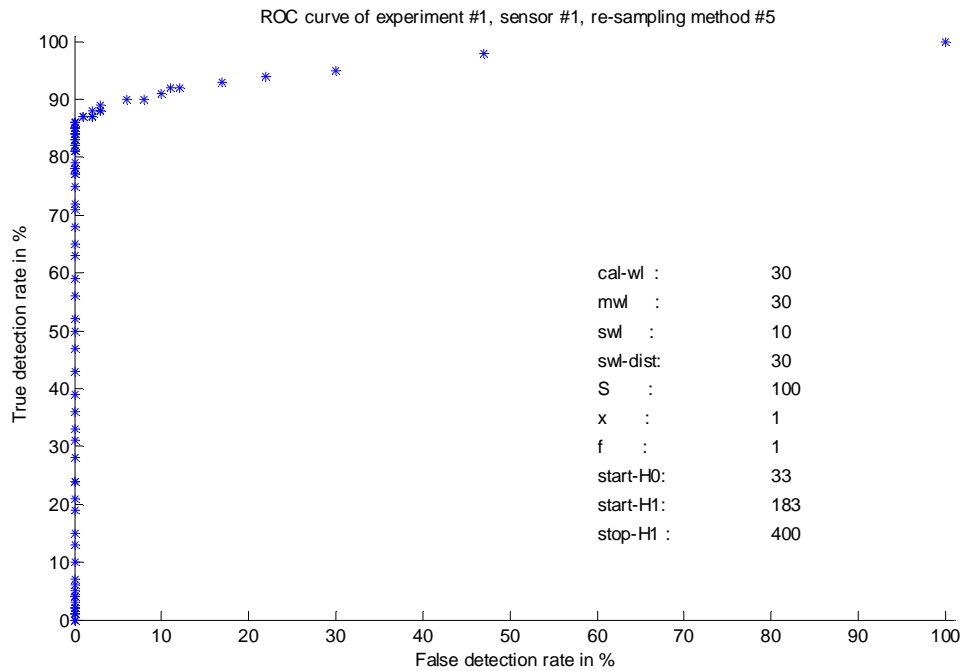


Figure G.2.2: The mean value decision function is deactivated, the deviation decision function is activated.

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G.3 On-line re-sampling test on experiment no. 1, sensor no. 1 with 100 re-sampled mean value feature signals, SNR = 40 dB.

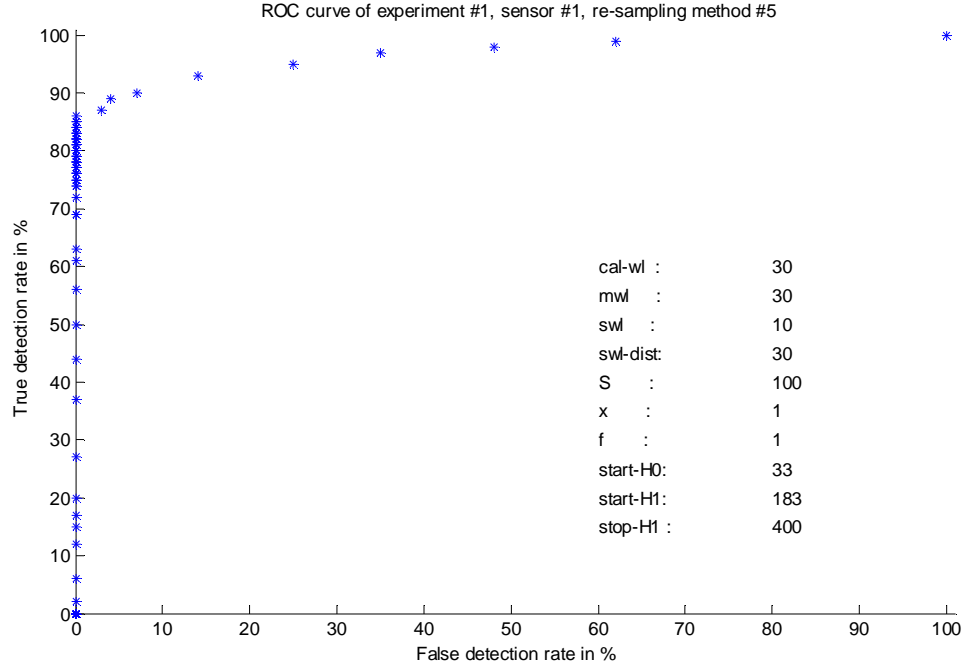


Figure G.3.1: The mean value decision function is activated, the deviation decision function is deactivated.

