

Clinton (40.17° N, 88.83° E), Control Point Hazard

SA (g)	AFE 0.5 Hz	AFE 1 Hz	AFE 2.5 Hz	AFE 5 Hz	AFE 10 Hz	AFE 25 Hz	AFE 100 Hz
0.001000	1.037661e-02	1.999463e-02	3.214962e-02	3.446623e-02	3.489355e-02	3.443480e-02	3.193361e-02
0.001122	1.037661e-02	1.999463e-02	3.214962e-02	3.446612e-02	3.489355e-02	3.443480e-02	3.193361e-02
0.001259	1.035547e-02	1.999462e-02	3.214962e-02	3.446570e-02	3.489355e-02	3.443480e-02	3.193361e-02
0.001413	1.014117e-02	1.999442e-02	3.214959e-02	3.446439e-02	3.489355e-02	3.443480e-02	3.193361e-02
0.001585	9.799932e-03	1.998917e-02	3.214914e-02	3.446081e-02	3.489351e-02	3.443468e-02	3.193361e-02
0.001778	9.324572e-03	1.993846e-02	3.214413e-02	3.445215e-02	3.489220e-02	3.443018e-02	3.193350e-02
0.001995	8.800006e-03	1.973829e-02	3.210413e-02	3.443337e-02	3.487776e-02	3.437596e-02	3.192862e-02
0.002239	8.219640e-03	1.932168e-02	3.191400e-02	3.439519e-02	3.479769e-02	3.416049e-02	3.186297e-02
0.002512	7.625707e-03	1.867391e-02	3.142536e-02	3.431996e-02	3.457368e-02	3.378890e-02	3.154174e-02
0.002818	7.063806e-03	1.779503e-02	3.067292e-02	3.417781e-02	3.424921e-02	3.333773e-02	3.084992e-02
0.003162	6.543503e-03	1.675921e-02	2.977419e-02	3.393467e-02	3.386008e-02	3.281178e-02	2.994916e-02
0.003548	6.063251e-03	1.565960e-02	2.877328e-02	3.357258e-02	3.339571e-02	3.220211e-02	2.894849e-02
0.003981	5.620245e-03	1.455671e-02	2.768376e-02	3.309646e-02	3.284678e-02	3.150565e-02	2.785850e-02
0.004467	5.211324e-03	1.348347e-02	2.651589e-02	3.251855e-02	3.220930e-02	3.072108e-02	2.668632e-02
0.005012	4.833537e-03	1.245575e-02	2.527974e-02	3.184534e-02	3.147877e-02	2.984731e-02	2.544413e-02
0.005623	4.483294e-03	1.148054e-02	2.398588e-02	3.107792e-02	3.065222e-02	2.888609e-02	2.414458e-02
0.006310	4.157646e-03	1.056113e-02	2.264690e-02	3.021615e-02	2.972941e-02	2.784268e-02	2.280101e-02
0.007079	3.852767e-03	9.699131e-03	2.127733e-02	2.926100e-02	2.871420e-02	2.672505e-02	2.142907e-02
0.007943	3.565932e-03	8.895008e-03	1.989253e-02	2.821552e-02	2.761250e-02	2.554240e-02	2.004520e-02
0.008913	3.293812e-03	8.148237e-03	1.850757e-02	2.708537e-02	2.643236e-02	2.430597e-02	1.866530e-02
0.010000	3.035175e-03	7.457334e-03	1.713718e-02	2.587878e-02	2.518431e-02	2.302785e-02	1.730370e-02
0.011220	2.787775e-03	6.820029e-03	1.579507e-02	2.460626e-02	2.388035e-02	2.172141e-02	1.597360e-02
0.012589	2.550463e-03	6.233297e-03	1.449389e-02	2.328014e-02	2.253472e-02	2.040005e-02	1.468601e-02
0.014125	2.321010e-03	5.693541e-03	1.324449e-02	2.191418e-02	2.116184e-02	1.907707e-02	1.345025e-02
0.015849	2.099036e-03	5.196652e-03	1.205589e-02	2.052318e-02	1.977713e-02	1.776469e-02	1.227301e-02
0.017783	1.884643e-03	4.738219e-03	1.093482e-02	1.912242e-02	1.839474e-02	1.647431e-02	1.115897e-02
0.019953	1.677895e-03	4.313693e-03	9.885868e-03	1.772705e-02	1.702917e-02	1.521591e-02	1.011032e-02
0.022387	1.479743e-03	3.918728e-03	8.911357e-03	1.635159e-02	1.569273e-02	1.399781e-02	9.125840e-03
0.025119	1.291148e-03	3.549613e-03	8.011388e-03	1.500936e-02	1.439678e-02	1.282623e-02	8.186846e-03
0.028184	1.114335e-03	3.203133e-03	7.184068e-03	1.371209e-02	1.315000e-02	1.169809e-02	7.251368e-03
0.031623	9.505770e-04	2.876447e-03	6.425716e-03	1.246956e-02	1.195977e-02	1.056811e-02	6.325914e-03
0.035481	8.012992e-04	2.567604e-03	5.731306e-03	1.128932e-02	1.083034e-02	9.400600e-03	5.459865e-03
0.039811	6.670899e-04	2.275450e-03	5.094847e-03	1.017668e-02	9.763902e-03	8.268358e-03	4.672046e-03
0.044668	5.486296e-04	1.999423e-03	4.510273e-03	9.134680e-03	8.756046e-03	7.219812e-03	3.962577e-03
0.050119	4.455963e-04	1.739837e-03	3.972554e-03	8.164414e-03	7.792115e-03	6.259657e-03	3.329159e-03
0.056234	3.575420e-04	1.497652e-03	3.478480e-03	7.265200e-03	6.876613e-03	5.386462e-03	2.769371e-03
0.063096	2.834062e-04	1.274097e-03	3.024824e-03	6.434595e-03	6.026923e-03	4.598375e-03	2.280873e-03
0.070795	2.219902e-04	1.070473e-03	2.608550e-03	5.668474e-03	5.247395e-03	3.893043e-03	1.860579e-03
0.079433	1.718532e-04	8.878377e-04	2.228044e-03	4.962320e-03	4.536706e-03	3.267653e-03	1.504008e-03
0.089125	1.315351e-04	7.267483e-04	1.882754e-03	4.313247e-03	3.892948e-03	2.718828e-03	1.205593e-03
0.100000	9.963001e-05	5.870629e-04	1.572732e-03	3.720277e-03	3.314211e-03	2.242488e-03	9.576739e-04
0.112202	7.471878e-05	4.680132e-04	1.297930e-03	3.182860e-03	2.798438e-03	1.833778e-03	7.480491e-04
0.125893	5.552888e-05	3.682690e-04	1.057896e-03	2.699922e-03	2.343200e-03	1.486970e-03	5.711649e-04
0.141254	4.093489e-05	2.861310e-04	8.515076e-04	2.269861e-03	1.945611e-03	1.195649e-03	4.302258e-04
0.158489	2.999170e-05	2.196197e-04	6.770111e-04	1.890710e-03	1.602100e-03	9.544357e-04	3.216991e-04

