

Arkansas (35.31° N, 93.23° 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	9.749912e-03	1.797193e-02	2.893299e-02	3.110178e-02	3.114485e-02	3.036008e-02	2.812600e-02
0.001122	9.541696e-03	1.763943e-02	2.851321e-02	3.065567e-02	3.072635e-02	2.983411e-02	2.721928e-02
0.001259	9.152303e-03	1.684138e-02	2.773323e-02	3.014385e-02	3.023256e-02	2.922832e-02	2.627091e-02
0.001413	8.683036e-03	1.583044e-02	2.685279e-02	2.955119e-02	2.965551e-02	2.853825e-02	2.524451e-02
0.001585	8.167096e-03	1.480151e-02	2.590040e-02	2.887063e-02	2.899263e-02	2.776606e-02	2.414574e-02
0.001778	7.635146e-03	1.380401e-02	2.487601e-02	2.810115e-02	2.824303e-02	2.691298e-02	2.298884e-02
0.001995	7.120991e-03	1.284457e-02	2.378919e-02	2.724580e-02	2.740558e-02	2.598157e-02	2.178889e-02
0.002239	6.638823e-03	1.192768e-02	2.265164e-02	2.630554e-02	2.648287e-02	2.497824e-02	2.056065e-02
0.002512	6.189891e-03	1.105640e-02	2.147277e-02	2.528501e-02	2.548097e-02	2.391244e-02	1.931613e-02
0.002818	5.772459e-03	1.023251e-02	2.026430e-02	2.419231e-02	2.440881e-02	2.279596e-02	1.807310e-02
0.003162	5.384486e-03	9.457170e-03	1.903907e-02	2.303870e-02	2.327638e-02	2.164002e-02	1.684443e-02
0.003548	5.023832e-03	8.730755e-03	1.781107e-02	2.183584e-02	2.209595e-02	2.045892e-02	1.564506e-02
0.003981	4.688397e-03	8.052949e-03	1.659220e-02	2.059693e-02	2.088064e-02	1.926469e-02	1.448358e-02
0.004467	4.375893e-03	7.422720e-03	1.539468e-02	1.933615e-02	1.964469e-02	1.807210e-02	1.337130e-02
0.005012	4.084101e-03	6.838603e-03	1.422861e-02	1.806748e-02	1.840248e-02	1.689228e-02	1.231280e-02
0.005623	3.810526e-03	6.298623e-03	1.310380e-02	1.680583e-02	1.716779e-02	1.573791e-02	1.131506e-02
0.006310	3.552820e-03	5.800523e-03	1.202781e-02	1.556400e-02	1.595352e-02	1.461731e-02	1.037902e-02
0.007079	3.308388e-03	5.341587e-03	1.100733e-02	1.435499e-02	1.477111e-02	1.353982e-02	9.507291e-03
0.007943	3.074827e-03	4.918893e-03	1.004672e-02	1.318865e-02	1.363079e-02	1.251060e-02	8.697799e-03
0.008913	2.849564e-03	4.529069e-03	9.149305e-03	1.207513e-02	1.254036e-02	1.153488e-02	7.949626e-03
0.010000	2.630744e-03	4.168618e-03	8.316555e-03	1.102057e-02	1.150614e-02	1.061440e-02	7.255110e-03
0.011220	2.416752e-03	3.833702e-03	7.548658e-03	1.003094e-02	1.053202e-02	9.742377e-03	6.503687e-03
0.012589	2.206638e-03	3.520504e-03	6.844333e-03	9.108459e-03	9.620409e-03	8.830965e-03	5.789316e-03
0.014125	2.000388e-03	3.225152e-03	6.200918e-03	8.255079e-03	8.771273e-03	7.934977e-03	5.140089e-03
0.015849	1.798414e-03	2.943647e-03	5.614907e-03	7.469047e-03	7.981746e-03	7.111608e-03	4.545432e-03
0.017783	1.601808e-03	2.673140e-03	5.081267e-03	6.748741e-03	7.242295e-03	6.357716e-03	3.997701e-03
0.019953	1.412142e-03	2.412046e-03	4.594939e-03	6.089611e-03	6.548949e-03	5.666753e-03	3.491233e-03
0.022387	1.231362e-03	2.159823e-03	4.149194e-03	5.485822e-03	5.907046e-03	5.032390e-03	3.023391e-03
0.025119	1.061160e-03	1.916217e-03	3.737663e-03	4.929270e-03	5.315170e-03	4.449244e-03	2.592980e-03
0.028184	9.033160e-04	1.681946e-03	3.355420e-03	4.417591e-03	4.768465e-03	3.912938e-03	2.199969e-03
0.031623	7.591364e-04	1.458560e-03	2.998580e-03	3.946094e-03	4.262234e-03	3.420236e-03	1.844932e-03
0.035481	6.296617e-04	1.248374e-03	2.663521e-03	3.509490e-03	3.792511e-03	2.968973e-03	1.528599e-03
