

Transitions in Z – Extended Exposure

7.1.7.1 Transition directly from negative (eyes up) limits to positive (eyes down) limits is restricted. If Patrons are exposed to a negative Gz environment for more than 3 s, then the limits are reduced as shown in the +Gz limit chart for 6 s after the transition to positive Gz. After the 6 s period, the limits may be increased to the normal chart levels.

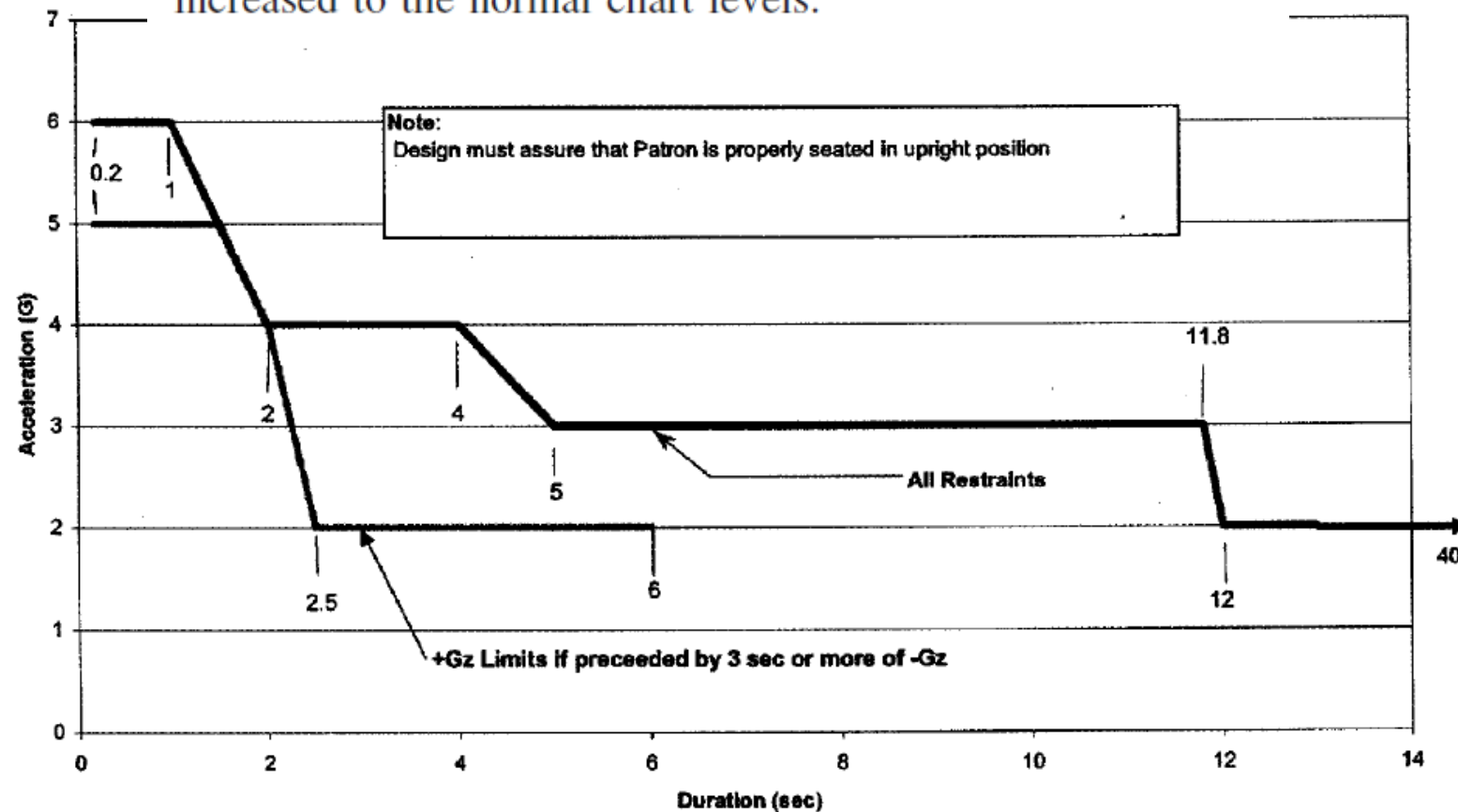
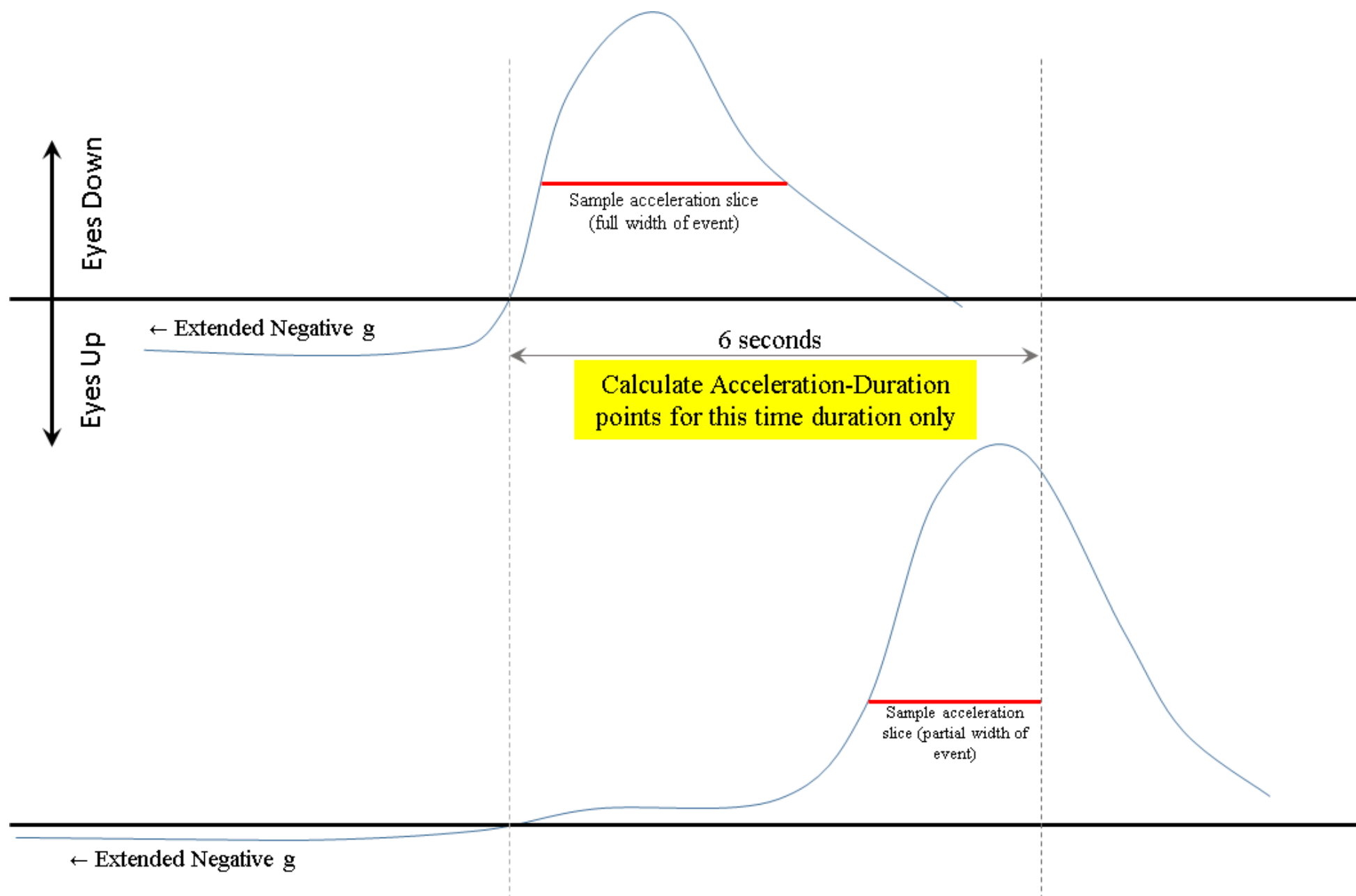
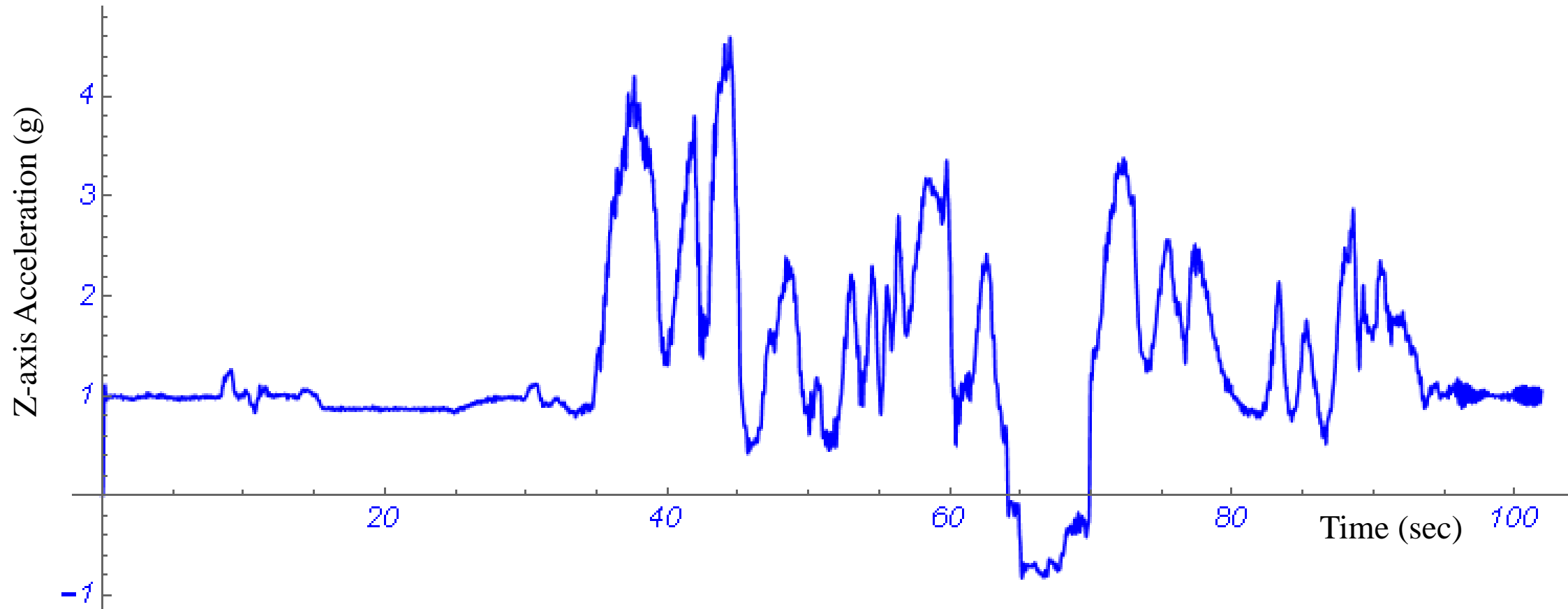


