

ΕΠΙΤΑΧΥΝΣΙΟΓΡΑΦΗΜΑ

13.IX.86

Κύριος σεισμός Καλαμάτας $M_L=5.5$

ΚΩΔΙΚΟΣ 86-1

Συνιστώσες:

| | |
|-------|-------|
| LONG | 86-1L |
| VERT | 86-1V |
| TRANS | 86-1T |

Σ υ ν ι σ τ ῶ σ α

86-1L

(LONG)

Διαγράμματα διορθωμένης εδαφικής:

- Επιτάχυνσης (cm sec^{-2})
- Ταχύτητας (cm sec^{-1})
- Μετακίνησης (cm)

Πίνακας τιμών αδιόρθωτης και διορθωμένης εδαφικής:

- Επιτάχυνσης ($10^{-3} \times \text{cm sec}^{-2}$)

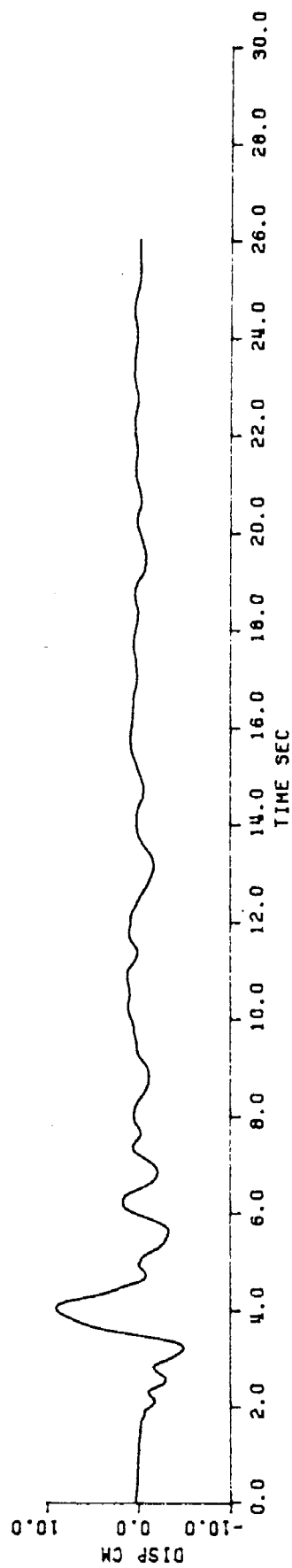
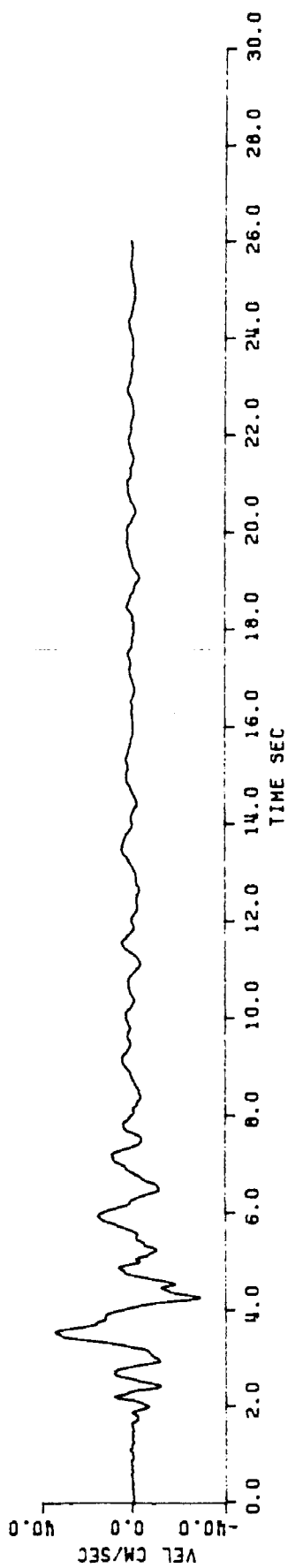
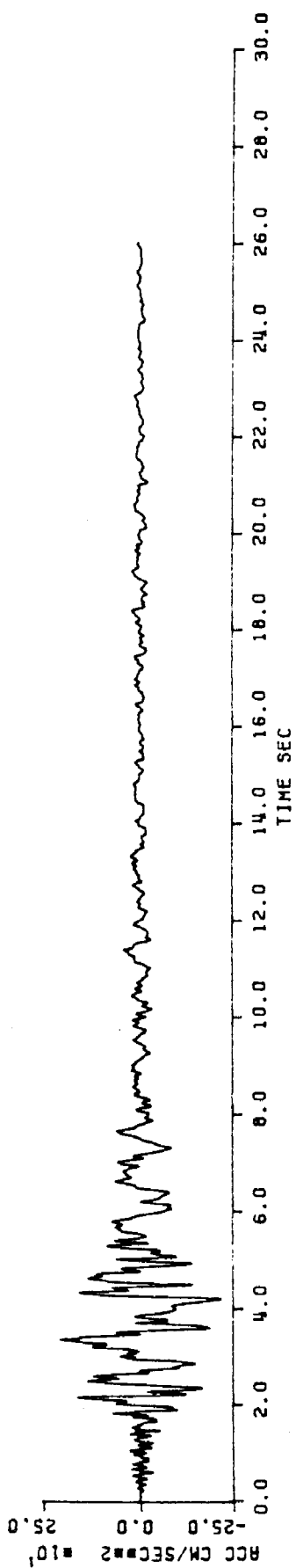
Διαγράμματα πραγματικών φασμάτων σε λογαριθμικές-κανονικές κλίμακες:

- Fourier
- Σχετικών Μετακινήσεων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$
- Σχετικών Ταχυτήτων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$
- Ολικών Επιταχύνσεων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$

Πίνακας φασματικών τιμών για περίοδο χωρίς απόσβεση:

$T=0.05, 0.06, 0.07, 0.08, \dots, 4.0, 4.5, 5.0$ (sec) των προηγούμενων
διαγραμμάτων.

Διαγράμματα ψευδοφασμάτων σε τετραλογαριθμικές κλίμακες για $\zeta=0\%$,
 $2\%, 5\%, 10\%, 20\%$.



COMPONENT/IDENTIFIC., 86-1L

KALAMATA

EARTHQUAKE

M L = 5.5

13-9-86

NUMBER OF ACC VALUES=1253

EPICENTER 37.10 N, 22.19 E
ALLUVIUM, OTE

EPICENTER INTENSITY X

ACCELERATION VALUE (CM*(SEC-2)) = VALUE/1000.
TIME VALUE (SEC) = VALUE/1000.

ACCELERATION PEAK VALUE = -225.47 CM*(SEC-2)

AT TIME = 4.215 SEC

| 161 | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 15 | -659 | 28 | 3955 | 40 | 2637 | 45 | 3955 | 53 | 5933 |
| 63 | 1977 | 1318 | 70 | 1318 | 78 | 2637 | 91 | 2637 | 101 | 0 | 113 | -1318 |
| 121 | -1318 | 128 | 128 | -1318 | 138 | 659 | 143 | 4615 | 159 | 4615 | 169 | 1977 |
| 176 | 4615 | 186 | 186 | 6592 | 191 | 3955 | 206 | 1318 | 214 | 1318 | 229 | -5274 |
| 242 | -2637 | 247 | -6592 | 259 | -10548 | 267 | -5933 | 274 | -5933 | 284 | 2637 | 2637 |
| 299 | 11866 | 309 | 5274 | 317 | 1977 | 322 | -659 | 332 | 4615 | 345 | 2637 | 2637 |
| 355 | -5274 | 375 | -11207 | 382 | -15163 | 390 | -15163 | 398 | -4614 | 410 | 6592 | 6592 |
| 423 | 10548 | 433 | 12526 | 448 | 6570 | 458 | 5933 | 468 | 3955 | 486 | -17800 | -17800 |
| 493 | -20437 | 501 | -15163 | 513 | -1977 | 526 | 2637 | 549 | 17800 | 554 | 21756 | 21756 |
| 564 | 17800 | 581 | 2637 | 589 | -4614 | 601 | -9229 | 611 | -27689 | 619 | -30326 | -30326 |
| 627 | -39556 | 629 | -30985 | 634 | -7911 | 644 | 1318 | 654 | 5933 | 659 | 4615 | 4615 |
| 662 | -659 | 669 | -2637 | 677 | 5933 | 682 | 21756 | 689 | 28348 | 694 | 19778 | 19778 |
| 715 | -7911 | 720 | -18459 | 732 | -19778 | 735 | -12526 | 740 | -7251 | 752 | -15822 | -15822 |
| 755 | -4614 | 765 | 0 | 775 | -4614 | 783 | 9889 | 785 | 24393 | 788 | 29008 | 29008 |
| 805 | 12526 | 823 | 3955 | 833 | -1977 | 850 | -14504 | 861 | -24393 | 868 | -25711 | -25711 |
| 876 | -7251 | 881 | -5274 | 888 | -7911 | 896 | -21756 | 901 | -25711 | 911 | -19118 | -19118 |
| 934 | -1977 | 944 | 1977 | 959 | -5274 | 971 | -1318 | 974 | 5933 | 979 | 18459 | 18459 |
| 986 | 22415 | 999 | 11207 | 1012 | -9229 | 1019 | -17800 | 1032 | -17800 | 1034 | -11207 | -11207 |
| 1059 | 23074 | 1064 | 29667 | 1072 | 34282 | 1082 | 26371 | 1090 | 18459 | 1100 | 14504 | 14504 |
| 1117 | -19778 | 1120 | -31645 | 1132 | -34282 | 1145 | -23074 | 1150 | -30326 | 1157 | -17800 | -17800 |
| 1178 | 11866 | 1188 | 2637 | 1198 | 10548 | 1205 | 2637 | 1228 | -29667 | 1230 | -40215 | -40215 |
| 1241 | -31645 | 1263 | 8570 | 1276 | 1977 | 1293 | 17141 | 1306 | 13844 | 1324 | 1318 | 1318 |
| 1334 | 11207 | 1354 | -11866 | 1356 | -6592 | 1364 | -15822 | 1376 | -32304 | 1386 | -29008 | -29008 |
| 1394 | -17141 | 1409 | 25711 | 1417 | 30986 | 1422 | 19119 | 1437 | 659 | 1444 | -3296 | -3296 |
| 1459 | 15822 | 1464 | 3955 | 1475 | -39556 | 1482 | -52082 | 1485 | -56697 | 1512 | 11866 | 11866 |
| 1522 | 23074 | 1530 | 15163 | 1537 | 13185 | 1542 | 22415 | 1558 | 13185 | 1575 | -6592 | -6592 |
| 1593 | 12526 | 1603 | 4615 | 1615 | -13185 | 1628 | 0 | 1646 | -13185 | 1651 | -6592 | -6592 |
| 1671 | -38897 | 1678 | -44830 | 1688 | -54060 | 1698 | -34941 | 1719 | -48786 | 1756 | 17800 | 17800 |
| 1764 | 26371 | 1774 | 15822 | 1794 | -18459 | 1799 | -27689 | 1809 | -12526 | 1829 | 67246 | 67246 |
| 1834 | 77135 | 1844 | 62631 | 1854 | 22415 | 1867 | 13844 | 1880 | 2637 | 1887 | -7911 | -7911 |
| 1907 | -94276 | 1915 | -110758 | 1935 | -70542 | 1955 | -85046 | 1963 | -78453 | 1973 | -85705 | -85705 |
| 1990 | -44171 | 2018 | 45490 | 2031 | 67246 | 2053 | 52082 | 2063 | 46808 | 2073 | 34282 | 34282 |
| 2083 | 27030 | 2096 | 37578 | 2104 | 49445 | 2126 | 130536 | 2139 | 145699 | 2149 | 151633 | 151633 |
| 2159 | 160863 | 2174 | 146359 | 2212 | -102846 | 2219 | -114054 | 2222 | -125921 | 2229 | -131855 | -131855 |
| 2239 | -121965 | 2244 | -108121 | 2252 | -100209 | 2275 | -25052 | 2285 | -9889 | 2287 | -19118 | -19118 |
| 2292 | -29667 | 2335 | -158885 | 2345 | -166137 | 2358 | -171411 | 2363 | -162181 | 2380 | -140425 | -140425 |
| 2383 | -129217 | 2398 | -81750 | 2403 | -66586 | 2408 | -58016 | 2458 | 90980 | 2463 | 100869 | 100869 |
| 2476 | 106802 | 2479 | 112076 | 2484 | 127899 | 2494 | 137788 | 2506 | 125921 | 2546 | 53401 | 53401 |
| 2550 | 42852 | 2562 | 52082 | 2580 | 110000 | 2590 | 133281 | 2600 | 110000 | 2610 | 100700 | 100700 |

| | | | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|
| 2702 | -3296 | 2715 | 2637 | 2728 | -7251 | 2735 | -16481 | 2763 | -84387 | 2770 | -100868 |
| 2783 | -112076 | 2798 | -87683 | 2811 | -94276 | 2836 | -118010 | 2846 | -131195 | 2863 | -153611 |
| 2891 | -117350 | 2899 | -114054 | 2916 | -103506 | 2959 | 42852 | 2967 | 34282 | 2982 | 9889 |
| 2992 | 4615 | 2997 | 15822 | 3009 | 43512 | 3020 | 50764 | 3030 | 42852 | 3045 | 24393 |
| 3055 | 25711 | 3072 | 6592 | 3077 | 3296 | 3082 | 12526 | 3090 | 25052 | 3095 | 28348 |
| 3103 | 21756 | 3118 | -2637 | 3120 | -6592 | 3128 | 1318 | 3140 | 22415 | 3148 | 25052 |
| 3158 | 16481 | 3163 | 21756 | 3176 | 59994 | 3186 | 114054 | 3198 | 123943 | 3213 | 116032 |
| 3226 | 109439 | 3231 | 111417 | 3251 | 83068 | 3256 | 72520 | 3259 | 71860 | 3266 | 85705 |
| 3296 | 147677 | 3306 | 159544 | 3321 | 166137 | 3339 | 194486 | 3352 | 202397 | 3364 | 191189 |
| 3369 | 178663 | 3377 | 152292 | 3384 | 145040 | 3389 | 133173 | 3397 | 143721 | 3402 | 154929 |
| 3415 | 147677 | 3440 | 65927 | 3460 | 4615 | 3462 | -6592 | 3472 | -118666 | 3482 | 6592 |
| 3505 | 56038 | 3513 | 62631 | 3528 | 50104 | 3530 | 38897 | 3591 | -174048 | 3593 | -180641 |
| 3603 | -192508 | 3613 | -191849 | 3628 | -168774 | 3633 | -161522 | 3651 | -166796 | 3659 | -154270 |
| 3661 | -140425 | 3674 | -119328 | 3681 | -80431 | 3694 | -40215 | 3706 | 12526 | 3709 | 21756 |
| 3714 | 15163 | 3722 | -7251 | 3732 | -65268 | 3739 | -73838 | 3754 | -80431 | 3774 | -76475 |
| 3782 | -61312 | 3802 | -26370 | 3815 | -5933 | 3827 | 6592 | 3832 | 9889 | 3857 | 2637 |
| 3867 | -5274 | 3888 | -29667 | 3905 | -59334 | 3915 | -66586 | 3923 | -61971 | 3945 | -79772 |
| 3963 | -92298 | 3983 | -97572 | 4008 | -99550 | 4029 | -92298 | 4046 | -86364 | 4066 | -85705 |
| 4079 | -91639 | 4091 | -105483 | 4107 | -119988 | 4152 | -172070 | 4177 | -199760 | 4195 | -210967 |
| 4205 | -216901 | 4215 | -225471 | 4227 | -187893 | 4273 | 74498 | 4285 | 101528 | 4295 | 110098 |
| 4303 | 125921 | 4313 | 141744 | 4318 | 148996 | 4328 | 152951 | 4341 | 148336 | 4353 | 133173 |
| 4356 | 108121 | 4373 | 29008 | 4378 | 19778 | 4386 | 11207 | 4398 | 35600 | 4416 | 31645 |
| 4439 | 71860 | 4449 | 59334 | 4454 | 30326 | 4476 | -80431 | 4484 | -106802 | 4492 | -128558 |
| 4507 | -150314 | 4514 | -139106 | 4544 | 36919 | 4554 | 59994 | 4567 | 81090 | 4592 | 94935 |
| 4612 | 114713 | 4627 | 129217 | 4645 | 123943 | 4665 | 96254 | 4680 | 88342 | 4695 | 93617 |
| 4710 | 106802 | 4718 | 109439 | 4728 | 104824 | 4733 | 92298 | 4743 | 71860 | 4753 | 36919 |
| 4758 | 15822 | 4763 | 1977 | 4768 | -3296 | 4781 | -13844 | 4796 | -3296 | 4824 | 42852 |
| 4836 | 44171 | 4849 | 35600 | 4856 | 26371 | 4912 | -112076 | 4917 | -126580 | 4922 | -130536 |
| 4929 | -137129 | 4944 | -147016 | 4952 | -139766 | 5000 | 23074 | 5005 | 35600 | 5012 | 48127 |
| 5025 | 55379 | 5027 | 58016 | 5038 | 48127 | 5040 | 31645 | 5065 | -91639 | 5075 | -104824 |
| 5083 | -108121 | 5093 | -103506 | 5098 | -90320 | 5113 | -75157 | 5133 | -39556 | 5146 | -28348 |
| 5163 | -36919 | 5176 | -48127 | 5186 | -54719 | 5201 | -58675 | 5214 | -63290 | 5219 | -54719 |
| 5226 | -38897 | 5259 | 40215 | 5267 | 55379 | 5279 | 69883 | 5289 | 77794 | 5294 | 82409 |
| 5309 | 75157 | 5317 | 63290 | 5322 | 51423 | 5339 | -1977 | 5342 | -21756 | 5355 | -30326 |
| 5362 | -34941 | 5367 | -25711 | 5372 | -6592 | 5382 | 32304 | 5392 | 52082 | 5405 | 63949 |
| 5415 | 59994 | 5420 | 50764 | 5435 | 17800 | 5458 | -5933 | 5475 | -17141 | 5488 | -23074 |
| 5508 | -24393 | 5521 | -17141 | 5546 | -4614 | 5594 | 40875 | 5606 | 47467 | 5636 | 40875 |
| 5649 | 45490 | 5667 | 54060 | 5674 | 56697 | 5697 | 52082 | 5707 | 44830 | 5729 | 36260 |
| 5745 | 34941 | 5757 | 42193 | 5782 | 59994 | 5792 | 65927 | 5808 | 63949 | 5830 | 48786 |
| 5850 | 20437 | 5870 | 9229 | 5880 | 11207 | 5898 | 7252 | 5926 | -3955 | 5946 | -20437 |
| 5974 | -48127 | 5994 | -65268 | 6001 | -71860 | 6009 | -65927 | 6026 | -73179 | 6057 | -90979 |
| 6069 | -92298 | 6092 | -78453 | 6112 | -83727 | 6140 | -88342 | 6155 | -81090 | 6157 | -73838 |
| 6177 | -26370 | 6190 | -11207 | 6198 | -5933 | 6210 | -8570 | 6223 | -17800 | 6255 | -53401 |
| 6268 | -56038 | 6283 | -58016 | 6293 | -60653 | 6311 | -65927 | 6328 | -63949 | 6356 | -72520 |
| 6371 | -78453 | 6391 | -87683 | 6409 | -80431 | 6429 | -71201 | 6442 | -53401 | 6472 | -5933 |
| 6510 | 5274 | 6525 | 1318 | 6547 | 6592 | 6567 | 15163 | 6608 | 52742 | 6618 | 53401 |
| 6640 | 42852 | 6666 | 34941 | 6676 | 30986 | 6683 | 21756 | 6698 | 12526 | 6716 | 9229 |
| 6726 | 17141 | 6741 | 21756 | 6774 | 26371 | 6804 | 30326 | 6824 | 34941 | 6842 | 30326 |
| 6854 | 26371 | 6857 | 21756 | 6879 | 20437 | 6902 | 12526 | 6912 | 5274 | 6925 | -8570 |
| 6947 | -5274 | 6980 | 37578 | 6993 | 41534 | 7008 | 48786 | 7028 | 42852 | 7046 | 30986 |

| | | | | | | | | | | | | |
|-----|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 163 | 7088 | -11866 | 7101 | -21756 | 7118 | -13185 | 7139 | 11207 | 7166 | 1977 | 7181 | -13185 |
| | 7217 | -44830 | 7234 | -56038 | 7264 | -68564 | 7295 | -84367 | 7310 | -92298 | 7327 | -90979 |
| | 7340 | -80431 | 7368 | -56697 | 7405 | -50104 | 7418 | -44171 | 7476 | -14504 | 7529 | -5933 |
| | 7549 | 1318 | 7604 | 36919 | 7639 | 45490 | 7662 | 50104 | 7682 | 34941 | 7702 | 14504 |
| | 7717 | 3955 | 7732 | -3955 | 7758 | 4615 | 7773 | -3296 | 7813 | -21096 | 7833 | -22415 |
| | 7848 | -32304 | 7868 | -40215 | 7888 | -46808 | 7904 | -38897 | 7919 | -27689 | 7931 | -20437 |
| | 7954 | -29667 | 7969 | -32963 | 7999 | -30985 | 8032 | -36260 | 8042 | -29667 | 8070 | -9889 |
| | 8092 | -659 | 8120 | -3955 | 8140 | -14504 | 8160 | -37578 | 8183 | -43512 | 8198 | -38237 |
| | 8226 | -19778 | 8243 | -15163 | 8271 | -18459 | 8289 | -29008 | 8304 | -36919 | 8319 | -39556 |
| | 8341 | -25052 | 8367 | -12526 | 8399 | -1977 | 8419 | 3955 | 8452 | -2637 | 8460 | -7251 |
| | 8472 | -13185 | 8480 | -15163 | 8495 | -7911 | 8510 | -6592 | 8523 | -7911 | 8535 | -3296 |
| | 8543 | -1318 | 8553 | 1977 | 8565 | 5933 | 8578 | 4615 | 8596 | 3296 | 8616 | -2637 |
| | 8636 | -5274 | 8653 | -6592 | 8666 | -3296 | 8686 | 1318 | 8721 | 1318 | 8741 | -5933 |
| | 8757 | -10548 | 8777 | -6592 | 8782 | 659 | 8804 | 1977 | 8824 | -1977 | 8845 | -14504 |
| | 8850 | -19118 | 8867 | -12526 | 8890 | 659 | 8910 | 7252 | 8928 | 9229 | 8948 | 1977 |
| | 8963 | 659 | 8983 | 4615 | 9013 | 7911 | 9036 | 7252 | 9053 | -2637 | 9066 | -4614 |
| | 9086 | -2637 | 9104 | -6592 | 9119 | -11207 | 9126 | -13844 | 9147 | -12526 | 9162 | -19118 |
| | 9179 | -23074 | 9209 | -25052 | 9235 | -27030 | 9255 | -34282 | 9260 | -38237 | 9277 | -40874 |
| | 9287 | -38897 | 9308 | -32963 | 9323 | -26370 | 9345 | -21096 | 9368 | -21096 | 9391 | -29008 |
| | 9411 | -29008 | 9428 | -23733 | 9456 | -15822 | 9489 | -5933 | 9499 | -3955 | 9519 | 659 |
| | 9539 | 4615 | 9562 | -1318 | 9572 | -8570 | 9589 | -5933 | 9620 | -13844 | 9642 | -15163 |
| | 9667 | -18459 | 9688 | -23074 | 9698 | -29008 | 9728 | -26370 | 9748 | -31645 | 9761 | -25052 |
| | 9791 | -10548 | 9816 | 0 | 9831 | 4615 | 9861 | -5933 | 9886 | -9889 | 9906 | -13185 |
| | 9922 | -5933 | 9939 | 3955 | 9957 | 6592 | 9969 | -3296 | 9997 | -25711 | 10012 | -34282 |
| | 10027 | -25052 | 10047 | -8570 | 10068 | -1318 | 10080 | -4614 | 10115 | -23074 | 10125 | -32304 |
| | 10158 | -40215 | 10181 | -47467 | 10196 | -42852 | 10208 | -30326 | 10224 | -24393 | 10239 | -17800 |
| | 10264 | -23733 | 10289 | -32963 | 10309 | -37578 | 10322 | -28348 | 10342 | -15163 | 10357 | -9889 |
| | 10374 | -7911 | 10395 | -8570 | 10412 | -3296 | 10437 | 7252 | 10468 | 0 | 10488 | 659 |
| | 10503 | -6592 | 10520 | -8570 | 10541 | -18459 | 10556 | -20437 | 10563 | -17141 | 10581 | -6592 |
| | 10586 | -3296 | 10593 | -1977 | 10614 | -4614 | 10639 | -16481 | 10649 | -20437 | 10669 | -23074 |
| | 10679 | -20437 | 10699 | -11866 | 10709 | -6592 | 10737 | -12526 | 10759 | -16481 | 10780 | -23074 |
| | 10797 | -27689 | 10817 | -22415 | 10840 | -27030 | 10848 | -31645 | 10855 | -32304 | 10880 | -37578 |
| | 10908 | -33622 | 10918 | -31645 | 10946 | -33622 | 11014 | -41534 | 11031 | -44830 | 11044 | -34941 |
| | 11059 | -29667 | 11084 | -26348 | 11102 | -23733 | 11129 | -3955 | 11155 | -4614 | 11182 | -3296 |
| | 11202 | 0 | 11230 | -2637 | 11253 | -5933 | 11260 | -1977 | 11278 | 3296 | 11288 | 5933 |
| | 11295 | 11866 | 11300 | 13185 | 11321 | 12526 | 11338 | 11207 | 11358 | 13165 | 11368 | 19778 |
| | 11384 | 24393 | 11404 | 18459 | 11416 | 11866 | 11449 | -2637 | 11462 | -2637 | 11494 | -2637 |
| | 11522 | -5274 | 11552 | -19778 | 11577 | -37578 | 11602 | -44830 | 11618 | -45489 | 11635 | -40874 |
| | 11645 | -30985 | 11663 | -31645 | 11688 | -38237 | 11751 | -40215 | 11799 | -34282 | 11839 | -25052 |
| | 11869 | -16481 | 11894 | -6592 | 11914 | -659 | 11940 | -4614 | 11987 | -13844 | 12025 | -21756 |
| | 12040 | -29008 | 12078 | -28348 | 12138 | -33622 | 12164 | -32304 | 12191 | -36919 | 12206 | -36919 |
| | 12214 | -30326 | 12239 | -20437 | 12269 | -13844 | 12309 | -16481 | 12335 | -20437 | 12357 | -19118 |
| | 12382 | -12526 | 12418 | -14504 | 12443 | -19778 | 12483 | -21756 | 12518 | -25711 | 12546 | -29667 |
| | 12576 | -30985 | 12606 | -26370 | 12634 | -14504 | 12664 | -15163 | 12700 | -7251 | 12727 | -659 |
| | 12772 | -7251 | 12790 | -18459 | 12810 | -28348 | 12825 | -22415 | 12843 | -15163 | 12871 | -15822 |
| | 12898 | -19118 | 12926 | -19778 | 12951 | -11866 | 12986 | -10548 | 13012 | -13844 | 13032 | -11866 |
| | 13049 | -6592 | 13072 | -1318 | 13100 | -5274 | 13107 | -9889 | 13127 | -12526 | 13145 | -11866 |
| | 13152 | -5933 | 13165 | -1318 | 13178 | 1318 | 13213 | -4614 | 13241 | -17800 | 13276 | -10548 |
| | 13296 | -3296 | 13308 | 659 | 13326 | 3296 | 13351 | 1318 | 13376 | -4614 | 13412 | -10548 |
| | 13417 | -13844 | 13457 | -10548 | 13475 | -19778 | 13500 | -26370 | 13507 | -30326 | 13512 | -32304 |

| | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 13537 | -30326 | 13568 | -19778 | 13585 | -23074 | 13605 | -28348 | 13623 | -34282 | 13638 | -27689 |
| 13671 | -27030 | 13711 | -25711 | 13749 | -27689 | 13771 | -37578 | 13809 | -37578 | 13834 | -36919 |
| 13860 | -36919 | 13882 | -36919 | 13920 | -33622 | 13935 | -25711 | 13955 | -16481 | 13988 | -17800 |
| 14013 | -21096 | 14033 | -15163 | 14053 | -9889 | 14081 | -17800 | 14104 | -23074 | 14136 | -24393 |
| 14174 | -28348 | 14189 | -30985 | 14217 | -32304 | 14237 | -30985 | 14270 | -32304 | 14300 | -30985 |
| 14340 | -30985 | 14378 | -31645 | 14395 | -31645 | 14413 | -20437 | 14423 | -14504 | 14448 | -15822 |
| 14466 | -10548 | 14491 | -10548 | 14509 | -11207 | 14670 | -10548 | 14743 | -14504 | 14773 | -7911 |
| 14851 | -9229 | 14876 | -19118 | 14921 | -21756 | 14989 | -20437 | 15025 | -23074 | 15057 | -29008 |
| 15090 | -30985 | 15120 | -29667 | 15150 | -18459 | 15181 | -19118 | 15208 | -17800 | 15231 | -13185 |
| 15264 | -8570 | 15296 | -14504 | 15319 | -23733 | 15337 | -32304 | 15362 | -32963 | 15397 | -29667 |
| 15437 | -30985 | 15465 | -28348 | 15490 | -19118 | 15500 | -21096 | 15525 | -28348 | 15543 | -31645 |
| 15581 | -32304 | 15616 | -29667 | 15636 | -22415 | 15661 | -23733 | 15694 | -21756 | 15724 | -28348 |
| 15737 | -32304 | 15752 | -34941 | 15767 | -30326 | 15792 | -26370 | 15820 | -30326 | 15850 | -27030 |
| 15905 | -20437 | 15988 | -19778 | 16016 | -23074 | 16039 | -26370 | 16091 | -20437 | 16139 | -17800 |
| 16212 | -23733 | 16230 | -19118 | 16298 | -22415 | 16320 | -25711 | 16338 | -32304 | 16368 | -24393 |
| 16401 | -23733 | 16426 | -15822 | 16444 | -12526 | 16471 | -11866 | 16494 | -18459 | 16517 | -28348 |
| 16534 | -32304 | 16559 | -32304 | 16577 | -31645 | 16607 | -35600 | 16632 | -32304 | 16658 | -27689 |
| 16693 | -31645 | 16720 | -30326 | 16736 | -23074 | 16753 | -19778 | 16791 | -19778 | 16819 | -21096 |
| 16846 | -13185 | 16861 | -8570 | 16882 | -14504 | 16907 | -22415 | 16934 | -23733 | 16954 | -14504 |
| 16985 | -8570 | 17005 | -13844 | 17022 | -18459 | 17065 | -17800 | 17093 | -18459 | 17131 | -23733 |
| 17168 | -21096 | 17204 | -32304 | 17259 | -30326 | 17289 | -23733 | 17304 | -15822 | 17345 | -18459 |
| 17362 | -22415 | 17410 | -11207 | 17453 | -13185 | 17473 | -15822 | 17488 | -27030 | 17526 | -37578 |
| 17571 | -40215 | 17609 | -40874 | 17624 | -36260 | 17659 | -23733 | 17717 | -23733 | 17737 | -29667 |
| 17760 | -32963 | 17787 | -25711 | 17815 | -23733 | 17835 | -23733 | 17860 | -29667 | 17886 | -35600 |
| 17911 | -27689 | 17926 | -23733 | 17943 | -22415 | 17976 | -19778 | 18006 | -26370 | 18029 | -27689 |
| 18077 | -27689 | 18092 | -27689 | 18104 | -23074 | 18130 | -15822 | 18155 | -13844 | 18175 | -17800 |
| 18192 | -23733 | 18215 | -26370 | 18240 | -23074 | 18260 | -19118 | 18286 | -15822 | 18301 | -12526 |
| 18333 | -11866 | 18354 | -9889 | 18379 | -5933 | 18409 | -4614 | 18421 | -9229 | 18444 | -21096 |
| 18454 | -29008 | 18492 | -39556 | 18520 | -29667 | 18547 | -29008 | 18562 | -34941 | 18580 | -38897 |
| 18605 | -29008 | 18635 | -29667 | 18688 | -31645 | 18731 | -36237 | 18736 | -42193 | 18754 | -45489 |
| 18774 | -40215 | 18784 | -37578 | 18804 | -30985 | 18832 | -27689 | 18864 | -28348 | 18902 | -33622 |
| 18917 | -36919 | 18952 | -40874 | 18983 | -43512 | 18995 | -44171 | 19003 | -42193 | 19045 | -28348 |
| 19068 | -21756 | 19103 | -16481 | 19124 | -13185 | 19191 | -7911 | 19219 | -7251 | 19244 | -9889 |
| 19262 | -12526 | 19267 | -13185 | 19305 | -24393 | 19325 | -24393 | 19332 | -23074 | 19360 | -18459 |
| 19395 | -17800 | 19448 | -21096 | 19476 | -21756 | 19516 | -18459 | 19534 | -21756 | 19569 | -24393 |
| 19592 | -29667 | 19597 | -25711 | 19612 | -21756 | 19637 | -15822 | 19657 | -13844 | 19675 | -20437 |
| 19702 | -27030 | 19722 | -25711 | 19735 | -17141 | 19775 | -19778 | 19800 | -32304 | 19803 | -32304 |
| 19828 | -32963 | 19871 | -27030 | 19899 | -23733 | 19916 | -26370 | 19936 | -25711 | 19954 | -22415 |
| 20009 | -25711 | 20057 | -27689 | 20082 | -28348 | 20102 | -37578 | 20107 | -41534 | 20122 | -44830 |
| 20153 | -43512 | 20185 | -41534 | 20195 | -40215 | 20236 | -36260 | 20261 | -33622 | 20276 | -34282 |
| 20306 | -36919 | 20321 | -41534 | 20329 | -40874 | 20349 | -37578 | 20382 | -34941 | 20384 | -34282 |
| 20394 | -33622 | 20412 | -29008 | 20445 | -25052 | 20472 | -16481 | 20490 | -15822 | 20512 | -17800 |
| 20538 | -17141 | 20558 | -13844 | 20568 | -13844 | 20606 | -12526 | 20618 | -14504 | 20636 | -18459 |
| 20653 | -19778 | 20666 | -21756 | 20689 | -21756 | 20709 | -21756 | 20744 | -19778 | 20746 | -19778 |
| 20789 | -23074 | 20802 | -25052 | 20812 | -25052 | 20850 | -29008 | 20857 | -24393 | 20895 | -19778 |
| 20905 | -22415 | 20923 | -27689 | 20948 | -29008 | 20963 | -26370 | 21006 | -21096 | 21016 | -23733 |
| 21023 | -29008 | 21033 | -35600 | 21043 | -38237 | 21066 | -48786 | 21079 | -48786 | 21094 | -44830 |
| 21129 | -34941 | 21149 | -28348 | 21159 | -30985 | 21179 | -32963 | 21209 | -27689 | 21222 | -27689 |
| 21245 | -29008 | 21275 | -25052 | 21318 | -36919 | 21353 | -31645 | 21363 | -34282 | 21386 | -39556 |
| 21426 | -32304 | 21446 | -32304 | 21469 | -34941 | 21511 | -28348 | 21539 | -24393 | 21569 | -19118 |

| | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 21625 | -19778 | 21718 | -23074 | 21778 | -22415 | 21813 | -24393 | 21831 | -27030 | 21869 | -26348 |
| 21871 | -27689 | 21912 | -27030 | 21942 | -37578 | 21997 | -38237 | 22020 | -41534 | 22050 | -32963 |
| 22055 | -31645 | 22073 | -28348 | 22125 | -28348 | 22148 | -25711 | 22181 | -29008 | 22221 | -32304 |
| 22261 | -37578 | 22309 | -37578 | 22359 | -36260 | 22390 | -32304 | 22410 | -32304 | 22440 | -29667 |
| 22478 | -27030 | 22523 | -30326 | 22541 | -27689 | 22571 | -26370 | 22598 | -26370 | 22616 | -24393 |
| 22631 | -21096 | 22681 | -23733 | 22707 | -26370 | 22747 | -23074 | 22780 | -19118 | 22782 | -17800 |
| 22848 | -17141 | 22880 | -23733 | 22915 | -32304 | 22973 | -38237 | 23016 | -39556 | 23044 | -37578 |
| 23099 | -32963 | 23142 | -34282 | 23200 | -38237 | 23245 | -34282 | 23273 | -35600 | 23306 | -34941 |
| 23323 | -30326 | 23363 | -24393 | 23434 | -30985 | 23449 | -35600 | 23512 | -34282 | 23562 | -40215 |
| 23582 | -34282 | 23602 | -29667 | 23618 | -27689 | 23640 | -27030 | 23698 | -32304 | 23774 | -34282 |
| 23824 | -25711 | 23857 | -30985 | 23899 | -32304 | 23912 | -32963 | 23950 | -29008 | 23980 | -27030 |
| 24030 | -26370 | 24126 | -25711 | 24156 | -27030 | 24209 | -27689 | 24315 | -29667 | 24342 | -32304 |
| 24360 | -36260 | 24393 | -44171 | 24418 | -44830 | 24481 | -38237 | 24521 | -36260 | 24579 | -34941 |
| 24606 | -36260 | 24684 | -36919 | 24705 | -40215 | 24742 | -40215 | 24770 | -36260 | 24793 | -30326 |
| 24823 | -38237 | 24856 | -34282 | 24871 | -33622 | 24903 | -32304 | 24961 | -32304 | 24991 | -31645 |
| 25037 | -32963 | 25074 | -27030 | 25087 | -25052 | 25115 | -25052 | 25200 | -32304 | 25238 | -30985 |
| 25293 | -34941 | 25341 | -29008 | 25371 | -25052 | 25389 | -26370 | 25394 | -24393 | 25439 | -30985 |
| 25578 | -37578 | 25618 | -36919 | 25686 | -34941 | 25759 | -34282 | 25824 | -36260 | 25854 | -34941 |
| 25890 | -33622 | 25925 | -29008 | 25980 | -26370 | 26021 | -30985 | 26043 | -31645 | | |

13-9-86
NUMBER OF ACC VALUES=2604

M L = 5.5

EARTHQUAKE

KALAMATA

COMPONENT/IDENTIFIC., 86-1L

EPICENTER INTENSITY X

EPICENTER 37.10 N. 22.19 E
ALLUVIUM, OTE

ACCELERATION VALUE (CM*(SEC-2)) = VALUE/1000.
TIME VALUE (SEC) = VALUE/100.

DISPLACEMENT = 0.94 CM
4.03 SEC

VELOCITY = 34.35 CM*(SEC-1)
3.53 SEC

ACCEL = -215.61 CM*(SEC-2)
4.20 SEC

| 3 | TIME | COR ACC | TIME | COR ACC | TIME | COR ACC | TIME | COR ACC | TIME | COR ACC | TIME | COR ACC |
|---|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|
| | 0 | 220 | 1 | 2369 | 2 | 3942 | 3 | 4960 | 4 | 4833 | 5 | 3818 |
| | 6 | 3059 | 7 | 3189 | 8 | 3158 | 9 | 1628 | 10 | -561 | 11 | -895 |
| | 12 | 1397 | 13 | 4065 | 14 | 4894 | 15 | 4528 | 16 | 4858 | 17 | 5859 |
| | 18 | 5758 | 19 | 3789 | 20 | 1197 | 21 | -651 | 22 | -2030 | 23 | -4101 |
| | 24 | -6534 | 25 | -6608 | 26 | -2072 | 27 | 5041 | 28 | 9416 | 29 | 8385 |
| | 30 | 5046 | 31 | 3731 | 32 | 4382 | 33 | 3658 | 34 | -137 | 35 | -5668 |
| | 36 | -10554 | 37 | -12341 | 38 | -8947 | 39 | -837 | 40 | 7752 | 41 | 12109 |
| | 42 | 11759 | 43 | 10278 | 44 | 9890 | 45 | 7752 | 46 | -200 | 47 | -11517 |
| | 48 | -17045 | 49 | -11737 | 50 | -2072 | 51 | 3181 | 52 | 5998 | 53 | 13477 |
| | 54 | 22022 | 55 | 20632 | 56 | 10039 | 57 | 2547 | 58 | 47 | 59 | -9382 |
| | 60 | -26321 | 61 | -31733 | 62 | -15967 | 63 | 2702 | 64 | 4710 | 65 | -1511 |
| | 66 | 4184 | 67 | 20047 | 68 | 25577 | 69 | 12332 | 70 | -6314 | 71 | -14847 |
| | 72 | -12050 | 73 | -6918 | 74 | -5809 | 75 | -5560 | 76 | 1520 | 77 | 15098 |
| | 78 | 23582 | 79 | 19028 | 80 | 9225 | 81 | 5275 | 82 | 3791 | 83 | -5110 |
| | 84 | -17530 | 85 | -19842 | 86 | -11276 | 87 | -6273 | 88 | -12673 | 89 | -20981 |
| | 90 | -19040 | 91 | -7877 | 92 | 1369 | 93 | 1372 | 94 | -3493 | 95 | -2468 |
| | 96 | 8373 | 97 | 19842 | 98 | 19786 | 99 | 7347 | 100 | -7300 | 101 | -14537 |
| | 102 | -11188 | 103 | 1141 | 104 | 16663 | 105 | 27431 | 106 | 30382 | 107 | 28651 |
| | 108 | 23096 | 109 | 10085 | 110 | -8719 | 111 | -23751 | 112 | -28951 | 113 | -26829 |
| | 114 | -20019 | 115 | -8598 | 116 | 3134 | 117 | 8873 | 118 | 9196 | 119 | 6898 |
| | 120 | -2444 | 121 | -20486 | 122 | -32961 | 123 | -25254 | 124 | -5994 | 125 | 4677 |
| | 126 | 5057 | 127 | 8730 | 128 | 16965 | 129 | 18036 | 130 | 11110 | 131 | 7500 |
| | 132 | 9066 | 133 | 6314 | 134 | -3236 | 135 | -13415 | 136 | -22068 | 137 | -27090 |
| | 138 | -17644 | 139 | 8808 | 140 | 29573 | 141 | 22778 | 142 | 3111 | 143 | 1890 |
| | 144 | 15746 | 145 | 9803 | 146 | -24340 | 147 | -49741 | 148 | -36927 | 149 | -4445 |
| | 150 | 13498 | 151 | 14329 | 152 | 17007 | 153 | 23679 | 154 | 20484 | 155 | 7650 |
| | 156 | 1434 | 157 | 7075 | 158 | 11665 | 159 | 6241 | 160 | -2220 | 161 | -4541 |
| | 162 | -2057 | 163 | -1935 | 164 | -8747 | 165 | -22157 | 166 | -36309 | 167 | -42807 |
| | 168 | -40334 | 169 | -37484 | 170 | -39626 | 171 | -38893 | 172 | -25598 | 173 | -3690 |
| | 174 | 14367 | 175 | 22243 | 176 | 19890 | 177 | 6606 | 178 | -12755 | 179 | -19734 |
| | 180 | 2682 | 181 | 44566 | 182 | 72329 | 183 | 64563 | 184 | 36185 | 185 | 18076 |
| | 186 | 17292 | 187 | 9672 | 188 | -24729 | 189 | -70831 | 190 | -95289 | 191 | -88272 |
| | 192 | -72594 | 193 | -70698 | 194 | -79303 | 195 | -82708 | 196 | -75368 | 197 | -60428 |
| | 198 | -37613 | 199 | -5745 | 200 | 28247 | 201 | 53035 | 202 | 63509 | 203 | 62749 |
| | 204 | 56597 | 205 | 49325 | 206 | 42067 | 207 | 35367 | 208 | 35229 | 209 | 51445 |
| | 209 | 83956 | 210 | 117251 | 211 | 137150 | 212 | 147097 | 213 | 157309 | 214 | 163355 |
| | 216 | 147978 | 217 | 102329 | 218 | 36058 | 219 | -31676 | 220 | -83845 | 221 | -111957 |
| | 222 | -118544 | 223 | -111564 | 224 | -93799 | 225 | -64102 | 226 | -31271 | 227 | -15072 |
| | 228 | -26146 | 229 | -54372 | 230 | -84361 | 231 | -112232 | 232 | -138949 | 233 | -158332 |
| | 234 | -163566 | 235 | -157810 | 236 | -147064 | 237 | -129136 | 238 | -100706 | 239 | -68739 |

