

## **APPENDIX C**

**Scaled El-Centro 1940 North-South component,  $A_{g3}$**

Table C Scaled El-Centro 1940 North-South component,  $A_{g3}$ , 3119 data points at equal spacing of 0.01sec(read column by column from left to right) The unit is g.

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 0.0030900  | 0.0136500  | -0.0119000 | 0.0655000  | 0.0790000  | 0.0344500  | -0.0660000 |
| 0.0024400  | 0.0164000  | -0.0073000 | 0.0785000  | 0.0960000  | 0.0262000  | -0.0830000 |
| 0.0017850  | 0.0191500  | -0.0026750 | 0.0910000  | 0.1125000  | 0.0179500  | -0.1005000 |
| 0.0011350  | 0.0156000  | 0.0019450  | 0.1040000  | 0.1295000  | 0.0097000  | -0.0810000 |
| 0.0004855  | 0.0120000  | 0.0065500  | 0.1170000  | 0.1465000  | 0.0014450  | -0.0610000 |
| 0.0012900  | 0.0084500  | 0.0112000  | 0.1125000  | 0.1300000  | -0.0068000 | -0.0416000 |
| 0.0021000  | 0.0048800  | 0.0158000  | 0.1080000  | 0.1140000  | -0.0150500 | -0.0220000 |
| 0.0029100  | 0.0047950  | 0.0204000  | 0.1035000  | 0.0975000  | -0.0089000 | -0.0023850 |
| 0.0037200  | 0.0047150  | 0.0250500  | 0.0990000  | 0.0810000  | -0.0027500 | 0.0172500  |
| 0.0045250  | 0.0046300  | 0.0296500  | 0.0940000  | 0.0650000  | 0.0034000  | 0.0368500  |
| 0.0053500  | 0.0045400  | 0.0342500  | 0.0895000  | 0.0486000  | 0.0095500  | 0.0565000  |
| 0.0043400  | 0.0044600  | 0.0389000  | 0.0850000  | 0.0323500  | 0.0157000  | 0.0760000  |
| 0.0033450  | 0.0043750  | 0.0435000  | 0.0805000  | 0.0160500  | 0.0218500  | 0.0955000  |
| 0.0023500  | 0.0009950  | 0.0328500  | 0.0760000  | -0.0002500 | 0.0268000  | 0.0780000  |
| 0.0013600  | -0.0023850 | 0.0222000  | 0.0715000  | -0.0165500 | 0.0317500  | 0.0605000  |
| 0.0003655  | -0.0057500 | 0.0115500  | 0.0755000  | -0.0328500 | 0.0366500  | 0.0426500  |
| -0.0006300 | -0.0091500 | 0.0008800  | 0.0790000  | -0.0491000 | 0.0416000  | 0.0250000  |
| 0.0005900  | -0.0125000 | -0.0098000 | 0.0830000  | -0.0655000 | 0.0465000  | 0.0073000  |
| 0.0018050  | -0.0159000 | -0.0204500 | 0.0870000  | -0.0815000 | 0.0515000  | -0.0103500 |
| 0.0030200  | -0.0162000 | -0.0311000 | 0.0760000  | -0.0980000 | 0.0402000  | -0.0280500 |
| 0.0042400  | -0.0165000 | -0.0417500 | 0.0650000  | -0.1145000 | 0.0289000  | -0.0457000 |
| 0.0054500  | -0.0223000 | -0.0525000 | 0.0540000  | -0.1305000 | 0.0176500  | -0.0294000 |
| 0.0066500  | -0.0280500 | -0.0630000 | 0.0427000  | -0.1470000 | 0.0064000  | -0.0130500 |
| 0.0051000  | -0.0251500 | -0.0735000 | 0.0316500  | -0.0745000 | -0.0048700 | 0.0032650  |
| 0.0035650  | -0.0222500 | -0.0845000 | 0.0206000  | -0.0020650 | -0.0161500 | 0.0196000  |
| 0.0020150  | -0.0193500 | -0.0740000 | 0.0095000  | 0.0705000  | -0.0274000 | 0.0359000  |
| 0.0004610  | -0.0164000 | -0.0635000 | -0.0015400 | 0.1425000  | -0.0386500 | 0.0525000  |
| 0.0012600  | -0.0160500 | -0.0530000 | -0.0126000 | 0.1265000  | -0.0280500 | 0.0685000  |
| 0.0020600  | -0.0157000 | -0.0422500 | -0.0236500 | 0.1100000  | -0.0174500 | 0.0850000  |
| 0.0015700  | -0.0153500 | -0.0429500 | -0.0347000 | 0.0935000  | -0.0068500 | 0.0700000  |
| 0.0010850  | -0.0150000 | -0.0436500 | -0.0458000 | 0.0770000  | 0.0037800  | 0.0555000  |
| 0.0005950  | -0.0146500 | -0.0444000 | -0.0570000 | 0.0605000  | 0.0144000  | 0.0405500  |
| 0.0001030  | -0.0143000 | -0.0451000 | -0.0680000 | 0.0438500  | 0.0250000  | 0.0258000  |
| 0.0011400  | -0.0139000 | -0.0458000 | -0.0790000 | 0.0274000  | 0.0150000  | 0.0110000  |