FIG. 10 Acceleration-Duration Limits for +Gz (Eyes Down)



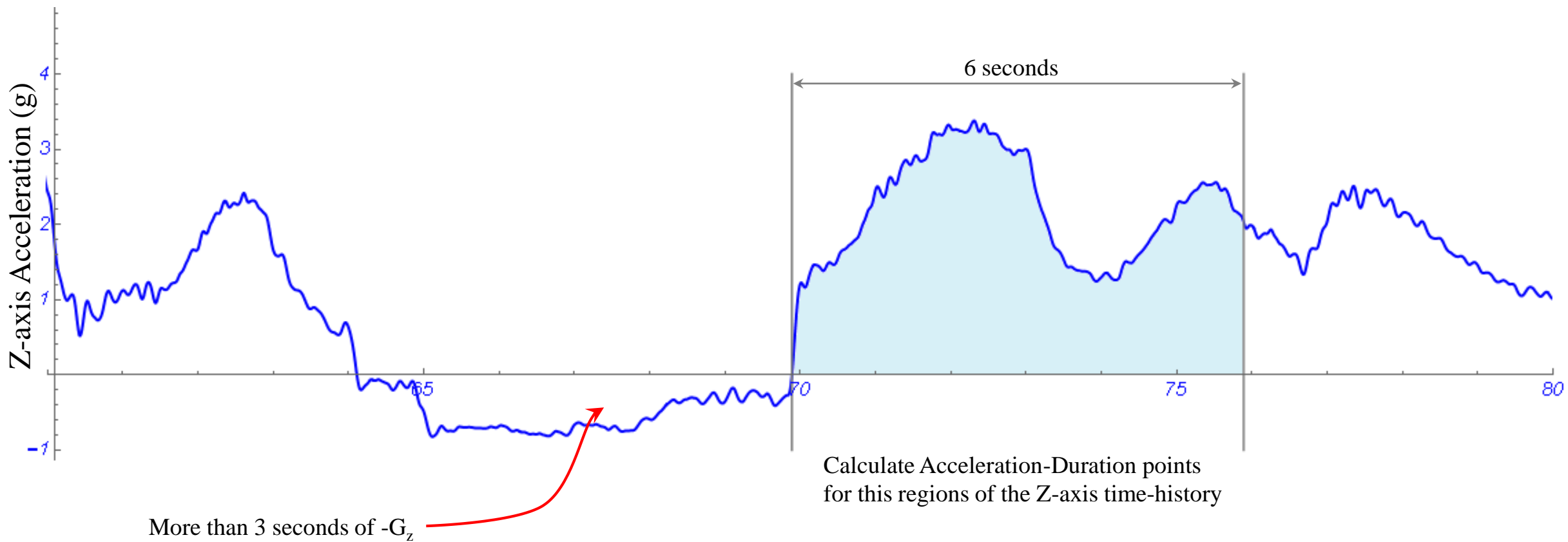
ASTM_Transitions_Z_Extended_justPasses

Data filtered using a 5.0Hz Butterworth Lowpass 4-pole filter, specifically the Matlab "filter" function

