

ST. LUCIE - 1992 PRELIMINARY LLNL HAZARD ESTIMATES FOR PEAK ACCELERATION

accel (gals)	best est	arithmetic mean	geometric mean
0.5000E+02	0.7909E-04	0.1470E-03	0.1643E-04
0.7500E+02	0.4349E-04	0.8565E-04	0.8569E-05
0.1500E+03	0.1367E-04	0.3037E-04	0.2539E-05
0.2500E+03	0.4828E-05	0.1263E-04	0.8010E-06
0.3000E+03	0.3147E-05	0.8974E-05	0.5022E-06
0.4000E+03	0.1493E-05	0.5047E-05	0.2237E-06
0.5000E+03	0.7864E-06	0.3125E-05	0.1106E-06
0.6500E+03	0.3445E-06	0.1711E-05	0.4303E-07
0.8000E+03	0.1695E-06	0.1030E-05	0.1899E-07
0.1000E+04	0.7455E-07	0.5790E-06	0.7133E-08

acceleration	percentiles		
	15th	50th	85th
0.5000E+02	0.2720E-05	0.5210E-04	0.2750E-03
0.7500E+02	0.1250E-05	0.2800E-04	0.1580E-03
0.1500E+03	0.2760E-06	0.7900E-05	0.5640E-04
0.2500E+03	0.6770E-07	0.2360E-05	0.2240E-04
0.3000E+03	0.3780E-07	0.1460E-05	0.1580E-04
0.4000E+03	0.1040E-07	0.6030E-06	0.8310E-05
0.5000E+03	0.3350E-08	0.2920E-06	0.4950E-05
0.6500E+03	0.7440E-09	0.1150E-06	0.2440E-05
0.8000E+03	0.1930E-09	0.5020E-07	0.1370E-05
0.1000E+04	0.4050E-10	0.1780E-07	0.6620E-06

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ST LUCIE - 1992 PRELIMINARY LLNL SPECTRAL HAZARD ESTIMATES
 1992 SEISMICITY INPUTS
 1992 COMPOSITE GROUND MOTION ACROSS EXPERTS
 VARIABLE IS SPECTRAL VELOCITY

velocity (cm/sec)	best estimate	arithmetic mean	geometric mean	
		frequency	0.1000E+01	HZ
0.1000E+01	0.8217E-03	0.1424E-02	0.6187E-03	
0.5000E+01	0.3596E-04	0.1802E-03	0.2607E-04	
0.1500E+02	0.3336E-05	0.3923E-04	0.1243E-05	
0.2500E+02	0.1048E-05	0.1868E-04	0.2273E-06	
0.4000E+02	0.3340E-06	0.9126E-05	0.4111E-07	
0.5000E+02	0.1874E-06	0.6400E-05	0.1829E-07	
0.6000E+02	0.1144E-06	0.4751E-05	0.8885E-08	
0.7000E+02	0.7402E-07	0.3672E-05	0.4930E-08	
0.8000E+02	0.4999E-07	0.2924E-05	0.3043E-08	
0.2000E+03	0.1979E-08	0.5497E-06	0.8880E-10	
		frequency	0.2500E+01	
0.1000E+01	0.4931E-03	0.2105E-02	0.4460E-03	
0.6000E+01	0.2373E-04	0.2300E-03	0.1648E-04	
0.1100E+02	0.7045E-05	0.9163E-04	0.3994E-05	
0.1600E+02	0.3098E-05	0.4952E-04	0.1461E-05	
0.2100E+02	0.1649E-05	0.3090E-04	0.6520E-06	
0.2600E+02	0.9845E-06	0.2102E-04	0.3288E-06	
0.3100E+02	0.6344E-06	0.1517E-04	0.1805E-06	
0.3600E+02	0.4315E-06	0.1141E-04	0.1054E-06	
0.4100E+02	0.3057E-06	0.8869E-05	0.6555E-07	
0.2000E+03	0.1320E-08	0.2426E-06	0.7297E-10	
		frequency	0.5000E+01	
0.5000E+00	0.6273E-03	0.1205E-02	0.4858E-03	
0.5500E+01	0.1321E-04	0.8194E-04	0.7915E-05	
0.1050E+02	0.3151E-05	0.3189E-04	0.1441E-05	
0.1550E+02	0.1195E-05	0.1687E-04	0.4050E-06	
0.2050E+02	0.5681E-06	0.1030E-04	0.1458E-06	
0.2550E+02	0.3081E-06	0.6842E-05	0.6045E-07	
0.3050E+02	0.1818E-06	0.4815E-05	0.2801E-07	
0.3550E+02	0.1138E-06	0.3533E-05	0.1420E-07	
0.4050E+02	0.7433E-07	0.2676E-05	0.8186E-08	
0.2000E+03	0.3957E-10	0.4526E-07	0.5601E-11	
		frequency	0.1000E+02	
0.5000E+00	0.2358E-03	0.4711E-03	0.1649E-03	
0.2500E+01	0.2109E-04	0.5352E-04	0.1131E-04	
0.4500E+01	0.6713E-05	0.1966E-04	0.2926E-05	
0.6500E+01	0.2914E-05	0.9752E-05	0.1037E-05	
0.8500E+01	0.1495E-05	0.5618E-05	0.4317E-06	
0.1050E+02	0.8546E-06	0.3548E-05	0.1997E-06	
0.1250E+02	0.5273E-06	0.2386E-05	0.9959E-07	
0.1450E+02	0.3440E-06	0.1680E-05	0.5508E-07	
0.1650E+02	0.2341E-06	0.1226E-05	0.3089E-07	
0.1850E+03	0.1418E-11	0.3765E-09	0.1274E-11	
		frequency	0.2500E+02	
0.2000E+00	0.2819E-03	0.5335E-03	0.1921E-03	

0.2200E+01	0.8123E-05	0.2088E-04	0.2495E-05
0.4200E+01	0.1372E-05	0.5880E-05	0.1621E-06
0.6200E+01	0.4006E-06	0.2390E-05	0.1773E-07
0.8200E+01	0.1519E-06	0.1178E-05	0.2540E-08
0.1020E+02	0.6481E-07	0.6572E-06	0.5696E-09
0.1220E+02	0.2912E-07	0.4004E-06	0.1711E-09
0.1420E+02	0.1328E-07	0.2604E-06	0.5863E-10
0.1620E+02	0.6059E-08	0.1779E-06	0.2435E-10
0.1820E+03	0.1000E-19	0.7589E-12	0.1000E-11

UNIFORM HAZARD VELOCITY SPECTRA

frequency	best estimate	arithmetic mean	geometric mean
		return period	0.5000E+03 YR
0.1000E+01	0.6571E+00	0.7841E+00	0.6342E+00
0.2500E+01	0.4557E+00	0.1042E+01	0.4694E+00
0.5000E+01	0.2591E+00	0.3307E+00	0.2411E+00
0.1000E+02	0.1334E+00	0.1846E+00	0.1281E+00
0.2500E+02	0.6525E-01	0.8239E-01	0.7356E-01
		return period	0.1000E+04
0.1000E+01	0.9250E+00	0.1317E+01	0.8608E+00
0.2500E+01	0.6766E+00	0.1826E+01	0.6713E+00
0.5000E+01	0.3892E+00	0.5903E+00	0.3501E+00
0.1000E+02	0.2061E+00	0.3002E+00	0.1883E+00
0.2500E+02	0.9868E-01	0.1331E+00	0.1010E+00
		return period	0.2000E+04
0.1000E+01	0.1291E+01	0.2259E+01	0.1114E+01
0.2500E+01	0.1005E+01	0.3200E+01	0.9600E+00
0.5000E+01	0.5756E+00	0.1096E+01	0.5083E+00
0.1000E+02	0.3184E+00	0.4881E+00	0.2768E+00
0.2500E+02	0.1492E+00	0.2098E+00	0.1387E+00
		return period	0.5000E+04
0.1000E+01	0.2068E+01	0.4611E+01	0.1775E+01
0.2500E+01	0.1704E+01	0.6578E+01	0.1546E+01
0.5000E+01	0.1017E+01	0.2481E+01	0.8384E+00
0.1000E+02	0.5580E+00	0.9425E+00	0.4606E+00
0.2500E+02	0.2522E+00	0.4133E+00	0.2110E+00
		return period	0.1000E+05
0.1000E+01	0.2954E+01	0.7644E+01	0.2525E+01
0.2500E+01	0.2566E+01	0.1038E+02	0.2253E+01
0.5000E+01	0.1564E+01	0.4605E+01	0.1255E+01
0.1000E+02	0.8858E+00	0.1574E+01	0.6752E+00
0.2500E+02	0.4030E+00	0.6903E+00	0.2868E+00

UNIFORM HAZARD VELOCITY SPECTRA

frequency	percentiles			
	15	50	85	
				return period 0.5000E+03 yr
1.00	0.469E+00	0.664E+00	0.136E+01	
2.50	0.274E+00	0.507E+00	0.124E+01	
5.00	0.149E+00	0.241E+00	0.571E+00	
10.00	0.782E-01	0.142E+00	0.305E+00	
25.00	0.540E-01	0.715E-01	0.135E+00	
				return period 0.1000E+04
1.00	0.586E+00	0.908E+00	0.223E+01	
2.50	0.361E+00	0.729E+00	0.212E+01	
5.00	0.200E+00	0.357E+00	0.104E+01	
10.00	0.107E+00	0.209E+00	0.486E+00	
25.00	0.689E-01	0.102E+00	0.206E+00	
				return period 0.2000E+04
1.00	0.731E+00	0.120E+01	0.366E+01	
2.50	0.475E+00	0.103E+01	0.363E+01	
5.00	0.267E+00	0.516E+00	0.189E+01	
10.00	0.146E+00	0.309E+00	0.776E+00	
25.00	0.878E-01	0.145E+00	0.337E+00	
				return period 0.5000E+04
1.00	0.979E+00	0.193E+01	0.679E+01	
2.50	0.684E+00	0.172E+01	0.709E+01	
5.00	0.391E+00	0.894E+00	0.416E+01	
10.00	0.221E+00	0.509E+00	0.148E+01	
25.00	0.121E+00	0.222E+00	0.643E+00	
				return period 0.1000E+05
1.00	0.117E+01	0.276E+01	0.106E+02	
2.50	0.900E+00	0.255E+01	0.110E+02	
5.00	0.514E+00	0.136E+01	0.684E+01	
10.00	0.303E+00	0.770E+00	0.242E+01	
25.00	0.155E+00	0.335E+00	0.105E+01	

probabilities of exceedance of design spectrum

for best estimate of hazard

freq(hz)	period(s)	prob. of exceedance
0.33	3.03	0.246E-05
1.00	1.00	0.432E-05
1.67	0.60	0.627E-05
2.50	0.40	0.102E-04
3.30	0.30	0.113E-04
5.00	0.20	0.169E-04
12.50	0.08	0.424E-04
25.00	0.04	0.505E-04

for 15.0 percentile hazard

freq(hz)	period(s)	prob. of exceedance
0.33	3.03	0.771E-08
1.00	1.00	0.460E-07
1.67	0.60	0.110E-06
2.50	0.40	0.280E-06
3.30	0.30	0.353E-06
5.00	0.20	0.630E-06
12.50	0.08	0.267E-05
25.00	0.04	0.269E-05

for 50.0 percentile hazard

freq(hz)	period(s)	prob. of exceedance
0.33	3.03	0.849E-06
1.00	1.00	0.227E-05
1.67	0.60	0.400E-05
2.50	0.40	0.781E-05
3.30	0.30	0.888E-05
5.00	0.20	0.125E-04
12.50	0.08	0.296E-04
25.00	0.04	0.337E-04

