

Peach Bottom (39.76° N, 76.27° 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 | 4.134173e-03 | 7.460619e-03 | 1.131271e-02 | 1.202998e-02 | 1.215155e-02 | 0.011955 | 1.101946e-02 |
| 0.001122 | 3.822672e-03 | 7.030218e-03 | 1.103377e-02 | 1.189104e-02 | 1.207366e-02 | 0.011889 | 1.077455e-02 |
| 0.001259 | 3.523396e-03 | 6.609252e-03 | 1.074698e-02 | 1.172397e-02 | 1.195693e-02 | 0.011772 | 1.044989e-02 |
| 0.001413 | 3.236283e-03 | 6.190334e-03 | 1.042771e-02 | 1.152881e-02 | 1.180695e-02 | 0.011610 | 1.009636e-02 |
| 0.001585 | 2.961203e-03 | 5.775041e-03 | 1.007651e-02 | 1.130155e-02 | 1.162886e-02 | 0.011414 | 9.712272e-03 |
| 0.001778 | 2.698629e-03 | 5.366531e-03 | 9.694998e-03 | 1.104042e-02 | 1.142145e-02 | 0.011188 | 9.300687e-03 |
| 0.001995 | 2.448938e-03 | 4.966931e-03 | 9.286627e-03 | 1.074580e-02 | 1.118309e-02 | 0.010933 | 8.866428e-03 |
| 0.002239 | 2.212278e-03 | 4.578113e-03 | 8.853274e-03 | 1.041688e-02 | 1.091290e-02 | 0.010648 | 8.414994e-03 |
| 0.002512 | 1.988554e-03 | 4.200978e-03 | 8.397663e-03 | 1.005425e-02 | 1.061065e-02 | 0.010334 | 7.950511e-03 |
| 0.002818 | 1.778256e-03 | 3.837425e-03 | 7.924084e-03 | 9.659623e-03 | 1.027706e-02 | 0.009992 | 7.479221e-03 |
| 0.003162 | 1.581534e-03 | 3.488668e-03 | 7.437312e-03 | 9.236445e-03 | 9.913997e-03 | 0.009626 | 7.006313e-03 |
| 0.003548 | 1.398784e-03 | 3.156122e-03 | 6.942381e-03 | 8.788365e-03 | 9.524070e-03 | 0.009237 | 6.537852e-03 |
| 0.003981 | 1.229850e-03 | 2.840493e-03 | 6.443877e-03 | 8.319905e-03 | 9.110783e-03 | 0.008830 | 6.077780e-03 |
| 0.004467 | 1.075036e-03 | 2.543019e-03 | 5.947543e-03 | 7.836274e-03 | 8.678039e-03 | 0.008409 | 5.630818e-03 |
| 0.005012 | 9.339037e-04 | 2.264029e-03 | 5.457603e-03 | 7.342742e-03 | 8.230385e-03 | 0.007978 | 5.199617e-03 |
| 0.005623 | 8.065524e-04 | 2.004574e-03 | 4.979923e-03 | 6.845411e-03 | 7.772543e-03 | 0.007542 | 4.787317e-03 |
| 0.006310 | 6.922609e-04 | 1.764570e-03 | 4.517917e-03 | 6.349553e-03 | 7.309454e-03 | 0.007104 | 4.395313e-03 |
| 0.007079 | 5.911959e-04 | 1.544645e-03 | 4.076566e-03 | 5.860928e-03 | 6.845813e-03 | 0.006669 | 4.025212e-03 |
| 0.007943 | 5.028167e-04 | 1.344187e-03 | 3.657915e-03 | 5.383867e-03 | 6.386129e-03 | 0.006241 | 3.677300e-03 |
| 0.008913 | 4.251690e-04 | 1.163398e-03 | 3.265749e-03 | 4.923203e-03 | 5.934472e-03 | 0.005822 | 3.352075e-03 |
| 0.010000 | 3.573780e-04 | 1.001216e-03 | 2.900717e-03 | 4.481994e-03 | 5.494444e-03 | 0.005415 | 3.049131e-03 |
| 0.011220 | 2.989404e-04 | 8.572748e-04 | 2.564847e-03 | 4.063445e-03 | 5.069044e-03 | 0.005023 | 2.776222e-03 |
| 0.012589 | 2.487998e-04 | 7.303813e-04 | 2.257491e-03 | 3.669182e-03 | 4.660747e-03 | 0.004646 | 2.532258e-03 |
| 0.014125 | 2.062773e-04 | 6.202363e-04 | 1.979226e-03 | 3.300929e-03 | 4.271398e-03 | 0.004287 | 2.308509e-03 |