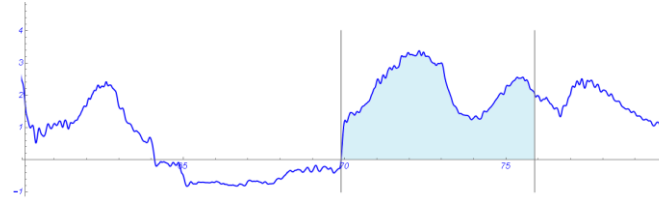


ASTM_Transitions_Z_Extended_justPasses

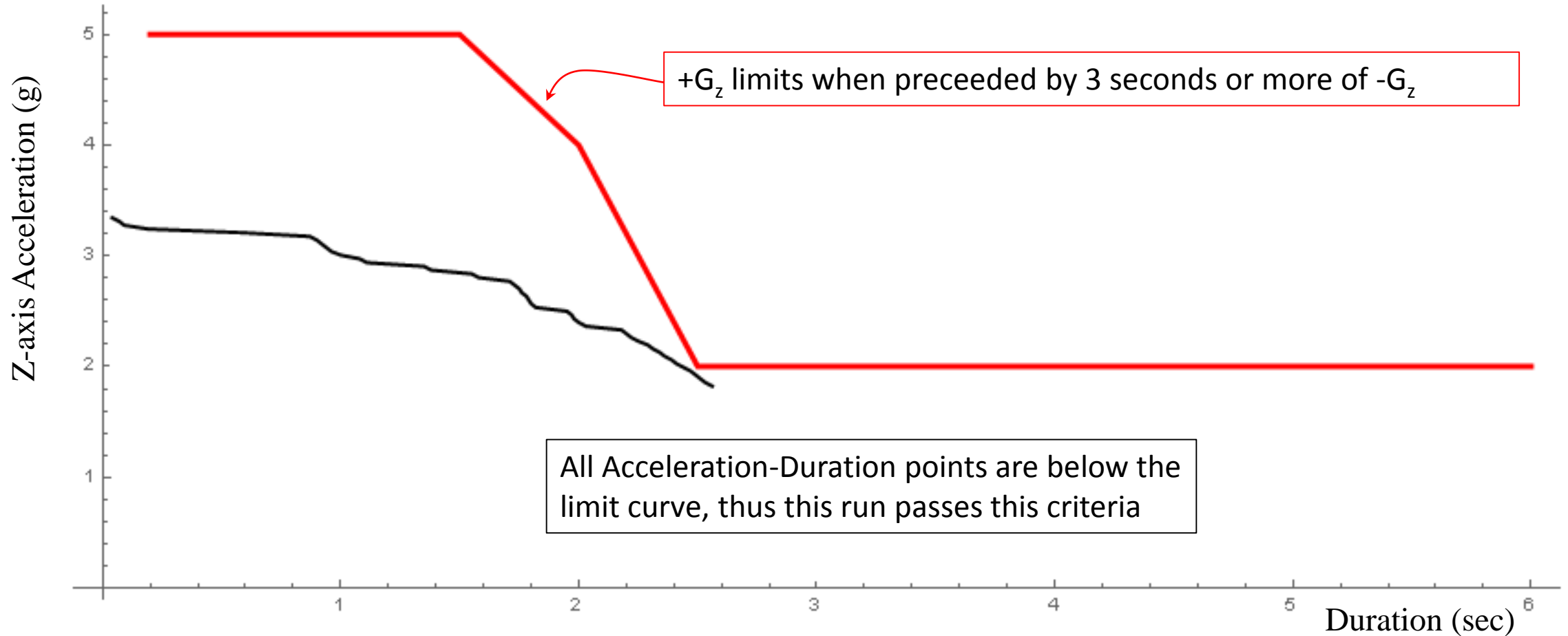
Data filtered using a 5.0Hz Butterworth Lowpass 4-pole filter, specifically the Matlab "filter" function