| | | | | | | | | | | | |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 240 | -42505 | 241 | -18859 | 242 | 11647 | 243 | 46928 | 244 | 75006 | 245 | 92600 |
| 246 | 108409 | 247 | 126101 | 248 | 136913 | 249 | 133464 | 250 | 119961 | 251 | 103599 |
| 252 | 85575 | 253 | 66900 | 254 | 55267 | 255 | 58826 | 256 | 76812 | 257 | 100120 |
| 258 | 117740 | 259 | 121962 | 260 | 112805 | 261 | 97878 | 262 | 82547 | 263 | 62017 |
| 264 | 30735 | 265 | -2943 | 266 | -22070 | 267 | -20841 | 268 | -9436 | 269 | 305 |
| 270 | 4360 | 271 | 1969 | 272 | -8323 | 273 | -26439 | 274 | -50244 | 275 | -75951 |
| 276 | -95469 | 277 | -99788 | 278 | -91256 | 279 | -84917 | 280 | -90388 | 281 | -101069 |
| 282 | -108973 | 283 | -118420 | 284 | -133532 | 285 | -143827 | 286 | -137724 | 287 | -122116 |
| 288 | -112745 | 289 | -110533 | 290 | -102164 | 291 | -80034 | 292 | -47986 | 293 | -11741 |
| 294 | 21610 | 295 | 38418 | 296 | 30508 | 297 | 13090 | 298 | 13007 | 299 | 34547 |
| 300 | 53427 | 301 | 51594 | 302 | 40081 | 303 | 35639 | 304 | 33437 | 305 | 22407 |
| 306 | 12312 | 307 | 19206 | 308 | 32796 | 309 | 28216 | 310 | 8128 | 311 | 1632 |
| 312 | 17277 | 313 | 29635 | 314 | 24217 | 315 | 24665 | 316 | 55041 | 317 | 99452 |
| 318 | 124004 | 319 | 122927 | 320 | 117669 | 321 | 119217 | 322 | 116408 | 323 | 101262 |
| 324 | 85550 | 325 | 85726 | 326 | 103028 | 327 | 125438 | 328 | 143190 | 329 | 155610 |
| 330 | 165599 | 331 | 175008 | 332 | 186190 | 333 | 199947 | 334 | 208352 | 335 | 198820 |
| 336 | 172789 | 337 | 151213 | 338 | 150295 | 339 | 159185 | 340 | 154570 | 341 | 130459 |
| 342 | 98974 | 343 | 68138 | 344 | 36892 | 345 | 10005 | 346 | 132 | 347 | 11764 |
| 348 | 34646 | 349 | 54947 | 350 | 64475 | 351 | 59382 | 352 | 38856 | 353 | 7123 |
| 354 | -28402 | 355 | -62937 | 356 | -96959 | 357 | -132318 | 358 | -164994 | 359 | -183656 |
| 360 | -181285 | 361 | -167682 | 362 | -160406 | 363 | -161605 | 364 | -156566 | 365 | -137581 |
| 366 | -111931 | 367 | -81986 | 368 | -40782 | 369 | 2147 | 370 | 16146 | 371 | -11047 |
| 372 | -50604 | 373 | -69131 | 374 | -68428 | 375 | -68346 | 376 | -69614 | 377 | -58964 |
| 378 | -37526 | 379 | -18904 | 380 | -6770 | 381 | 4743 | 382 | 14314 | 383 | 15212 |
| 384 | 9358 | 385 | 4191 | 386 | -1138 | 387 | -13407 | 388 | -31521 | 389 | -46285 |
| 390 | -53147 | 391 | -56509 | 392 | -61680 | 393 | -69167 | 394 | -76932 | 395 | -83310 |
| 396 | -87307 | 397 | -89197 | 398 | -90627 | 399 | -92063 | 400 | -91474 | 401 | -87762 |
| 402 | -83486 | 403 | -81255 | 404 | -80015 | 405 | -78684 | 406 | -80404 | 407 | -88078 |
| 408 | -98609 | 409 | -107633 | 410 | -116742 | 411 | -129133 | 412 | -142054 | 413 | -151841 |
| 414 | -161806 | 415 | -175448 | 416 | -187455 | 417 | -192941 | 418 | -198622 | 419 | -210250 |
| 419 | -215614 | 421 | -196746 | 421 | -153810 | 423 | -100575 | 423 | -43453 | 425 | 16094 |
| 426 | 66534 | 427 | 95721 | 428 | 110756 | 429 | 127590 | 430 | 146356 | 431 | 156625 |
| 432 | 158288 | 433 | 154573 | 434 | 134629 | 435 | 90601 | 436 | 44415 | 437 | 27322 |
| 438 | 36630 | 439 | 43159 | 440 | 39385 | 441 | 46402 | 442 | 68887 | 443 | 77220 |
| 444 | 48126 | 445 | -3383 | 446 | -49016 | 447 | -83083 | 448 | -114350 | 449 | -136628 |
| 450 | -129704 | 451 | -87162 | 452 | -27731 | 453 | 23540 | 454 | 56366 | 455 | 75375 |
| 456 | 87519 | 457 | 95859 | 458 | 102613 | 459 | 110990 | 460 | 121744 | 461 | 131308 |
| 462 | 135249 | 463 | 131839 | 464 | 122235 | 465 | 110026 | 466 | 100687 | 467 | 98217 |
| 467 | 101842 | 469 | 108021 | 469 | 113876 | 471 | 105379 | 471 | 105383 | 473 | 80978 |
| 473 | 48461 | 475 | 20446 | 476 | 3931 | 477 | -1366 | 478 | 2944 | 479 | 15348 |
| 480 | 31308 | 481 | 44477 | 482 | 50930 | 483 | 49316 | 484 | 38939 | 485 | 20842 |
| 486 | -1650 | 487 | -26025 | 488 | -51861 | 489 | -77728 | 490 | -100460 | 491 | -118452 |
| 492 | -131261 | 492 | -135330 | 494 | -125204 | 494 | -100279 | 496 | -66460 | 496 | -30823 |
| 498 | 2120 | 498 | 29942 | 500 | 51292 | 501 | 63522 | 502 | 59335 | 503 | 31164 |
| 504 | -16269 | 505 | -62860 | 506 | -89383 | 507 | -94091 | 508 | -88341 | 509 | -80077 |
| 510 | -68382 | 511 | -51847 | 512 | -34921 | 513 | -24523 | 514 | -23611 | 515 | -29212 |
| 516 | -35999 | 517 | -41473 | 518 | -46755 | 519 | -51591 | 520 | -50984 | 521 | -39634 |
| 522 | -18339 | 523 | 6817 | 524 | 30526 | 525 | 50944 | 526 | 67640 | 527 | 79891 |
| 528 | 86865 | 529 | 87453 | 530 | 79501 | 531 | 60546 | 532 | 31242 | 533 | -567 |
| 534 | -20829 | 535 | -18527 | 536 | 4360 | 537 | 34286 | 538 | 57726 | 539 | 68768 |

| | | | | | | | | | | | | |
|----|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 15 | 540 | 66951 | 541 | 54288 | 542 | 36347 | 543 | 20633 | 544 | 10414 | 545 | 3021 |
| | 546 | -4376 | 547 | -10788 | 548 | -14109 | 549 | -14202 | 550 | -11987 | 551 | -8094 |
| | 552 | -3133 | 553 | 2602 | 554 | 9722 | 555 | 18651 | 556 | 28575 | 557 | 38354 |
| | 558 | 47157 | 559 | 53364 | 560 | 55031 | 561 | 52850 | 562 | 50773 | 563 | 52170 |
| | 564 | 56620 | 565 | 61343 | 566 | 64211 | 567 | 64468 | 568 | 62120 | 569 | 57870 |
| | 570 | 52992 | 571 | 48681 | 572 | 45871 | 573 | 45543 | 574 | 48458 | 575 | 54413 |
| | 576 | 61980 | 577 | 68921 | 578 | 73104 | 579 | 73576 | 580 | 70661 | 581 | 64676 |
| | 582 | 55249 | 583 | 42963 | 584 | 31069 | 585 | 23638 | 586 | 21423 | 587 | 20976 |
| | 588 | 18804 | 589 | 15028 | 590 | 11534 | 591 | 7901 | 592 | 1758 | 593 | -7158 |
| | 594 | -16451 | 595 | -25134 | 596 | -34839 | 597 | -45533 | 598 | -53661 | 599 | -56981 |
| | 600 | -58139 | 601 | -60948 | 602 | -66027 | 603 | -72130 | 604 | -78157 | 605 | -81659 |
| | 606 | -79708 | 607 | -73937 | 608 | -70357 | 609 | -71588 | 610 | -74082 | 611 | -75219 |
| | 612 | -76810 | 613 | -78054 | 614 | -71878 | 615 | -53949 | 616 | -30530 | 617 | -12014 |
| | 618 | -2334 | 619 | 835 | 620 | -672 | 621 | -7004 | 622 | -17181 | 623 | -28452 |
| | 624 | -37947 | 625 | -43669 | 626 | -45715 | 627 | -46949 | 628 | -49997 | 629 | -53596 |
| | 630 | -54785 | 631 | -54085 | 632 | -54823 | 633 | -57857 | 634 | -61089 | 635 | -64016 |
| | 636 | -68291 | 637 | -73296 | 638 | -75442 | 639 | -73135 | 640 | -68834 | 641 | -64375 |
| | 642 | -57319 | 643 | -44469 | 644 | -27298 | 645 | -11306 | 646 | -442 | 647 | 5864 |
| | 648 | 10052 | 649 | 12866 | 650 | 13675 | 651 | 13083 | 652 | 13205 | 653 | 15310 |
| | 654 | 18844 | 655 | 23215 | 656 | 29221 | 657 | 37836 | 658 | 48192 | 659 | 57351 |
| | 660 | 62084 | 661 | 61271 | 662 | 57009 | 663 | 52855 | 664 | 50355 | 665 | 47791 |
| | 666 | 42759 | 667 | 35207 | 668 | 27498 | 669 | 22458 | 670 | 21765 | 671 | 24948 |
| | 672 | 29340 | 673 | 32214 | 674 | 33421 | 675 | 34738 | 676 | 36725 | 677 | 38218 |
| | 678 | 39001 | 679 | 40491 | 680 | 43024 | 681 | 44689 | 682 | 43791 | 683 | 40749 |
| | 684 | 36983 | 685 | 33628 | 686 | 31499 | 687 | 30402 | 688 | 28281 | 689 | 22964 |
| | 690 | 14999 | 691 | 7446 | 692 | 3323 | 693 | 4584 | 694 | 12136 | 695 | 24446 |
| | 696 | 37137 | 697 | 46377 | 698 | 52041 | 699 | 55793 | 700 | 57531 | 701 | 55948 |
| | 702 | 51185 | 703 | 44485 | 704 | 36303 | 705 | 26710 | 706 | 16498 | 707 | 6427 |
| | 708 | -2731 | 709 | -8157 | 710 | -5931 | 711 | 3613 | 712 | 14069 | 713 | 19054 |
| | 714 | 17977 | 715 | 13705 | 716 | 7450 | 717 | -1054 | 718 | -10727 | 719 | -19826 |
| | 720 | -28115 | 721 | -35952 | 722 | -42573 | 723 | -47320 | 724 | -51273 | 725 | -55820 |
| | 726 | -60867 | 727 | -65876 | 728 | -71156 | 729 | -76567 | 730 | -80219 | 731 | -79970 |
| | 732 | -75455 | 733 | -67912 | 734 | -59114 | 735 | -51128 | 736 | -45796 | 737 | -43313 |
| | 738 | -41929 | 739 | -39640 | 740 | -35795 | 741 | -30992 | 742 | -26032 | 743 | -21145 |
| | 744 | -15990 | 745 | -10527 | 746 | -5696 | 747 | -2556 | 748 | -819 | 749 | 762 |
| | 750 | 2653 | 751 | 4443 | 752 | 6443 | 753 | 9826 | 754 | 14913 | 755 | 20807 |
| | 756 | 26942 | 757 | 33524 | 758 | 40242 | 759 | 45934 | 760 | 49863 | 761 | 52442 |
| | 762 | 54685 | 763 | 57378 | 764 | 59970 | 765 | 59981 | 766 | 55064 | 767 | 46211 |
| | 768 | 36914 | 769 | 28742 | 770 | 20615 | 771 | 13199 | 772 | 10024 | 773 | 12038 |
| | 774 | 14733 | 775 | 13562 | 776 | 9176 | 777 | 4578 | 778 | 362 | 779 | -4058 |
| | 780 | -7548 | 781 | -9238 | 782 | -11180 | 783 | -15597 | 784 | -21295 | 785 | -25788 |
| | 786 | -29050 | 787 | -31950 | 788 | -32677 | 789 | -28461 | 790 | -20379 | 791 | -13389 |
| | 792 | -11241 | 793 | -13352 | 794 | -16765 | 795 | -19291 | 796 | -20270 | 797 | -19914 |
| | 804 | -10619 | 805 | -3587 | 806 | -2146 | 807 | 6745 | 808 | -22486 | 809 | -17803 |
| | 810 | 9084 | 811 | 6711 | 812 | 2944 | 813 | -3685 | 814 | 9802 | 815 | 10466 |
| | 816 | -27044 | 817 | -29157 | 818 | -27925 | 819 | -23375 | 820 | -12770 | 821 | -21410 |
| | 822 | -6408 | 823 | -4405 | 824 | -3824 | 825 | -4785 | 826 | -16696 | 827 | -10452 |
| | 828 | -17735 | 829 | -23278 | 830 | -25924 | 831 | -23926 | 832 | -7552 | 833 | -12012 |
| | 834 | -7864 | 835 | -3038 | 836 | 1214 | 837 | 4403 | 838 | -18663 | 839 | -12947 |
| | | | | | | | | | | 7474 | | 11275 |

| | | | | | | | | | | | | |
|----|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 46 | 639 | 14395 | 841 | 15051 | 642 | 13924 | 843 | 12397 | 843 | 9563 | 845 | 4447 |
| | 846 | -181 | 847 | -356 | 847 | 3207 | 849 | 5808 | 850 | 5445 | 851 | 5062 |
| | 852 | 7493 | 853 | 11618 | 854 | 14833 | 855 | 16545 | 856 | 17506 | 857 | 17614 |
| | 858 | 16263 | 859 | 13682 | 860 | 11617 | 860 | 9861 | 862 | 8254 | 863 | 6962 |
| | 864 | 6916 | 864 | 8546 | 866 | 10992 | 867 | 12955 | 868 | 13944 | 868 | 14290 |
| | 870 | 14235 | 871 | 13369 | 872 | 10996 | 872 | 7199 | 874 | 3756 | 875 | 3337 |
| | 876 | 6755 | 877 | 11455 | 878 | 14117 | 879 | 14293 | 880 | 13553 | 881 | 11661 |
| | 882 | 6780 | 883 | 14 | 884 | -3813 | 885 | -1673 | 887 | 4051 | 887 | 9303 |
| | 888 | 13220 | 889 | 17070 | 889 | 20523 | 891 | 21747 | 892 | 20223 | 893 | 17398 |
| | 893 | 15108 | 895 | 14517 | 896 | 15773 | 897 | 17745 | 897 | 18992 | 899 | 19548 |
| | 900 | 20532 | 901 | 21627 | 902 | 20710 | 903 | 16867 | 904 | 12250 | 905 | 9746 |
| | 906 | 9818 | 907 | 10539 | 908 | 9891 | 909 | 7342 | 910 | 3963 | 910 | 1543 |
| | 912 | 878 | 913 | 628 | 914 | -1273 | 914 | -4883 | 916 | -8058 | 917 | -9359 |
| | 918 | -9758 | 918 | -10685 | 920 | -11833 | 921 | -12312 | 922 | -12939 | 922 | -15516 |
| | 924 | -20027 | 925 | -24196 | 926 | -26067 | 927 | -25684 | 928 | -23931 | 929 | -21109 |
| | 930 | -17399 | 931 | -13648 | 932 | -10727 | 933 | -8679 | 934 | -7337 | 935 | -7234 |
| | 935 | -8990 | 937 | -12000 | 938 | -14553 | 939 | -15289 | 939 | -14109 | 941 | -11765 |
| | 942 | -9031 | 943 | -6272 | 943 | -3442 | 945 | -422 | 946 | 2680 | 947 | 5612 |
| | 947 | 8245 | 949 | 10584 | 950 | 12734 | 951 | 14961 | 952 | 17134 | 953 | 17884 |
| | 954 | 15597 | 955 | 11080 | 956 | 7717 | 957 | 7367 | 958 | 7658 | 959 | 5552 |
| | 960 | 2019 | 960 | 205 | 962 | 226 | 963 | -493 | 964 | -2421 | 964 | -3672 |
| | 966 | -4467 | 967 | -7261 | 968 | -11703 | 968 | -14005 | 970 | -12879 | 971 | -11878 |
| | 972 | -13709 | 972 | -15929 | 974 | -14782 | 975 | -10300 | 976 | -5150 | 977 | -706 |
| | 978 | 3480 | 979 | 7919 | 980 | 12484 | 981 | 16271 | 982 | 17536 | 983 | 15367 |
| | 984 | 11545 | 985 | 8852 | 985 | 7581 | 987 | 5895 | 988 | 3474 | 989 | 2377 |
| | 989 | 4245 | 991 | 8703 | 992 | 14288 | 993 | 18933 | 993 | 20086 | 995 | 16552 |
| | 996 | 9794 | 997 | 1963 | 997 | -6142 | 999 | -13366 | 1000 | -16621 | 1001 | -13573 |
| | 1002 | -6194 | 1003 | 1400 | 1004 | 7118 | 1005 | 10793 | 1006 | 11691 | 1007 | 9114 |
| | 1008 | 4362 | 1009 | -725 | 1010 | -6260 | 1010 | -12785 | 1012 | -18525 | 1013 | -21337 |
| | 1014 | -22609 | 1014 | -25656 | 1016 | -30200 | 1017 | -31912 | 1018 | -28219 | 1018 | -21464 |
| | 1020 | -15170 | 1021 | -10171 | 1022 | -6185 | 1022 | -4361 | 1024 | -5649 | 1025 | -8594 |
| | 1026 | -11359 | 1027 | -14380 | 1028 | -18351 | 1029 | -21054 | 1030 | -19293 | 1031 | -13286 |
| | 1032 | -6397 | 1033 | -999 | 1034 | 2884 | 1035 | 5520 | 1036 | 6665 | 1037 | 6784 |
| | 1038 | 7131 | 1039 | 8647 | 1040 | 11762 | 1041 | 16247 | 1042 | 20222 | 1043 | 21064 |
| | 1044 | 18769 | 1045 | 16530 | 1046 | 16333 | 1047 | 16209 | 1048 | 13820 | 1049 | 10335 |
| | 1050 | 8020 | 1051 | 6077 | 1052 | 2216 | 1053 | -2667 | 1054 | -4658 | 1055 | -1659 |
| | 1056 | 4237 | 1057 | 9454 | 1058 | 12195 | 1059 | 12533 | 1060 | 10818 | 1061 | 7259 |
| | 1062 | 2667 | 1063 | -1561 | 1064 | -4518 | 1065 | -6136 | 1066 | -6136 | 1067 | -3677 |
| | 1068 | 1021 | 1069 | 5610 | 1070 | 7494 | 1071 | 6437 | 1072 | 4274 | 1073 | 2500 |
| | 1074 | 1051 | 1075 | -980 | 1076 | -4180 | 1077 | -7891 | 1078 | -10192 | 1079 | -9727 |
| | 1080 | -7778 | 1081 | -7258 | 1082 | -9360 | 1083 | -12595 | 1084 | -15331 | 1085 | -17536 |
| | 1086 | -19507 | 1087 | -20570 | 1088 | -19992 | 1089 | -18230 | 1090 | -16576 | 1091 | -16011 |
| | 1092 | -16535 | 1093 | -17376 | 1094 | -18016 | 1095 | -18683 | 1096 | -20398 | 1097 | -21812 |
| | 1098 | -22387 | 1099 | -23177 | 1100 | -25420 | 1101 | -27424 | 1102 | -25914 | 1103 | -20797 |
| | 1104 | -15768 | 1105 | -13538 | 1106 | -13113 | 1107 | -12356 | 1108 | -10352 | 1109 | -6485 |
| | 1110 | -219 | 1111 | 6848 | 1112 | 11348 | 1113 | 12059 | 1114 | 11385 | 1115 | 11808 |
| | 1116 | 13030 | 1117 | 13839 | 1118 | 14522 | 1119 | 15650 | 1120 | 16227 | 1121 | 15071 |
| | 1122 | 13023 | 1123 | 12038 | 1124 | 12788 | 1125 | 14651 | 1126 | 17449 | 1127 | 21445 |
| | 1128 | 25809 | 1129 | 28753 | 1130 | 29520 | 1131 | 29021 | 1132 | 28380 | 1133 | 28197 |
| | 1134 | 29358 | 1135 | 32751 | 1136 | 37329 | 1137 | 40043 | 1138 | 38952 | 1139 | 35261 |

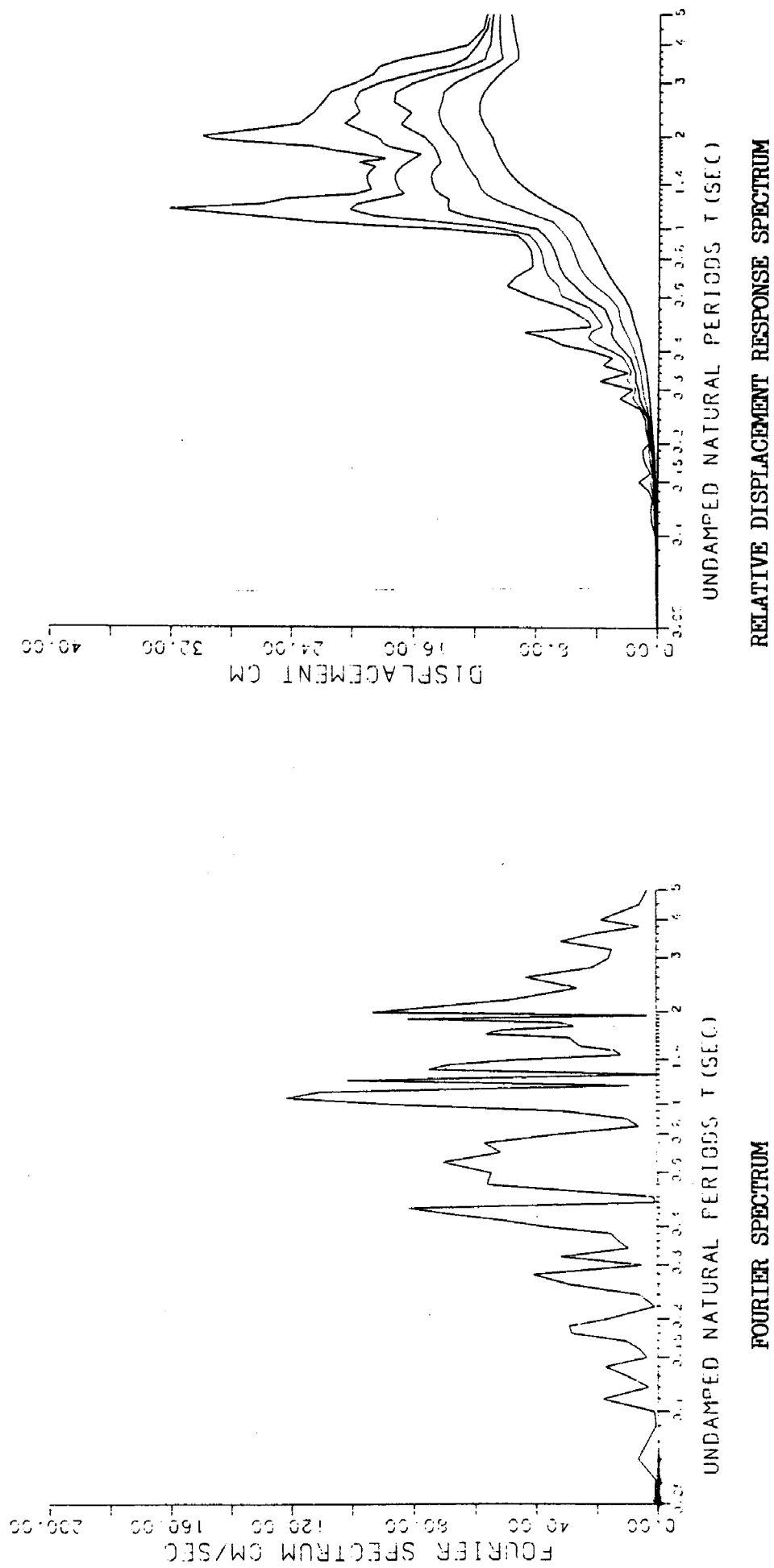
| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1140 | 31186 | 1141 | 27102 | 1142 | 22346 | 1143 | 17707 | 1144 | 15035 | 1145 | 14633 |
| 1146 | 14865 | 1147 | 14516 | 1148 | 14016 | 1149 | 13875 | 1150 | 13266 | 1151 | 11052 |
| 1152 | 7320 | 1153 | 2836 | 1154 | -2436 | 1155 | -8964 | 1156 | -15868 | 1157 | -21130 |
| 1158 | -24089 | 1159 | -26152 | 1160 | -27986 | 1161 | -27670 | 1162 | -23508 | 1163 | -17566 |
| 1164 | -14091 | 1165 | -14718 | 1166 | -17303 | 1167 | -19327 | 1168 | -20381 | 1169 | -21078 |
| 1170 | -21539 | 1171 | -21772 | 1172 | -22124 | 1173 | -22567 | 1174 | -22433 | 1175 | -21414 |
| 1176 | -20078 | 1177 | -18975 | 1178 | -17838 | 1179 | -16123 | 1180 | -13871 | 1181 | -11560 |
| 1182 | -9341 | 1183 | -6913 | 1184 | -4111 | 1185 | -1125 | 1186 | 2007 | 1187 | 5620 |
| 1188 | 9722 | 1189 | 13409 | 1190 | 15493 | 1191 | 15622 | 1192 | 14413 | 1193 | 12668 |
| 1194 | 10863 | 1195 | 9141 | 1196 | 7340 | 1197 | 5236 | 1198 | 3054 | 1199 | 1265 |
| 1200 | -467 | 1201 | -3242 | 1202 | -7078 | 1203 | -10145 | 1204 | -10924 | 1205 | -10286 |
| 1206 | -10157 | 1207 | -10944 | 1208 | -11722 | 1209 | -12231 | 1210 | -13065 | 1211 | -14228 |
| 1212 | -15006 | 1213 | -15075 | 1214 | -14761 | 1215 | -14590 | 1216 | -15283 | 1217 | -17216 |
| 1218 | -19072 | 1219 | -18323 | 1220 | -14221 | 1221 | -9055 | 1222 | -5237 | 1223 | -2562 |
| 1224 | 241 | 1225 | 2785 | 1226 | 3785 | 1227 | 3412 | 1228 | 2898 | 1229 | 2479 |
| 1230 | 1475 | 1231 | -78 | 1232 | -1332 | 1233 | -1728 | 1234 | -1104 | 1235 | 673 |
| 1236 | 3135 | 1237 | 4957 | 1238 | 5306 | 1239 | 4783 | 1240 | 4172 | 1241 | 3152 |
| 1242 | 1257 | 1243 | -751 | 1244 | -1747 | 1245 | -1900 | 1246 | -2296 | 1247 | -3271 |
| 1248 | -4252 | 1249 | -5036 | 1250 | -6102 | 1251 | -7598 | 1252 | -9019 | 1253 | -10077 |
| 1254 | -11025 | 1255 | -11837 | 1256 | -11953 | 1257 | -11201 | 1258 | -10067 | 1259 | -8491 |
| 1260 | -5497 | 1261 | -1046 | 1262 | 2776 | 1263 | 3957 | 1264 | 3347 | 1265 | 3554 |
| 1266 | 5475 | 1267 | 7763 | 1268 | 9583 | 1269 | 11744 | 1270 | 14618 | 1271 | 16863 |
| 1272 | 17170 | 1273 | 16020 | 1274 | 14753 | 1275 | 13587 | 1276 | 11258 | 1277 | 6522 |
| 1278 | -29 | 1279 | -5581 | 1280 | -7136 | 1281 | -4437 | 1282 | -266 | 1283 | 2531 |
| 1284 | 3428 | 1285 | 3348 | 1286 | 2841 | 1287 | 2000 | 1288 | 1062 | 1289 | 189 |
| 1290 | -525 | 1291 | -384 | 1292 | 1449 | 1293 | 4413 | 1294 | 6751 | 1295 | 7674 |
| 1296 | 8005 | 1297 | 8334 | 1298 | 8047 | 1299 | 6836 | 1300 | 5817 | 1301 | 6241 |
| 1302 | 8069 | 1303 | 10504 | 1304 | 13092 | 1305 | 15547 | 1306 | 17119 | 1307 | 16965 |
| 1308 | 15064 | 1309 | 12322 | 1310 | 9729 | 1311 | 7775 | 1312 | 6941 | 1313 | 8237 |
| 1314 | 12151 | 1315 | 16981 | 1316 | 19717 | 1317 | 19393 | 1318 | 18037 | 1319 | 17172 |
| 1320 | 15290 | 1321 | 10799 | 1322 | 5660 | 1323 | 3367 | 1324 | 4401 | 1325 | 6444 |
| 1326 | 8315 | 1327 | 10912 | 1328 | 14586 | 1329 | 18157 | 1330 | 20610 | 1331 | 21948 |
| 1332 | 22371 | 1333 | 21908 | 1334 | 20677 | 1335 | 18784 | 1336 | 16448 | 1337 | 14376 |
| 1338 | 12961 | 1339 | 11296 | 1340 | 8653 | 1341 | 6566 | 1342 | 7069 | 1343 | 9040 |
| 1344 | 9049 | 1345 | 5971 | 1346 | 1995 | 1347 | -1162 | 1348 | -4159 | 1349 | -7629 |
| 1350 | -10537 | 1351 | -11682 | 1352 | -10898 | 1353 | -8459 | 1354 | -5022 | 1355 | -2140 |
| 1356 | -1228 | 1357 | -2239 | 1358 | -4449 | 1359 | -7553 | 1360 | -10696 | 1361 | -11909 |
| 1362 | -10337 | 1363 | -7873 | 1364 | -6866 | 1365 | -7225 | 1366 | -7295 | 1367 | -6525 |
| 1368 | -5773 | 1369 | -5688 | 1370 | -6003 | 1371 | -6160 | 1372 | -6117 | 1373 | -6758 |
| 1374 | -9177 | 1375 | -13009 | 1376 | -16184 | 1377 | -17224 | 1378 | -16943 | 1379 | -16900 |
| 1380 | -17202 | 1381 | -17077 | 1382 | -16583 | 1383 | -16380 | 1384 | -16533 | 1385 | -16637 |
| 1386 | -16539 | 1387 | -16213 | 1388 | -15608 | 1389 | -14926 | 1390 | -14077 | 1391 | -11907 |
| 1392 | -7419 | 1393 | -1863 | 1394 | 2033 | 1395 | 3222 | 1396 | 3100 | 1397 | 2917 |
| 1398 | 2284 | 1399 | 939 | 1400 | 257 | 1401 | 1786 | 1402 | 5122 | 1403 | 8193 |
| 1404 | 9255 | 1405 | 8090 | 1406 | 5607 | 1407 | 2848 | 1408 | 432 | 1409 | -1371 |
| 1410 | -2450 | 1411 | -2953 | 1412 | -3373 | 1413 | -4134 | 1414 | -5168 | 1415 | -6214 |
| 1416 | -7332 | 1417 | -8698 | 1418 | -10054 | 1419 | -10881 | 1420 | -11052 | 1421 | -10865 |
| 1422 | -10581 | 1423 | -10395 | 1424 | -10596 | 1425 | -11138 | 1426 | -11365 | 1427 | -10855 |
| 1428 | -10195 | 1429 | -10105 | 1430 | -10268 | 1431 | -10046 | 1432 | -9782 | 1433 | -10087 |
| 1434 | -10452 | 1435 | -10215 | 1436 | -10175 | 1437 | -11027 | 1438 | -10772 | 1439 | -6670 |

| | | | | | | | | | | | |
|---------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 48,1440 | 91 | 1441 | 4844 | 1442 | 5457 | 1443 | 4904 | 1444 | 6463 | 1445 | 9287 |
| 1446 | 10699 | 1447 | 10424 | 1448 | 10097 | 1449 | 10265 | 1450 | 10240 | 1451 | 9953 |
| 1452 | 9967 | 1453 | 10229 | 1454 | 10261 | 1455 | 10142 | 1456 | 10232 | 1457 | 10413 |
| 1458 | 10414 | 1459 | 10372 | 1460 | 10481 | 1461 | 10597 | 1462 | 10587 | 1463 | 10599 |
| 1464 | 10723 | 1465 | 10793 | 1466 | 10628 | 1467 | 10201 | 1468 | 9619 | 1469 | 9094 |
| 1470 | 8692 | 1471 | 8128 | 1472 | 7371 | 1473 | 7307 | 1474 | 8834 | 1475 | 11281 |
| 1476 | 12917 | 1477 | 13163 | 1478 | 13012 | 1479 | 13118 | 1480 | 13022 | 1481 | 12628 |
| 1482 | 12640 | 1483 | 12818 | 1484 | 11512 | 1485 | 8062 | 1486 | 4295 | 1487 | 2319 |
| 1488 | 1897 | 1489 | 1384 | 1490 | 365 | 1491 | -172 | 1492 | 138 | 1493 | 491 |
| 1494 | 418 | 1495 | 462 | 1496 | 953 | 1497 | 1270 | 1498 | 883 | 1499 | 213 |
| 1500 | -277 | 1501 | -1025 | 1502 | -2580 | 1503 | -4526 | 1504 | -6076 | 1505 | -7175 |
| 1506 | -8125 | 1507 | -8726 | 1508 | -8774 | 1509 | -8689 | 1510 | -8513 | 1511 | -7080 |
| 1512 | -3633 | 1513 | 357 | 1514 | 2611 | 1515 | 2848 | 1516 | 2630 | 1517 | 2886 |
| 1518 | 3279 | 1519 | 3749 | 1520 | 4893 | 1521 | 6739 | 1522 | 8608 | 1523 | 10212 |
| 1524 | 11674 | 1525 | 12524 | 1526 | 11987 | 1527 | 10236 | 1528 | 8108 | 1529 | 5572 |
| 1530 | 1762 | 1531 | -3188 | 1532 | -7568 | 1533 | -9883 | 1534 | -10407 | 1535 | -10321 |
| 1536 | -10022 | 1537 | -9176 | 1538 | -8058 | 1539 | -7652 | 1540 | -8194 | 1541 | -8697 |
| 1542 | -8477 | 1543 | -8088 | 1544 | -7866 | 1545 | -6670 | 1546 | -3518 | 1547 | 217 |
| 1548 | 1869 | 1549 | 515 | 1550 | -2393 | 1551 | -5140 | 1552 | -7159 | 1553 | -8529 |
| 1554 | -9357 | 1555 | -9793 | 1556 | -9902 | 1557 | -9636 | 1558 | -9203 | 1559 | -8778 |
| 1560 | -7677 | 1561 | -5086 | 1562 | -1950 | 1563 | -475 | 1564 | -1088 | 1565 | -1677 |
| 1566 | -771 | 1567 | 402 | 1568 | 145 | 1569 | -1320 | 1570 | -3058 | 1571 | -5275 |
| 1572 | -8276 | 1573 | -10826 | 1574 | -11250 | 1575 | -9518 | 1576 | -7083 | 1577 | -5299 |
| 1578 | -4785 | 1579 | -5536 | 1580 | -6779 | 1581 | -7299 | 1582 | -6591 | 1583 | -5305 |
| 1584 | -4214 | 1585 | -3291 | 1586 | -2136 | 1587 | -736 | 1588 | 559 | 1589 | 1492 |
| 1590 | 2029 | 1591 | 2263 | 1592 | 2345 | 1593 | 2405 | 1594 | 2502 | 1595 | 2656 |
| 1596 | 2809 | 1597 | 2770 | 1598 | 2334 | 1599 | 1448 | 1600 | 175 | 1601 | -1323 |
| 1602 | -2589 | 1603 | -2967 | 1604 | -2252 | 1605 | -1009 | 1606 | 108 | 1607 | 1053 |
| 1608 | 2027 | 1609 | 2870 | 1610 | 3395 | 1611 | 3879 | 1612 | 4518 | 1613 | 4756 |
| 1614 | 4059 | 1615 | 2978 | 1616 | 2379 | 1617 | 1945 | 1618 | 820 | 1619 | -414 |
| 1620 | -104 | 1621 | 1829 | 1622 | 3379 | 1623 | 3226 | 1624 | 2381 | 1625 | 2132 |
| 1626 | 2064 | 1627 | 1371 | 1628 | 548 | 1629 | 125 | 1630 | -972 | 1631 | -3812 |
| 1632 | -6988 | 1633 | -7799 | 1634 | -5677 | 1635 | -2829 | 1636 | -1436 | 1637 | -1479 |
| 1637 | -1415 | 1639 | -14 | 1640 | 2701 | 1641 | 5735 | 1642 | 8104 | 1643 | 9627 |
| 1644 | 10625 | 1645 | 11053 | 1646 | 10424 | 1647 | 8476 | 1648 | 5363 | 1649 | 1417 |
| 1650 | -2722 | 1651 | -6066 | 1652 | -8023 | 1653 | -8873 | 1654 | -9100 | 1655 | -8861 |
| 1656 | -8582 | 1657 | -9109 | 1658 | -10514 | 1659 | -11638 | 1660 | -11543 | 1661 | -10521 |
| 1662 | -9109 | 1663 | -7335 | 1664 | -5633 | 1665 | -5132 | 1666 | -6096 | 1667 | -7307 |
| 1668 | -7822 | 1669 | -7944 | 1670 | -7641 | 1671 | -5755 | 1672 | -2051 | 1673 | 1490 |
| 1674 | 2984 | 1675 | 3030 | 1676 | 3285 | 1677 | 3834 | 1678 | 3649 | 1679 | 2802 |
| 1679 | 2530 | 1681 | 3572 | 1682 | 5804 | 1683 | 8909 | 1684 | 12045 | 1685 | 13454 |
| 1686 | 11959 | 1687 | 8622 | 1688 | 5542 | 1689 | 3345 | 1690 | 1348 | 1691 | -124 |
| 1692 | 463 | 1693 | 3466 | 1694 | 7241 | 1695 | 10262 | 1696 | 12427 | 1697 | 13696 |
| 1698 | 13173 | 1699 | 10637 | 1700 | 7651 | 1701 | 5948 | 1702 | 5599 | 1703 | 5644 |
| 1704 | 5637 | 1705 | 5685 | 1706 | 5716 | 1707 | 5520 | 1708 | 5028 | 1709 | 4107 |
| 1710 | 2647 | 1711 | 1121 | 1712 | 397 | 1713 | 779 | 1714 | 1688 | 1715 | 2181 |
| 1716 | 1314 | 1717 | -1380 | 1718 | -4994 | 1719 | -7502 | 1720 | -7929 | 1721 | -7465 |
| 1721 | -7464 | 1723 | -7516 | 1724 | -6744 | 1725 | -5530 | 1726 | -4262 | 1727 | -1897 |
| 1728 | 2124 | 1729 | 5890 | 1730 | 7235 | 1731 | 6720 | 1732 | 6144 | 1733 | 5467 |
| 1734 | 3859 | 1735 | 2507 | 1736 | 3417 | 1737 | 6200 | 1738 | 8781 | 1739 | 10484 |

| | | | | | | | | | | | | |
|----|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 19 | 1740 | 11859 | 1741 | 12484 | 1742 | 11732 | 1743 | 10784 | 1744 | 10909 | 1745 | 10565 |
| | 1745 | 7236 | 1746 | 1568 | 1748 | -3375 | 1749 | -6479 | 1750 | -9165 | 1751 | -11981 |
| | 1752 | -13764 | 1753 | -14264 | 1754 | -14727 | 1754 | -15607 | 1756 | -16108 | 1757 | -16146 |
| | 1758 | -16473 | 1759 | -16757 | 1760 | -15650 | 1761 | -12867 | 1762 | -9396 | 1762 | -5871 |
| | 1764 | -2491 | 1765 | -124 | 1766 | 439 | 1767 | 65 | 1768 | 257 | 1769 | 886 |
| | 1770 | 556 | 1770 | -1196 | 1771 | -3601 | 1773 | -5952 | 1774 | -7629 | 1775 | -7575 |
| | 1776 | -5461 | 1777 | -2798 | 1778 | -1281 | 1779 | -694 | 1779 | 87 | 1781 | 853 |
| | 1782 | 505 | 1783 | -1028 | 1784 | -3026 | 1785 | -5391 | 1786 | -8105 | 1787 | -9865 |
| | 1787 | -9094 | 1789 | -6106 | 1790 | -2833 | 1791 | -600 | 1792 | 715 | 1793 | 1683 |
| | 1794 | 2637 | 1795 | 3644 | 1795 | 4222 | 1796 | 3482 | 1798 | 1358 | 1799 | -864 |
| | 1800 | -2021 | 1801 | -2414 | 1802 | -2860 | 1803 | -3253 | 1804 | -3120 | 1804 | -2863 |
| | 1806 | -3136 | 1807 | -3407 | 1808 | -2350 | 1809 | 372 | 1810 | 3687 | 1811 | 6445 |
| | 1812 | 8406 | 1812 | 9750 | 1814 | 10295 | 1815 | 9575 | 1816 | 7484 | 1817 | 4595 |
| | 1818 | 1848 | 1819 | -30 | 1820 | -817 | 1820 | -607 | 1821 | 446 | 1823 | 2098 |
| | 1824 | 3922 | 1825 | 5525 | 1826 | 6919 | 1827 | 8461 | 1828 | 10270 | 1829 | 11848 |
| | 1829 | 12584 | 1831 | 12621 | 1832 | 12817 | 1833 | 13721 | 1834 | 15033 | 1835 | 16292 |
| | 1836 | 17543 | 1837 | 18878 | 1837 | 19859 | 1839 | 19916 | 1840 | 18737 | 1841 | 15872 |
| | 1842 | 10877 | 1843 | 4541 | 1844 | -1140 | 1845 | -5183 | 1845 | -8557 | 1846 | -11756 |
| | 1848 | -13029 | 1849 | -10935 | 1850 | -7241 | 1851 | -4911 | 1852 | -4404 | 1853 | -4527 |
| | 1854 | -5714 | 1854 | -9018 | 1856 | -12503 | 1857 | -12468 | 1858 | -8706 | 1859 | -5099 |
| | 1860 | -4260 | 1861 | -4765 | 1862 | -4647 | 1862 | -4414 | 1864 | -5034 | 1865 | -5728 |
| | 1866 | -5688 | 1867 | -5854 | 1868 | -7135 | 1869 | -8674 | 1870 | -9645 | 1870 | -11156 |
| | 1871 | -14361 | 1873 | -17903 | 1874 | -19254 | 1875 | -17889 | 1876 | -15360 | 1877 | -12771 |
| | 1878 | -2972 | 1879 | -6997 | 1879 | -4740 | 1881 | -3614 | 1882 | -3048 | 1883 | -2565 |
| | 1884 | -2477 | 1885 | -3095 | 1886 | -4099 | 1887 | -5167 | 1887 | -6512 | 1889 | -8312 |
| | 1890 | -10175 | 1891 | -11679 | 1892 | -12930 | 1893 | -14142 | 1894 | -15177 | 1895 | -15993 |
| | 1895 | -16949 | 1896 | -18042 | 1898 | -18321 | 1899 | -16828 | 1900 | -13850 | 1901 | -10545 |
| | 1902 | -7520 | 1903 | -4479 | 1904 | -1222 | 1904 | 1775 | 1906 | 4008 | 1907 | 5618 |
| | 1908 | 7123 | 1909 | 8785 | 1910 | 10464 | 1911 | 11904 | 1912 | 12987 | 1912 | 13797 |
| | 1914 | 14546 | 1915 | 15382 | 1916 | 16248 | 1917 | 16997 | 1918 | 17594 | 1919 | 18075 |
| | 1920 | 18323 | 1920 | 18085 | 1921 | 17273 | 1923 | 16125 | 1924 | 14904 | 1925 | 13477 |
| | 1926 | 11380 | 1927 | 8448 | 1928 | 5267 | 1929 | 2796 | 1929 | 1616 | 1931 | 1698 |
| | 1932 | 2746 | 1933 | 4379 | 1934 | 6022 | 1935 | 7120 | 1936 | 7601 | 1937 | 7813 |
| | 1937 | 7941 | 1939 | 7784 | 1940 | 7215 | 1941 | 6486 | 1942 | 5896 | 1943 | 5427 |
| | 1944 | 4938 | 1945 | 4522 | 1945 | 4432 | 1946 | 4787 | 1948 | 5550 | 1949 | 6524 |
| | 1950 | 7106 | 1951 | 6509 | 1952 | 4848 | 1953 | 3476 | 1954 | 3223 | 1954 | 2837 |
| | 1956 | 802 | 1957 | -1632 | 1958 | -1509 | 1959 | 1559 | 1960 | 4786 | 1961 | 6553 |
| | 1962 | 8345 | 1962 | 10964 | 1964 | 12116 | 1965 | 10059 | 1966 | 6692 | 1967 | 4331 |
| | 1968 | 2317 | 1969 | -153 | 1970 | -791 | 1970 | 2363 | 1971 | 6719 | 1973 | 8403 |
| | 1974 | 7745 | 1975 | 7381 | 1976 | 6828 | 1977 | 3558 | 1978 | -1684 | 1979 | -5278 |
| | 1979 | -5982 | 1981 | -5786 | 1982 | -5799 | 1983 | -5027 | 1984 | -3250 | 1985 | -1725 |
| | 1986 | -762 | 1987 | 541 | 1987 | 1968 | 1989 | 2090 | 1990 | 828 | 1991 | -23 |
| | 1992 | 735 | 1993 | 2326 | 1994 | 3386 | 1995 | 3501 | 1996 | 3058 | 1996 | 2486 |
| | 1998 | 1955 | 1999 | 1431 | 2000 | 879 | 2001 | 417 | 2002 | 90 | 2003 | -327 |
| | 2004 | -868 | 2004 | -1098 | 2006 | -1078 | 2007 | -2182 | 2008 | -5772 | 2009 | -11046 |
| | 2010 | -15390 | 2011 | -17160 | 2012 | -17195 | 2012 | -16958 | 2014 | -16823 | 2015 | -16344 |
| | 2016 | -15553 | 2017 | -14835 | 2018 | -14074 | 2019 | -12926 | 2020 | -11667 | 2020 | -10811 |
| | 2021 | -10085 | 2023 | -8855 | 2024 | -7472 | 2025 | -6985 | 2026 | -7459 | 2027 | -7935 |
| | 2028 | -8294 | 2029 | -9598 | 2029 | -11964 | 2031 | -13664 | 2032 | -13294 | 2033 | -11627 |
| | 2034 | -10281 | 2035 | -9613 | 2036 | -8952 | 2037 | -7924 | 2037 | -6523 | 2039 | -4627 |

