

Harris (35.63° N, 78.96° 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	7.297909e-03	1.202500e-02	1.839453e-02	1.969829e-02	1.992354e-02	1.960915e-02	1.814759e-02
0.001122	7.185801e-03	1.185355e-02	1.817779e-02	1.958767e-02	1.984144e-02	1.937422e-02	1.793171e-02
0.001259	6.995377e-03	1.148924e-02	1.783913e-02	1.938122e-02	1.966083e-02	1.911433e-02	1.742796e-02
0.001413	6.717447e-03	1.099104e-02	1.737469e-02	1.910686e-02	1.944391e-02	1.880713e-02	1.685826e-02
0.001585	6.384183e-03	1.041931e-02	1.684385e-02	1.878554e-02	1.918262e-02	1.844702e-02	1.623217e-02
0.001778	6.047732e-03	9.830983e-03	1.626670e-02	1.840830e-02	1.886886e-02	1.802771e-02	1.554709e-02
0.001995	5.723989e-03	9.255706e-03	1.564508e-02	1.797280e-02	1.849844e-02	1.755199e-02	1.480966e-02
0.002239	5.411310e-03	8.700432e-03	1.498319e-02	1.747633e-02	1.806917e-02	1.701647e-02	1.402932e-02
0.002512	5.107299e-03	8.166377e-03	1.428544e-02	1.691794e-02	1.757755e-02	1.642266e-02	1.321420e-02
0.002818	4.808979e-03	7.653355e-03	1.355723e-02	1.629684e-02	1.702271e-02	1.577307e-02	1.237381e-02
0.003162	4.514348e-03	7.160644e-03	1.280430e-02	1.561613e-02	1.640608e-02	1.507428e-02	1.151991e-02
0.003548	4.221237e-03	6.686638e-03	1.203339e-02	1.488083e-02	1.573238e-02	1.433388e-02	1.066428e-02
0.003981	3.928646e-03	6.229595e-03	1.125080e-02	1.409756e-02	1.500690e-02	1.355892e-02	9.818090e-03
0.004467	3.635861e-03	5.787305e-03	1.046372e-02	1.327568e-02	1.423757e-02	1.276074e-02	8.990770e-03
0.005012	3.343155e-03	5.357849e-03	9.678223e-03	1.242454e-02	1.343314e-02	1.194642e-02	8.191299e-03
0.005623	3.051510e-03	4.939475e-03	8.901896e-03	1.155679e-02	1.260384e-02	1.112870e-02	7.426054e-03
0.006310	2.762563e-03	4.531131e-03	8.140642e-03	1.068323e-02	1.176048e-02	1.031390e-02	6.700882e-03
0.007079	2.478806e-03	4.132483e-03	7.402033e-03	9.817097e-03	1.091361e-02	9.513420e-03	6.018859e-03
0.007943	2.202837e-03	3.743917e-03	6.691044e-03	8.967962e-03	1.007351e-02	8.731614e-03	5.382408e-03
0.008913	1.937694e-03	3.366766e-03	6.014241e-03	8.146687e-03	9.248998e-03	7.977584e-03	4.791834e-03
0.010000	1.685746e-03	3.002869e-03	5.375043e-03	7.360172e-03	8.448555e-03	7.253969e-03	4.247185e-03
0.011220	1.449789e-03	2.654741e-03	4.777765e-03	6.615341e-03	7.678360e-03	6.566669e-03	3.746473e-03
0.012589	1.232004e-03	2.324850e-03	4.223623e-03	5.915457e-03	6.943801e-03	5.916499e-03	3.264344e-03
0.014125	1.034542e-03	2.015921e-03	3.714211e-03	5.263585e-03	6.248395e-03	5.306310e-03	2.805902e-03
0.015849	8.580601e-04	1.729908e-03	3.248512e-03	4.659884e-03	5.594769e-03	4.707503e-03	2.395187e-03
0.017783	7.029875e-04	1.468416e-03	2.825735e-03	4.104248e-03	4.983726e-03	4.143236e-03	2.029833e-03
0.019953	5.687751e-04	1.232482e-03	2.443841e-03	3.595440e-03	4.416334e-03	3.625625e-03	1.706974e-03
0.022387	4.546114e-04	1.022741e-03	2.100821e-03	3.132136e-03	3.891892e-03	3.154522e-03	1.424862e-03
0.025119	3.589247e-04	8.389327e-04	1.793827e-03	2.711815e-03	3.408550e-03	2.727922e-03	1.179842e-03
0.028184	2.799861e-04	6.801702e-04	1.520447e-03	2.332077e-03	2.966270e-03	2.344398e-03	9.690374e-04
0.031623	2.157423e-04	5.449160e-04	1.278211e-03	1.990527e-03	2.564683e-03	2.001757e-03	7.885067e-04
0.035481	1.642698e-04	4.313361e-04	1.065315e-03	1.685791e-03	2.202418e-03	1.697650e-03	6.359457e-04