ASTM_Transitions_Z_Extended_justPasses

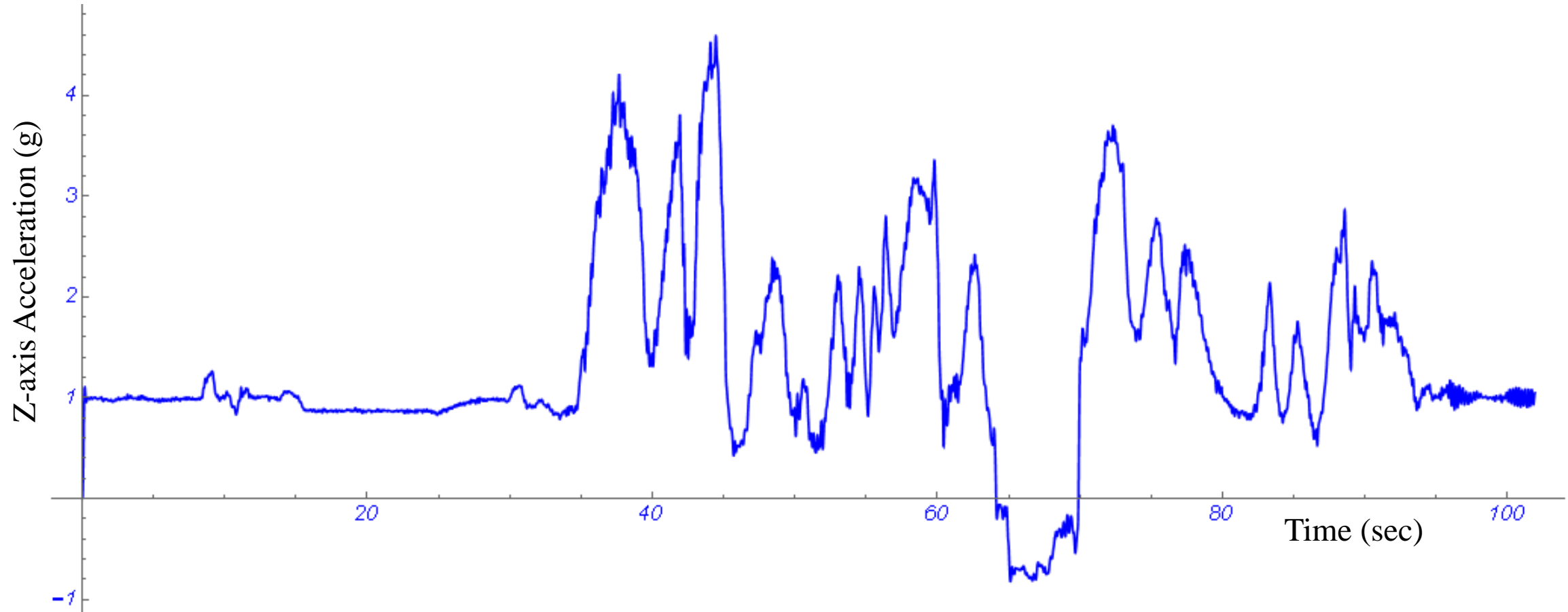


Data filtered using a 5.0Hz Butterworth Lowpass 4-pole filter, specifically the Matlab "filter" function



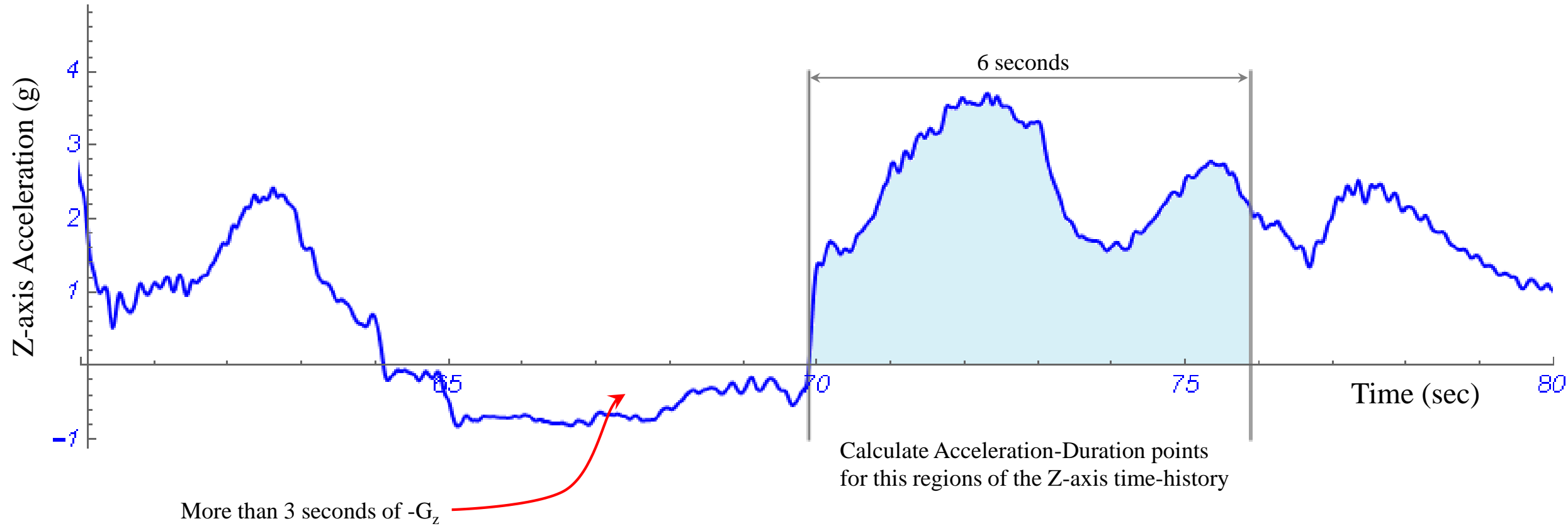
ASTM_Transitions_Z_Extended_justFails

Data filtered using a 5.0Hz Butterworth Lowpass 4-pole filter, specifically the Matlab "filter" function