| 0.0021800  | -0.0135500 | -0.0465000 | -0.0900000 | 0.0109000  | 0.0049700  | -0.0037850 |
| 0.0032150  | -0.0169000 | -0.0461000 | -0.1010000 | -0.0055500 | -0.0050500 | 0.0007150  |
| 0.0042550  | -0.0202000 | -0.0457500 | -0.1120000 | -0.0220500 | -0.0150500 | 0.0052000  |
| 0.0053000  | -0.0235000 | -0.0453500 | -0.1230000 | -0.0065500 | -0.0251000 | 0.0097000  |
| 0.0063500  | -0.0268000 | -0.0449500 | -0.1345000 | 0.0090000  | -0.0351000 | 0.0142000  |
| 0.0073500  | -0.0301000 | -0.0457000 | -0.1455000 | 0.0245000  | -0.0451000 | 0.0187500  |
| 0.0084000  | -0.0334500 | -0.0465000 | -0.1565000 | 0.0400500  | -0.0550000 | 0.0232500  |
| 0.0033600  | -0.0367500 | -0.0472500 | -0.1395000 | 0.0555000  | -0.0650000 | 0.0277500  |
| -0.0016800 | -0.0400500 | -0.0480000 | -0.1225000 | 0.0710000  | -0.0750000 | 0.0322500  |
| -0.0067500 | -0.0368000 | -0.0555000 | -0.1060000 | 0.0865000  | -0.0655000 | 0.0211000  |
| -0.0117500 | -0.0336000 | -0.0635000 | -0.0890000 | 0.1020000  | -0.0555000 | 0.0099000  |
| -0.0083000 | -0.0303500 | -0.0505000 | -0.0725000 | 0.0975000  | -0.0456500 | -0.0012500 |
| -0.0048650 | -0.0271000 | -0.0375500 | -0.0555000 | 0.0930000  | -0.0358500 | -0.0124000 |
| -0.0014150 | -0.0239000 | -0.0246500 | -0.0386500 | 0.0885000  | -0.0260000 | -0.0235500 |
| 0.0020400  | -0.0206500 | -0.0118000 | -0.0218500 | 0.0840000  | -0.0161500 | -0.0347500 |
| 0.0023150  | -0.0207500 | 0.0011000  | -0.0050000 | 0.0755000  | -0.0063500 | -0.0274500 |
| 0.0025900  | -0.0209000 | 0.0139500  | 0.0118000  | 0.0675000  | 0.0035050  | -0.0201500 |
| 0.0053500  | -0.0210000 | 0.0268500  | 0.0286500  | 0.0590000  | -0.0138000 | -0.0128500 |
| 0.0081000  | -0.0211500 | 0.0397500  | 0.0454500  | 0.0510000  | -0.0311500 | -0.0055500 |
| 0.0108500  | -0.0165500 | 0.0525000  | 0.0625000  | 0.0427000  | -0.0484500 | -0.0020700 |

Table C (Continued)

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 0.0014150  | -0.0199500 | -0.0775000 | 0.0510000  | 0.0108500  | 0.0003630  | 0.0087000  |
| 0.0049000  | -0.0084500 | -0.0499500 | 0.0342500  | 0.0119500  | -0.0011300 | 0.0037800  |
| 0.0084000  | 0.0030550  | -0.0222000 | 0.0174000  | 0.0130500  | -0.0026200 | -0.0011350 |
| 0.0118500  | 0.0145500  | 0.0056000  | 0.0005800  | 0.0075500  | -0.0041100 | -0.0060500 |
| 0.0153500  | 0.0261000  | 0.0333500  | -0.0162500 | 0.0020550  | -0.0056000 | -0.0109500 |
| 0.0020900  | 0.0376000  | 0.0610000  | -0.0331000 | -0.0034350 | -0.0019150 | -0.0010900 |
| -0.0111500 | 0.0491000  | 0.0890000  | -0.0499500 | -0.0089000 | 0.0017700  | 0.0088000  |
| -0.0244500 | 0.0605000  | 0.0800000  | -0.0428000 | -0.0144000 | 0.0054500  | 0.0186500  |
| -0.0377000 | 0.0720000  | 0.0710000  | -0.0356000 | -0.0199000 | 0.0091500  | 0.0285500  |
| -0.0510000 | 0.0600000  | 0.0620000  | -0.0284500 | -0.0254000 | 0.0128000  | 0.0234500  |
| -0.0640000 | 0.0478500  | 0.0530000  | -0.0213000 | -0.0308500 | 0.0165000  | 0.0183500  |
| -0.0775000 | 0.0357000  | 0.0440000  | -0.0141500 | -0.0213500 | 0.0202000  | 0.0132500  |
| -0.0910000 | 0.0236000  | 0.0350000  | -0.0070000 | -0.0118500 | 0.0238500  | 0.0081500  |
| -0.0805000 | 0.0114500  | 0.0260000  | 0.0001620  | -0.0023450 | 0.0194000  | 0.0030450  |
| -0.0705000 | -0.0006750 | 0.0170500  | 0.0073000  | 0.0071500  | 0.0149000  | -0.0020500 |
| -0.0600000 | 0.0122500  | 0.0322000  | -0.0013050 | 0.0166500  | 0.0104500  | -0.0071500 |
