shocktest HL copies=var Audit=1yr Glitch=0 Shock=5yr len=var lifem=var seed21
(impact=50,100pct len=var)

Input data from ../hl/data/GiantOutput_shock5yr_lenvar_00.txt
Output analysis into ../hl/tabs/shocktest_freq5yr_lenvar_seed21_analysis_20170320_00.txt

analysis tables by ./ShelfAnalyze.r
and summarize script ./summ-shock.r
at 20170320_194320 EDT

Summary losses (midmeans)

	shockfreq	impact	span	maxlife	lifem	c2	c3	c4	c5	c8	c1
1	50000	50	1	10000	10	824	65.5	4.73	0.00	0	0
2	50000	50	1	10000	20	377	51.8	0.73	0.00	0	0
3	50000	50	1	10000	30	245	13.4	0.09	0.00	0	0
4	50000	50	1	10000	50	156	12.1	0.00	0.00	0	0
5	50000	50	1	10000	100	80	2.5	0.00	0.00	0	0
6	50000	50	1	10000	200	37	1.1	0.00	0.00	0	0
7	50000	50	1	10000	300	28	2.4	0.00	0.00	0	0
8	50000	50	1	10000	500	16	1.1	0.00	0.00	0	0
9	50000	50	1	10000	1000	9	0.2	0.00	0.00	0	0
10	50000	50	1	20000	10	851	182.3	4.27	0.00	0	0
11	50000	50	1	20000	20	363	23.8	1.18	0.00	0	0
12	50000	50	1	20000	30	273	12.6	0.18	0.00	0	0
13	50000	50	1	20000	50	148	13.0	0.00	0.00	0	0
14	50000	50	1	20000	100	83	2.3	0.00	0.00	0	0
15	50000	50	1	20000	200	39	0.0	0.00	0.00	0	0
16	50000	50	1	20000	300	28	1.7	0.00	0.00	0	0
17	50000	50	1	20000	500	16	0.6	0.00	0.00	0	0
18	50000	50	1	20000	1000	8	0.0	0.00	0.00	0	0
19	50000	50	2	10000	10	3587	178.7	6.64	0.00	0	0
20	50000	50	2	10000	20	435	37.9	0.82	0.00	0	0
21	50000	50	2	10000	30	336	42.7	0.27	0.00	0	0
22	50000	50	2	10000	50	1088	24.8	0.00	0.00	0	0
23	50000	50	2	10000	100	1914	4.7	0.00	0.00	0	0
24	50000	50	2	10000	200	52	3.6	0.00	0.00	0	0
25	50000	50	2	10000	300	32	2.4	0.00	0.00	0	0
26	50000	50	2	10000	500	20	2.7	0.00	0.00	0	0
27	50000	50	2	10000	1000	1829	0.8	0.00	0.00	0	0
28	50000	50	2	20000	10	3581	207.2	7.00	0.09	0	0
29	50000	50	2	20000	20	505	66.8	0.91	0.00	0	0
30	50000	50	2	20000	30	1238	33.3	0.18	0.00	0	0
31	50000	50	2	20000	50	1096	13.0	0.00	0.00	0	0
32	50000	50	2	20000	100	2818	2.5	0.00	0.00	0	0
33	50000	50	2	20000	200	956	4.0	0.00	0.00	0	0
34	50000	50	2	20000	300	944	1.6	0.00	0.00	0	0
35	50000	50	2	20000	500	20	1.3	0.00	0.00	0	0
36	50000	50	2	20000	1000	1828	0.4	0.00	0.00	0	0
37	50000	50	3	10000	10	3587	164.6	8.18	0.45	0	0
38	50000	50	3	10000	20	435	111.3	2.27	0.00	0	0
39	50000	50	3	10000	30	336	50.9	0.27	0.00	0	0
40	50000	50	3	10000	50	1088	41.3	0.09	0.00	0	0
41	50000	50	3	10000	100	1914	13.4	0.00	0.00	0	0
42	50000	50	3	10000	200	52	11.1	0.00	0.00	0	0
43	50000	50	3	10000	300	32	10.9	0.00	0.00	0	0
44	50000	50	3	10000	500	20	4.9	0.00	0.00	0	0
45	50000	50	3	10000	1000	1829	2.5	0.00	0.00	0	0
46	50000	50	3	20000	10	3581	159.0	8.55	0.09	0	0
47	50000	50	3	20000	20	505	109.0	2.45	0.09	0	0
48	50000	50	3	20000	30	1238	73.1	0.36	0.00	0	0
49	50000	50	3	20000	50	1096	49.3	0.00	0.00	0	0
50	50000	50	3	20000	100	2818	14.4	0.00	0.00	0	0
51	50000	50	3	20000	200	956	8.1	0.00	0.00	0	0
52	50000	50	3	20000	300	944	10.6	0.00	0.00	0	0
53	50000	50	3	20000	500	20	3.0	0.00	0.00	0	0
54	50000	50	3	20000	1000	1828	1.4	0.00	0.00	0	0

