

St. Lucie (27.35° N, 80.25° 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	1.803778e-03	2.164743e-03	2.510642e-03	2.570393e-03	2.575998e-03	2.517694e-03	2.354412e-03
0.001122	1.803778e-03	2.164743e-03	2.510642e-03	2.570392e-03	2.575998e-03	2.517694e-03	2.354412e-03
0.001259	1.803778e-03	2.164743e-03	2.510642e-03	2.570387e-03	2.575993e-03	2.517694e-03	2.354412e-03
0.001413	1.803776e-03	2.164743e-03	2.510640e-03	2.570365e-03	2.575831e-03	2.517693e-03	2.354412e-03
0.001585	1.803668e-03	2.164743e-03	2.510630e-03	2.570286e-03	2.574318e-03	2.517591e-03	2.354412e-03
0.001778	1.801921e-03	2.164743e-03	2.510565e-03	2.570015e-03	2.568834e-03	2.515741e-03	2.354412e-03
0.001995	1.792992e-03	2.164733e-03	2.510241e-03	2.568784e-03	2.556478e-03	2.504673e-03	2.354394e-03
0.002239	1.773934e-03	2.164599e-03	2.508974e-03	2.564161e-03	2.535346e-03	2.477003e-03	2.353406e-03
0.002512	1.745400e-03	2.163598e-03	2.505084e-03	2.553773e-03	2.506596e-03	2.438301e-03	2.340784e-03
0.002818	1.703328e-03	2.159394e-03	2.495997e-03	2.536759e-03	2.471462e-03	2.392894e-03	2.296630e-03
0.003162	1.646577e-03	2.148020e-03	2.479646e-03	2.513036e-03	2.429285e-03	2.339979e-03	2.231043e-03
0.003548	1.578414e-03	2.124384e-03	2.455369e-03	2.482849e-03	2.379194e-03	2.278848e-03	2.156516e-03
0.003981	1.502236e-03	2.084868e-03	2.423450e-03	2.446086e-03	2.320541e-03	2.209248e-03	2.072879e-03
0.004467	1.420575e-03	2.032233e-03	2.384645e-03	2.402238e-03	2.252784e-03	2.130936e-03	1.979704e-03
0.005012	1.334973e-03	1.971472e-03	2.339522e-03	2.350672e-03	2.175582e-03	2.043863e-03	1.877484e-03
0.005623	1.246345e-03	1.904991e-03	2.288019e-03	2.290757e-03	2.088906e-03	1.948349e-03	1.766877e-03
0.006310	1.155483e-03	1.833419e-03	2.229670e-03	2.221952e-03	1.993090e-03	1.845156e-03	1.648768e-03
0.007079	1.063254e-03	1.756843e-03	2.163945e-03	2.143898e-03	1.888791e-03	1.735316e-03	1.524627e-03
0.007943	9.706333e-04	1.675284e-03	2.090398e-03	2.056472e-03	1.776983e-03	1.620125e-03	1.396409e-03
0.008913	8.786671e-04	1.588858e-03	2.008728e-03	1.959847e-03	1.658967e-03	1.501144e-03	1.266413e-03
0.010000	7.884177e-04	1.497858e-03	1.918839e-03	1.854508e-03	1.536319e-03	1.380079e-03	1.136893e-03
0.011220	7.009332e-04	1.402785e-03	1.820888e-03	1.741294e-03	1.410848e-03	1.258797e-03	1.010275e-03
0.012589	6.172100e-04	1.304327e-03	1.715324e-03	1.621398e-03	1.284473e-03	1.139104e-03	8.886445e-04
0.014125	5.382221e-04	1.203347e-03	1.602925e-03	1.496352e-03	1.159159e-03	1.022759e-03	7.740058e-04
0.015849	4.647735e-04	1.100872e-03	1.484802e-03	1.367957e-03	1.036789e-03	9.112615e-04	6.677885e-04
0.017783	3.973493e-04	9.980635e-04	1.362394e-03	1.238223e-03	9.191166e-04	8.059481e-04	5.711122e-04
0.019953	3.363179e-04	8.961840e-04	1.237413e-03	1.109261e-03	8.076465e-04	7.077893e-04	4.844731e-04
0.022387	2.818778e-04	7.965327e-04	1.111781e-03	9.831813e-04	7.035983e-04	6.174642e-04	4.080020e-04
0.025119	2.338953e-04	7.003890e-04	9.875291e-04	8.619713e-04	6.078458e-04	5.346479e-04	3.403431e-04
0.028184	1.920667e-04	6.089412e-04	8.666927e-04	7.473966e-04	5.209191e-04	4.550735e-04	2.760167e-04
0.031623	1.559930e-04	5.232518e-04	7.511919e-04	6.409060e-04	4.426968e-04	3.726632e-04	2.146996e-04
0.035481	1.252644e-04	4.441943e-04	6.427201e-04	5.435689e-04	3.719576e-04	2.936849e-04	1.638468e-04
