

Sequoyah (35.23° N, 85.09° 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	1.115290e-02	1.868935e-02	2.689237e-02	2.836961e-02	2.853759e-02	2.807416e-02	2.668637e-02
0.001122	1.081782e-02	1.849586e-02	2.665750e-02	2.815863e-02	2.832042e-02	2.778186e-02	2.626782e-02
0.001259	1.025351e-02	1.801890e-02	2.625357e-02	2.787019e-02	2.806130e-02	2.744065e-02	2.568774e-02
0.001413	9.650509e-03	1.729543e-02	2.571686e-02	2.752414e-02	2.775149e-02	2.704309e-02	2.504316e-02
0.001585	9.066308e-03	1.644869e-02	2.509261e-02	2.711973e-02	2.738532e-02	2.658651e-02	2.433492e-02
0.001778	8.507696e-03	1.556962e-02	2.440204e-02	2.665302e-02	2.695975e-02	2.606976e-02	2.356470e-02
0.001995	7.974185e-03	1.469545e-02	2.365185e-02	2.612174e-02	2.647095e-02	2.549076e-02	2.273833e-02
0.002239	7.464747e-03	1.383690e-02	2.284612e-02	2.552388e-02	2.591611e-02	2.484936e-02	2.186170e-02
0.002512	6.978185e-03	1.299848e-02	2.198931e-02	2.485847e-02	2.529409e-02	2.414754e-02	2.094040e-02
0.002818	6.513286e-03	1.218329e-02	2.108670e-02	2.412639e-02	2.460618e-02	2.338935e-02	1.998209e-02
0.003162	6.069044e-03	1.139378e-02	2.014470e-02	2.333050e-02	2.385459e-02	2.257921e-02	1.899541e-02
0.003548	5.644336e-03	1.063191e-02	1.917066e-02	2.247477e-02	2.304303e-02	2.172307e-02	1.798939e-02
0.003981	5.238083e-03	9.899185e-03	1.817235e-02	2.156449e-02	2.217654e-02	2.082747e-02	1.697240e-02
0.004467	4.849004e-03	9.196547e-03	1.715774e-02	2.060600e-02	2.126136e-02	1.989984e-02	1.595315e-02
0.005012	4.475948e-03	8.524489e-03	1.613486e-02	1.960685e-02	2.030514e-02	1.894810e-02	1.493933e-02
0.005623	4.117613e-03	7.883077e-03	1.511167e-02	1.857554e-02	1.931604e-02	1.798004e-02	1.393868e-02
0.006310	3.773010e-03	7.272036e-03	1.409596e-02	1.752120e-02	1.830293e-02	1.700334e-02	1.295753e-02
0.007079	3.441200e-03	6.690728e-03	1.309511e-02	1.645330e-02	1.727442e-02	1.602503e-02	1.200158e-02
0.007943	3.121716e-03	6.138177e-03	1.211588e-02	1.538132e-02	1.623966e-02	1.505205e-02	1.107500e-02
0.008913	2.814209e-03	5.613112e-03	1.116434e-02	1.431475e-02	1.520684e-02	1.409009e-02	1.018102e-02
0.010000	2.518735e-03	5.114073e-03	1.024566e-02	1.326234e-02	1.418382e-02	1.314431e-02	9.312117e-03
0.011220	2.236091e-03	4.639556e-03	9.363989e-03	1.223207e-02	1.317727e-02	1.221698e-02	8.419336e-03
0.012589	1.967324e-03	4.188109e-03	8.522326e-03	1.123074e-02	1.219317e-02	1.128220e-02	7.495515e-03
0.014125	1.714061e-03	3.758534e-03	7.722501e-03	1.026386e-02	1.123579e-02	1.028858e-02	6.605934e-03
0.015849	1.477543e-03	3.349838e-03	6.965243e-03	9.335414e-03	1.030901e-02	9.298733e-03	5.775863e-03
0.017783	1.259291e-03	2.961621e-03	6.250423e-03	8.448756e-03	9.413371e-03	8.353664e-03	5.010173e-03
0.019953	1.060672e-03	2.594601e-03	5.577359e-03	7.606032e-03	8.544229e-03	7.458072e-03	4.311532e-03
0.022387	8.827971e-04	2.250405e-03	4.945050e-03	6.807350e-03	7.705412e-03	6.615071e-03	3.681179e-03
0.025119	7.256888e-04	1.930821e-03	4.352689e-03	6.052285e-03	6.907118e-03	5.827862e-03	3.119810e-03
0.028184	5.890818e-04	1.637386e-03	3.800284e-03	5.343209e-03	6.154575e-03	5.099129e-03	2.626510e-03
0.031623	4.721902e-04	1.371458e-03	3.288631e-03	4.683232e-03	5.450293e-03	4.430784e-03	2.198335e-03
0.035481	3.738608e-04	1.134033e-03	2.818820e-03	4.074283e-03	4.796009e-03	3.823933e-03	1.830749e-03
0.039811	2.924259e-04	9.255451e-04	2.391832e-03	3.517482e-03	4.193284e-03	3.278630e-03	1.517671e-03
0.044668	2.260624e-04	7.455959e-04	2.008319e-03	3.013453e-03	3.642894e-03	2.793656e-03	1.250501e-03
0.050119	1.727979e-04	5.929861e-04	1.668383e-03	2.562076e-03	3.145142e-03	2.366699e-03	1.021484e-03
0.056234	1.306930e-04	4.657669e-04	1.371382e-03	2.162466e-03	2.699208e-03	1.994619e-03	8.296257e-04
0.063096	9.787918e-05	3.615366e-04	1.115797e-03	1.812678e-03	2.303569e-03	1.675629e-03	6.710818e-04
0.070795	7.265786e-05	2.775709e-04	8.991850e-04	1.509951e-03	1.955703e-03	1.407565e-03	5.406700e-04
0.079433	5.351880e-05	2.110151e-04	7.182782e-04	1.250749e-03	1.652721e-03	1.184358e-03	4.341683e-04
0.089125	3.916710e-05	1.590300e-04	5.692693e-04	1.031100e-03	1.391407e-03	9.978731e-04	3.479824e-04
0.100000	2.852336e-05	1.189822e-04	4.481343e-04	8.465040e-04	1.168245e-03	8.392991e-04	2.780761e-04
0.112202	2.070326e-05	8.851611e-05	3.508455e-04	6.923699e-04	9.785610e-04	7.038722e-04	2.211307e-04
0.125893	1.500444e-05	6.559740e-05	2.735299e-04	5.644224e-04	8.174555e-04	5.888294e-04	1.748686e-04
0.141254	1.087713e-05	4.851286e-05	2.126145e-04	4.587943e-04	6.809392e-04	4.915749e-04	1.374887e-04
0.158489	7.902602e-06	3.586778e-05	1.649458e-04	3.719609e-04	5.657219e-04	4.095690e-04	1.075527e-04