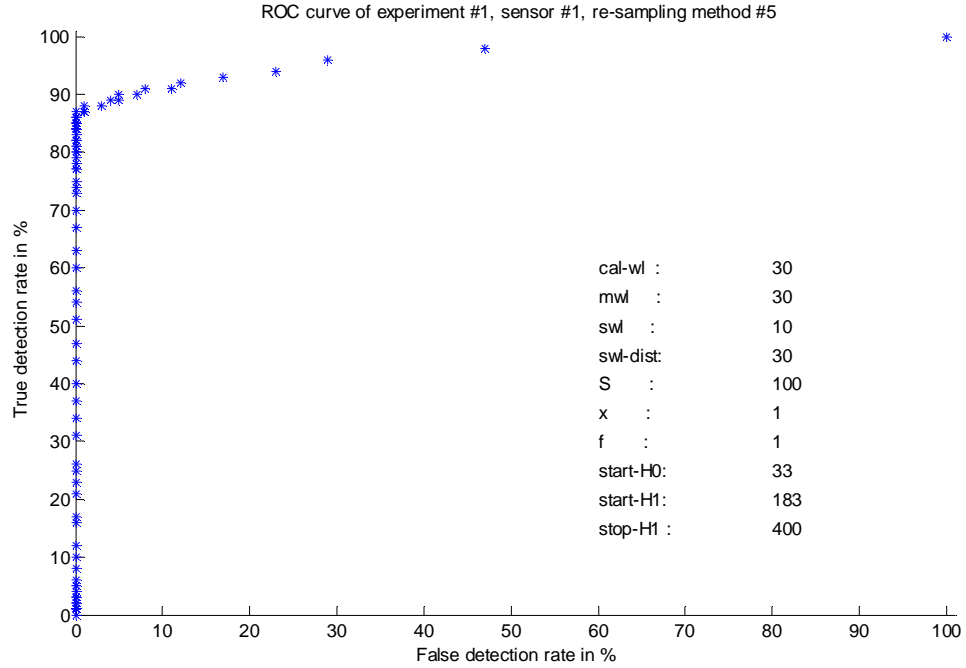


Figure G.3.2: The mean value decision function is deactivated, the deviation decision function is activated.

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G.4 Off-line hypothesis test on experiment no. 1, sensor no. 1. The mean value feature signal changes in both the mean value and the deviation. SNR = 0 dB.

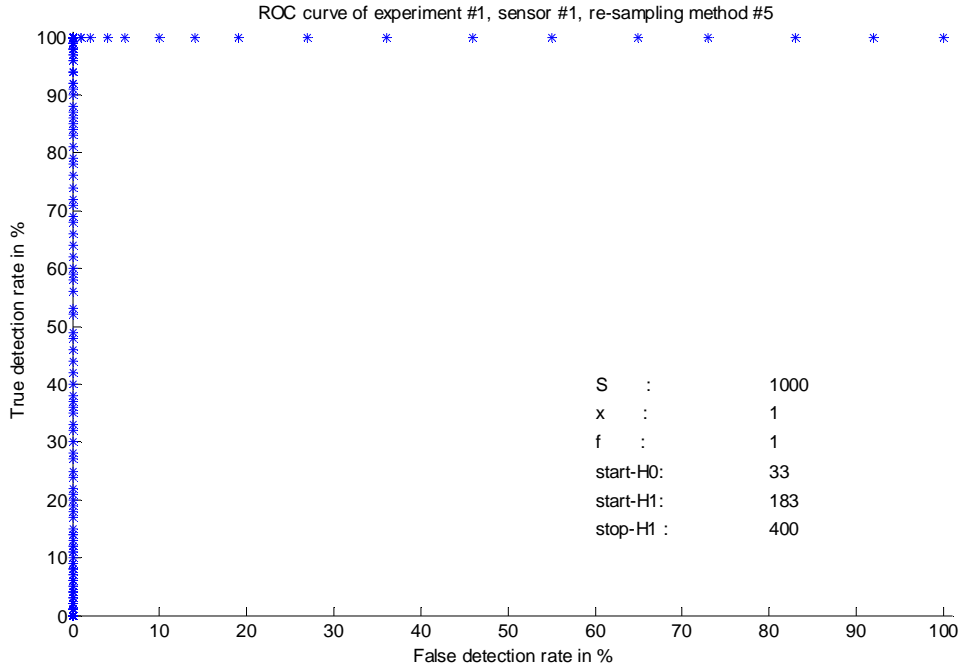


Figure G.4.1: Sweep of the critical value of the log-likelihood ratio when change in the mean value is assumed.

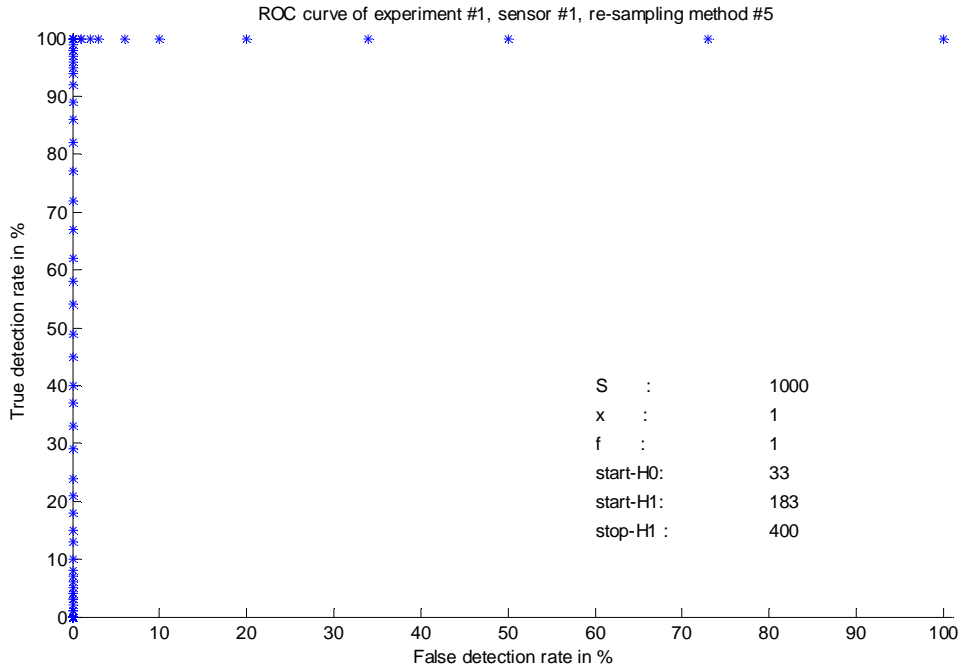


Figure G.4.2: Sweep of the critical value of the log-likelihood ratio when change in the deviation is assumed.

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G.5 Off-line hypothesis test on experiment no. 1, sensor no. 1. The mean value feature signal changes in both the mean value and the deviation. SNR = 20 dB.