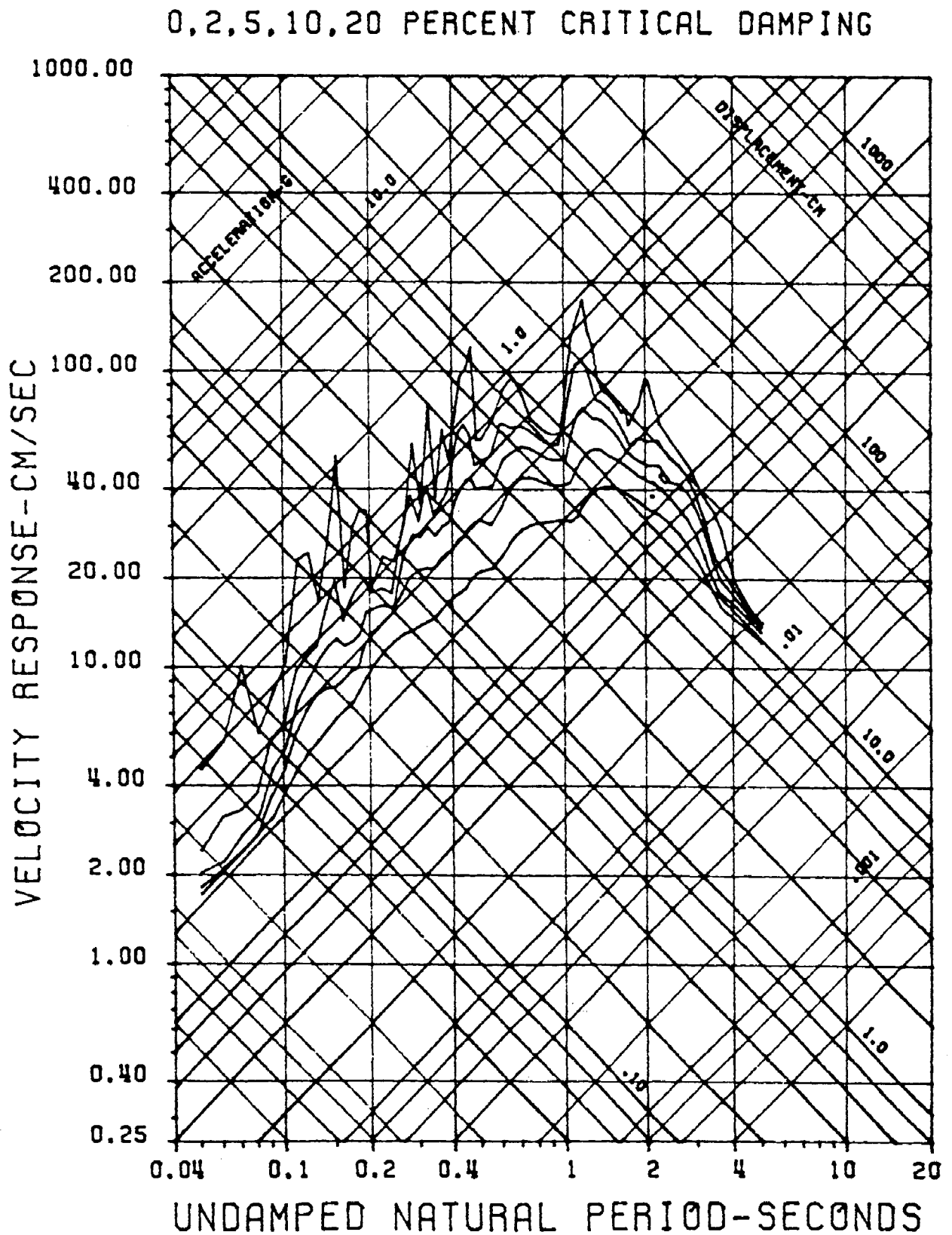
| | | | | | | | | | | | |
|----------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 50. 2040 | -2435 | 2041 | -722 | 2042 | 258 | 2043 | 1530 | 2044 | 4121 | 2045 | 7475 |
| 2045 | 9996 | 2046 | 10896 | 2048 | 10721 | 2049 | 10265 | 2050 | 9822 | 2051 | 9564 |
| 2052 | 9895 | 2053 | 10999 | 2054 | 12372 | 2055 | 13256 | 2056 | 13519 | 2057 | 13755 |
| 2058 | 14349 | 2059 | 14710 | 2060 | 13880 | 2061 | 11911 | 2062 | 9915 | 2063 | 8683 |
| 2064 | 7775 | 2065 | 6616 | 2066 | 5668 | 2067 | 5586 | 2068 | 5910 | 2069 | 5822 |
| 2070 | 5665 | 2071 | 6294 | 2072 | 3755 | 2073 | 7578 | 2074 | 7002 | 2075 | 6509 |
| 2076 | 6136 | 2077 | 5136 | 2078 | 3755 | 2079 | 3010 | 2080 | 2702 | 2081 | 1652 |
| 2082 | 30 | 2083 | 485 | 2084 | 869 | 2085 | 3083 | 2086 | 5072 | 2087 | 6540 |
| 2088 | 7036 | 2089 | 5886 | 2090 | 3397 | 2091 | 893 | 2092 | 589 | 2093 | -829 |
| 2094 | -53 | 2095 | 1154 | 2096 | 2222 | 2097 | 3412 | 2098 | 5206 | 2099 | 6422 |
| 2100 | 4711 | 2101 | -204 | 2102 | -5745 | 2103 | -9997 | 2104 | -13827 | 2105 | -18038 |
| 2106 | -20778 | 2107 | -20042 | 2108 | -16992 | 2109 | -14324 | 2110 | -12462 | 2111 | -9732 |
| 2112 | -5797 | 2113 | -2650 | 2114 | -2015 | 2115 | -3280 | 2116 | -4447 | 2117 | -4201 |
| 2118 | -2677 | 2119 | -878 | 2120 | 213 | 2121 | 215 | 2122 | -431 | 2123 | -719 |
| 2124 | 99 | 2125 | 1619 | 2126 | 2401 | 2127 | 1297 | 2128 | -1442 | 2129 | -4546 |
| 2130 | -6817 | 2131 | -7549 | 2132 | -6581 | 2133 | -4788 | 2134 | -4050 | 2135 | -5604 |
| 2136 | -8440 | 2137 | -10228 | 2138 | -9847 | 2139 | -8163 | 2140 | -6433 | 2141 | -5033 |
| 2142 | -4038 | 2143 | -3917 | 2144 | -4830 | 2145 | -5844 | 2146 | -5768 | 2147 | -4508 |
| 2148 | -2909 | 2149 | -1487 | 2150 | -73 | 2151 | 1449 | 2152 | 2908 | 2153 | 4396 |
| 2154 | 6205 | 2155 | 8042 | 2156 | 9110 | 2157 | 9205 | 2158 | 9010 | 2159 | 9046 |
| 2160 | 9092 | 2161 | 8865 | 2162 | 8541 | 2163 | 8295 | 2164 | 7986 | 2165 | 7566 |
| 2166 | 7225 | 2167 | 6978 | 2168 | 6613 | 2169 | 6157 | 2170 | 5881 | 2171 | 5831 |
| 2172 | 5835 | 2173 | 5891 | 2174 | 6089 | 2175 | 6283 | 2176 | 6262 | 2177 | 6067 |
| 2178 | 5775 | 2179 | 5236 | 2180 | 4339 | 2181 | 3260 | 2182 | 2244 | 2183 | 1460 |
| 2184 | 1078 | 2185 | 1086 | 2186 | 1158 | 2187 | 1203 | 2188 | 1590 | 2189 | 2100 |
| 2190 | 1339 | 2191 | -1574 | 2192 | -5293 | 2193 | -7650 | 2194 | -8316 | 2195 | -8548 |
| 2196 | -8870 | 2197 | -8881 | 2198 | -8955 | 2199 | -9993 | 2200 | -11419 | 2201 | -11359 |
| 2202 | -9139 | 2203 | -6045 | 2204 | -3416 | 2205 | -1437 | 2206 | 22 | 2207 | 781 |
| 2208 | 881 | 2209 | 762 | 2210 | 749 | 2211 | 1015 | 2212 | 1765 | 2213 | 2751 |
| 2214 | 3086 | 2215 | 2306 | 2216 | 1093 | 2217 | 261 | 2218 | -333 | 2219 | -1182 |
| 2220 | -2170 | 2221 | -3033 | 2222 | -4058 | 2223 | -5517 | 2224 | -6955 | 2225 | -7762 |
| 2226 | -7980 | 2227 | -8033 | 2228 | -8085 | 2229 | -8078 | 2230 | -7981 | 2231 | -7756 |
| 2232 | -7423 | 2233 | -7170 | 2234 | -6994 | 2235 | -6400 | 2236 | -5076 | 2237 | -3634 |
| 2238 | -2932 | 2239 | -2849 | 2240 | -2514 | 2241 | -1624 | 2242 | -676 | 2243 | 22 |
| 2244 | 732 | 2245 | 1576 | 2246 | 2203 | 2247 | 2279 | 2248 | 1790 | 2249 | 924 |
| 2250 | 113 | 2251 | 12 | 2252 | 851 | 2253 | 1994 | 2254 | 2685 | 2255 | 2964 |
| 2256 | 3270 | 2257 | 3539 | 2258 | 3531 | 2259 | 3752 | 2260 | 4999 | 2261 | 6964 |
| 2262 | 8288 | 2263 | 8250 | 2264 | 7576 | 2265 | 7201 | 2266 | 6995 | 2267 | 6282 |
| 2268 | 5093 | 2269 | 4231 | 2270 | 4255 | 2271 | 4940 | 2272 | 5766 | 2273 | 6548 |
| 2274 | 7466 | 2275 | 8664 | 2276 | 10104 | 2277 | 11455 | 2278 | 12317 | 2279 | 12552 |
| 2280 | 12504 | 2281 | 12678 | 2282 | 13075 | 2283 | 13066 | 2284 | 12099 | 2285 | 10332 |
| 2286 | 8336 | 2287 | 6320 | 2288 | 4042 | 2289 | 1478 | 2290 | -842 | 2291 | -2424 |
| 2292 | -3427 | 2293 | -4405 | 2294 | -5582 | 2295 | -6692 | 2296 | -7468 | 2297 | -7957 |
| 2298 | -8347 | 2299 | -8699 | 2300 | -8882 | 2301 | -8691 | 2302 | -8056 | 2303 | -7200 |
| 2304 | -6429 | 2305 | -5742 | 2306 | -4882 | 2307 | -3848 | 2308 | -3033 | 2309 | -2732 |
| 2310 | -2819 | 2311 | -3042 | 2312 | -3341 | 2313 | -3749 | 2314 | -4255 | 2315 | -4875 |
| 2316 | -5624 | 2317 | -6384 | 2318 | -6939 | 2319 | -7088 | 2320 | -6652 | 2321 | -5641 |
| 2322 | -4522 | 2323 | -3959 | 2324 | -4075 | 2325 | -4364 | 2326 | -4497 | 2327 | -4625 |
| 2328 | -4672 | 2329 | -4023 | 2330 | -2356 | 2331 | -228 | 2332 | 1657 | 2333 | 3232 |
| 2334 | 4678 | 2335 | 5706 | 2336 | 5793 | 2337 | 4928 | 2338 | 3742 | 2339 | 2887 |

| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 2340 | 2374 | 2341 | 1534 | 2342 | -197 | 2343 | -2401 | 2344 | -3946 | 2345 | -4282 |
| 2346 | -3969 | 2347 | -3726 | 2348 | -3601 | 2349 | -3443 | 2350 | -3519 | 2351 | -4168 |
| 2352 | -5347 | 2353 | -6770 | 2354 | -7955 | 2355 | -8029 | 2356 | -6333 | 2357 | -3451 |
| 2358 | -796 | 2359 | 988 | 2360 | 2352 | 2361 | 3552 | 2362 | 4112 | 2363 | 3810 |
| 2364 | 3130 | 2365 | 2429 | 2366 | 1553 | 2367 | 502 | 2368 | -335 | 2369 | -825 |
| 2370 | -1219 | 2371 | -1570 | 2372 | -1734 | 2373 | -1889 | 2374 | -2311 | 2375 | -2711 |
| 2376 | -2458 | 2377 | -1414 | 2378 | 113 | 2379 | 1942 | 2380 | 3820 | 2381 | 4931 |
| 2382 | 4506 | 2383 | 2692 | 2384 | 1322 | 2385 | 563 | 2386 | 333 | 2387 | 30 |
| 2388 | -496 | 2389 | -944 | 2390 | -936 | 2391 | -306 | 2392 | 753 | 2393 | 1827 |
| 2394 | 2673 | 2395 | 3388 | 2396 | 4085 | 2397 | 4620 | 2398 | 4859 | 2399 | 4950 |
| 2400 | 5111 | 2401 | 5321 | 2402 | 5443 | 2403 | 5492 | 2404 | 5573 | 2405 | 5690 |
| 2406 | 5779 | 2407 | 5835 | 2408 | 5905 | 2409 | 6011 | 2410 | 6127 | 2411 | 6156 |
| 2412 | 5961 | 2413 | 5544 | 2414 | 5126 | 2415 | 4899 | 2416 | 4807 | 2417 | 4689 |
| 2418 | 4535 | 2419 | 4420 | 2420 | 4318 | 2421 | 4149 | 2422 | 3943 | 2423 | 3779 |
| 2424 | 3637 | 2425 | 3453 | 2426 | 3245 | 2427 | 3081 | 2428 | 2954 | 2429 | 2782 |
| 2430 | 2475 | 2431 | 1928 | 2432 | 1032 | 2433 | -279 | 2434 | -2036 | 2435 | -4254 |
| 2436 | -6789 | 2437 | -9217 | 2438 | -11040 | 2439 | -12034 | 2440 | -12273 | 2441 | -11896 |
| 2442 | -11063 | 2443 | -10033 | 2444 | -9000 | 2445 | -7947 | 2446 | -6862 | 2447 | -5950 |
| 2448 | -5353 | 2449 | -4883 | 2450 | -4333 | 2451 | -3834 | 2452 | -3572 | 2453 | -3404 |
| 2454 | -3110 | 2455 | -2770 | 2456 | -2602 | 2457 | -2673 | 2458 | -2974 | 2459 | -3439 |
| 2460 | -3790 | 2461 | -3799 | 2462 | -3719 | 2463 | -3927 | 2464 | -4201 | 2465 | -4081 |
| 2466 | -3872 | 2467 | -4378 | 2468 | -5635 | 2469 | -6807 | 2470 | -7379 | 2471 | -7555 |
| 2472 | -7495 | 2473 | -7063 | 2474 | -6257 | 2475 | -5008 | 2476 | -2907 | 2477 | -216 |
| 2478 | 1300 | 2479 | 86 | 2480 | -2823 | 2481 | -4655 | 2482 | -4180 | 2483 | -2718 |
| 2484 | -1803 | 2485 | -1402 | 2486 | -860 | 2487 | -207 | 2488 | 193 | 2489 | 395 |
| 2490 | 601 | 2491 | 720 | 2492 | 678 | 2493 | 617 | 2494 | 693 | 2495 | 830 |
| 2496 | 959 | 2497 | 1138 | 2498 | 1310 | 2499 | 1237 | 2500 | 836 | 2501 | 406 |
| 2502 | 400 | 2503 | 1078 | 2504 | 2388 | 2505 | 4060 | 2506 | 5732 | 2507 | 7072 |
| 2508 | 7892 | 2509 | 8183 | 2510 | 8036 | 2511 | 7553 | 2512 | 6824 | 2513 | 5973 |
| 2514 | 5133 | 2515 | 4347 | 2516 | 3532 | 2517 | 2624 | 2518 | 1765 | 2519 | 1292 |
| 2520 | 1422 | 2521 | 1927 | 2522 | 2234 | 2523 | 1997 | 2524 | 1412 | 2525 | 794 |
| 2526 | 105 | 2527 | -698 | 2528 | -1097 | 2529 | -487 | 2530 | 874 | 2531 | 2132 |
| 2532 | 3091 | 2533 | 4334 | 2534 | 5980 | 2535 | 7267 | 2536 | 7737 | 2537 | 7887 |
| 2538 | 8141 | 2539 | 7993 | 2540 | 6862 | 2541 | 5142 | 2542 | 3715 | 2543 | 2858 |
| 2544 | 2249 | 2545 | 1679 | 2546 | 1195 | 2547 | 765 | 2548 | 287 | 2549 | -205 |
| 2550 | -647 | 2551 | -1094 | 2552 | -1582 | 2553 | -2043 | 2554 | -2483 | 2555 | -2983 |
| 2556 | -3444 | 2557 | -3617 | 2558 | -3479 | 2559 | -3285 | 2560 | -3161 | 2561 | -2968 |
| 2562 | -2636 | 2563 | -2306 | 2564 | -2051 | 2565 | -1761 | 2566 | -1404 | 2567 | -1114 |
| 2568 | -956 | 2569 | -837 | 2570 | -705 | 2571 | -609 | 2572 | -526 | 2573 | -388 |
| 2574 | -269 | 2575 | -336 | 2576 | -592 | 2577 | -875 | 2578 | -1122 | 2579 | -1421 |
| 2580 | -1764 | 2581 | -1941 | 2582 | -1776 | 2583 | -1335 | 2584 | -850 | 2585 | -482 |
| 2586 | -191 | 2587 | 217 | 2588 | 957 | 2589 | 2102 | 2590 | 3487 | 2591 | 4735 |
| 2592 | 5534 | 2593 | 5963 | 2594 | 6422 | 2595 | 7110 | 2596 | 7668 | 2597 | 7562 |
| 2598 | 6719 | 2599 | 5560 | 2600 | 4472 | 2601 | 3597 | 2602 | 3112 | 2603 | 3309 |



| FOURIER AND RESPONSE SPECTRA | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------|-----------|-------------|---------------|-----------|-------------|---------------|-----------|-------------|---------------|-----------|-------------|---------------|-----------|-------------|---------------|--------|
| EARTHQUAKE M L = 5.5 13-9-86 | | | | | | | | | | | | | | | | |
| KALAMATA EPICENTER INTENSITY X | | | | | | | | | | | | | | | | |
| DAMPING=0.00 DAMPING=0.02 DAMPING=0.05 DAMPING=0.10 DAMPING=0.20 | | | | | | | | | | | | | | | | |
| PER FOURIER SEC | DISPL. CM | VELOC. CH/S | ACCEL. CH/S/S | DISPL. CM | VELOC. CH/S | ACCEL. CH/S/S | DISPL. CM | VELOC. CH/S | ACCEL. CH/S/S | DISPL. CM | VELOC. CH/S | ACCEL. CH/S/S | DISPL. CM | VELOC. CH/S | ACCEL. CH/S/S | |
| .05 | 1246-3 | 3610-5 | 3945-3 | 5695-1 | 1919-5 | 1076-3 | 3037-1 | 1620-5 | 9079-4 | 2556-1 | 1450-5 | 7034-4 | 2302-1 | 1370-5 | 5905-4 | 2177-1 |
| .06 | 9222-4 | 5410-5 | 4290-3 | 5931-1 | 3030-5 | 2186-3 | 3317-1 | 2120-5 | 1329-3 | 2334-1 | 2010-5 | 9655-4 | 2213-1 | 1969-5 | 8406-4 | 2179-1 |
| .07 | 6637-3 | 1133-4 | 9812-3 | 9124-1 | 3740-5 | 2451-3 | 3016-1 | 3040-5 | 1708-3 | 2460-1 | 2690-5 | 1256-3 | 2176-1 | 2670-5 | 1095-3 | 2162-1 |
| .08 | 3353-3 | 7660-5 | 5044-3 | 4725-1 | 4880-5 | 2971-3 | 3011-1 | 3980-5 | 2116-3 | 2459-1 | 3500-5 | 1630-3 | 2164-1 | 3510-5 | 1401-3 | 2177-1 |
| .09 | 6019-4 | 1163-4 | 6824-3 | 5667-1 | 8280-5 | 4479-3 | 4041-1 | 6519-5 | 3415-3 | 3188-1 | 5300-5 | 2675-3 | 2607-1 | 4480-5 | 2048-3 | 2235-1 |
| .10 | 1190-3 | 1656-4 | 9838-3 | 6536-1 | 1047-4 | 5258-3 | 4130-1 | 8570-5 | 4422-3 | 3410-1 | 7280-5 | 3642-3 | 2902-1 | 6110-5 | 2700-3 | 2483-1 |
| .11 | 1826-2 | 4041-4 | 2163-2 | 1318 0 | 1723-4 | 8486-3 | 5609-1 | 1355-4 | 5398-3 | 4440-1 | 1069-4 | 4261-3 | 3542-1 | 7990-5 | 3275-3 | 2707-1 |
| .12 | 2950-3 | 4684-4 | 2323-2 | 1284 0 | 2104-4 | 6549-3 | 5770-1 | 1742-4 | 6661-3 | 4770-1 | 1384-4 | 5236-3 | 3854-1 | 9910-5 | 3813-3 | 2821-1 |
| .13 | 9793-3 | 3487-4 | 1687-2 | 6145-1 | 2472-4 | 1021-2 | 5765-1 | 2186-4 | 8639-3 | 5138-1 | 1694-4 | 6143-3 | 4020-1 | 1173-4 | 4406-3 | 2834-1 |
| .14 | 1742-2 | 5976-4 | 2535-2 | 1203 0 | 3536-4 | 1560-2 | 7105-1 | 2619-4 | 1041-2 | 5271-1 | 1908-4 | 6939-3 | 3905-1 | 1388-4 | 4965-3 | 2898-1 |
| .15 | 3569-3 | 1243-3 | 5132-2 | 2182 0 | 4730-4 | 1883-2 | 8287-1 | 2987-4 | 1072-2 | 5251-1 | 2062-4 | 7296-3 | 3664-1 | 1617-4 | 5339-3 | 2942-1 |
| .16 | 6147-3 | 4772-4 | 1783-2 | 7359-1 | 3680-4 | 1305-2 | 5670-1 | 3009-4 | 9474-3 | 4671-1 | 2332-4 | 7255-3 | 3636-1 | 1838-4 | 5519-3 | 2941-1 |
| .17 | 1072-2 | 8033-4 | 2610-2 | 1097 0 | 4626-4 | 1485-2 | 6323-1 | 3309-4 | 9520-3 | 4528-1 | 2652-4 | 7137-3 | 3661-1 | 2059-4 | 5545-3 | 2917-1 |
| .18 | 2843-2 | 9791-4 | 3336-2 | 1193 0 | 5419-4 | 1612-2 | 6609-1 | 3699-4 | 1147-2 | 4522-1 | 2876-4 | 8082-3 | 3544-1 | 2407-4 | 6179-3 | 3057-1 |
| .19 | 2919-2 | 1032-3 | 3258-2 | 1129 0 | 6060-4 | 1780-2 | 6630-1 | 4657-4 | 1274-2 | 5099-1 | 3605-4 | 9046-3 | 3988-1 | 2799-4 | 6949-3 | 3200-1 |
| .20 | 1683-2 | 5981-4 | 1863-2 | 5904-1 | 5719-4 | 1613-2 | 5670-1 | 5013-4 | 1338-2 | 4981-1 | 4141-4 | 1011-2 | 4134-1 | 3183-4 | 7601-3 | 3286-1 |
| .22 | 8838-4 | 8341-4 | 2226-2 | 6803-1 | 6524-4 | 1666-2 | 5314-1 | 5689-4 | 1376-2 | 4677-1 | 4955-4 | 1099-2 | 4117-1 | 3921-4 | 8756-3 | 3397-1 |
| .24 | 6048-3 | 8802-4 | 2232-2 | 6032-1 | 6828-4 | 1596-2 | 4685-1 | 6119-4 | 1327-2 | 4218-1 | 5870-4 | 1175-2 | 4071-1 | 4661-4 | 9908-3 | 3420-1 |
| .26 | 2951-2 | 1266-3 | 3024-2 | 7393-1 | 1178-3 | 2432-2 | 6879-1 | 9806-4 | 2011-2 | 5747-1 | 7395-4 | 1498-2 | 4383-1 | 5375-4 | 1104-2 | 3359-1 |
| .28 | 4100-2 | 2555-3 | 5550-2 | 1287 0 | 1716-3 | 3469-2 | 8627-1 | 1257-3 | 2472-2 | 6352-1 | 9157-4 | 1786-2 | 4681-1 | 5964-4 | 1189-2 | 3225-1 |
| .30 | 5212-3 | 1691-3 | 3336-2 | 7421-1 | 1497-3 | 2822-2 | 6571-1 | 1330-3 | 2442-2 | 5839-1 | 1029-3 | 1906-2 | 4585-1 | 6631-4 | 1247-2 | 3065-1 |
| .32 | 3177-2 | 3907-3 | 7629-2 | 1506 0 | 2104-3 | 3920-2 | 8133-1 | 1534-3 | 2703-2 | 5925-1 | 1116-3 | 1957-2 | 4370-1 | 7300-4 | 1287-2 | 2959-1 |
| .34 | 9557-3 | 2041-3 | 3353-2 | 6973-1 | 1795-3 | 2836-2 | 6129-1 | 1513-3 | 2426-2 | 5175-1 | 1181-3 | 1943-2 | 4106-1 | 8016-4 | 1388-2 | 2910-1 |
| .36 | 1302-2 | 3674-3 | 6380-2 | 1119 0 | 2053-3 | 3595-2 | 6262-1 | 1720-3 | 2701-2 | 5257-1 | 1344-3 | 2173-2 | 4161-1 | 9070-4 | 1541-2 | 2909-1 |
| .38 | 1540-2 | 3065-3 | 4845-2 | 8381-1 | 2375-3 | 3592-2 | 6488-1 | 1877-3 | 2860-2 | 5156-1 | 1487-3 | 2306-2 | 4129-1 | 1011-3 | 1655-2 | 2900-1 |
| .40 | 3692-2 | 4478-3 | 6474-2 | 1104 0 | 3180-3 | 4573-2 | 7847-1 | 2309-3 | 3079-2 | 5725-1 | 1615-3 | 2367-2 | 4047-1 | 1112-3 | 1725-2 | 2892-1 |
| .42 | 5028-2 | 6454-3 | 9361-2 | 1444 0 | 4194-3 | 5793-2 | 9385-1 | 2684-3 | 3592-2 | 6036-1 | 1821-3 | 2425-2 | 4149-1 | 1203-3 | 1757-2 | 2878-1 |
| .44 | 6766-2 | 7220-3 | 1036-1 | 1472 0 | 4676-3 | 6884-2 | 9530-1 | 3012-3 | 4440-2 | 6161-1 | 1984-3 | 2834-2 | 4106-1 | 1304-3 | 1934-2 | 2797-1 |
| .46 | 8161-2 | 8902-3 | 1202-1 | 1660 0 | 4483-3 | 5991-2 | 8383-1 | 3185-3 | 4311-2 | 5974-1 | 2201-3 | 3016-2 | 4170-1 | 1459-3 | 2099-2 | 2872-1 |
| .48 | 5647-4 | 4486-3 | 5606-2 | 7687-1 | 3711-3 | 4852-2 | 6357-1 | 3067-3 | 3962-2 | 5281-1 | 2389-3 | 3006-2 | 4162-1 | 1589-3 | 2219-2 | 2894-1 |
| .50 | 1333-3 | 4698-3 | 6557-2 | 7420-1 | 3966-3 | 4895-2 | 6267-1 | 3233-3 | 4002-2 | 5138-1 | 2530-3 | 2971-2 | 4079-1 | 1693-3 | 2292-2 | 2868-1 |
| .55 | 5589-2 | 6069-3 | 6951-2 | 7920-1 | 4599-3 | 5061-2 | 6006-1 | 3600-3 | 4170-2 | 4717-1 | 2670-3 | 3317-2 | 3562-1 | 1909-3 | 2355-2 | 2702-1 |
| .60 | 5448-2 | 8349-3 | 9075-2 | 9156-1 | 6436-3 | 7184-2 | 7061-1 | 4831-3 | 5303-2 | 5331-1 | 3322-3 | 3567-2 | 3738-1 | 2305-3 | 2206-2 | 2714-1 |
| .65 | 7038-2 | 1002-2 | 9409-2 | 9363-1 | 6689-3 | 6613-2 | 6254-1 | 5551-3 | 4993-2 | 5209-1 | 4254-3 | 3761-2 | 4041-1 | 2840-3 | 2751-2 | 2823-1 |
| .70 | 5144-2 | 9400-3 | 8156-2 | 7573-1 | 7340-3 | 6164-2 | 5918-1 | 6252-3 | 5374-2 | 5061-1 | 4901-3 | 4386-2 | 4024-1 | 3273-3 | 3197-2 | 2827-1 |

| | | | | | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2.75 | 5693-2 | 8349-3 | 6605-2 | 5859-1 | 7577-3 | 6126-2 | 5322-1 | 6582-3 | 5496-2 | 4641-1 | 5279-3 | 4629-2 | 3783-1 | 3639-3 | 3463-2 | 2737-1 |
| .80 | 3374-2 | 8374-3 | 6206-2 | 5165-1 | 7681-3 | 5849-2 | 4738-1 | 6756-3 | 5363-2 | 4189-1 | 5502-3 | 4648-2 | 3464-1 | 3943-3 | 3586-2 | 2625-1 |
| .85 | 5983-3 | 8485-3 | 5857-2 | 4636-1 | 7830-3 | 5528-2 | 4280-1 | 6939-3 | 5137-2 | 3808-1 | 5694-3 | 4543-2 | 3164-1 | 4227-3 | 3601-2 | 2491-1 |
| .90 | 1030-2 | 8815-3 | 5779-2 | 4296-1 | 8136-3 | 5456-2 | 3967-1 | 7215-3 | 5005-2 | 3530-1 | 5927-3 | 4384-2 | 2932-1 | 4507-3 | 3554-2 | 2355-1 |
| .95 | 3038-2 | 9362-3 | 5792-2 | 4095-1 | 8609-3 | 5456-2 | 3767-1 | 7609-3 | 4990-2 | 3341-1 | 6243-3 | 4331-2 | 2768-1 | 4778-3 | 3448-2 | 2227-1 |
| 1.00 | 8579-2 | 1447-2 | 9070-2 | 5713-1 | 1064-3 | 6359-2 | 4202-1 | 8083-3 | 4954-2 | 3202-1 | 6632-3 | 4307-2 | 2654-1 | 5027-3 | 3340-2 | 2127-1 |
| 1.05 | 1214-1 | 2239-2 | 1348-1 | 8018-1 | 1465-2 | 6921-2 | 5252-1 | 1049-2 | 6118-2 | 3773-1 | 7067-3 | 4415-2 | 2563-1 | 5251-3 | 3323-2 | 2035-1 |
| 1.10 | 1104-1 | 2727-2 | 1549-1 | 8898-1 | 1867-2 | 1073-1 | 6097-1 | 1263-2 | 7210-2 | 4139-1 | 8193-3 | 4763-2 | 2726-1 | 5697-3 | 3364-2 | 1943-1 |
| 1.15 | 9000-3 | 3227-2 | 1764-1 | 9634-1 | 2029-2 | 1133-1 | 6064-1 | 1385-2 | 7860-2 | 4156-1 | 9251-3 | 5037-2 | 2812-1 | 6478-3 | 3487-2 | 2024-1 |
| 1.20 | 1014-1 | 2612-2 | 1421-1 | 7160-1 | 1985-2 | 1083-1 | 5448-1 | 1392-2 | 7563-2 | 3835-1 | 1018-2 | 5290-2 | 2841-1 | 7176-3 | 3509-2 | 2098-1 |
| 1.25 | 2219-4 | 2446-2 | 1228-1 | 6181-1 | 1830-2 | 9195-2 | 4628-1 | 1383-2 | 7166-2 | 3516-1 | 1093-2 | 5404-2 | 2825-1 | 7790-3 | 3443-2 | 2130-1 |
| 1.30 | 7481-2 | 1996-2 | 1021-1 | 4663-1 | 1674-2 | 8536-2 | 3916-1 | 1444-2 | 7173-2 | 3397-1 | 1147-2 | 5468-2 | 2752-1 | 8324-3 | 3624-2 | 2132-1 |
| 1.35 | 6850-2 | 1889-2 | 9277-2 | 4093-1 | 1709-2 | 8142-2 | 3707-1 | 1479-2 | 6905-2 | 3226-1 | 1178-2 | 5419-2 | 2629-1 | 8783-3 | 3855-2 | 2109-1 |
| 1.40 | 4601-2 | 1907-2 | 8484-2 | 3841-1 | 1724-2 | 7703-2 | 3476-1 | 1492-2 | 6835-2 | 3022-1 | 1190-2 | 5665-2 | 2471-1 | 9175-3 | 4078-2 | 2069-1 |
| 1.45 | 1164-2 | 1920-2 | 8429-2 | 3605-1 | 1735-2 | 7797-2 | 3261-1 | 1500-2 | 6972-2 | 2828-1 | 1200-2 | 5837-2 | 2329-1 | 9505-3 | 4259-2 | 2014-1 |
| 1.50 | 1411-2 | 1916-2 | 8351-2 | 3363-1 | 1735-2 | 7766-2 | 3048-1 | 1502-2 | 6995-2 | 2652-1 | 1227-2 | 5919-2 | 2228-1 | 9781-3 | 4384-2 | 1953-1 |
| 1.55 | 2537-2 | 1894-2 | 8166-2 | 3113-1 | 1718-2 | 7632-2 | 2825-1 | 1490-2 | 6922-2 | 2466-1 | 1248-2 | 5926-2 | 2123-1 | 1000-2 | 4457-2 | 1864-1 |
| 1.60 | 2733-2 | 1861-2 | 7962-2 | 2870-1 | 1689-2 | 7431-2 | 2607-1 | 1467-2 | 6781-2 | 2276-1 | 1266-2 | 5865-2 | 2017-1 | 1019-2 | 4485-2 | 1812-1 |
| 1.65 | 2887-2 | 1970-2 | 7834-2 | 2857-1 | 1653-2 | 7306-2 | 2400-1 | 1440-2 | 6600-2 | 2101-1 | 1282-2 | 5757-2 | 1914-1 | 1036-2 | 4476-2 | 1740-1 |
| 1.70 | 5634-2 | 1799-2 | 7656-2 | 2458-1 | 1613-2 | 7175-2 | 2205-1 | 1451-2 | 6521-2 | 1995-1 | 1295-2 | 5616-2 | 1815-1 | 1050-2 | 4430-2 | 1666-1 |
| 1.75 | 5123-2 | 1947-2 | 7437-2 | 2510-1 | 1589-2 | 7003-2 | 2024-1 | 1460-2 | 6405-2 | 1895-1 | 1306-2 | 5529-2 | 1727-1 | 1063-2 | 4365-2 | 1595-1 |
| 1.80 | 2735-2 | 2139-2 | 7536-2 | 2606-1 | 1665-2 | 6804-2 | 2031-1 | 1469-2 | 6257-2 | 1801-1 | 1317-2 | 5449-2 | 1646-1 | 1074-2 | 4275-2 | 1525-1 |
| 1.85 | 3221-2 | 2264-2 | 7773-2 | 2612-1 | 1770-2 | 6578-2 | 2043-1 | 1483-2 | 6088-2 | 1713-1 | 1325-2 | 5346-2 | 1571-1 | 1084-2 | 4170-2 | 1457-1 |
| 1.90 | 8189-2 | 2616-2 | 8819-2 | 2860-1 | 1819-2 | 6342-2 | 1991-1 | 1505-2 | 5893-2 | 1652-1 | 1338-2 | 5216-2 | 1499-1 | 1092-2 | 4230-2 | 1392-1 |
| 1.95 | 3122-3 | 2946-2 | 9449-2 | 3059-1 | 1828-2 | 6529-2 | 1900-1 | 1527-2 | 5699-2 | 1594-1 | 1358-2 | 5105-2 | 1431-1 | 1098-2 | 4322-2 | 1329-1 |
| 2.00 | 9312-2 | 3008-2 | 9558-2 | 2969-1 | 1863-2 | 6663-2 | 1841-1 | 1546-2 | 5606-2 | 1538-1 | 1378-2 | 5168-2 | 1382-1 | 1106-2 | 4403-2 | 1269-1 |
| 2.05 | 4797-2 | 2368-2 | 6845-2 | 1931-1 | 2066-2 | 6006-2 | 1687-1 | 1700-2 | 5743-2 | 1395-1 | 1438-2 | 5337-2 | 1211-1 | 1162-2 | 4638-2 | 1051-1 |
| 2.10 | 2628-2 | 2267-2 | 7035-2 | 1553-1 | 1967-2 | 6369-2 | 1350-1 | 1630-2 | 5786-2 | 1129-1 | 1458-2 | 5412-2 | 1040-1 | 1189-2 | 4761-2 | 9114-2 |
| 2.15 | 4311-2 | 2206-2 | 6125-2 | 1288-1 | 2003-2 | 5932-2 | 1171-1 | 1744-2 | 5721-2 | 1027-1 | 1435-2 | 5392-2 | 8799-2 | 1186-2 | 4810-2 | 8032-2 |
| 2.20 | 2121-2 | 2156-2 | 5870-2 | 1085-1 | 1971-2 | 5746-2 | 9938-2 | 1734-2 | 5568-2 | 8815-2 | 1422-2 | 5297-2 | 7463-2 | 1159-2 | 4800-2 | 6988-2 |
| 3.00 | 1577-2 | 1996-2 | 5596-2 | 8759-2 | 1833-2 | 5505-2 | 8051-2 | 1623-2 | 5369-2 | 7158-2 | 1347-2 | 5153-2 | 6174-2 | 1114-2 | 4746-2 | 6047-2 |
| 3.20 | 1480-2 | 1881-2 | 5304-2 | 7255-2 | 1627-2 | 5243-2 | 6283-2 | 1458-2 | 5148-2 | 5677-2 | 1231-2 | 4984-2 | 4980-2 | 1059-2 | 4664-2 | 5219-2 |
| 3.40 | 3169-2 | 1838-2 | 5021-2 | 6278-2 | 1375-2 | 4987-2 | 4708-2 | 1255-2 | 4927-2 | 4337-2 | 1109-2 | 4813-2 | 4091-2 | 9990-3 | 4568-2 | 4511-2 |
| 3.60 | 2161-2 | 1690-2 | 4765-2 | 5149-2 | 1277-2 | 4750-2 | 3894-2 | 1152-2 | 4719-2 | 3543-2 | 1038-2 | 4647-2 | 3371-2 | 9366-3 | 4467-2 | 4064-2 |
| 3.80 | 5685-3 | 1427-2 | 4541-2 | 3903-2 | 1238-2 | 4541-2 | 3394-2 | 1141-2 | 4531-2 | 3169-2 | 1048-2 | 4492-2 | 2987-2 | 9360-3 | 4366-2 | 3751-2 |
| 4.00 | 1838-2 | 1264-2 | 4349-2 | 3120-2 | 1202-2 | 4360-2 | 2969-2 | 1117-2 | 4365-2 | 2809-2 | 1054-2 | 4352-2 | 2705-2 | 9476-3 | 4270-2 | 3474-2 |
| 4.50 | 5486-3 | 1162-2 | 3991-2 | 2265-2 | 1140-2 | 4015-2 | 2232-2 | 1109-2 | 4042-2 | 2204-2 | 1059-2 | 4067-2 | 2174-2 | 9684-3 | 4058-2 | 2914-2 |
| 5.00 | 3093-3 | 1140-2 | 3759-2 | 1800-2 | 1124-2 | 3786-2 | 1783-2 | 1099-2 | 3820-2 | 1778-2 | 1059-2 | 3861-2 | 1787-2 | 9822-3 | 3891-2 | 2501-2 |



Σ υ ν ι σ τ ῶ σ α

86-1V

(VERT)

Διαγράμματα διορθωμένης εδαφικής:

- Επιτάχυνσης (cm sec^{-2})
- Ταχύτητας (cm sec^{-1})
- Μετακίνησης (cm)

Πίνακας τιμών αδιόρθωτης και διορθωμένης εδαφικής:

- Επιτάχυνσης ($10^{-3} \text{ x cm sec}^{-2}$)

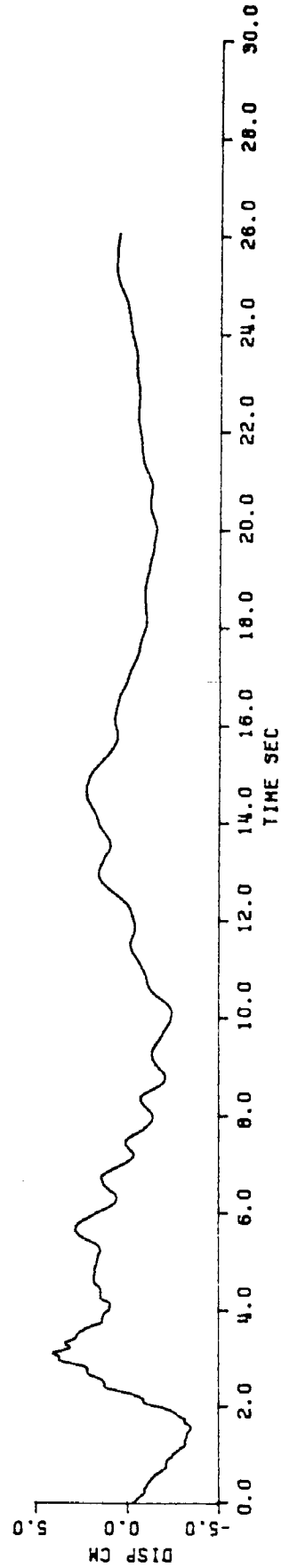
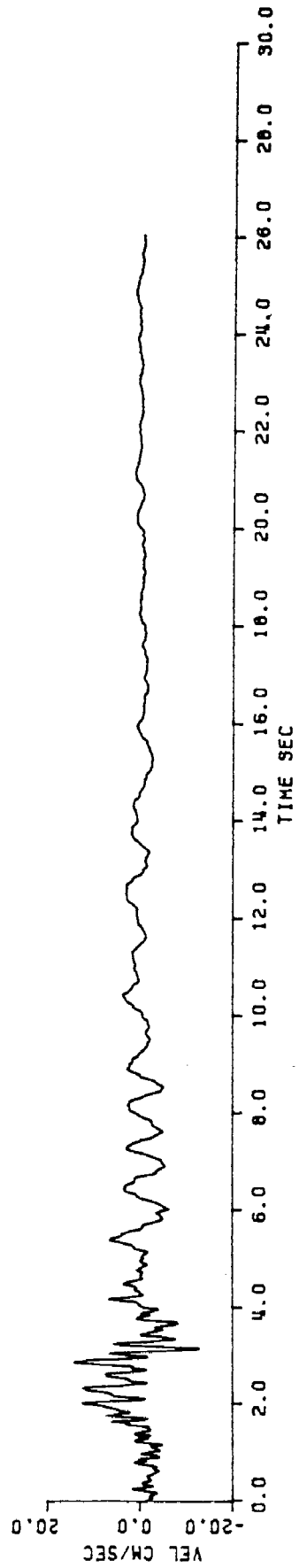
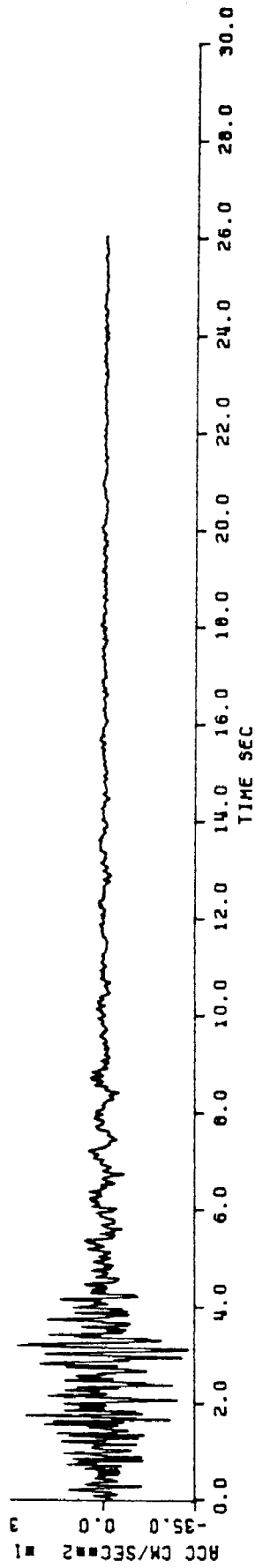
Διαγράμματα πραγματικών φασμάτων σε λογαριθμικές-κανονικές κλίμακες:

- Fourier
- Σχετικών Μετακινήσεων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$
- Σχετικών Ταχυτήτων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$
- Ολικών Επιταχύνσεων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$

Πίνακας φασματικών τιμών για περίοδο χωρίς απόσβεση:

$T=0.05, 0.06, 0.07, 0.08, \dots, 4.0, 4.5, 5.0$ (sec) των προηγούμενων διαγραμμάτων.

Διαγράμματα ψευδοφασμάτων σε τετραλογαριθμικές κλίμακες για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$.