| -0.0500000 | 0.0252000  | 0.0474000  | -0.0099500 | 0.0262000  | 0.0059500  | -0.0122500 |
| -0.0398000 | 0.0381500  | 0.0625000  | -0.0185500 | 0.0190500  | 0.0014700  | -0.0173500 |
| -0.0296000 | 0.0510000  | 0.0780000  | -0.0272000 | 0.0119000  | -0.0030100 | -0.0224500 |
| -0.0194000 | 0.0640000  | 0.0930000  | -0.0358000 | 0.0047750  | -0.0075000 | -0.0163000 |
| -0.0092000 | 0.0770000  | 0.1080000  | -0.0444500 | -0.0023550 | -0.0119500 | -0.0101500 |
| 0.0009900  | 0.0900000  | 0.0990000  | -0.0530000 | -0.0095000 | -0.0026150 | -0.0040200 |
| 0.0112000  | 0.1030000  | 0.0895000  | -0.0615000 | -0.0166000 | 0.0067500  | 0.0021200  |
| 0.0031500  | 0.1160000  | 0.0805000  | -0.0705000 | -0.0097000 | 0.0060500  | 0.0082500  |
| -0.0048850 | 0.1290000  | 0.0715000  | -0.0790000 | -0.0027300 | 0.0054000  | 0.0144000  |
| -0.0129000 | 0.1060000  | 0.0620000  | -0.0875000 | 0.0042100  | 0.0047150  | 0.0109500  |
| -0.0209500 | 0.0835000  | 0.0530000  | -0.0960000 | 0.0111500  | 0.0040350  | 0.0075000  |
| -0.0157500 | 0.0605000  | 0.0436500  | -0.0845000 | 0.0072500  | 0.0033600  | 0.0081500  |
| -0.0105500 | 0.0379500  | 0.0344500  | -0.0725000 | 0.0033300  | 0.0026850  | 0.0088500  |
| -0.0053000 | 0.0152000  | 0.0252500  | -0.0605000 | -0.0005800 | 0.0033350  | 0.0095500  |
| -0.0001030 | -0.0075000 | 0.0160000  | -0.0488500 | -0.0044900 | 0.0039850  | 0.0102500  |
| 0.0051000  | -0.0302000 | 0.0243000  | -0.0370000 | -0.0084000 | 0.0046350  | 0.0070500  |
| 0.0103000  | -0.0530000 | 0.0326000  | -0.0251500 | -0.0123000 | 0.0053000  | 0.0038900  |
| 0.0015800  | -0.0755000 | 0.0409000  | -0.0133000 | -0.0162000 | 0.0009450  | 0.0007150  |
| -0.0071500 | -0.0985000 | 0.0492000  | -0.0014600 | -0.0201500 | -0.0033950 | -0.0024550 |
| -0.0159000 | -0.0660000 | 0.0575000  | -0.0055000 | -0.0240500 | -0.0077500 | -0.0056500 |
| -0.0246500 | -0.0333000 | 0.0660000  | -0.0095500 | -0.0279500 | -0.0120500 | -0.0088000 |
| -0.0333500 | -0.0007550 | 0.0585000  | -0.0136500 | -0.0184500 | -0.0164000 | -0.0120000 |
| -0.0421000 | 0.0318000  | 0.0505000  | -0.0177000 | -0.0089500 | -0.0207500 | -0.0151500 |
| -0.0510000 | 0.0200000  | 0.0431500  | -0.0217500 | 0.0005400  | -0.0251000 | -0.0121000 |
| -0.0595000 | 0.0082000  | 0.0356000  | -0.0258000 | 0.0100500  | -0.0294500 | -0.0090500 |
| -0.0685000 | -0.0035950 | 0.0280500  | -0.0231500 | 0.0061500  | -0.0337500 | -0.0059500 |
| -0.0770000 | -0.0154000 | 0.0205000  | -0.0205000 | 0.0022250  | -0.0381000 | -0.0029100 |
| -0.0860000 | -0.0272000 | 0.0129500  | -0.0178500 | -0.0016800 | -0.0424500 | 0.0001520  |
| -0.0945000 | -0.0389500 | 0.0054000  | -0.0152500 | -0.0056000 | -0.0468000 | 0.0032150  |
| -0.1035000 | -0.0510000 | -0.0021750 | -0.0147500 | -0.0033200 | -0.0386000 | -0.0045700 |
| -0.1120000 | -0.0625000 | -0.0097500 | -0.0142500 | -0.0010550 | -0.0304500 | -0.0123500 |
| -0.1005000 | -0.0745000 | 0.0060000  | -0.0137500 | 0.0012100  | -0.0223000 | -0.0201500 |
| -0.0890000 | -0.0860000 | 0.0217500  | -0.0132500 | 0.0034750  | -0.0141500 | -0.0279000 |
| -0.0775000 | -0.0980000 | 0.0375000  | -0.0004515 | 0.0029550  | -0.0059500 | -0.0239000 |
| -0.0660000 | -0.1095000 | 0.0535000  | 0.0123500  | 0.0024350  | 0.0021950  | -0.0198500 |
| -0.0545000 | -0.1215000 | 0.0690000  | 0.0105000  | 0.0019150  | 0.0103500  | -0.0158000 |
| -0.0429500 | -0.1335000 | 0.0850000  | 0.0087000  | 0.0014000  | 0.0185500  | -0.0117500 |
