

Oconee (34.79° N, 82.90° 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	1.193084e-02	2.019605e-02	2.861705e-02	2.989996e-02	3.011515e-02	2.986376e-02	2.852049e-02
0.001122	1.123616e-02	1.920618e-02	2.810978e-02	2.966700e-02	2.996831e-02	2.971183e-02	2.802923e-02
0.001259	1.056239e-02	1.824094e-02	2.760408e-02	2.943025e-02	2.979863e-02	2.950133e-02	2.752607e-02
0.001413	9.921372e-03	1.727821e-02	2.702881e-02	2.914242e-02	2.959209e-02	2.925105e-02	2.695673e-02
0.001585	9.311314e-03	1.631911e-02	2.638397e-02	2.880143e-02	2.934243e-02	2.895627e-02	2.632007e-02
0.001778	8.730012e-03	1.537531e-02	2.566715e-02	2.839781e-02	2.904192e-02	2.861071e-02	2.561494e-02
0.001995	8.176536e-03	1.444969e-02	2.488538e-02	2.793426e-02	2.869002e-02	2.821260e-02	2.484704e-02
0.002239	7.646951e-03	1.355024e-02	2.403920e-02	2.740175e-02	2.827915e-02	2.775781e-02	2.401624e-02
0.002512	7.140134e-03	1.267660e-02	2.313161e-02	2.680024e-02	2.780700e-02	2.724372e-02	2.312511e-02
0.002818	6.651436e-03	1.183360e-02	2.216867e-02	2.612434e-02	2.726813e-02	2.666765e-02	2.217675e-02
0.003162	6.180910e-03	1.102161e-02	2.115841e-02	2.537891e-02	2.666392e-02	2.603014e-02	2.117835e-02
0.003548	5.723941e-03	1.024149e-02	2.011009e-02	2.456166e-02	2.599120e-02	2.533082e-02	2.013391e-02
0.003981	5.281141e-03	9.492869e-03	1.903052e-02	2.367789e-02	2.525217e-02	2.457129e-02	1.905046e-02
0.004467	4.849093e-03	8.773501e-03	1.793111e-02	2.272912e-02	2.444617e-02	2.375286e-02	1.793395e-02
0.005012	4.428953e-03	8.083172e-03	1.681790e-02	2.172164e-02	2.357679e-02	2.287854e-02	1.679216e-02
0.005623	4.019504e-03	7.417984e-03	1.570200e-02	2.066033e-02	2.264605e-02	2.195162e-02	1.563440e-02
0.006310	3.622449e-03	6.778531e-03	1.458905e-02	1.955305e-02	2.165943e-02	2.097693e-02	1.446950e-02
0.007079	3.238884e-03	6.161120e-03	1.348733e-02	1.840666e-02	2.062108e-02	1.995958e-02	1.331020e-02
0.007943	2.869885e-03	5.566859e-03	1.240128e-02	1.722930e-02	1.953754e-02	1.890566e-02	1.216456e-02
0.008913	2.519204e-03	4.994633e-03	1.133714e-02	1.603095e-02	1.841615e-02	1.782263e-02	1.104860e-02
0.010000	2.187947e-03	4.446349e-03	1.029947e-02	1.482096e-02	1.726543e-02	1.671847e-02	9.968915e-03
0.011220	1.880360e-03	3.923966e-03	9.293455e-03	1.361157e-02	1.609513e-02	1.560238e-02	8.942680e-03
0.012589	1.596362e-03	3.428890e-03	8.323031e-03	1.241170e-02	1.491465e-02	1.448323e-02	7.974838e-03
0.014125	1.340255e-03	2.966291e-03	7.396743e-03	1.123833e-02	1.373754e-02	1.337175e-02	7.074442e-03
0.015849	1.110847e-03	2.535940e-03	6.515317e-03	1.009610e-02	1.257109e-02	1.227781e-02	6.239580e-03
0.017783	9.111118e-04	2.144172e-03	5.689331e-03	9.003062e-03	1.143021e-02	1.122235e-02	5.477782e-03
0.019953	7.376278e-04	1.790336e-03	4.920889e-03	7.965454e-03	1.032467e-02	1.020712e-02	4.786075e-03
0.022387	5.908375e-04	1.478613e-03	4.218679e-03	6.997245e-03	9.267105e-03	9.235086e-03	4.166219e-03
0.025119	4.671688e-04	1.204859e-03	3.579554e-03	6.096683e-03	8.263585e-03	8.310452e-03	3.612178e-03
0.028184	3.657184e-04	9.711287e-04	3.010680e-03	5.274872e-03	7.322868e-03	7.439047e-03	3.122472e-03
0.031623	2.827982e-04	7.727574e-04	2.506965e-03	4.528862e-03	6.446861e-03	6.624226e-03	2.691017e-03
0.035481	2.167654e-04	6.094549e-04	2.071062e-03	3.863675e-03	5.642026e-03	5.869389e-03	2.314100e-03