COMPONENT/IDENTIFIC., 86-1V
EARTHQUAKE
KALAHATA
M L = 5.5
13-9-86
NUMBER OF ACC VALUES=1627
EPICENTER 37.10 N, 22.19 E
ALLUVIUM, OTE
EPICENTER INTENSITY X

ACCELERATION VALUE (CM*(SEC-2)) = VALUE/1000.
TIME VALUE (SEC) = VALUE/1000.

| ACCELERATION PEAK VALUE = 369.43 CM*(SEC-2) | | | | | | | | | | AT TIME = 3.198 SEC | | | | | | | | | |
|---------------------------------------------|------|---------|------|---------|------|---------|------|---------|------|---------------------|------|---------|------|---------|------|---------|------|---------|------|
| 166 | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME |
| 0 | 0 | 0 | 6 | 42455 | 16 | 34415 | 21 | 37095 | 24 | 31734 | 32 | 8308 | 32 | 31734 | 32 | 8308 | | | |
| 39 | 39 | -402 | 44 | 8308 | 47 | 17019 | 51 | 27097 | 69 | 13723 | 77 | 23774 | 77 | 13723 | 77 | 23774 | | | |
| 98 | 98 | 69366 | 103 | 79417 | 109 | 73386 | 121 | 66042 | 138 | -11659 | 138 | -16349 | 138 | -11659 | 138 | -16349 | | | |
| 140 | 140 | -21710 | 141 | -27741 | 145 | -21710 | 155 | 16510 | 162 | 28572 | 172 | 18520 | 172 | 28572 | 172 | 18520 | | | |
| 182 | 182 | 32619 | 197 | 19914 | 210 | 168671 | 212 | 178722 | 220 | 170038 | 225 | 149935 | 225 | 170038 | 225 | 149935 | | | |
| 230 | 230 | 146585 | 235 | 161997 | 238 | 155966 | 240 | 150606 | 252 | 89656 | 252 | 82285 | 252 | 89656 | 252 | 82285 | | | |
| 254 | 254 | 81615 | 259 | 74244 | 262 | 79631 | 265 | 72930 | 265 | 65560 | 287 | -55696 | 287 | 65560 | 287 | -55696 | | | |
| 292 | 292 | -77139 | 293 | -100591 | 295 | -103942 | 300 | -108632 | 303 | -113966 | 305 | -103915 | 305 | -113966 | 305 | -103915 | | | |
| 308 | 308 | -85823 | 310 | -75102 | 337 | 119246 | 339 | 123266 | 341 | 134658 | 344 | 128627 | 344 | 134658 | 344 | 128627 | | | |
| 349 | 349 | 121283 | 352 | 92470 | 360 | 79738 | 370 | 97187 | 375 | 89146 | 375 | 83786 | 375 | 89146 | 375 | 83786 | | | |
| 394 | 394 | 22836 | 399 | 12114 | 404 | 2733 | 409 | -5977 | 415 | -17341 | 422 | -26722 | 422 | -17341 | 422 | -26722 | | | |
| 432 | 432 | 14178 | 439 | 23559 | 447 | 14848 | 452 | 24899 | 466 | 77862 | 473 | 88583 | 473 | 77862 | 473 | 88583 | | | |
| 476 | 476 | 79229 | 491 | 47066 | 491 | 41705 | 499 | 39722 | 512 | 43742 | 516 | 58510 | 516 | 43742 | 516 | 58510 | | | |
| 519 | 519 | 63201 | 529 | 56500 | 532 | 47789 | 540 | 3591 | 540 | -1098 | 548 | -15840 | 548 | -1098 | 548 | -15840 | | | |
| 555 | 555 | -5119 | 569 | 49183 | 574 | 59904 | 579 | 47173 | 590 | -3725 | 593 | -7746 | 593 | -3725 | 593 | -7746 | | | |
| 593 | 593 | -11096 | 598 | -18467 | 603 | -5038 | 614 | 63978 | 617 | 81400 | 619 | 72689 | 619 | 81400 | 619 | 72689 | | | |
| 625 | 625 | 57974 | 631 | -321 | 636 | -12382 | 639 | -19753 | 639 | -24444 | 643 | -15036 | 643 | -24444 | 643 | -15036 | | | |
| 661 | 661 | 116298 | 664 | 128359 | 669 | 120345 | 669 | 108954 | 680 | 59368 | 683 | 52667 | 683 | 59368 | 683 | 52667 | | | |
| 683 | 683 | 47307 | 688 | 38623 | 693 | 53364 | 697 | 80837 | 702 | 69446 | 711 | -17636 | 711 | 69446 | 711 | -17636 | | | |
| 714 | 714 | -27017 | 717 | -37068 | 722 | -17636 | 731 | 38676 | 733 | 52748 | 735 | 64139 | 735 | 52748 | 735 | 64139 | | | |
| 740 | 740 | 92282 | 751 | 190783 | 753 | 204212 | 755 | 194160 | 767 | 86278 | 773 | 63523 | 773 | 86278 | 773 | 63523 | | | |
| 781 | 781 | 47441 | 783 | 68213 | 792 | 123159 | 799 | 132567 | 800 | 124526 | 805 | 105764 | 805 | 124526 | 805 | 105764 | | | |
| 829 | 829 | -96571 | 829 | -110642 | 834 | -125357 | 839 | -113296 | 852 | 158084 | 857 | 164784 | 857 | 158084 | 857 | 164784 | | | |
| 857 | 857 | 159424 | 864 | 148729 | 899 | -103164 | 899 | -116566 | 902 | -125277 | 907 | -132648 | 907 | -125277 | 907 | -132648 | | | |
| 912 | 912 | -117906 | 925 | 6084 | 932 | 28866 | 937 | 50309 | 939 | 65720 | 946 | 77809 | 946 | 65720 | 946 | 77809 | | | |
| 954 | 954 | 68428 | 961 | 85179 | 964 | 101931 | 968 | 152884 | 975 | 174996 | 982 | 165615 | 982 | 174996 | 982 | 165615 | | | |
| 993 | 993 | 144870 | 993 | 122757 | 1008 | -16591 | 1016 | -36693 | 1016 | -40713 | 1019 | -46074 | 1019 | -40713 | 1019 | -46074 | | | |
| 1034 | 1034 | -57438 | 1037 | -46047 | 1041 | -31305 | 1059 | -54731 | 1074 | 120184 | 1076 | 124875 | 1076 | 120184 | 1076 | 124875 | | | |
| 1085 | 1085 | 59207 | 1085 | 55857 | 1088 | 43796 | 1090 | 55187 | 1100 | 97428 | 1102 | 105469 | 1102 | 97428 | 1102 | 105469 | | | |
| 1109 | 1109 | 98098 | 1115 | 70652 | 1125 | 61941 | 1130 | 67972 | 1135 | 63308 | 1138 | 57278 | 1138 | 63308 | 1138 | 57278 | | | |
| 1143 | 1143 | 49237 | 1146 | 40526 | 1149 | 25114 | 1158 | -65318 | 1158 | -75370 | 1161 | -86761 | 1161 | -75370 | 1161 | -86761 | | | |
| 1166 | 1166 | -98152 | 1168 | -84751 | 1173 | -70009 | 1175 | -35165 | 1187 | 102226 | 1189 | 127019 | 1189 | 102226 | 1189 | 127019 | | | |
| 1199 | 1199 | 151838 | 1201 | 173951 | 1206 | 182662 | 1216 | 202764 | 1221 | 190730 | 1229 | 175988 | 1229 | 190730 | 1229 | 175988 | | | |
| 1244 | 1244 | 55401 | 1244 | 38649 | 1247 | 33289 | 1254 | 25918 | 1257 | 21227 | 1264 | 32646 | 1264 | 21227 | 1264 | 32646 | | | |
| 1269 | 1269 | 27285 | 1274 | 19244 | 1277 | 10533 | 1289 | -83250 | 1289 | -91961 | 1294 | -104692 | 1294 | -91961 | 1294 | -104692 | | | |
| 1296 | 1296 | -88610 | 1324 | 186146 | 1327 | 194884 | 1329 | 187513 | 1332 | 174782 | 1353 | -126054 | 1353 | 174782 | 1353 | -126054 | | | |
| 1360 | 1360 | -148837 | 1362 | -116673 | 1382 | 225091 | 1384 | 232462 | 1389 | 224421 | 1394 | 206356 | 1394 | 224421 | 1394 | 206356 | | | |
| 1414 | 1414 | -22112 | 1419 | -26132 | 1422 | -44224 | 1431 | 670 | 670 | -65640 | 1470 | 37577 | 1470 | -65640 | 1470 | 37577 | | | |
| 1475 | 1475 | 41625 | 1486 | 26883 | 1493 | 40284 | 1503 | 73145 | 1507 | 85206 | 1520 | 77192 | 1520 | 85206 | 1520 | 77192 | | | |
| 1528 | 1528 | 66471 | 1531 | 50389 | 1536 | 8844 | 1539 | -5869 | 1547 | -17261 | 1547 | -27312 | 1547 | -17261 | 1547 | -27312 | | | |

| | | | | | | | | | | | | |
|------|---------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|
| 167 | 1565 | 263527 | 1575 | 253475 | 1598 | -33289 | 1605 | -50014 | 1635 | 260927 | 1640 | 248195 |
| 1669 | -230854 | -226163 | 1676 | -226163 | 1705 | 19780 | 1707 | 31171 | 1717 | 9086 | 1742 | 322708 |
| 1749 | 334769 | 323404 | 1757 | 323404 | 1791 | -179767 | 1806 | 5843 | 1808 | 15894 | 1813 | 3832 |
| 1824 | -45055 | -64488 | 1827 | -64488 | 1834 | -50416 | 1837 | -41678 | 1841 | -22916 | 1865 | 223027 |
| 1863 | 42134 | 56722 | 1893 | 42134 | 1898 | 40124 | 1917 | 91076 | 1922 | 108525 | 1937 | 140018 |
| 1937 | 134658 | 54946 | 1953 | 54946 | 1959 | 36854 | 1966 | 26829 | 1969 | 42911 | 1986 | 174273 |
| 1991 | 198395 | 190354 | 1994 | 190354 | 2004 | 163551 | 2010 | 140126 | 2018 | 69098 | 2024 | 60387 |
| 2029 | 49022 | 40311 | 2032 | 40311 | 2037 | 18869 | 2055 | -135891 | 2066 | -198878 | 2074 | -249107 |
| 2080 | -257818 | -259158 | 2080 | -259158 | 2084 | -240396 | 2086 | -190810 | 2094 | -88262 | 2101 | -66149 |
| 2109 | -57438 | -35299 | 2118 | -35299 | 2149 | 228736 | 2156 | 247498 | 2161 | 244175 | 2164 | 235464 |
| 2169 | 220722 | 207991 | 2174 | 207991 | 2188 | 29778 | 2190 | 22407 | 2198 | 13053 | 2203 | 26454 |
| 2215 | 77380 | 72716 | 2225 | 72716 | 2235 | 78747 | 2240 | 70036 | 2250 | 61352 | 2252 | 69392 |
| 2255 | 82124 | 96866 | 2257 | 96866 | 2280 | 194053 | 2286 | 184029 | 2291 | 164597 | 2304 | 23238 |
| 2312 | -2224 | -18976 | 2312 | -18976 | 2314 | -22996 | 2322 | -5574 | 2326 | 35996 | 2342 | 138517 |
| 2344 | 149909 | 137177 | 2347 | 137177 | 2350 | 111741 | 2376 | -236000 | 2382 | -259453 | 2405 | -40981 |
| 2408 | -38301 | -83169 | 2426 | -83169 | 2432 | -100564 | 2442 | -107265 | 2444 | -84483 | 2470 | 151410 |
| 2482 | 176899 | 187621 | 2484 | 187621 | 2495 | 175559 | 2498 | 142752 | 2515 | -8014 | 2523 | -27419 |
| 2534 | 95874 | 115333 | 2541 | 115333 | 2543 | 124714 | 2553 | 124714 | 2561 | 139482 | 2563 | 153554 |
| 2573 | 146183 | 134792 | 2578 | 134792 | 2586 | 118737 | 2591 | 107346 | 2611 | 8201 | 2620 | 47736 |
| 2625 | 65184 | 50443 | 2633 | 50443 | 2641 | 24980 | 2661 | -121739 | 2669 | -135783 | 2673 | -122382 |
| 2695 | -48647 | -43956 | 2697 | -43956 | 2710 | -52641 | 2717 | -39909 | 2742 | 157789 | 2744 | 167170 |
| 2764 | 155805 | 5065 | 2774 | 5065 | 2777 | -9675 | 2785 | -26427 | 2789 | 11766 | 2815 | 293224 |
| 2828 | 273149 | 254387 | 2835 | 254387 | 2836 | 238975 | 2846 | 228951 | 2851 | 217559 | 2859 | 192793 |
| 2883 | -37685 | -65828 | 2894 | -65828 | 2901 | -47039 | 2908 | 7236 | 2918 | -1474 | 2921 | -22889 |
| 2945 | -252028 | -265430 | 2950 | -265430 | 2951 | -278161 | 2958 | -260069 | 3019 | 259319 | 3024 | 268030 |
| 3027 | 257978 | 235223 | 3040 | 235223 | 3090 | -208956 | 3093 | -223697 | 3101 | -239779 | 3108 | -237769 |
| 3127 | -302739 | 363395 | 3193 | 363395 | 3198 | 369425 | 3206 | 362081 | 3225 | 307832 | 3291 | -175211 |
| 3296 | -192633 | -157762 | 3306 | -157762 | 3322 | -89414 | 3327 | -72636 | 3337 | -81347 | 3353 | -123535 |
| 3369 | 128440 | 144521 | 3378 | 144521 | 3381 | 131790 | 3390 | 73520 | 3400 | 54088 | 3419 | 255137 |
| 3427 | 231685 | 562 | 3459 | 562 | 3462 | -10828 | 3464 | -19539 | 3467 | -28920 | 3472 | -40311 |
| 3480 | -25543 | 40821 | 3498 | 40821 | 3504 | 30769 | 3509 | 22728 | 3515 | -31547 | 3528 | -46932 |
| 3549 | 4020 | 25489 | 3559 | 25489 | 3561 | 44251 | 3578 | 103218 | 3585 | 124017 | 3595 | 115976 |
| 3615 | -28062 | -56849 | 3623 | -56849 | 3626 | -67570 | 3631 | -59529 | 3645 | -17287 | 3656 | -32029 |
| 3664 | -67543 | -50094 | 3671 | -50094 | 3680 | 37685 | 3684 | 57117 | 3687 | 69178 | 3705 | 29670 |
| 3729 | 229380 | 243478 | 3736 | 243478 | 3744 | 244148 | 3752 | 232087 | 3777 | 63281 | 3780 | 43849 |
| 3786 | 31118 | 19083 | 3798 | 19083 | 3803 | 25114 | 3821 | 7719 | 3829 | 12409 | 3829 | 348 |
| 3837 | -10345 | -52560 | 3842 | -52560 | 3843 | -59931 | 3845 | -73333 | 3852 | -55911 | 3871 | 153179 |
| 3879 | 167250 | -47789 | 3908 | -47789 | 3908 | -54490 | 3915 | -62531 | 3918 | -50470 | 3932 | 9193 |
| 3939 | 28625 | 13240 | 3947 | 13240 | 3955 | -17582 | 3963 | -31654 | 3968 | -20906 | 3992 | 148649 |
| 3997 | 165401 | 154010 | 4005 | 154010 | 4016 | 95740 | 4024 | 83008 | 4029 | 74324 | 4036 | 83705 |
| 4039 | 79015 | 67650 | 4049 | 67650 | 4060 | 30126 | 4070 | 18762 | 4077 | 31493 | 4089 | 79738 |
| 4102 | 68374 | 44948 | 4115 | 44948 | 4122 | 54999 | 4130 | 70411 | 4132 | 96544 | 4148 | 183680 |
| 4153 | 192391 | 209840 | 4162 | 209840 | 4165 | 199119 | 4173 | 181027 | 4173 | 164275 | 4200 | -50764 |
| 4210 | -80248 | -94319 | 4210 | -94319 | 4223 | -103003 | 4237 | -45377 | 4248 | -62102 | 4251 | -83544 |
| 4260 | -56741 | 82660 | 4280 | 82660 | 4285 | 96758 | 4300 | 77996 | 4308 | 54570 | 4309 | 45189 |
| 4327 | 25784 | 96169 | 4363 | 96169 | 4384 | 38569 | 4392 | 29215 | 4402 | 19164 | 4424 | 43313 |
| 4435 | 35969 | 43340 | 4442 | 43340 | 4444 | 64782 | 4451 | 94266 | 4461 | 111714 | 4469 | 104344 |
| 4479 | 113751 | 105711 | 4486 | 105711 | 4494 | 90299 | 4497 | 64863 | 4505 | 38060 | 4510 | 17287 |
| 4516 | 5896 | -2787 | 4526 | -2787 | 4536 | 1232 | 4551 | -16162 | 4571 | 2626 | 4592 | -22809 |
| 4599 | -8067 | 22782 | 4603 | 22782 | 4620 | 65667 | 4623 | 81079 | 4633 | 72394 | 4651 | 34897 |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8893 | 54302 | 8903 | 47628 | 8914 | 32217 | 8924 | 23533 | 8936 | 32244 | 8944 | 47682 |
| 8894 | 42321 | 8982 | 32297 | 8987 | 36344 | 8997 | 43715 | 9009 | 34361 | 9019 | 33021 |
| 9032 | 25007 | 9042 | 19646 | 9045 | 24337 | 9052 | 33074 | 9059 | 48486 | 9069 | 54517 |
| 9077 | 49853 | 9112 | 31118 | 9143 | 16430 | 9170 | 24497 | 9185 | 34575 | 9198 | 43286 |
| 9213 | 37282 | 9218 | 35942 | 9238 | 27258 | 9246 | 31305 | 9261 | 24605 | 9271 | 34012 |
| 9294 | 22648 | 9301 | 33369 | 9311 | 47468 | 9321 | 37417 | 9339 | 26722 | 9347 | 21361 |
| 9357 | 28759 | 9376 | 41517 | 9394 | 32163 | 9407 | 46235 | 9414 | 47602 | 9434 | 42938 |
| 9465 | 24873 | 9480 | 34951 | 9507 | 38328 | 9535 | 42375 | 9545 | 50443 | 9547 | 59154 |
| 9552 | 59154 | 9585 | 49826 | 9600 | 57197 | 9613 | 51863 | 9641 | 35808 | 9661 | 49237 |
| 9673 | 43233 | 9694 | 31868 | 9706 | 27848 | 9729 | 36586 | 9757 | 33289 | 9774 | 40686 |
| 9794 | 50738 | 9807 | 45404 | 9814 | 48754 | 9834 | 44090 | 9844 | 51488 | 9872 | 39454 |
| 9895 | 48861 | 9912 | 47548 | 9927 | 63657 | 9950 | 61003 | 9965 | 54999 | 9973 | 50309 |
| 9990 | 40955 | 10008 | 35621 | 10023 | 38971 | 10036 | 45029 | 10063 | 54436 | 10078 | 49103 |
| 10094 | 43769 | 10103 | 55830 | 10113 | 66551 | 10128 | 70599 | 10149 | 59904 | 10171 | 57921 |
| 10189 | 41866 | 10202 | 35192 | 10212 | 42563 | 10217 | 51944 | 10224 | 66042 | 10249 | 58028 |
| 10264 | 58725 | 10274 | 67436 | 10290 | 61432 | 10310 | 47387 | 10320 | 50068 | 10348 | 40740 |
| 10355 | 47441 | 10373 | 58859 | 10380 | 64890 | 10390 | 52855 | 10408 | 42134 | 10426 | 36130 |
| 10451 | 25436 | 10464 | 17421 | 10487 | 22139 | 10494 | 30180 | 10504 | 33557 | 10539 | 32940 |
| 10552 | 29590 | 10562 | 26266 | 10572 | 34307 | 10587 | 39695 | 10597 | 41705 | 10620 | 37041 |
| 10635 | 33718 | 10640 | 31707 | 10655 | 25034 | 10675 | 15679 | 10690 | 21737 | 10698 | 25087 |
| 10705 | 43849 | 10710 | 46556 | 10738 | 39882 | 10758 | 53311 | 10775 | 50657 | 10796 | 37282 |
| 10813 | 45323 | 10823 | 53391 | 10836 | 46690 | 10846 | 42697 | 10856 | 40016 | 10874 | 48754 |
| 10879 | 52105 | 10891 | 44761 | 10899 | 39400 | 10911 | 47468 | 10919 | 50148 | 10929 | 58216 |
| 10939 | 52855 | 10944 | 48191 | 10959 | 40150 | 10969 | 45538 | 10992 | 41544 | 10992 | 40874 |
| 11000 | 36854 | 11010 | 33530 | 11022 | 29510 | 11025 | 32860 | 11040 | 41598 | 11050 | 46315 |
| 11067 | 44975 | 11070 | 44305 | 11085 | 52373 | 11092 | 51729 | 11105 | 49049 | 11115 | 44385 |
| 11123 | 42375 | 11140 | 43742 | 11148 | 46422 | 11158 | 47789 | 11171 | 46449 | 11178 | 39105 |
| 11181 | 39775 | 11191 | 43775 | 11206 | 41812 | 11213 | 45833 | 11221 | 48540 | 11233 | 48540 |
| 11249 | 45886 | 11264 | 43903 | 11289 | 39239 | 11312 | 35245 | 11324 | 33235 | 11342 | 35272 |
| 11354 | 33959 | 11375 | 30635 | 11400 | 32672 | 11407 | 29992 | 11415 | 29349 | 11422 | 32699 |
| 11430 | 33369 | 11445 | 33396 | 11455 | 33423 | 11465 | 32083 | 11490 | 28759 | 11503 | 28116 |
| 11523 | 28813 | 11531 | 30823 | 11533 | 32163 | 11546 | 36210 | 11551 | 36880 | 11578 | 34227 |
| 11586 | 34254 | 11601 | 36264 | 11606 | 37631 | 11618 | 47682 | 11626 | 46369 | 11654 | 42375 |
| 11666 | 43715 | 11676 | 49103 | 11686 | 48433 | 11699 | 47789 | 11709 | 44439 | 11714 | 45136 |
| 11727 | 46476 | 11742 | 51193 | 11744 | 51193 | 11759 | 48540 | 11774 | 45886 | 11792 | 45886 |
| 11800 | 46583 | 11812 | 47253 | 11825 | 48620 | 11835 | 51300 | 11852 | 55348 | 11862 | 57385 |
| 11865 | 57385 | 11883 | 52721 | 11898 | 46020 | 11913 | 40686 | 11931 | 40713 | 11946 | 44090 |
| 11953 | 46771 | 11976 | 43447 | 11988 | 43474 | 12006 | 48164 | 12013 | 46851 | 12021 | 45511 |
| 12039 | 38837 | 12059 | 42214 | 12066 | 47575 | 12071 | 54302 | 12084 | 50282 | 12097 | 40928 |
| 12117 | 37604 | 12122 | 37604 | 12127 | 42965 | 12144 | 43662 | 12175 | 34977 | 12197 | 40365 |
| 12200 | 43742 | 12210 | 48433 | 12225 | 49799 | 12227 | 55160 | 12232 | 63201 | 12245 | 59207 |
| 12252 | 55857 | 12257 | 49826 | 12278 | 45833 | 12293 | 55911 | 12295 | 58591 | 12305 | 65292 |
| 12318 | 62638 | 12323 | 58618 | 12325 | 55267 | 12330 | 53954 | 12338 | 54624 | 12343 | 57304 |
| 12350 | 61352 | 12358 | 59341 | 12368 | 55321 | 12383 | 46637 | 12398 | 43983 | 12401 | 41973 |
| 12409 | 41303 | 12434 | 45377 | 12449 | 44707 | 12464 | 40043 | 12482 | 42080 | 12494 | 48781 |
| 12497 | 47441 | 12507 | 44117 | 12517 | 40767 | 12532 | 43474 | 12534 | 43474 | 12555 | 37470 |
| 12570 | 40847 | 12592 | 40204 | 12600 | 40874 | 12607 | 46261 | 12630 | 42268 | 12633 | 40928 |
| 12648 | 42965 | 12653 | 44305 | 12655 | 43635 | 12675 | 36961 | 12680 | 40311 | 12691 | 36988 |
| 12698 | 32967 | 12711 | 37014 | 12726 | 33664 | 12736 | 28330 | 12754 | 20986 | 12769 | 18306 |
| 12771 | 22326 | 12776 | 24363 | 12781 | 38435 | 12799 | 43822 | 12804 | 45163 | 12816 | 43849 |

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12621 | 35808 | 12832 | 29778 | 12839 | 27124 | 12844 | 28464 | 12852 | 27124 | 12867 | 20450 |
| 12670 | 19110 | 12880 | 15786 | 12895 | 15786 | 12907 | 20504 | 12920 | 28545 | 12925 | 31922 |
| 12940 | 32592 | 12950 | 34629 | 12957 | 36639 | 12975 | 46047 | 12992 | 40043 | 12995 | 38033 |
| 13030 | 30716 | 13045 | 28035 | 13066 | 28062 | 13068 | 31413 | 13078 | 38140 | 13083 | 39480 |
| 13095 | 43528 | 13098 | 43528 | 13113 | 44198 | 13133 | 52265 | 13161 | 49639 | 13171 | 43608 |
| 13184 | 39614 | 13204 | 36961 | 13206 | 40311 | 13216 | 42321 | 13247 | 33664 | 13269 | 38381 |
| 13272 | 39722 | 13287 | 39748 | 13307 | 37765 | 13330 | 34441 | 13350 | 33128 | 13365 | 38489 |
| 13372 | 44546 | 13400 | 56634 | 13422 | 56661 | 13453 | 56688 | 13465 | 49344 | 13480 | 56741 |
| 13490 | 54061 | 13526 | 56125 | 13556 | 52801 | 13589 | 50845 | 13609 | 57572 | 13629 | 60950 |
| 13641 | 56929 | 13646 | 52935 | 13654 | 49585 | 13667 | 46905 | 13677 | 49612 | 13692 | 50309 |
| 13719 | 44975 | 13732 | 42991 | 13752 | 39668 | 13778 | 35004 | 13783 | 37685 | 13798 | 39051 |
| 13805 | 44412 | 13813 | 45752 | 13848 | 45136 | 13855 | 41785 | 13866 | 38462 | 13886 | 30448 |
| 13888 | 29108 | 13921 | 32485 | 13954 | 33208 | 13961 | 29188 | 13966 | 27875 | 13971 | 34575 |
| 13991 | 37282 | 14004 | 41303 | 14016 | 52051 | 14021 | 52051 | 14042 | 46047 | 14054 | 40043 |
| 14059 | 42723 | 14097 | 43447 | 14117 | 44814 | 14132 | 46824 | 14145 | 45511 | 14157 | 46208 |
| 14205 | 42911 | 14218 | 44251 | 14258 | 52346 | 14276 | 47682 | 14298 | 43018 | 14306 | 41705 |
| 14344 | 36371 | 14346 | 37041 | 14366 | 42429 | 14381 | 43796 | 14404 | 43822 | 14414 | 37819 |
| 14439 | 30474 | 14442 | 29804 | 14450 | 26454 | 14467 | 21790 | 14475 | 23801 | 14490 | 33208 |
| 14507 | 34575 | 14512 | 37926 | 14532 | 42643 | 14545 | 44680 | 14557 | 48701 | 14590 | 36023 |
| 14598 | 33342 | 14615 | 34709 | 14641 | 33396 | 14681 | 35460 | 14699 | 38167 | 14741 | 38221 |
| 14812 | 42991 | 14829 | 43688 | 14872 | 33021 | 14885 | 34388 | 14912 | 43796 | 14937 | 42482 |
| 14963 | 35808 | 14998 | 29831 | 15013 | 31868 | 15043 | 33235 | 15056 | 38623 | 15088 | 40660 |
| 15119 | 34683 | 15149 | 42080 | 15159 | 44117 | 15179 | 44144 | 15204 | 39480 | 15245 | 36184 |
| 15247 | 38864 | 15252 | 44224 | 15290 | 46288 | 15310 | 46985 | 15322 | 43635 | 15353 | 39668 |
| 15355 | 41678 | 15365 | 46369 | 15395 | 49103 | 15408 | 49103 | 15425 | 50476 | 15443 | 46476 |
| 15468 | 37792 | 15474 | 37122 | 15486 | 43849 | 15493 | 47200 | 15516 | 51917 | 15524 | 53954 |
| 15569 | 46637 | 15579 | 43286 | 15592 | 41303 | 15609 | 35969 | 15619 | 37309 | 15629 | 44037 |
| 15644 | 52078 | 15654 | 54115 | 15690 | 59529 | 15740 | 51542 | 15743 | 48191 | 15765 | 40177 |
| 15790 | 47575 | 15815 | 51622 | 15868 | 44332 | 15899 | 45029 | 15901 | 50389 | 15964 | 40418 |
| 15982 | 38435 | 16009 | 35808 | 16060 | 32512 | 16078 | 29188 | 16098 | 35916 | 16113 | 39266 |
| 16165 | 38676 | 16185 | 44734 | 16208 | 38730 | 16231 | 40767 | 16259 | 38783 | 16284 | 46181 |
| 16301 | 48218 | 16357 | 37577 | 16369 | 40928 | 16442 | 38355 | 16480 | 43769 | 16523 | 45833 |
| 16528 | 46503 | 16560 | 42509 | 16571 | 37845 | 16619 | 28518 | 16629 | 30555 | 16659 | 38623 |
| 16676 | 44680 | 16684 | 48030 | 16734 | 34709 | 16737 | 36720 | 16742 | 40070 | 16762 | 43447 |
| 16787 | 49505 | 16822 | 44198 | 16855 | 46235 | 16872 | 51622 | 16892 | 52319 | 16933 | 44332 |
| 16973 | 33664 | 16996 | 34361 | 17003 | 40392 | 17034 | 42455 | 17064 | 37122 | 17079 | 37148 |
| 17086 | 37819 | 17117 | 43233 | 17157 | 43930 | 17184 | 40633 | 17225 | 43367 | 17278 | 40070 |
| 17305 | 40097 | 17340 | 43501 | 17355 | 50228 | 17376 | 51595 | 17401 | 48272 | 17424 | 40928 |
| 17436 | 39614 | 17476 | 47039 | 17491 | 47709 | 17509 | 46395 | 17554 | 49799 | 17579 | 46476 |
| 17595 | 39802 | 17610 | 39159 | 17645 | 41866 | 17665 | 37872 | 17695 | 33905 | 17710 | 35942 |
| 17723 | 31252 | 17738 | 37309 | 17751 | 49371 | 17773 | 44707 | 17801 | 37390 | 17821 | 38757 |
| 17849 | 42134 | 17876 | 45511 | 17909 | 49585 | 17922 | 48245 | 17934 | 40901 | 17960 | 34897 |
| 17970 | 35594 | 17982 | 38944 | 18005 | 47682 | 18012 | 54410 | 18032 | 55777 | 18083 | 48459 |
| 18085 | 48459 | 18098 | 41785 | 18111 | 39775 | 18120 | 47843 | 18130 | 47843 | 18156 | 43849 |
| 18158 | 43876 | 18176 | 45886 | 18196 | 49263 | 18211 | 45270 | 18224 | 46637 | 18277 | 39319 |
| 18299 | 36666 | 18329 | 39400 | 18344 | 41410 | 18377 | 40794 | 18390 | 46824 | 18410 | 41491 |
| 18448 | 45565 | 18468 | 43581 | 18536 | 34301 | 18548 | 34977 | 18569 | 31654 | 18571 | 39025 |
| 18604 | 45082 | 18619 | 50470 | 18646 | 47146 | 18651 | 43822 | 18669 | 37819 | 18677 | 35808 |
| 18714 | 38542 | 18722 | 41223 | 18755 | 41276 | 18785 | 35272 | 18807 | 41330 | 18835 | 45377 |
| 18860 | 42750 | 18883 | 37417 | 18926 | 40150 | 18951 | 48888 | 19006 | 36880 | 19029 | 40928 |

13-9-86
NUMBER OF ACC VALUES=2605

M L = 5.5

EARTHQUAKE
Epicenter Intensity X

COMPONENT/IDENTIFIC., 86-1V
Epicenter 37.10 N, 22.19 E
Alluvium, Ote

ACCELERATION VALUE (CM*(SEC-2)) = VALUE/1000.
TIME VALUE (SEC) = VALUE/100.

PEAK VALUES
AT TIME
ACCEL = -322.97 CM*(SEC-2) 3.11 SEC
VELOCITY = 14.21 CM*(SEC-1) 2.86 SEC
DISPLACEMENT = 4.02 CM 3.09 SEC

| 52 TIME | COR ACC | TIME | COR ACC | TIME | COR ACC | TIME | COR ACC | TIME | COR ACC | TIME | COR ACC |
|---------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|
| 0 | -11270 | 1 | -15590 | 2 | -27523 | 3 | -32026 | 4 | -26594 | 5 | -22039 |
| 6 | -20780 | 7 | -11896 | 8 | 9399 | 9 | 31164 | 10 | 34736 | 11 | 10330 |
| 12 | -29942 | 13 | -53796 | 14 | -41033 | 15 | -14603 | 16 | -13156 | 17 | -30408 |
| 18 | -17732 | 19 | 42662 | 20 | 106254 | 21 | 126144 | 22 | 108211 | 23 | 84326 |
| 24 | 63059 | 25 | 32285 | 26 | -13102 | 27 | -67720 | 28 | -119816 | 29 | -143169 |
| 30 | -109560 | 31 | -28944 | 32 | 44472 | 33 | 67978 | 34 | 55082 | 35 | 44418 |
| 36 | 43032 | 37 | 27744 | 38 | -8361 | 39 | -41768 | 40 | -52581 | 41 | -47394 |
| 42 | -39993 | 43 | -29100 | 44 | -7680 | 45 | 18360 | 46 | 32803 | 47 | 25830 |
| 48 | 5358 | 49 | -5730 | 50 | 7077 | 51 | 22515 | 52 | 2248 | 53 | -45650 |
| 54 | -59155 | 55 | -14595 | 56 | 20090 | 57 | -14243 | 58 | -62559 | 59 | -39976 |
| 60 | 19262 | 61 | 13386 | 62 | -49158 | 63 | -57366 | 64 | 15012 | 65 | 67905 |
| 66 | 44904 | 67 | 10667 | 68 | 15975 | 69 | 12070 | 70 | -37421 | 71 | -66515 |
| 72 | -7476 | 73 | 92701 | 74 | 131487 | 75 | 84685 | 76 | 24824 | 77 | 24469 |
| 78 | 73079 | 79 | 88221 | 80 | 10621 | 81 | -108951 | 82 | -148356 | 83 | -59641 |
| 84 | 65698 | 85 | 109048 | 86 | 55609 | 87 | -28806 | 88 | -98554 | 89 | -142719 |
| 90 | -140727 | 91 | -80828 | 92 | -6938 | 93 | 22572 | 94 | 19771 | 95 | 47973 |
| 96 | 113518 | 97 | 141615 | 98 | 83452 | 99 | -10063 | 100 | -61851 | 101 | -70172 |
| 102 | -82835 | 103 | -102981 | 104 | -88438 | 105 | -33578 | 106 | 16179 | 107 | 34728 |
| 108 | 39588 | 109 | 42612 | 110 | 36177 | 111 | 28423 | 112 | 29601 | 113 | 9548 |
| 114 | -58935 | 115 | -122821 | 116 | -99533 | 117 | -476 | 118 | 84251 | 119 | 118300 |
| 120 | 138829 | 121 | 149722 | 122 | 107915 | 123 | 27252 | 124 | -15323 | 125 | -3224 |
| 126 | -10636 | 127 | -76064 | 128 | -130162 | 129 | -90618 | 130 | 27528 | 131 | 124894 |
| 132 | 109408 | 133 | -20680 | 134 | -151826 | 135 | -142578 | 136 | 16218 | 137 | 166801 |
| 138 | 165361 | 139 | 50387 | 140 | -37072 | 141 | -48792 | 142 | -50715 | 143 | -80176 |
| 144 | -91103 | 145 | -52102 | 146 | -7699 | 147 | -3485 | 148 | -12570 | 149 | 13216 |
| 150 | 53739 | 151 | 41815 | 152 | -25743 | 153 | -55190 | 154 | 28395 | 155 | 164553 |
| 156 | 212751 | 157 | 120498 | 158 | -17483 | 159 | -75445 | 160 | -19589 | 161 | 93505 |
| 162 | 178862 | 163 | 161799 | 164 | 21456 | 165 | -161755 | 166 | -254279 | 167 | -208996 |
| 168 | -113551 | 169 | -63762 | 170 | -43256 | 171 | 22550 | 172 | 143137 | 173 | 252174 |
| 174 | 284352 | 175 | 214649 | 176 | 62684 | 177 | -91617 | 178 | -145358 | 179 | -88062 |
| 180 | -33494 | 181 | -68085 | 182 | -119487 | 183 | -65670 | 184 | 69077 | 185 | 140963 |
| 186 | 92613 | 187 | 14438 | 188 | -6457 | 189 | 14416 | 190 | 35685 | 191 | 60048 |
| 192 | 84499 | 193 | 70363 | 194 | 15398 | 195 | -13496 | 196 | 30434 | 197 | 105014 |
| 198 | 139857 | 199 | 119845 | 200 | 75637 | 201 | 31993 | 202 | -7632 | 203 | -55998 |
| 204 | -132210 | 205 | -226310 | 206 | -281075 | 207 | -251930 | 208 | -173882 | 209 | -118574 |
| 209 | -96258 | 210 | -55629 | 211 | 28130 | 212 | 121939 | 213 | 185249 | 214 | 199116 |
| 216 | 154823 | 217 | 67602 | 218 | -5500 | 219 | -14063 | 220 | 22425 | 221 | 43183 |
| 222 | 29045 | 223 | 15066 | 224 | 31557 | 225 | 73946 | 226 | 120092 | 227 | 139514 |
| 228 | 101136 | 229 | 13690 | 230 | -53748 | 231 | -36062 | 232 | 44410 | 233 | 92551 |
| 234 | 38954 | 235 | -95352 | 236 | -223039 | 237 | -262635 | 238 | -203117 | 239 | -115703 |

| | | | | | | | | | | | |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 240 | -86654 | 241 | -125004 | 242 | -157939 | 243 | -126406 | 244 | -40597 | 245 | 28798 |
| 246 | 92707 | 247 | 138848 | 248 | 133179 | 249 | 59125 | 250 | -24299 | 251 | -36791 |
| 252 | 20632 | 253 | 75067 | 254 | 87242 | 255 | 86976 | 256 | 99253 | 257 | 97588 |
| 258 | 56604 | 259 | 4882 | 260 | -10645 | 261 | 9457 | 262 | 16713 | 263 | -26265 |
| 264 | -102766 | 265 | -159154 | 266 | -161004 | 267 | -127360 | 268 | -102614 | 269 | -100321 |
| 270 | -91455 | 271 | -46820 | 272 | 28588 | 273 | 101852 | 274 | 131761 | 275 | 91076 |
| 276 | 2475 | 277 | -53283 | 278 | -7176 | 279 | 114350 | 280 | 212860 | 281 | 231478 |
| 282 | 205810 | 283 | 190956 | 284 | 181099 | 285 | 131042 | 286 | 33206 | 287 | -60084 |
| 288 | -92087 | 289 | -64606 | 290 | -38940 | 291 | -74579 | 292 | -169650 | 293 | -264318 |
| 294 | -298761 | 295 | -261326 | 296 | -184333 | 297 | -103780 | 298 | -27243 | 299 | 58406 |
| 300 | 149306 | 301 | 209394 | 302 | 207980 | 303 | 157843 | 304 | 91215 | 305 | 13627 |
| 306 | -83062 | 307 | -177508 | 308 | -236288 | 309 | -266386 | 310 | -298755 | 311 | -322967 |
| 312 | -293635 | 313 | -204551 | 314 | -100662 | 315 | -8781 | 316 | 88708 | 317 | 198293 |
| 318 | 284719 | 319 | 316136 | 320 | 301645 | 321 | 265993 | 322 | 216507 | 323 | 150672 |
| 324 | 74983 | 325 | 730 | 326 | -70243 | 327 | -142364 | 328 | -203873 | 329 | -219700 |
| 330 | -174388 | 331 | -118827 | 332 | -122722 | 333 | -164526 | 334 | -139040 | 335 | -16986 |
| 336 | 85244 | 337 | 69525 | 338 | 9693 | 339 | 38157 | 340 | 142928 | 341 | 197990 |
| 342 | 153677 | 343 | 74477 | 344 | 12376 | 345 | -38792 | 346 | -71889 | 347 | -58424 |
| 348 | -18411 | 349 | -11592 | 350 | -49854 | 351 | -83860 | 352 | -79646 | 353 | -53805 |
| 354 | -30147 | 355 | -5632 | 356 | 31448 | 357 | 71131 | 358 | 78676 | 359 | 28900 |
| 360 | -50332 | 361 | -93848 | 362 | -80506 | 363 | -63234 | 364 | -83022 | 365 | -99970 |
| 366 | -64244 | 367 | -7790 | 368 | 7795 | 369 | -1348 | 370 | 33136 | 371 | 118909 |
| 372 | 190851 | 373 | 203129 | 374 | 170121 | 375 | 120456 | 376 | 64966 | 377 | 13369 |
| 378 | -17588 | 379 | -22258 | 380 | -15749 | 381 | -23373 | 382 | -58045 | 383 | -94984 |
| 384 | -80596 | 385 | 3264 | 386 | 93315 | 387 | 103064 | 388 | 25359 | 389 | -61373 |
| 390 | -88811 | 391 | -62735 | 392 | -31361 | 393 | -28124 | 394 | -50930 | 395 | -67552 |
| 396 | -99282 | 397 | 34792 | 398 | 101191 | 399 | 107676 | 400 | 68178 | 401 | 39854 |
| 402 | 42663 | 403 | 41861 | 404 | 12846 | 405 | -18191 | 406 | -15721 | 407 | 13109 |
| 408 | 31480 | 409 | 22430 | 410 | 5537 | 411 | 10835 | 412 | 49410 | 413 | 105761 |
| 414 | 149682 | 415 | 156707 | 416 | 122032 | 417 | 56953 | 418 | -21592 | 419 | -91816 |
| 419 | -128720 | 421 | -124978 | 422 | -107094 | 423 | -106759 | 424 | -114209 | 425 | -88350 |
| 426 | -21366 | 427 | 38718 | 428 | 47979 | 429 | 20240 | 430 | -2507 | 431 | -6242 |
| 432 | -1967 | 433 | 9368 | 434 | 31534 | 435 | 46633 | 436 | 32373 | 437 | 274 |
| 438 | -16805 | 439 | -12005 | 440 | -7380 | 441 | -11300 | 442 | -6125 | 443 | 17537 |
| 444 | 44540 | 445 | 60740 | 446 | 68243 | 447 | 66966 | 448 | 46715 | 449 | 9265 |
| 450 | -23630 | 451 | -37292 | 452 | -41214 | 453 | -47854 | 454 | -52599 | 455 | -48675 |
| 456 | -45351 | 457 | -52639 | 458 | -58034 | 459 | -39185 | 460 | 1216 | 461 | 31261 |
| 462 | 27258 | 463 | 3077 | 464 | -9345 | 465 | -1671 | 466 | 5027 | 467 | -4205 |
| 467 | -17051 | 468 | -17336 | 469 | -10146 | 470 | -6596 | 471 | 211 | 472 | 21125 |
| 473 | 43812 | 474 | 44761 | 475 | 22773 | 476 | -2475 | 477 | -19636 | 478 | -30308 |
| 480 | -31051 | 481 | -17085 | 482 | -1265 | 483 | -3924 | 484 | -23403 | 485 | -37675 |
| 486 | -34456 | 487 | -20814 | 488 | -5537 | 489 | 9495 | 490 | 22322 | 491 | 30635 |
| 492 | 35621 | 493 | 35386 | 494 | 23205 | 495 | 2670 | 496 | -9288 | 497 | -7209 |
| 498 | -7940 | 499 | 21111 | 500 | -27865 | 501 | -10317 | 502 | 15047 | 503 | 19074 |
| 504 | 2638 | 505 | -6826 | 506 | -5300 | 507 | -814 | 508 | -6137 | 509 | -16259 |
| 510 | -24290 | 511 | -28557 | 512 | -25760 | 513 | -12542 | 514 | 6189 | 515 | 22277 |
| 516 | 35157 | 517 | 47677 | 518 | 57036 | 519 | 56427 | 520 | 45859 | 521 | 29055 |
| 522 | 9812 | 523 | -4104 | 524 | -3892 | 525 | 6782 | 526 | 13304 | 527 | 12258 |
| 528 | 18094 | 529 | 36285 | 530 | 56612 | 531 | 54680 | 532 | 39284 | 533 | 33661 |
| 534 | 46999 | 535 | 64911 | 536 | 68047 | 537 | 51423 | 538 | 25273 | 539 | 1937 |

| | | | | | | | | | | | |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 540 | -15265 | 541 | -29181 | 542 | -38333 | 543 | -37856 | 544 | -32003 | 545 | -32994 |
| 546 | -40720 | 547 | -37244 | 548 | -13287 | 549 | 12072 | 550 | 13226 | 551 | -9317 |
| 552 | -33021 | 553 | -42336 | 554 | -39107 | 555 | -31639 | 556 | -28702 | 557 | -38311 |
| 558 | -57639 | 559 | -68969 | 560 | -58238 | 561 | -32788 | 562 | -11179 | 563 | -2523 |
| 564 | -3905 | 565 | -8422 | 566 | -7971 | 567 | 890 | 568 | 7622 | 569 | -2740 |
| 570 | -26164 | 571 | -41999 | 572 | -42499 | 573 | -40449 | 574 | -43394 | 575 | -43257 |
| 576 | -37480 | 577 | -36108 | 578 | -39989 | 579 | -35841 | 580 | -21232 | 581 | -11000 |
| 582 | -10986 | 583 | -8652 | 584 | 2630 | 585 | 12470 | 586 | 13708 | 587 | 12594 |
| 588 | 12954 | 589 | 10362 | 590 | 6821 | 591 | 11761 | 592 | 23273 | 593 | 25524 |
| 594 | 9935 | 595 | -14124 | 596 | -32058 | 597 | -37556 | 598 | -34609 | 599 | -33731 |
| 600 | -41426 | 601 | -47502 | 602 | -32724 | 603 | 3435 | 604 | 35289 | 605 | 41037 |
| 606 | 27826 | 607 | 16207 | 608 | 13132 | 609 | 13516 | 610 | 16335 | 611 | 23128 |
| 612 | 27756 | 613 | 23039 | 614 | 14909 | 615 | 17208 | 616 | 32462 | 617 | 46127 |
| 618 | 44924 | 619 | 32751 | 620 | 25226 | 621 | 31011 | 622 | 43573 | 623 | 50503 |
| 624 | 45504 | 625 | 30667 | 626 | 13491 | 627 | 3833 | 628 | 6752 | 629 | 15048 |
| 630 | 16000 | 631 | 8689 | 632 | 6391 | 633 | 18073 | 634 | 36559 | 635 | 48991 |
| 636 | 49699 | 637 | 39334 | 638 | 22209 | 639 | 8490 | 640 | 7305 | 641 | 13373 |
| 642 | 12256 | 643 | 1621 | 644 | -6615 | 645 | -7442 | 646 | -8663 | 647 | -11705 |
| 648 | -6466 | 649 | 6589 | 650 | 9096 | 651 | -8907 | 652 | -32276 | 653 | -42305 |
| 654 | -39628 | 655 | -33912 | 656 | -26169 | 657 | -14884 | 658 | -6469 | 659 | -5469 |
| 660 | -4947 | 661 | 827 | 662 | 4631 | 663 | -523 | 664 | -7242 | 665 | -6549 |
| 666 | -5321 | 667 | -15898 | 668 | -35413 | 669 | -50748 | 670 | -59000 | 671 | -67201 |
| 672 | -74106 | 673 | -68466 | 674 | -47551 | 675 | -24011 | 676 | -9820 | 677 | -3617 |
| 678 | 953 | 679 | 3114 | 680 | -1593 | 681 | -11074 | 682 | -17678 | 683 | -18116 |
| 684 | -16617 | 685 | -18159 | 686 | -22680 | 687 | -26443 | 688 | -25819 | 689 | -19101 |
| 690 | -7619 | 691 | 3900 | 692 | 10467 | 693 | 11409 | 694 | 10195 | 695 | 9592 |
| 696 | 9252 | 697 | 8302 | 698 | 7210 | 699 | 5835 | 700 | 2683 | 701 | -1313 |
| 702 | -463 | 703 | 10140 | 704 | 26441 | 705 | 36993 | 706 | 35418 | 707 | 28426 |
| 708 | 27164 | 709 | 32201 | 710 | 33407 | 711 | 25691 | 712 | 17676 | 713 | 20146 |
| 714 | 31269 | 715 | 39880 | 716 | 40637 | 717 | 39219 | 718 | 42625 | 719 | 49797 |
| 720 | 53766 | 721 | 50128 | 722 | 41156 | 723 | 31833 | 724 | 23454 | 725 | 13401 |
| 726 | 1600 | 727 | -6481 | 728 | -6528 | 729 | -2522 | 730 | -2784 | 731 | -9924 |
| 732 | -18619 | 733 | -22727 | 734 | -21262 | 735 | -17986 | 736 | -17679 | 737 | -21851 |
| 738 | -26551 | 739 | -26433 | 740 | -22451 | 741 | -22388 | 742 | -31285 | 743 | -43923 |
| 744 | -49899 | 745 | -45178 | 746 | -36121 | 747 | -31631 | 748 | -33006 | 749 | -33518 |
| 750 | -27930 | 751 | -19112 | 752 | -13346 | 753 | -12592 | 754 | -14761 | 755 | -18259 |
| 756 | -21906 | 757 | -20231 | 758 | -21419 | 759 | -19333 | 760 | -18591 | 761 | -15833 |
| 762 | -7778 | 763 | 3496 | 764 | 13687 | 765 | 20736 | 766 | 23738 | 767 | 22502 |
| 768 | 20410 | 769 | 21973 | 770 | 25731 | 771 | 25728 | 772 | 20788 | 773 | 15187 |
| 774 | 10307 | 775 | 4335 | 776 | -169 | 777 | 1571 | 778 | 6713 | 779 | 7222 |
| 780 | 2220 | 781 | -1744 | 782 | -1646 | 783 | 901 | 784 | 7351 | 785 | 19790 |
| 786 | 32203 | 787 | 35245 | 788 | 29260 | 789 | 23450 | 790 | 23511 | 791 | 27535 |
| 792 | 30848 | 793 | 28192 | 794 | 16648 | 795 | 3152 | 796 | 1621 | 797 | 14869 |
| 798 | 28094 | 799 | 28460 | 800 | 22023 | 801 | 20979 | 802 | 24510 | 803 | 24076 |
| 804 | 19034 | 805 | 14220 | 806 | 9058 | 807 | 1470 | 808 | -3443 | 809 | -722 |
| 810 | 3817 | 810 | 2075 | 812 | -2227 | 813 | -67 | 814 | 6408 | 814 | 6842 |
| 816 | -58 | 817 | -4855 | 818 | -2856 | 818 | -17 | 820 | -1946 | 821 | -6487 |
| 822 | -9494 | 822 | -10819 | 824 | -12480 | 825 | -15994 | 826 | -22260 | 827 | -29995 |
| 828 | -34951 | 829 | -34552 | 830 | -31701 | 831 | -30131 | 832 | -28587 | 833 | -24219 |
| 834 | -19097 | 835 | -18127 | 835 | -22328 | 837 | -28917 | 838 | -36413 | 839 | -45058 |

