shocktest HL copies=var Audit=1yr Glitch=0 Shock=2yr len=1yr lifem=var seed21
(impact=50,100pct len=1yr)

Input data from ../hl/data/GiantOutput_shock2yr_len1yr_00.txt
Output analysis into ../hl/tabs/shocktest_freq2yr_len1yr_seed21_analysis_20170320_00.txt

analysis tables by ./ShelfAnalyze.r
and summarize script ./summ-shock.r
at 20170320_193650 EDT

Summary losses (midmeans)

	shockfreq	impact	span	maxlife	lifem	c1	c2	c3	c4	c5	c8
1	20000	50	1	10000	10	10000	866	133.1	7.27	0.27	0
2	20000	50	1	10000	20	10000	524	54.5	1.64	0.00	0
3	20000	50	1	10000	30	10000	331	74.2	0.27	0.00	0
4	20000	50	1	10000	50	10000	214	17.3	0.00	0.00	0
5	20000	50	1	10000	100	10000	91	8.2	0.00	0.00	0
6	20000	50	1	10000	200	10000	47	3.5	0.00	0.00	0
7	20000	50	1	10000	300	10000	25	2.4	0.00	0.00	0
8	20000	50	1	10000	500	10000	15	1.3	0.00	0.00	0
9	20000	50	1	10000	1000	10000	9	0.4	0.00	0.00	0
10	20000	50	2	10000	10	10000	4413	273.4	11.73	1.36	0
11	20000	50	2	10000	20	10000	2377	90.4	2.64	0.00	0
12	20000	50	2	10000	30	10000	3021	52.9	0.82	0.00	0
13	20000	50	2	10000	50	10000	229	48.5	0.00	0.00	0
14	20000	50	2	10000	100	10000	100	8.2	0.00	0.00	0
15	20000	50	2	10000	200	10000	4575	12.4	0.00	0.00	0
16	20000	50	2	10000	300	10000	2757	6.2	0.00	0.00	0
17	20000	50	2	10000	500	10000	3657	2.9	0.00	0.00	0
18	20000	50	2	10000	1000	10000	1829	1.0	0.00	0.00	0
19	20000	50	3	10000	10	10000	4413	368.1	105.36	3.00	0
20	20000	50	3	10000	20	10000	2377	247.6	4.27	0.09	0
21	20000	50	3	10000	30	10000	3021	140.1	2.73	0.00	0
22	20000	50	3	10000	50	10000	229	60.7	0.09	0.00	0
23	20000	50	3	10000	100	10000	100	42.9	0.18	0.00	0
24	20000	50	3	10000	200	10000	4575	20.1	0.00	0.00	0
25	20000	50	3	10000	300	10000	2757	9.3	0.00	0.00	0
26	20000	50	3	10000	500	10000	3657	8.4	0.00	0.00	0
27	20000	50	3	10000	1000	10000	1829	4.5	0.00	0.00	0
28	20000	100	1	10000	10	10000	1478	143.3	12.73	0.55	0
29	20000	100	1	10000	20	10000	765	70.9	2.64	0.00	0
30	20000	100	1	10000	30	10000	483	65.3	1.64	0.00	0
31	20000	100	1	10000	50	10000	280	36.7	0.09	0.00	0
32	20000	100	1	10000	100	10000	155	17.2	0.00	0.00	0
33	20000	100	1	10000	200	10000	75	4.0	0.00	0.00	0
34	20000	100	1	10000	300	10000	45	4.4	0.00	0.00	0
35	20000	100	1	10000	500	10000	29	0.3	0.00	0.00	0
36	20000	100	1	10000	1000	10000	15	1.0	0.00	0.00	0
37	20000	100	2	10000	10	10000	10000	1030.1	43.73	7.55	0
38	20000	100	2	10000	20	10000	10000	458.7	86.45	1.18	0
39	20000	100	2	10000	30	10000	10000	355.8	42.91	0.73	0
40	20000	100	2	10000	50	10000	10000	200.0	12.91	0.00	0
41	20000	100	2	10000	100	10000	10000	92.8	9.18	0.00	0
42	20000	100	2	10000	200	10000	10000	45.3	1.91	0.00	0
43	20000	100	2	10000	300	10000	10000	31.9	0.36	0.00	0
44	20000	100	2	10000	500	10000	10000	21.2	0.27	0.00	0
45	20000	100	2	10000	1000	10000	10000	10.6	0.55	0.00	0
46	20000	100	3	10000	10	10000	10000	10000.0	1068.36	130.55	0
47	20000	100	3	10000	20	10000	10000	10000.0	481.27	64.45	0
48	20000	100	3	10000	30	10000	10000	10000.0	1284.09	25.55	0
49	20000	100	3	10000	50	10000	10000	10000.0	1988.18	1.91	0
50	20000	100	3	10000	100	10000	10000	10000.0	97.27	5.73	0
51	20000	100	3	10000	200	10000	10000	10000.0	51.45	2.55	0
52	20000	100	3	10000	300	10000	10000	10000.0	34.27	2.64	0
53	20000	100	3	10000	500	10000	10000	10000.0	928.64	1.18	0
54	20000	100	3	10000	1000	10000	10000	10000.0	12.64	1.27	0