| 0.015849 | 1.704174e-04 | 5.241167e-04 | 1.728249e-03 | 2.958818e-03 | 3.902292e-03 | 0.003946 | 2.101499e-03 |
| 0.017783 | 1.404961e-04 | 4.411307e-04 | 1.504015e-03 | 2.643365e-03 | 3.554345e-03 | 0.003628 | 1.910339e-03 |
| 0.019953 | 1.154953e-04 | 3.697890e-04 | 1.304606e-03 | 2.354062e-03 | 3.227928e-03 | 0.003332 | 1.734158e-03 |
| 0.022387 | 9.476501e-05 | 3.089946e-04 | 1.128753e-03 | 2.090311e-03 | 2.923411e-03 | 0.003057 | 1.572167e-03 |
| 0.025119 | 7.760838e-05 | 2.573156e-04 | 9.736372e-04 | 1.850983e-03 | 2.641161e-03 | 0.002799 | 1.423484e-03 |
| 0.028184 | 6.348972e-05 | 2.137174e-04 | 8.376365e-04 | 1.635039e-03 | 2.380737e-03 | 0.002559 | 1.287270e-03 |
| 0.031623 | 5.188128e-05 | 1.770453e-04 | 7.186767e-04 | 1.440604e-03 | 2.141036e-03 | 0.002334 | 1.162679e-03 |
| 0.035481 | 4.237018e-05 | 1.464379e-04 | 6.151095e-04 | 1.266204e-03 | 1.920880e-03 | 0.002125 | 1.048859e-03 |
| 0.039811 | 3.458165e-05 | 1.208489e-04 | 5.250968e-04 | 1.110216e-03 | 1.719294e-03 | 0.001931 | 9.449515e-04 |
| 0.044668 | 2.821587e-05 | 9.955107e-05 | 4.471750e-04 | 9.711918e-04 | 1.535314e-03 | 0.001751 | 8.501289e-04 |
| 0.050119 | 2.301312e-05 | 8.184417e-05 | 3.798180e-04 | 8.475772e-04 | 1.367927e-03 | 0.001585 | 7.636256e-04 |
| 0.056234 | 1.876308e-05 | 6.717643e-05 | 3.218034e-04 | 7.379959e-04 | 1.216086e-03 | 0.001432 | 6.847533e-04 |
| 0.063096 | 1.529148e-05 | 5.503564e-05 | 2.719237e-04 | 6.410520e-04 | 1.078730e-03 | 0.001292 | 6.129918e-04 |
| 0.070795 | 1.245551e-05 | 4.501452e-05 | 2.291929e-04 | 5.555048e-04 | 9.547953e-04 | 0.001163 | 5.477422e-04 |
| 0.079433 | 1.013878e-05 | 3.674880e-05 | 1.926069e-04 | 4.801475e-04 | 8.432368e-04 | 0.001045 | 4.875274e-04 |
| 0.089125 | 8.245795e-06 | 2.994847e-05 | 1.613938e-04 | 4.139318e-04 | 7.430444e-04 | 0.000937 | 4.322622e-04 |
| 0.100000 | 6.699332e-06 | 2.435786e-05 | 1.348038e-04 | 3.558496e-04 | 6.532671e-04 | 0.000839 | 3.820881e-04 |
| 0.112202 | 5.436050e-06 | 1.977297e-05 | 1.122324e-04 | 3.049852e-04 | 5.729924e-04 | 0.000750 | 3.367714e-04 |
| 0.125893 | 4.404200e-06 | 1.601522e-05 | 9.310704e-05 | 2.605457e-04 | 5.012951e-04 | 0.000668 | 2.959334e-04 |
| 0.141254 | 3.562023e-06 | 1.294367e-05 | 7.697255e-05 | 2.218297e-04 | 4.373107e-04 | 0.000594 | 2.591715e-04 |
| 0.158489 | 2.874717e-06 | 1.043415e-05 | 6.337937e-05 | 1.881632e-04 | 3.803173e-04 | 0.000527 | 2.260522e-04 |

| | | | | | | | |
|----------|--------------|--------------|--------------|--------------|--------------|----------|--------------|
| 0.177828 | 2.314621e-06 | 8.389779e-06 | 5.198581e-05 | 1.589798e-04 | 3.297011e-04 | 0.000466 | 1.961139e-04 |
| 0.199526 | 1.858605e-06 | 6.726195e-06 | 4.245851e-05 | 1.337605e-04 | 2.848916e-04 | 0.000410 | 1.692982e-04 |