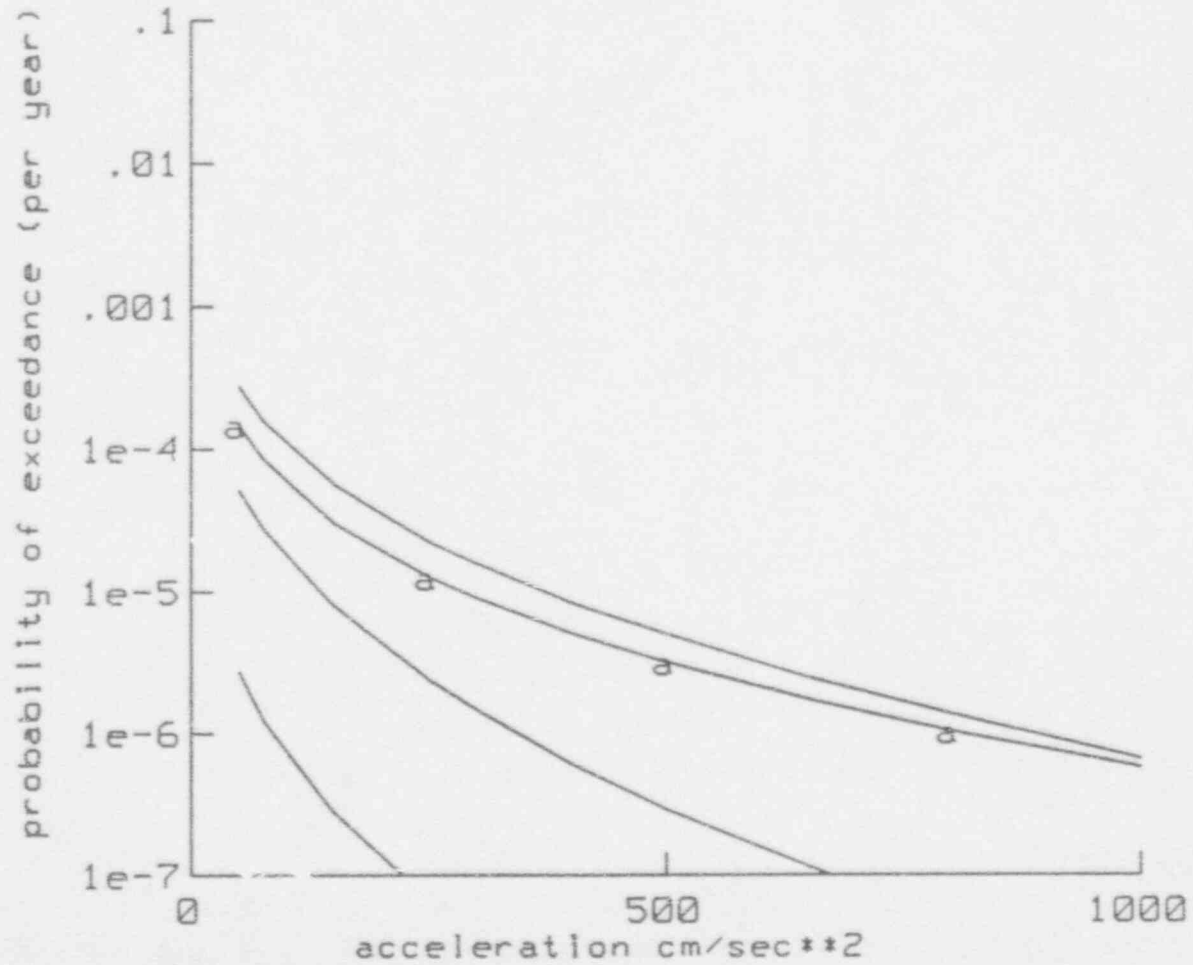
for 85.0 percentile hazard

freq(hz)	period(s)	prob. of exceedance
0.33	3.03	0.487E-04
1.00	1.00	0.695E-04
1.67	0.60	0.911E-04
2.50	0.40	0.134E-03
3.30	0.30	0.139E-03
5.00	0.20	0.173E-03
12.50	0.08	0.181E-03
25.00	0.04	0.201E-03

for arithmetic mean estimates of hazard

freq(hz)	period(s)	prob. of exceedance
0.33	3.03	0.232E-04
1.00	1.00	0.463E-04
1.67	0.60	0.719E-04
2.50	0.40	0.121E-03
3.30	0.30	0.106E-03
5.00	0.20	0.973E-04
12.50	0.08	0.987E-04
25.00	0.04	0.111E-03

percentiles = 15., 50. and 85.
arithmetic means
hazard curves using S & G experts

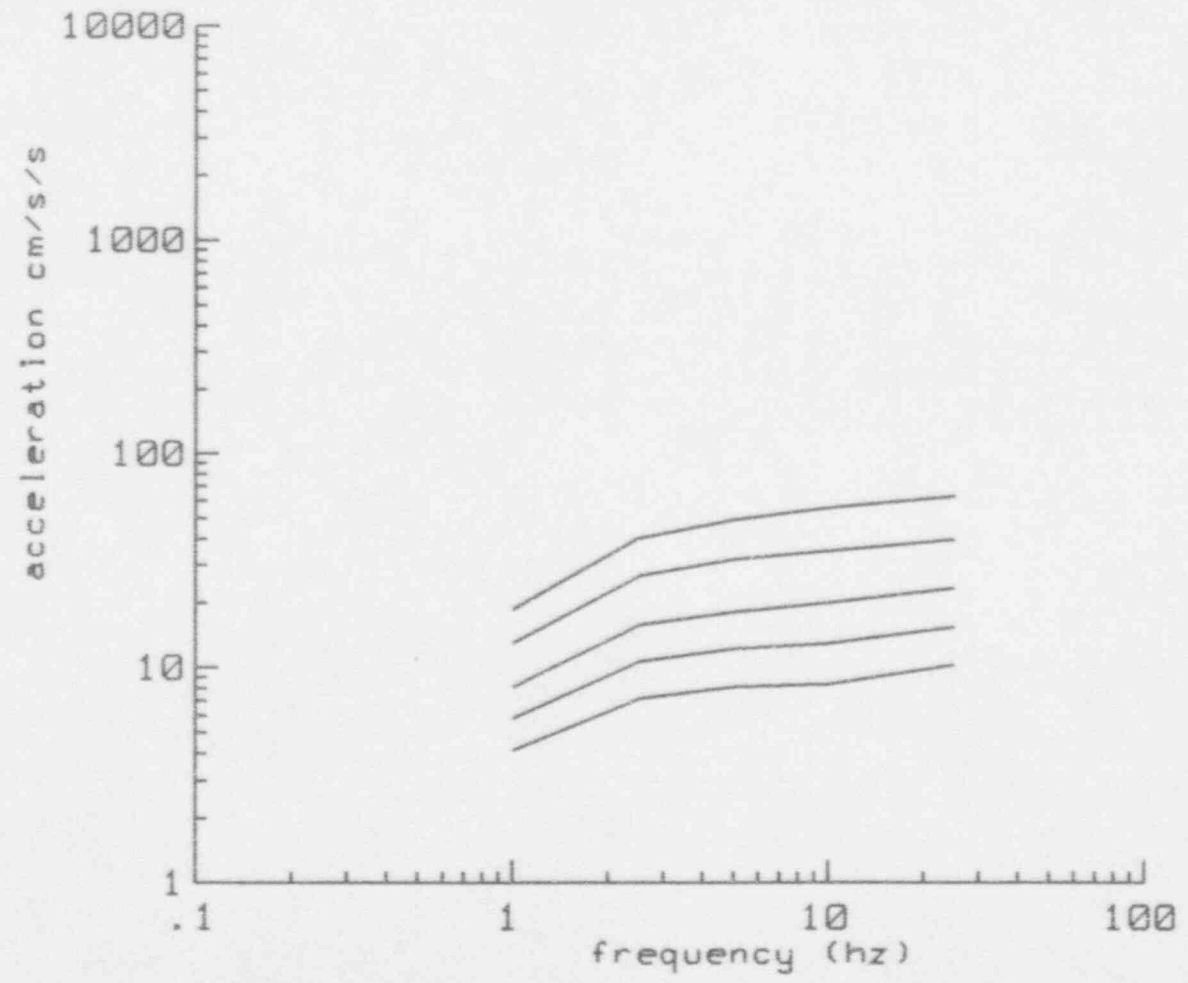


st. lucie

EUS update, 1992 Seismicity, PGA
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
SIM. 59, NCM. 1, NSEX.10

500., 1000., 2000., 5000., 10000. years return period
best estimate spectra combined over S & G experts

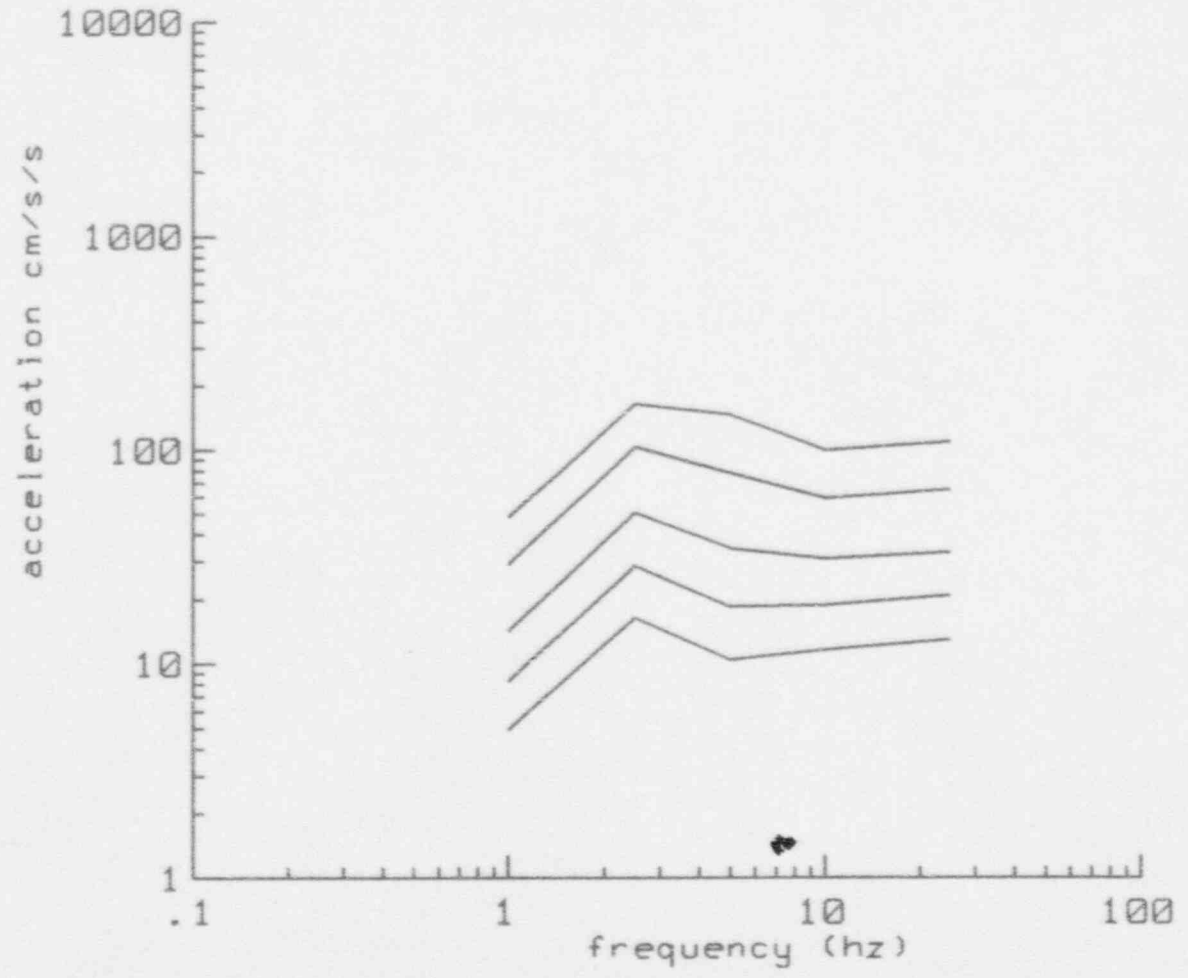


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EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
SIM = 50, NGM = 1, NSEX = 10