| -0.0314500 | -0.1055000 | 0.0680000  | 0.0097500  | 0.0008800  | 0.0136000  | -0.0077000 |

Table C (Continued)

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| -0.0036800 | 0.0338500  | 0.0635000  | -0.0195500 | -0.0332000 | 0.0197500  | -0.0069000 |
| 0.0003605  | 0.0311000  | 0.0560000  | -0.0110500 | -0.0285500 | 0.0145000  | -0.0141500 |
| 0.0044000  | 0.0283000  | 0.0484000  | -0.0025350 | -0.0239000 | 0.0092000  | -0.0214500 |
| 0.0031400  | 0.0255500  | 0.0407000  | 0.0059500  | -0.0192500 | 0.0155500  | -0.0287500 |
| 0.0018850  | 0.0227500  | 0.0330500  | 0.0144500  | -0.0145500 | 0.0218500  | -0.0360500 |
| 0.0006250  | 0.0200000  | 0.0254000  | 0.0229500  | -0.0099000 | 0.0281500  | -0.0278000 |
| -0.0006350 | 0.0172000  | 0.0177500  | 0.0315000  | -0.0052500 | 0.0345000  | -0.0195500 |
| -0.0018900 | 0.0168500  | 0.0101000  | 0.0400000  | -0.0005950 | 0.0408000  | -0.0113500 |
| -0.0031500 | 0.0164500  | 0.0024300  | 0.0485000  | 0.0040650  | 0.0471500  | -0.0031050 |
| -0.0044100 | 0.0161000  | 0.0022450  | 0.0570000  | 0.0012650  | 0.0535000  | 0.0051500  |
| -0.0056500 | 0.0157500  | 0.0020600  | 0.0655000  | -0.0015400 | 0.0600000  | 0.0133500  |
| -0.0092500 | 0.0153500  | 0.0018750  | 0.0472500  | 0.0065000  | 0.0454500  | 0.0216000  |
| -0.0128500 | 0.0150000  | 0.0016900  | 0.0290500  | 0.0145500  | 0.0311500  | 0.0298000  |
| -0.0164500 | 0.0154500  | 0.0015050  | 0.0108500  | 0.0226000  | 0.0168500  | 0.0239000  |
| -0.0200000 | 0.0159500  | 0.0013200  | -0.0073500 | 0.0306500  | 0.0025350  | 0.0180000  |
| -0.0236000 | 0.0164000  | -0.0138500 | -0.0256000 | 0.0147500  | -0.0117500 | 0.0121000  |
| -0.0272000 | 0.0169000  | -0.0290500 | -0.0438000 | -0.0011500 | -0.0261000 | 0.0061500  |
| -0.0243000 | 0.0173500  | -0.0442500 | -0.0620000 | -0.0170500 | -0.0207000 | 0.0002575  |
| -0.0214000 | 0.0178500  | -0.0595000 | -0.0800000 | -0.0329500 | -0.0153000 | -0.0056500 |
| -0.0185500 | 0.0122500  | -0.0745000 | -0.0550000 | -0.0264000 | -0.0099500 | -0.0115500 |
| -0.0156500 | 0.0066000  | -0.0900000 | -0.0299000 | -0.0198500 | -0.0045600 | -0.0175000 |
| -0.0249000 | 0.0009950  | -0.0745000 | -0.0047400 | -0.0133500 | 0.0008150  | -0.0104000 |
| -0.0341500 | -0.0046200 | -0.0590000 | 0.0204000  | -0.0068000 | 0.0062000  | -0.0033200 |
| -0.0309000 | -0.0102500 | -0.0437000 | 0.0140000  | -0.0002795 | 0.0116000  | 0.0037600  |
| -0.0276500 | -0.0158500 | -0.0283500 | 0.0076000  | 0.0062500  | 0.0169500  | 0.0108500  |
| -0.0243500 | -0.0152500 | -0.0130000 | 0.0012000  | 0.0051000  | 0.0165500  | 0.0179000  |
| -0.0211000 | -0.0147000 | 0.0023500  | -0.0052000 | 0.0039500  | 0.0161000  | 0.0250000  |
| -0.0178500 | -0.0149500 | 0.0177000  | -0.0116000 | 0.0094000  | 0.0157000  | 0.0321000  |
| -0.0146000 | -0.0152000 | 0.0330500  | -0.0180000 | 0.0148500  | 0.0152500  | 0.0391500  |
| -0.0113000 | -0.0154000 | 0.0484000  | -0.0244500 | 0.0202500  | 0.0148000  | 0.0365500  |
| -0.0080500 | -0.0156500 | 0.0640000  | -0.0308500 | 0.0257000  | 0.0144000  | 0.0339000  |
| -0.0047900 | -0.0142000 | 0.0525000  | -0.0372500 | 0.0186000  | 0.0182500  | 0.0313000  |
| -0.0015250 | -0.0127000 | 0.0410500  | -0.0436500 | 0.0115500  | 0.0221500  | 0.0286500  |
| 0.0017400  | -0.0112000 | 0.0297000  | -0.0351500 | 0.0044400  | 0.0260000  | 0.0260500  |
| 0.0050000  | -0.0097500 | 0.0183500  | -0.0266500 | -0.0026550 | 0.0298500  | 0.0234000  |