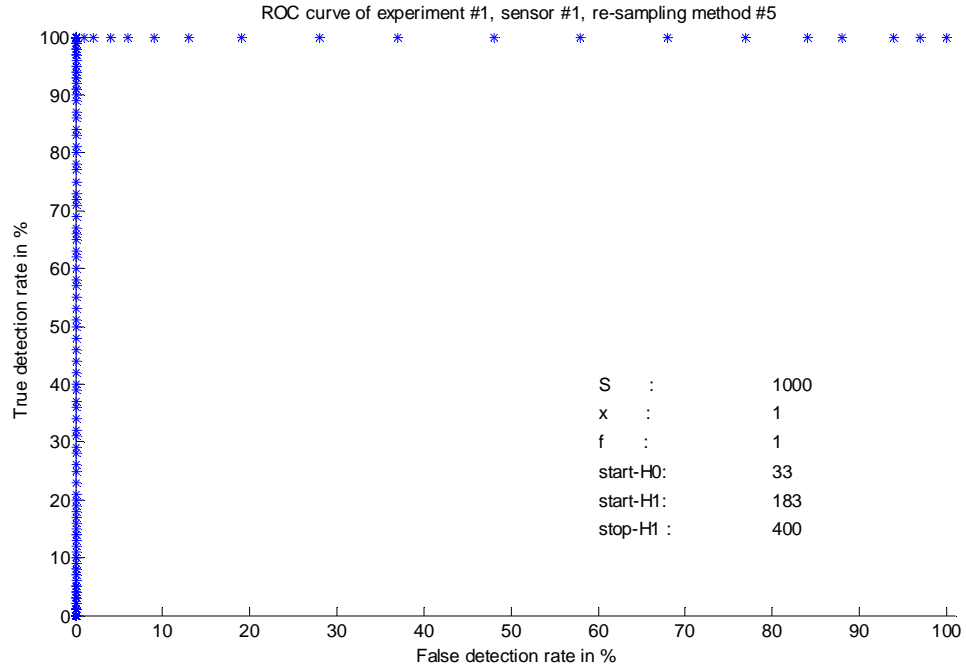


Figure G.5.1: Sweep of the critical value of the log-likelihood ratio when change in the mean value is assumed.

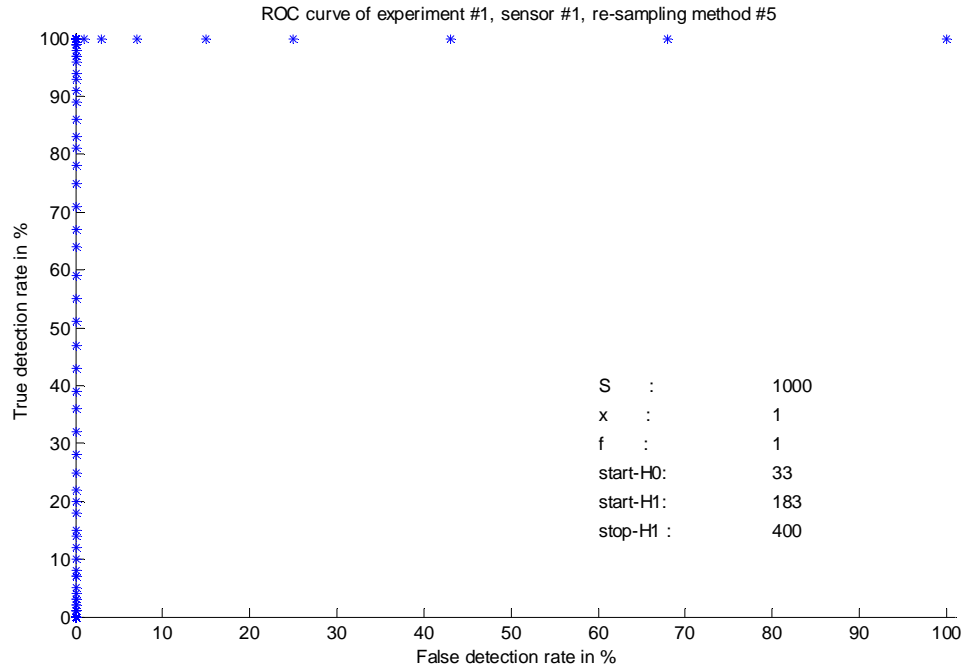


Figure G.5.2: Sweep of the critical value of the log-likelihood ratio when change in the deviation is assumed.

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G.6 Off-line hypothesis test on experiment no. 1, sensor no. 1. The mean value feature signal changes in both the mean value and the deviation. SNR = 40 dB.