500., 1000., 2000., 5000., 10000. years return period
arithmetic average spectra for S & G experts

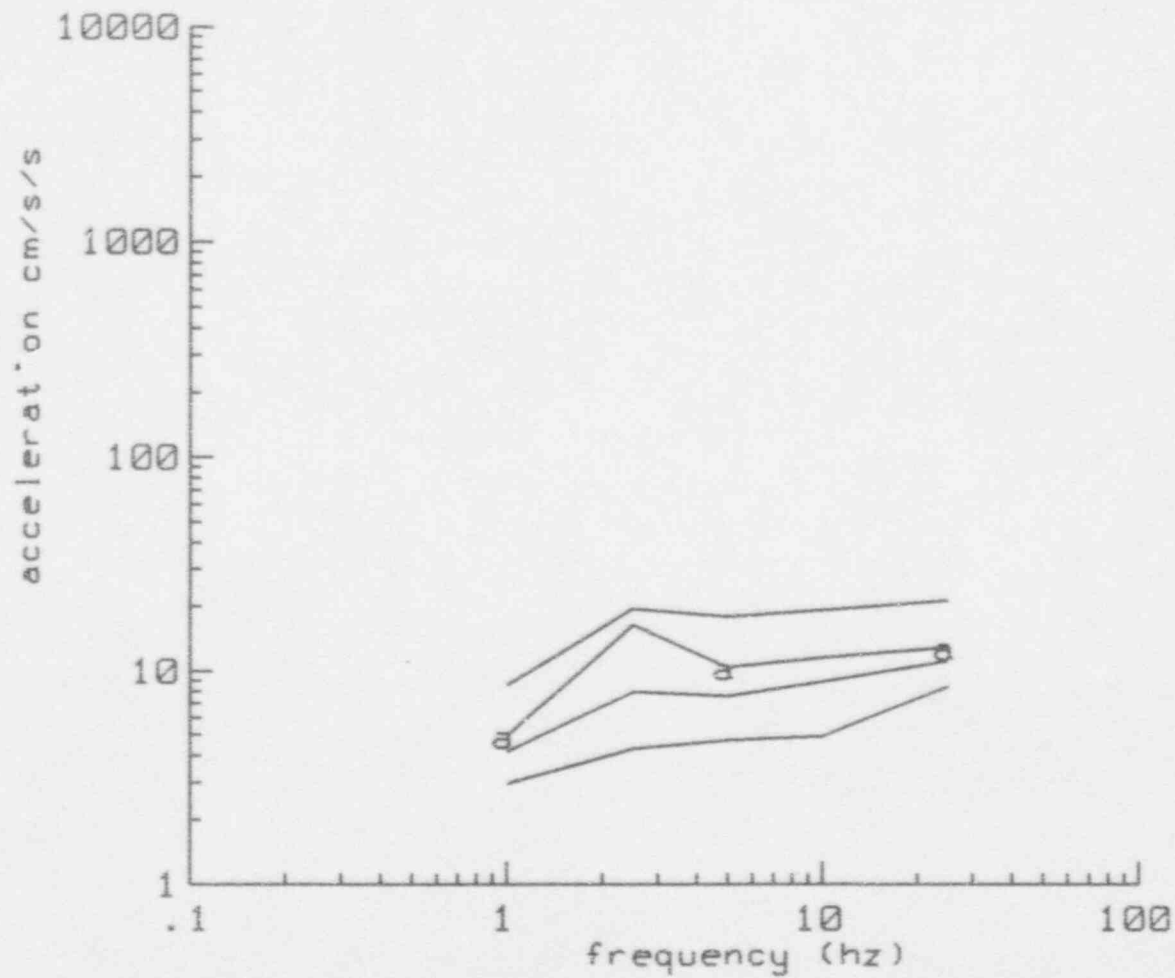


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EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
SIT. 50, NCM. 1, NSEX.10

500.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

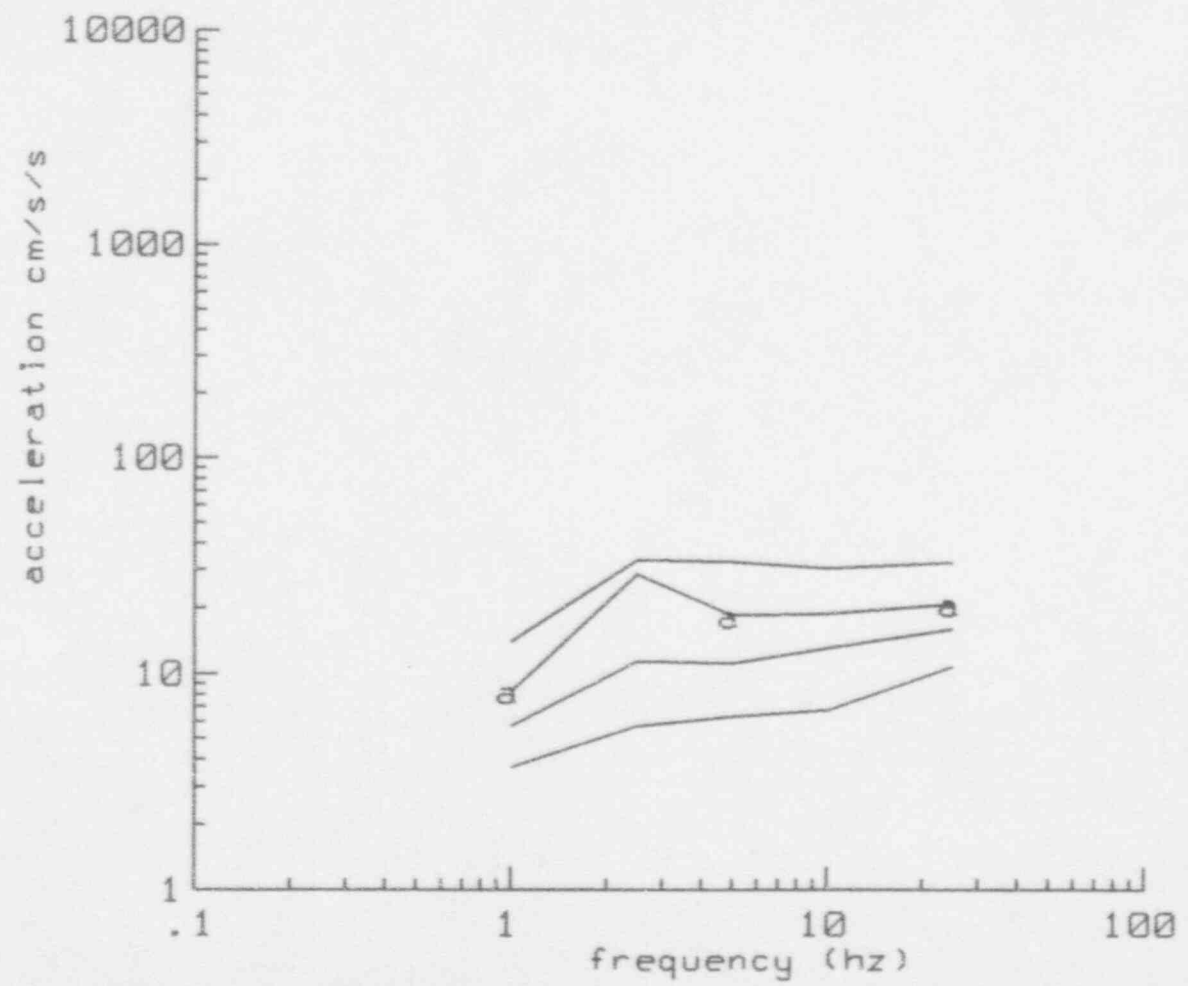


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EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
SIM = 50, NGM = 1, NSEX = 10

1000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

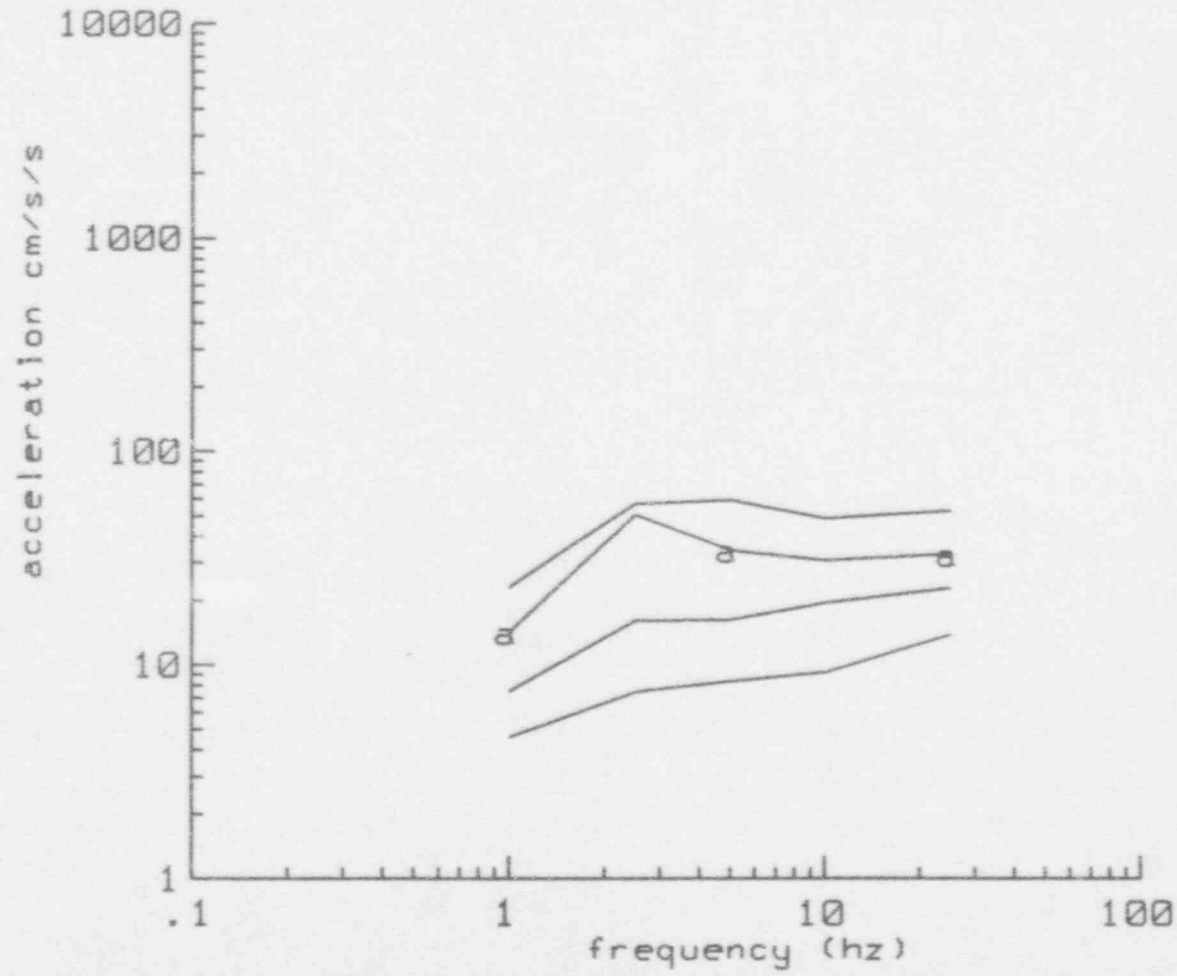


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EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
SIM = 50, NCM = 1, NSEX = 10