55	50000	100	1	10000	10	1152	101.9	7.45	0.00	0	0
56	50000	100	1	10000	20	541	40.5	1.27	0.00	0	0
57	50000	100	1	10000	30	355	24.3	0.73	0.00	0	0
58	50000	100	1	10000	50	224	18.7	0.00	0.00	0	0
59	50000	100	1	10000	100	114	7.6	0.00	0.00	0	0
60	50000	100	1	10000	200	55	5.1	0.00	0.00	0	0
61	50000	100	1	10000	300	40	3.8	0.00	0.00	0	0
62	50000	100	1	10000	500	23	0.8	0.00	0.00	0	0
63	50000	100	1	10000	1000	12	0.4	0.00	0.00	0	0
64	50000	100	2	10000	10	10000	633.5	19.82	0.91	0	0
65	50000	100	2	10000	20	10000	236.6	21.09	0.00	0	0
66	50000	100	2	10000	30	10000	172.7	1.91	0.00	0	0
67	50000	100	2	10000	50	10000	142.2	0.36	0.00	0	0
68	50000	100	2	10000	100	10000	48.5	0.00	0.00	0	0
69	50000	100	2	10000	200	10000	32.9	0.00	0.00	0	0
70	50000	100	2	10000	300	10000	20.8	0.00	0.00	0	0
71	50000	100	2	10000	500	10000	9.6	0.00	0.00	0	0
72	50000	100	2	10000	1000	10000	6.5	0.00	0.00	0	0
73	50000	100	3	10000	10	10000	10000.0	403.45	16.55	0	0
74	50000	100	3	10000	20	10000	10000.0	157.73	3.09	0	0
75	50000	100	3	10000	30	10000	10000.0	132.36	1.55	0	0
76	50000	100	3	10000	50	10000	10000.0	85.64	0.64	0	0
77	50000	100	3	10000	100	10000	10000.0	38.09	0.09	0	0
78	50000	100	3	10000	200	10000	10000.0	18.18	0.00	0	0
79	50000	100	3	10000	300	10000	10000.0	14.36	0.00	0	0
80	50000	100	3	10000	500	10000	10000.0	7.64	0.00	0	0
81	50000	100	3	10000	1000	10000	10000.0	3.91	0.00	0	0

Percentage losses (midmeans)

	shockfreq	impact	span	maxlife	lifem	c2	c3	c4	c5	c8	c1
1	50000	50	1	10000	10	8.24	0.655	0.0473	0.0000	0	0
2	50000	50	1	10000	20	3.77	0.518	0.0073	0.0000	0	0
3	50000	50	1	10000	30	2.45	0.134	0.0009	0.0000	0	0
4	50000	50	1	10000	50	1.56	0.121	0.0000	0.0000	0	0
5	50000	50	1	10000	100	0.80	0.025	0.0000	0.0000	0	0
6	50000	50	1	10000	200	0.37	0.011	0.0000	0.0000	0	0
7	50000	50	1	10000	300	0.28	0.024	0.0000	0.0000	0	0
8	50000	50	1	10000	500	0.16	0.011	0.0000	0.0000	0	0
9	50000	50	1	10000	1000	0.09	0.002	0.0000	0.0000	0	0
10	50000	50	1	20000	10	8.51	1.823	0.0427	0.0000	0	0
11	50000	50	1	20000	20	3.63	0.238	0.0118	0.0000	0	0
12	50000	50	1	20000	30	2.73	0.126	0.0018	0.0000	0	0
13	50000	50	1	20000	50	1.48	0.130	0.0000	0.0000	0	0
14	50000	50	1	20000	100	0.83	0.023	0.0000	0.0000	0	0
15	50000	50	1	20000	200	0.39	0.000	0.0000	0.0000	0	0
16	50000	50	1	20000	300	0.28	0.017	0.0000	0.0000	0	0
17	50000	50	1	20000	500	0.16	0.006	0.0000	0.0000	0	0
18	50000	50	1	20000	1000	0.08	0.000	0.0000	0.0000	0	0
19	50000	50	2	10000	10	35.87	1.787	0.0664	0.0000	0	0
20	50000	50	2	10000	20	4.35	0.379	0.0082	0.0000	0	0
21	50000	50	2	10000	30	3.36	0.427	0.0027	0.0000	0	0
22	50000	50	2	10000	50	10.88	0.248	0.0000	0.0000	0	0
23	50000	50	2	10000	100	19.14	0.047	0.0000	0.0000	0	0
24	50000	50	2	10000	200	0.52	0.036	0.0000	0.0000	0	0
25	50000	50	2	10000	300	0.32	0.024	0.0000	0.0000	0	0
26	50000	50	2	10000	500	0.20	0.027	0.0000	0.0000	0	0
27	50000	50	2	10000	1000	18.29	0.008	0.0000	0.0000	0	0
28	50000	50	2	20000	10	35.81	2.072	0.0700	0.0009	0	0
29	50000	50	2	20000	20	5.05	0.668	0.0091	0.0000	0	0
30	50000	50	2	20000	30	12.38	0.333	0.0018	0.0000	0	0
31	50000	50	2	20000	50	10.96	0.130	0.0000	0.0000	0	0
32	50000	50	2	20000	100	28.18	0.025	0.0000	0.0000	0	0
33	50000	50	2	20000	200	9.56	0.040	0.0000	0.0000	0	0
34	50000	50	2	20000	300	9.44	0.015	0.0000	0.0000	0	0
35	50000	50	2	20000	500	0.20	0.013	0.0000	0.0000	0	0
36	50000	50	2	20000	1000	18.28	0.004	0.0000	0.0000	0	0

