

Ginna (43.28° N, 77.31° 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	4.601755e-03	8.882189e-03	1.454028e-02	1.569515e-02	1.589782e-02	1.558447e-02	1.414065e-02
0.001122	4.250717e-03	8.569017e-03	1.445266e-02	1.565892e-02	1.583846e-02	1.550566e-02	1.402349e-02
0.001259	3.890037e-03	8.092490e-03	1.423583e-02	1.553731e-02	1.568938e-02	1.528714e-02	1.366932e-02
0.001413	3.548132e-03	7.538846e-03	1.386213e-02	1.531105e-02	1.548294e-02	1.502098e-02	1.316361e-02
0.001585	3.224337e-03	6.981979e-03	1.340318e-02	1.503263e-02	1.523918e-02	1.471561e-02	1.261271e-02
0.001778	2.918559e-03	6.439236e-03	1.289968e-02	1.471050e-02	1.495114e-02	1.436372e-02	1.201740e-02
0.001995	2.630708e-03	5.913349e-03	1.235486e-02	1.433890e-02	1.461521e-02	1.396376e-02	1.138229e-02
0.002239	2.360606e-03	5.407102e-03	1.177211e-02	1.391658e-02	1.423031e-02	1.351730e-02	1.071584e-02
0.002512	2.107474e-03	4.921812e-03	1.115644e-02	1.344411e-02	1.379540e-02	1.302477e-02	1.002670e-02
0.002818	1.871476e-03	4.459076e-03	1.051314e-02	1.292205e-02	1.331049e-02	1.248837e-02	9.323119e-03
0.003162	1.652238e-03	4.019868e-03	9.848015e-03	1.235264e-02	1.277754e-02	1.191230e-02	8.614443e-03
0.003548	1.450054e-03	3.605367e-03	9.168048e-03	1.174018e-02	1.220070e-02	1.130268e-02	7.910357e-03
0.003981	1.264208e-03	3.215975e-03	8.480649e-03	1.109077e-02	1.158523e-02	1.066632e-02	7.219837e-03
0.004467	1.095040e-03	2.852374e-03	7.793378e-03	1.041131e-02	1.093745e-02	1.001027e-02	6.550551e-03
0.005012	9.415747e-04	2.514492e-03	7.113358e-03	9.709657e-03	1.026479e-02	9.342811e-03	5.909113e-03
0.005623	8.040305e-04	2.202710e-03	6.447727e-03	8.994433e-03	9.575233e-03	8.671251e-03	5.300749e-03
0.006310	6.812125e-04	1.916625e-03	5.802851e-03	8.274530e-03	8.877440e-03	8.004067e-03	4.729464e-03
0.007079	5.730897e-04	1.656275e-03	5.184817e-03	7.559164e-03	8.179828e-03	7.347818e-03	4.197935e-03
0.007943	4.784378e-04	1.420817e-03	4.598534e-03	6.856845e-03	7.490688e-03	6.709658e-03	3.707615e-03
0.008913	3.969039e-04	1.209884e-03	4.048307e-03	6.175699e-03	6.817376e-03	6.094404e-03	3.258887e-03
0.010000	3.265838e-04	1.022258e-03	3.537106e-03	5.522544e-03	6.166825e-03	5.507421e-03	2.851298e-03
0.011220	2.668545e-04	8.571082e-04	3.067245e-03	4.903581e-03	5.544646e-03	4.951681e-03	2.483403e-03
0.012589	2.162862e-04	7.128600e-04	2.639680e-03	4.323252e-03	4.955548e-03	4.430305e-03	2.149911e-03
0.014125	1.741457e-04	5.884212e-04	2.254685e-03	3.785086e-03	4.402911e-03	3.944415e-03	1.845053e-03
0.015849	1.391099e-04	4.819685e-04	1.911373e-03	3.290973e-03	3.889231e-03	3.494662e-03	1.573789e-03
0.017783	1.103709e-04	3.918025e-04	1.608349e-03	2.841932e-03	3.415604e-03	3.077642e-03	1.336630e-03
0.019953	8.689755e-05	3.160040e-04	1.343374e-03	2.437500e-03	2.982609e-03	2.693196e-03	1.130690e-03
0.022387	6.802792e-05	2.530004e-04	1.114022e-03	2.076875e-03	2.589816e-03	2.345443e-03	9.528834e-04
0.025119	5.289611e-05	2.010284e-04	9.173651e-04	1.758194e-03	2.235930e-03	2.033230e-03	8.001954e-04
0.028184	4.090488e-05	1.586147e-04	7.502762e-04	1.479028e-03	1.919325e-03	1.754266e-03	6.696457e-04
0.031623	3.143963e-05	1.242617e-04	6.094501e-04	1.236305e-03	1.638509e-03	1.506742e-03	5.585802e-04
0.035481	2.405620e-05	9.671663e-05	4.917945e-04	1.027154e-03	1.391345e-03	1.288297e-03	4.644938e-04
0.039811	1.831180e-05	7.477424e-05	3.943074e-04	8.483631e-04	1.175389e-03	1.096800e-03	3.851373e-04
0.044668	1.388605e-05	5.747482e-05	3.142207e-04	6.967697e-04	9.879612e-04	9.297438e-04	3.184435e-04
0.050119	1.048356e-05	4.393149e-05	2.489326e-04	5.691669e-04	8.264119e-04	7.849516e-04	2.625971e-04
0.056234	7.891308e-06	3.342136e-05	1.961333e-04	4.625887e-04	6.880605e-04	6.600476e-04	2.159818e-04
0.063096	5.920145e-06	2.531046e-05	1.537401e-04	3.741743e-04	5.703603e-04	5.529732e-04	1.770250e-04
0.070795	4.432006e-06	1.909882e-05	1.199513e-04	3.013573e-04	4.708382e-04	4.615996e-04	1.439720e-04
0.079433	3.310501e-06	1.436539e-05	9.319313e-05	2.417554e-04	3.872025e-04	3.840685e-04	1.167096e-04
0.089125	2.470065e-06	1.077973e-05	7.213974e-05	1.932812e-04	3.173045e-04	3.185589e-04	9.440530e-05
0.100000	1.841106e-06	8.073798e-06	5.567085e-05	1.540636e-04	2.592100e-04	2.634920e-04	7.619923e-05
0.112202	1.372254e-06	6.040655e-06	4.286178e-05	1.224996e-04	2.111697e-04	2.174049e-04	6.137775e-05
0.125893	1.023066e-06	4.517169e-06	3.294388e-05	9.719417e-05	1.716384e-04	1.791301e-04	4.932574e-05
0.141254	7.634234e-07	3.378410e-06	2.529469e-05	7.698712e-05	1.392237e-04	1.475279e-04	3.956903e-05
0.158489	5.704638e-07	2.528407e-06	1.941259e-05	6.090547e-05	1.127198e-04	1.213025e-04	3.163840e-05