2000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

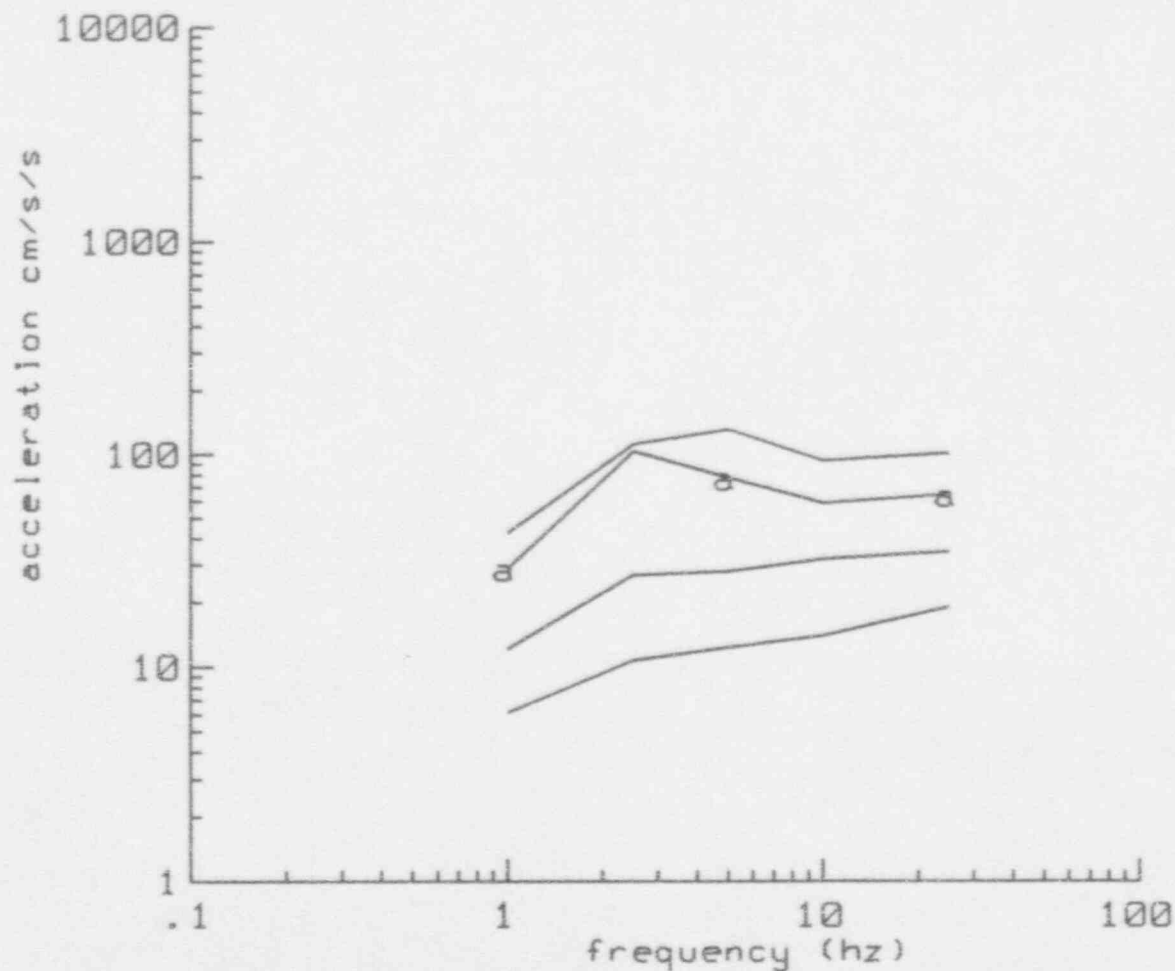


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EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
SIM= 50, NCM= 1, NSEX=10

5000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

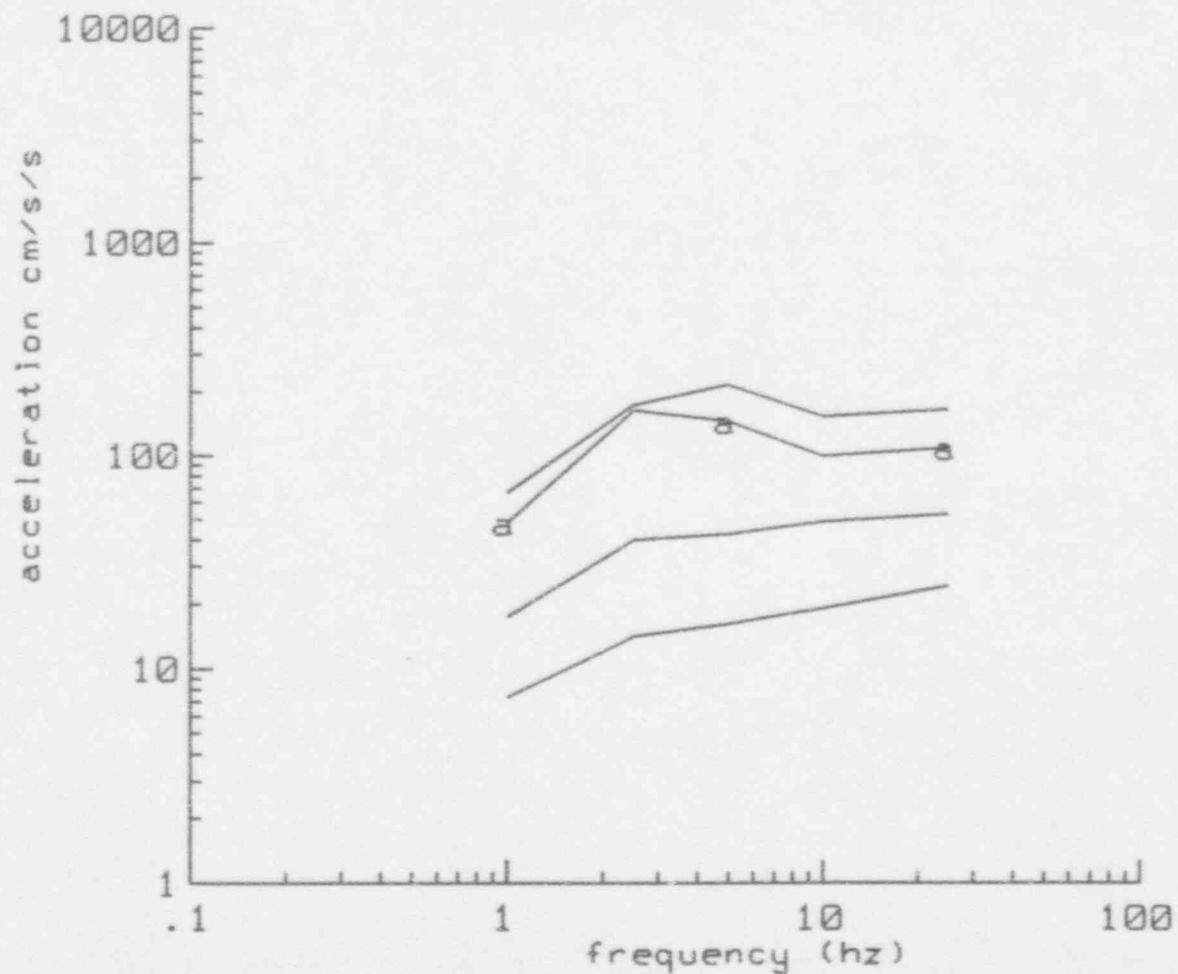


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EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
SIM. 50, NCM. 1, NSEX. 10

10000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

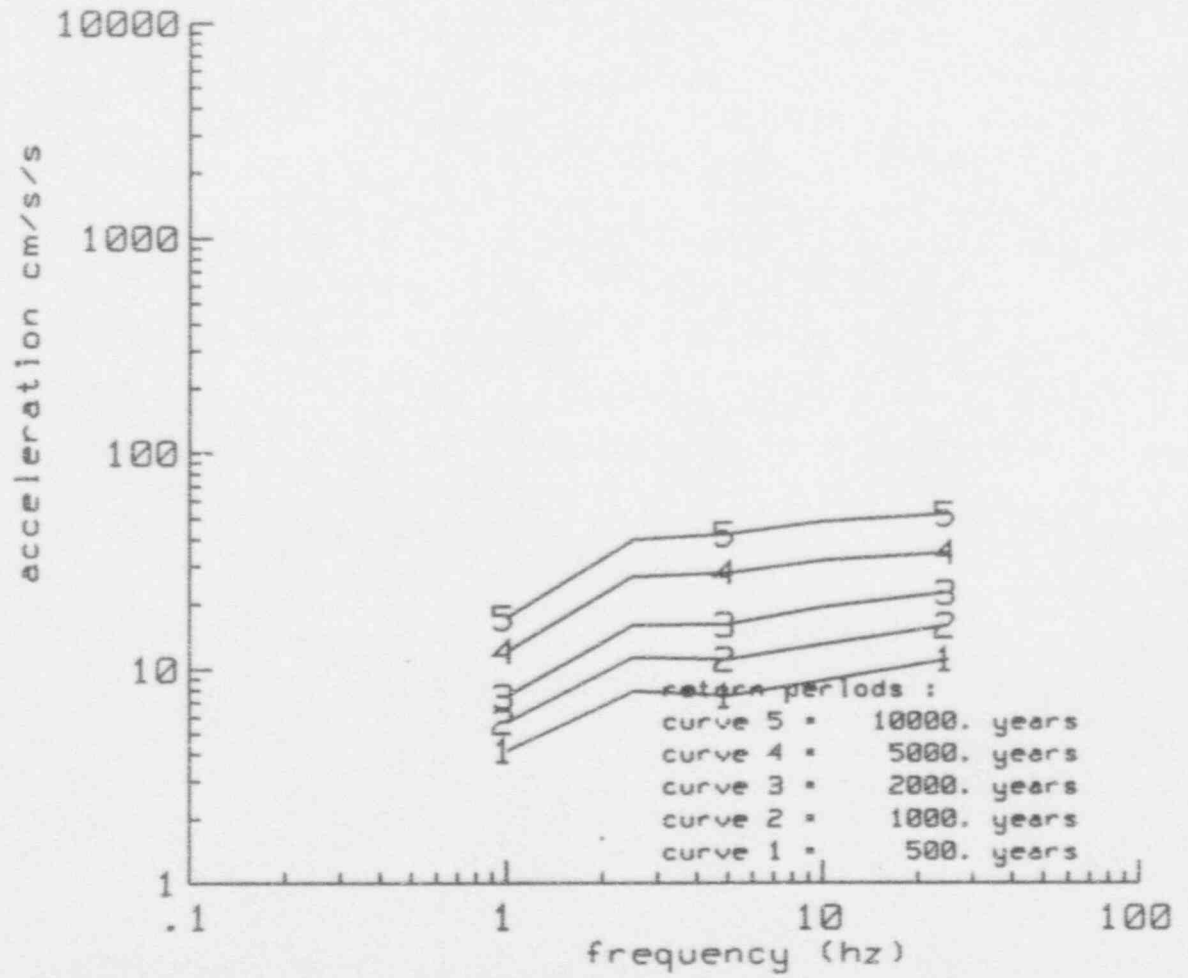


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EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:06
 51H. 50, NCM. 1, NSEX. 10