0.177828	5.762968e-06	2.655489e-05	1.278364e-04	3.008155e-04	4.688161e-04	3.404736e-04	8.371119e-05
0.199526	4.224075e-06	1.971429e-05	9.904949e-05	2.426869e-04	3.874933e-04	2.821801e-04	6.471114e-05
0.223872	3.114065e-06	1.469118e-05	7.675758e-05	1.953159e-04	3.193814e-04	2.330462e-04	4.964893e-05
0.251189	2.310175e-06	1.099563e-05	5.949849e-05	1.567910e-04	2.624728e-04	1.917707e-04	3.782124e-05
0.281838	1.724313e-06	8.266580e-06	4.612811e-05	1.255139e-04	2.150278e-04	1.571903e-04	2.859298e-05
0.316228	1.294001e-06	6.240660e-06	3.575967e-05	1.001578e-04	1.755391e-04	1.282940e-04	2.143277e-05
0.354813	9.755079e-07	4.727701e-06	2.770742e-05	7.964104e-05	1.427265e-04	1.042205e-04	1.592531e-05
0.398107	7.381304e-07	3.590570e-06	2.144420e-05	6.307859e-05	1.155418e-04	8.422356e-05	1.173072e-05
0.446684	5.597583e-07	2.730711e-06	1.656631e-05	4.973695e-05	9.309553e-05	6.765897e-05	8.563099e-06
0.501187	4.245822e-07	2.077088e-06	1.276389e-05	3.902200e-05	7.461657e-05	5.400721e-05	6.185836e-06
0.562341	3.216039e-07	1.578264e-06	9.799669e-06	3.044853e-05	5.946202e-05	4.280843e-05	4.417303e-06
0.630957	2.429291e-07	1.196601e-06	7.492021e-06	2.361951e-05	4.708857e-05	3.367861e-05	3.118487e-06
0.707946	1.828048e-07	9.042548e-07	5.699058e-06	1.820643e-05	3.703412e-05	2.627880e-05	2.176226e-06
0.794328	1.368691e-07	6.804176e-07	4.309673e-06	1.393972e-05	2.891461e-05	2.032654e-05	1.501672e-06
0.891251	1.018058e-07	5.093693e-07	3.237573e-06	1.059504e-05	2.239804e-05	1.557584e-05	1.023168e-06
1.000000	7.512031e-08	3.790723e-07	2.414598e-06	7.987850e-06	1.720099e-05	1.181362e-05	6.868657e-07
1.122019	5.494521e-08	2.802282e-07	1.786413e-06	5.969546e-06	1.308654e-05	8.859437e-06	4.535904e-07
1.258925	3.981855e-08	2.056460e-07	1.309940e-06	4.418508e-06	9.855205e-06	6.563778e-06	2.938509e-07
1.412538	2.858850e-08	1.497184e-07	9.511647e-07	3.235700e-06	7.340313e-06	4.796486e-06	1.860416e-07
1.584893	2.032878e-08	1.080739e-07	6.828778e-07	2.341750e-06	5.402199e-06	3.450693e-06	1.148428e-07
1.778279	1.430917e-08	7.729720e-08	4.837533e-07	1.673220e-06	3.924036e-06	2.437346e-06	6.878975e-08
1.995262	9.964785e-09	5.472692e-08	3.381053e-07	1.178945e-06	2.808516e-06	1.684975e-06	3.956652e-08
2.238721	6.861663e-09	3.830750e-08	2.333415e-07	8.171552e-07	1.977525e-06	1.135375e-06	2.116117e-08
2.511886	4.667775e-09	2.648150e-08	1.589793e-07	5.572148e-07	1.366246e-06	7.405419e-07	9.594596e-09
2.818383	3.133084e-09	1.806675e-08	1.068229e-07	3.742503e-07	9.223123e-07	4.617541e-07	2.979648e-09
3.162278	2.071683e-09	1.215672e-08	7.069816e-08	2.469626e-07	6.063168e-07	2.675236e-07	3.255532e-10
3.548134	1.346268e-09	8.057715e-09	4.600934e-08	1.595099e-07	3.870153e-07	1.397985e-07	2.831395e-12
3.981072	8.567925e-10	5.249981e-09	2.937664e-08	1.003067e-07	2.377030e-07	5.888529e-08	9.203185e-16
4.466836	5.321952e-10	3.352604e-09	1.832099e-08	6.089341e-08	1.369010e-07	1.534000e-08	9.371592e-21
5.011872	3.209261e-10	2.090687e-09	1.105585e-08	3.501882e-08	6.916767e-08	1.579046e-09	6.247728e-21
5.623413	2.085908e-10	1.409948e-09	7.176836e-09	2.148039e-08	3.721388e-08	7.895940e-10	3.123864e-21
6.309573	9.625546e-11	7.292081e-10	3.297824e-09	7.941972e-09	5.260081e-09	1.423369e-13	0.000000e+00