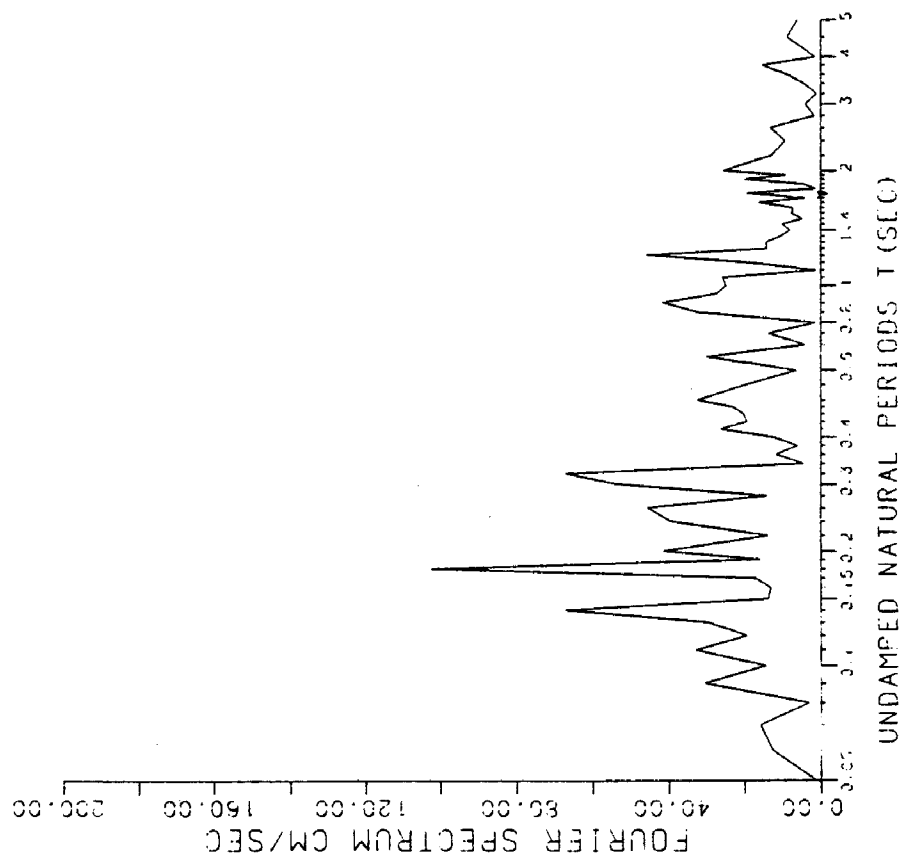
| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 839 | -53037 | 841 | -56070 | 842 | -50958 | 843 | -38267 | 843 | -22553 | 845 | -10258 |
| 846 | -5071 | 847 | -4831 | 847 | -4865 | 849 | -4097 | 850 | -5371 | 851 | -9969 |
| 852 | -14237 | 853 | -11929 | 854 | 441 | 855 | 18926 | 856 | 32680 | 857 | 32811 |
| 858 | 22353 | 859 | 13786 | 860 | 14520 | 862 | 18671 | 862 | 16261 | 863 | 7152 |
| 864 | 1700 | 864 | 8681 | 866 | 25432 | 867 | 40181 | 868 | 43834 | 868 | 39563 |
| 870 | 38686 | 871 | 45167 | 872 | 48291 | 872 | 36351 | 874 | 14472 | 875 | 236 |
| 876 | 1773 | 877 | 9440 | 878 | 11671 | 879 | 10159 | 880 | 14057 | 881 | 25687 |
| 882 | 38098 | 883 | 43146 | 884 | 37868 | 885 | 26082 | 885 | 16256 | 887 | 13864 |
| 888 | 13976 | 889 | 6728 | 889 | -7662 | 891 | -16477 | 892 | -11139 | 893 | 220 |
| 893 | 3972 | 895 | -1280 | 896 | -6148 | 897 | -5460 | 897 | -2915 | 899 | -2899 |
| 900 | -6087 | 901 | -12018 | 902 | -18221 | 903 | -18041 | 904 | -7588 | 905 | 5802 |
| 906 | 10320 | 907 | 4649 | 908 | -20715 | 909 | -4932 | 910 | -8356 | 910 | -15401 |
| 912 | -21639 | 913 | -23141 | 914 | -22218 | 914 | -21153 | 916 | -17448 | 917 | -9864 |
| 918 | -3166 | 918 | -2030 | 920 | -4908 | 921 | -8043 | 922 | -10929 | 922 | -13751 |
| 924 | -14303 | 925 | -12282 | 926 | -11971 | 927 | -15087 | 928 | -15526 | 929 | -8323 |
| 930 | -117 | 931 | -1884 | 932 | -12622 | 933 | -19562 | 934 | -15583 | 935 | -7629 |
| 935 | -4918 | 937 | -6675 | 938 | -6268 | 939 | -1759 | 939 | 3010 | 941 | 4388 |
| 942 | 1577 | 943 | -4321 | 943 | -10523 | 945 | -13495 | 946 | -12059 | 947 | -8490 |
| 947 | -5599 | 949 | -4265 | 950 | -3956 | 951 | -3278 | 952 | 86 | 953 | 6909 |
| 954 | 13481 | 955 | 14644 | 956 | 10785 | 957 | 8237 | 958 | 10786 | 959 | 14045 |
| 960 | 11412 | 960 | 3411 | 962 | -2763 | 963 | -2372 | 964 | 1873 | 964 | 4252 |
| 966 | 2086 | 967 | -3468 | 968 | -9499 | 968 | -12724 | 970 | -11486 | 971 | -7979 |
| 972 | -6399 | 972 | -7758 | 974 | -8798 | 975 | -6751 | 976 | -2408 | 977 | 2123 |
| 978 | 5473 | 979 | 6364 | 980 | 4592 | 981 | 3022 | 982 | 4563 | 983 | 7003 |
| 984 | 5596 | 985 | 1005 | 985 | -929 | 987 | 1756 | 988 | 4660 | 989 | 5374 |
| 989 | 7672 | 991 | 14051 | 992 | 20103 | 993 | 20678 | 993 | 16986 | 995 | 13189 |
| 996 | 9705 | 997 | 4492 | 997 | -1569 | 999 | -5070 | 1000 | -4815 | 1001 | -2662 |
| 1002 | 65 | 1003 | 3953 | 1004 | 8629 | 1005 | 11025 | 1006 | 8720 | 1007 | 4338 |
| 1008 | 4166 | 1009 | 11245 | 1010 | 21285 | 1010 | 26913 | 1012 | 25312 | 1013 | 20385 |
| 1014 | 17558 | 1014 | 17413 | 1016 | 15132 | 1017 | 6980 | 1018 | -2939 | 1018 | -5113 |
| 1020 | 4178 | 1021 | 16751 | 1022 | 21437 | 1022 | 17436 | 1024 | 14031 | 1025 | 17400 |
| 1026 | 23012 | 1027 | 22943 | 1028 | 16500 | 1029 | 10005 | 1030 | 7776 | 1031 | 7244 |
| 1032 | 4221 | 1033 | 339 | 1034 | 1702 | 1035 | 9793 | 1036 | 17594 | 1037 | 17526 |
| 1038 | 10493 | 1039 | 3315 | 1040 | -638 | 1041 | -3650 | 1042 | -7880 | 1043 | -12674 |
| 1044 | -17375 | 1045 | -21831 | 1046 | -23826 | 1047 | -20731 | 1048 | -14409 | 1049 | -10068 |
| 1050 | -9455 | 1051 | -9587 | 1052 | -8988 | 1053 | -10026 | 1054 | -13126 | 1055 | -13906 |
| 1056 | -9525 | 1057 | -3717 | 1058 | -1602 | 1059 | -2818 | 1060 | -3972 | 1061 | -4879 |
| 1062 | -7612 | 1063 | -11717 | 1064 | -15378 | 1065 | -19366 | 1066 | -24335 | 1067 | -25826 |
| 1068 | -18620 | 1069 | -6815 | 1070 | 1933 | 1071 | 1007 | 1072 | -2117 | 1073 | 264 |
| 1074 | 6977 | 1075 | 11027 | 1076 | 8762 | 1077 | 2757 | 1078 | -1897 | 1079 | -1604 |
| 1080 | 3326 | 1081 | 8079 | 1082 | 7249 | 1083 | 1489 | 1084 | -2057 | 1085 | 1339 |
| 1086 | 7008 | 1087 | 6909 | 1088 | 1317 | 1089 | -999 | 1090 | 4765 | 1091 | 12336 |
| 1092 | 12976 | 1093 | 6927 | 1094 | 1585 | 1095 | 973 | 1096 | 2305 | 1097 | 1755 |
| 1098 | -1401 | 1099 | -6004 | 1100 | -9912 | 1101 | -9977 | 1102 | -5171 | 1103 | 600 |
| 1104 | 2718 | 1105 | 2204 | 1106 | 3681 | 1107 | 7690 | 1108 | 9796 | 1109 | 7442 |
| 1110 | 3244 | 1111 | 802 | 1112 | 955 | 1113 | 2722 | 1114 | 4666 | 1115 | 4799 |
| 1116 | 2026 | 1117 | -1726 | 1118 | -2961 | 1119 | -571 | 1120 | 3162 | 1121 | 5484 |
| 1122 | 5657 | 1123 | 4621 | 1124 | 3350 | 1125 | 1986 | 1126 | 287 | 1127 | -1585 |
| 1128 | -3274 | 1129 | -5003 | 1130 | -7019 | 1131 | -8388 | 1132 | -8054 | 1133 | -7119 |
| 1134 | -7827 | 1135 | -9999 | 1136 | -11124 | 1137 | -10470 | 1138 | -10142 | 1139 | -11198 |

| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1140 | -11835 | 1141 | -10686 | 1142 | -9072 | 1143 | -8615 | 1144 | -9095 | 1145 | -9841 |
| 1146 | -10964 | 1147 | -12335 | 1148 | -13309 | 1149 | -13849 | 1150 | -14141 | 1151 | -13322 |
| 1152 | -10657 | 1153 | -7521 | 1154 | -6080 | 1155 | -6532 | 1156 | -7499 | 1157 | -8117 |
| 1158 | -7721 | 1159 | -5020 | 1160 | -159 | 1161 | 3720 | 1162 | 3720 | 1163 | 1148 |
| 1164 | -96 | 1165 | 1633 | 1166 | 4533 | 1167 | 6186 | 1168 | 5770 | 1169 | 4051 |
| 1170 | 2792 | 1171 | 3614 | 1172 | 6191 | 1173 | 8127 | 1174 | 7622 | 1175 | 5558 |
| 1176 | 4040 | 1177 | 3792 | 1178 | 4051 | 1179 | 4282 | 1180 | 4610 | 1181 | 6048 |
| 1182 | 8000 | 1183 | 10436 | 1184 | 12868 | 1185 | 14262 | 1186 | 13495 | 1187 | 10451 |
| 1188 | 6360 | 1189 | 2654 | 1190 | -98 | 1191 | -1601 | 1192 | -1111 | 1193 | 1298 |
| 1194 | 3455 | 1195 | 3156 | 1196 | 1321 | 1197 | 910 | 1198 | 2755 | 1199 | 4686 |
| 1200 | 4700 | 1201 | 2679 | 1202 | -531 | 1203 | -3031 | 1204 | -1769 | 1205 | 3861 |
| 1206 | 9052 | 1207 | 8230 | 1208 | 2283 | 1209 | -2757 | 1210 | -3531 | 1211 | -1754 |
| 1212 | 124 | 1213 | 1008 | 1214 | -299 | 1215 | -3906 | 1216 | -6696 | 1217 | -5561 |
| 1218 | -1861 | 1219 | 1264 | 1220 | 4349 | 1221 | 9743 | 1222 | 15750 | 1223 | 17476 |
| 1224 | 13286 | 1225 | 6977 | 1226 | 3904 | 1227 | 6897 | 1228 | 14367 | 1229 | 20653 |
| 1230 | 20591 | 1231 | 15599 | 1232 | 12552 | 1233 | 14066 | 1234 | 18031 | 1235 | 16341 |
| 1236 | 10535 | 1237 | 5457 | 1238 | 2999 | 1239 | 1387 | 1240 | -27 | 1241 | 408 |
| 1242 | 2708 | 1243 | 3645 | 1244 | 1093 | 1245 | -2138 | 1246 | -1651 | 1247 | 2121 |
| 1248 | 4274 | 1249 | 2561 | 1250 | 239 | 1251 | 213 | 1252 | 544 | 1253 | -1237 |
| 1254 | -3330 | 1255 | -3096 | 1256 | -1653 | 1257 | -1885 | 1258 | -1832 | 1259 | 294 |
| 1260 | 2426 | 1261 | 1678 | 1262 | -315 | 1263 | -273 | 1264 | 857 | 1265 | -150 |
| 1266 | -3025 | 1267 | -4933 | 1268 | -5443 | 1269 | -6162 | 1270 | -7176 | 1271 | -8017 |
| 1272 | -10404 | 1273 | -15825 | 1274 | -21572 | 1275 | -22779 | 1276 | -17690 | 1277 | -8869 |
| 1278 | -662 | 1279 | 2927 | 1280 | 221 | 1281 | -6173 | 1282 | -11342 | 1283 | -13495 |
| 1284 | -15334 | 1285 | -19154 | 1286 | -23572 | 1287 | -26198 | 1288 | -26331 | 1289 | -23821 |
| 1290 | -18656 | 1291 | -13051 | 1292 | -10304 | 1293 | -9990 | 1294 | -7917 | 1295 | -2655 |
| 1296 | 1629 | 1297 | 1098 | 1298 | -2653 | 1299 | -5785 | 1300 | -7458 | 1301 | -9183 |
| 1302 | -11467 | 1303 | -13572 | 1304 | -14650 | 1305 | -13434 | 1306 | -9057 | 1307 | -3430 |
| 1308 | -106 | 1309 | 497 | 1310 | 1736 | 1311 | 5338 | 1312 | 8739 | 1313 | 9341 |
| 1314 | 7894 | 1315 | 5762 | 1316 | 2421 | 1317 | -1885 | 1318 | -4300 | 1319 | -3117 |
| 1320 | -986 | 1321 | -1559 | 1322 | -4697 | 1323 | -7252 | 1324 | -7224 | 1325 | -5294 |
| 1326 | -3291 | 1327 | -2561 | 1328 | -3218 | 1329 | -4305 | 1330 | -5133 | 1331 | -6211 |
| 1332 | -7950 | 1333 | -9130 | 1334 | -8032 | 1335 | -4497 | 1336 | 453 | 1337 | 5954 |
| 1338 | 10839 | 1339 | 13438 | 1340 | 13711 | 1341 | 13865 | 1342 | 14922 | 1343 | 14847 |
| 1344 | 12380 | 1345 | 10109 | 1346 | 10707 | 1347 | 12614 | 1348 | 12906 | 1349 | 12137 |
| 1350 | 12586 | 1351 | 13740 | 1352 | 13421 | 1353 | 11837 | 1354 | 10837 | 1355 | 10466 |
| 1356 | 9595 | 1357 | 8634 | 1358 | 9850 | 1359 | 12658 | 1360 | 15722 | 1361 | 17620 |
| 1362 | 17139 | 1363 | 13598 | 1364 | 8661 | 1365 | 5816 | 1366 | 6405 | 1367 | 7951 |
| 1368 | 7711 | 1369 | 5881 | 1370 | 4062 | 1371 | 2622 | 1372 | 1035 | 1373 | -720 |
| 1374 | -2450 | 1375 | -4271 | 1376 | -5812 | 1377 | -5823 | 1378 | -3551 | 1379 | -72 |
| 1380 | 2530 | 1381 | 3260 | 1382 | 2939 | 1383 | 2538 | 1384 | 1378 | 1385 | -1883 |
| 1386 | -6620 | 1387 | -10299 | 1388 | -11590 | 1389 | -11536 | 1390 | -11123 | 1391 | -10082 |
| 1392 | -8941 | 1393 | -9358 | 1394 | -11041 | 1395 | -11309 | 1396 | -9240 | 1397 | -6926 |
| 1398 | -5043 | 1399 | -1183 | 1400 | 4961 | 1401 | 8862 | 1402 | 7010 | 1403 | 2277 |
| 1404 | -161 | 1405 | 431 | 1406 | 1174 | 1407 | 826 | 1408 | 642 | 1409 | 1365 |
| 1410 | 2373 | 1411 | 3151 | 1412 | 3652 | 1413 | 3766 | 1414 | 3561 | 1415 | 3363 |
| 1416 | 3081 | 1417 | 2324 | 1418 | 1362 | 1419 | 963 | 1420 | 1408 | 1421 | 2578 |
| 1422 | 4529 | 1423 | 6943 | 1424 | 8598 | 1425 | 8424 | 1426 | 6632 | 1427 | 4222 |
| 1428 | 2016 | 1429 | 191 | 1430 | 913 | 1431 | -2625 | 1432 | -4579 | 1433 | -5188 |
| 1434 | -3568 | 1435 | -1172 | 1436 | 292 | 1437 | 1114 | 1438 | 1770 | 1439 | 841 |

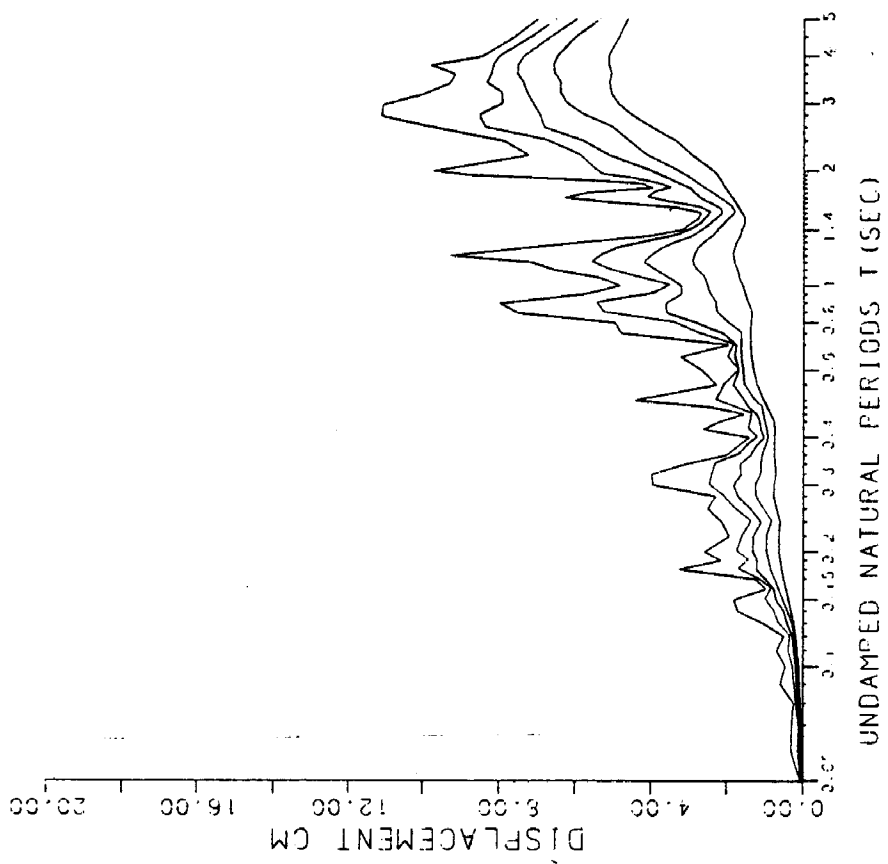
| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1440 | -2613 | 1441 | -6626 | 1442 | -9265 | 1443 | -11911 | 1444 | -16140 | 1445 | -19489 |
| 1446 | -18410 | 1447 | -13884 | 1448 | -9980 | 1449 | -7976 | 1450 | -5869 | 1451 | -2796 |
| 1452 | 5 | 1453 | 2079 | 1454 | 3882 | 1455 | 4308 | 1456 | 1570 | 1457 | -3303 |
| 1458 | -6910 | 1459 | -7735 | 1460 | -7491 | 1461 | -7938 | 1462 | -8678 | 1463 | -8711 |
| 1464 | -8233 | 1465 | -7901 | 1466 | -7543 | 1467 | -6597 | 1468 | -5256 | 1469 | -4308 |
| 1470 | -4181 | 1471 | -4301 | 1472 | -4186 | 1473 | -3867 | 1474 | -3478 | 1475 | -2868 |
| 1476 | -2032 | 1477 | -1344 | 1478 | -895 | 1479 | -215 | 1480 | 763 | 1481 | 1186 |
| 1482 | 331 | 1483 | -1557 | 1484 | -3983 | 1485 | -6644 | 1486 | -8567 | 1487 | -8203 |
| 1488 | -5383 | 1489 | -1992 | 1490 | 153 | 1491 | 863 | 1492 | 464 | 1493 | -1150 |
| 1494 | -3586 | 1495 | -5810 | 1496 | -7637 | 1497 | -9668 | 1498 | -11406 | 1499 | -11583 |
| 1500 | -10591 | 1501 | -10111 | 1502 | -10048 | 1503 | -8615 | 1504 | -5756 | 1505 | -3528 |
| 1506 | -2753 | 1507 | -2389 | 1508 | -2449 | 1509 | -4104 | 1510 | -6445 | 1511 | -6713 |
| 1512 | -4378 | 1513 | -1731 | 1514 | -82 | 1515 | 1242 | 1516 | 2055 | 1517 | 1143 |
| 1518 | -889 | 1519 | -2153 | 1520 | -2825 | 1521 | -4382 | 1522 | -5792 | 1523 | -4392 |
| 1524 | -554 | 1525 | 2366 | 1526 | 2936 | 1527 | 2992 | 1528 | 3886 | 1529 | 4590 |
| 1530 | 3890 | 1531 | 1994 | 1532 | -186 | 1533 | -1403 | 1534 | -703 | 1535 | 1963 |
| 1536 | 4537 | 1537 | 5594 | 1538 | 5892 | 1539 | 6588 | 1540 | 7389 | 1541 | 7522 |
| 1542 | 6798 | 1543 | 4809 | 1544 | 1159 | 1545 | -2615 | 1546 | -3539 | 1547 | -735 |
| 1548 | 3451 | 1549 | 6619 | 1550 | 8606 | 1551 | 9950 | 1552 | 10227 | 1553 | 9047 |
| 1554 | 7105 | 1555 | 5274 | 1556 | 3569 | 1557 | 1461 | 1558 | -1351 | 1559 | -4291 |
| 1560 | -5506 | 1561 | -3059 | 1562 | 2536 | 1563 | 8027 | 1564 | 10906 | 1565 | 12129 |
| 1566 | 13938 | 1567 | 16173 | 1568 | 16730 | 1569 | 15125 | 1570 | 13304 | 1571 | 12493 |
| 1572 | 11180 | 1573 | 7495 | 1574 | 2509 | 1575 | -489 | 1576 | 141 | 1577 | 2810 |
| 1578 | 5248 | 1579 | 6941 | 1580 | 8175 | 1581 | 8401 | 1582 | 7178 | 1583 | 5479 |
| 1584 | 4370 | 1585 | 3421 | 1586 | 2143 | 1587 | 1757 | 1588 | 3437 | 1589 | 5774 |
| 1590 | 6289 | 1591 | 4785 | 1592 | 3027 | 1593 | 1778 | 1594 | 354 | 1595 | -1367 |
| 1596 | -2709 | 1597 | -3642 | 1598 | -4688 | 1599 | -5757 | 1600 | -6509 | 1601 | -7199 |
| 1602 | -8002 | 1603 | -8528 | 1604 | -9003 | 1605 | -10358 | 1606 | -12019 | 1607 | -11633 |
| 1608 | -8508 | 1609 | -5195 | 1610 | -3921 | 1611 | -3770 | 1612 | -3263 | 1613 | -3105 |
| 1614 | -3915 | 1615 | -3809 | 1616 | -1357 | 1617 | 1122 | 1618 | 558 | 1619 | -2075 |
| 1620 | -3256 | 1620 | -2206 | 1621 | -1444 | 1623 | -2409 | 1624 | -3443 | 1625 | -2486 |
| 1626 | 308 | 1627 | 3186 | 1628 | 4753 | 1629 | 4805 | 1629 | 3852 | 1631 | 2270 |
| 1632 | 132 | 1633 | -2100 | 1634 | -3329 | 1635 | -2979 | 1636 | -1963 | 1637 | -1653 |
| 1637 | -2201 | 1639 | -2740 | 1640 | -2894 | 1641 | -3117 | 1642 | -3606 | 1643 | -3733 |
| 1644 | -2841 | 1645 | -1169 | 1645 | 356 | 1646 | 1184 | 1648 | 1684 | 1649 | 2402 |
| 1650 | 3157 | 1651 | 3421 | 1652 | 3237 | 1653 | 2802 | 1654 | 1558 | 1654 | -1027 |
| 1656 | -4102 | 1657 | -6383 | 1658 | -8138 | 1659 | -10409 | 1660 | -12563 | 1661 | -12765 |
| 1662 | -10826 | 1662 | -8361 | 1664 | -6030 | 1665 | -2937 | 1666 | 885 | 1667 | 3571 |
| 1668 | 3579 | 1669 | 1225 | 1670 | -2072 | 1670 | -4684 | 1671 | -5189 | 1673 | -3429 |
| 1674 | -853 | 1675 | 1293 | 1676 | 3303 | 1677 | 5415 | 1678 | 6322 | 1679 | 5061 |
| 1679 | 3055 | 1681 | 2314 | 1682 | 2711 | 1683 | 3062 | 1684 | 3719 | 1685 | 5789 |
| 1686 | 8541 | 1687 | 9907 | 1687 | 9278 | 1689 | 7856 | 1690 | 6426 | 1691 | 4593 |
| 1692 | 2199 | 1693 | -217 | 1694 | -2566 | 1695 | -5287 | 1695 | -7894 | 1696 | -8785 |
| 1698 | -7151 | 1699 | -4174 | 1700 | -1710 | 1701 | -561 | 1702 | -550 | 1703 | -1453 |
| 1704 | -3017 | 1704 | -4538 | 1706 | -5222 | 1707 | -4822 | 1708 | -3558 | 1709 | -1805 |
| 1710 | -162 | 1711 | 757 | 1712 | 1017 | 1712 | 1244 | 1714 | 1493 | 1715 | 1050 |
| 1716 | -223 | 1717 | -1283 | 1718 | -1229 | 1719 | -429 | 1720 | 259 | 1720 | 568 |
| 1721 | 542 | 1723 | 73 | 1724 | -706 | 1725 | -1328 | 1726 | -1697 | 1727 | -2132 |
| 1728 | -2469 | 1729 | -2167 | 1729 | -1425 | 1731 | -894 | 1732 | -98 | 1733 | 2215 |
| 1734 | 5732 | 1735 | 8302 | 1736 | 8728 | 1737 | 8055 | 1737 | 7281 | 1739 | 5663 |

| | | | | | | | | | | | |
|------|-------|------|--------|------|-------|------|-------|------|-------|------|-------|
| 1740 | 2560 | 1741 | -632 | 1742 | -2019 | 1743 | -1391 | 1744 | 152 | 1745 | 1907 |
| 1745 | 3647 | 1746 | 4023 | 1748 | 4960 | 1749 | 4490 | 1750 | 4348 | 1751 | 4913 |
| 1752 | 5822 | 1753 | 6573 | 1754 | 6904 | 1754 | 6628 | 1756 | 5354 | 1757 | 2744 |
| 1758 | -580 | 1759 | -2876 | 1760 | -2967 | 1761 | -1802 | 1762 | -1166 | 1762 | -1393 |
| 1764 | -1892 | 1765 | -3073 | 1766 | -5389 | 1767 | -7293 | 1768 | -7180 | 1769 | -6663 |
| 1770 | -8231 | 1770 | -10049 | 1771 | -7568 | 1773 | -770 | 1774 | 4735 | 1775 | 5027 |
| 1776 | 2141 | 1777 | -381 | 1778 | -2085 | 1779 | -3733 | 1779 | -4491 | 1781 | -3545 |
| 1782 | -2016 | 1783 | -1110 | 1784 | -274 | 1785 | 1214 | 1786 | 2698 | 1787 | 3614 |
| 1787 | 4744 | 1789 | 6429 | 1790 | 7038 | 1791 | 4866 | 1792 | 644 | 1793 | -3248 |
| 1794 | -5483 | 1795 | -6340 | 1795 | -6018 | 1796 | -3937 | 1798 | 50 | 1799 | 4915 |
| 1800 | 9311 | 1801 | 12310 | 1802 | 13218 | 1803 | 11976 | 1804 | 10041 | 1804 | 9187 |
| 1806 | 8618 | 1807 | 6467 | 1808 | 2007 | 1809 | -909 | 1810 | 511 | 1811 | 4095 |
| 1812 | 5505 | 1812 | 3767 | 1814 | 1686 | 1815 | 1693 | 1816 | 3450 | 1817 | 5148 |
| 1818 | 5569 | 1819 | 4864 | 1820 | 4054 | 1820 | 3710 | 1821 | 3248 | 1823 | 2014 |
| 1824 | 442 | 1825 | -825 | 1826 | -2066 | 1827 | -3601 | 1828 | -4774 | 1829 | -4991 |
| 1829 | -4606 | 1831 | -3873 | 1832 | -2531 | 1833 | -1219 | 1834 | -1212 | 1835 | -1934 |
| 1836 | -1141 | 1837 | 1345 | 1837 | 2739 | 1839 | 1466 | 1840 | -335 | 1841 | -64 |
| 1842 | 1775 | 1843 | 2922 | 1844 | 2552 | 1845 | 1588 | 1845 | 906 | 1846 | 434 |
| 1848 | -347 | 1849 | -1496 | 1850 | -2330 | 1851 | -2545 | 1852 | -3299 | 1853 | -5741 |
| 1854 | -8452 | 1854 | -8481 | 1856 | -5349 | 1857 | -1733 | 1858 | 486 | 1859 | 2349 |
| 1860 | 5006 | 1861 | 7229 | 1862 | 7198 | 1862 | 4929 | 1864 | 1655 | 1865 | -1719 |
| 1866 | -4510 | 1867 | -5880 | 1868 | -5617 | 1869 | -4523 | 1870 | -3414 | 1870 | -2382 |
| 1871 | -1348 | 1873 | -725 | 1874 | -1115 | 1875 | -2635 | 1876 | -4622 | 1877 | -5838 |
| 1878 | -5227 | 1879 | -2915 | 1879 | -309 | 1881 | 1271 | 1882 | 1843 | 1883 | 2083 |
| 1884 | 1778 | 1885 | 96 | 1886 | -2521 | 1887 | -4187 | 1887 | -4022 | 1889 | -3379 |
| 1890 | -3395 | 1891 | -2790 | 1892 | -1 | 1893 | 3630 | 1894 | 5204 | 1895 | 4098 |
| 1895 | 2051 | 1896 | 33 | 1898 | -2258 | 1899 | -4143 | 1900 | -4153 | 1901 | -2669 |
| 1902 | -1817 | 1903 | -2511 | 1904 | -3739 | 1904 | -4675 | 1906 | -5304 | 1907 | -5225 |
| 1908 | -4041 | 1909 | -2617 | 1910 | -1817 | 1911 | -544 | 1912 | 2704 | 1912 | 6880 |
| 1914 | 9327 | 1915 | 9261 | 1916 | 8101 | 1917 | 6739 | 1918 | 4659 | 1919 | 1713 |
| 1920 | -1126 | 1920 | -2932 | 1921 | -3498 | 1923 | -2958 | 1924 | -1736 | 1925 | -603 |
| 1926 | 81 | 1927 | 797 | 1928 | 1857 | 1929 | 2611 | 1929 | 2366 | 1931 | 1315 |
| 1932 | -95 | 1933 | -1745 | 1934 | -3055 | 1935 | -2893 | 1936 | -1395 | 1937 | -678 |
| 1937 | -2245 | 1939 | -4651 | 1940 | -5439 | 1941 | -4622 | 1942 | -4199 | 1943 | -4614 |
| 1944 | -4035 | 1945 | -1502 | 1945 | 1393 | 1946 | 2974 | 1948 | 3823 | 1949 | 5264 |
| 1950 | 6822 | 1951 | 6857 | 1952 | 5038 | 1953 | 2628 | 1954 | 618 | 1954 | -979 |
| 1956 | -2013 | 1957 | -1671 | 1958 | 420 | 1959 | 3302 | 1960 | 5444 | 1961 | 6299 |
| 1962 | 6704 | 1962 | 7367 | 1964 | 7091 | 1965 | 3666 | 1966 | -2644 | 1967 | -7769 |
| 1968 | -7919 | 1969 | -4338 | 1970 | -1643 | 1970 | -1833 | 1971 | -2883 | 1973 | -3334 |
| 1974 | -4541 | 1975 | -7015 | 1976 | -8005 | 1977 | -5166 | 1978 | -165 | 1979 | 3681 |
| 1979 | 5398 | 1981 | 5986 | 1982 | 5942 | 1983 | 5209 | 1984 | 4141 | 1985 | 2862 |
| 1986 | 913 | 1987 | -1454 | 1987 | -3113 | 1989 | -3804 | 1990 | -4177 | 1991 | -3681 |
| 1992 | -833 | 1993 | 3702 | 1994 | 6864 | 1995 | 7127 | 1995 | 6404 | 1996 | 6898 |
| 1998 | 8244 | 1999 | 9123 | 2000 | 9727 | 2001 | 10946 | 2002 | 12374 | 2003 | 12710 |
| 2004 | 11589 | 2004 | 9899 | 2006 | 8515 | 2007 | 7449 | 2008 | 6226 | 2009 | 4604 |
| 2010 | 2735 | 2011 | 838 | 2012 | -875 | 2012 | -1964 | 2014 | -2010 | 2015 | -1267 |
| 2016 | -369 | 2017 | 764 | 2018 | 2680 | 2019 | 4682 | 2020 | 4749 | 2020 | 2100 |
| 2021 | -1344 | 2023 | -3182 | 2024 | -3180 | 2025 | -2646 | 2026 | -2195 | 2027 | -1413 |
| 2028 | -108 | 2029 | 1181 | 2029 | 1623 | 2031 | 581 | 2032 | -1793 | 2033 | -4264 |
| 2034 | -5492 | 2035 | -5444 | 2036 | -5104 | 2037 | -4907 | 2037 | -4493 | 2039 | -3926 |

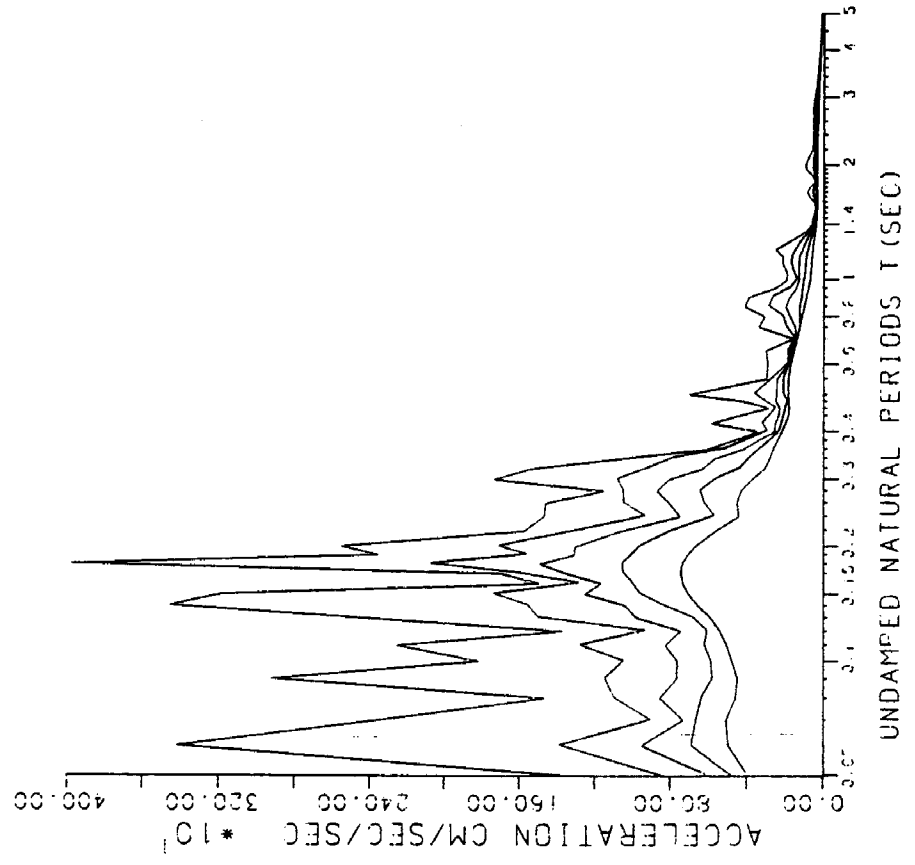
| | | | | | | | | | | | |
|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 2040 | -3950 | 2041 | -4832 | 2042 | -5892 | 2043 | -6399 | 2044 | -6162 | 2045 | -5283 |
| 2045 | -4038 | 2046 | -2957 | 2048 | -2325 | 2049 | -1811 | 2050 | -1193 | 2051 | -1053 |
| 2052 | -1960 | 2053 | -3465 | 2054 | -4812 | 2055 | -6141 | 2056 | -7858 | 2057 | -9231 |
| 2058 | -8938 | 2059 | -6957 | 2060 | -4694 | 2061 | -3157 | 2062 | -2038 | 2063 | -809 |
| 2064 | 339 | 2065 | 992 | 2066 | 1180 | 2067 | 1134 | 2068 | 944 | 2069 | 790 |
| 2070 | 1045 | 2071 | 1829 | 2072 | 2746 | 2073 | 3249 | 2074 | 3143 | 2075 | 2688 |
| 2076 | 2341 | 2077 | 2263 | 2078 | 1972 | 2079 | 879 | 2080 | -582 | 2081 | -952 |
| 2082 | 628 | 2083 | 3244 | 2084 | 5280 | 2085 | 6215 | 2086 | 6683 | 2087 | 7194 |
| 2088 | 7648 | 2089 | 7960 | 2090 | 8322 | 2091 | 8760 | 2092 | 9005 | 2093 | 8943 |
| 2094 | 8793 | 2095 | 8741 | 2096 | 8640 | 2097 | 8197 | 2098 | 7344 | 2099 | 6324 |
| 2100 | 5409 | 2101 | 4563 | 2102 | 3553 | 2103 | 2437 | 2104 | 1672 | 2105 | 1526 |
| 2106 | 1735 | 2107 | 1963 | 2108 | 2216 | 2109 | 2456 | 2110 | 2224 | 2111 | 1143 |
| 2112 | -448 | 2113 | -1836 | 2114 | -2656 | 2115 | -2931 | 2116 | -2669 | 2117 | -1913 |
| 2118 | -1036 | 2119 | -602 | 2120 | -980 | 2121 | -2152 | 2122 | -3617 | 2123 | -4455 |
| 2124 | -4033 | 2125 | -2854 | 2126 | -2190 | 2127 | -2610 | 2128 | -3434 | 2129 | -3888 |
| 2130 | -4082 | 2131 | -4379 | 2132 | -4574 | 2133 | -4415 | 2134 | -4285 | 2135 | -4510 |
| 2136 | -4499 | 2137 | -3534 | 2138 | -1932 | 2139 | -431 | 2140 | 1092 | 2141 | 2978 |
| 2142 | 4258 | 2143 | 3431 | 2144 | 750 | 2145 | -1927 | 2146 | -3754 | 2147 | -5541 |
| 2148 | -7300 | 2149 | -7245 | 2150 | -4520 | 2151 | -1197 | 2152 | 121 | 2153 | -492 |
| 2154 | -1136 | 2155 | -1124 | 2156 | -1326 | 2157 | -2075 | 2158 | -2620 | 2159 | -2576 |
| 2160 | -2415 | 2161 | -2411 | 2162 | -2283 | 2163 | -1970 | 2164 | -1751 | 2165 | -1524 |
| 2166 | -802 | 2167 | 450 | 2168 | 1663 | 2169 | 2389 | 2170 | 2659 | 2171 | 2629 |
| 2172 | 2383 | 2173 | 2074 | 2174 | 1834 | 2175 | 1588 | 2176 | 1244 | 2177 | 910 |
| 2178 | 683 | 2179 | 431 | 2180 | 58 | 2181 | -272 | 2182 | -459 | 2183 | -717 |
| 2184 | -1181 | 2185 | -1529 | 2186 | -1237 | 2187 | -16 | 2188 | 2072 | 2189 | 4461 |
| 2190 | 5967 | 2191 | 5709 | 2192 | 4093 | 2193 | 2600 | 2194 | 1838 | 2195 | 1067 |
| 2196 | -191 | 2197 | -1287 | 2198 | -1733 | 2199 | -2018 | 2200 | -2312 | 2201 | -1742 |
| 2202 | 52 | 2203 | 1852 | 2204 | 2430 | 2205 | 2023 | 2206 | 1300 | 2207 | 257 |
| 2208 | -840 | 2209 | -977 | 2210 | -58 | 2211 | 493 | 2212 | -27 | 2213 | -428 |
| 2214 | 27 | 2215 | -76 | 2216 | -1978 | 2217 | -4338 | 2218 | -5079 | 2219 | -4350 |
| 2220 | -3815 | 2221 | -4013 | 2222 | -4168 | 2223 | -3951 | 2224 | -3795 | 2225 | -3805 |
| 2226 | -3597 | 2227 | -3080 | 2228 | -2567 | 2229 | -2259 | 2230 | -2125 | 2231 | -2148 |
| 2232 | -2393 | 2233 | -2881 | 2234 | -3424 | 2235 | -3494 | 2236 | -2524 | 2237 | -614 |
| 2238 | 1380 | 2239 | 2691 | 2240 | 3125 | 2241 | 2595 | 2242 | 1005 | 2243 | -1028 |
| 2244 | -2215 | 2245 | -1969 | 2246 | -989 | 2247 | -22 | 2248 | 1060 | 2249 | 2337 |
| 2250 | 3047 | 2251 | 2581 | 2252 | 1481 | 2253 | 601 | 2254 | 17 | 2255 | -428 |
| 2256 | -347 | 2257 | 441 | 2258 | 1081 | 2259 | 663 | 2260 | -465 | 2261 | -1392 |
| 2262 | -2041 | 2263 | -2737 | 2264 | -2908 | 2265 | -1649 | 2266 | 597 | 2267 | 2284 |
| 2268 | 2756 | 2269 | 2830 | 2270 | 3281 | 2271 | 3797 | 2272 | 3688 | 2273 | 2764 |
| 2274 | 1296 | 2275 | -202 | 2276 | -1033 | 2277 | -744 | 2278 | 485 | 2279 | 2160 |
| 2280 | 3819 | 2281 | 4762 | 2282 | 4220 | 2283 | 2460 | 2284 | 980 | 2285 | 864 |
| 2286 | 1639 | 2287 | 2365 | 2288 | 3007 | 2289 | 3932 | 2290 | 4871 | 2291 | 5227 |
| 2292 | 4860 | 2293 | 4027 | 2294 | 3070 | 2295 | 2347 | 2296 | 1806 | 2297 | 719 |
| 2298 | -1203 | 2299 | -2722 | 2300 | -2394 | 2301 | -749 | 2302 | 362 | 2303 | 362 |
| 2304 | 251 | 2305 | 507 | 2306 | 473 | 2307 | -147 | 2308 | -840 | 2309 | -1435 |
| 2310 | -2279 | 2311 | -3269 | 2312 | -3991 | 2313 | -4688 | 2314 | -5804 | 2315 | -6794 |
| 2316 | -6601 | 2317 | -5101 | 2318 | -3019 | 2319 | -746 | 2320 | 1611 | 2321 | 3297 |
| 2322 | 3190 | 2323 | 1115 | 2324 | -1814 | 2325 | -4234 | 2326 | -5460 | 2327 | -5543 |
| 2328 | -4861 | 2329 | -3809 | 2330 | -2680 | 2331 | -1589 | 2332 | -410 | 2333 | 978 |
| 2334 | 2100 | 2335 | 2382 | 2336 | 1446 | 2337 | 367 | 2338 | -156 | 2339 | -881 |