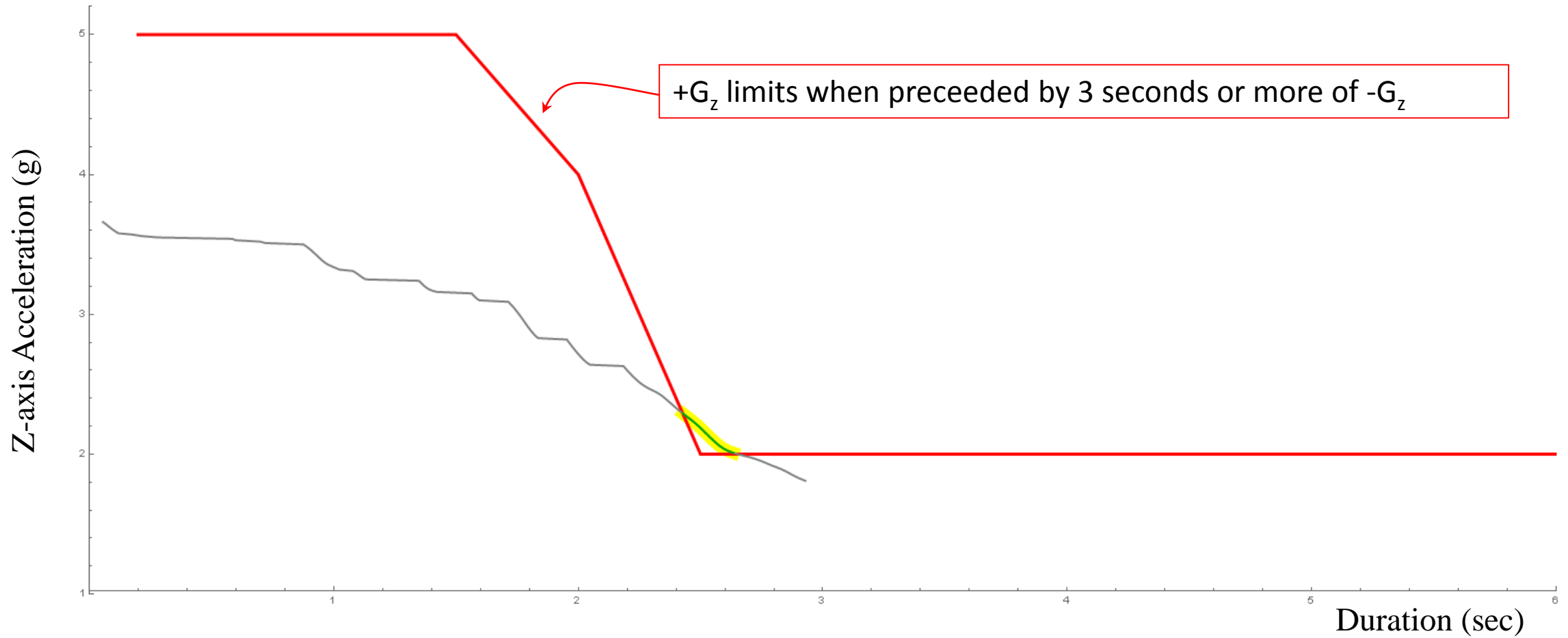
ASTM_Transitions_Z_Extended_justFails

Data filtered using a 5.0Hz Butterworth Lowpass 4-pole filter, specifically the Matlab "filter" function