0.039811	1.235907e-04	3.372845e-04	8.794315e-04	1.415616e-03	1.877830e-03	1.429592e-03	5.087532e-04
0.044668	9.191431e-05	2.605431e-04	7.187955e-04	1.178208e-03	1.589038e-03	1.195066e-03	4.043257e-04
0.050119	6.756518e-05	1.988028e-04	5.811029e-04	9.711726e-04	1.334122e-03	9.915190e-04	3.192876e-04
0.056234	4.911663e-05	1.498383e-04	4.646209e-04	7.926433e-04	1.110932e-03	8.164036e-04	2.486070e-04
0.063096	3.531501e-05	1.115407e-04	3.670577e-04	6.401319e-04	9.173323e-04	6.670293e-04	1.906649e-04
0.070795	2.512832e-05	8.201809e-05	2.865986e-04	5.115637e-04	7.509336e-04	5.408402e-04	1.449583e-04
0.079433	1.769900e-05	5.958105e-05	2.209831e-04	4.043175e-04	6.093714e-04	4.352155e-04	1.095059e-04
0.089125	1.234967e-05	4.277160e-05	1.683763e-04	3.161491e-04	4.901150e-04	3.480931e-04	8.227321e-05
0.100000	8.541199e-06	3.035144e-05	1.266904e-04	2.445029e-04	3.907743e-04	2.773797e-04	6.144643e-05
0.112202	5.861263e-06	2.130248e-05	9.422392e-05	1.871733e-04	3.089162e-04	2.203427e-04	4.573918e-05
0.125893	3.994888e-06	1.479937e-05	6.923974e-05	1.418232e-04	2.422610e-04	1.739846e-04	3.390481e-05
0.141254	2.708162e-06	1.018784e-05	5.034732e-05	1.064708e-04	1.884733e-04	1.365308e-04	2.506141e-05
0.158489	1.828833e-06	6.958635e-06	3.622434e-05	7.921970e-05	1.455086e-04	1.065058e-04	1.850513e-05

0.177828	1.232715e-06	4.723701e-06	2.583277e-05	5.850472e-05	1.115320e-04	8.268463e-05	1.367059e-05
0.199526	8.312161e-07	3.193413e-06	1.826742e-05	4.292734e-05	8.496532e-05	6.393441e-05	1.012164e-05
0.223872	5.619776e-07	2.155055e-06	1.283777e-05	3.135457e-05	6.438802e-05	4.928868e-05	7.513010e-06
0.251189	3.819701e-07	1.455746e-06	8.977123e-06	2.282489e-05	4.860049e-05	3.788124e-05	5.586516e-06
0.281838	2.615694e-07	9.870682e-07	6.261723e-06	1.659115e-05	3.656629e-05	2.905367e-05	4.167023e-06
0.316228	1.808947e-07	6.737313e-07	4.363582e-06	1.206210e-05	2.746472e-05	2.225385e-05	3.119631e-06
0.354813	1.265003e-07	4.639993e-07	3.045348e-06	8.788094e-06	2.061722e-05	1.704385e-05	2.339683e-06
0.398107	8.954538e-08	3.230433e-07	2.132830e-06	6.426909e-06	1.549096e-05	1.306035e-05	1.755263e-06
0.446684	6.415670e-08	2.275597e-07	1.501413e-06	4.721432e-06	1.166158e-05	1.002034e-05	1.315271e-06
0.501187	4.649810e-08	1.621831e-07	1.064167e-06	3.487297e-06	8.804158e-06	7.700043e-06	9.834896e-07
0.562341	3.400452e-08	1.168323e-07	7.596331e-07	2.589477e-06	6.668419e-06	5.926746e-06	7.329871e-07
0.630957	2.503058e-08	8.492155e-08	5.464664e-07	1.932616e-06	5.067919e-06	4.569015e-06	5.436461e-07
0.707946	1.850179e-08	6.214963e-08	3.956317e-07	1.448144e-06	3.863944e-06	3.525637e-06	4.009868e-07
0.794328	1.370191e-08	4.568969e-08	2.881445e-07	1.088512e-06	2.952909e-06	2.721428e-06	2.937941e-07
0.891251	1.014380e-08	3.367259e-08	2.106871e-07	8.194309e-07	2.260000e-06	2.098727e-06	2.133958e-07
1.000000	7.489807e-09	2.483803e-08	1.544289e-07	6.168239e-07	1.729649e-06	1.615157e-06	1.535508e-07
1.122019	5.503460e-09	1.831470e-08	1.132393e-07	4.635897e-07	1.322392e-06	1.238932e-06	1.093277e-07
1.258925	4.017611e-09	1.347240e-08	8.293381e-08	3.475212e-07	1.008381e-06	9.456944e-07	7.695214e-08
1.412538	2.913143e-09	9.864729e-09	6.057344e-08	2.594775e-07	7.657359e-07	7.171647e-07	5.346452e-08