0.039811	9.943904e-05	3.723914e-04	5.426435e-04	4.560633e-04	3.078608e-04	2.277674e-04	1.245314e-04
0.044668	7.804110e-05	3.081237e-04	4.519339e-04	3.785784e-04	2.506737e-04	1.755050e-04	9.463503e-05
0.050119	6.056348e-05	2.513723e-04	3.711604e-04	3.105806e-04	2.012344e-04	1.346549e-04	7.206293e-05
0.056234	4.648845e-05	2.019965e-04	3.005191e-04	2.513424e-04	1.601278e-04	1.030334e-04	5.509047e-05
0.063096	3.530077e-05	1.598522e-04	2.398517e-04	2.007436e-04	1.268384e-04	7.874801e-05	4.234467e-05
0.070795	2.652292e-05	1.246258e-04	1.886496e-04	1.584710e-04	1.002189e-04	6.021000e-05	3.274714e-05
0.079433	1.972579e-05	9.575462e-05	1.461826e-04	1.239180e-04	7.908860e-05	4.612382e-05	2.545015e-05
0.089125	1.452967e-05	7.251468e-05	1.116590e-04	9.625338e-05	6.239844e-05	3.544800e-05	1.981879e-05
0.100000	1.060571e-05	5.413172e-05	8.420984e-05	7.445675e-05	4.923984e-05	2.735179e-05	1.538325e-05
0.112202	7.675681e-06	3.983279e-05	6.283951e-05	5.748019e-05	3.887395e-05	2.118856e-05	1.186419e-05
0.125893	5.512344e-06	2.889171e-05	4.649993e-05	4.436084e-05	3.073058e-05	1.646584e-05	9.106906e-06
0.141254	3.931994e-06	2.066432e-05	3.419605e-05	3.425556e-05	2.431104e-05	1.281869e-05	6.966320e-06
0.158489	2.790948e-06	1.459098e-05	2.504522e-05	2.648438e-05	1.920653e-05	9.978809e-06	5.298243e-06

0.177828	1.976339e-06	1.018670e-05	1.830019e-05	2.051232e-05	1.515614e-05	7.768905e-06	3.995233e-06
0.199526	1.399021e-06	7.045479e-06	1.335630e-05	1.589426e-05	1.194179e-05	6.038298e-06	2.980742e-06
0.223872	9.922993e-07	4.841531e-06	9.747232e-06	1.230659e-05	9.357428e-06	4.658871e-06	2.197602e-06
0.251189	7.072464e-07	3.317062e-06	7.124565e-06	9.522261e-06	7.283402e-06	3.561203e-06	1.599665e-06
0.281838	5.079024e-07	2.273136e-06	5.225694e-06	7.355955e-06	5.643987e-06	2.701473e-06	1.147813e-06
0.316228	3.679991e-07	1.563394e-06	3.849165e-06	5.661793e-06	4.341998e-06	2.023488e-06	8.110335e-07
0.354813	2.689147e-07	1.083692e-06	2.845389e-06	4.337459e-06	3.301430e-06	1.490817e-06	5.636615e-07
0.398107	1.981345e-07	7.598900e-07	2.109016e-06	3.301932e-06	2.489202e-06	1.083612e-06	3.843565e-07
0.446684	1.472324e-07	5.400015e-07	1.565917e-06	2.490561e-06	1.860219e-06	7.771313e-07	2.575688e-07
0.501187	1.103086e-07	3.891050e-07	1.162881e-06	1.858270e-06	1.367662e-06	5.467883e-07	1.695833e-07
0.562341	8.318112e-08	2.841467e-07	8.621435e-07	1.369708e-06	9.863539e-07	3.761745e-07	1.094511e-07
0.630957	6.297179e-08	2.099219e-07	6.369869e-07	9.955460e-07	6.997070e-07	2.534575e-07	6.907080e-08
0.707946	4.771374e-08	1.564840e-07	4.682457e-07	7.131911e-07	4.862868e-07	1.669182e-07	4.252791e-08
0.794328	3.603514e-08	1.173486e-07	3.419672e-07	5.029972e-07	3.311346e-07	1.071500e-07	2.560568e-08
0.891251	2.700804e-08	8.824419e-08	2.477042e-07	3.480578e-07	2.213848e-07	6.623724e-08	1.506084e-08
1.000000	2.004943e-08	6.633666e-08	1.774807e-07	2.357268e-07	1.455417e-07	3.897481e-08	8.633435e-09
1.122019	1.476639e-08	4.972619e-08	1.253728e-07	1.562730e-07	9.315860e-08	2.174848e-08	4.813393e-09
1.258925	1.082255e-08	3.709434e-08	8.712704e-08	1.014530e-07	5.728437e-08	1.145184e-08	2.604788e-09
1.412538	7.908426e-09	2.748492e-08	5.956847e-08	6.437956e-08	3.368998e-08	5.628557e-09	1.358292e-09