0.177828	4.269644e-07	1.894349e-06	1.489806e-05	4.814065e-05	9.111314e-05	9.956229e-05	2.521054e-05
0.199526	3.202017e-07	1.421332e-06	1.143672e-05	3.802510e-05	7.354777e-05	8.158645e-05	2.003148e-05
0.223872	2.405429e-07	1.068032e-06	8.783767e-06	3.001900e-05	5.929754e-05	6.675180e-05	1.588129e-05
0.251189	1.810684e-07	8.038274e-07	6.750092e-06	2.368517e-05	4.775142e-05	5.453263e-05	1.256370e-05
0.281838	1.364704e-07	6.057609e-07	5.189721e-06	1.867431e-05	3.839871e-05	4.448089e-05	9.912208e-06
0.316228	1.029808e-07	4.569831e-07	3.990851e-06	1.470967e-05	3.083456e-05	3.621896e-05	7.784316e-06
0.354813	7.773737e-08	3.449043e-07	3.068375e-06	1.157265e-05	2.472413e-05	2.943572e-05	6.067451e-06
0.398107	5.867655e-08	2.603014e-07	2.357691e-06	9.090782e-06	1.979086e-05	2.387225e-05	4.704361e-06
0.446684	4.422584e-08	1.962870e-07	1.809479e-06	7.126767e-06	1.580929e-05	1.931449e-05	3.637744e-06
0.501187	3.326242e-08	1.477853e-07	1.386315e-06	5.572903e-06	1.259698e-05	1.558461e-05	2.803480e-06
0.562341	2.493991e-08	1.110060e-07	1.059597e-06	4.344619e-06	1.000793e-05	1.253017e-05	2.151514e-06
0.630957	1.862290e-08	8.311290e-08	8.073979e-07	3.374731e-06	7.924480e-06	1.003811e-05	1.631510e-06
0.707946	1.384028e-08	6.198179e-08	6.128862e-07	2.610454e-06	6.249880e-06	8.009370e-06	1.224636e-06
0.794328	1.022093e-08	4.599972e-08	4.631469e-07	2.009675e-06	4.905848e-06	6.358938e-06	9.128510e-07
0.891251	7.496669e-09	3.395606e-08	3.481998e-07	1.538949e-06	3.829974e-06	5.020729e-06	6.666910e-07
1.000000	5.453801e-09	2.491110e-08	2.602237e-07	1.171314e-06	2.970915e-06	3.939259e-06	4.786517e-07
1.122019	3.935631e-09	1.814942e-08	1.931787e-07	8.854436e-07	2.287501e-06	3.068290e-06	3.435608e-07
1.258925	2.810863e-09	1.311072e-08	1.423283e-07	6.642701e-07	1.746797e-06	2.367961e-06	2.445846e-07
1.412538	1.987214e-09	9.383101e-09	1.039891e-07	4.940626e-07	1.321504e-06	1.808391e-06	1.708974e-07
1.584893	1.386177e-09	6.641769e-09	7.525850e-08	3.638405e-07	9.885881e-07	1.363518e-06	1.166496e-07
1.778279	9.534071e-10	4.642815e-09	5.388309e-08	2.649033e-07	7.296270e-07	1.011123e-06	7.732805e-08
1.995262	6.435566e-10	3.195202e-09	3.809957e-08	1.902428e-07	5.296380e-07	7.348314e-07	4.940897e-08
2.238721	4.250255e-10	2.157712e-09	2.655549e-08	1.343822e-07	3.763143e-07	5.202654e-07	3.004360e-08
2.511886	2.716284e-10	1.420134e-09	1.818352e-08	9.293439e-08	2.597615e-07	3.540082e-07	1.711138e-08
2.818383	1.656949e-10	9.027401e-10	1.215679e-08	6.250363e-08	1.718520e-07	2.269383e-07	8.541311e-09
3.162278	1.047678e-10	6.003450e-10	8.481725e-09	4.335793e-08	1.146782e-07	1.438872e-07	4.298099e-09
3.548134	4.384071e-11	2.979500e-10	4.806658e-09	2.421222e-08	5.750429e-08	6.083601e-08	5.488742e-11