| 0.0082500  | -0.0082500 | 0.0263000  | -0.0181500 | -0.0097500 | 0.0337000  | 0.0208000  |
| 0.0115500  | -0.0067500 | 0.0342500  | -0.0096000 | -0.0168500 | 0.0376000  | 0.0182000  |
| 0.0148000  | -0.0053000 | 0.0421500  | -0.0011100 | -0.0239500 | 0.0414500  | 0.0155500  |
| 0.0180500  | -0.0038000 | 0.0500000  | 0.0074000  | -0.0310000 | 0.0453000  | 0.0129500  |
| 0.0213000  | -0.0054500 | 0.0164000  | 0.0159000  | -0.0381000 | 0.0367500  | 0.0207500  |
| 0.0246000  | -0.0071000 | -0.0172500 | 0.0244000  | -0.0452000 | 0.0281500  | 0.0285500  |
| 0.0182500  | -0.0087500 | -0.0510000 | 0.0329000  | -0.0525000 | 0.0196000  | 0.0363500  |
| 0.0119500  | -0.0104000 | -0.0845000 | 0.0414500  | -0.0595000 | 0.0110000  | 0.0442000  |
| 0.0056500  | -0.0014700 | -0.0760000 | 0.0330500  | -0.0505000 | 0.0024350  | 0.0520000  |
| -0.0006800 | 0.0074500  | -0.0675000 | 0.0246500  | -0.0414500 | -0.0061500 | 0.0600000  |
| -0.0070000 | 0.0164000  | -0.0590000 | 0.0162500  | -0.0325000 | -0.0014050 | 0.0545000  |
| -0.0133000 | 0.0253500  | -0.0505000 | 0.0078500  | -0.0235000 | 0.0033350  | 0.0494000  |
| -0.0074000 | 0.0343000  | -0.0418500 | -0.0005450 | -0.0145500 | 0.0080500  | 0.0441500  |
| -0.0015150 | 0.0432500  | -0.0333000 | -0.0089500 | -0.0056000 | 0.0128000  | 0.0389500  |
| 0.0043850  | 0.0520000  | -0.0248000 | -0.0173500 | 0.0033900  | 0.0175500  | 0.0337500  |
| 0.0103000  | 0.0610000  | -0.0162500 | -0.0257500 | 0.0123500  | 0.0223000  | 0.0285500  |
| 0.0162000  | 0.0700000  | -0.0170500 | -0.0341500 | 0.0213500  | 0.0150000  | 0.0233000  |
| 0.0221000  | 0.0790000  | -0.0179000 | -0.0425000 | 0.0303000  | 0.0077000  | 0.0181000  |
| 0.0280000  | 0.0715000  | -0.0187000 | -0.0378500 | 0.0250500  | 0.0004145  | 0.0129000  |

Table C (Continued)

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 0.0076500  | 0.0444000  | 0.0014850  | 0.0260000  | -0.0354500 | -0.0488000 | -0.0125000 |
| 0.0024500  | 0.0406000  | -0.0013150 | 0.0208000  | -0.0416500 | -0.0423500 | -0.0058000 |
| -0.0027650 | 0.0368000  | -0.0041200 | 0.0156000  | -0.0478000 | -0.0358500 | 0.0009100  |
| -0.0080000 | 0.0380500  | -0.0009250 | 0.0103500  | -0.0540000 | -0.0293500 | 0.0076000  |
| -0.0132000 | 0.0393000  | 0.0022700  | 0.0051500  | -0.0600000 | -0.0229000 | 0.0143000  |
| -0.0184000 | 0.0405500  | 0.0054500  | -0.0000540 | -0.0505000 | -0.0164000 | 0.0210000  |
| -0.0236500 | 0.0418000  | 0.0086500  | -0.0052500 | -0.0408000 | -0.0099500 | 0.0277000  |
| -0.0288500 | 0.0430500  | 0.0118500  | -0.0104500 | -0.0311000 | -0.0034650 | 0.0344000  |
| -0.0340500 | 0.0443500  | 0.0150500  | -0.0157000 | -0.0214000 | 0.0030100  | 0.0411000  |
| -0.0392500 | 0.0374000  | 0.0182500  | -0.0209000 | -0.0117000 | 0.0095000  | 0.0248500  |
| -0.0445000 | 0.0304500  | 0.0214500  | -0.0261000 | -0.0019950 | 0.0159500  | 0.0086000  |
| -0.0497000 | 0.0235000  | 0.0160500  | -0.0126000 | 0.0077000  | 0.0101000  | -0.0076500 |
| -0.0550000 | 0.0165500  | 0.0106000  | 0.0009100  | 0.0174000  | 0.0042150  | -0.0239000 |
| -0.0555000 | 0.0096500  | 0.0052000  | 0.0144500  | 0.0271000  | -0.0016650 | -0.0170500 |
| -0.0565000 | 0.0026950  | -0.0002060 | 0.0279500  | 0.0368000  | -0.0075500 | -0.0101500 |
| -0.0575000 | -0.0042500 | -0.0056000 | 0.0188500  | 0.0465000  | -0.0134000 | -0.0033150 |
| -0.0580000 | -0.0112000 | -0.0110500 | 0.0097500  | 0.0560000  | -0.0193000 | 0.0035400  |
