

Figure 1: Raw Signal Data

1 Data

2 PCA

2.1 Truncated Transient, Waves as Samples

3 Factor Analysis

3.1 Truncated Transient, Waves as Samples

4 References

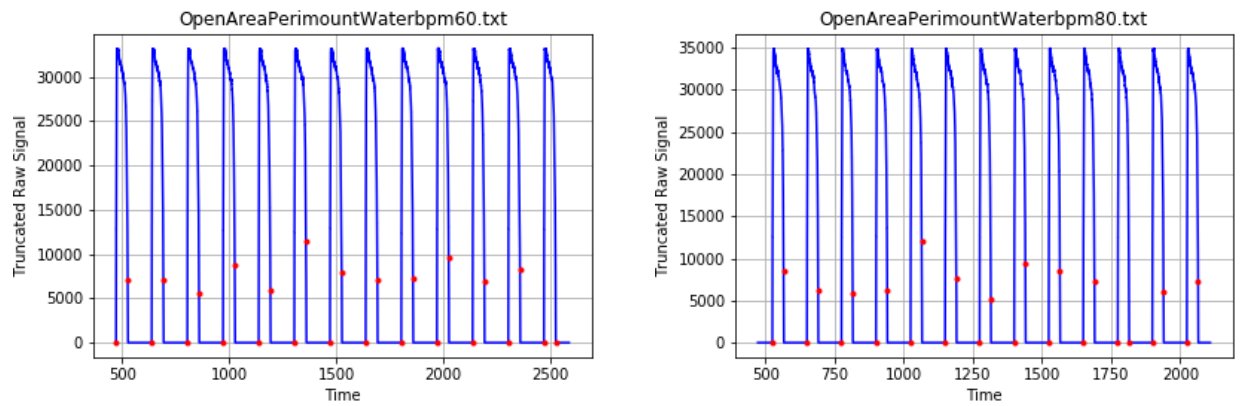


Figure 2: Truncated Raw Signal Data (aligned at red points)

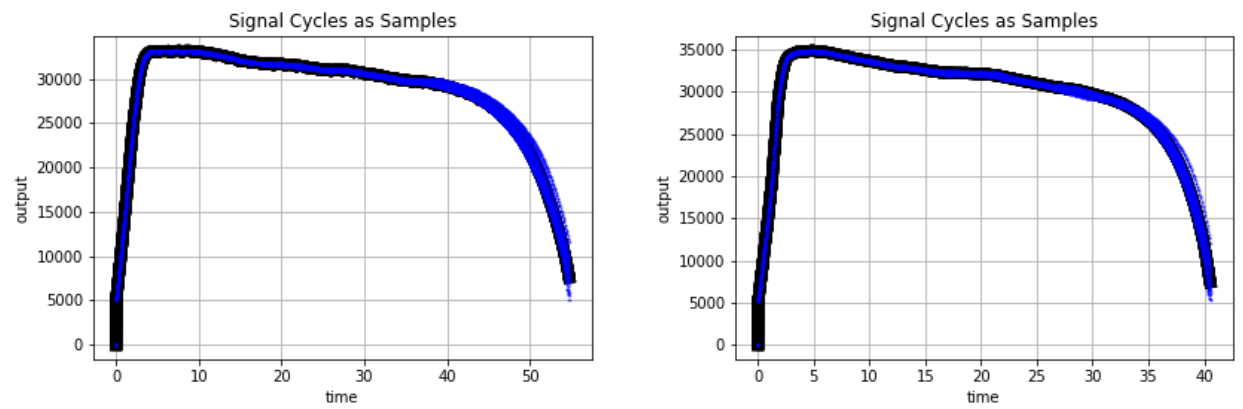


Figure 3: Signal Mean (black) from samples (blue)

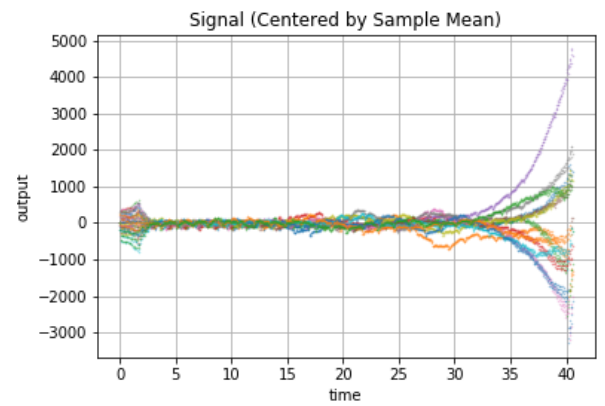
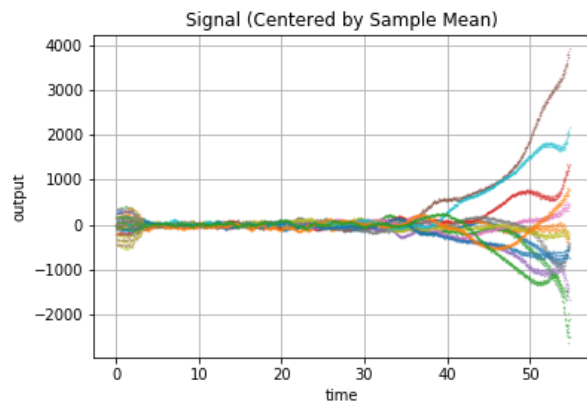