Ginna (43.28° N, 77.31° E), Response Spectra

Frequency (Hz)	UHSR 1E-4 (g)	GMRS (g)	UHSR 1E-5 (g)
0.500000	0.018648	0.025057	0.051087
0.561009	0.021010	0.028141	0.057331
0.629463	0.023429	0.031203	0.063478
0.706269	0.025952	0.034350	0.069771
0.792447	0.028678	0.037718	0.076492
0.889140	0.031661	0.041387	0.083802
0.997631	0.034872	0.045332	0.091664
1.000000	0.034941	0.045416	0.091831
1.122019	0.039880	0.052623	0.106804
1.258925	0.045271	0.060298	0.122669
1.412538	0.051025	0.068338	0.139217
1.584893	0.056932	0.076479	0.155920
1.778279	0.062567	0.084176	0.171677
1.995262	0.067816	0.091322	0.186294
2.238721	0.072560	0.097753	0.199435
2.500000	0.076919	0.103682	0.211559
2.805046	0.082844	0.114697	0.235606

3.147313	0.089788	0.126882	0.261974
3.531344	0.098360	0.141161	0.292583
3.962233	0.108090	0.156865	0.326040
4.445698	0.116933	0.171001	0.356102
4.988156	0.124122	0.182442	0.380412
5.000000	0.124263	0.182664	0.380884
5.610092	0.128443	0.192247	0.402678
6.294627	0.133950	0.203526	0.427909
7.062688	0.141561	0.217682	0.459043
7.924466	0.150836	0.234120	0.494860
8.891397	0.159893	0.249788	0.528833
9.976312	0.168905	0.265089	0.561876
10.000000	0.169096	0.265408	0.562561
11.220185	0.169081	0.267215	0.567367
12.589254	0.168427	0.268207	0.570551
14.125375	0.169605	0.272181	0.580128
15.848932	0.169973	0.275132	0.587681
17.782794	0.173199	0.282894	0.605626
19.952623	0.176734	0.291070	0.624420
22.387211	0.177374	0.294173	0.632182
25.000000	0.177075	0.293317	0.630148
28.050461	0.175952	0.290928	0.624733
31.473135	0.173067	0.285237	0.612018
35.313439	0.169982	0.279107	0.598305
39.622330	0.164638	0.269000	0.575929
44.456985	0.159191	0.258991	0.553907
49.881558	0.152324	0.246181	0.525638
55.968028	0.143395	0.229765	0.489533
62.797161	0.133524	0.212206	0.451200
70.459573	0.123647	0.194532	0.412574
79.056942	0.113229	0.176223	0.372735
88.703347	0.103049	0.159248	0.336236
99.526793	0.094353	0.145421	0.306836
100.000000	0.086383	0.133030	0.280634