1.584893	2.096310e-09	7.178473e-09	4.405582e-08	1.927195e-07	5.782141e-07	5.394238e-07	3.657816e-08
1.778279	1.495972e-09	5.185835e-09	3.190121e-08	1.422847e-07	4.333990e-07	4.015264e-07	2.456340e-08
1.995262	1.057584e-09	3.714718e-09	2.299058e-08	1.043045e-07	3.218075e-07	2.950810e-07	1.616144e-08
2.238721	7.402161e-10	2.635329e-09	1.649370e-08	7.587849e-08	2.362356e-07	2.136482e-07	1.041802e-08
2.511886	5.123863e-10	1.848542e-09	1.175216e-08	5.468200e-08	1.710714e-07	1.518882e-07	6.551365e-09
2.818383	3.505246e-10	1.279194e-09	8.300539e-09	3.891215e-08	1.219560e-07	1.057486e-07	3.970453e-09
3.162278	2.366288e-10	8.714806e-10	5.795540e-09	2.704034e-08	8.540991e-08	7.161621e-08	2.298323e-09
3.548134	1.573927e-10	5.840405e-10	3.995752e-09	1.811560e-08	5.858179e-08	4.670234e-08	1.263758e-09
3.981072	1.028722e-10	3.845901e-10	2.712210e-09	1.182765e-08	3.887478e-08	2.902610e-08	6.620477e-10
4.466836	6.591286e-11	2.483465e-10	1.809627e-09	7.614996e-09	2.452298e-08	1.690440e-08	3.443771e-10
5.011872	4.120877e-11	1.567614e-10	1.180528e-09	4.815636e-09	1.492548e-08	8.772681e-09	1.668172e-10
5.623413	2.777431e-11	1.064518e-10	8.124702e-10	3.258103e-09	9.709594e-09	5.010182e-09	8.851343e-11
6.309573	1.433984e-11	5.614215e-11	4.444124e-10	1.700571e-09	4.493712e-09	1.247683e-09	1.020967e-11

Harris (35.63° N, 78.96° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.043228	0.048775	0.095196
0.561009	0.046036	0.052144	0.101868
0.629463	0.048827	0.055253	0.107918
0.706269	0.051948	0.058598	0.114361
0.792447	0.055752	0.062589	0.122003
0.889140	0.060502	0.067620	0.131663
0.997631	0.065625	0.072949	0.141846
1.000000	0.065730	0.073056	0.142050
1.122019	0.071066	0.080501	0.157270
1.258925	0.075533	0.086443	0.169312
1.412538	0.079420	0.091190	0.178756
1.584893	0.083836	0.096297	0.188786

1.778279	0.089212	0.102350	0.200594
1.995262	0.094343	0.107871	0.211234
2.238721	0.102822	0.117108	0.229100
2.500000	0.109636	0.124187	0.242615
2.805046	0.114487	0.130929	0.256400
3.147313	0.120685	0.139261	0.273328
3.531344	0.125995	0.146490	0.288058
3.962233	0.132056	0.154657	0.304674
4.445698	0.137094	0.161492	0.318601
4.988156	0.144745	0.171378	0.338534
5.000000	0.144924	0.171607	0.338997
5.610092	0.150642	0.181354	0.359735
6.294627	0.156736	0.191432	0.381098
7.062688	0.163874	0.202799	0.405057
7.924466	0.171528	0.214529	0.429620
8.891397	0.178944	0.225711	0.452974
9.976312	0.186089	0.236399	0.475269
10.000000	0.186233	0.236613	0.475712
11.220185	0.182677	0.233644	0.470527
12.589254	0.180805	0.232932	0.469942
14.125375	0.176968	0.229773	0.464474
15.848932	0.173111	0.226715	0.459282
17.782794	0.168465	0.222594	0.451934
19.952623	0.164887	0.219708	0.447014
22.387211	0.163098	0.219255	0.447080
25.000000	0.161425	0.216530	0.441282
28.050461	0.159940	0.214104	0.436118
31.473135	0.157443	0.210454	0.428525
35.313439	0.153835	0.205419	0.418165
39.622330	0.148934	0.198758	0.404548
44.456985	0.143425	0.190841	0.388145
49.881558	0.135492	0.178641	0.362500
55.968028	0.126440	0.164012	0.331462
62.797161	0.118096	0.150828	0.303637
70.459573	0.111250	0.140771	0.282733
79.056942	0.103990	0.130245	0.260925
88.703347	0.096205	0.118775	0.237093
99.526793	0.089516	0.109643	0.218429
100.000000	0.082391	0.100682	0.200460