0.039811	5.153121e-04	1.053687e-03	2.347885e-03	3.104113e-03	3.356190e-03	2.557740e-03	1.250230e-03
0.044668	4.161018e-04	8.764753e-04	2.050970e-03	2.726861e-03	2.951265e-03	2.186063e-03	1.005683e-03
0.050119	3.314543e-04	7.180570e-04	1.772750e-03	2.376588e-03	2.576493e-03	1.856000e-03	7.954990e-04
0.056234	2.604832e-04	5.791818e-04	1.514655e-03	2.052644e-03	2.231424e-03	1.568273e-03	6.214036e-04
0.063096	2.019695e-04	4.599172e-04	1.277902e-03	1.755510e-03	1.915925e-03	1.317535e-03	4.798269e-04
0.070795	1.545438e-04	3.595705e-04	1.064311e-03	1.485637e-03	1.630391e-03	1.100992e-03	3.668453e-04
0.079433	1.167095e-04	2.767928e-04	8.745915e-04	1.243663e-03	1.375301e-03	9.155092e-04	2.785364e-04
0.089125	8.701010e-05	2.098279e-04	7.090735e-04	1.029948e-03	1.150624e-03	7.571216e-04	2.101304e-04
0.100000	6.405221e-05	1.567039e-04	5.670815e-04	8.438648e-04	9.548720e-04	6.226306e-04	1.573052e-04
0.112202	4.657510e-05	1.153537e-04	4.475624e-04	6.838989e-04	7.855630e-04	5.087640e-04	1.168532e-04
0.125893	3.346227e-05	8.374511e-05	3.486975e-04	5.483189e-04	6.403914e-04	4.129231e-04	8.625640e-05
0.141254	2.376659e-05	6.000062e-05	2.683554e-04	4.351126e-04	5.174592e-04	3.330831e-04	6.343350e-05
0.158489	1.669531e-05	4.246167e-05	2.040471e-04	3.418359e-04	4.146859e-04	2.671235e-04	4.655327e-05

0.177828	1.160729e-05	2.970912e-05	1.533691e-04	2.660863e-04	3.297857e-04	2.130508e-04	3.410391e-05
0.199526	7.993874e-06	2.057655e-05	1.140324e-04	2.052826e-04	2.603463e-04	1.690486e-04	2.494409e-05
0.223872	5.459559e-06	1.412991e-05	8.396040e-05	1.570510e-04	2.040923e-04	1.334484e-04	1.822118e-05
0.251189	3.702484e-06	9.637852e-06	6.124734e-05	1.191861e-04	1.589752e-04	1.048502e-04	1.329810e-05
0.281838	2.497165e-06	6.541926e-06	4.429258e-05	8.980671e-05	1.231327e-04	8.204470e-05	9.691646e-06
0.316228	1.678236e-06	4.429011e-06	3.178646e-05	6.723656e-05	9.490216e-05	6.396303e-05	7.047726e-06
0.354813	1.126210e-06	2.998232e-06	2.266037e-05	5.005544e-05	7.283271e-05	4.969821e-05	5.109344e-06
0.398107	7.564392e-07	2.034624e-06	1.606438e-05	3.707813e-05	5.569166e-05	3.849585e-05	3.685088e-06
0.446684	5.096793e-07	1.387174e-06	1.133787e-05	2.735928e-05	4.245358e-05	2.973079e-05	2.640786e-06
0.501187	3.452960e-07	9.519953e-07	7.977078e-06	2.011977e-05	3.227910e-05	2.289450e-05	1.877877e-06
0.562341	2.355983e-07	6.584534e-07	5.600621e-06	1.476130e-05	2.448623e-05	1.757752e-05	1.323669e-06
0.630957	1.620682e-07	4.591848e-07	3.927913e-06	1.080871e-05	1.853355e-05	1.345199e-05	9.244765e-07
0.707946	1.124267e-07	3.227282e-07	2.754711e-06	7.904130e-06	1.399570e-05	1.025724e-05	6.386723e-07
0.794328	7.860956e-08	2.283304e-07	1.933324e-06	5.771470e-06	1.054149e-05	7.787539e-06	4.358493e-07
0.891251	5.533291e-08	1.623787e-07	1.357997e-06	4.207628e-06	7.914937e-06	5.882285e-06	2.935183e-07
1.000000	3.913912e-08	1.158525e-07	9.547440e-07	3.062282e-06	5.919501e-06	4.416033e-06	1.946603e-07
1.122019	2.776087e-08	8.272863e-08	6.715068e-07	2.222988e-06	4.405533e-06	3.290818e-06	1.267914e-07
1.258925	1.969905e-08	5.898012e-08	4.721359e-07	1.608254e-06	3.259220e-06	2.430781e-06	8.089481e-08
1.412538	1.395739e-08	4.190038e-08	3.315077e-07	1.158237e-06	2.393835e-06	1.776789e-06	5.036722e-08