| -0.0590000 | -0.0189500 | -0.0164500 | 0.0006350  | 0.0471500  | -0.0251500 | 0.0104000  |
| -0.0595000 | -0.0267000 | -0.0218500 | -0.0084500 | 0.0381000  | -0.0310500 | 0.0172500  |
| -0.0605000 | -0.0232500 | -0.0198500 | -0.0175500 | 0.0290500  | -0.0236500 | 0.0073500  |
| -0.0615000 | -0.0197500 | -0.0178500 | -0.0266500 | 0.0200000  | -0.0163000 | -0.0025900 |
| -0.0710000 | -0.0163000 | -0.0158500 | -0.0163000 | 0.0109500  | -0.0089000 | -0.0125000 |
| -0.0810000 | -0.0128500 | -0.0138500 | -0.0059000 | 0.0019000  | -0.0015450 | -0.0224500 |
| -0.0910000 | -0.0093500 | -0.0118000 | 0.0044800  | 0.0016450  | 0.0058500  | -0.0323500 |
| -0.1005000 | -0.0059000 | -0.0098000 | 0.0148500  | 0.0013950  | 0.0132000  | -0.0422500 |
| -0.0890000 | -0.0079000 | -0.0078000 | 0.0252500  | 0.0011450  | 0.0095500  | -0.0382000 |
| -0.0770000 | -0.0099500 | -0.0058000 | 0.0356500  | 0.0008950  | 0.0058500  | -0.0341500 |
| -0.0655000 | -0.0120000 | -0.0089000 | 0.0460000  | -0.0130500 | 0.0021950  | -0.0301000 |
| -0.0535000 | -0.0140000 | -0.0120000 | 0.0565000  | -0.0270500 | -0.0014700 | -0.0260000 |
| -0.0418000 | -0.0223000 | -0.0151000 | 0.0459500  | -0.0019150 | 0.0000860  | -0.0219500 |
| -0.0300500 | -0.0306000 | -0.0182000 | 0.0355000  | 0.0232000  | 0.0016450  | -0.0179000 |
| -0.0183000 | -0.0239500 | -0.0213000 | 0.0250500  | 0.0244000  | 0.0032000  | -0.0138000 |
| -0.0065500 | -0.0173000 | -0.0243500 | 0.0146000  | 0.0256000  | 0.0047600  | -0.0097500 |
| 0.0052000  | -0.0106000 | -0.0266000 | 0.0041350  | 0.0268500  | 0.0063000  | -0.0057000 |
| 0.0169500  | -0.0039500 | -0.0288500 | -0.0063000 | 0.0280500  | 0.0078500  | -0.0016300 |
| 0.0287000  | -0.0141000 | -0.0311000 | -0.0001865 | 0.0292500  | 0.0094500  | 0.0024350  |
| 0.0404500  | -0.0242500 | -0.0333500 | 0.0059500  | 0.0304500  | 0.0110000  | 0.0065000  |
| 0.0388000  | -0.0210500 | -0.0355500 | 0.0120500  | 0.0316500  | 0.0158500  | 0.0105500  |
| 0.0371500  | -0.0178500 | -0.0378000 | 0.0182000  | 0.0328500  | 0.0206500  | 0.0146500  |
| 0.0355000  | -0.0146500 | -0.0400500 | 0.0177500  | 0.0340500  | 0.0255000  | 0.0100000  |
| 0.0338500  | -0.0114500 | -0.0423000 | 0.0172500  | 0.0352500  | 0.0303500  | 0.0054000  |
| 0.0322500  | -0.0140000 | -0.0445000 | 0.0168000  | 0.0242500  | 0.0352000  | 0.0007850  |
| 0.0306000  | -0.0165000 | -0.0467500 | 0.0163000  | 0.0132500  | 0.0400500  | -0.0038300 |
| 0.0367000  | -0.0128500 | -0.0387500 | 0.0127000  | 0.0022700  | 0.0285500  | -0.0084500 |
| 0.0428500  | -0.0092000 | -0.0308000 | 0.0091000  | -0.0087500 | 0.0170500  | -0.0130500 |
| 0.0490000  | -0.0055500 | -0.0228000 | 0.0055000  | -0.0197000 | 0.0055500  | -0.0079000 |
| 0.0550000  | -0.0019100 | -0.0148000 | 0.0018800  | -0.0307000 | -0.0059500 | -0.0027600 |
| 0.0610000  | 0.0017450  | -0.0068000 | 0.0017800  | -0.0417000 | -0.0062000 | 0.0023850  |
| 0.0675000  | 0.0054000  | 0.0011700  | 0.0016800  | -0.0525000 | -0.0064000 | 0.0075500  |
| 0.0635000  | 0.0090500  | 0.0091500  | -0.0045100 | -0.0635000 | -0.0066500 | 0.0127000  |
| 0.0595000  | 0.0127000  | 0.0171500  | -0.0107000 | -0.0745000 | -0.0069000 | 0.0178500  |
| 0.0560000  | 0.0099000  | 0.0193500  | -0.0169000 | -0.0680000 | -0.0164000 | 0.0230000  |
| 0.0520000  | 0.0071000  | 0.0216000  | -0.0230500 | -0.0620000 | -0.0258500 | 0.0281500  |
| 0.0482500  | 0.0042900  | 0.0238000  | -0.0292500 | -0.0555000 | -0.0191500 | 0.0218000  |