0.177828	2.185768e-05	1.666088e-04	5.320618e-04	1.560114e-03	1.308554e-03	7.572828e-04	2.388316e-04
0.199526	1.587265e-05	1.249918e-04	4.136749e-04	1.275203e-03	1.059993e-03	5.973920e-04	1.757305e-04
0.223872	1.150514e-05	9.280361e-05	3.184198e-04	1.032457e-03	8.509002e-04	4.681043e-04	1.281689e-04
0.251189	8.330327e-06	6.826634e-05	2.428372e-04	8.277546e-04	6.763524e-04	3.640092e-04	9.295355e-05
0.281838	6.028596e-06	4.981025e-05	1.837336e-04	6.568475e-04	5.327062e-04	2.808014e-04	6.716184e-05
0.316228	4.367547e-06	3.608994e-05	1.381211e-04	5.158508e-04	4.161396e-04	2.147484e-04	4.829372e-05
0.354813	3.171176e-06	2.599927e-05	1.032697e-04	4.011225e-04	3.224849e-04	1.629492e-04	3.445803e-05
0.398107	2.309770e-06	1.865365e-05	7.686136e-05	3.089567e-04	2.476763e-04	1.227994e-04	2.435997e-05
0.446684	1.690018e-06	1.335515e-05	5.700873e-05	2.357340e-04	1.883009e-04	9.196344e-05	1.706291e-05
0.501187	1.243718e-06	9.561846e-06	4.219307e-05	1.782447e-04	1.418669e-04	6.834587e-05	1.182161e-05
0.562341	9.211973e-07	6.862793e-06	3.118961e-05	1.337090e-04	1.061819e-04	5.040277e-05	8.084964e-06
0.630957	6.870556e-07	4.950769e-06	2.302644e-05	9.962827e-05	7.899851e-05	3.673025e-05	5.443634e-06
0.707946	5.155812e-07	3.596168e-06	1.696837e-05	7.376162e-05	5.830678e-05	2.643652e-05	3.604574e-06
0.794328	3.876272e-07	2.632053e-06	1.247189e-05	5.422666e-05	4.260520e-05	1.877089e-05	2.341857e-06
0.891251	2.895639e-07	1.941049e-06	9.138215e-06	3.955750e-05	3.072810e-05	1.311919e-05	1.490807e-06
1.000000	2.136138e-07	1.441210e-06	6.674699e-06	2.862490e-05	2.186048e-05	9.008866e-06	9.295299e-07
1.122019	1.562719e-07	1.075589e-06	4.862403e-06	2.053460e-05	1.535125e-05	6.066259e-06	5.650843e-07
1.258925	1.146045e-07	8.049013e-07	3.533961e-06	1.458696e-05	1.065148e-05	4.003263e-06	3.339968e-07
1.412538	8.481413e-08	6.020372e-07	2.561683e-06	1.024759e-05	7.268824e-06	2.577002e-06	1.919683e-07
1.584893	6.330123e-08	4.482573e-07	1.850191e-06	7.113846e-06	4.850536e-06	1.605860e-06	1.067549e-07
1.778279	4.743613e-08	3.306632e-07	1.329181e-06	4.881558e-06	3.160547e-06	9.653909e-07	5.704440e-08
1.995262	3.546482e-08	2.405012e-07	9.473832e-07	3.312615e-06	2.012896e-06	5.603040e-07	2.905233e-08
2.238721	2.628465e-08	1.718876e-07	6.680707e-07	2.219393e-06	1.251811e-06	3.145697e-07	1.392822e-08
2.511886	1.925159e-08	1.206497e-07	4.650696e-07	1.462836e-06	7.546437e-07	1.704806e-07	6.212673e-09
2.818383	1.394457e-08	8.338999e-08	3.192641e-07	9.457988e-07	4.371538e-07	8.794806e-08	2.532829e-09
3.162278	1.000642e-08	5.703151e-08	2.161617e-07	5.994706e-07	2.425533e-07	4.199279e-08	8.841946e-10
3.548134	7.119472e-09	3.879906e-08	1.445108e-07	3.724308e-07	1.285621e-07	1.787363e-08	2.331920e-10
3.981072	5.021403e-09	2.636120e-08	9.554130e-08	2.261531e-07	6.432675e-08	6.511786e-09	4.003053e-11
4.466836	3.508507e-09	1.791800e-08	6.254147e-08	1.333684e-07	2.971503e-08	1.955799e-09	3.927935e-12
5.011872	2.426480e-09	1.217924e-08	4.056224e-08	7.580697e-08	1.232196e-08	4.695419e-10	2.008569e-13
5.623413	1.773860e-09	8.882649e-09	2.859685e-08	4.863396e-08	6.837717e-09	2.410964e-10	1.004588e-13
6.309573	1.121241e-09	5.586060e-09	1.663145e-08	2.146095e-08	1.353470e-09	1.265089e-11	6.069381e-17