Percentage losses (midmeans)

	shockfreq	impact	span	maxlife	lifem	c1	c2	c3	c4	c5	c8
1	20000	50	1	10000	10	100	8.66	1.331	0.0727	0.0027	0
2	20000	50	1	10000	20	100	5.24	0.544	0.0164	0.0000	0
3	20000	50	1	10000	30	100	3.31	0.742	0.0027	0.0000	0
4	20000	50	1	10000	50	100	2.14	0.173	0.0000	0.0000	0
5	20000	50	1	10000	100	100	0.91	0.082	0.0000	0.0000	0
6	20000	50	1	10000	200	100	0.47	0.035	0.0000	0.0000	0
7	20000	50	1	10000	300	100	0.25	0.024	0.0000	0.0000	0
8	20000	50	1	10000	500	100	0.15	0.013	0.0000	0.0000	0
9	20000	50	1	10000	1000	100	0.09	0.004	0.0000	0.0000	0
10	20000	50	2	10000	10	100	44.13	2.734	0.1173	0.0136	0
11	20000	50	2	10000	20	100	23.77	0.904	0.0264	0.0000	0
12	20000	50	2	10000	30	100	30.21	0.529	0.0082	0.0000	0
13	20000	50	2	10000	50	100	2.29	0.485	0.0000	0.0000	0
14	20000	50	2	10000	100	100	1.00	0.082	0.0000	0.0000	0
15	20000	50	2	10000	200	100	45.75	0.124	0.0000	0.0000	0
16	20000	50	2	10000	300	100	27.57	0.062	0.0000	0.0000	0
17	20000	50	2	10000	500	100	36.57	0.029	0.0000	0.0000	0
18	20000	50	2	10000	1000	100	18.29	0.010	0.0000	0.0000	0
19	20000	50	3	10000	10	100	44.13	3.681	1.0536	0.0300	0
20	20000	50	3	10000	20	100	23.77	2.476	0.0427	0.0009	0
21	20000	50	3	10000	30	100	30.21	1.401	0.0273	0.0000	0
22	20000	50	3	10000	50	100	2.29	0.607	0.0009	0.0000	0
23	20000	50	3	10000	100	100	1.00	0.429	0.0018	0.0000	0
24	20000	50	3	10000	200	100	45.75	0.201	0.0000	0.0000	0
25	20000	50	3	10000	300	100	27.57	0.093	0.0000	0.0000	0
26	20000	50	3	10000	500	100	36.57	0.084	0.0000	0.0000	0
27	20000	50	3	10000	1000	100	18.29	0.045	0.0000	0.0000	0
28	20000	100	1	10000	10	100	14.78	1.433	0.1273	0.0055	0
29	20000	100	1	10000	20	100	7.65	0.709	0.0264	0.0000	0
30	20000	100	1	10000	30	100	4.83	0.653	0.0164	0.0000	0
31	20000	100	1	10000	50	100	2.80	0.367	0.0009	0.0000	0
32	20000	100	1	10000	100	100	1.55	0.172	0.0000	0.0000	0
33	20000	100	1	10000	200	100	0.75	0.040	0.0000	0.0000	0
34	20000	100	1	10000	300	100	0.45	0.044	0.0000	0.0000	0
35	20000	100	1	10000	500	100	0.29	0.003	0.0000	0.0000	0
36	20000	100	1	10000	1000	100	0.15	0.010	0.0000	0.0000	0
37	20000	100	2	10000	10	100	100.00	10.301	0.4373	0.0755	0
38	20000	100	2	10000	20	100	100.00	4.587	0.8645	0.0118	0
39	20000	100	2	10000	30	100	100.00	3.558	0.4291	0.0073	0
40	20000	100	2	10000	50	100	100.00	2.000	0.1291	0.0000	0
41	20000	100	2	10000	100	100	100.00	0.928	0.0918	0.0000	0
42	20000	100	2	10000	200	100	100.00	0.453	0.0191	0.0000	0
43	20000	100	2	10000	300	100	100.00	0.319	0.0036	0.0000	0
44	20000	100	2	10000	500	100	100.00	0.212	0.0027	0.0000	0
45	20000	100	2	10000	1000	100	100.00	0.106	0.0055	0.0000	0
46	20000	100	3	10000	10	100	100.00	100.000	10.6836	1.3055	0
47	20000	100	3	10000	20	100	100.00	100.000	4.8127	0.6445	0
48	20000	100	3	10000	30	100	100.00	100.000	12.8409	0.2555	0
49	20000	100	3	10000	50	100	100.00	100.000	19.8818	0.0191	0
50	20000	100	3	10000	100	100	100.00	100.000	0.9727	0.0573	0
51	20000	100	3	10000	200	100	100.00	100.000	0.5145	0.0255	0
52	20000	100	3	10000	300	100	100.00	100.000	0.3427	0.0264	0
53	20000	100	3	10000	500	100	100.00	100.000	9.2864	0.0118	0
54	20000	100	3	10000	1000	100	100.00	100.000	0.1264	0.0127	0