0.039811	1.643410e-04	4.750425e-04	1.695040e-03	3.272595e-03	4.907055e-03	5.175092e-03	1.985571e-03
0.044668	1.237507e-04	3.673850e-04	1.377916e-03	2.756364e-03	4.244619e-03	4.541997e-03	1.700896e-03
0.050119	9.235994e-05	2.813480e-04	1.111057e-03	2.306681e-03	3.650798e-03	3.968547e-03	1.454649e-03
0.056234	6.861438e-05	2.143387e-04	8.911297e-04	1.921277e-03	3.125039e-03	3.453328e-03	1.242435e-03
0.063096	5.067636e-05	1.621507e-04	7.102266e-04	1.591659e-03	2.661846e-03	2.993293e-03	1.060008e-03
0.070795	3.736073e-05	1.223171e-04	5.640715e-04	1.313803e-03	2.258285e-03	2.585527e-03	9.014312e-04
0.079433	2.748362e-05	9.193614e-05	4.460313e-04	1.079918e-03	1.908153e-03	2.226054e-03	7.652122e-04
0.089125	2.024298e-05	6.909713e-05	3.520111e-04	8.854526e-04	1.607284e-03	1.911151e-03	6.485831e-04
0.100000	1.493547e-05	5.193292e-05	2.771673e-04	7.239476e-04	1.349674e-03	1.636619e-03	5.487944e-04
0.112202	1.106102e-05	3.911538e-05	2.181385e-04	5.909896e-04	1.130784e-03	1.398590e-03	4.635064e-04
0.125893	8.233009e-06	2.954544e-05	1.715768e-04	4.815947e-04	9.451722e-04	1.192567e-03	3.906676e-04
0.141254	6.159024e-06	2.239018e-05	1.349852e-04	3.920878e-04	7.885577e-04	1.014051e-03	3.285054e-04
0.158489	4.638280e-06	1.704085e-05	1.062292e-04	3.188646e-04	6.567973e-04	8.598338e-04	2.753656e-04

0.177828	3.510355e-06	1.301142e-05	8.362090e-05	2.590986e-04	5.463514e-04	7.275149e-04	2.301630e-04
0.199526	2.672578e-06	9.973592e-06	6.584572e-05	2.103212e-04	4.538905e-04	6.145815e-04	1.917918e-04
0.223872	2.041314e-06	7.659566e-06	5.182987e-05	1.705119e-04	3.766066e-04	5.184272e-04	1.592860e-04
0.251189	1.565437e-06	5.896310e-06	4.077585e-05	1.380165e-04	3.120063e-04	4.366453e-04	1.317814e-04
0.281838	1.201823e-06	4.540126e-06	3.203468e-05	1.114790e-04	2.580537e-04	3.671054e-04	1.085699e-04
0.316228	9.238241e-07	3.496273e-06	2.512210e-05	8.981405e-05	2.130165e-04	3.080094e-04	8.901735e-05
0.354813	7.093405e-07	2.688063e-06	1.965072e-05	7.213594e-05	1.754360e-04	2.578574e-04	7.260749e-05
0.398107	5.437724e-07	2.062281e-06	1.532127e-05	5.771876e-05	1.440901e-04	2.153551e-04	5.888631e-05
0.446684	4.155573e-07	1.577057e-06	1.190179e-05	4.599283e-05	1.179701e-04	1.793775e-04	4.747338e-05
0.501187	3.163002e-07	1.200944e-06	9.202324e-06	3.646403e-05	9.622359e-05	1.489544e-04	3.801220e-05
0.562341	2.396373e-07	9.103305e-07	7.081437e-06	2.876225e-05	7.816170e-05	1.232607e-04	3.022351e-05
0.630957	1.804764e-07	6.859377e-07	5.416797e-06	2.254556e-05	6.318452e-05	1.015926e-04	2.384473e-05
0.707946	1.351306e-07	5.139299e-07	4.119762e-06	1.756698e-05	5.081592e-05	8.336566e-05	1.866399e-05
0.794328	1.004147e-07	3.821933e-07	3.110260e-06	1.358598e-05	4.062496e-05	6.807594e-05	1.448027e-05
0.891251	7.410863e-08	2.822999e-07	2.332363e-06	1.043538e-05	3.227833e-05	5.529420e-05	1.113547e-05
1.000000	5.420617e-08	2.066644e-07	1.733824e-06	7.947150e-06	2.546496e-05	4.464638e-05	8.480121e-06
1.122019	3.934348e-08	1.501312e-07	1.278892e-06	6.005600e-06	1.994592e-05	3.581845e-05	6.397128e-06
1.258925	2.826319e-08	1.079434e-07	9.336985e-07	4.494013e-06	1.549323e-05	2.853456e-05	4.774044e-06
1.412538	2.013320e-08	7.695684e-08	6.757335e-07	3.334240e-06	1.193499e-05	2.256191e-05	3.525204e-06
