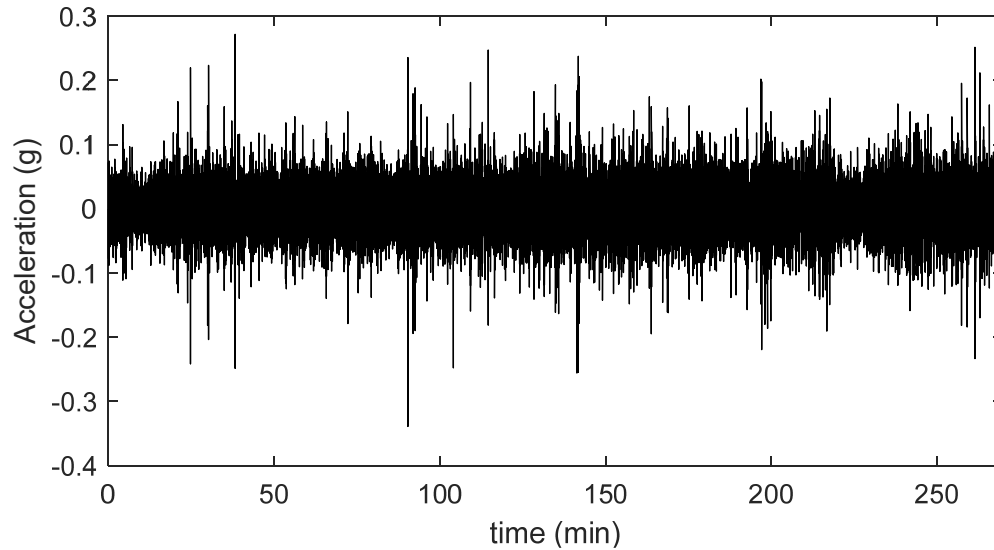
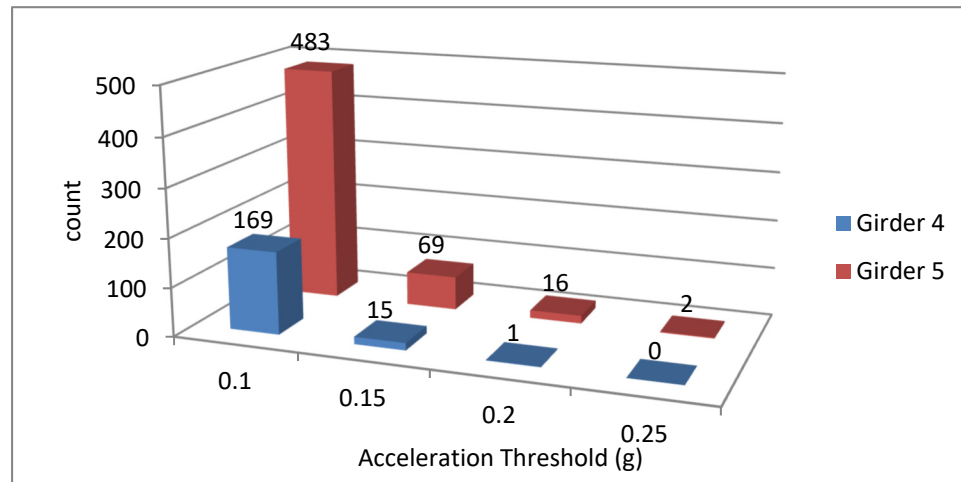


g. The time-history of acceleration over a 4.5-hour period with the same filter applied is shown below for girder 5 at midspan.



**Figure 1.6.9: Filtered Acceleration Time History for Girder 5 at the Middle of Span 7**

Over this period, multiple high acceleration events were recorded. The count of events that exceeded various thresholds are provided in the following plot.



**Figure 1.6.10: Count of Acceleration Exceedance Events over 4.5 Hours**

Further characterization of the acceleration data may be performed with spectral analysis whereby the frequency content of the data is determined. The power spectral density (PSD) of