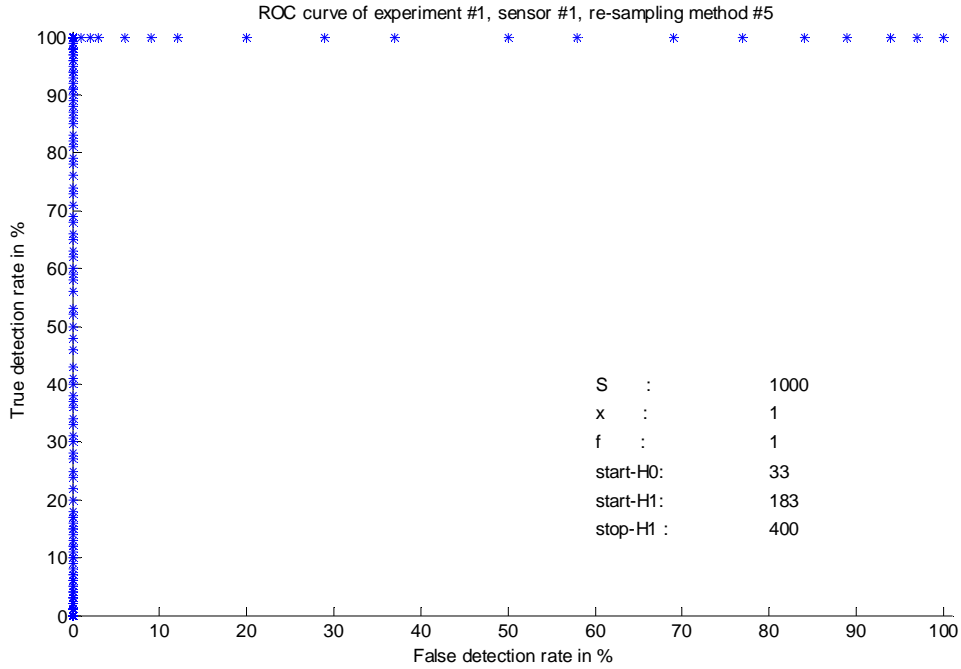


Figure G.6.1: Sweep of the critical value of the log-likelihood ratio when change in the mean value is assumed.

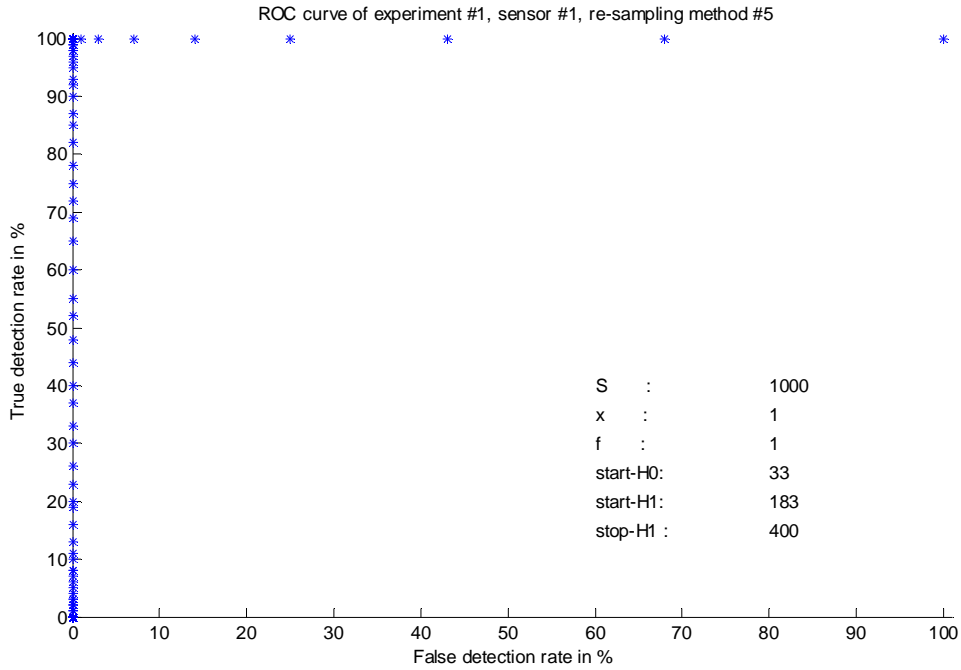
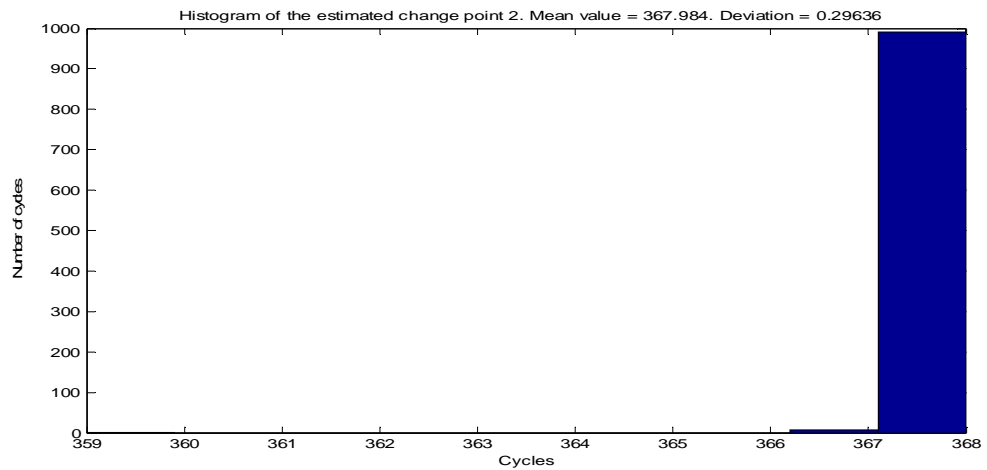
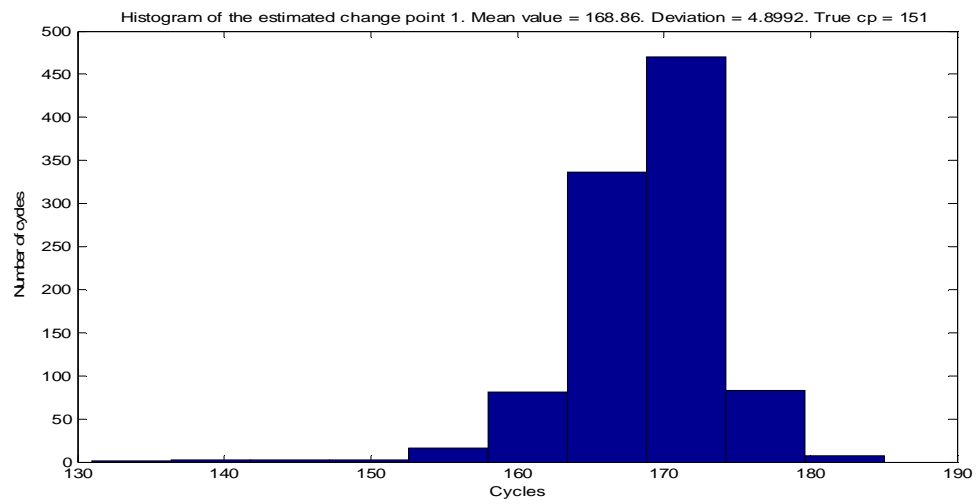
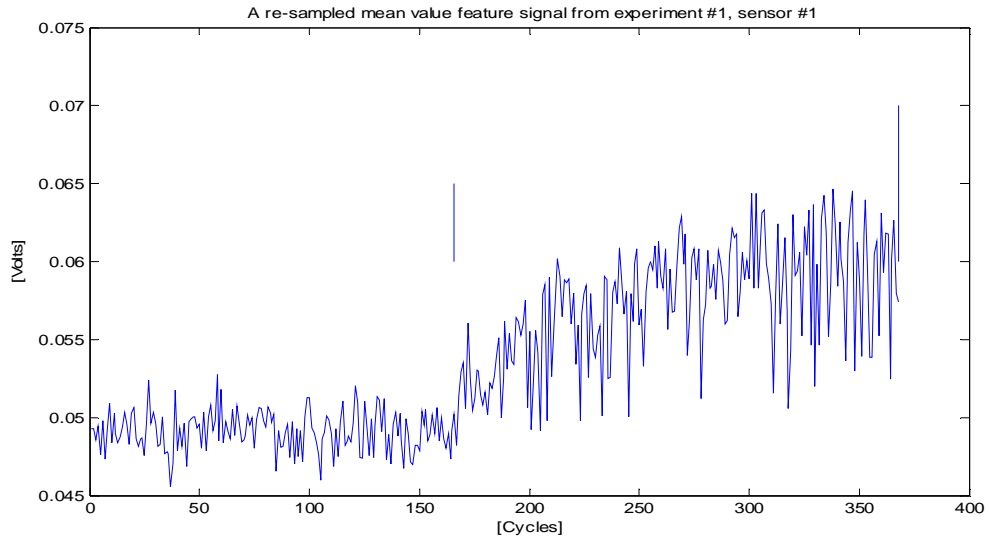