1.584893	9.855719e-09	2.960898e-08	2.320919e-07	8.293531e-07	1.743134e-06	1.282193e-06	3.046393e-08
1.778279	6.923978e-09	2.077838e-08	1.618469e-07	5.896399e-07	1.256282e-06	9.105740e-07	1.767687e-08
1.995262	4.831786e-09	1.445626e-08	1.123176e-07	4.157100e-07	8.941078e-07	6.342844e-07	9.539398e-09
2.238721	3.344747e-09	9.955556e-09	7.743708e-08	2.900036e-07	6.267504e-07	4.317600e-07	4.533223e-09
2.511886	2.293572e-09	6.775587e-09	5.289473e-08	1.997007e-07	4.312177e-07	2.854768e-07	1.782636e-09
2.818383	1.555905e-09	4.552718e-09	3.572127e-08	1.355078e-07	2.896634e-07	1.826141e-07	4.957899e-10
3.162278	1.042587e-09	3.016246e-09	2.379050e-08	9.032610e-08	1.887843e-07	1.114409e-07	4.670878e-11
3.548134	6.888107e-10	1.965737e-09	1.558124e-08	5.888138e-08	1.184558e-07	6.359023e-08	5.524424e-13
3.981072	4.475239e-10	1.255959e-09	9.987735e-09	3.736010e-08	7.026794e-08	3.296562e-08	5.294441e-16
4.466836	2.852056e-10	7.837445e-10	6.239192e-09	2.294621e-08	3.768578e-08	1.460633e-08	4.702479e-20
5.011872	1.776174e-10	4.756719e-10	3.771919e-09	1.333924e-08	1.660189e-08	4.935583e-09	6.843546e-21
5.623413	1.194245e-10	3.126439e-10	2.445045e-09	7.957262e-09	8.531355e-09	2.541086e-09	3.421773e-21
6.309573	6.123153e-11	1.496158e-10	1.118171e-09	2.575281e-09	4.608210e-10	1.465887e-10	0.000000e+00

Arkansas (35.31° N, 93.23° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.084393	0.095367	0.186201
0.561009	0.091418	0.102800	0.200467
0.629463	0.097257	0.108578	0.211352
0.706269	0.102918	0.114047	0.221586
0.792447	0.109034	0.120029	0.232825
0.889140	0.113427	0.124012	0.240137
0.997631	0.118013	0.128360	0.248236
1.000000	0.118114	0.128456	0.248416
1.122019	0.129579	0.145369	0.283314
1.258925	0.141827	0.161713	0.316447
1.412538	0.154645	0.177656	0.348298
1.584893	0.166186	0.191146	0.374859

1.778279	0.178571	0.205045	0.401949
1.995262	0.190068	0.217668	0.426408
2.238721	0.200446	0.228554	0.447247
2.500000	0.209627	0.238082	0.465433
2.805046	0.219119	0.253923	0.498905
3.147313	0.230325	0.271048	0.534604
3.531344	0.240425	0.286258	0.566256
3.962233	0.250757	0.300917	0.596425
4.445698	0.259861	0.313690	0.622661
4.988156	0.269778	0.326808	0.649268
5.000000	0.270009	0.327104	0.649865
5.610092	0.279494	0.344977	0.688580
6.294627	0.284743	0.357014	0.715410
7.062688	0.291102	0.369674	0.743144
7.924466	0.297447	0.381510	0.768848
8.891397	0.303419	0.392082	0.791629
9.976312	0.308918	0.401194	0.811043
10.000000	0.308997	0.401331	0.811336
11.220185	0.301507	0.394183	0.798195
12.589254	0.294372	0.387485	0.785968
14.125375	0.287148	0.380576	0.773279
15.848932	0.279863	0.373486	0.760183
17.782794	0.272711	0.366597	0.747519
19.952623	0.265725	0.359742	0.734839
22.387211	0.256836	0.349760	0.715501
25.000000	0.244337	0.331865	0.678446
28.050461	0.229313	0.309896	0.632738
31.473135	0.213632	0.286409	0.583616
35.313439	0.198922	0.263644	0.535688
39.622330	0.185481	0.242568	0.491221
44.456985	0.175224	0.225543	0.454935
49.881558	0.166338	0.210476	0.422733
55.968028	0.159004	0.197954	0.395972
62.797161	0.152391	0.187000	0.372713
70.459573	0.146440	0.177465	0.352604
79.056942	0.140190	0.168123	0.333170
88.703347	0.133894	0.159566	0.315716
99.526793	0.128445	0.152810	0.302219
100.000000	0.119028	0.141033	0.278644