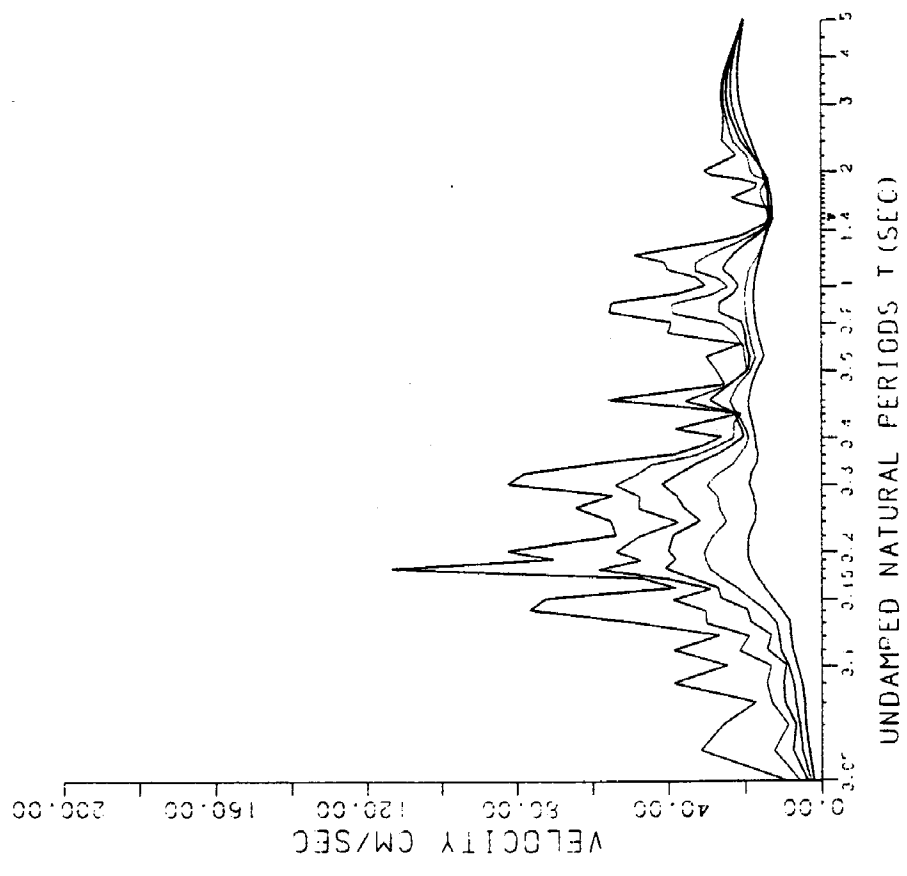
FOURIER SPECTRUM



RELATIVE DISPLACEMENT RESPONSE SPECTRUM



TOTAL ACCELERATION RESPONSE SPECTRUM



RELATIVE VELOCITY RESPONSE SPECTRUM

FOURIER AND RESPONSE SPECTRA

COMPONENT/IDENTIFIC., 86-1V
EPICENTER 37.10 N, 22.19 E
ALLUVIUM, OTE

$$ML = 5.5$$

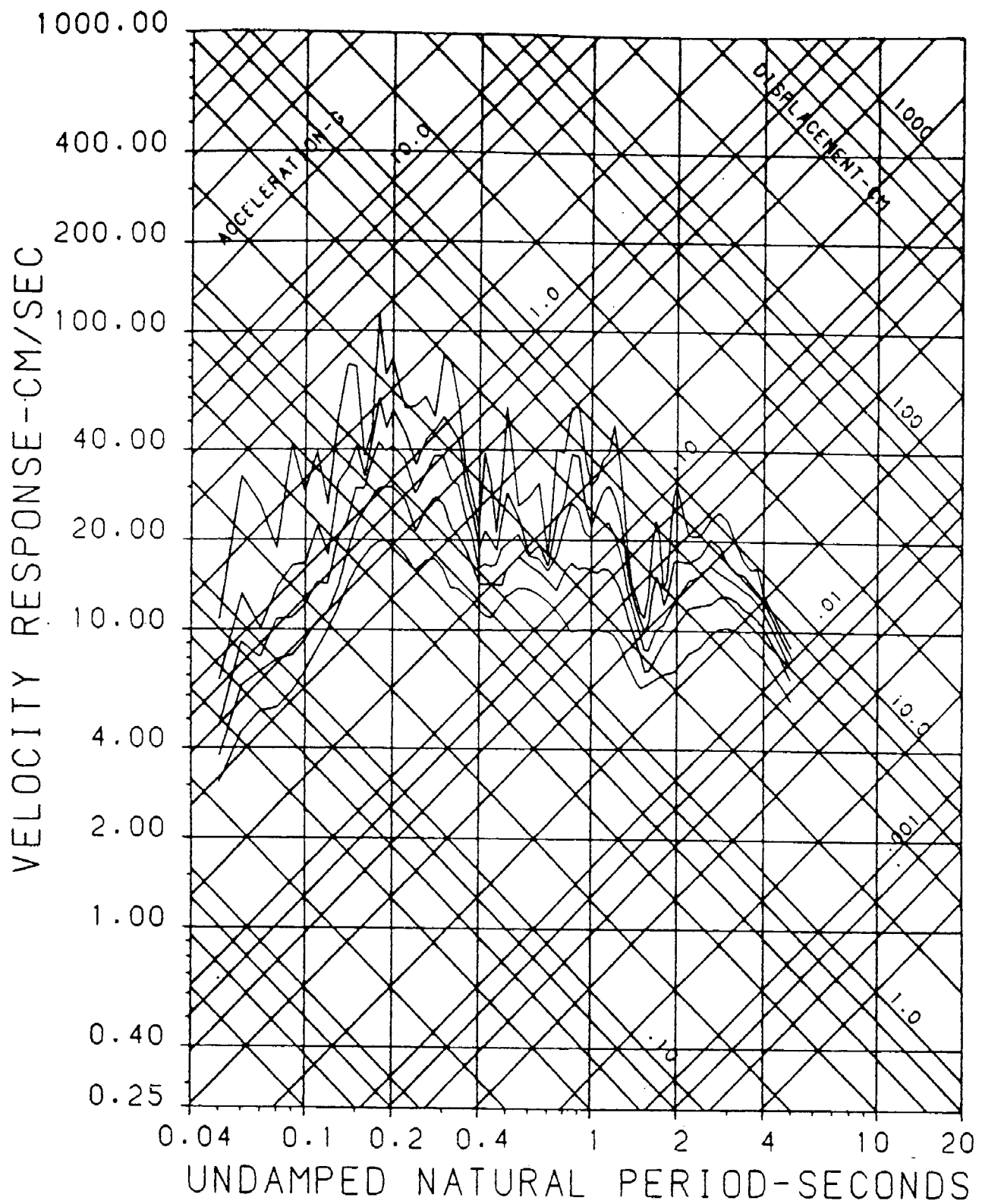
**EARTHQUAKE
EPICENTER INTENSITY X**

KALAMATA

COMPONENT/IDENTIFIC., 86-1V
EPICENTER 37.10 N, 22.19 E
ALLUVIUM, OTE

| 3 | PER SEC | D A M P I N G=0. 0 0 | | | | D A M P I N G=0. 0 2 | | | | D A M P I N G=0. 0 5 | | | | D A M P I N G=0. 1 0 | | | | D A M P I N G=0. 2 0 | | | |
|-----|------------|----------------------|----------------|------------------|--------|----------------------|----------------|------------------|--------|----------------------|----------------|------------------|--------|----------------------|----------------|------------------|--|----------------------|----------------|------------------|--|
| | | DISPL. CH | VELOC. CH/S | ACCEL. CH/S/S | | DISPL. CH | VELOC. CH/S | ACCEL. CH/S/S | | DISPL. CH | VELOC. CH/S | ACCEL. CH/S/S | | DISPL. CH | VELOC. CH/S | ACCEL. CH/S/S | | DISPL. CH | VELOC. CH/S | ACCEL. CH/S/S | |
| .05 | 1445-3 | 8500-5 | 9755-3 | 1342 0 | 5380-5 | 5899-3 | 8468-1 | 3750-5 | 3851-3 | 5931-1 | 2990-5 | 2950-3 | 4816-1 | 2440-5 | 2139-3 | 3941-1 | | | | | |
| .06 | 1269-2 | 3118-4 | 3164-2 | 3419 0 | 1259-4 | 1246-2 | 1386 0 | 8670-5 | 7559-3 | 9524-1 | 6190-5 | 5121-3 | 6902-1 | 4310-5 | 3295-3 | 4953-1 | | | | | |
| .07 | 1587-2 | 2919-4 | 2582-2 | 2351 0 | 1122-4 | 8828-3 | 9032-1 | 8960-5 | 6787-3 | 7300-1 | 8060-5 | 5752-3 | 6648-1 | 5920-5 | 4228-3 | 5070-1 | | | | | |
| .08 | 3110-3 | 2375-4 | 1726-2 | 24651 0 | 1776-4 | 1307-2 | 1096 0 | 1385-4 | 9652-3 | 8548-1 | 1012-4 | 6847-3 | 6356-1 | 6950-5 | 4530-3 | 4578-1 | | | | | |
| .09 | 3068-2 | 5994-4 | 3870-2 | 12921 0 | 2348-4 | 1435-2 | 1148 0 | 1569-4 | 1014-2 | 7646-1 | 1173-4 | 7440-3 | 5786-1 | 8840-5 | 5239-3 | 4482-1 | | | | | |
| .10 | 1439-2 | 4595-4 | 2466-2 | 1813 0 | 2658-4 | 1327-2 | 1047 0 | 1927-4 | 9423-3 | 7621-1 | 1472-4 | 8727-3 | 5853-1 | 1149-4 | 6541-3 | 4770-1 | | | | | |
| .11 | 3299-2 | 6914-4 | 3859-2 | 2255 0 | 3923-4 | 2145-2 | 1282 0 | 2523-4 | 1438-2 | 8269-1 | 1881-4 | 1067-2 | 6201-1 | 1500-4 | 7568-3 | 5038-1 | | | | | |
| .12 | 1927-2 | 4989-4 | 2662-2 | 1367 0 | 3396-4 | 1898-2 | 9306-1 | 2711-4 | 1332-2 | 7438-1 | 1288-4 | 1116-2 | 6065-1 | 1905-4 | 8117-3 | 5409-1 | | | | | |
| .13 | 2990-2 | 1051-3 | 4936-2 | 2457 0 | 6435-4 | 3009-2 | 1499 0 | 4166-4 | 1861-2 | 7979-1 | 2891-4 | 1187-2 | 6816-1 | 2422-4 | 8387-3 | 5885-1 | | | | | |
| .14 | 6738-2 | 1716-3 | 7664-2 | 3456 0 | 7711-4 | 3022-2 | 1554 0 | 5147-4 | 1954-2 | 1041 0 | 4056-4 | 1472-2 | 8373-1 | 3103-4 | 1061-2 | 6543-1 | | | | | |
| .15 | 1371-2 | 1813-3 | 7261-2 | 3182 0 | 9903-4 | 3862-2 | 1738 0 | 7114-4 | 2618-2 | 1253 0 | 5407-4 | 1852-2 | 9624-1 | 3814-4 | 1293-2 | 7049-1 | | | | | |
| .16 | 1308-2 | 9686-4 | 3803-2 | 1493 0 | 8293-4 | 2897-2 | 1282 0 | 7556-4 | 2707-2 | 1168 0 | 6389-4 | 2180-2 | 1000 0 | 4487-4 | 1502-2 | 7336-1 | | | | | |
| .17 | 1716-2 | 1245-3 | 4699-2 | 1700 0 | 1165-3 | 3993-2 | 1591 0 | 9839-4 | 3398-2 | 1352 0 | 7554-4 | 2570-2 | 1048 0 | 5120-4 | 1682-2 | 7442-1 | | | | | |
| .18 | 1024-1 | 3264-3 | 1136-1 | 3977 0 | 1699-3 | 5853-2 | 2077 0 | 1215-3 | 4087-2 | 1491 0 | 8531-4 | 2895-2 | 1058 0 | 5642-4 | 1823-2 | 7351-1 | | | | | |
| .19 | 1604-2 | 2152-3 | 7038-2 | 2353 0 | 1421-3 | 4725-2 | 1558 0 | 1193-3 | 3806-2 | 1308 0 | 9046-4 | 3016-2 | 1005 0 | 6024-4 | 1917-2 | 7086-1 | | | | | |
| .20 | 4166-2 | 2592-3 | 8271-2 | 2558 0 | 1737-3 | 5390-2 | 1711 0 | 1308-3 | 4005-2 | 1303 0 | 9351-4 | 3064-2 | 9640-1 | 6264-4 | 1940-2 | 6692-1 | | | | | |
| .22 | 1400-2 | 1926-3 | 5383-2 | 1571 0 | 1595-3 | 4772-2 | 1300 0 | 1302-3 | 3882-2 | 1060 0 | 9352-4 | 2851-2 | 7943-1 | 6294-4 | 1922-2 | 5628-1 | | | | | |
| .24 | 3985-2 | 2140-3 | 5530-2 | 1467 0 | 1357-3 | 3742-2 | 9317-1 | 1089-3 | 3173-2 | 7471-1 | 8157-4 | 2486-2 | 5691-1 | 6015-4 | 1745-2 | 4429-1 | | | | | |
| .26 | 4576-2 | 2501-3 | 6 | | | | | | | | | | | | | | | | | | |

0.2.5.10.20 PERCENT CRITICAL DAMPING



Σ υ ν ι σ τ ῶ σ α

86-1T

(TRANS)

Διαγράμματα διορθωμένης εδαφικής:

- Επιτάχυνσης (cm sec^{-2})
- Ταχύτητας (cm sec^{-1})
- Μετακίνησης (cm)

Πίνακας τιμών αδιόρθωτης και διορθωμένης εδαφικής:

- Επιτάχυνσης ($10^{-3} \text{ x cm sec}^{-2}$)

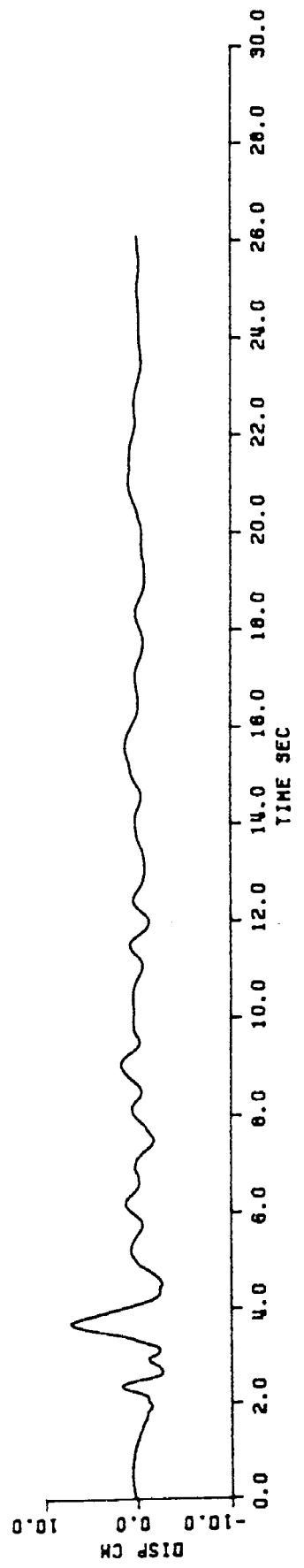
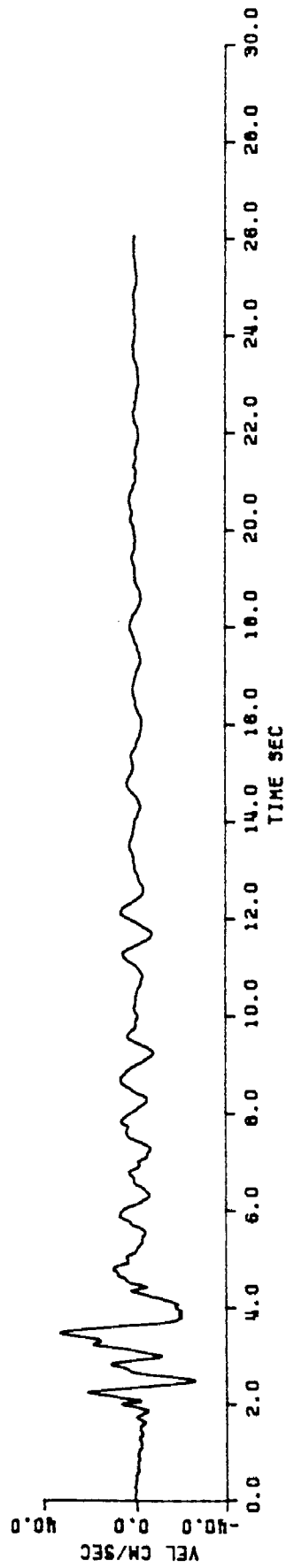
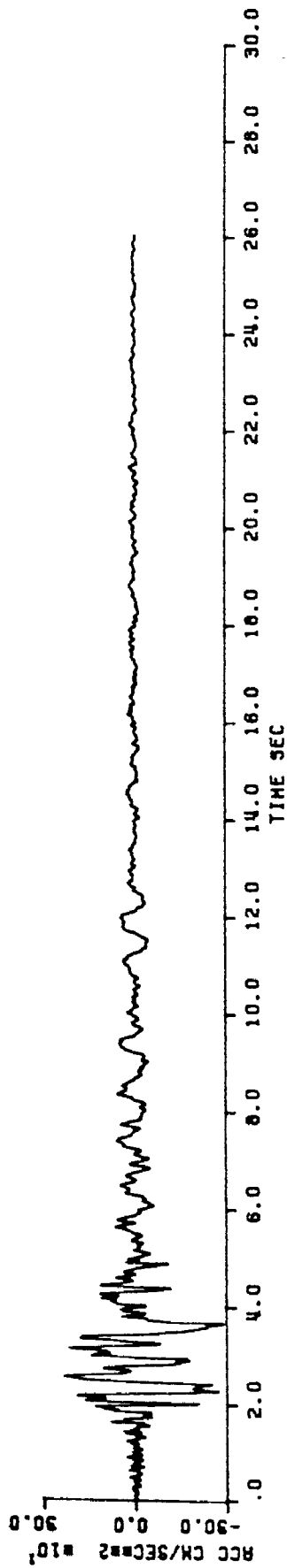
Διαγράμματα πραγματικών φασμάτων σε λογαριθμικές-κανονικές κλίμακες:

- Fourier
- Σχετικών Μετακινήσεων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$
- Σχετικών Ταχυτήτων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$
- Ολικών Επιταχύνσεων για $\zeta=0\%, 2\%, 5\%, 10\%, 20\%$

Πίνακας φασματικών τιμών για περίοδο χωρίς απόσβεση:

$T=0.05, 0.06, 0.07, 0.08, \dots, 4.0, 4.5, 5.0$ (sec) των προηγούμενων
διαγραμμάτων.

Διαγράμματα ψευδοφασμάτων σε τετραλογαριθμικές κλίμακες για $\zeta=0\%$,
 $2\%, 5\%, 10\%, 20\%$.



13-9-86
NUMBER OF ACC VALUES=1451

M L = 5.5

EARTHQUAKE

KALAMATA

COMPONENT/IDENTIFIC.,86-IT

EPICENTER INTENSITY X

EPICENTER 37.10 N, 22.19 E
ALLUVIUM, OTE

ACCELERATION VALUE (CM*(SEC-2)) = VALUE/1000.
TIME VALUE (SEC) = VALUE/1000.

AT TIME = 3.681 SEC

ACCELERATION PEAK VALUE = -296.64 CM*(SEC-2)

172

| TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC | TIME | UNC ACC |
|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|
| 0 | 0 | 35 | -8050 | 43 | 1238 | 68 | -9289 | 78 | -1238 | 101 | -5573 | 101 | -5573 | 101 | -5573 | 101 | -5573 | 101 | -5573 |
| 118 | 619 | 138 | -5573 | 156 | -13624 | 169 | -8050 | 176 | -1857 | 191 | -12386 | 191 | -12386 | 191 | -12386 | 191 | -12386 | 191 | -12386 |
| 219 | -4335 | 231 | 5573 | 239 | 11147 | 267 | -3096 | 277 | 8670 | 287 | 1857 | 287 | 1857 | 287 | 1857 | 287 | 1857 | 287 | 1857 |
| 294 | 10528 | 302 | 1238 | 307 | -13624 | 325 | -21056 | 337 | -15482 | 347 | -6193 | 347 | -6193 | 347 | -6193 | 347 | -6193 | 347 | -6193 |
| 352 | 0 | 375 | -9289 | 382 | 0 | 393 | -6193 | 405 | 6192 | 415 | 619 | 415 | 619 | 415 | 619 | 415 | 619 | 415 | 619 |
| 430 | -13005 | 443 | -19198 | 450 | -21056 | 458 | -17340 | 468 | -2477 | 478 | -7431 | 478 | -7431 | 478 | -7431 | 478 | -7431 | 478 | -7431 |
| 488 | 1857 | 496 | 13005 | 503 | 22294 | 516 | 14863 | 533 | -11766 | 541 | -21675 | 541 | -21675 | 541 | -21675 | 541 | -21675 | 541 | -21675 |
| 556 | -14243 | 576 | -21056 | 591 | -22914 | 601 | -14243 | 609 | -6812 | 629 | -16721 | 629 | -16721 | 629 | -16721 | 629 | -16721 | 629 | -16721 |
| 637 | -5573 | 649 | 16721 | 654 | 21056 | 677 | -619 | 682 | -5573 | 694 | 4954 | 694 | 4954 | 694 | 4954 | 694 | 4954 | 694 | 4954 |
| 705 | -1238 | 707 | -5573 | 720 | -28487 | 725 | -36538 | 730 | -29726 | 737 | -3096 | 737 | -3096 | 737 | -3096 | 737 | -3096 | 737 | -3096 |
| 745 | 11766 | 750 | 13624 | 767 | 4954 | 780 | -9908 | 795 | 6192 | 805 | -5573 | 805 | -5573 | 805 | -5573 | 805 | -5573 | 805 | -5573 |
| 823 | -19817 | 840 | -1857 | 848 | -7431 | 861 | -21675 | 873 | -26629 | 881 | -22294 | 881 | -22294 | 881 | -22294 | 881 | -22294 | 881 | -22294 |
| 886 | 4954 | 898 | 17340 | 916 | 8670 | 931 | 29107 | 946 | 20436 | 954 | -14863 | 954 | -14863 | 954 | -14863 | 954 | -14863 | 954 | -14863 |
| 964 | -19817 | 974 | -29107 | 986 | -20436 | 1001 | -16101 | 1007 | -11147 | 1014 | 2477 | 1014 | 2477 | 1014 | 2477 | 1014 | 2477 | 1014 | 2477 |
| 1024 | 9908 | 1037 | 4335 | 1042 | -3715 | 1057 | -18579 | 1062 | -24772 | 1079 | -11766 | 1079 | -11766 | 1079 | -11766 | 1079 | -11766 | 1079 | -11766 |
| 1090 | -18579 | 1102 | -32203 | 1107 | -22294 | 1122 | 8670 | 1140 | 0 | 1147 | 6192 | 1147 | 6192 | 1147 | 6192 | 1147 | 6192 | 1147 | 6192 |
| 1150 | 0 | 1160 | 4954 | 1180 | -15482 | 1193 | -9908 | 1215 | 13005 | 1230 | 2477 | 1230 | 2477 | 1230 | 2477 | 1230 | 2477 | 1230 | 2477 |
| 1243 | -13005 | 1251 | -2477 | 1261 | 29107 | 1263 | 33442 | 1281 | 17959 | 1286 | 8670 | 1286 | 8670 | 1286 | 8670 | 1286 | 8670 | 1286 | 8670 |
| 1301 | -1238 | 1316 | -11147 | 1331 | -27868 | 1339 | -39015 | 1349 | -34680 | 1361 | -26629 | 1361 | -26629 | 1361 | -26629 | 1361 | -26629 | 1361 | -26629 |
| 1364 | -17959 | 1371 | -6812 | 1379 | -1238 | 1399 | -12386 | 1407 | -6193 | 1409 | 2477 | 1409 | 2477 | 1409 | 2477 | 1409 | 2477 | 1409 | 2477 |
| 1419 | 29726 | 1432 | 18578 | 1439 | -16721 | 1447 | -29107 | 1452 | -19817 | 1464 | 26629 | 1464 | 26629 | 1464 | 26629 | 1464 | 26629 | 1464 | 26629 |
| 1467 | 26629 | 1469 | 41493 | 1480 | 26629 | 1487 | -1857 | 1502 | -16721 | 1520 | 7431 | 1520 | 7431 | 1520 | 7431 | 1520 | 7431 | 1520 | 7431 |
| 1537 | -4335 | 1547 | -14243 | 1555 | -2477 | 1575 | -21675 | 1580 | -34061 | 1590 | -47686 | 1590 | -47686 | 1590 | -47686 | 1590 | -47686 | 1590 | -47686 |
| 1598 | -48924 | 1605 | -34061 | 1613 | -6812 | 1628 | -23533 | 1641 | -32822 | 1646 | -22914 | 1646 | -22914 | 1646 | -22914 | 1646 | -22914 | 1646 | -22914 |
| 1648 | -8670 | 1663 | 74315 | 1671 | 87940 | 1676 | 78031 | 1691 | 37777 | 1693 | 28487 | 1693 | 28487 | 1693 | 28487 | 1693 | 28487 | 1693 | 28487 |
| 1698 | 22294 | 1706 | 11766 | 1714 | 19817 | 1719 | 31584 | 1726 | 43350 | 1736 | 30345 | 1736 | 30345 | 1736 | 30345 | 1736 | 30345 | 1736 | 30345 |
| 1741 | 14243 | 1751 | -21675 | 1759 | -37777 | 1761 | -53879 | 1769 | -64407 | 1776 | -59452 | 1776 | -59452 | 1776 | -59452 | 1776 | -59452 | 1776 | -59452 |
| 1779 | -43970 | 1792 | -30345 | 1797 | -29726 | 1804 | -34680 | 1824 | -53879 | 1839 | -37777 | 1839 | -37777 | 1839 | -37777 | 1839 | -37777 | 1839 | -37777 |
| 1862 | -53259 | 1867 | -44589 | 1872 | -35300 | 1875 | -21056 | 1882 | 32203 | 1892 | 73077 | 1892 | 73077 | 1892 | 73077 | 1892 | 73077 | 1892 | 73077 |
| 1900 | 82366 | 1920 | 58833 | 1927 | 58214 | 1932 | 68122 | 1935 | 79270 | 1943 | 102803 | 1943 | 102803 | 1943 | 102803 | 1943 | 102803 | 1943 | 102803 |
| 1945 | 111473 | 1975 | 86701 | 1978 | 92895 | 1983 | 105900 | 1990 | 135626 | 2003 | 122621 | 2003 | 122621 | 2003 | 122621 | 2003 | 122621 | 2003 | 122621 |
| 2036 | -175881 | 2041 | -191983 | 2043 | -209942 | 2051 | -226044 | 2058 | -208704 | 2061 | -193221 | 2061 | -193221 | 2061 | -193221 | 2061 | -193221 | 2061 | -193221 |
| 2066 | -173404 | 2096 | 131910 | 2101 | 152967 | 2106 | 167210 | 2109 | 179596 | 2124 | 172165 | 2124 | 172165 | 2124 | 172165 | 2124 | 172165 | 2124 | 172165 |
| 2139 | 146774 | 2156 | 115189 | 2161 | 105900 | 2179 | 92275 | 2184 | 100945 | 2189 | 110235 | 2189 | 110235 | 2189 | 110235 | 2189 | 110235 | 2189 | 110235 |
| 2209 | 170926 | 2212 | 179596 | 2219 | 191982 | 2234 | 185790 | 2239 | 160398 | 2282 | -217374 | 2282 | -217374 | 2282 | -217374 | 2282 | -217374 | 2282 | -217374 |
| 2287 | -247100 | 2290 | -258867 | 2300 | -286116 | 2310 | -273111 | 2330 | -227902 | 2353 | -188886 | 2353 | -188886 | 2353 | -188886 | 2353 | -188886 | 2353 | -188886 |
| 2373 | -198795 | 2395 | -220470 | 2413 | -202511 | 2421 | -208084 | 2433 | -245862 | 2443 | -259486 | 2443 | -259486 | 2443 | -259486 | 2443 | -259486 | 2443 | -259486 |
| 2448 | -248339 | 2458 | -214277 | 2534 | 125717 | 2554 | 175261 | 2572 | 196318 | 2584 | 208084 | 2584 | 208084 | 2584 | 208084 | 2584 | 208084 | 2584 | 208084 |
| 2609 | 215516 | 2614 | 222328 | 2622 | 237811 | 2635 | 221090 | 2675 | 62549 | 2677 | 45208 | 2677 | 45208 | 2677 | 45208 | 2677 | 45208 | 2677 | 45208 |
| 2685 | 39635 | 2695 | 21056 | 2707 | 33442 | 2718 | 27868 | 2738 | 10528 | 2748 | 21675 | 2748 | 21675 | 2748 | 21675 | 2748 | 21675 | 2748 | 21675 |

| | | | | | | | | | | | |
|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|
| 2773 | 91037 | 2780 | 101565 | 2788 | 110854 | 2803 | 97230 | 2813 | 85463 | 2823 | 66265 |
| 2833 | 34680 | 2869 | -117667 | 2874 | -135007 | 2881 | -142439 | 2894 | -161637 | 2899 | -151109 |
| 2909 | -130672 | 2919 | -139961 | 2929 | -166591 | 2939 | -177119 | 2949 | -183312 | 2962 | -175261 |
| 2972 | -174023 | 2979 | -169068 | 2984 | -161637 | 2987 | -153586 | 2989 | -138723 | 2994 | -121382 |
| 3007 | -15482 | 3012 | 1857 | 3017 | 13624 | 3025 | 26629 | 3032 | 46447 | 3037 | 66884 |
| 3052 | 130672 | 3065 | 154205 | 3077 | 146154 | 3095 | 105280 | 3103 | 92895 | 3115 | 74935 |
| 3133 | 104661 | 3158 | 93514 | 3160 | 103423 | 3178 | 164733 | 3186 | 178977 | 3196 | 194460 |
| 3208 | 208084 | 3218 | 226044 | 3221 | 227902 | 3223 | 214897 | 3228 | 201891 | 3261 | -16101 |
| 3264 | -32203 | 3271 | -54498 | 3279 | -71219 | 3284 | -81128 | 3291 | -89179 | 3306 | -81128 |
| 3311 | -71219 | 3314 | -60691 | 3321 | -30965 | 3329 | -1857 | 3344 | 28487 | 3354 | 48924 |
| 3367 | 71219 | 3377 | 88559 | 3384 | 110854 | 3397 | 140581 | 3399 | 166591 | 3407 | 177119 |
| 3410 | 185170 | 3422 | 177739 | 3435 | 181454 | 3445 | 181454 | 3450 | 176500 | 3455 | 166591 |
| 3460 | 153586 | 3467 | 138103 | 3490 | -49544 | 3495 | -62549 | 3498 | -73077 | 3505 | -81128 |
| 3513 | -89798 | 3518 | -95991 | 3523 | -110235 | 3535 | -143058 | 3540 | -157302 | 3548 | -168449 |
| 3555 | -174642 | 3560 | -180216 | 3568 | -187028 | 3576 | -200033 | 3583 | -211181 | 3591 | -219232 |
| 3606 | -229760 | 3631 | -244004 | 3644 | -238430 | 3649 | -243384 | 3656 | -250816 | 3671 | -283639 |
| 3674 | -286735 | 3681 | -296644 | 3699 | -278065 | 3704 | -265060 | 3709 | -243384 | 3711 | -204369 |
| 3719 | -170926 | 3727 | -142439 | 3729 | -110854 | 3742 | -96610 | 3752 | -83605 | 3764 | -63168 |
| 3777 | -44589 | 3789 | -37777 | 3812 | -42731 | 3817 | -35300 | 3832 | -16721 | 3842 | 10528 |
| 3852 | 30345 | 3860 | 46447 | 3873 | 39635 | 3878 | 26629 | 3893 | -13005 | 3895 | -21056 |
| 3903 | -26010 | 3908 | -35919 | 3913 | -42112 | 3925 | -38396 | 3933 | -30965 | 3935 | -24772 |
| 3943 | -13624 | 3963 | 32822 | 3971 | 43350 | 3993 | 35919 | 4006 | 46447 | 4013 | 42731 |
| 4021 | 34061 | 4023 | 27868 | 4051 | -24772 | 4056 | -31584 | 4064 | -39015 | 4074 | -42731 |
| 4079 | -29107 | 4101 | 26010 | 4109 | 51401 | 4142 | 65645 | 4164 | 61310 | 4185 | 79889 |
| 4217 | 61310 | 4227 | 66884 | 4235 | 104042 | 4242 | 114570 | 4255 | 100945 | 4270 | 60072 |
| 4283 | 44589 | 4293 | 55736 | 4300 | 63787 | 4318 | 102184 | 4330 | 117047 | 4343 | 108377 |
| 4348 | 96610 | 4351 | 81128 | 4356 | 60072 | 4378 | -31584 | 4383 | -50782 | 4393 | -70600 |
| 4401 | -85463 | 4411 | -100945 | 4419 | -111474 | 4426 | -125717 | 4434 | -119524 | 4439 | -109616 |
| 4444 | -99088 | 4449 | -83605 | 4471 | 56356 | 4476 | 69980 | 4481 | 84844 | 4489 | 101565 |
| 4492 | 110235 | 4502 | 119524 | 4519 | 112093 | 4529 | 98468 | 4534 | 82366 | 4544 | 58833 |
| 4552 | 37157 | 4559 | 25391 | 4570 | 13624 | 4592 | 4954 | 4605 | 4335 | 4612 | 9908 |
| 4627 | 14863 | 4632 | 23533 | 4640 | 36538 | 4650 | 55736 | 4660 | 66265 | 4670 | 56975 |
| 4678 | 50163 | 4690 | 32203 | 4703 | 6812 | 4710 | -619 | 4723 | -8050 | 4733 | -5573 |
| 4741 | 1857 | 4751 | 10528 | 4766 | 26010 | 4776 | 37157 | 4793 | 29107 | 4806 | 15482 |
| 4811 | 8670 | 4834 | 4335 | 4844 | -5573 | 4871 | -33442 | 4889 | -61310 | 4899 | -72458 |
| 4919 | -98468 | 4929 | -112712 | 4939 | -98468 | 4947 | -85463 | 4949 | -69361 | 4960 | 21056 |
| 4962 | 36538 | 4972 | 31584 | 4985 | 1857 | 4992 | -9908 | 5002 | -22294 | 5015 | -15482 |
| 5025 | 4954 | 5035 | 19198 | 5040 | 21675 | 5055 | 9908 | 5073 | -16721 | 5085 | -26629 |
| 5103 | -27249 | 5116 | -37158 | 5128 | -47686 | 5143 | -54498 | 5156 | -52021 | 5163 | -47686 |
| 5171 | -41493 | 5186 | -24772 | 5196 | -9289 | 5199 | -3715 | 5209 | 1857 | 5224 | -6812 |
| 5239 | -16721 | 5244 | -20436 | 5272 | -13624 | 5302 | -24152 | 5324 | -13624 | 5360 | -34061 |
| 5370 | -26010 | 5390 | -1238 | 5392 | 4335 | 5402 | 8670 | 5435 | -619 | 5445 | 2477 |
| 5460 | -4954 | 5478 | -17340 | 5503 | -23533 | 5518 | -30345 | 5536 | -22914 | 5553 | -6193 |
| 5563 | 6192 | 5591 | 3096 | 5624 | 26010 | 5649 | 22914 | 5664 | 30345 | 5682 | 54498 |
| 5694 | 65026 | 5717 | 56356 | 5724 | 48305 | 5752 | 11147 | 5757 | 3096 | 5767 | -3715 |
| 5775 | -7431 | 5780 | -6812 | 5787 | 0 | 5795 | 14863 | 5810 | 37777 | 5818 | 48924 |
| 5828 | 55736 | 5830 | 56356 | 5850 | 48924 | 5860 | 40254 | 5878 | 33442 | 5891 | 22294 |
| 5918 | -2477 | 5936 | -8670 | 5964 | -13005 | 5971 | -19198 | 5989 | -23533 | 6006 | -26629 |
| 6016 | -21675 | 6024 | -15482 | 6034 | -14863 | 6042 | -19198 | 6049 | -23533 | 6064 | -32203 |
| 6077 | -42731 | 6094 | -51401 | 6104 | -58833 | 6112 | -63787 | 6127 | -66265 | 6140 | -60691 |

| | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 6150 | -56975 | 6162 | -53879 | 6180 | -48305 | 6195 | -43351 | 6203 | -38396 | 6213 | -33442 |
| 6220 | -27868 | 6233 | -30965 | 6243 | -34680 | 6265 | -43351 | 6273 | -37777 | 6288 | -34680 |
| 6313 | -29726 | 6321 | -24152 | 6328 | -18579 | 6341 | -7431 | 6356 | 10528 | 6364 | 21056 |
| 6381 | 29107 | 6406 | 21675 | 6424 | 14863 | 6447 | 16101 | 6464 | 11766 | 6477 | 17340 |
| 6489 | 24152 | 6505 | 30965 | 6522 | 35919 | 6527 | 40254 | 6545 | 43350 | 6560 | 40873 |
| 6570 | 35300 | 6575 | 29726 | 6580 | 21056 | 6593 | 9289 | 6600 | 3096 | 6613 | -8670 |
| 6623 | -4335 | 6628 | -4335 | 6645 | -10528 | 6666 | -2477 | 6683 | 4335 | 6696 | 7431 |
| 6716 | 22294 | 6733 | 26629 | 6756 | 21056 | 6786 | 8050 | 6806 | -9908 | 6839 | -25391 |
| 6852 | -38396 | 6867 | -45208 | 6882 | -52021 | 6897 | -55737 | 6910 | -48305 | 6920 | -40873 |
| 6922 | -34680 | 6935 | -21056 | 6947 | -7431 | 6955 | 1238 | 6967 | 10528 | 6983 | 15482 |
| 7000 | 8050 | 7013 | 619 | 7025 | -12386 | 7033 | -22294 | 7051 | -34061 | 7063 | -40254 |
| 7086 | -51401 | 7101 | -50163 | 7108 | -43970 | 7126 | -29107 | 7136 | -17340 | 7154 | -10528 |
| 7179 | -3715 | 7191 | 619 | 7204 | -5573 | 7232 | -22914 | 7244 | -27868 | 7259 | -24152 |
| 7272 | -21675 | 7287 | -8670 | 7302 | 6812 | 7327 | 22294 | 7335 | 31584 | 7355 | 36538 |
| 7390 | 29107 | 7400 | 34680 | 7425 | 42731 | 7458 | 56975 | 7486 | 52640 | 7508 | 45208 |
| 7521 | 37157 | 7546 | 15482 | 7564 | 6812 | 7576 | 4954 | 7602 | 4954 | 7612 | 3715 |
| 7622 | 1238 | 7652 | -4335 | 7662 | -1857 | 7667 | -6193 | 7685 | -15482 | 7695 | -21056 |
| 7707 | -24152 | 7720 | -17959 | 7730 | -12386 | 7737 | -3715 | 7742 | 4335 | 7750 | 12385 |
| 7755 | 19198 | 7765 | 27868 | 7775 | 33442 | 7780 | 39635 | 7795 | 42731 | 7808 | 37157 |
| 7821 | 30345 | 7836 | 20436 | 7853 | 2477 | 7868 | -14863 | 7878 | -16721 | 7893 | -27868 |
| 7911 | -24772 | 7926 | -20436 | 7951 | -24772 | 7979 | -30965 | 8004 | -26629 | 8029 | -30965 |
| 8055 | -35300 | 8090 | -42112 | 8107 | -35300 | 8120 | -28487 | 8138 | -21056 | 8158 | -22294 |
| 8175 | -28487 | 8193 | -38396 | 8203 | -42112 | 8218 | -37158 | 8233 | -34680 | 8253 | -26629 |
| 8271 | -14243 | 8294 | 2477 | 8309 | 4954 | 8329 | 4335 | 8354 | 6812 | 8364 | 18578 |
| 8372 | 27868 | 8392 | 47066 | 8402 | 52021 | 8412 | 55736 | 8432 | 54498 | 8440 | 50782 |
| 8450 | 43970 | 8475 | 30345 | 8487 | 26010 | 8507 | 22914 | 8523 | 26629 | 8550 | 23533 |
| 8558 | 29107 | 8573 | 35919 | 8578 | 39635 | 8590 | 37157 | 8611 | 29107 | 8631 | 22914 |
| 8658 | 16101 | 8679 | 9908 | 8689 | 6192 | 8706 | 619 | 8711 | -1857 | 8726 | -3715 |
| 8749 | -5573 | 8757 | -11147 | 8759 | -13624 | 8772 | -15482 | 8777 | -21675 | 8787 | -22294 |
| 8799 | -27868 | 8809 | -27868 | 8824 | -24772 | 8840 | -21056 | 8857 | -19198 | 8872 | -13005 |
| 8890 | -17340 | 8902 | -22914 | 8928 | -31584 | 8930 | -27249 | 8948 | -21675 | 8963 | -26010 |
| 8983 | -37777 | 9003 | -35300 | 9026 | -32822 | 9041 | -37777 | 9051 | -44589 | 9074 | -48924 |
| 9086 | -42112 | 9094 | -32822 | 9099 | -26529 | 9104 | -23533 | 9139 | -32203 | 9177 | -35919 |
| 9202 | -35300 | 9220 | -29726 | 9230 | -26010 | 9250 | -17959 | 9260 | -1238 | 9293 | 13624 |
| 9328 | 29107 | 9368 | 37777 | 9401 | 43970 | 9443 | 47066 | 9496 | 37777 | 9514 | 42112 |
| 9532 | 48305 | 9562 | 27868 | 9584 | 8670 | 9605 | -3096 | 9630 | -4335 | 9685 | -16101 |
| 9710 | -23533 | 9733 | -29726 | 9750 | -30345 | 9763 | -22294 | 9783 | -18579 | 9798 | -14863 |
| 9806 | -9908 | 9808 | -6193 | 9811 | 619 | 9836 | 4954 | 9851 | 4954 | 9874 | 4954 |
| 9889 | 2477 | 9899 | -3715 | 9917 | -9289 | 9932 | -13624 | 9947 | -16101 | 9962 | -13624 |
| 9977 | -10528 | 10000 | -4335 | 10012 | 3096 | 10035 | 6812 | 10042 | 9908 | 10060 | 14863 |
| 10065 | 21056 | 10075 | 23533 | 10085 | 24152 | 10095 | 20436 | 10103 | 14863 | 10113 | 9908 |
| 10123 | 7431 | 10130 | 5573 | 10168 | 3715 | 10178 | -3096 | 10196 | -8670 | 10206 | -16721 |
| 10216 | -13005 | 10226 | -4335 | 10239 | -1238 | 10254 | -619 | 10261 | -4335 | 10264 | -6193 |
| 10274 | -4335 | 10281 | 0 | 10294 | 4335 | 10314 | 5573 | 10319 | 1857 | 10329 | 0 |
| 10339 | -1857 | 10344 | -3715 | 10357 | -3715 | 10364 | 0 | 10380 | 6192 | 10392 | 5573 |
| 10402 | -619 | 10417 | -4954 | 10422 | -6193 | 10435 | -11147 | 10440 | -13005 | 10463 | -9289 |
| 10473 | -5573 | 10480 | -619 | 10495 | -619 | 10513 | -3715 | 10528 | -1238 | 10536 | 1857 |
| 10546 | -619 | 10551 | -3715 | 10556 | -4335 | 10566 | -5573 | 10576 | -8670 | 10593 | -13624 |
| 10616 | -21675 | 10629 | -16101 | 10644 | -9908 | 10664 | -1857 | 10684 | -2477 | 10699 | -1238 |
| 10727 | 0 | 10752 | -3096 | 10770 | -9908 | 10780 | -14243 | 10795 | -13005 | 10805 | -6812 |

| | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 10822 | -1238 | 10832 | 6812 | 10837 | 6812 | 10853 | 9908 | 10863 | 10528 | 10880 | 12385 |
| 10893 | 15482 | 10913 | 17340 | 10926 | 13624 | 10946 | 13005 | 10948 | 15482 | 10971 | 14243 |
| 10976 | 13005 | 10996 | 17340 | 11019 | 17959 | 11041 | 19817 | 11049 | 22914 | 11061 | 29107 |
| 11072 | 30965 | 11097 | 33442 | 11127 | 35300 | 11152 | 36538 | 11162 | 32822 | 11195 | 19198 |
| 11212 | 22914 | 11235 | 25391 | 11250 | 16101 | 11280 | 5573 | 11295 | -2477 | 11313 | -13005 |
| 11331 | -22914 | 11366 | -23533 | 11389 | -30965 | 11426 | -40254 | 11469 | -37158 | 11524 | -38396 |
| 11560 | -46447 | 11577 | -38396 | 11600 | -34680 | 11628 | -25391 | 11638 | -18579 | 11690 | -9289 |
| 11723 | 6812 | 11751 | 24152 | 11781 | 34061 | 11836 | 39015 | 11862 | 35919 | 11889 | 37777 |
| 11922 | 32822 | 11975 | 38396 | 12020 | 45828 | 12033 | 42112 | 12073 | 42731 | 12103 | 32203 |
| 12138 | 8050 | 12166 | -4954 | 12191 | -8050 | 12216 | -6193 | 12231 | -11147 | 12254 | -22914 |
| 12277 | -30345 | 12292 | -30345 | 12330 | -35919 | 12345 | -32822 | 12362 | -28487 | 12380 | -24772 |
| 12405 | -26629 | 12438 | -28487 | 12468 | -29107 | 12493 | -25391 | 12513 | -19198 | 12538 | -11147 |
| 12564 | -1857 | 12591 | 5573 | 12611 | 1857 | 12639 | -3096 | 12652 | 1238 | 12669 | 9289 |
| 12689 | 14243 | 12712 | 17959 | 12735 | 22294 | 12755 | 22294 | 12770 | 17959 | 12783 | 10528 |
| 12803 | 4335 | 12823 | 6812 | 12858 | 7431 | 12883 | 6812 | 12903 | 3096 | 12913 | 7431 |
| 12923 | 11766 | 12956 | 16721 | 12996 | 17340 | 13029 | 8670 | 13037 | 5573 | 13064 | -1238 |
| 13092 | -3715 | 13110 | 5573 | 13122 | 10528 | 13137 | 10528 | 13163 | 7431 | 13190 | 4335 |
| 13215 | -1238 | 13241 | 1857 | 13268 | 4954 | 13288 | 9289 | 13316 | 8050 | 13354 | 6192 |
| 13379 | 11766 | 13407 | 14863 | 13434 | 16721 | 13447 | 11766 | 13459 | 6192 | 13472 | 3096 |
| 13497 | 4954 | 13517 | 5573 | 13537 | 2477 | 13553 | -1238 | 13570 | -5573 | 13575 | -4335 |
| 13613 | -4335 | 13648 | -4335 | 13671 | -8050 | 13721 | -6193 | 13744 | -4335 | 13774 | -619 |
| 13807 | 3096 | 13837 | -1857 | 13865 | -4335 | 13900 | -2477 | 13925 | -4954 | 13950 | -619 |
| 13958 | -619 | 13998 | 3715 | 14026 | 0 | 14051 | -8670 | 14073 | -19198 | 14101 | -15482 |
| 14114 | -9289 | 14131 | -3096 | 14149 | 619 | 14189 | -4954 | 14209 | -8670 | 14232 | -12386 |
| 14255 | -14243 | 14267 | -7431 | 14282 | -3715 | 14290 | 1857 | 14305 | 5573 | 14320 | 13005 |
| 14348 | 11147 | 14390 | 4954 | 14426 | 7431 | 14461 | 16101 | 14526 | 16101 | 14579 | 27249 |
| 14609 | 17959 | 14640 | 22294 | 14665 | 14863 | 14700 | 15482 | 14730 | 15482 | 14753 | 6812 |
| 14785 | 2477 | 14806 | -3715 | 14826 | -11766 | 14831 | -16721 | 14846 | -8670 | 14853 | -8050 |
| 14881 | -7431 | 14896 | -8670 | 14929 | -5573 | 14949 | -9908 | 14987 | -10528 | 15002 | -8670 |
| 15057 | -3715 | 15087 | -6193 | 15110 | -6193 | 15125 | 1238 | 15140 | 4954 | 15158 | 10528 |
| 15170 | 10528 | 15213 | 6192 | 15259 | 3096 | 15279 | 3096 | 15311 | 6812 | 15339 | 6812 |
| 15364 | -1238 | 15404 | -3715 | 15437 | -8050 | 15450 | -11766 | 15467 | -13624 | 15477 | -9289 |
| 15503 | -14863 | 15515 | -16101 | 15535 | -15482 | 15548 | -11766 | 15568 | -6812 | 15573 | -1857 |
| 15578 | 1857 | 15593 | 6812 | 15621 | 619 | 15644 | -5573 | 15659 | -9908 | 15666 | -11147 |
| 15681 | -14863 | 15706 | -7431 | 15744 | -9289 | 15754 | -10528 | 15779 | -4335 | 15805 | -619 |
| 15835 | 0 | 15862 | -1857 | 15898 | -3715 | 15918 | -9289 | 15938 | -5573 | 15945 | 4335 |
| 15961 | 5573 | 15973 | 11147 | 15986 | 8670 | 15993 | 4954 | 16013 | 1238 | 16018 | -3096 |
| 16031 | -9289 | 16041 | -2477 | 16051 | 1238 | 16066 | 1857 | 16104 | 3715 | 16139 | 1238 |
| 16157 | 6192 | 16164 | 10528 | 16187 | 15482 | 16200 | 18578 | 16227 | 19198 | 16232 | 15482 |
| 16245 | 8670 | 16268 | 4954 | 16278 | 11766 | 16290 | 16101 | 16308 | 11147 | 16323 | 6812 |
| 16358 | 8670 | 16373 | 12385 | 16396 | 13005 | 16403 | 9908 | 16408 | 7431 | 16424 | -1238 |
| 16434 | -3096 | 16459 | 1238 | 16489 | 3715 | 16502 | 7431 | 16512 | 6192 | 16534 | 9908 |
| 16562 | 12385 | 16582 | 13005 | 16600 | 7431 | 16620 | 2477 | 16632 | 619 | 16668 | 0 |
| 16683 | 3715 | 16713 | 7431 | 16723 | 6192 | 16743 | 1238 | 16756 | -3096 | 16763 | -3096 |
| 16778 | 6812 | 16786 | 5573 | 16814 | -2477 | 16824 | -8050 | 16856 | -8670 | 16864 | -4954 |
| 16874 | -1857 | 16879 | -619 | 16892 | 1238 | 16902 | -1857 | 16927 | -6812 | 16954 | 5573 |
| 16975 | 619 | 16987 | -3715 | 17012 | -9289 | 17050 | -4954 | 17055 | 0 | 17078 | -619 |
| 17111 | -6193 | 17143 | -11147 | 17163 | -10528 | 17181 | -10528 | 17214 | -8050 | 17231 | -1857 |
| 17272 | -2477 | 17304 | -619 | 17334 | 3715 | 17352 | 6812 | 17367 | 10528 | 17417 | 8050 |
| 17423 | 7431 | 17450 | 5573 | 17483 | 8670 | 17513 | 14243 | 17538 | 12385 | 17561 | 619 |

| | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|--------|
| 17599 | 3096 | 17601 | 3715 | 17619 | 9908 | 17639 | 15482 | 17669 | 17340 | 17697 | 17340 |
| 17704 | 13005 | 17722 | 3096 | 17757 | 0 | 17772 | 10528 | 17785 | 13005 | 17800 | 13005 |
| 17820 | 13005 | 17838 | 11766 | 17855 | 8050 | 17868 | 2477 | 17893 | 11147 | 17908 | 11147 |
| 17928 | 17959 | 17948 | 14863 | 17981 | 9289 | 17994 | 1238 | 18019 | -6573 | 18067 | 18067 |
| 18077 | 3715 | 18099 | 3096 | 18112 | -2477 | 18122 | -7431 | 18132 | -11147 | 18157 | 18157 |
| 18182 | -5573 | 18200 | 3096 | 18228 | -3715 | 18235 | -6812 | 18278 | -15482 | 18346 | 18346 |
| 18364 | -7431 | 18369 | -8050 | 18386 | -10528 | 18404 | -8050 | 18414 | -3096 | 18439 | -4335 |
| 18469 | -9289 | 18477 | -11766 | 18479 | -8050 | 18497 | -4335 | 18522 | -2477 | 18555 | -1238 |
| 18580 | 1857 | 18598 | 2477 | 18615 | 7431 | 18653 | 9289 | 18666 | 619 | 18706 | 7431 |
| 18731 | 6812 | 18751 | 8050 | 18779 | 12385 | 18811 | 17340 | 18854 | 16721 | 18887 | 14243 |
| 18935 | 9908 | 18962 | 6192 | 18985 | -1238 | 19008 | 3096 | 19025 | 3096 | 19088 | 7431 |
| 19126 | 3096 | 19146 | -1238 | 19154 | -1857 | 19181 | 4954 | 19239 | 4954 | 19264 | 8050 |
| 19297 | 16101 | 19327 | 11766 | 19355 | 5573 | 19436 | 8670 | 19468 | 619 | 19493 | -6193 |
| 19541 | -11766 | 19549 | -4335 | 19564 | -1857 | 19574 | 1238 | 19622 | -2477 | 19632 | -1238 |
| 19644 | 4335 | 19664 | 7431 | 19735 | 619 | 19742 | -4954 | 19758 | -5573 | 19800 | 3096 |
| 19841 | 9908 | 19876 | 10528 | 19891 | 6192 | 19934 | 4335 | 19944 | 2477 | 19964 | 3096 |
| 19992 | 10528 | 20012 | 12385 | 20027 | 8670 | 20039 | 4335 | 20065 | 1857 | 20077 | 6812 |
| 20087 | 9289 | 20107 | 12385 | 20130 | 16101 | 20158 | 18578 | 20180 | 15482 | 20185 | 13624 |
| 20195 | 8050 | 20228 | 1238 | 20263 | -5573 | 20296 | -3715 | 20326 | -1857 | 20364 | 5573 |
| 20389 | 11147 | 20424 | 12385 | 20465 | 11147 | 20472 | 6192 | 20490 | 619 | 20497 | 3096 |
| 20523 | 11147 | 20553 | 13005 | 20568 | 9908 | 20590 | 3715 | 20613 | -1857 | 20651 | 0 |
| 20671 | 3096 | 20706 | 4335 | 20724 | -2477 | 20739 | -6193 | 20752 | -6670 | 20832 | -4335 |
| 20855 | -1238 | 20865 | 1857 | 20895 | 4335 | 20908 | 1238 | 20953 | -8670 | 20975 | -11766 |
| 20988 | -8670 | 21008 | -4954 | 21013 | 2477 | 21056 | 6192 | 21071 | 4954 | 21101 | 4954 |
| 21149 | -2477 | 21172 | -4335 | 21179 | -3096 | 21204 | 2477 | 21209 | 6192 | 21225 | 9908 |
| 21235 | 11147 | 21255 | 14243 | 21280 | 19817 | 21303 | 16721 | 21323 | 6192 | 21353 | -5573 |
| 21365 | -9289 | 21378 | -5573 | 21398 | -3096 | 21426 | -5573 | 21461 | -1857 | 21489 | 4335 |
| 21501 | 8670 | 21504 | 8670 | 21562 | 9908 | 21564 | 9289 | 21610 | 3096 | 21635 | 619 |
| 21723 | -3715 | 21740 | -4335 | 21768 | -2477 | 21823 | -2477 | 21859 | 619 | 21901 | 3715 |
| 21914 | 1238 | 21957 | 8670 | 21992 | 4954 | 22007 | 6192 | 22052 | 1238 | 22100 | 8670 |
| 22108 | 12385 | 22143 | 18578 | 22193 | 14863 | 22231 | 6812 | 22261 | 6812 | 22312 | 8670 |
| 22349 | 9289 | 22387 | 6192 | 22415 | -1857 | 22463 | -6193 | 22470 | -6193 | 22515 | 0 |
| 22563 | 3096 | 22581 | 3715 | 22624 | 1238 | 22639 | -1238 | 22666 | -4335 | 22676 | -4954 |
| 22717 | 1238 | 22744 | 8670 | 22772 | 1238 | 22805 | -1238 | 22827 | 619 | 22888 | 0 |
| 22890 | 1238 | 22910 | -619 | 22926 | -5573 | 22968 | -1238 | 22981 | 1238 | 23016 | 4335 |
| 23034 | 6812 | 23084 | 1857 | 23102 | 4954 | 23127 | 8670 | 23144 | 6812 | 23202 | 4335 |
| 23238 | 1238 | 23260 | 3715 | 23295 | 8670 | 23300 | 9289 | 23358 | 9289 | 23368 | 8050 |
| 23394 | 9908 | 23439 | 8670 | 23472 | 16721 | 23517 | 11147 | 23522 | 9289 | 23582 | 2477 |
| 23595 | 0 | 23625 | -619 | 23650 | 8050 | 23701 | 6192 | 23743 | 7431 | 23776 | 3715 |
| 23809 | 0 | 23841 | -3096 | 23867 | -619 | 23902 | 1238 | 23942 | -619 | 23970 | 1238 |
| 24003 | 7431 | 24043 | 4335 | 24065 | 619 | 24123 | -2477 | 24146 | 4954 | 24171 | 2477 |
| 24216 | 8050 | 24234 | 8050 | 24282 | 1857 | 24327 | 1238 | 24352 | 1857 | 24385 | 6192 |
| 24408 | 9289 | 24433 | 11147 | 24476 | 9908 | 24493 | 6192 | 24526 | 1238 | 24551 | -1238 |
| 24586 | -619 | 24624 | 3096 | 24644 | 1238 | 24674 | 5573 | 24702 | 6812 | 24737 | 8670 |
| 24762 | 10528 | 24778 | 9908 | 24808 | 8050 | 24808 | 4954 | 24838 | -3096 | 24840 | -3715 |
| 24858 | 619 | 24866 | 3715 | 24876 | 4335 | 24898 | -1238 | 24941 | 0 | 24969 | -2477 |
| 25001 | -619 | 25027 | -3096 | 25054 | -5573 | 25072 | -619 | 25090 | 2477 | 25165 | 7431 |
| 25193 | 5573 | 25223 | 4335 | 25233 | 619 | 25296 | 10528 | 25313 | 8050 | 25361 | 5573 |
| 25399 | 4954 | 25414 | 5573 | 25485 | 6812 | 25537 | 6812 | 25558 | 8670 | 25610 | 10528 |
| 25620 | 8670 | 25663 | 3715 | 25691 | 8050 | 25729 | 6812 | 25756 | 619 | 25804 | 619 |

| | | | | | | | | | | | | |
|-----|-------|------|-------|-------|-------|------|-------|------|-------|-------|-------|-----|
| 177 | 25807 | 2477 | 25824 | 2477 | 25875 | 8670 | 25882 | 9289 | 25945 | 2477 | 25955 | 619 |
| | 25985 | 1857 | 26000 | -1238 | 26016 | 2477 | 26053 | 0 | 26061 | -1238 | | |

| | | | | | | | | | | | | |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 62 | 240 | -201579 | 241 | -213206 | 242 | -238929 | 243 | -252286 | 244 | -234599 | 245 | -194933 |
| 246 | -152508 | 247 | -112053 | 248 | -67944 | 249 | -20720 | 250 | 24630 | 251 | 68461 | |
| 252 | 111229 | 253 | 145761 | 254 | 166984 | 255 | 181727 | 256 | 197068 | 257 | 208070 | |
| 258 | 209988 | 259 | 212234 | 260 | 224138 | 261 | 234999 | 262 | 225700 | 263 | 194675 | |
| 264 | 156264 | 265 | 118570 | 266 | 80540 | 267 | 47815 | 268 | 32287 | 269 | 33294 | |
| 270 | 34768 | 271 | 26226 | 272 | 15734 | 273 | 17610 | 274 | 35718 | 275 | 62524 | |
| 276 | 87560 | 277 | 102938 | 278 | 105941 | 279 | 99802 | 280 | 88762 | 281 | 71430 | |
| 282 | 42829 | 283 | 3021 | 284 | -41107 | 285 | -82819 | 286 | -118468 | 287 | -142682 | |
| 288 | -148785 | 289 | -139061 | 290 | -133399 | 291 | -144896 | 292 | -167658 | 293 | -179924 | |
| 294 | -174841 | 295 | -169512 | 296 | -174300 | 297 | -167965 | 298 | -124500 | 299 | -56616 | |
| 300 | -4567 | 301 | 18854 | 302 | 41920 | 303 | 84966 | 304 | 128989 | 305 | 148334 | |
| 306 | 145877 | 307 | 135910 | 308 | 118550 | 309 | 94678 | 310 | 82470 | 311 | 92376 | |
| 312 | 105057 | 313 | 100947 | 314 | 94492 | 315 | 111341 | 316 | 146241 | 317 | 172915 | |
| 318 | 185521 | 319 | 200277 | 320 | 219169 | 321 | 219195 | 322 | 181967 | 323 | 116360 | |
| 324 | 47092 | 325 | -7831 | 326 | -45193 | 327 | -69709 | 328 | -83354 | 329 | -81595 | |
| 330 | -61222 | 331 | -29305 | 332 | 1358 | 333 | 24655 | 334 | 43259 | 335 | 60781 | |
| 336 | 79413 | 337 | 103078 | 338 | 133616 | 339 | 163661 | 340 | 181371 | 341 | 184004 | |
| 342 | 181129 | 343 | 181736 | 344 | 180037 | 345 | 156850 | 346 | 99427 | 347 | 21933 | |
| 348 | -41100 | 349 | -69599 | 350 | -79669 | 351 | -99658 | 352 | -132211 | 353 | -156965 | |
| 354 | -165950 | 355 | -173856 | 356 | -190931 | 357 | -207918 | 358 | -215753 | 359 | -220973 | |
| 360 | -230742 | 361 | -238608 | 362 | -237714 | 363 | -235863 | 364 | -244666 | 365 | -262483 | |
| 366 | -279135 | 367 | -288835 | 368 | -287017 | 369 | -263454 | 370 | -214229 | 371 | -156533 | |
| 372 | -115843 | 373 | -97931 | 374 | -86252 | 375 | -67880 | 376 | -48830 | 377 | -39869 | |
| 378 | -39759 | 379 | -39949 | 380 | -36455 | 381 | -20792 | 382 | -13988 | 383 | 9143 | |
| 384 | 32780 | 385 | 44358 | 386 | 37726 | 387 | 17252 | 388 | -6821 | 389 | -25058 | |
| 390 | -33676 | 391 | -34494 | 392 | -28849 | 393 | -14039 | 394 | 9532 | 395 | 31488 | |
| 396 | 40552 | 397 | 39234 | 398 | 39795 | 399 | 45477 | 400 | 46062 | 401 | 34010 | |
| 402 | 14538 | 403 | -4075 | 404 | -20262 | 405 | -33266 | 406 | -35819 | 407 | -21292 | |
| 408 | 5536 | 409 | 31683 | 410 | 48675 | 411 | 57622 | 412 | 62900 | 413 | 65688 | |
| 414 | 65525 | 415 | 65312 | 416 | 69984 | 417 | 78337 | 418 | 80804 | 419 | 71809 | |
| 419 | 62132 | 421 | 69311 | 421 | 93505 | 423 | 112526 | 423 | 106878 | 425 | 82201 | |
| 426 | 60071 | 427 | 53276 | 428 | 59060 | 429 | 71642 | 430 | 89376 | 431 | 108301 | |
| 432 | 117843 | 433 | 108237 | 434 | 79326 | 435 | 39594 | 436 | -1011 | 437 | -35639 | |
| 438 | -61476 | 439 | -80346 | 440 | -97078 | 441 | -112700 | 442 | -118598 | 443 | -101783 | |
| 444 | -58774 | 444 | -2053 | 446 | 49423 | 446 | 84726 | 448 | 104874 | 448 | 115360 | |
| 450 | 118235 | 451 | 111204 | 452 | 92772 | 453 | 67376 | 454 | 43882 | 455 | 28009 | |
| 456 | 18493 | 457 | 12136 | 458 | 8832 | 459 | 8961 | 460 | 10761 | 461 | 14687 | |
| 462 | 25250 | 463 | 42994 | 464 | 59188 | 465 | 64347 | 466 | 58192 | 467 | 46216 | |
| 467 | 31404 | 469 | 15236 | 469 | 2267 | 471 | -2913 | 471 | -814 | 473 | 5280 | |
| 473 | 13995 | 475 | 24618 | 476 | 33844 | 477 | 36953 | 478 | 31848 | 479 | 21680 | |
| 480 | 13282 | 481 | 10346 | 482 | 8262 | 483 | 426 | 484 | -11346 | 485 | -20733 | |
| 486 | -29623 | 487 | -44695 | 488 | -62263 | 489 | -72860 | 490 | -80886 | 491 | -97726 | |
| 492 | -111587 | 492 | -91544 | 494 | -34148 | 494 | 19386 | 496 | 30699 | 496 | 8597 | |
| 498 | -11945 | 498 | -15237 | 500 | -8671 | 501 | 1672 | 502 | 14718 | 503 | 22578 | |
| 504 | 16341 | 505 | 528 | 506 | -12374 | 507 | -18150 | 508 | -21470 | 509 | -25669 | |
| 510 | -31023 | 511 | -38260 | 512 | -46260 | 513 | -50537 | 514 | -49041 | 515 | -44611 | |
| 516 | -38440 | 517 | -27573 | 518 | -12491 | 519 | -670 | 520 | 1622 | 521 | -3663 | |
| 522 | -10331 | 523 | -14408 | 524 | -14858 | 525 | -12683 | 526 | -11354 | 527 | -14043 | |
| 528 | -18740 | 529 | -19811 | 530 | -15797 | 531 | -12134 | 532 | -14376 | 533 | -21509 | |
| 534 | -27579 | 535 | -27564 | 536 | -20242 | 537 | -7997 | 538 | 3848 | 539 | 9612 | |

| | | | | | | | | | | | |
|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 540 | 8195 | 541 | 4600 | 542 | 3952 | 543 | 5056 | 544 | 2897 | 545 | -3576 |
| 546 | -10210 | 547 | -14116 | 548 | -16896 | 549 | -20541 | 550 | -24047 | 551 | -25102 |
| 552 | -22110 | 553 | -14397 | 554 | -3677 | 555 | 4972 | 556 | 7434 | 557 | 6017 |
| 558 | 7112 | 559 | 13352 | 560 | 21272 | 561 | 26391 | 562 | 27455 | 563 | 26290 |
| 564 | 26674 | 565 | 32575 | 566 | 44259 | 567 | 56637 | 568 | 63912 | 569 | 64769 |
| 570 | 61054 | 571 | 53640 | 572 | 42551 | 573 | 29124 | 574 | 15615 | 575 | 4086 |
| 576 | -2390 | 577 | -74 | 578 | 11544 | 579 | 27917 | 580 | 43004 | 581 | 53077 |
| 582 | 56832 | 583 | 54754 | 584 | 49456 | 585 | 44121 | 586 | 39421 | 587 | 33527 |
| 588 | 25288 | 589 | 15769 | 590 | 6950 | 591 | 380 | 592 | -3404 | 593 | -5438 |
| 594 | -7639 | 595 | -10848 | 596 | -14534 | 597 | -18271 | 598 | -21570 | 599 | -22529 |
| 600 | -19562 | 601 | -14778 | 602 | -12821 | 603 | -15036 | 604 | -21903 | 605 | -28411 |
| 606 | -34562 | 607 | -40604 | 608 | -46860 | 609 | -53429 | 610 | -59202 | 611 | -61862 |
| 612 | -60427 | 613 | -56823 | 614 | -53532 | 615 | -50978 | 616 | -48336 | 617 | -45232 |
| 618 | -41380 | 619 | -36245 | 620 | -30523 | 621 | -26791 | 622 | -27306 | 623 | -31498 |
| 624 | -36084 | 625 | -37688 | 626 | -35732 | 627 | -32715 | 628 | -30986 | 629 | -29731 |
| 630 | -26494 | 631 | -20674 | 632 | -13186 | 633 | -3758 | 634 | 8071 | 635 | 19810 |
| 636 | 27397 | 637 | 29713 | 638 | 28744 | 639 | 26044 | 640 | 22337 | 641 | 19495 |
| 642 | 10981 | 643 | 19101 | 644 | 17575 | 645 | 15974 | 646 | 17822 | 647 | 23104 |
| 648 | 28421 | 649 | 32043 | 650 | 35348 | 651 | 39453 | 652 | 43398 | 653 | 45711 |
| 654 | 45586 | 655 | 42361 | 656 | 35361 | 657 | 24893 | 658 | 13222 | 659 | 4021 |
| 660 | -400 | 661 | -1641 | 662 | -3215 | 663 | -5489 | 664 | -5217 | 665 | -1152 |
| 666 | 3431 | 667 | 5921 | 668 | 8786 | 669 | 14646 | 670 | 21869 | 671 | 2664 |
| 672 | 28027 | 673 | 27255 | 674 | 25008 | 675 | 21635 | 676 | 17932 | 677 | 13425 |
| 678 | 6468 | 679 | -2177 | 680 | -9046 | 681 | -13113 | 682 | -17768 | 683 | -25445 |
| 684 | -33770 | 685 | -39608 | 686 | -43663 | 687 | -47970 | 688 | -51289 | 689 | -50230 |
| 690 | -43674 | 691 | -33636 | 692 | -22530 | 693 | -11444 | 694 | -830 | 695 | 8300 |
| 696 | 14290 | 697 | 16070 | 698 | 14271 | 699 | 10211 | 700 | 3874 | 701 | -5432 |
| 702 | -16199 | 703 | -24980 | 704 | -30577 | 705 | -35410 | 706 | -41334 | 707 | -46466 |
| 708 | -47934 | 709 | -45135 | 710 | -38869 | 711 | -29917 | 712 | -20274 | 713 | -13123 |
| 714 | -9446 | 715 | -6756 | 716 | -2957 | 717 | 586 | 718 | 1258 | 719 | -1672 |
| 720 | -7266 | 721 | -14030 | 722 | -19792 | 723 | -22652 | 724 | -22810 | 725 | -21472 |
| 726 | -18004 | 727 | -10863 | 728 | -1240 | 729 | 7495 | 730 | 14312 | 731 | 21249 |
| 732 | 29129 | 733 | 35581 | 734 | 38192 | 735 | 37266 | 736 | 34907 | 737 | 33315 |
| 738 | 34057 | 739 | 37163 | 740 | 40921 | 741 | 44043 | 742 | 47418 | 743 | 52103 |
| 744 | 56627 | 745 | 58434 | 746 | 57320 | 747 | 55290 | 748 | 53407 | 749 | 50676 |
| 750 | 45888 | 751 | 39035 | 752 | 30944 | 753 | 22762 | 754 | 15841 | 755 | 11191 |
| 756 | 8814 | 757 | 7916 | 758 | 7618 | 759 | 7212 | 760 | 6080 | 761 | 3988 |
| 762 | 1589 | 763 | 73 | 764 | -352 | 765 | -1475 | 766 | -5415 | 767 | -11684 |
| 768 | -17178 | 769 | -19553 | 770 | -18889 | 771 | -15275 | 772 | -7426 | 773 | 4352 |
| 774 | 16441 | 775 | 25827 | 776 | 33364 | 777 | 40225 | 778 | 43970 | 779 | 42054 |
| 780 | 36717 | 781 | 31756 | 782 | 26401 | 783 | 17420 | 784 | 5779 | 785 | -4146 |
| 786 | -11094 | 787 | -17271 | 788 | -22601 | 789 | -24139 | 790 | -21727 | 791 | -19298 |
| 792 | -19516 | 793 | -21183 | 794 | -22814 | 795 | -24849 | 796 | -27171 | 797 | -27944 |
| 798 | -26542 | 799 | -25097 | 800 | -25670 | 801 | -27735 | 802 | -29594 | 803 | -30832 |
| 804 | -32283 | 805 | -34466 | 806 | -36906 | 807 | -38575 | 808 | -38435 | 809 | -35855 |
| 810 | -31120 | 811 | -25756 | 812 | -21811 | 813 | -20251 | 814 | -20431 | 815 | -21748 |
| 816 | -24943 | 817 | -30378 | 818 | -35833 | 819 | -38181 | 820 | -37075 | 821 | -34826 |
| 822 | -32765 | 823 | -29967 | 824 | -25475 | 825 | -19470 | 826 | -12309 | 827 | -4652 |
| 828 | 1634 | 829 | 4921 | 830 | 5876 | 831 | 6198 | 832 | 6288 | 833 | 6499 |
| 834 | 9329 | 835 | 17184 | 836 | 28542 | 837 | 39197 | 838 | 46890 | 839 | 52257 |

| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 639 | 55868 | 841 | 56967 | 842 | 55028 | 843 | 50647 | 843 | 44933 | 845 | 39109 |
| 846 | 34154 | 847 | 30182 | 847 | 27028 | 849 | 25466 | 850 | 26167 | 851 | 27510 |
| 852 | 27011 | 853 | 25436 | 854 | 26622 | 855 | 31974 | 856 | 37761 | 857 | 39562 |
| 858 | 37233 | 859 | 33669 | 860 | 30543 | 860 | 27510 | 862 | 24377 | 863 | 21699 |
| 864 | 19425 | 864 | 16742 | 866 | 13431 | 867 | 10119 | 868 | 6973 | 868 | 3496 |
| 870 | 51 | 871 | -1930 | 872 | -2303 | 872 | -3348 | 874 | -6972 | 875 | -12010 |
| 876 | -16218 | 877 | -19623 | 878 | -23360 | 879 | -26315 | 880 | -26218 | 881 | -23681 |
| 882 | -21637 | 883 | -20755 | 884 | -18936 | 885 | -15716 | 885 | -13598 | 887 | -14363 |
| 888 | -17284 | 889 | -21278 | 889 | -25507 | 891 | -27743 | 892 | -25993 | 893 | -22352 |
| 893 | -21651 | 895 | -25556 | 896 | -31004 | 897 | -34610 | 897 | -35605 | 899 | -34630 |
| 900 | -32878 | 901 | -32379 | 902 | -34457 | 903 | -38250 | 904 | -42383 | 905 | -46206 |
| 906 | -47624 | 907 | -43213 | 908 | -33715 | 909 | -25883 | 910 | -24915 | 910 | -28214 |
| 912 | -30436 | 913 | -31002 | 914 | -32296 | 914 | -34092 | 916 | -34711 | 917 | -34768 |
| 918 | -35240 | 918 | -34532 | 920 | -31456 | 921 | -28090 | 922 | -25742 | 922 | -21418 |
| 924 | -12549 | 925 | -2221 | 926 | 4717 | 927 | 8343 | 928 | 12285 | 929 | 17718 |
| 930 | 22741 | 931 | 26342 | 932 | 29384 | 933 | 32303 | 934 | 34603 | 935 | 36376 |
| 935 | 38367 | 937 | 40667 | 938 | 42613 | 939 | 43858 | 939 | 44751 | 941 | 45707 |
| 942 | 46598 | 943 | 46778 | 943 | 45821 | 945 | 44131 | 946 | 42378 | 947 | 40614 |
| 947 | 39012 | 949 | 39052 | 950 | 41949 | 951 | 45712 | 952 | 46163 | 953 | 41682 |
| 954 | 34721 | 955 | 27786 | 956 | 20517 | 957 | 12154 | 958 | 4379 | 959 | -476 |
| 960 | -2489 | 960 | -3535 | 962 | -4866 | 963 | -6677 | 964 | -8908 | 964 | -11204 |
| 966 | -13119 | 967 | -15076 | 968 | -17893 | 968 | -21166 | 970 | -23838 | 971 | -26240 |
| 972 | -29111 | 972 | -30760 | 974 | -28562 | 975 | -23713 | 976 | -20556 | 977 | -20044 |
| 978 | -17895 | 979 | -11151 | 980 | -2881 | 981 | 2166 | 982 | 3477 | 983 | 3726 |
| 984 | 4361 | 985 | 4955 | 985 | 4753 | 987 | 3226 | 988 | -36 | 989 | -4306 |
| 989 | -8036 | 991 | -10831 | 992 | -13424 | 993 | -15488 | 993 | -15630 | 995 | -13877 |
| 996 | -11859 | 997 | -10114 | 997 | -7395 | 999 | -3176 | 1000 | 1103 | 1001 | 3967 |
| 1002 | 5726 | 1003 | 7919 | 1004 | 11764 | 1005 | 17044 | 1006 | 21750 | 1007 | 23208 |
| 1008 | 20455 | 1009 | 15258 | 1010 | 10363 | 1010 | 7212 | 1012 | 5624 | 1013 | 4821 |
| 1014 | 4132 | 1014 | 2970 | 1016 | 614 | 1017 | -3611 | 1018 | -9254 | 1018 | -13773 |
| 1020 | -13937 | 1021 | -9294 | 1022 | -3570 | 1022 | -1324 | 1024 | -3258 | 1025 | -5715 |
| 1026 | -4927 | 1027 | -988 | 1028 | 2823 | 1029 | 4013 | 1030 | 2986 | 1031 | 1179 |
| 1032 | -1138 | 1033 | -3747 | 1034 | -4640 | 1035 | -1959 | 1036 | 2577 | 1037 | 4826 |
| 1038 | 3048 | 1039 | -696 | 1040 | -4142 | 1041 | -7254 | 1042 | -10451 | 1043 | -12728 |
| 1044 | -12666 | 1045 | -10036 | 1046 | -5995 | 1047 | -2635 | 1048 | -1886 | 1049 | -3440 |
| 1050 | -4442 | 1051 | -2934 | 1052 | -756 | 1053 | -1095 | 1054 | -4034 | 1055 | -6894 |
| 1056 | -8478 | 1057 | -10429 | 1058 | -14157 | 1059 | -18419 | 1060 | -20692 | 1061 | -19758 |
| 1062 | -16340 | 1063 | -11953 | 1064 | -7875 | 1065 | -4981 | 1066 | -3710 | 1067 | -3622 |
| 1068 | -3472 | 1069 | -2539 | 1070 | -1587 | 1071 | -1626 | 1072 | -2302 | 1073 | -2940 |
| 1074 | -4450 | 1075 | -8085 | 1076 | -12596 | 1077 | -14909 | 1078 | -13721 | 1079 | -10397 |
| 1080 | -6355 | 1081 | -1802 | 1082 | 2779 | 1083 | 6136 | 1084 | 7827 | 1085 | 8723 |
| 1086 | 9764 | 1087 | 11340 | 1088 | 13431 | 1089 | 15141 | 1090 | 14999 | 1091 | 13093 |
| 1092 | 11707 | 1093 | 12320 | 1094 | 13436 | 1095 | 13146 | 1096 | 12257 | 1097 | 12786 |
| 1098 | 14662 | 1099 | 16087 | 1100 | 16309 | 1101 | 16234 | 1102 | 16984 | 1103 | 19176 |
| 1104 | 22781 | 1105 | 26646 | 1106 | 29151 | 1107 | 30101 | 1108 | 30836 | 1109 | 32023 |
| 1110 | 32894 | 1111 | 33148 | 1112 | 33687 | 1113 | 34591 | 1114 | 34231 | 1115 | 31436 |
| 1116 | 27073 | 1117 | 22795 | 1118 | 19775 | 1119 | 19014 | 1120 | 20810 | 1121 | 23183 |
| 1122 | 22897 | 1123 | 19095 | 1124 | 14230 | 1125 | 10559 | 1126 | 7496 | 1127 | 3394 |
| 1128 | -1891 | 1129 | -7586 | 1130 | -13507 | 1131 | -19328 | 1132 | -23496 | 1133 | -24777 |
| 1134 | -24394 | 1135 | -24971 | 1136 | -27471 | 1137 | -30608 | 1138 | -33209 | 1139 | -35633 |

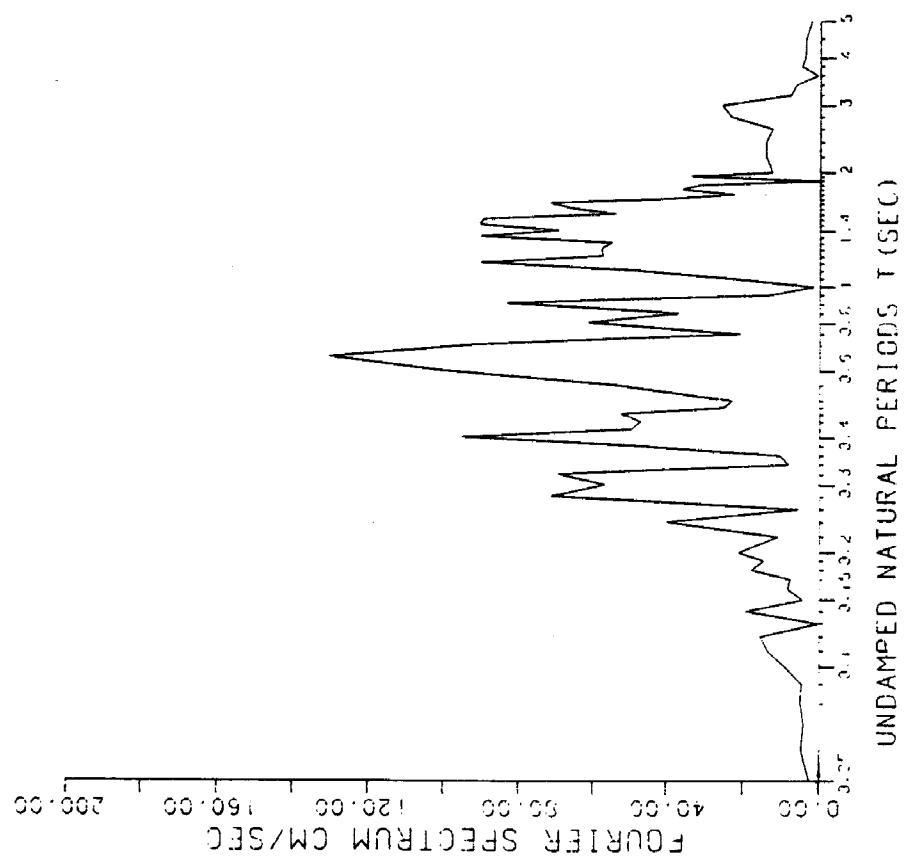
| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1140 | -38391 | 1141 | -40718 | 1142 | -41494 | 1143 | -40877 | 1144 | -40031 | 1145 | -39605 |
| 1146 | -39387 | 1147 | -39261 | 1148 | -39477 | 1149 | -39891 | 1150 | -40004 | 1151 | -40153 |
| 1152 | -41604 | 1153 | -44360 | 1154 | -46913 | 1155 | -46281 | 1156 | -42996 | 1157 | -39708 |
| 1158 | -37950 | 1159 | -36472 | 1160 | -33441 | 1161 | -28951 | 1162 | -24478 | 1163 | -20918 |
| 1164 | -18258 | 1165 | -16400 | 1166 | -15068 | 1167 | -13306 | 1168 | -10215 | 1169 | -5994 |
| 1170 | -1346 | 1171 | 3768 | 1172 | 9748 | 1173 | 16024 | 1174 | 21344 | 1175 | 25317 |
| 1176 | 28555 | 1177 | 31261 | 1178 | 32930 | 1179 | 33651 | 1180 | 34438 | 1181 | 35733 |
| 1182 | 36619 | 1183 | 36171 | 1184 | 34902 | 1185 | 34188 | 1186 | 34631 | 1187 | 35427 |
| 1188 | 35282 | 1189 | 33013 | 1190 | 32048 | 1191 | 31354 | 1192 | 31947 | 1193 | 32942 |
| 1194 | 33781 | 1195 | 34746 | 1196 | 36010 | 1197 | 37307 | 1198 | 38773 | 1199 | 40769 |
| 1200 | 42510 | 1201 | 42469 | 1202 | 40832 | 1203 | 39785 | 1204 | 40421 | 1205 | 41102 |
| 1206 | 39999 | 1207 | 37467 | 1208 | 34490 | 1209 | 30526 | 1210 | 24682 | 1211 | 17693 |
| 1212 | 11065 | 1213 | 5249 | 1214 | 22 | 1215 | -4303 | 1216 | -7253 | 1217 | -8932 |
| 1218 | -9538 | 1219 | -9140 | 1220 | -8676 | 1221 | -9933 | 1222 | -13638 | 1223 | -16576 |
| 1224 | -23245 | 1225 | -27212 | 1226 | -30303 | 1227 | -31998 | 1228 | -32582 | 1229 | -33498 |
| 1230 | -35439 | 1231 | -37152 | 1232 | -37137 | 1233 | -35502 | 1234 | -33261 | 1235 | -30914 |
| 1236 | -28755 | 1237 | -27558 | 1238 | -27776 | 1239 | -28670 | 1240 | -29251 | 1241 | -29543 |
| 1242 | -30078 | 1243 | -30748 | 1244 | -31046 | 1245 | -30930 | 1246 | -30546 | 1247 | -29563 |
| 1248 | -27595 | 1249 | -24921 | 1250 | -22067 | 1251 | -19063 | 1252 | -15721 | 1253 | -12223 |
| 1254 | -8803 | 1255 | -5341 | 1256 | -1883 | 1257 | 849 | 1258 | 2036 | 1259 | 1549 |
| 1260 | -157 | 1261 | -2395 | 1262 | -4033 | 1263 | -3657 | 1264 | -738 | 1265 | 3575 |
| 1266 | 7433 | 1267 | 9997 | 1268 | 11827 | 1269 | 13739 | 1270 | 15814 | 1271 | 17657 |
| 1272 | 19099 | 1273 | 20120 | 1274 | 20187 | 1275 | 18353 | 1276 | 14409 | 1277 | 9563 |
| 1278 | 5612 | 1279 | 3639 | 1280 | 3576 | 1281 | 4482 | 1282 | 5120 | 1283 | 4964 |
| 1284 | 4747 | 1285 | 5225 | 1286 | 5572 | 1287 | 4410 | 1288 | 2448 | 1289 | 2248 |
| 1290 | 4839 | 1291 | 8383 | 1292 | 10859 | 1293 | 12286 | 1294 | 13486 | 1295 | 14445 |
| 1296 | 14911 | 1297 | 15118 | 1298 | 14979 | 1299 | 13808 | 1300 | 11453 | 1301 | 8591 |
| 1302 | 5649 | 1303 | 2633 | 1304 | -79 | 1305 | -2108 | 1306 | -3809 | 1307 | -5151 |
| 1308 | -4546 | 1309 | -803 | 1310 | 4303 | 1311 | 7564 | 1312 | 8063 | 1313 | 7385 |
| 1314 | 6668 | 1315 | 5686 | 1316 | 4438 | 1317 | 3352 | 1318 | 2012 | 1319 | -202 |
| 1320 | -2303 | 1321 | -2548 | 1322 | -1077 | 1323 | 263 | 1324 | 787 | 1325 | 1735 |
| 1326 | 3840 | 1327 | 5939 | 1328 | 6723 | 1329 | 6457 | 1330 | 6122 | 1331 | 5879 |
| 1332 | 5304 | 1333 | 4584 | 1334 | 4614 | 1335 | 5938 | 1336 | 8077 | 1337 | 9997 |
| 1338 | 11133 | 1339 | 11895 | 1340 | 12995 | 1341 | 14231 | 1342 | 14220 | 1343 | 11792 |
| 1344 | 7590 | 1345 | 3781 | 1346 | 2030 | 1347 | 2144 | 1348 | 2823 | 1349 | 3203 |
| 1350 | 3211 | 1351 | 2813 | 1352 | 1641 | 1353 | -496 | 1354 | -3120 | 1355 | -5306 |
| 1356 | -6371 | 1357 | -6384 | 1358 | -6076 | 1359 | -6119 | 1360 | -6437 | 1361 | -6448 |
| 1362 | -6073 | 1363 | -6077 | 1364 | -7081 | 1365 | -8596 | 1366 | -9535 | 1367 | -9512 |
| 1368 | -9087 | 1369 | -8791 | 1370 | -8534 | 1371 | -8041 | 1372 | -7309 | 1373 | -6409 |
| 1374 | -5313 | 1375 | -4104 | 1376 | -2949 | 1377 | -1773 | 1378 | -453 | 1379 | 513 |
| 1380 | 262 | 1381 | -1237 | 1382 | -2943 | 1383 | -4057 | 1384 | -4850 | 1385 | -5665 |
| 1386 | -5968 | 1387 | -5280 | 1388 | -4421 | 1389 | -4658 | 1390 | -5834 | 1391 | -6411 |
| 1392 | -5483 | 1393 | -3833 | 1394 | -2666 | 1395 | -2057 | 1396 | -1207 | 1397 | 144 |
| 1398 | 1236 | 1399 | 1227 | 1400 | 119 | 1401 | -1550 | 1402 | -3682 | 1403 | -6791 |
| 1404 | -11074 | 1405 | -15621 | 1406 | -18879 | 1407 | -19841 | 1408 | -18617 | 1409 | -15954 |
| 1410 | -12497 | 1411 | -8673 | 1412 | -5113 | 1413 | -2760 | 1414 | -2213 | 1415 | -3064 |
| 1416 | -4326 | 1417 | -5551 | 1418 | -7043 | 1419 | -8921 | 1420 | -10712 | 1421 | -12204 |
| 1422 | -13778 | 1423 | -15215 | 1424 | -15087 | 1425 | -12420 | 1426 | -8271 | 1427 | -4415 |
| 1428 | -995 | 1429 | 3012 | 1430 | 7325 | 1431 | 10110 | 1432 | 10452 | 1433 | 9516 |
| 1434 | 8649 | 1435 | 7706 | 1436 | 6098 | 1437 | 4390 | 1438 | 3714 | 1439 | 4151 |

| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1440 | 4820 | 1441 | 5475 | 1442 | 6933 | 1443 | 9583 | 1444 | 12337 | 1445 | 13831 |
| 1446 | 14108 | 1447 | 14224 | 1448 | 14528 | 1449 | 14498 | 1450 | 14174 | 1451 | 14456 |
| 1452 | 15749 | 1453 | 17531 | 1454 | 17516 | 1455 | 21918 | 1456 | 24077 | 1457 | 24241 |
| 1458 | 21713 | 1459 | 18373 | 1460 | 17017 | 1461 | 18338 | 1462 | 20122 | 1463 | 19661 |
| 1464 | 16801 | 1465 | 14065 | 1466 | 13453 | 1467 | 14049 | 1468 | 13945 | 1469 | 13392 |
| 1470 | 13825 | 1471 | 14462 | 1472 | 12903 | 1473 | 9165 | 1474 | 5956 | 1475 | 4489 |
| 1476 | 3211 | 1477 | 1169 | 1478 | -888 | 1479 | -3343 | 1480 | -7721 | 1481 | -12818 |
| 1482 | -14793 | 1483 | -12627 | 1484 | -9795 | 1485 | -9131 | 1486 | -9638 | 1487 | -9685 |
| 1488 | -9609 | 1489 | -9654 | 1490 | -8893 | 1491 | -7677 | 1492 | -9968 | 1493 | -9982 |
| 1494 | -11538 | 1495 | -11617 | 1496 | -11549 | 1497 | -11967 | 1498 | -11684 | 1499 | -10327 |
| 1500 | -9171 | 1501 | -8688 | 1502 | -7877 | 1503 | -6529 | 1504 | -5761 | 1505 | -5977 |
| 1506 | -6478 | 1507 | -7076 | 1508 | -7942 | 1509 | -8068 | 1510 | -8084 | 1511 | -2462 |
| 1512 | 1064 | 1513 | 3904 | 1514 | 6519 | 1515 | 8495 | 1516 | 8801 | 1517 | 7709 |
| 1518 | 6584 | 1519 | 5918 | 1520 | 5138 | 1521 | 4099 | 1522 | 3302 | 1523 | 2813 |
| 1524 | 2207 | 1525 | 1543 | 1526 | 1412 | 1527 | 2062 | 1528 | 3112 | 1529 | 4090 |
| 1530 | 4844 | 1531 | 5368 | 1532 | 5349 | 1533 | 4074 | 1534 | 1329 | 1535 | -1685 |
| 1536 | -3310 | 1537 | -3528 | 1538 | -3940 | 1539 | -5275 | 1540 | -6506 | 1541 | -7140 |
| 1542 | -8466 | 1543 | -11213 | 1544 | -13682 | 1545 | -13964 | 1546 | -12752 | 1547 | -12360 |
| 1548 | -13778 | 1549 | -15993 | 1550 | -17514 | 1551 | -17587 | 1552 | -16476 | 1553 | -15016 |
| 1554 | -13287 | 1555 | -10015 | 1556 | -4549 | 1557 | 1045 | 1558 | 3735 | 1559 | 3034 |
| 1560 | 915 | 1561 | -1261 | 1562 | -3657 | 1563 | -6354 | 1564 | -9043 | 1565 | -11814 |
| 1566 | -14336 | 1567 | -15046 | 1568 | -13156 | 1569 | -10482 | 1570 | -9362 | 1571 | -9818 |
| 1572 | -10522 | 1573 | -11032 | 1574 | -11249 | 1575 | -10319 | 1576 | -7983 | 1577 | -5567 |
| 1578 | -4134 | 1579 | -3165 | 1580 | -2160 | 1581 | -1678 | 1582 | -1914 | 1583 | -2189 |
| 1584 | -2467 | 1585 | -3318 | 1586 | -4225 | 1587 | -4293 | 1588 | -4513 | 1589 | -6585 |
| 1590 | -9537 | 1591 | -10237 | 1592 | -7347 | 1593 | -2450 | 1594 | 2370 | 1595 | 5868 |
| 1596 | 7269 | 1597 | 6687 | 1598 | 5112 | 1599 | 2622 | 1600 | -1620 | 1601 | -6298 |
| 1602 | -7687 | 1603 | -4592 | 1604 | -694 | 1605 | 435 | 1606 | -136 | 1607 | 361 |
| 1608 | 1775 | 1609 | 2180 | 1610 | 1367 | 1611 | 491 | 1612 | 108 | 1613 | 657 |
| 1614 | 3042 | 1615 | 6963 | 1616 | 10462 | 1617 | 12526 | 1618 | 14267 | 1619 | 16450 |
| 1620 | 17834 | 1621 | 16970 | 1622 | 13891 | 1623 | 9547 | 1624 | 5507 | 1625 | 4245 |
| 1626 | 7121 | 1627 | 11638 | 1628 | 13325 | 1629 | 10965 | 1630 | 7617 | 1631 | 6091 |
| 1632 | 6035 | 1633 | 6140 | 1634 | 6565 | 1635 | 7936 | 1636 | 9793 | 1637 | 11116 |
| 1637 | 11050 | 1639 | 8680 | 1640 | 3810 | 1641 | -1496 | 1642 | -4042 | 1643 | -3072 |
| 1644 | -1118 | 1645 | -393 | 1646 | -129 | 1647 | 1273 | 1648 | 3300 | 1649 | 4426 |
| 1650 | 4843 | 1651 | 5895 | 1652 | 7587 | 1653 | 8798 | 1654 | 9435 | 1655 | 10309 |
| 1656 | 11119 | 1657 | 10519 | 1658 | 8184 | 1659 | 5244 | 1660 | 2699 | 1661 | 729 |
| 1662 | -614 | 1663 | -1276 | 1664 | -1571 | 1665 | -1605 | 1666 | -772 | 1667 | 1173 |
| 1668 | 3185 | 1669 | 4214 | 1670 | 4536 | 1671 | 4439 | 1672 | 2805 | 1673 | -892 |
| 1674 | -4083 | 1675 | -3357 | 1676 | 727 | 1677 | 3678 | 1678 | 2473 | 1679 | -1377 |
| 1679 | -4905 | 1681 | -7392 | 1682 | -9535 | 1683 | -10879 | 1684 | -10215 | 1685 | -7660 |
| 1686 | -4653 | 1687 | -2436 | 1688 | -1787 | 1689 | -3313 | 1690 | -6315 | 1691 | -8034 |
| 1692 | -6065 | 1693 | -1550 | 1694 | 1736 | 1695 | 1578 | 1696 | -950 | 1697 | -3879 |
| 1698 | -6520 | 1699 | -8785 | 1700 | -10154 | 1701 | -10272 | 1702 | -9387 | 1703 | -7633 |
| 1704 | -5063 | 1704 | -2725 | 1706 | -2216 | 1707 | -3635 | 1708 | -5402 | 1709 | -6587 |
| 1710 | -7925 | 1711 | -9932 | 1712 | -11715 | 1713 | -12477 | 1714 | -12679 | 1715 | -12863 |
| 1716 | -12737 | 1717 | -12223 | 1718 | -11885 | 1719 | -11541 | 1720 | -10016 | 1721 | -7198 |
| 1721 | -4822 | 1723 | -4214 | 1724 | -4620 | 1725 | -4705 | 1726 | -4360 | 1727 | -4053 |
| 1728 | -3657 | 1729 | -2068 | 1729 | -1801 | 1731 | -530 | 1732 | 1076 | 1733 | 2785 |
| 1734 | 4165 | 1735 | 5358 | 1736 | 6676 | 1737 | 7669 | 1737 | 7683 | 1739 | 7003 |