Figure G.6.2: Sweep of the critical value of the log-likelihood ratio when change in the deviation is assumed.

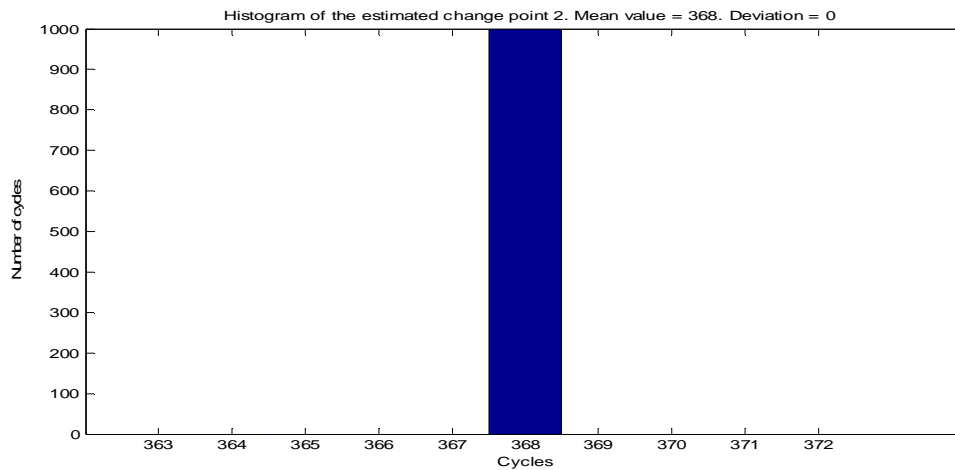
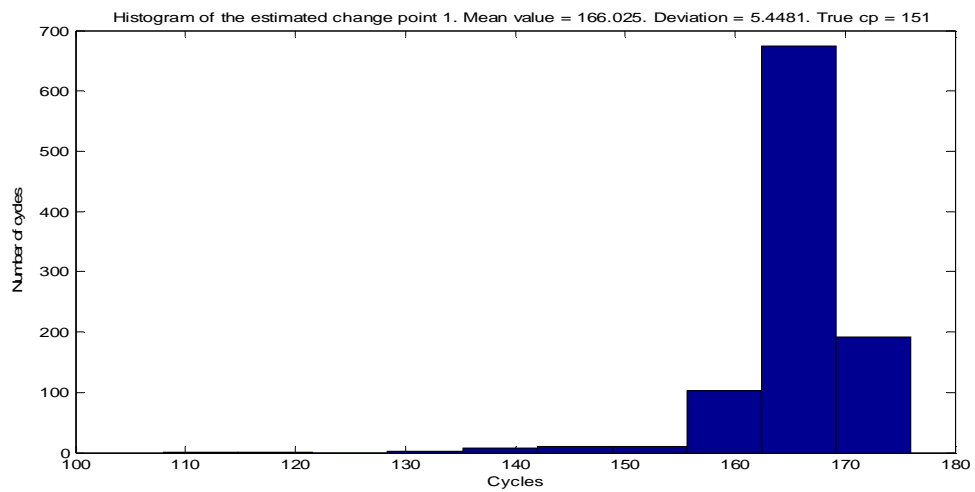
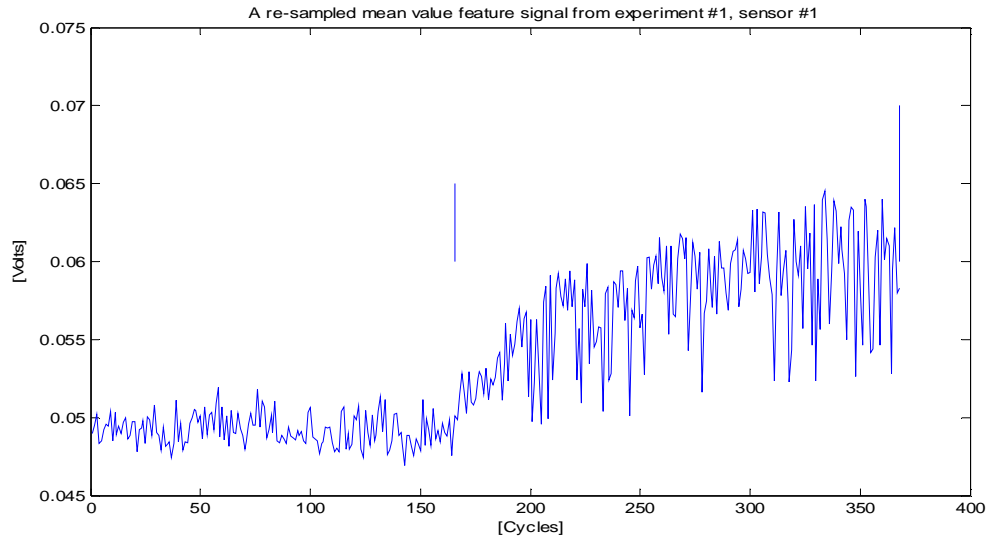
## Appendix G - Noise tests