37	50000	50	3	10000	10	35.87	1.646	0.0818	0.0045	0	0
38	50000	50	3	10000	20	4.35	1.113	0.0227	0.0000	0	0
39	50000	50	3	10000	30	3.36	0.509	0.0027	0.0000	0	0
40	50000	50	3	10000	50	10.88	0.413	0.0009	0.0000	0	0
41	50000	50	3	10000	100	19.14	0.134	0.0000	0.0000	0	0
42	50000	50	3	10000	200	0.52	0.111	0.0000	0.0000	0	0
43	50000	50	3	10000	300	0.32	0.109	0.0000	0.0000	0	0
44	50000	50	3	10000	500	0.20	0.049	0.0000	0.0000	0	0
45	50000	50	3	10000	1000	18.29	0.025	0.0000	0.0000	0	0
46	50000	50	3	20000	10	35.81	1.590	0.0855	0.0009	0	0
47	50000	50	3	20000	20	5.05	1.090	0.0245	0.0009	0	0
48	50000	50	3	20000	30	12.38	0.731	0.0036	0.0000	0	0
49	50000	50	3	20000	50	10.96	0.493	0.0000	0.0000	0	0
50	50000	50	3	20000	100	28.18	0.144	0.0000	0.0000	0	0
51	50000	50	3	20000	200	9.56	0.081	0.0000	0.0000	0	0
52	50000	50	3	20000	300	9.44	0.106	0.0000	0.0000	0	0
53	50000	50	3	20000	500	0.20	0.030	0.0000	0.0000	0	0
54	50000	50	3	20000	1000	18.28	0.014	0.0000	0.0000	0	0
55	50000	100	1	10000	10	11.52	1.019	0.0745	0.0000	0	0
56	50000	100	1	10000	20	5.41	0.404	0.0127	0.0000	0	0
57	50000	100	1	10000	30	3.55	0.243	0.0073	0.0000	0	0
58	50000	100	1	10000	50	2.24	0.187	0.0000	0.0000	0	0
59	50000	100	1	10000	100	1.14	0.076	0.0000	0.0000	0	0
60	50000	100	1	10000	200	0.55	0.051	0.0000	0.0000	0	0
61	50000	100	1	10000	300	0.40	0.038	0.0000	0.0000	0	0
62	50000	100	1	10000	500	0.23	0.008	0.0000	0.0000	0	0
63	50000	100	1	10000	1000	0.12	0.004	0.0000	0.0000	0	0
64	50000	100	2	10000	10	100.00	6.335	0.1982	0.0091	0	0
65	50000	100	2	10000	20	100.00	2.366	0.2109	0.0000	0	0
66	50000	100	2	10000	30	100.00	1.727	0.0191	0.0000	0	0
67	50000	100	2	10000	50	100.00	1.422	0.0036	0.0000	0	0
68	50000	100	2	10000	100	100.00	0.485	0.0000	0.0000	0	0
69	50000	100	2	10000	200	100.00	0.329	0.0000	0.0000	0	0
70	50000	100	2	10000	300	100.00	0.208	0.0000	0.0000	0	0
71	50000	100	2	10000	500	100.00	0.096	0.0000	0.0000	0	0
72	50000	100	2	10000	1000	100.00	0.066	0.0000	0.0000	0	0
73	50000	100	3	10000	10	100.00	100.000	4.0345	0.1655	0	0
74	50000	100	3	10000	20	100.00	100.000	1.5773	0.0309	0	0
75	50000	100	3	10000	30	100.00	100.000	1.3236	0.0155	0	0
76	50000	100	3	10000	50	100.00	100.000	0.8564	0.0064	0	0
77	50000	100	3	10000	100	100.00	100.000	0.3809	0.0009	0	0
78	50000	100	3	10000	200	100.00	100.000	0.1818	0.0000	0	0
79	50000	100	3	10000	300	100.00	100.000	0.1436	0.0000	0	0
80	50000	100	3	10000	500	100.00	100.000	0.0764	0.0000	0	0
81	50000	100	3	10000	1000	100.00	100.000	0.0391	0.0000	0	0

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====== shockfreq 50000 impact 50 duration 10000 span 1 lifem 10 copies 2 N 21 ======

The decimal point is 3 digit(s) to the right of the |

```
  0 | 1444577888888811347
  2 |
  4 |
  6 |
  8 |
 10 | 00
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shockfreq 50000 impact 50 duration 10000 span 1 lifem 10 copies 2 N 21
median 774
trimean 842
midmean 824
mean 1681
stddev 2789