50-th percentile spectra for all return periods



st. lucie

EUS update, 1992 Seismicity, PSV
 1992 Composite g.m. accross experts

TURKEY POINT - 1992 PRELIMINARY LLNL HAZARD ESTIMATES FOR PEAK ACCELERATION

acceleration (gals)	best est	arithmetic mean	geometric mean
0.5000E+02	0.7908E-04	0.1227E-03	0.1845E-04
0.7500E+02	0.4431E-04	0.7052E-04	0.9842E-05
0.1500E+03	0.1415E-04	0.2361E-04	0.2860E-05
0.2500E+03	0.4963E-05	0.8904E-05	0.9740E-06
0.3000E+03	0.3213E-05	0.6013E-05	0.6128E-06
0.4000E+03	0.1501E-05	0.3074E-05	0.2584E-06
0.5000E+03	0.7774E-06	0.1750E-05	0.1242E-06
0.6500E+03	0.3321E-06	0.8616E-06	0.4626E-07
0.8000E+03	0.1596E-06	0.4751E-06	0.1941E-07
0.1000E+04	0.6828E-07	0.2425E-06	0.6768E-08

acceleration	percentiles		
	15th	50th	85th
0.5000E+02	0.3120E-05	0.5140E-04	0.2530E-03
0.7500E+02	0.1680E-05	0.2770E-04	0.1430E-03
0.1500E+03	0.4660E-06	0.7780E-05	0.4600E-04
0.2500E+03	0.1180E-06	0.2340E-05	0.1690E-04
0.3000E+03	0.6450E-07	0.1420E-05	0.1150E-04
0.4000E+03	0.2410E-07	0.5850E-06	0.5670E-05
0.5000E+03	0.8820E-08	0.2690E-06	0.3070E-05
0.6500E+03	0.2320E-08	0.9760E-07	0.1360E-05
0.8000E+03	0.6700E-09	0.4120E-07	0.7250E-06
0.1000E+04	0.1310E-09	0.1430E-07	0.3390E-06

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TURKEY POINT - 1992 PRELIMINARY LLNL SPECTRAL HAZARD ESTIMATES
 1992 SEISMICITY INPUTS
 1992 COMPOSITE GROUND MOTION ACROSS EXPERTS
 VARIABLE IS SPECTRAL VELOCITY

velocity (cm/sec)	best estimate	arithmetic mean	geometric mean
		frequency	0.1000E+01 HZ
0.1000E+01	0.1648E-03	0.3957E-03	0.1462E-03
0.5000E+01	0.8434E-05	0.5425E-04	0.3995E-05
0.1500E+02	0.8325E-06	0.1209E-04	0.1289E-06
0.2500E+02	0.2397E-06	0.5402E-05	0.1952E-07
0.4000E+02	0.6661E-07	0.2366E-05	0.2923E-08
0.5000E+02	0.3416E-07	0.1549E-05	0.1191E-08
0.6000E+02	0.1910E-07	0.1079E-05	0.5496E-09
0.7000E+02	0.1136E-07	0.7853E-06	0.2754E-09
0.8000E+02	0.7083E-08	0.5916E-06	0.1618E-09
0.2000E+03	0.1365E-09	0.6767E-07	0.8581E-11
		frequency	0.2500E+01
0.1000E+01	0.2270E-03	0.7140E-03	0.1680E-03
0.6000E+01	0.1146E-04	0.7669E-04	0.5994E-05
0.1100E+02	0.3157E-05	0.2862E-04	0.1274E-05
0.1600E+02	0.1313E-05	0.1454E-04	0.4180E-06
0.2100E+02	0.6673E-06	0.8622E-05	0.1707E-06
0.2600E+02	0.3818E-06	0.5618E-05	0.7993E-07
0.3100E+02	0.2364E-06	0.3902E-05	0.4165E-07
0.3600E+02	0.1547E-06	0.2837E-05	0.2299E-07
0.4100E+02	0.1056E-06	0.2136E-05	0.1339E-07
0.2000E+03	0.2155E-09	0.3590E-07	0.1355E-10
		frequency	0.5000E+01
0.5000E+00	0.4544E-03	0.6725E-03	0.3015E-03
0.5500E+01	0.1070E-04	0.4282E-04	0.5559E-05
0.1050E+02	0.2434E-05	0.1514E-04	0.3653E-06
0.1550E+02	0.8846E-06	0.7460E-05	0.2607E-06
0.2050E+02	0.4047E-06	0.4300E-05	0.8970E-07
0.2550E+02	0.2118E-06	0.2724E-05	0.3534E-07
0.3050E+02	0.1100E-06	0.1841E-05	0.1581E-07
0.3550E+02	0.5100E-07	0.1305E-05	0.7526E-08
0.4050E+02	0.4064E-07	0.9593E-06	0.3914E-08
0.2000E+03	0.1663E-10	0.1133E-07	0.3495E-11
		frequency	0.1000E+02
0.5000E+00	0.2795E-03	0.4045E-03	0.1708E-03
0.2500E+01	0.3000E-04	0.5070E-04	0.1440E-04
0.4500E+01	0.1027E-04	0.1874E-04	0.4268E-05
0.6500E+01	0.4648E-05	0.9243E-05	0.1681E-05
0.8500E+01	0.2440E-05	0.5287E-05	0.7647E-06
0.1050E+02	0.1412E-05	0.3321E-05	0.3823E-06
0.1250E+02	0.8777E-06	0.2228E-05	0.2047E-06
0.1450E+02	0.5754E-06	0.1570E-05	0.1155E-06
0.1650E+02	0.3933E-06	0.1149E-05	0.6802E-07
0.1850E+03	0.4841E-11	0.5764E-09	0.2039E-11
		frequency	0.2500E+02
0.2000E+00	0.3086E-03	0.4286E-03	0.1827E-03

0.2200E+01	0.1064E-04	0.1508E-04	0.3428E-05
0.4200E+01	0.1870E-05	0.3319E-05	0.2710E-06
0.6200E+01	0.5197E-06	0.1143E-05	0.2470E-07
0.8200E+01	0.1927E-06	0.5235E-06	0.3286E-08
0.1020E+02	0.8176E-07	0.2830E-06	0.5475E-09
0.1220E+02	0.3748E-07	0.1694E-06	0.1259E-09
0.1420E+02	0.1792E-07	0.1086E-06	0.3849E-10
0.1620E+02	0.8727E-08	0.7304E-07	0.1490E-10
0.1820E+03	0.1000E-19	0.1316E-13	0.1000E-11

UNIFORM HAZARD VELOCITY SPECTRA

frequency	best estimate	arithmetic mean	geometric mean
		return period	0.5000E+03 YR
0.1000E+01	0.2837E+00	0.2883E+00	0.3839E+00
0.2500E+01	0.2951E+00	0.4676E+00	0.2963E+00
0.5000E+01	0.2124E+00	0.2096E+00	0.1842E+00
0.1000E+02	0.1350E+00	0.1597E+00	0.1151E+00
0.2500E+02	0.6565E-01	0.7664E-01	0.6537E-01
		return period	0.1000E+04
0.1000E+01	0.4051E+00	0.4945E+00	0.5028E+00
0.2500E+01	0.4379E+00	0.7906E+00	0.4194E+00
0.5000E+01	0.3212E+00	0.3701E+00	0.2692E+00
0.1000E+02	0.2157E+00	0.2644E+00	0.1752E+00
0.2500E+02	0.1012E+00	0.1201E+00	0.9232E-01
		return period	0.2000E+04
0.1000E+01	0.5786E+00	0.8485E+00	0.6584E+00
0.2500E+01	0.6498E+00	0.1331E+01	0.5935E+00
0.5000E+01	0.4857E+00	0.6472E+00	0.3934E+00
0.1000E+02	0.3447E+00	0.4377E+00	0.2668E+00
0.2500E+02	0.1559E+00	0.1883E+00	0.1304E+00
		return period	0.5000E+04
0.1000E+01	0.9268E+00	0.1738E+01	0.9403E+00
0.2500E+01	0.1079E+01	0.2779E+01	0.9393E+00
0.5000E+01	0.8451E+00	0.1437E+01	0.6398E+00
0.1000E+02	0.6365E+00	0.8630E+00	0.4651E+00
0.2500E+02	0.2723E+00	0.3453E+00	0.2057E+00
		return period	0.1000E+05
0.1000E+01	0.1311E+01	0.3047E+01	0.1185E+01
0.2500E+01	0.1635E+01	0.4848E+01	0.1322E+01
0.5000E+01	0.1317E+01	0.2628E+01	0.9700E+00
0.1000E+02	0.1049E+01	0.1477E+01	0.7085E+00
0.2500E+02	0.4461E+00	0.5674E+00	0.2877E+00

UNIFORM HAZARD VELOCITY SPECTRA

frequency	percentiles			
	15	50	85	
				return period 0.5000E+03 yr
1.00	0.325E+00	0.381E+00	0.573E+00	
2.50	0.188E+00	0.305E+00	0.620E+00	
5.00	0.117E+00	0.216E+00	0.366E+00	
10.00	0.643E-01	0.142E+00	0.259E+00	
25.00	0.374E-01	0.763E-01	0.122E+00	
				return period 0.1000E+04
1.00	0.394E+00	0.503E+00	0.925E+00	
2.50	0.246E+00	0.433E+00	0.101E+01	
5.00	0.157E+00	0.314E+00	0.611E+00	
10.00	0.912E-01	0.214E+00	0.429E+00	
25.00	0.502E-01	0.108E+00	0.190E+00	
				return period 0.2000E+04
1.00	0.478E+00	0.665E+00	0.149E+01	
2.50	0.321E+00	0.613E+00	0.177E+01	
5.00	0.212E+00	0.456E+00	0.108E+01	
10.00	0.129E+00	0.324E+00	0.711E+00	
25.00	0.675E-01	0.154E+00	0.294E+00	
				return period 0.5000E+04
1.00	0.616E+00	0.961E+00	0.289E+01	
2.50	0.458E+00	0.973E+00	0.374E+01	
5.00	0.313E+00	0.746E+00	0.230E+01	
10.00	0.205E+00	0.552E+00	0.146E+01	
25.00	0.997E-01	0.236E+00	0.569E+00	
				return period 0.1000E+05
1.00	0.747E+00	0.124E+01	0.478E+01	
2.50	0.598E+00	0.138E+01	0.639E+01	
5.00	0.421E+00	0.113E+01	0.407E+01	
10.00	0.291E+00	0.859E+00	0.252E+01	
25.00	0.134E+00	0.359E+00	0.939E+00	

probabilities of exceedance of design spectrum

for best estimate of hazard

freq(hz)	period(s)	prob. of exceedance
0.30	3.33	0.109E-06
1.00	1.00	0.397E-06
2.00	0.50	0.127E-05
4.00	0.25	0.330E-05
7.00	0.14	0.985E-05
10.00	0.10	0.226E-04
14.00	0.07	0.328E-04
33.00	0.03	0.363E-04

for 15.0 percentile hazard

freq(hz)	period(s)	prob. of exceedance
0.30	3.33	0.211E-11
1.00	1.00	0.271E-09
2.00	0.50	0.683E-08
4.00	0.25	0.578E-07
7.00	0.14	0.345E-06
10.00	0.10	0.113E-05
14.00	0.07	0.175E-05
33.00	0.03	0.173E-05

for 50.0 percentile hazard

freq(hz)	period(s)	prob. of exceedance
0.30	3.33	0.386E-08
1.00	1.00	0.587E-07
2.00	0.50	0.414E-06
4.00	0.25	0.158E-05
7.00	0.14	0.579E-05
10.00	0.10	0.136E-04
14.00	0.07	0.198E-04
33.00	0.03	0.212E-04