G.7 Off-line change point estimation on experiment no. 1, sensor no. 1. Method no. 2 is applied on no. 1,000 re-sampled signals. SNR = 0 dB



## Appendix G - Noise tests

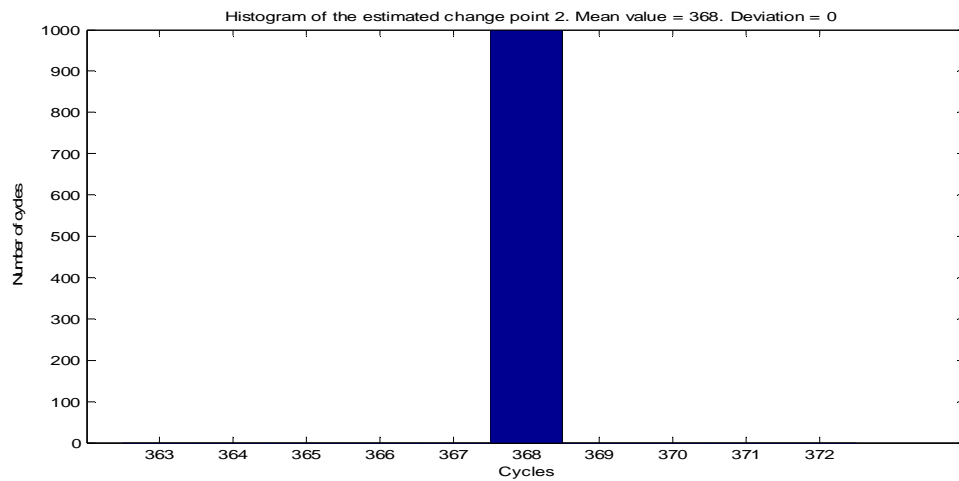
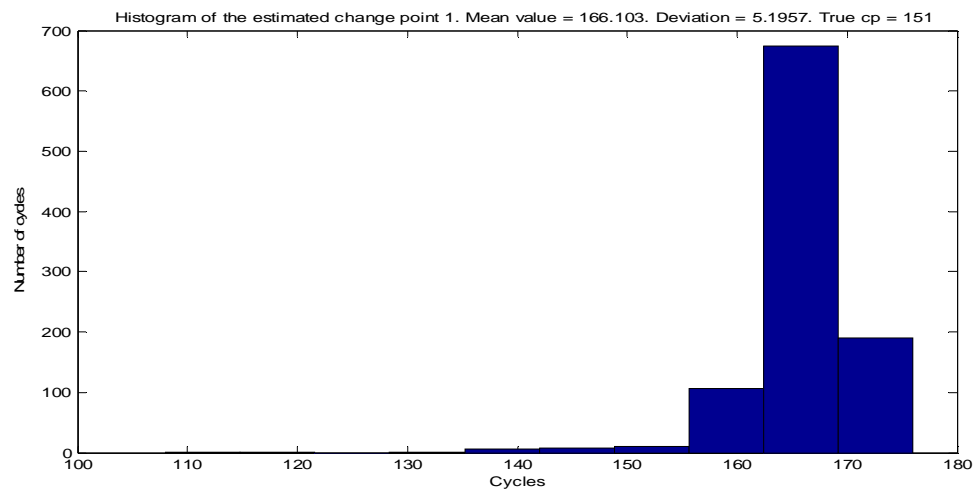
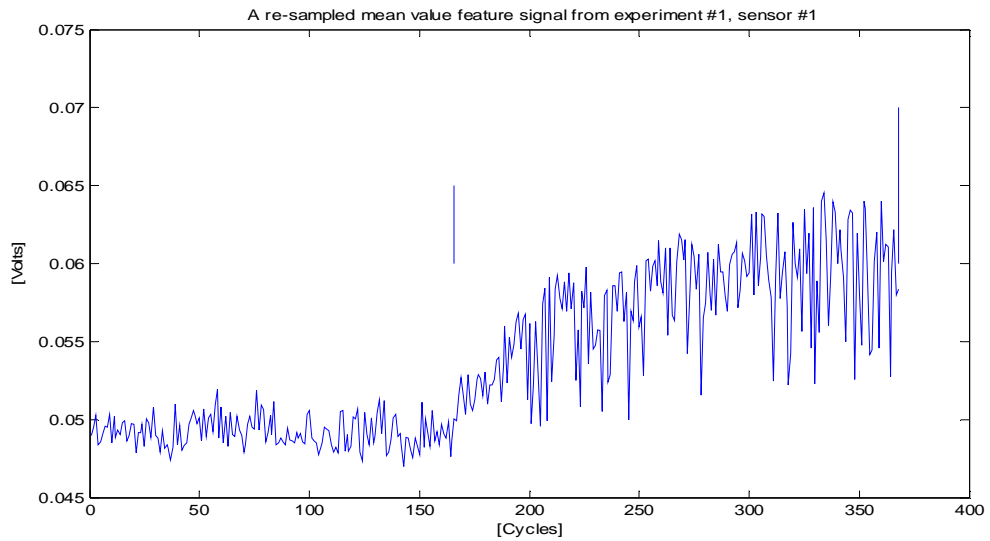
G.8 Off-line change point estimation on experiment no. 1, sensor no. 1. Method no. 2 is applied on no. 1,000 re-sampled signals. SNR = 20 dB.