Table C (Continued)

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 0.0155000  | 0.0091500  | -0.0049500 | 0.0082500  | 0.0177000  | -0.0091000 | -0.0172500 |
| 0.0092000  | 0.0044850  | -0.0059000 | 0.0089000  | 0.0166000  | -0.0063500 | -0.0189500 |
| 0.0028650  | -0.0002010 | -0.0068500 | 0.0095500  | 0.0155500  | -0.0036150 | -0.0206500 |
| -0.0034550 | -0.0048900 | 0.0002405  | 0.0102000  | 0.0092500  | -0.0008700 | -0.0223000 |
| -0.0097500 | -0.0095500 | 0.0073000  | 0.0108500  | 0.0030100  | 0.0018800  | -0.0240000 |
| -0.0054000 | -0.0058500 | 0.0144000  | 0.0115000  | -0.0032450 | 0.0046250  | -0.0207000 |
| -0.0009850 | -0.0020950 | 0.0214500  | 0.0122000  | -0.0095000 | 0.0073500  | -0.0174500 |
| 0.0034050  | 0.0016450  | 0.0192000  | 0.0105500  | -0.0157500 | 0.0101000  | -0.0142000 |
| 0.0078000  | 0.0054000  | 0.0170000  | 0.0088500  | -0.0220000 | 0.0128500  | -0.0109500 |
| 0.0013850  | 0.0091500  | 0.0136500  | 0.0039400  | -0.0282500 | 0.0089000  | -0.0076500 |
| -0.0050000 | 0.0128500  | 0.0103000  | -0.0009900 | -0.0345500 | 0.0049850  | -0.0044100 |
| -0.0114500 | 0.0166000  | 0.0069500  | -0.0059000 | -0.0408000 | 0.0010450  | -0.0011500 |
| -0.0178500 | 0.0203500  | 0.0035950  | -0.0108500 | -0.0470500 | -0.0028950 | 0.0021150  |
| -0.0242500 | 0.0146500  | 0.0002475  | -0.0061000 | -0.0425000 | -0.0068500 | 0.0054000  |
| -0.0306500 | 0.0089500  | -0.0031000 | -0.0013650 | -0.0380000 | -0.0107500 | 0.0086500  |
| -0.0270500 | 0.0032250  | -0.0064500 | 0.0033800  | -0.0334500 | -0.0057000 | 0.0060500  |
| -0.0234500 | -0.0024800 | -0.0098000 | 0.0081000  | -0.0289500 | -0.0005950 | 0.0035000  |
| -0.0198500 | -0.0033850 | -0.0030150 | 0.0128500  | -0.0244000 | 0.0044950  | 0.0009300  |
| -0.0162500 | -0.0042850 | 0.0037600  | 0.0176000  | -0.0199000 | 0.0096000  | -0.0016400 |
| -0.0202500 | -0.0113000 | 0.0105500  | 0.0223500  | -0.0153500 | 0.0146500  | -0.0042100 |
| -0.0242500 | -0.0183000 | 0.0173000  | 0.0271000  | -0.0108000 | 0.0197500  | -0.0068000 |
| -0.0282500 | -0.0252500 | 0.0170000  | 0.0318500  | -0.0063000 | 0.0168000  | -0.0001690 |
| -0.0322500 | -0.0322500 | 0.0167000  | 0.0366000  | -0.0017600 | 0.0138500  | 0.0064500  |
| -0.0362000 | -0.0225000 | 0.0164000  | 0.0335000  | 0.0027650  | 0.0109000  | 0.0130500  |
| -0.0402000 | -0.0127500 | 0.0161000  | 0.0304500  | 0.0073000  | 0.0079500  | 0.0196500  |
| -0.0323000 | -0.0029900 | 0.0158000  | 0.0273500  | 0.0061000  | 0.0050500  | 0.0263000  |
| -0.0244500 | 0.0067500  | 0.0155000  | 0.0242500  | 0.0049300  | 0.0020800  | 0.0329000  |
| -0.0165500 | 0.0165500  | 0.0136500  | 0.0212000  | 0.0037450  | 0.0015200  | 0.0282500  |
| -0.0086500 | 0.0263000  | 0.0118000  | 0.0181000  | 0.0025650  | 0.0009600  | 0.0236500  |
| -0.0007350 | 0.0360500  | 0.0099000  | 0.0087000  | 0.0013850  | 0.0004045  | 0.0190000  |
| 0.0071500  | 0.0458000  | 0.0080500  | -0.0007100 | 0.0002010  | -0.0001520 | 0.0144000  |
| 0.0150500  | 0.0373500  | 0.0064500  | 0.0109000  | -0.0009800 | -0.0007100 | 0.0097500  |
| 0.0229500  | 0.0288500  | 0.0048150  | 0.0225500  | -0.0021650 | -0.0012650 | 0.0051000  |
| 0.0308500  | 0.0204000  | 0.0032000  | 0.0213000  | -0.0033450 | -0.0018250 | 0.0004855  |
| 0.0387500  | 0.0119000  | 0.0015800  | 0.0200000  | -0.0045250 | -0.0023850 | -0.0041450 |
| 0.0310000  | 0.0034400  | -0.0000417 | 0.0187500  | -0.0052000 | -0.0029400 | -0.0088000 |