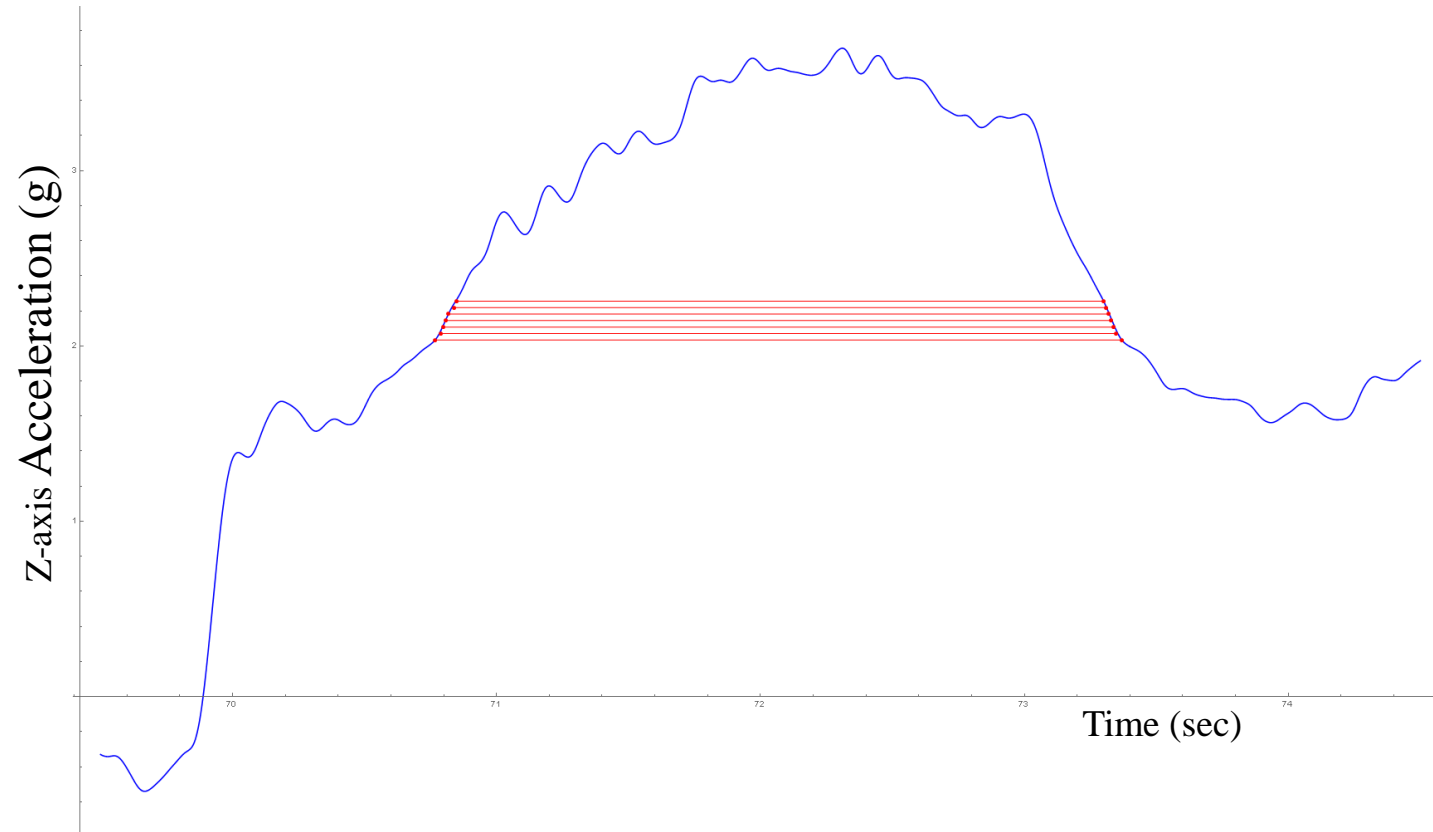
ASTM_Transitions_Z_Extended_justFails

Data filtered using a 5.0Hz Butterworth Lowpass 4-pole filter, specifically the Matlab "filter" function



ASTM_Transitions_Z_Extended_justFails

Data filtered using a 5.0Hz Butterworth Lowpass 4-pole filter, specifically the Matlab “filter” function



Slice Start (sec)	Slice End (sec)	Duration (sec)	Acceleration (g)
70.7509	73.3853	2.63	2.01
70.7587	73.3771	2.62	2.02
70.7654	73.3708	2.61	2.03
70.7708	73.3657	2.59	2.04
70.7755	73.3614	2.59	2.05
70.7798	73.3575	2.58	2.06
70.7833	73.354	2.57	2.07
70.7868	73.3509	2.56	2.08
70.79	73.3478	2.56	2.09
70.7931	73.3447	2.55	2.1
70.7962	73.3415	2.55	2.11
70.7993	73.3388	2.54	2.12
70.8025	73.3361	2.53	2.13
70.8052	73.3333	2.53	2.14
70.8083	73.3302	2.52	2.15
70.8114	73.3275	2.52	2.16
70.8142	73.3247	2.51	2.17
70.8173	73.322	2.5	2.18
70.8204	73.3193	2.5	2.19
70.8239	73.3165	2.49	2.2
70.8275	73.3134	2.49	2.21
70.831	73.3107	2.48	2.22
70.8349	73.3075	2.47	2.23
70.8388	73.3048	2.47	2.24
70.8431	73.3017	2.46	2.25
70.8474	73.2982	2.45	2.26
70.8517	73.295	2.44	2.27
70.8556	73.2915	2.44	2.28
70.8595	73.288	2.43	2.29