Figure 4: Centered Signals

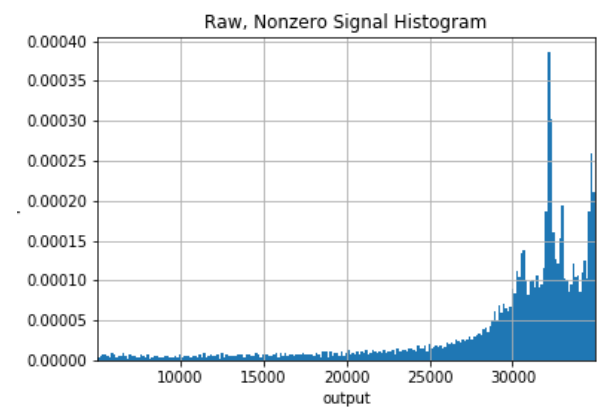
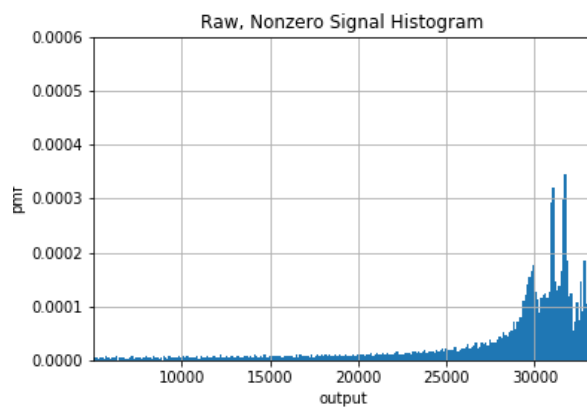


Figure 5:

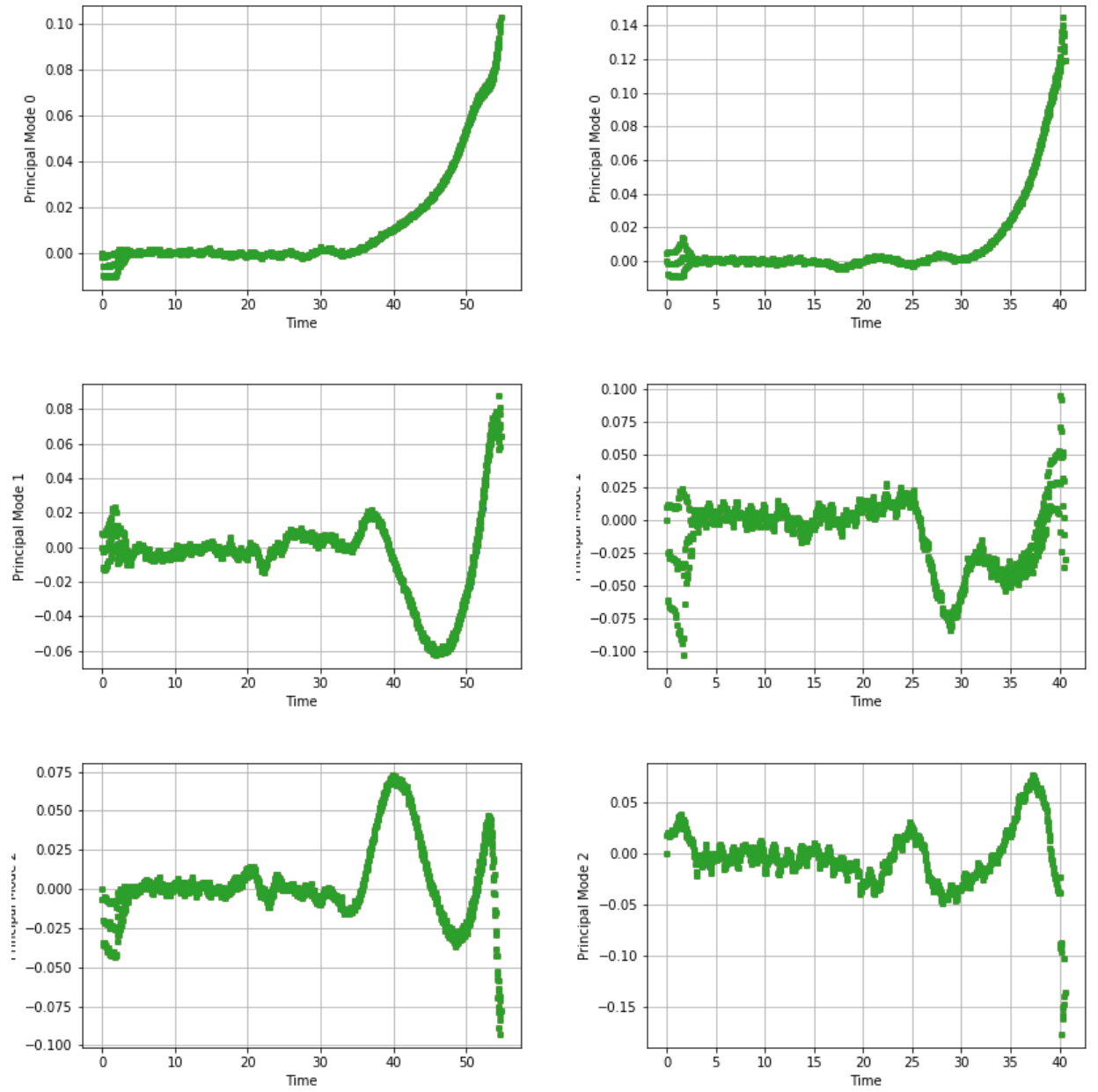


Figure 6: Principal Modes 1,2,3 (rows) for two datasets (columns)

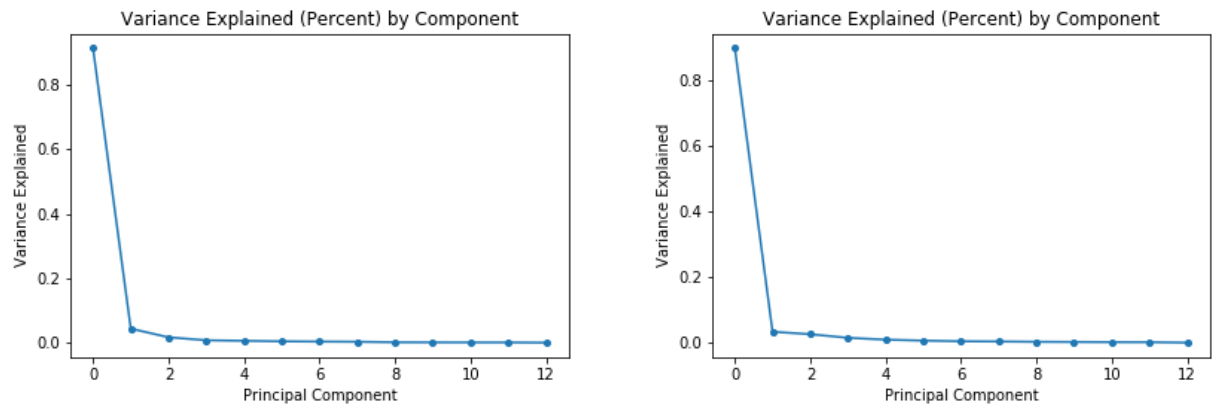


Figure 7: Explained Variance Ratio

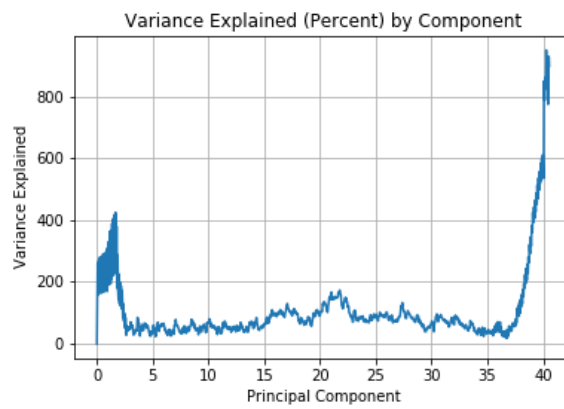


Figure 8: Factor Analysis time-dependent noise variance (red and green) by

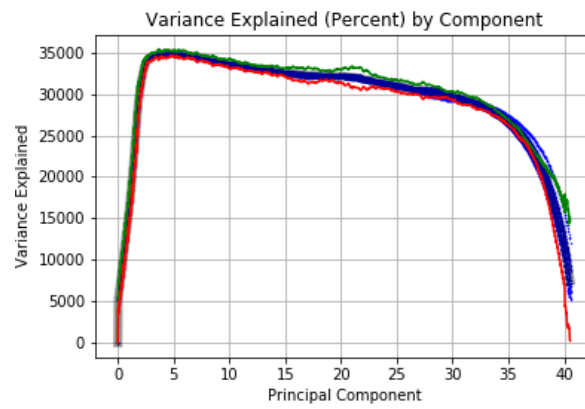


Figure 9: Factor Analysis procures Bounds by determined time-dependent noise variance (red and green) by