| 0.223872 | 1.488090e-06 | 5.376612e-06 | 3.453445e-05 | 1.120502e-04 | 2.453187e-04 | 0.000360 | 1.454651e-04 |
| 0.251189 | 1.187196e-06 | 4.282505e-06 | 2.795529e-05 | 9.341433e-05 | 2.104481e-04 | 0.000314 | 1.244220e-04 |
| 0.281838 | 9.436369e-07 | 3.398693e-06 | 2.252587e-05 | 7.748951e-05 | 1.798019e-04 | 0.000274 | 1.059141e-04 |
| 0.316228 | 7.467699e-07 | 2.685870e-06 | 1.805800e-05 | 6.393512e-05 | 1.529554e-04 | 0.000238 | 8.970355e-05 |
| 0.354813 | 5.883413e-07 | 2.113525e-06 | 1.440545e-05 | 5.246000e-05 | 1.295223e-04 | 0.000206 | 7.552936e-05 |
| 0.398107 | 4.610359e-07 | 1.654677e-06 | 1.142709e-05 | 4.278861e-05 | 1.091464e-04 | 0.000177 | 6.317135e-05 |
| 0.446684 | 3.593618e-07 | 1.288927e-06 | 9.015941e-06 | 3.468719e-05 | 9.149768e-05 | 0.000152 | 5.248943e-05 |
| 0.501187 | 2.783090e-07 | 9.979153e-07 | 7.069234e-06 | 2.793414e-05 | 7.627678e-05 | 0.000130 | 4.332210e-05 |
| 0.562341 | 2.142057e-07 | 7.680577e-07 | 5.510021e-06 | 2.234450e-05 | 6.321151e-05 | 0.000110 | 3.549251e-05 |
| 0.630957 | 1.636255e-07 | 5.869077e-07 | 4.264560e-06 | 1.774326e-05 | 5.205403e-05 | 0.000093 | 2.884363e-05 |
| 0.707946 | 1.241010e-07 | 4.454198e-07 | 3.278421e-06 | 1.398471e-05 | 4.257720e-05 | 0.000078 | 2.325042e-05 |
| 0.794328 | 9.329813e-08 | 3.351791e-07 | 2.499914e-06 | 1.093262e-05 | 3.457478e-05 | 0.000065 | 1.857425e-05 |
| 0.891251 | 6.957173e-08 | 2.502154e-07 | 1.891380e-06 | 8.475266e-06 | 2.785907e-05 | 0.000054 | 1.470245e-05 |
| 1.000000 | 5.135218e-08 | 1.849342e-07 | 1.417368e-06 | 6.509414e-06 | 2.226047e-05 | 0.000045 | 1.152036e-05 |
| 1.122019 | 3.754634e-08 | 1.354065e-07 | 1.052226e-06 | 4.951114e-06 | 1.762582e-05 | 0.000037 | 8.932974e-06 |
| 1.258925 | 2.711995e-08 | 9.795789e-08 | 7.720560e-07 | 3.724483e-06 | 1.381771e-05 | 0.000030 | 6.850715e-06 |
| 1.412538 | 1.936712e-08 | 7.006352e-08 | 5.599099e-07 | 2.768632e-06 | 1.071291e-05 | 0.000024 | 5.194107e-06 |
| 1.584893 | 1.361881e-08 | 4.934645e-08 | 3.998582e-07 | 2.029089e-06 | 8.201801e-06 | 0.000019 | 3.886205e-06 |
| 1.778279 | 9.429132e-09 | 3.421531e-08 | 2.809762e-07 | 1.463244e-06 | 6.188373e-06 | 0.000015 | 2.867117e-06 |
| 1.995262 | 6.390416e-09 | 2.322184e-08 | 1.932018e-07 | 1.034135e-06 | 4.588854e-06 | 0.000012 | 2.081544e-06 |
| 2.238721 | 4.225449e-09 | 1.537395e-08 | 1.294477e-07 | 7.125496e-07 | 3.330041e-06 | 0.000009 | 1.483419e-06 |
| 2.511886 | 2.688169e-09 | 9.791214e-09 | 8.335053e-08 | 4.735336e-07 | 2.348981e-06 | 0.000007 | 1.033949e-06 |
| 2.818383 | 1.617958e-09 | 5.897359e-09 | 5.065443e-08 | 2.983186e-07 | 1.592073e-06 | 0.000005 | 7.007907e-07 |
| 3.162278 | 9.886908e-10 | 3.601458e-09 | 3.089315e-08 | 1.877875e-07 | 1.083089e-06 | 0.000004 | 4.907621e-07 |