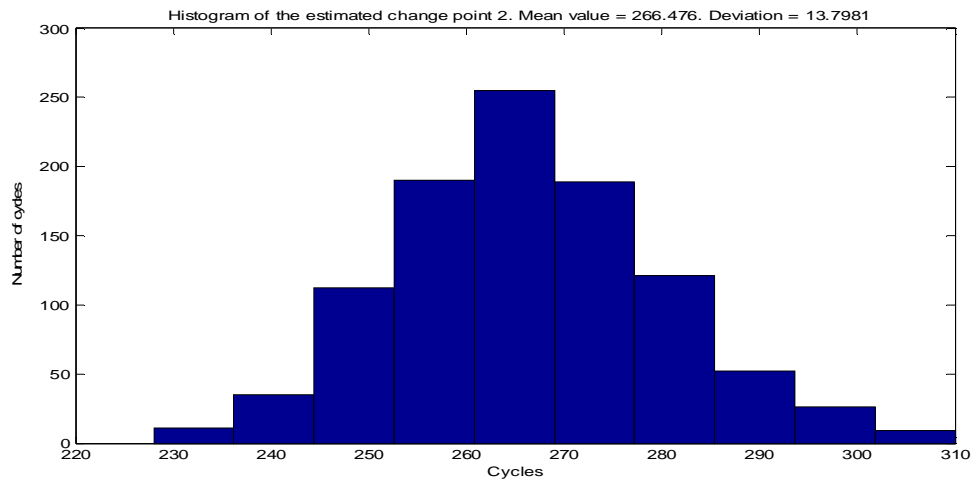
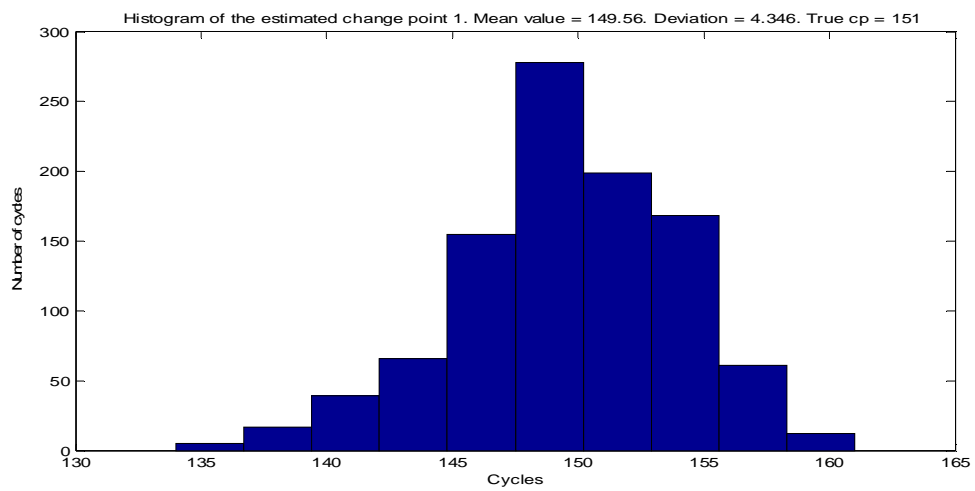
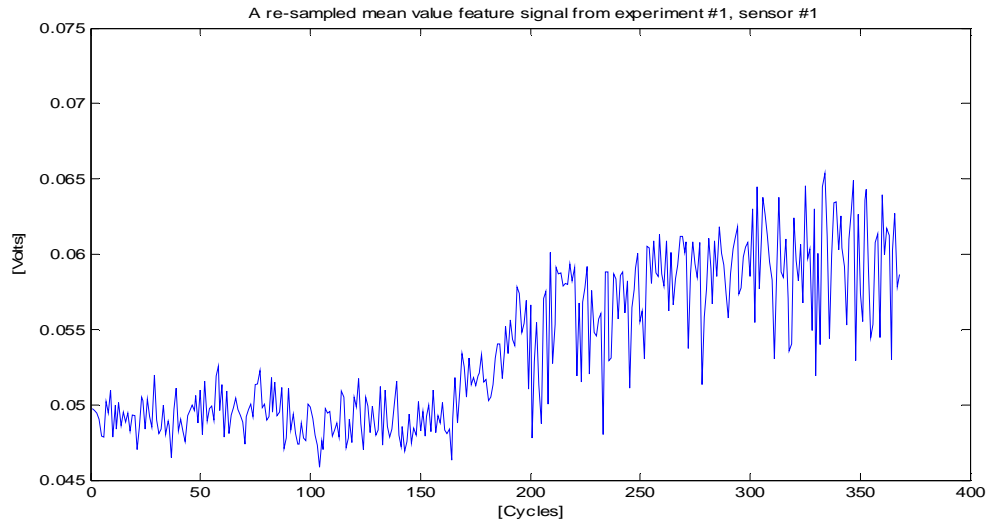
## Appendix G - Noise tests

G.9 Off-line change point estimation on experiment no. 1, sensor no. 1. Method no. 2 is applied on no. 1,000 re-sampled signals. SNR = 40 dB.