1.584893	5.768794e-09	2.017796e-08	4.011248e-08	3.978957e-08	1.893111e-08	2.539229e-09	6.713125e-10
1.778279	4.208410e-09	1.463779e-08	2.656460e-08	2.387354e-08	1.000002e-08	1.018157e-09	3.083641e-10
1.995262	3.076372e-09	1.047245e-08	1.720716e-08	1.388526e-08	4.822077e-09	3.350930e-10	1.286761e-10
2.238721	2.255574e-09	7.382569e-09	1.086478e-08	7.828832e-09	2.038833e-09	7.799886e-11	4.678005e-11
2.511886	1.658108e-09	5.125503e-09	6.722386e-09	4.267727e-09	7.291699e-10	1.083750e-11	1.355171e-11
2.818383	1.220142e-09	3.503286e-09	4.113605e-09	2.224224e-09	2.140218e-10	7.895134e-13	2.749104e-12
3.162278	8.963554e-10	2.358873e-09	2.489463e-09	1.086237e-09	4.921768e-11	2.780013e-14	3.449068e-13
3.548134	6.553093e-10	1.568900e-09	1.473557e-09	4.859016e-10	8.287112e-12	4.514893e-16	2.443948e-14
3.981072	4.755252e-10	1.035755e-09	8.450532e-10	1.951217e-10	9.547384e-13	3.337829e-18	9.239441e-16
4.466836	3.419749e-10	6.829538e-10	4.694781e-10	6.915713e-11	7.150179e-14	1.277874e-20	1.819738e-17
5.011872	2.435302e-10	4.524769e-10	2.545058e-10	2.126686e-11	3.365033e-15	6.225018e-23	1.999061e-19
5.623413	1.815763e-10	3.277421e-10	1.636650e-10	1.123027e-11	1.683370e-15	3.112509e-23	9.997557e-20
6.309573	1.196224e-10	2.030073e-10	7.282425e-11	1.193685e-12	1.708064e-18	0.000000e+00	4.506818e-23

St. Lucie (27.35° N, 80.25° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.039699	0.050720	0.102116
0.561009	0.046034	0.058480	0.117571
0.629463	0.053109	0.066380	0.132913
0.706269	0.059403	0.072910	0.145325
0.792447	0.066337	0.080224	0.159315
0.889140	0.073614	0.087307	0.172537
0.997631	0.077871	0.090834	0.178762
1.000000	0.077942	0.090889	0.178858
1.122019	0.078462	0.092232	0.181865
1.258925	0.080524	0.095082	0.187695
1.412538	0.080854	0.096127	0.190082
1.584893	0.082922	0.099762	0.197857

1.778279	0.087078	0.103326	0.204219
1.995262	0.087657	0.104174	0.205975
2.238721	0.090443	0.108860	0.215925
2.500000	0.093227	0.111895	0.221787
2.805046	0.093294	0.113601	0.225983
3.147313	0.092435	0.114881	0.229699
3.531344	0.089644	0.114737	0.231104
3.962233	0.088124	0.113980	0.230184
4.445698	0.085772	0.114885	0.234047
4.988156	0.087588	0.119952	0.245730
5.000000	0.087660	0.120063	0.245965
5.610092	0.083615	0.115696	0.237623
6.294627	0.078913	0.112093	0.231739
7.062688	0.076660	0.109502	0.226697
7.924466	0.073526	0.106355	0.220875
8.891397	0.072320	0.105724	0.220147
9.976312	0.070895	0.104110	0.217032
10.000000	0.070870	0.104076	0.216962
11.220185	0.068135	0.099266	0.206524
12.589254	0.065751	0.095199	0.197755
14.125375	0.063485	0.091269	0.189255
15.848932	0.061379	0.087188	0.180252
17.782794	0.059392	0.082902	0.170641
19.952623	0.057796	0.079444	0.162897
22.387211	0.056959	0.077433	0.158335
25.000000	0.057147	0.075813	0.154078
28.050461	0.057366	0.074550	0.150732
31.473135	0.057704	0.073826	0.148686
35.313439	0.057999	0.073365	0.147339
39.622330	0.058176	0.073141	0.146665
44.456985	0.058420	0.073160	0.146560
49.881558	0.058444	0.073098	0.146388
55.968028	0.058018	0.072710	0.145683
62.797161	0.056987	0.071796	0.144043
70.459573	0.055263	0.070344	0.141492
79.056942	0.052805	0.068265	0.137844
88.703347	0.049760	0.065610	0.133139
99.526793	0.046734	0.062923	0.128354
100.000000	0.043647	0.059155	0.120869