Clinton (40.17° N, 88.83° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.099847	0.118956	0.235348
0.561009	0.116666	0.139452	0.276125
0.629463	0.135691	0.161822	0.320237
0.706269	0.155303	0.184029	0.363599
0.792447	0.174892	0.205712	0.405688
0.889140	0.194695	0.227297	0.447419
0.997631	0.217004	0.250836	0.492529
1.000000	0.217500	0.251350	0.493509
1.122019	0.249876	0.290870	0.572142
1.258925	0.283065	0.329173	0.647320
1.412538	0.309125	0.357935	0.703126
1.584893	0.324866	0.376690	0.740226

1.778279	0.332659	0.388648	0.765167
1.995262	0.338324	0.399768	0.789291
2.238721	0.346529	0.414932	0.821954
2.500000	0.359291	0.434160	0.862009
2.805046	0.389954	0.480997	0.959920
3.147313	0.439702	0.540113	1.076780
3.531344	0.498172	0.599960	1.190198
3.962233	0.552180	0.652806	1.289054
4.445698	0.596006	0.695613	1.369172
4.988156	0.630039	0.725613	1.423477
5.000000	0.630771	0.726221	1.424554
5.610092	0.638420	0.736018	1.444258
6.294627	0.634748	0.729360	1.430007
7.062688	0.619884	0.715944	1.405505
7.924466	0.608406	0.698707	1.369717
8.891397	0.591266	0.679406	1.332070
9.976312	0.575975	0.656324	1.284128
10.000000	0.575628	0.655823	1.283095
11.220185	0.539837	0.617253	1.208716
12.589254	0.516715	0.589955	1.154840
14.125375	0.499602	0.570125	1.115881
15.848932	0.483940	0.555134	1.087954
17.782794	0.467371	0.533858	1.045147
19.952623	0.452818	0.516849	1.011661
22.387211	0.432030	0.494477	0.968535
25.000000	0.411067	0.468280	0.916147
28.050461	0.390571	0.442402	0.864285
31.473135	0.369894	0.416264	0.811900
35.313439	0.351558	0.394082	0.767883
39.622330	0.336062	0.374729	0.729210
44.456985	0.325188	0.361620	0.703224
49.881558	0.316519	0.350178	0.680100
55.968028	0.307522	0.338995	0.657784
62.797161	0.298995	0.328747	0.637488
70.459573	0.290586	0.318715	0.617655
79.056942	0.281085	0.308093	0.596972
88.703347	0.270760	0.297662	0.577190
99.526793	0.261389	0.288979	0.561140
100.000000	0.244696	0.271328	0.527258