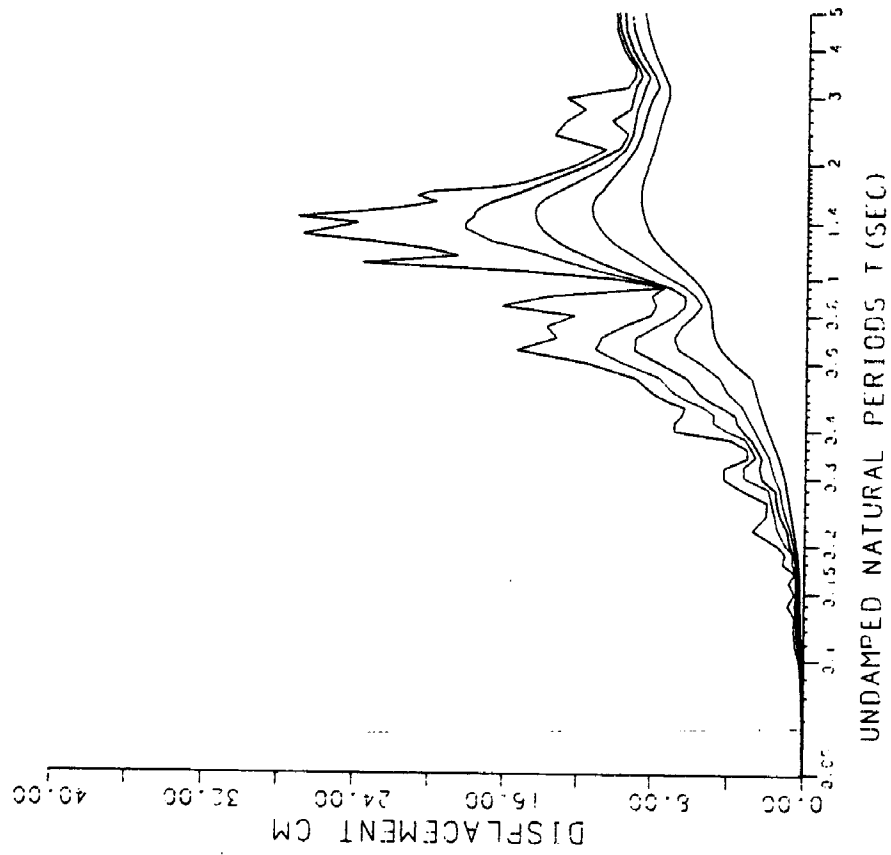
| | | | | | | | | | | | |
|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1740 | 6301 | 1741 | 5522 | 1742 | 4478 | 1743 | 3760 | 1744 | 3885 | 1745 | 4424 |
| 1745 | 5053 | 1746 | 6272 | 1748 | 8147 | 1749 | 9786 | 1750 | 10813 | 1751 | 11500 |
| 1752 | 10951 | 1753 | 7689 | 1754 | 2788 | 1754 | -430 | 1756 | -736 | 1757 | -105 |
| 1758 | 248 | 1759 | 1645 | 1760 | 4817 | 1761 | 8290 | 1762 | 10844 | 1762 | 12716 |
| 1764 | 13910 | 1765 | 14159 | 1766 | 14431 | 1767 | 15425 | 1769 | 15197 | 1769 | 11594 |
| 1770 | 6168 | 1770 | 2226 | 1771 | 211 | 1773 | -1317 | 1774 | -1581 | 1775 | 1329 |
| 1776 | 6301 | 1777 | 10025 | 1778 | 11293 | 1779 | 11349 | 1779 | 11070 | 1781 | 10508 |
| 1782 | 9861 | 1783 | 8680 | 1784 | 5936 | 1785 | 2646 | 1786 | 1935 | 1787 | 4705 |
| 1787 | 8094 | 1789 | 9924 | 1790 | 11419 | 1791 | 13637 | 1792 | 14769 | 1793 | 13391 |
| 1794 | 11235 | 1795 | 10160 | 1795 | 8956 | 1796 | 5584 | 1798 | 615 | 1799 | -3666 |
| 1800 | -6069 | 1801 | -6852 | 1802 | -6498 | 1803 | -5406 | 1804 | -4033 | 1804 | -2549 |
| 1806 | -868 | 1807 | 655 | 1808 | 962 | 1809 | -993 | 1810 | -5178 | 1811 | -9888 |
| 1812 | -12614 | 1812 | -12385 | 1814 | -10947 | 1815 | -10391 | 1816 | -10062 | 1817 | -7702 |
| 1818 | -3563 | 1819 | -992 | 1820 | -2206 | 1820 | -5600 | 1821 | -8400 | 1823 | -10216 |
| 1824 | -12395 | 1825 | -15106 | 1826 | -17011 | 1827 | -17390 | 1828 | -16908 | 1829 | -16231 |
| 1829 | -15325 | 1831 | -14296 | 1832 | -13534 | 1833 | -12778 | 1834 | -11526 | 1835 | -10582 |
| 1836 | -11343 | 1837 | -13057 | 1837 | -12990 | 1839 | -10298 | 1840 | -7464 | 1841 | -6654 |
| 1842 | -7127 | 1843 | -7721 | 1844 | -9094 | 1845 | -11402 | 1845 | -12467 | 1846 | -10805 |
| 1848 | -8215 | 1849 | -6962 | 1850 | -6578 | 1851 | -5730 | 1852 | -4916 | 1853 | -4868 |
| 1854 | -4571 | 1854 | -3223 | 1856 | -1970 | 1857 | -1621 | 1858 | -911 | 1859 | 1055 |
| 1860 | 3098 | 1861 | 4315 | 1862 | 5401 | 1862 | 6090 | 1864 | 4497 | 1865 | 848 |
| 1866 | -1340 | 1867 | 34 | 1868 | 2711 | 1869 | 3798 | 1870 | 3592 | 1870 | 3699 |
| 1871 | 4119 | 1873 | 4337 | 1874 | 4996 | 1875 | 6570 | 1876 | 8247 | 1877 | 9497 |
| 1878 | 10955 | 1879 | 12762 | 1879 | 13883 | 1881 | 13900 | 1882 | 13714 | 1883 | 13832 |
| 1884 | 13669 | 1885 | 12962 | 1886 | 12233 | 1887 | 11612 | 1887 | 10722 | 1889 | 9703 |
| 1890 | 8947 | 1891 | 8142 | 1892 | 6920 | 1893 | 5771 | 1894 | 4866 | 1895 | 3019 |
| 1895 | -295 | 1896 | -3038 | 1898 | -2984 | 1899 | -1080 | 1900 | -23 | 1901 | -275 |
| 1902 | -107 | 1903 | 1008 | 1904 | 1861 | 1904 | 2140 | 1906 | 2833 | 1907 | 3829 |
| 1908 | 3746 | 1909 | 2465 | 1910 | 1350 | 1911 | 576 | 1912 | -1180 | 1912 | -3748 |
| 1914 | -4755 | 1915 | -3007 | 1916 | -342 | 1917 | 1061 | 1918 | 1305 | 1919 | 1491 |
| 1920 | 1684 | 1920 | 1540 | 1921 | 1510 | 1923 | 2101 | 1924 | 3062 | 1925 | 4269 |
| 1926 | 6276 | 1927 | 9054 | 1928 | 11239 | 1929 | 11636 | 1929 | 10608 | 1931 | 9150 |
| 1932 | 7435 | 1933 | 5267 | 1934 | 3262 | 1935 | 2447 | 1936 | 2865 | 1937 | 3487 |
| 1937 | 3606 | 1939 | 3636 | 1940 | 4233 | 1941 | 5061 | 1942 | 5003 | 1943 | 3544 |
| 1944 | 1315 | 1945 | -991 | 1945 | -3512 | 1946 | -6388 | 1948 | -8851 | 1949 | -10263 |
| 1950 | -11406 | 1951 | -13167 | 1952 | -14318 | 1953 | -12659 | 1954 | -8497 | 1954 | -4841 |
| 1956 | -3580 | 1957 | -3622 | 1958 | -3611 | 1959 | -4080 | 1960 | -5429 | 1961 | -5949 |
| 1962 | -3951 | 1962 | -481 | 1964 | 2053 | 1965 | 2914 | 1966 | 2924 | 1967 | 2414 |
| 1968 | 1243 | 1969 | 85 | 1970 | -356 | 1970 | -1008 | 1971 | -3331 | 1973 | -6716 |
| 1974 | -8741 | 1975 | -8146 | 1976 | -6064 | 1977 | -4080 | 1978 | -2460 | 1979 | -699 |
| 1979 | 1301 | 1981 | 3188 | 1982 | 4687 | 1983 | 5774 | 1984 | 6533 | 1985 | 6915 |
| 1986 | 6547 | 1987 | 5130 | 1987 | 3215 | 1989 | 1984 | 1990 | 1809 | 1991 | 1684 |
| 1992 | 685 | 1993 | -646 | 1994 | -1071 | 1995 | -168 | 1995 | 1655 | 1996 | 4016 |
| 1998 | 6473 | 1999 | 8056 | 2000 | 7880 | 2001 | 6076 | 2002 | 3503 | 2003 | 939 |
| 2004 | -831 | 2004 | -832 | 2006 | 1201 | 2007 | 4070 | 2008 | 6261 | 2009 | 7628 |
| 2010 | 9097 | 2011 | 10968 | 2012 | 12553 | 2012 | 13449 | 2014 | 14034 | 2015 | 14344 |
| 2016 | 13452 | 2017 | 10666 | 2018 | 6782 | 2019 | 3390 | 2020 | 1150 | 2020 | -618 |
| 2021 | -2708 | 2023 | -5046 | 2024 | -7033 | 2025 | -8270 | 2026 | -8659 | 2027 | -8270 |
| 2028 | -7502 | 2029 | -6953 | 2029 | -6679 | 2031 | -5982 | 2032 | -4413 | 2033 | -2482 |
| 2034 | -754 | 2035 | 1113 | 2036 | 3527 | 2037 | 5814 | 2037 | 7092 | 2039 | 7661 |

| | | | | | | | | | | | |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 692040 | 8246 | 2041 | 8593 | 2042 | 8289 | 2043 | 8060 | 2044 | 8287 | 2045 | 7250 |
| 2045 | 3469 | 2046 | -874 | 2048 | -1845 | 2049 | 1058 | 2050 | 4556 | 2051 | 6411 |
| 2052 | 7487 | 2053 | 8665 | 2054 | 8903 | 2055 | 7400 | 2056 | 5050 | 2057 | 2680 |
| 2058 | 5 | 2059 | -2810 | 2060 | -4580 | 2061 | -4875 | 2062 | -4590 | 2063 | -4242 |
| 2064 | -3392 | 2065 | -2059 | 2066 | -985 | 2067 | -318 | 2068 | 289 | 2069 | 239 |
| 2070 | -1602 | 2071 | -4968 | 2072 | -8227 | 2073 | -10337 | 2074 | -11433 | 2075 | -11742 |
| 2076 | -11327 | 2077 | -10667 | 2078 | -10245 | 2079 | -9854 | 2080 | -9203 | 2081 | -8578 |
| 2082 | -8067 | 2083 | -7017 | 2084 | -5116 | 2085 | -3075 | 2086 | -1529 | 2087 | -407 |
| 2088 | 29 | 2089 | -1009 | 2090 | -3349 | 2091 | -5674 | 2092 | -7470 | 2093 | -9533 |
| 2094 | -12023 | 2095 | -13802 | 2096 | -14265 | 2097 | -13809 | 2098 | -12494 | 2099 | -9155 |
| 2100 | -4542 | 2101 | -1046 | 2102 | 294 | 2103 | 868 | 2104 | 1724 | 2105 | 2076 |
| 2106 | 1455 | 2107 | 990 | 2108 | 1291 | 2109 | 1164 | 2110 | -284 | 2111 | -2134 |
| 2112 | -3426 | 2113 | -4652 | 2114 | -6285 | 2115 | -7468 | 2116 | -7344 | 2117 | -6208 |
| 2118 | -4973 | 2119 | -1439 | 2120 | 2306 | 2121 | 5334 | 2122 | 6844 | 2123 | 7944 |
| 2124 | 9858 | 2125 | 12246 | 2126 | 14150 | 2127 | 15183 | 2128 | 14901 | 2129 | 12480 |
| 2130 | 8131 | 2131 | 3473 | 2132 | -504 | 2133 | -4466 | 2134 | -8653 | 2135 | -11343 |
| 2136 | -10983 | 2137 | -8732 | 2138 | -7238 | 2139 | -7514 | 2140 | -8440 | 2141 | -8810 |
| 2142 | -8473 | 2143 | -7701 | 2144 | -6617 | 2145 | -5266 | 2146 | -3525 | 2147 | -1105 |
| 2148 | 1777 | 2149 | 4096 | 2150 | 5054 | 2151 | 5105 | 2152 | 5302 | 2153 | 5879 |
| 2154 | 6171 | 2155 | 5681 | 2156 | 4586 | 2157 | 3270 | 2158 | 1920 | 2159 | 598 |
| 2160 | -635 | 2161 | -1728 | 2162 | -2636 | 2163 | -3326 | 2164 | -3852 | 2165 | -4334 |
| 2166 | -4836 | 2167 | -5351 | 2168 | -5849 | 2169 | -6318 | 2170 | -6788 | 2171 | -7308 |
| 2172 | -7756 | 2173 | -7789 | 2174 | -7253 | 2175 | -6552 | 2176 | -6221 | 2177 | -6243 |
| 2178 | -6232 | 2179 | -6134 | 2180 | -6159 | 2181 | -6115 | 2182 | -5535 | 2183 | -4503 |
| 2184 | -3627 | 2185 | -3065 | 2186 | -2315 | 2187 | -1243 | 2188 | -579 | 2189 | -885 |
| 2190 | -1525 | 2191 | -1235 | 2192 | 436 | 2193 | 2635 | 2194 | 4072 | 2195 | 4137 |
| 2196 | 3235 | 2197 | 2275 | 2198 | 1892 | 2199 | 2009 | 2200 | 1989 | 2201 | 1217 |
| 2202 | -249 | 2203 | -1541 | 2204 | -1732 | 2205 | -793 | 2206 | 533 | 2207 | 1847 |
| 2208 | 3562 | 2209 | 6029 | 2210 | 8793 | 2211 | 11152 | 2212 | 12892 | 2213 | 13996 |
| 2214 | 14215 | 2215 | 13564 | 2216 | 12708 | 2217 | 12134 | 2218 | 11359 | 2219 | 9658 |
| 2220 | 7256 | 2221 | 5111 | 2222 | 3820 | 2223 | 3287 | 2224 | 3206 | 2225 | 3344 |
| 2226 | 3548 | 2227 | 3825 | 2228 | 4261 | 2229 | 4713 | 2230 | 4941 | 2231 | 5068 |
| 2232 | 5373 | 2233 | 5629 | 2234 | 5324 | 2235 | 4575 | 2236 | 3919 | 2237 | 3132 |
| 2238 | 1287 | 2239 | -1668 | 2240 | -4422 | 2241 | -5937 | 2242 | -6693 | 2243 | -7687 |
| 2244 | -8939 | 2245 | -9648 | 2246 | -9347 | 2247 | -8274 | 2248 | -6891 | 2249 | -5526 |
| 2250 | -4346 | 2251 | -3386 | 2252 | -2620 | 2253 | -2005 | 2254 | -1406 | 2255 | -713 |
| 2256 | -151 | 2257 | -139 | 2258 | -635 | 2259 | -1129 | 2260 | -1523 | 2261 | -2328 |
| 2262 | -3693 | 2263 | -5069 | 2264 | -6190 | 2265 | -7339 | 2266 | -8195 | 2267 | -7765 |
| 2268 | -6117 | 2269 | -4596 | 2270 | -3497 | 2271 | -1400 | 2272 | 1919 | 2273 | 3994 |
| 2274 | 2876 | 2275 | 34 | 2276 | -1923 | 2277 | -2765 | 2278 | -3697 | 2279 | -4534 |
| 2280 | -4273 | 2281 | -3363 | 2282 | -3045 | 2283 | -3280 | 2284 | -3301 | 2285 | -3268 |
| 2286 | -3541 | 2287 | -3466 | 2288 | -2800 | 2289 | -3038 | 2290 | -5250 | 2291 | -7815 |
| 2292 | -8441 | 2293 | -7361 | 2294 | -6354 | 2295 | -5688 | 2296 | -4352 | 2297 | -2518 |
| 2298 | -1366 | 2299 | -870 | 2300 | 109 | 2301 | 1672 | 2296 | 2619 | 2303 | 2327 |
| 2304 | 1387 | 2305 | 390 | 2306 | -566 | 2307 | -1111 | 2308 | -533 | 2309 | 1190 |
| 2310 | 3076 | 2311 | 4117 | 2312 | 4116 | 2313 | 3531 | 2314 | 2890 | 2315 | 2444 |
| 2316 | 2107 | 2317 | 1690 | 2318 | 1190 | 2319 | 681 | 2320 | 0 | 2321 | -994 |
| 2322 | -1855 | 2323 | -1827 | 2324 | -841 | 2325 | 413 | 2326 | 1559 | 2327 | 2905 |
| 2328 | 4462 | 2329 | 5486 | 2330 | 5574 | 2331 | 5398 | 2332 | 5637 | 2333 | 5905 |
| 2334 | 5563 | 2335 | 4957 | 2336 | 4915 | 2337 | 5470 | 2338 | 5962 | 2339 | 6050 |

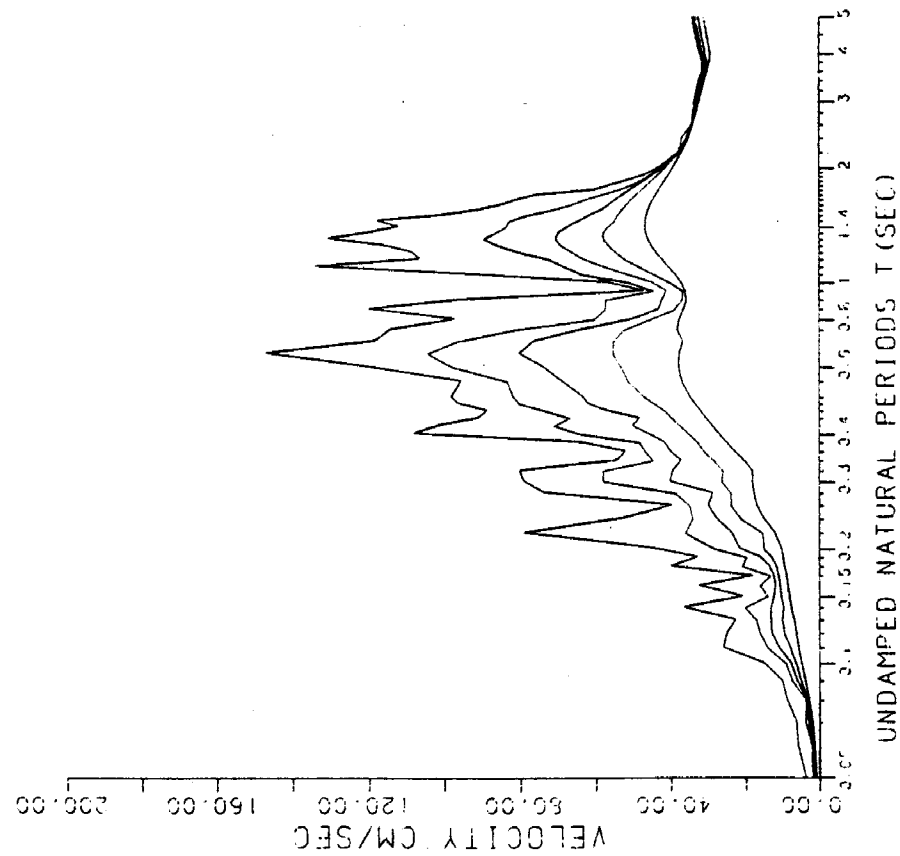
| | | | | | | | | | | | |
|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 2340 | 5827 | 2341 | 5384 | 2342 | 5091 | 2343 | 5871 | 2344 | 8166 | 2345 | 10846 |
| 2346 | 12162 | 2347 | 11688 | 2348 | 10480 | 2349 | 9379 | 2350 | 8141 | 2351 | 6402 |
| 2352 | 4589 | 2353 | 3341 | 2354 | 2532 | 2355 | 1491 | 2356 | 6 | 2357 | -1453 |
| 2358 | -2561 | 2359 | -3549 | 2360 | -4377 | 2361 | -4072 | 2362 | -1810 | 2363 | 1486 |
| 2364 | 3706 | 2365 | 3930 | 2366 | 3267 | 2367 | 2996 | 2368 | 3027 | 2369 | 2813 |
| 2370 | 2651 | 2371 | 3062 | 2372 | 3642 | 2373 | 3544 | 2374 | 2693 | 2375 | 1654 |
| 2376 | 659 | 2377 | -480 | 2378 | -1720 | 2379 | -2792 | 2380 | -3751 | 2381 | -4862 |
| 2382 | -5936 | 2383 | -6324 | 2384 | -5759 | 2385 | -4784 | 2386 | -4069 | 2387 | -3630 |
| 2388 | -3122 | 2389 | -2676 | 2390 | -2809 | 2391 | -3498 | 2392 | -4025 | 2393 | -3966 |
| 2394 | -3623 | 2395 | -3180 | 2396 | -2160 | 2397 | -269 | 2398 | 1773 | 2399 | 2903 |
| 2400 | 2855 | 2401 | 2194 | 2402 | 1440 | 2403 | 567 | 2404 | -704 | 2405 | -2299 |
| 2406 | -3562 | 2407 | -3984 | 2408 | -4114 | 2409 | -4958 | 2410 | -6127 | 2411 | -5752 |
| 2412 | -3133 | 2413 | -312 | 2414 | 366 | 2415 | -666 | 2416 | -1113 | 2417 | -62 |
| 2418 | 1421 | 2419 | 2486 | 2420 | 3385 | 2421 | 4169 | 2422 | 4187 | 2423 | 3231 |
| 2424 | 1920 | 2425 | 703 | 2426 | -501 | 2427 | -1578 | 2428 | -2109 | 2429 | -2150 |
| 2430 | -2235 | 2431 | -2508 | 2432 | -2587 | 2433 | -2275 | 2434 | -1706 | 2435 | -856 |
| 2436 | 420 | 2437 | 1912 | 2438 | 3224 | 2439 | 4358 | 2440 | 5536 | 2441 | 6556 |
| 2442 | 6968 | 2443 | 6835 | 2444 | 6684 | 2445 | 6623 | 2446 | 6097 | 2447 | 4709 |
| 2448 | 2823 | 2449 | 1071 | 2450 | -377 | 2451 | -1751 | 2452 | -3119 | 2453 | -4226 |
| 2454 | -4814 | 2455 | -4909 | 2456 | -4768 | 2457 | -4564 | 2458 | -4115 | 2459 | -3130 |
| 2460 | -1886 | 2461 | -1291 | 2462 | -1768 | 2463 | -2359 | 2464 | -1764 | 2465 | -100 |
| 2466 | 1288 | 2467 | 1780 | 2468 | 2092 | 2469 | 2797 | 2470 | 3463 | 2471 | 3756 |
| 2472 | 4177 | 2473 | 5067 | 2474 | 5880 | 2475 | 6103 | 2476 | 5999 | 2477 | 5791 |
| 2478 | 5006 | 2479 | 3189 | 2480 | 483 | 2481 | -2707 | 2482 | -5620 | 2483 | -6689 |
| 2484 | -4825 | 2485 | -1545 | 2486 | -66 | 2487 | -1576 | 2488 | -3978 | 2489 | -4982 |
| 2490 | -4709 | 2491 | -4388 | 2492 | -4334 | 2493 | -4416 | 2494 | -4973 | 2495 | -5963 |
| 2496 | -6394 | 2497 | -5762 | 2498 | -5012 | 2499 | -5012 | 2500 | -5849 | 2501 | -6614 |
| 2502 | -7587 | 2503 | -8764 | 2504 | -9088 | 2505 | -7632 | 2506 | -5063 | 2507 | -2931 |
| 2508 | -1858 | 2509 | -1215 | 2510 | -376 | 2511 | 486 | 2512 | 1035 | 2513 | 1520 |
| 2514 | 2328 | 2515 | 3055 | 2516 | 2865 | 2517 | 1896 | 2518 | 1287 | 2519 | 1361 |
| 2520 | 916 | 2521 | -755 | 2522 | -2323 | 2523 | -2160 | 2524 | -616 | 2525 | 933 |
| 2526 | 2299 | 2527 | 3998 | 2528 | 5393 | 2529 | 5313 | 2530 | 4096 | 2531 | 3182 |
| 2532 | 2937 | 2533 | 2544 | 2534 | 1770 | 2535 | 1262 | 2536 | 1185 | 2537 | 1028 |
| 2538 | 726 | 2539 | 755 | 2540 | 1145 | 2541 | 1433 | 2542 | 1503 | 2543 | 1638 |
| 2544 | 1888 | 2545 | 2074 | 2546 | 2199 | 2547 | 2350 | 2548 | 2447 | 2549 | 2438 |
| 2550 | 2414 | 2551 | 2394 | 2552 | 2424 | 2553 | 2816 | 2554 | 3676 | 2555 | 4451 |
| 2556 | 4687 | 2557 | 4856 | 2558 | 5492 | 2559 | 5998 | 2560 | 5458 | 2561 | 4149 |
| 2562 | 2974 | 2563 | 1916 | 2564 | 583 | 2565 | -243 | 2566 | 563 | 2567 | 2358 |
| 2568 | 3300 | 2569 | 3002 | 2570 | 2695 | 2571 | 2683 | 2572 | 1699 | 2573 | -671 |
| 2574 | -2887 | 2575 | -3659 | 2576 | -3634 | 2577 | -3868 | 2578 | -4051 | 2579 | -3458 |
| 2580 | -2473 | 2581 | -1852 | 2582 | -1332 | 2583 | -223 | 2584 | 1293 | 2585 | 2569 |
| 2586 | 3507 | 2587 | 4121 | 2588 | 3859 | 2589 | 2547 | 2590 | 1194 | 2591 | 558 |
| 2592 | -202 | 2593 | -1940 | 2594 | -3558 | 2595 | -3570 | 2596 | -2799 | 2597 | -3211 |
| 2598 | -4562 | 2599 | -4751 | 2600 | -3392 | 2601 | -2467 | 2602 | -3136 | 2603 | -4302 |
| 2604 | -4825 | 2605 | -4894 | | | | | | | | |



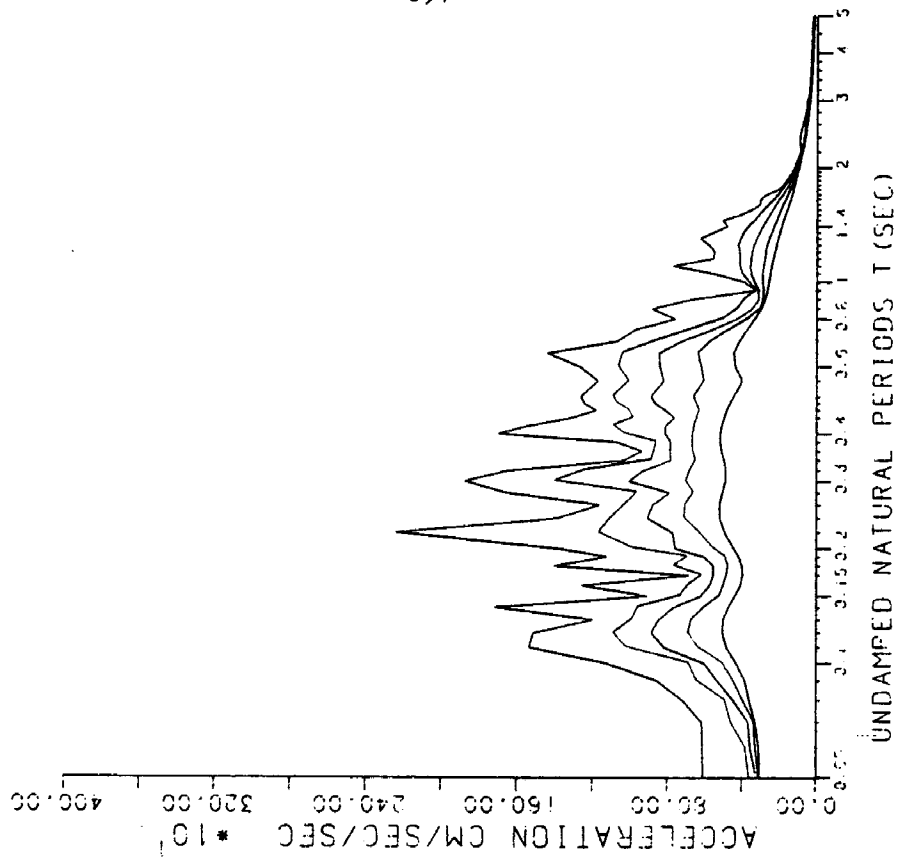
FOURIER SPECTRUM



RELATIVE DISPLACEMENT RESPONSE SPECTRUM



RELATIVE VELOCITY RESPONSE SPECTRUM



TOTAL ACCELERATION RESPONSE SPECTRUM

FOURIER AND RESPONSE SPECTRA

COMPONENT/IDENTIFIC., 86-1T
EPICENTER 27.10 N, 22.19 E
ALLUVIUM, OTE

KALAMATA

EARTHQUAKE
EPICENTER INTENSITY X

ML = 5.5

13-9-86

| D A M P I N G=0. 0 0 | | | | | | | | | | D A M P I N G=0. 0 2 | | | | | | | | | | D A M P I N G=0. 0 5 | | | | | | | | | | D A M P I N G=0. 1 0 | | | | | | | | | |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|--------|--------|--------|--------|--------|--------|------|--------|--------|----------------------|------|--------|------|--------|--------|--------|------|--------|------|----------------------|------|--------|------|--------|--|--------|--|--|--|
| PER FOURIER | | DISPL. | | VELOC. | | ACCEL. | | DISPL. | | VELOC. | | ACCEL. | | DISPL. | | VELOC. | | ACCEL. | | DISPL. | | VELOC. | | ACCEL. | | DISPL. | | VELOC. | | ACCEL. | | DISPL. | | VELOC. | | ACCEL. | | | |
| SEC | CH/S | CM | CM/S | CM/S | CM/S | CM/S | CM/S/S | CM | CM/S | CM/S | CM/S | CM/S | CM/S/S | CM | CM/S | CM/S | CM/S | CM/S | CM/S/S | CM | CM/S | CM/S | CM/S | CM/S | CM/S/S | CM | CM/S | CM/S | CM/S | CM | CM/S | CM/S | CM/S | CM/S/S | | | | | |
| .05 | 2615-3 | 3850-5 | 3661-3 | 6075-1 | 2270-5 | 2060-3 | 3595-1 | 2020-5 | 1522-3 | 3194-1 | 1940-5 | 1266-3 | 3069-1 | 1910-5 | 9496-4 | 3021-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .06 | 4738-3 | 5560-5 | 5714-3 | 6102-1 | 3490-5 | 2190-3 | 3824-1 | 3250-5 | 1708-3 | 3567-1 | 2950-5 | 1601-3 | 3255-1 | 2790-5 | 1333-3 | 3072-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .07 | 3980-3 | 7650-5 | 6192-3 | 6166-1 | 5690-5 | 3801-3 | 4594-1 | 4570-5 | 2868-3 | 3688-1 | 4160-5 | 2357-3 | 3364-1 | 4020-5 | 1927-3 | 3288-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .08 | 4871-3 | 1168-4 | 8677-3 | 7206-1 | 8000-5 | 3663-3 | 4925-1 | 7249-5 | 3400-3 | 4472-1 | 6410-5 | 3281-3 | 3976-1 | 5750-5 | 2804-3 | 3617-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .09 | 4516-3 | 1755-4 | 1004-2 | 8553-1 | 1318-4 | 7356-3 | 6433-1 | 1092-4 | 6018-3 | 5346-1 | 9100-5 | 4977-3 | 4489-1 | 7710-5 | 3803-3 | 3851-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .10 | 6981-3 | 2864-4 | 1501-2 | 1130 0 | 1736-4 | 9121-3 | 6857-1 | 1523-4 | 7574-3 | 6036-1 | 1259-4 | 6344-3 | 5067-1 | 1055-4 | 4773-3 | 4310-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .11 | 1335-2 | 4706-4 | 2614-2 | 1535 0 | 3118-4 | 1409-2 | 1021 0 | 2503-4 | 1090-2 | 8187-1 | 1927-4 | 7898-3 | 6359-1 | 1419-4 | 5566-3 | 4833-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .12 | 1539-2 | 5517-4 | 2514-2 | 1512 0 | 3955-4 | 1621-2 | 1087 0 | 3204-4 | 1278-2 | 8852-1 | 2477-4 | 9467-3 | 6906-1 | 1775-4 | 6222-3 | 5058-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .13 | 2649-4 | 5121-4 | 2272-2 | 1196 0 | 4235-4 | 1718-2 | 9920-1 | 3592-4 | 1314-2 | 8439-1 | 2828-4 | 9954-3 | 6712-1 | 2046-4 | 6828-3 | 5001-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .14 | 1915-2 | 8527-4 | 3655-2 | 1717 0 | 4759-4 | 2027-2 | 9591-1 | 3783-4 | 1309-2 | 7648-1 | 2959-4 | 9582-3 | 6046-1 | 2251-4 | 7467-3 | 4737-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .15 | 4281-3 | 5163-4 | 2074-2 | 9058-1 | 4187-4 | 1395-2 | 7348-1 | 3518-4 | 1216-2 | 6192-1 | 2932-4 | 1029-2 | 5225-1 | 2402-4 | 8012-3 | 4395-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .16 | 6157-3 | 8186-4 | 3235-2 | 1262 0 | 4477-4 | 1607-2 | 6920-1 | 3682-4 | 1181-2 | 5718-1 | 3205-4 | 1062-2 | 5021-1 | 2558-4 | 8445-3 | 4104-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .17 | 7503-3 | 5007-4 | 1810-2 | 6839-1 | 4503-4 | 1317-2 | 6151-1 | 4024-4 | 1223-2 | 5538-1 | 3503-4 | 1101-2 | 4865-1 | 2803-4 | 8833-3 | 3976-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .18 | 1773-2 | 1155-3 | 4003-2 | 1407 0 | 6319-4 | 2094-2 | 7695-1 | 4535-4 | 1342-2 | 5531-1 | 3844-4 | 1148-2 | 4763-1 | 3173-4 | 9282-3 | 4015-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .19 | 1444-2 | 1025-3 | 3280-2 | 1121 0 | 6293-4 | 1984-2 | 6897-1 | 5494-4 | 1599-2 | 6039-1 | 4436-4 | 1277-2 | 4912-1 | 3686-4 | 9714-3 | 4192-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .20 | 2112-2 | 1408-3 | 4392-2 | 1389 0 | 9987-4 | 2833-2 | 9862-1 | 7718-4 | 2151-2 | 7594-1 | 5536-4 | 1501-2 | 5555-1 | 4315-4 | 1011-2 | 4451-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .22 | 1082-2 | 2748-3 | 7910-2 | 2241 0 | 1432-3 | 3605-2 | 1172 0 | 9430-4 | 2374-2 | 7749-1 | 7635-4 | 1540-2 | 6298-1 | 5786-4 | 1185-2 | 4934-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .24 | 3990-2 | 2025-3 | 5302-2 | 1388 0 | 1608-3 | 3408-2 | 1104 0 | 1313-3 | 2767-2 | 9083-1 | 1022-3 | 2133-2 | 7124-1 | 7231-4 | 1501-2 | 5211-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .26 | 5360-3 | 1988-3 | 3969-2 | 1161 0 | 1768-3 | 3511-2 | 1032 0 | 1500-3 | 2998-2 | 8782-1 | 1192-3 | 2388-2 | 7074-1 | 8498-4 | 1691-2 | 5220-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .28 | 7141-2 | 3296-3 | 7381-2 | 1660 0 | 1916-3 | 3889-2 | 9647-1 | 1562-3 | 2882-2 | 7905-1 | 1299-3 | 2389-2 | 6625-1 | 9614-4 | 1770-2 | 5066-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .30 | 5688-2 | 4279-3 | 7907-2 | 1877 0 | 3196-3 | 5822-2 | 1406 0 | 2288-3 | 4029-2 | 1007 0 | 1584-3 | 2640-2 | 7039-1 | 1067-3 | 1810-2 | 4892-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .32 | 6955-2 | 4269-3 | 8028-2 | 1645 0 | 3235-3 | 5808-2 | 1248 0 | 2401-3 | 3964-2 | 9281-1 | 1752-3 | 2599-2 | 6833-1 | 1226-3 | 1812-2 | 4891-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .34 | 8057-3 | 3027-3 | 5448-2 | 1033 0 | 2607-3 | 4471-2 | 8900-1 | 2285-3 | 3721-2 | 7817-1 | 1881-3 | 2835-2 | 6520-1 | 1382-3 | 2038-2 | 4981-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .36 | 1041-2 | 3082-3 | 5209-2 | 9389-1 | 2866-3 | 4692-2 | 8753-1 | 2567-3 | 4008-2 | 7870-1 | 2153-3 | 3112-2 | 6668-1 | 1589-3 | 2286-2 | 5142-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .38 | 4947-2 | 3937-3 | 6429-2 | 1076 0 | 3154-3 | 4840-2 | 8623-1 | 2849-3 | 4157-2 | 7837-1 | 2414-3 | 3275-2 | 6706-1 | 1781-3 | 2508-2 | 5198-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .40 | 9516-2 | 6898-3 | 1081-1 | 1702 0 | 4203-3 | 6447-2 | 1037 0 | 3288-3 | 4601-2 | 8133-1 | 2662-3 | 3509-2 | 6680-1 | 1958-3 | 2707-2 | 5173-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .42 | 4937-2 | 6876-3 | 1016-1 | 1538 0 | 4877-3 | 7115-2 | 1092 0 | 3615-3 | 5037-2 | 8117-1 | 2899-3 | 3736-2 | 6602-1 | 2119-3 | 2884-2 | 5101-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .44 | 4696-2 | 6476-3 | 9121-2 | 1320 0 | 4826-3 | 6685-2 | 9850-1 | 3726-3 | 4830-2 | 7622-1 | 3121-3 | 3955-2 | 6479-1 | 2267-3 | 3048-2 | 4988-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .46 | 5248-2 | 6333-3 | 8865-2 | 1181 0 | 5399-3 | 7358-2 | 1007 0 | 4339-3 | 5723-2 | 8133-1 | 3319-3 | 4159-2 | 6312-1 | 2401-3 | 3203-2 | 4836-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .48 | 2491-2 | 7286-3 | 9644-2 | 1248 0 | 6249-3 | 8027-2 | 1069 0 | 5052-3 | 6214-2 | 8688-1 | 3708-3 | 4426-2 | 6470-1 | 2522-3 | 3348-2 | 4665-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .50 | 2276-2 | 8022-3 | 9816-2 | 1266 0 | 6916-3 | 8187-2 | 1093 0 | 5611-3 | 6341-2 | 8897-1 | 4105-3 | 4698-2 | 6629-1 | 2629-3 | 3480-2 | 4485-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .55 | 5500-2 | 8975-3 | 9562-2 | 1171 0 | 7729-3 | 8359-2 | 1010 0 | 6267-3 | 6902-2 | 8219-1 | 4553-3 | 5136-2 | 6081-1 | 2856-3 | 3698-2 | 4020-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .60 | 1018-1 | 1160-2 | 1208-1 | 1273 0 | 9727-3 | 9810-2 | 1066 0 | 7664-3 | 7404-2 | 8440-1 | 5576-3 | 5329-2 | 6220-1 | 3755-3 | 3786-2 | 4391-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .65 | 1304-1 | 1546-2 | 1472-1 | 1444 0 | 1118-2 | 1044-1 | 1045 0 | 9031-3 | 8037-2 | 8480-1 | 6726-3 | 5541-2 | 6404-1 | 4462-3 | 3767-2 | 4474-1 | | | | | | | | | | | | | | | | | | | | | | | |
| .70 | 9193-2 | 1328-2 | 1185-1 | 1070 0 | 1081-2 | 9622-2 | 8727-1 | 8976-3 | 7650-2 | 7266-1 | 6947-3 | 5517-2 | 5708-1 | 4829-3 | 3666-2 | 4186-1 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6.75 | 2079-2 | 1386-2 | 1144-1 | 9728-1 | 9646-3 | 8174-2 | 6774-1 | 7932-3 | 6429-2 | 5595-1 | 6554-3 | 5249-2 | 4701-1 | 4961-3 | 3820-2 | 3753-1 |
| .80 | 6153-2 | 1231-2 | 9712-2 | 7556-1 | 8227-3 | 6039-2 | 5075-1 | 6969-3 | 5039-2 | 4315-1 | 5932-3 | 4563-2 | 3741-1 | 4997-3 | 3767-2 | 3335-1 |
| .85 | 3687-2 | 1626-2 | 1201-1 | 8888-1 | 7905-3 | 5739-2 | 4322-1 | 6391-3 | 4331-2 | 3508-1 | 5528-3 | 3896-2 | 3066-1 | 5061-3 | 3647-2 | 3006-1 |
| .90 | 8364-2 | 1375-2 | 9541-2 | 6703-1 | 8134-3 | 5725-2 | 3963-1 | 6355-3 | 4244-2 | 3112-1 | 5816-3 | 3685-2 | 2893-1 | 5236-3 | 3574-2 | 2785-1 |
| .95 | 1345-2 | 7513-3 | 4714-2 | 3286-1 | 7434-3 | 4458-2 | 3253-1 | 7144-3 | 4113-2 | 3144-1 | 6405-3 | 3660-2 | 2865-1 | 5536-3 | 3598-2 | 2647-1 |
| 1.00 | 1490-3 | 9989-3 | 5721-2 | 3943-1 | 9322-3 | 5121-2 | 3685-1 | 8453-3 | 4495-2 | 3357-1 | 7184-3 | 4013-2 | 2909-1 | 5928-3 | 3706-2 | 2563-1 |
| 1.05 | 2305-2 | 1548-2 | 9331-2 | 5544-1 | 1123-2 | 6374-2 | 4024-1 | 9794-3 | 5196-2 | 3531-1 | 7964-3 | 4437-2 | 2930-1 | 6369-3 | 3870-2 | 2494-1 |
| 1.10 | 4845-2 | 2370-2 | 1342-1 | 7735-1 | 1272-2 | 6834-2 | 4156-1 | 1088-2 | 5802-2 | 3570-1 | 8598-3 | 4833-2 | 2879-1 | 6814-3 | 4055-2 | 2425-1 |
| 1.15 | 9047-2 | 1863-2 | 1064-1 | 5562-1 | 1591-2 | 7253-2 | 4156-1 | 1178-2 | 6353-2 | 3531-1 | 9220-3 | 5221-2 | 2804-1 | 7238-3 | 4233-2 | 2341-1 |
| 1.20 | 5744-2 | 2016-2 | 1085-1 | 5528-1 | 1522-2 | 8011-2 | 4177-1 | 1264-2 | 6653-2 | 3481-1 | 9846-3 | 5448-2 | 2757-1 | 7614-3 | 4389-2 | 2247-1 |
| 1.25 | 5803-2 | 2314-2 | 1161-1 | 5848-1 | 1683-2 | 8579-2 | 4256-1 | 1329-2 | 6936-2 | 3376-1 | 1033-2 | 5642-2 | 2671-1 | 7923-3 | 4516-2 | 2166-1 |
| 1.30 | 5499-2 | 2688-2 | 1307-1 | 6279-1 | 1750-2 | 8967-2 | 4092-1 | 1378-2 | 7071-2 | 3232-1 | 1065-2 | 5800-2 | 2556-1 | 8174-3 | 4601-2 | 2080-1 |
| 1.35 | 9039-2 | 2545-2 | 1202-1 | 5513-1 | 1824-2 | 8663-2 | 3956-1 | 1416-2 | 6997-2 | 3083-1 | 1095-2 | 5806-2 | 2424-1 | 8360-3 | 4655-2 | 1987-1 |
| 1.40 | 6961-2 | 2393-2 | 1122-1 | 4821-1 | 1825-2 | 8361-2 | 3680-1 | 1439-2 | 6752-2 | 2913-1 | 1118-2 | 5684-2 | 2298-1 | 8493-3 | 4676-2 | 1887-1 |
| 1.45 | 9055-2 | 2715-2 | 1178-1 | 5099-1 | 1786-2 | 8281-2 | 3358-1 | 1452-2 | 6446-2 | 2738-1 | 1133-2 | 5494-2 | 2167-1 | 8592-3 | 4676-2 | 1782-1 |
| 1.50 | 8963-2 | 2374-2 | 1004-1 | 4166-1 | 1773-2 | 7833-2 | 3114-1 | 1454-2 | 6180-2 | 2565-1 | 1142-2 | 5416-2 | 2041-1 | 8674-3 | 4648-2 | 1676-1 |
| 1.55 | 5389-2 | 2126-2 | 9087-2 | 3495-1 | 1735-2 | 7170-2 | 2854-1 | 1445-2 | 5863-2 | 2387-1 | 1144-2 | 5309-2 | 1919-1 | 8737-3 | 4608-2 | 1573-1 |
| 1.60 | 6585-2 | 1979-2 | 8487-2 | 3052-1 | 1671-2 | 6659-2 | 2580-1 | 1419-2 | 5647-2 | 2204-1 | 1136-2 | 5187-2 | 1794-1 | 8771-3 | 4549-2 | 1474-1 |
| 1.65 | 7185-2 | 2081-2 | 8084-2 | 3018-1 | 1582-2 | 6304-2 | 2296-1 | 1379-2 | 5470-2 | 2015-1 | 1118-2 | 5061-2 | 1666-1 | 8773-3 | 4479-2 | 1380-1 |
| 1.70 | 4029-2 | 2011-2 | 7564-2 | 2747-1 | 1516-2 | 5866-2 | 2074-1 | 1330-2 | 5284-2 | 1827-1 | 1090-2 | 4929-2 | 1536-1 | 8750-3 | 4404-2 | 1304-1 |
| 1.75 | 2226-2 | 1647-2 | 6029-2 | 2123-1 | 1451-2 | 5396-2 | 1872-1 | 1280-2 | 5092-2 | 1659-1 | 1071-2 | 4794-2 | 1423-1 | 8710-3 | 4323-2 | 1237-1 |
| 1.80 | 3617-2 | 1511-2 | 5635-2 | 1842-1 | 1388-2 | 5076-2 | 1693-1 | 1230-2 | 4899-2 | 1506-1 | 1051-2 | 4657-2 | 1321-1 | 8656-3 | 4240-2 | 1172-1 |
| 1.85 | 3151-2 | 1437-2 | 5210-2 | 1657-1 | 1327-2 | 4825-2 | 1532-1 | 1183-2 | 4712-2 | 1372-1 | 1030-2 | 4521-2 | 1227-1 | 8591-3 | 4159-2 | 1110-1 |
| 1.90 | 2200-6 | 1364-2 | 4807-2 | 1492-1 | 1268-2 | 4609-2 | 1388-1 | 1138-2 | 4539-2 | 1252-1 | 1009-2 | 4394-2 | 1141-1 | 8520-3 | 4080-2 | 1051-1 |
| 1.95 | 3392-2 | 1295-2 | 4541-2 | 1345-1 | 1211-2 | 4417-2 | 1258-1 | 1095-2 | 4377-2 | 1144-1 | 9896-3 | 4272-2 | 1063-1 | 8445-3 | 4007-2 | 9961-2 |
| 2.00 | 1251-2 | 1232-2 | 4338-2 | 1216-1 | 1157-2 | 4245-2 | 1143-1 | 1053-2 | 4230-2 | 1047-1 | 9707-3 | 4159-2 | 9928-2 | 8370-3 | 3937-2 | 9444-2 |
| 2.20 | 1415-2 | 1067-2 | 3785-2 | 8705-2 | 9938-3 | 3759-2 | 8113-2 | 9594-3 | 3790-2 | 7904-2 | 9109-3 | 3796-2 | 7745-2 | 8104-3 | 3703-2 | 7718-2 |
| 2.40 | 1419-2 | 1351-2 | 3704-2 | 9265-2 | 9496-3 | 3519-2 | 6520-2 | 9238-3 | 3549-2 | 6393-2 | 8785-3 | 3570-2 | 6320-2 | 7894-3 | 3531-2 | 6449-2 |
| 2.60 | 1242-2 | 1290-2 | 3439-2 | 7534-2 | 1037-2 | 3416-2 | 6070-2 | 9116-3 | 3425-2 | 5385-2 | 8610-3 | 3434-2 | 5308-2 | 7715-3 | 3405-2 | 5492-2 |
| 2.80 | 2340-2 | 1184-2 | 3403-2 | 5965-2 | 9375-3 | 3370-2 | 4733-2 | 8999-3 | 3350-2 | 4598-2 | 8448-3 | 3341-2 | 4515-2 | 7535-3 | 3310-2 | 4919-2 |
| 3.00 | 2582-2 | 1288-2 | 3371-2 | 5652-2 | 9255-3 | 3331-2 | 4069-2 | 8763-3 | 3284-2 | 3913-2 | 8208-3 | 3265-2 | 3846-2 | 7324-3 | 3231-2 | 4511-2 |
| 3.20 | 7617-3 | 9524-3 | 3322-2 | 3672-2 | 9127-3 | 3279-2 | 3529-2 | 8587-3 | 3221-2 | 3354-2 | 7863-3 | 3191-2 | 3442-2 | 7328-3 | 3159-2 | 4179-2 |
| 3.40 | 6236-3 | 9136-3 | 3250-2 | 3120-2 | 8781-3 | 3211-2 | 3010-2 | 8359-3 | 3156-2 | 2982-2 | 8066-3 | 3114-2 | 3203-2 | 7563-3 | 3089-2 | 3900-2 |
| 3.60 | 6016-4 | 9125-3 | 3159-2 | 2779-2 | 8954-3 | 3127-2 | 2749-2 | 8719-3 | 3080-2 | 2782-2 | 8370-3 | 3032-2 | 2991-2 | 7788-3 | 3020-2 | 3657-2 |
| 3.80 | 4771-3 | 9492-3 | 3162-2 | 2595-2 | 9296-3 | 3133-2 | 2562-2 | 9026-3 | 3092-2 | 2594-2 | 8636-3 | 3024-2 | 2798-2 | 7992-3 | 2951-2 | 3440-2 |
| 4.00 | 3673-3 | 9777-3 | 3220-2 | 2412-2 | 9569-3 | 3188-2 | 2381-2 | 9281-3 | 3142-2 | 2415-2 | 8858-3 | 3059-2 | 2618-2 | 8173-3 | 2931-2 | 3243-2 |
| 4.50 | 3723-3 | 1016-2 | 3342-2 | 1982-2 | 9955-3 | 3305-2 | 1961-2 | 9659-3 | 3253-2 | 2007-2 | 9223-3 | 3171-2 | 2219-2 | 8500-3 | 3024-2 | 2821-2 |
| 5.00 | 2201-3 | 1020-2 | 3425-2 | 1610-2 | 1001-2 | 3388-2 | 1601-2 | 9748-3 | 3334-2 | 1661-2 | 9341-3 | 3250-2 | 1885-2 | 8660-3 | 3100-2 | 2473-2 |