for 85.0 percentile hazard

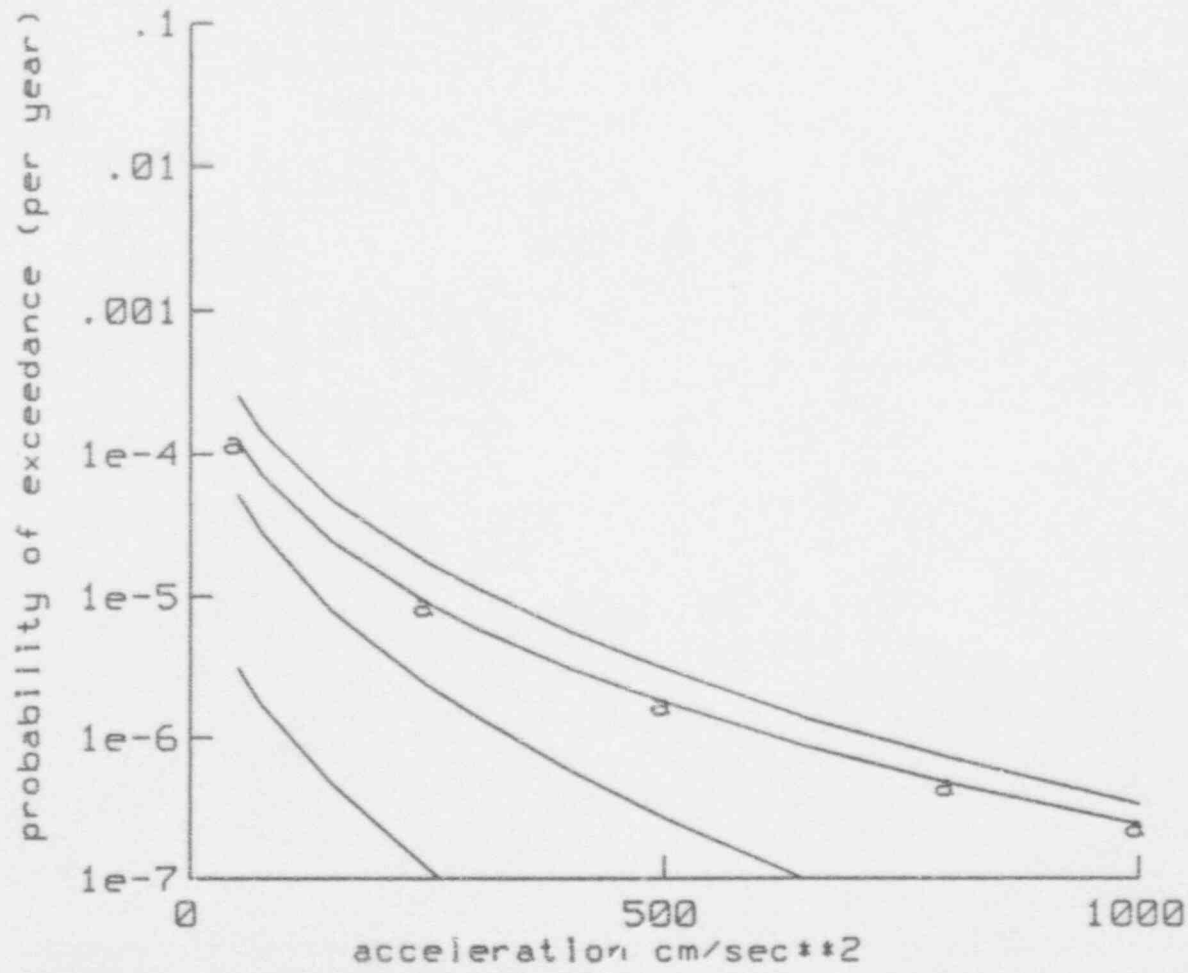
freq(hz)	period(s)	prob. of exceedance
0.30	3.33	0.652E-05
1.00	1.00	0.978E-05
2.00	0.50	0.186E-04
4.00	0.25	0.305E-04
7.00	0.14	0.469E-04
10.00	0.10	0.769E-04
14.00	0.07	0.102E-03
33.00	0.03	0.102E-03

for arithmetic mean estimates of hazard

freq(hz)	period(s)	prob. of exceedance
0.30	3.33	0.452E-05
1.00	1.00	0.749E-05
2.00	0.50	0.148E-04
4.00	0.25	0.213E-04
7.00	0.14	0.268E-04
10.00	0.10	0.390E-04
14.00	0.07	0.508E-04
33.00	0.03	0.499E-04

PROGRAM COMB VER1.10 COMPILED 09/10/92 10:21:54 EXECUTED 12/09/92 22:18:06
NSIM.100, NGM.1, NSEX.11

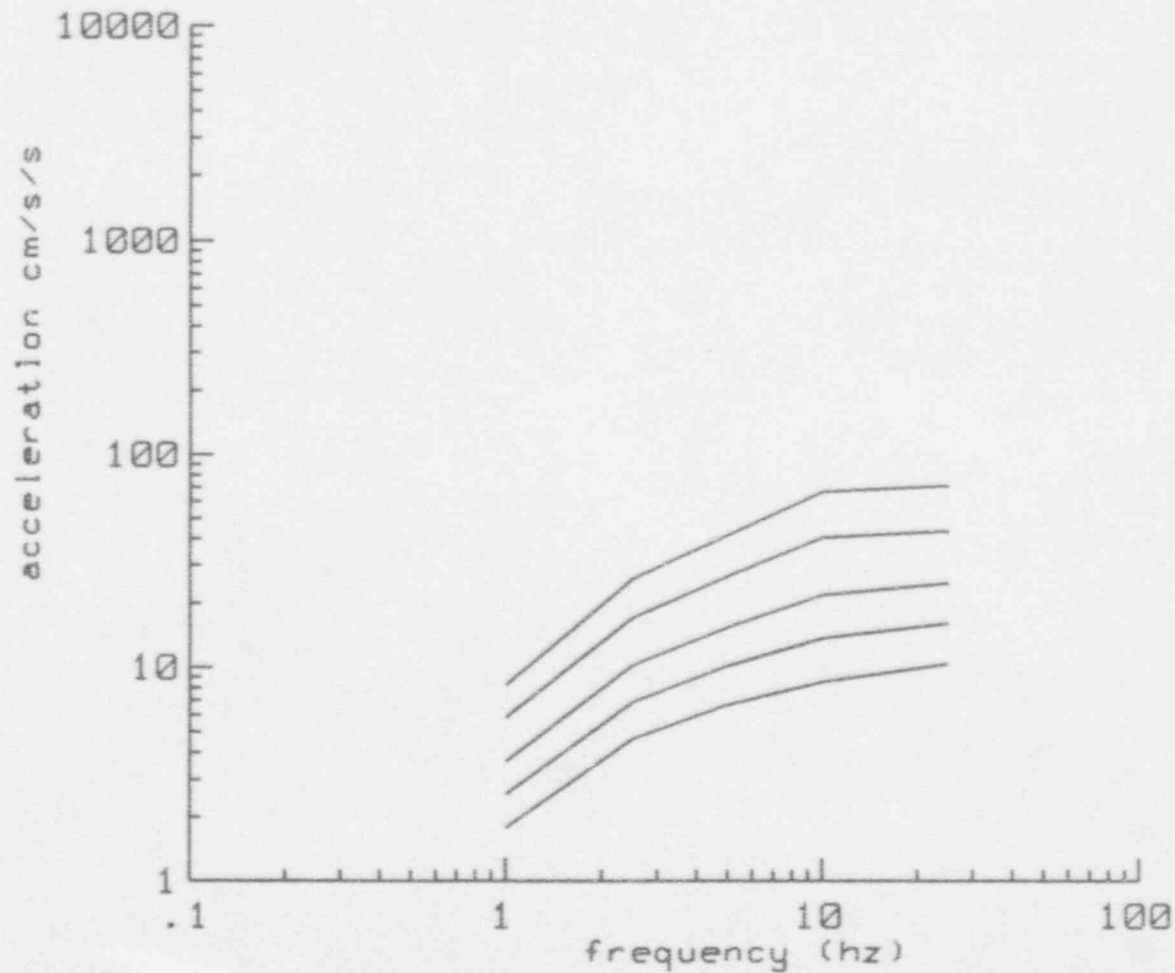
percentiles = 15., 50. and 85.
arithmetic means
hazard curves using S & G experts



turkey point
EUS update, 1992 Seismicity, PGA
1992 Composite g.m. across experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:51
59, NCM. 1, NSEX.10

500., 1000., 2000., 5000., 10000. years return period
best estimate spectra combined over S & G experts

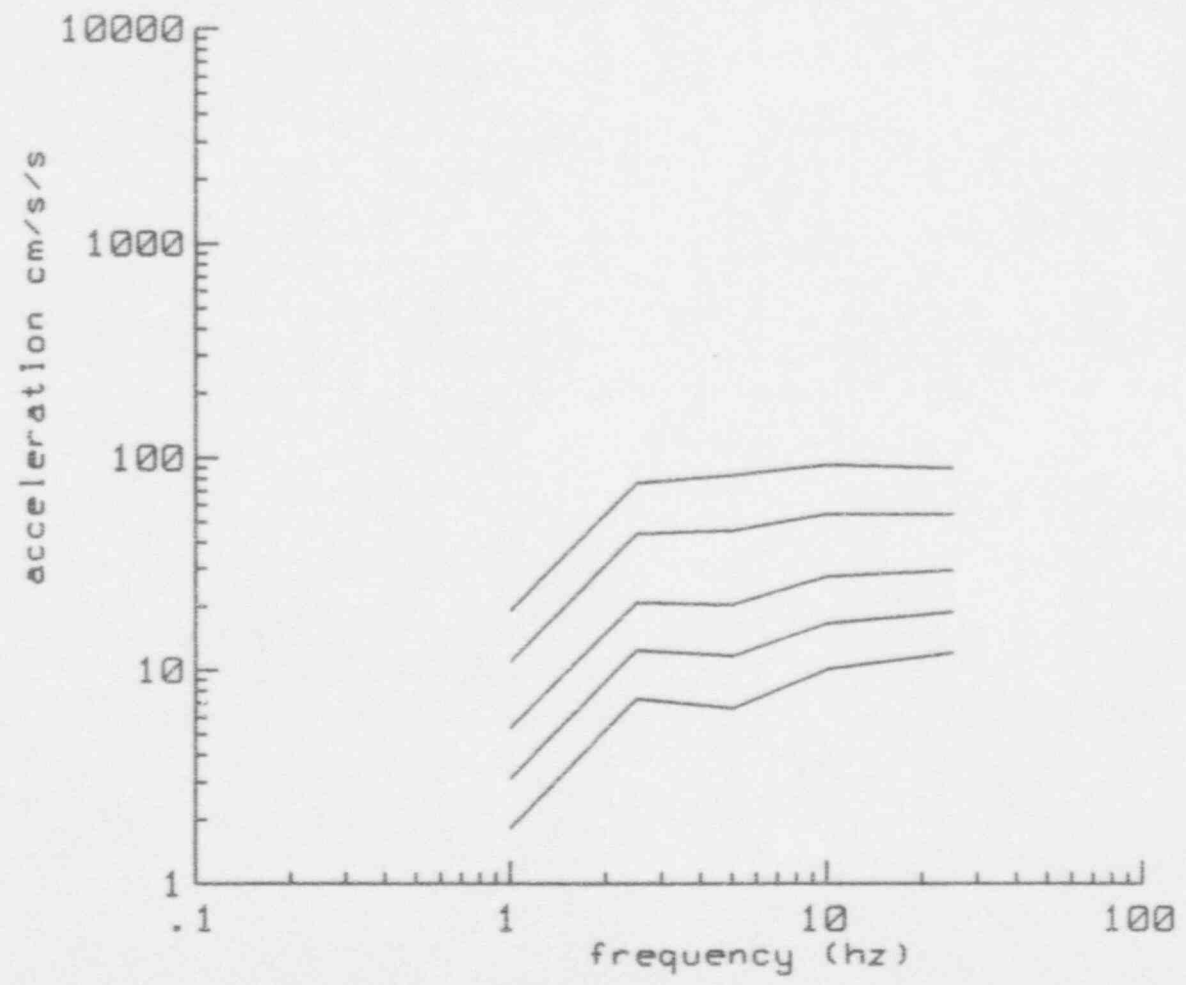


turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:51
S1M. 50, NCM. 1, NSEX. 10