| 3.548134 | 3.594232e-10 | 1.305557e-09 | 1.113186e-08 | 7.725647e-08 | 5.741037e-07 | 0.000002 | 2.807334e-07 |

Peach Bottom (39.76° N, 76.27° E), Response Spectra

| Frequency (Hz) | UHRS 1E-4 (g) | GMRS (g) | UHRS 1E-5 (g) |
|----------------|---------------|----------|---------------|
| 0.500000 | 0.021698 | 0.036991 | 0.080045 |
| 0.561009 | 0.025065 | 0.043122 | 0.093524 |
| 0.629463 | 0.028608 | 0.049282 | 0.106917 |
| 0.706269 | 0.032316 | 0.055511 | 0.120346 |
| 0.792447 | 0.036191 | 0.061849 | 0.133915 |
| 0.889140 | 0.040235 | 0.068326 | 0.147705 |
| 0.997631 | 0.044460 | 0.074974 | 0.161793 |
| 1.000000 | 0.044549 | 0.075113 | 0.162086 |
| 1.122019 | 0.051997 | 0.090127 | 0.195832 |
| 1.258925 | 0.060146 | 0.105208 | 0.229123 |
| 1.412538 | 0.068923 | 0.120342 | 0.261963 |
| 1.584893 | 0.078275 | 0.135596 | 0.294587 |
| 1.778279 | 0.088168 | 0.151013 | 0.327153 |
| 1.995262 | 0.098579 | 0.166667 | 0.359897 |
| 2.238721 | 0.109506 | 0.182559 | 0.392831 |
| 2.500000 | 0.120472 | 0.198082 | 0.424761 |
| 2.805046 | 0.135777 | 0.226815 | 0.488310 |

| | | | |
|------------|----------|----------|----------|
| 3.147313 | 0.152865 | 0.256539 | 0.552938 |
| 3.531344 | 0.171890 | 0.287403 | 0.618890 |
| 3.962233 | 0.192850 | 0.319458 | 0.686315 |
| 4.445698 | 0.215722 | 0.352747 | 0.755381 |
| 4.988156 | 0.240588 | 0.387628 | 0.827011 |
| 5.000000 | 0.241124 | 0.388362 | 0.828509 |
| 5.610092 | 0.262472 | 0.428131 | 0.916245 |
| 6.294627 | 0.287182 | 0.471902 | 1.011781 |
| 7.062688 | 0.315417 | 0.519473 | 1.114404 |
| 7.924466 | 0.347004 | 0.570143 | 1.222382 |
| 8.891397 | 0.382055 | 0.623746 | 1.335178 |
| 9.976312 | 0.420678 | 0.680256 | 1.452661 |
| 10.000000 | 0.421513 | 0.681438 | 1.455095 |
| 11.220185 | 0.435407 | 0.706945 | 1.511191 |
| 12.589254 | 0.451019 | 0.735744 | 1.574601 |
| 14.125375 | 0.469139 | 0.768286 | 1.645847 |
| 15.848932 | 0.491275 | 0.807386 | 1.731136 |
| 17.782794 | 0.519993 | 0.857231 | 1.839433 |
| 19.952623 | 0.556867 | 0.920463 | 1.976428 |
| 22.387211 | 0.601169 | 0.994367 | 2.135478 |
| 25.000000 | 0.633386 | 1.047148 | 2.248557 |
| 28.050461 | 0.663453 | 1.095984 | 2.352956 |
| 31.473135 | 0.691257 | 1.142398 | 2.452861 |
| 35.313439 | 0.711076 | 1.175645 | 2.524510 |
| 39.622330 | 0.715242 | 1.182779 | 2.539961 |
| 44.456985 | 0.707259 | 1.169577 | 2.511611 |
| 49.881558 | 0.680215 | 1.124849 | 2.415556 |
| 55.968028 | 0.631984 | 1.047648 | 2.251148 |
| 62.797161 | 0.567315 | 0.943889 | 2.030047 |
| 70.459573 | 0.495385 | 0.826383 | 1.778494 |
| 79.056942 | 0.423924 | 0.710388 | 1.530590 |
| 88.703347 | 0.368313 | 0.615278 | 1.324635 |
| 99.526793 | 0.323884 | 0.543897 | 1.172490 |
| 100.000000 | 0.293288 | 0.494159 | 1.066155 |