Sequoyah (35.23° N, 85.09° E), Response Spectra

Frequency (Hz)	UHSR 1E-4 (g)	GMRS (g)	UHSR 1E-5 (g)
0.145599	0.030069	0.043910	0.073780
0.164726	0.033587	0.049135	0.083252
0.187979	0.038017	0.055624	0.094820
0.208585	0.042075	0.061414	0.105083
0.225500	0.045426	0.066109	0.113478
0.240889	0.048452	0.070299	0.121081
0.260549	0.052268	0.075686	0.130798
0.260997	0.052355	0.075808	0.131019
0.307498	0.058293	0.085663	0.152739
0.350545	0.064012	0.095067	0.172901
0.395783	0.070515	0.105550	0.194325
0.435234	0.076339	0.114914	0.213075

0.470892	0.081824	0.123629	0.230111
0.499013	0.086202	0.130654	0.243598
0.529676	0.091386	0.138753	0.258507
0.557406	0.096223	0.146281	0.272091
0.629289	0.104079	0.161331	0.305204
0.693111	0.111849	0.175895	0.335203
0.754443	0.120293	0.191030	0.364632
0.807504	0.128377	0.205052	0.390618
0.861511	0.137350	0.220008	0.417399
0.912497	0.146460	0.234750	0.443002
0.913503	0.146651	0.235055	0.443511
0.989958	0.155416	0.251544	0.479111
1.062828	0.164421	0.268235	0.513494
1.132132	0.173885	0.285176	0.546754
1.184192	0.181433	0.298647	0.572133
1.219803	0.187601	0.309190	0.590173
1.250657	0.193370	0.318651	0.606007
1.251493	0.193524	0.318900	0.606432
1.218700	0.187503	0.309778	0.590169
1.204466	0.184284	0.305283	0.582877
1.169828	0.178019	0.295741	0.565731
1.151683	0.174431	0.290495	0.556642
1.123475	0.169628	0.282986	0.542868
1.094853	0.165014	0.275718	0.529008
1.068953	0.161305	0.269616	0.516724
1.019327	0.154758	0.257831	0.493048
0.962991	0.147490	0.244616	0.466259
0.905005	0.140006	0.230995	0.438638
0.845458	0.132604	0.217290	0.410442
0.785114	0.125132	0.203402	0.381867
0.729030	0.118567	0.190928	0.355517
0.676586	0.112423	0.179284	0.330898
0.628576	0.106739	0.168617	0.308346
0.584291	0.101276	0.158596	0.287502
0.546092	0.096341	0.149851	0.269475
0.511103	0.091483	0.141583	0.252867
0.480790	0.086831	0.134128	0.238331
0.458237	0.082904	0.128135	0.227339
0.422044	0.076762	0.118474	0.209577