1.584893	1.417480e-08	5.422234e-08	4.832233e-07	2.445761e-06	9.105072e-06	1.769115e-05	2.572167e-06
1.778279	9.884414e-09	3.783838e-08	3.420470e-07	1.776194e-06	6.878859e-06	1.374804e-05	1.854541e-06
1.995262	6.804984e-09	2.606532e-08	2.388435e-07	1.273574e-06	5.139118e-06	1.057914e-05	1.319455e-06
2.238721	4.635797e-09	1.776486e-08	1.648500e-07	9.028517e-07	3.795937e-06	8.053563e-06	9.255509e-07
2.511886	3.110075e-09	1.192083e-08	1.118910e-07	6.300747e-07	2.764954e-06	6.055994e-06	6.381030e-07
2.818383	2.058936e-09	7.892349e-09	7.482588e-08	4.333860e-07	1.984252e-06	4.490905e-06	4.318433e-07
3.162278	1.336925e-09	5.123529e-09	4.897667e-08	2.920546e-07	1.397759e-06	3.275593e-06	2.861674e-07
3.548134	8.517941e-10	3.263073e-09	3.138931e-08	1.926828e-07	9.636005e-07	2.342324e-06	1.846493e-07
3.981072	5.269012e-10	2.016890e-09	1.947592e-08	1.231579e-07	6.458088e-07	1.634239e-06	1.156254e-07
4.466836	3.180095e-10	1.216535e-09	1.178839e-08	7.663042e-08	4.205126e-07	1.107484e-06	7.022664e-08
5.011872	1.837013e-10	7.025098e-10	6.827747e-09	4.549866e-08	2.622045e-07	7.223167e-07	4.052472e-08
5.623413	1.124499e-10	4.303742e-10	4.183248e-09	2.801153e-08	1.670294e-07	4.810275e-07	2.429849e-08
6.309573	4.119842e-11	1.582386e-10	1.538750e-09	1.052440e-08	7.185427e-08	2.397383e-07	8.072268e-09

Oconee (34.79° N, 82.90° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.048576	0.058762	0.116701
0.561009	0.053047	0.065190	0.129979
0.629463	0.057605	0.071652	0.143294
0.706269	0.062222	0.078202	0.156801
0.792447	0.066936	0.084870	0.170546
0.889140	0.071763	0.091684	0.184588
0.997631	0.076682	0.098666	0.198998
1.000000	0.076785	0.098812	0.199298
1.122019	0.086092	0.115842	0.236267
1.258925	0.095896	0.132677	0.272493
1.412538	0.106145	0.149382	0.308113
1.584893	0.116812	0.166046	0.343340

1.778279	0.127878	0.182751	0.378387
1.995262	0.139368	0.199598	0.413489
2.238721	0.151298	0.216672	0.448856
2.500000	0.163165	0.233211	0.482883
2.805046	0.182461	0.266989	0.556076
3.147313	0.203216	0.300692	0.628021
3.531344	0.225292	0.334369	0.698888
3.962233	0.248607	0.368018	0.768721
4.445698	0.273056	0.401822	0.838090
4.988156	0.298637	0.435951	0.907450
5.000000	0.299176	0.436651	0.908860
5.610092	0.323419	0.478341	0.998945
6.294627	0.350115	0.522118	1.092619
7.062688	0.379651	0.568501	1.190909
7.924466	0.412548	0.618005	1.294738
8.891397	0.449137	0.671010	1.404842
9.976312	0.489524	0.727253	1.520457
10.000000	0.490403	0.728460	1.522928
11.220185	0.505866	0.755653	1.581994
12.589254	0.523716	0.786267	1.648161
14.125375	0.544365	0.821358	1.723868
15.848932	0.567398	0.859904	1.806763
17.782794	0.591217	0.898970	1.890408
19.952623	0.615107	0.937483	1.972548
22.387211	0.636789	0.970971	2.043242
25.000000	0.640854	0.975462	2.051797
28.050461	0.636701	0.967550	2.034318
31.473135	0.625700	0.949780	1.996403
35.313439	0.609530	0.923967	1.941480
39.622330	0.587058	0.889892	1.869875
44.456985	0.568562	0.861667	1.810468
49.881558	0.547118	0.829079	1.741951
55.968028	0.520578	0.788763	1.657191
62.797161	0.488294	0.740249	1.555474
70.459573	0.451092	0.683771	1.436757
79.056942	0.408831	0.618573	1.299164
88.703347	0.364639	0.550007	1.154265
99.526793	0.325620	0.489665	1.026850
100.000000	0.295600	0.444718	0.932697