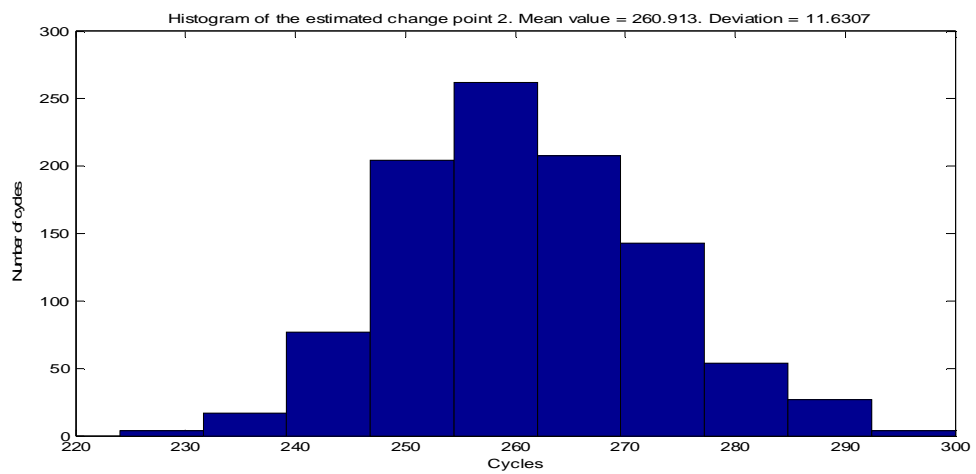
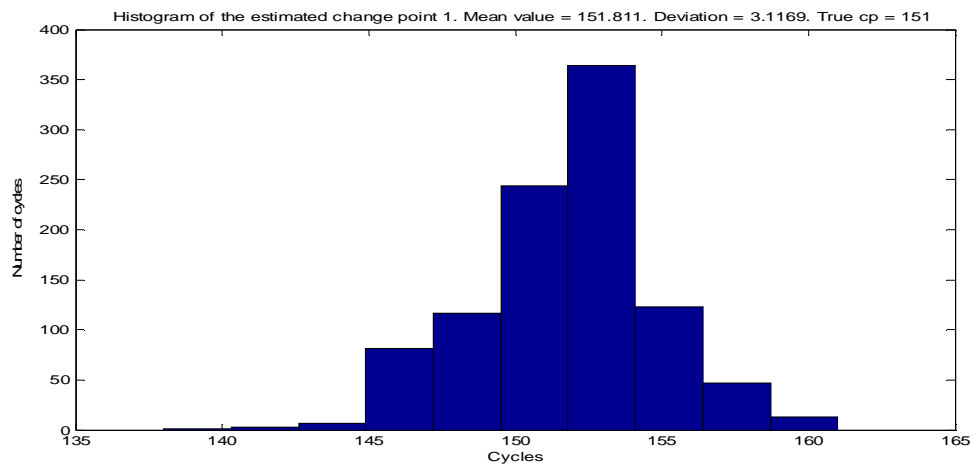
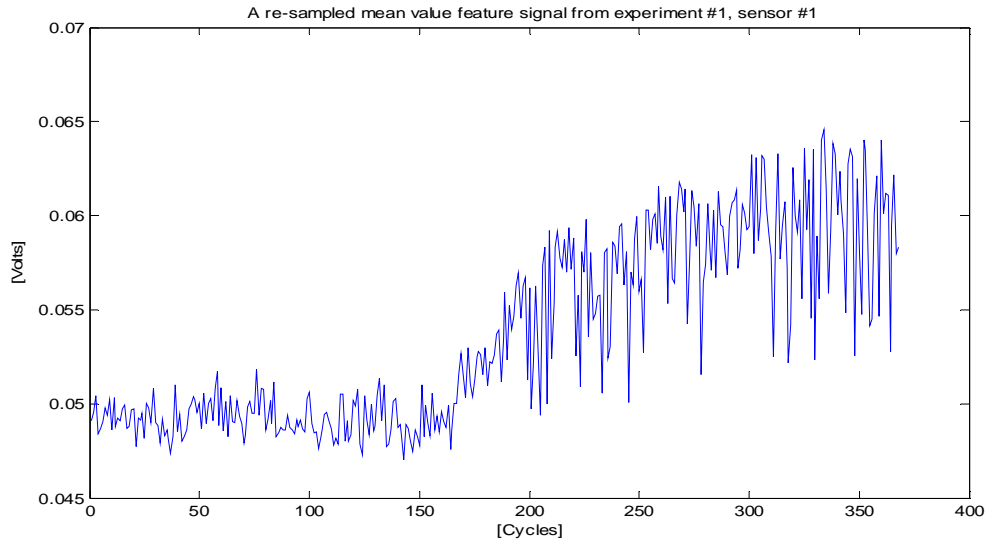
## Appendix G - Noise tests

G.10 Off-line change point estimation on experiment no. 1, sensor no. 1. Method no. 1 is applied on no. 1,000 re-sampled signals. SNR = 0 dB.



## Appendix G - Noise tests

G.11 Off-line change point estimation on experiment no. 1, sensor no. 1. Method no. 1 is applied on no. 1,000 re-sampled signals. SNR = 20 dB.



## Appendix G - Noise tests

G.12 Off-line change point estimation on experiment no. 1, sensor no. 1. Method no. 1 is applied on no. 1,000 re-sampled signals. SNR = 40 dB.