500., 1000., 2000., 5000., 10000. years return period
arithmetic average spectra for S & G experts

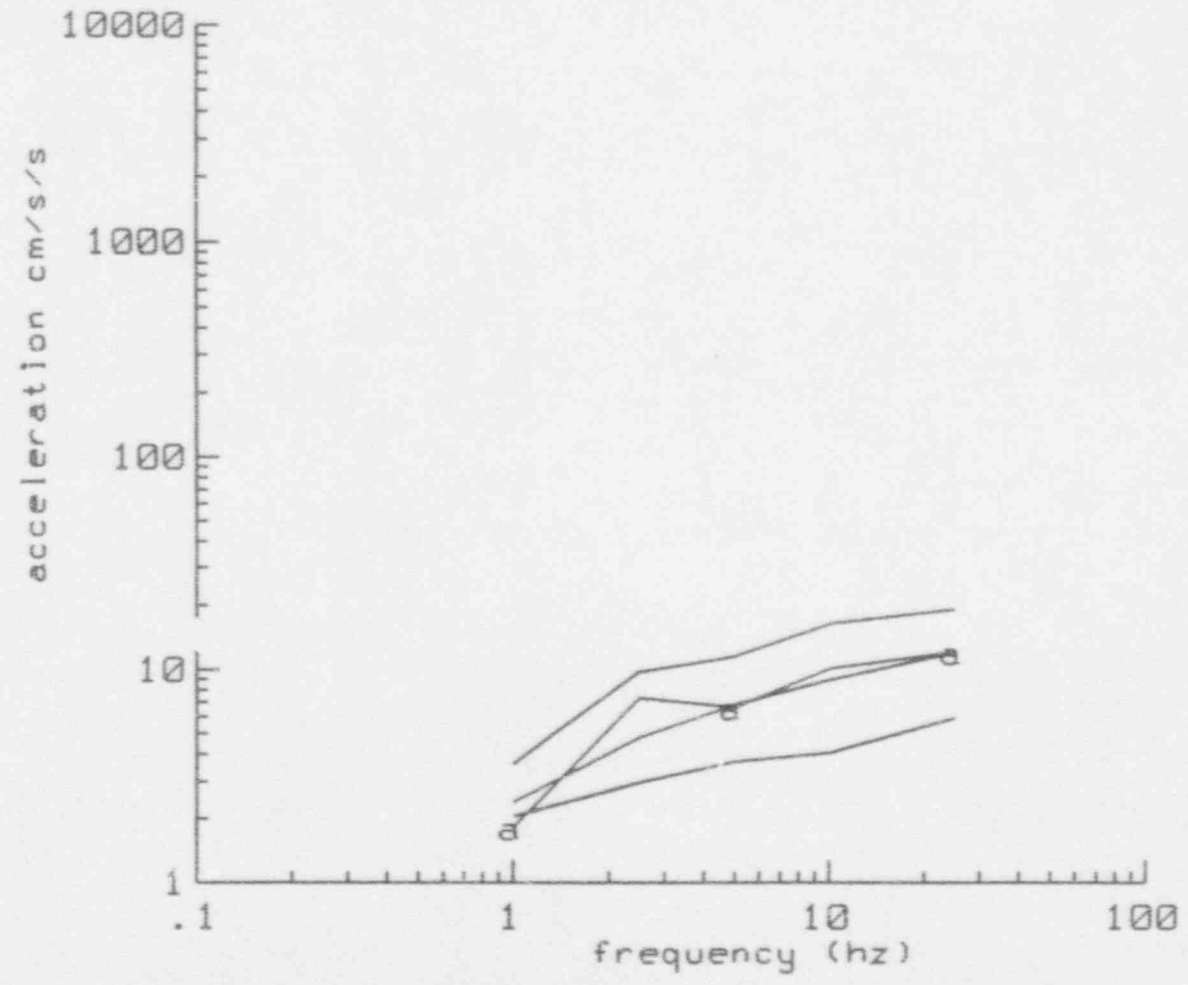


turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:51
SIM= 50, NGM= 1, NSEX=10

500.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

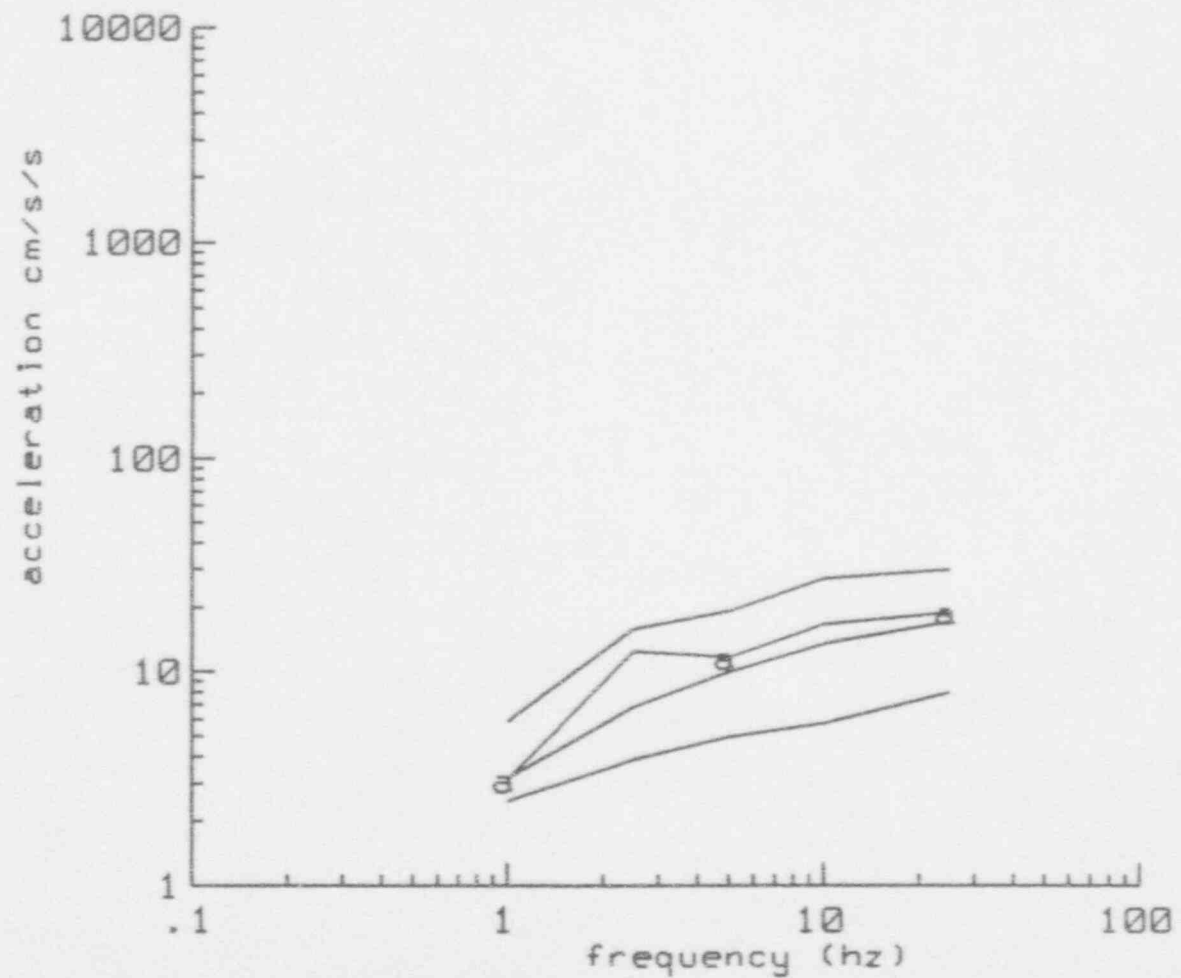


turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:51
NSIM = 50, NGM = 1, NSEX = 10

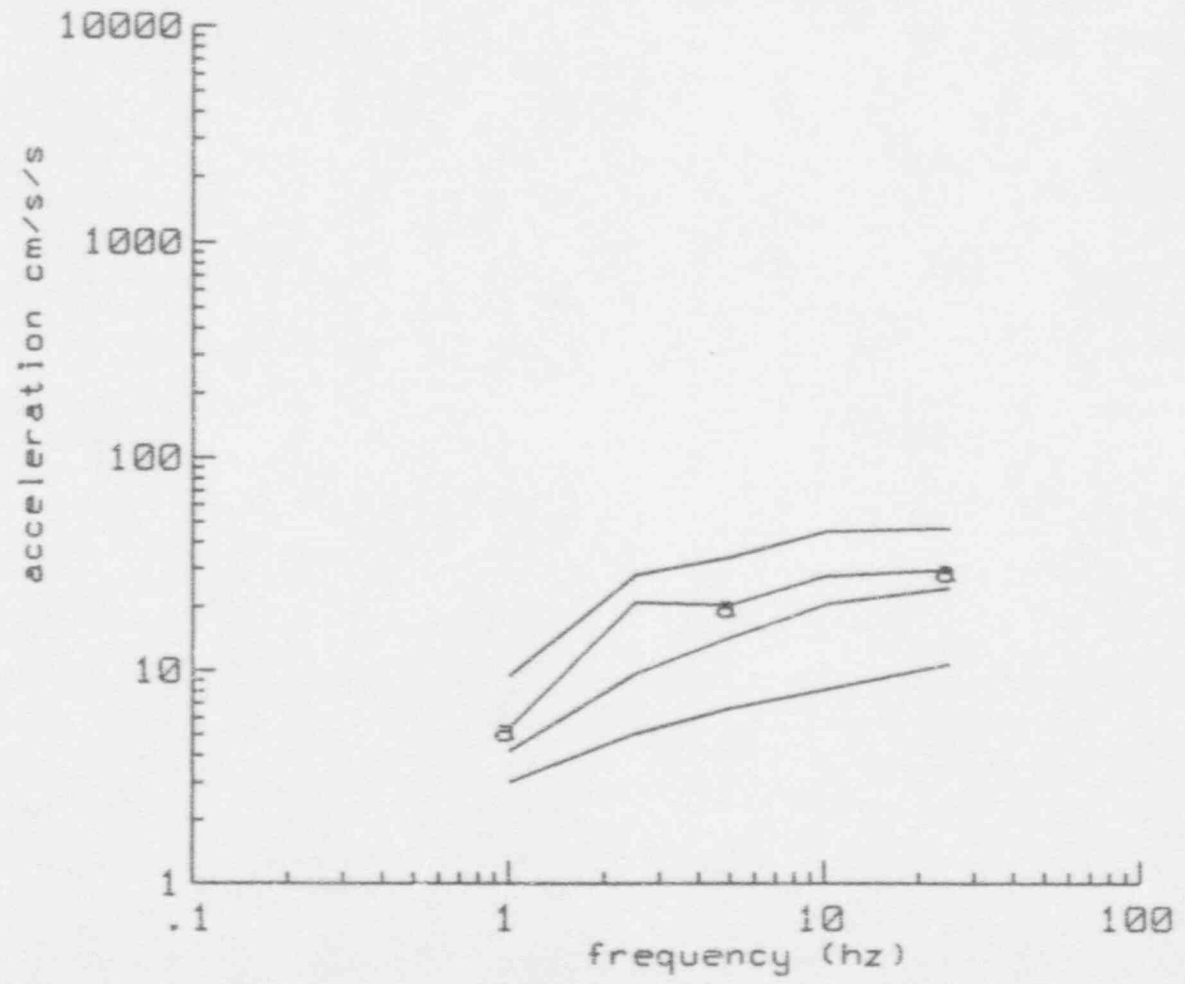
1000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.



turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

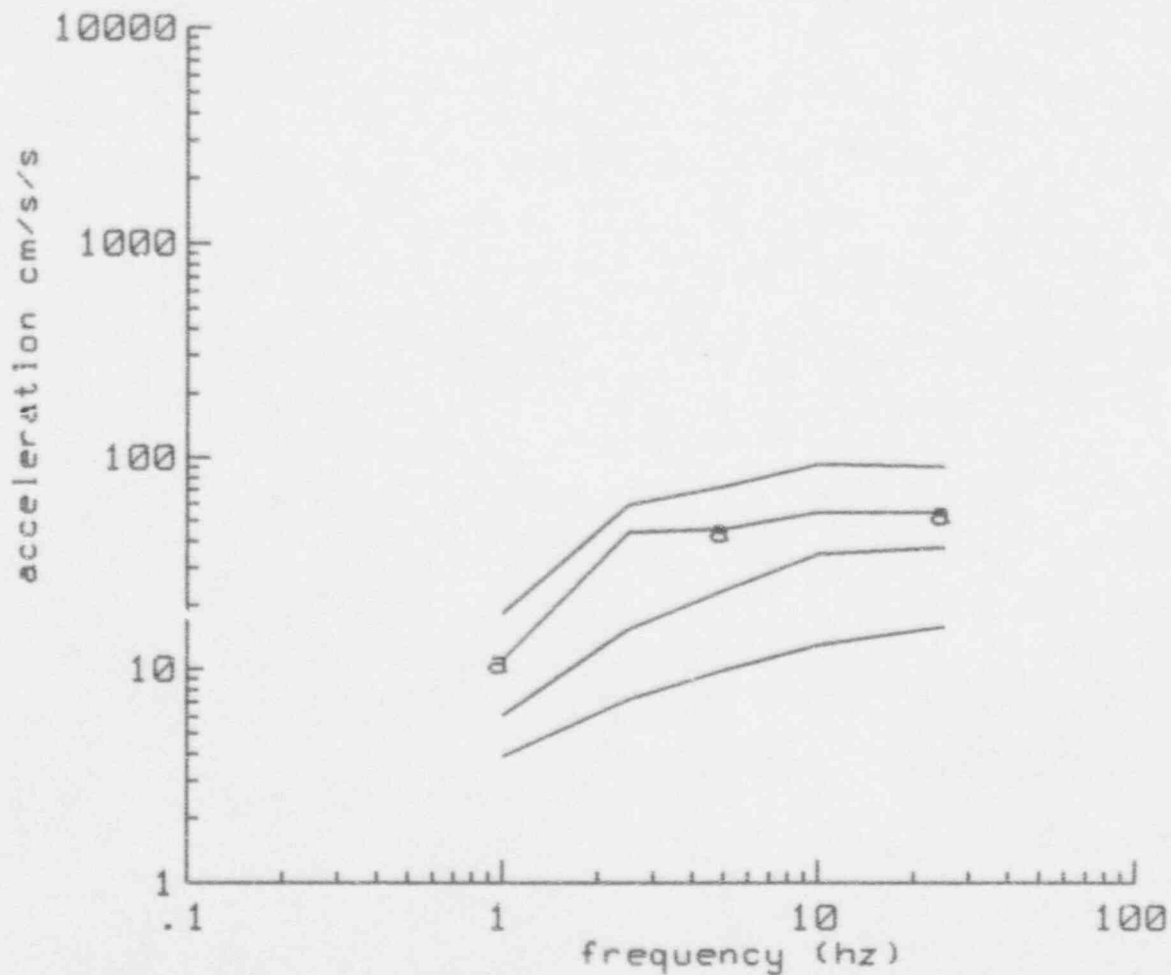
2000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.



turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

5000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

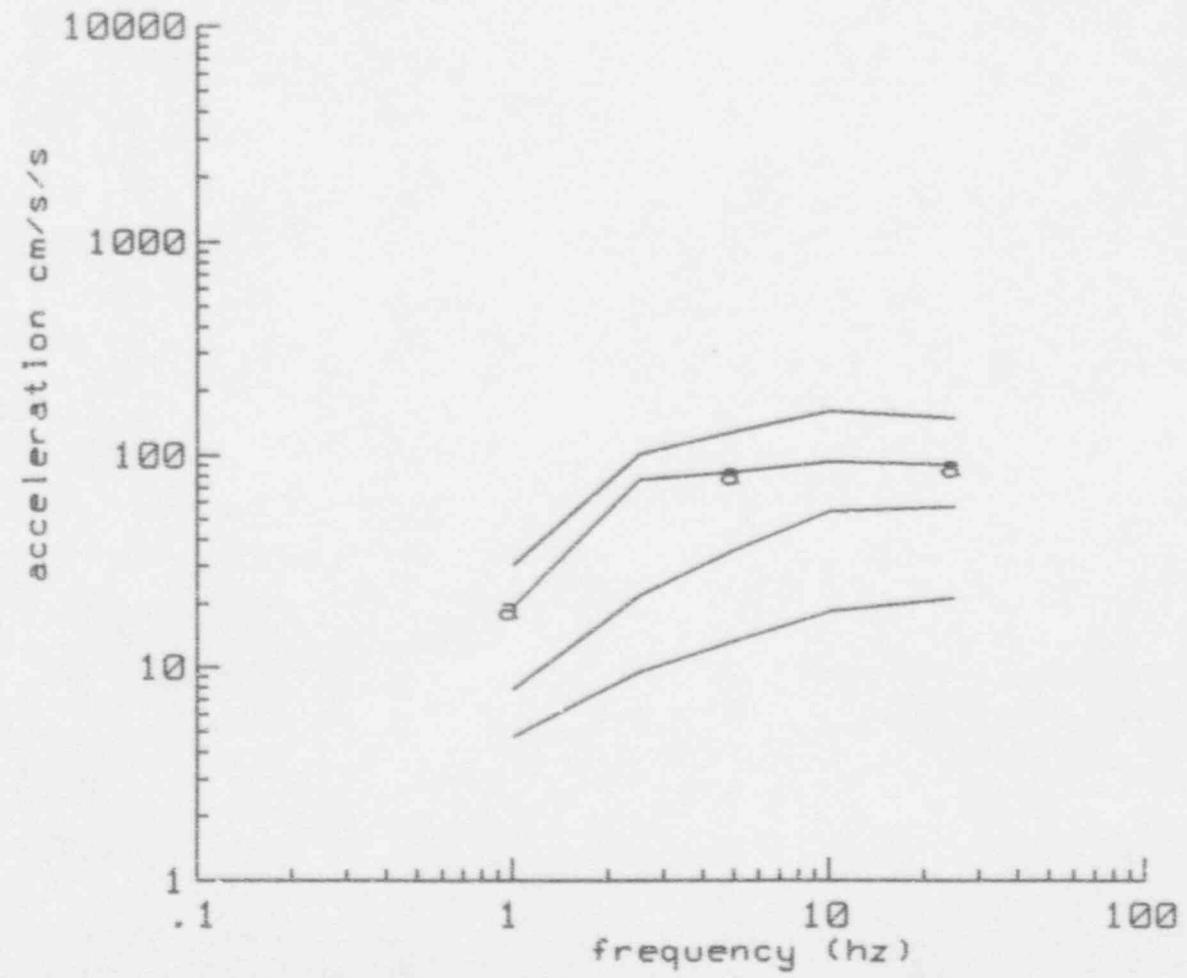


turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED :2/17/92 16:39:02 EXECUTED 12/28/92 11:14:51
ISIM = 50, NGM = 1, NSEX = 10

10000.-year return period constant percentile spectra:
percentiles = 15., 50. and 85.

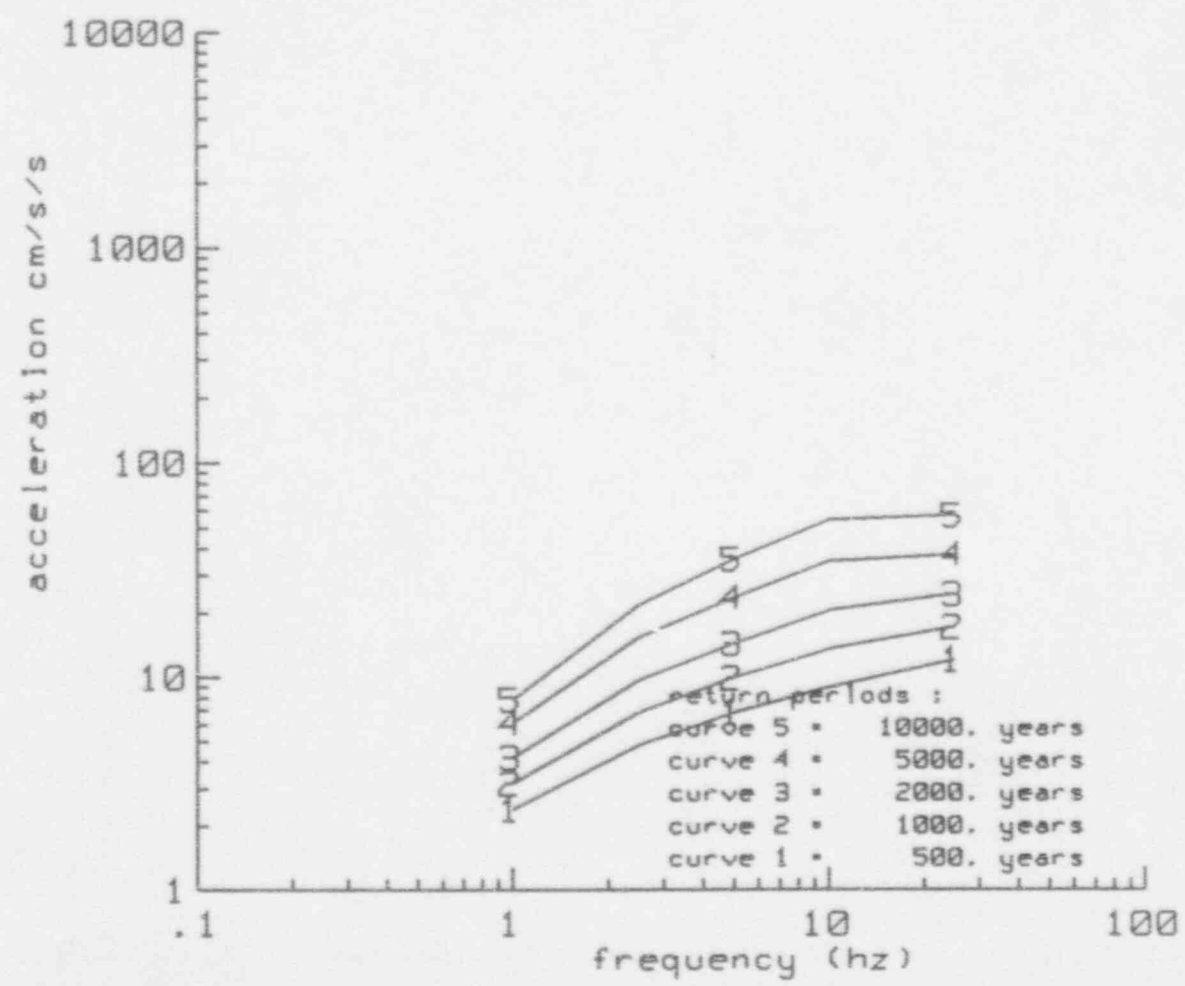


turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts

PROGRAM COMB VER1.10 COMPILED 12/17/92 16:39:02 EXECUTED 12/28/92 11:14:51
ISIM. 50, NGM. 1, NSEX. 10

50-th percentile spectra for all return periods



turkey point

EUS update, 1992 Seismicity, PSV
1992 Composite g.m. accross experts