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====== shockfreq 20000 impact 50 duration 10000 span 1 lifem 10 copies 1 N 21 ======

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

2 | 990

```
   4 |
   6 |
   8 |
  10 | 000000000000000000

shockfreq 20000 impact 50 duration 10000 span 1 lifem 10 copies 1 N 21
median       10000
trimean      10000
midmean      10000
mean         8991
stddev       2534
IQR          0
mad          0
SEM          553
MeanOverSEM      16
LogMeanOverSEM   1

======  shockfreq 20000 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 | 1477777788888001177
   2 |
   4 |
   6 |
   8 |
  10 | 000

shockfreq 20000 impact 50 duration 10000 span 1 lifem 10 copies 2 N 21
median       773
trimean      844
midmean      866
mean         2172
stddev       3293
IQR          373
mad          325
SEM          719
MeanOverSEM      3
LogMeanOverSEM   0.5

======  shockfreq 20000 impact 50 duration 10000 span 1 lifem 10 copies 3 N 21  ======

  The decimal point is 2 digit(s) to the right of the |

  0 | 1233334444440
  2 | 67789
  4 | 00
  6 | 5

shockfreq 20000 impact 50 duration 10000 span 1 lifem 10 copies 3 N 21
median       41
trimean      122
midmean      133
mean         185
stddev       209
IQR          338
mad          37
SEM          46
MeanOverSEM      4
LogMeanOverSEM   0.6

======  shockfreq 20000 impact 50 duration 10000 span 1 lifem 10 copies 4 N 21  ======

  The decimal point is 2 digit(s) to the right of the |

  0 | 00000000000111222222
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