| 0.0233000  | -0.0050500 | -0.0016650 | 0.0174500  | -0.0058500 | -0.0034950 | -0.0134000 |
| 0.0155500  | -0.0135000 | 0.0045700  | 0.0161500  | -0.0066500 | -0.0040550 | -0.0180500 |
| 0.0078500  | -0.0219500 | 0.0108000  | 0.0149000  | -0.0074500 | -0.0046150 | -0.0226500 |
| 0.0001225  | -0.0136500 | 0.0006400  | 0.0163500  | -0.0083000 | -0.0051500 | -0.0190500 |
| -0.0076000 | -0.0053000 | -0.0095000 | 0.0178000  | -0.0091000 | -0.0057500 | -0.0155000 |
| -0.0040500 | -0.0072500 | -0.0197000 | 0.0192500  | -0.0099000 | -0.0063000 | -0.0119000 |
| -0.0005000 | -0.0091500 | -0.0298500 | 0.0206500  | -0.0107500 | -0.0068500 | -0.0083000 |
| 0.0030550  | -0.0111000 | -0.0400000 | 0.0221000  | -0.0078000 | -0.0077000 | -0.0046850 |
| 0.0066000  | -0.0130000 | -0.0500000 | 0.0235500  | -0.0048200 | -0.0086000 | -0.0010900 |
| 0.0101500  | -0.0149500 | -0.0443500 | 0.0250000  | -0.0018600 | -0.0094500 | 0.0025050  |
| 0.0137000  | -0.0169000 | -0.0385000 | 0.0264500  | 0.0011000  | -0.0103000 | 0.0061000  |
| 0.0172500  | -0.0146000 | -0.0326500 | 0.0253500  | 0.0040600  | -0.0112000 | 0.0096500  |
| 0.0208000  | -0.0123000 | -0.0268000 | 0.0242500  | 0.0070000  | -0.0120500 | 0.0131500  |
| 0.0243500  | -0.0099500 | -0.0209500 | 0.0231500  | 0.0043300  | -0.0129500 | 0.0167000  |
| 0.0279000  | -0.0076500 | -0.0151500 | 0.0221000  | 0.0016450  | -0.0138000 | 0.0202000  |
| 0.0232500  | -0.0053500 | -0.0093000 | 0.0210000  | -0.0010400 | -0.0146500 | 0.0237500  |
| 0.0185500  | -0.0030700 | -0.0034500 | 0.0199000  | -0.0037300 | -0.0155500 | 0.0272500  |
| 0.0138500  | -0.0040100 | 0.0023900  | 0.0188000  | -0.0064000 | -0.0164000 | 0.0216000  |

Table C (Continued)

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 0.0159500  | 0.0051500  | -0.0106500 | 0.0120500  | 0.0015350  | 0.0147500  | -0.0052500 |
| 0.0103000  | -0.0011950 | -0.0154500 | 0.0063500  | -0.0026800 | 0.0171500  | -0.0109000 |
| 0.0046400  | -0.0075500 | -0.0203000 | 0.0006500  | -0.0069000 | 0.0195500  | -0.0165500 |
| -0.0010150 | -0.0138500 | -0.0251000 | -0.0050500 | -0.0111000 | 0.0183000  | -0.0222500 |
| -0.0066500 | -0.0202000 | -0.0299000 | -0.0107500 | -0.0153000 | 0.0170500  | -0.0279000 |
| -0.0068500 | -0.0265500 | -0.0347000 | -0.0164500 | -0.0195500 | 0.0158000  | -0.0250000 |
| -0.0070000 | -0.0328500 | -0.0395000 | -0.0221500 | -0.0237500 | 0.0145500  | -0.0221000 |
| -0.0072000 | -0.0292000 | -0.0369000 | -0.0278500 | -0.0279500 | 0.0133000  | -0.0192000 |
| -0.0074000 | -0.0255500 | -0.0343000 | -0.0335500 | -0.0322000 | 0.0120500  | -0.0162500 |
| -0.0075500 | -0.0219000 | -0.0317000 | -0.0289500 | -0.0287000 | 0.0135500  | -0.0133500 |
| -0.0077500 | -0.0182000 | -0.0291000 | -0.0244000 | -0.0251500 | 0.0151000  | -0.0104500 |
| -0.0142000 | -0.0145500 | -0.0265000 | -0.0198500 | -0.0216500 | 0.0166000  | -0.0075500 |
| -0.0206500 | -0.0109000 | -0.0239000 | -0.0153000 | -0.0181500 | 0.0181000  | -0.0046400 |
| -0.0169000 | -0.0072500 | -0.0212500 | -0.0107500 | -0.0146500 | 0.0196500  | -0.0017350 |
| -0.0131500 | -0.0035800 | -0.0186500 | -0.0062000 | -0.0111500 | 0.0211500  | 0.0011700  |
| -0.0094500 | 0.0000785  | -0.0156000 | -0.0016350 | -0.0076500 | 0.0226500  | 0.0000760  |
| -0.0057000 | 0.0037400  | -0.0125500 | 0.0029250  | -0.0041350 | 0.0242000  | -0.0010200 |
| -0.0019550 | 0.0074000  | -0.0095000 | 0.0075000  | -0.0006300 | 0.0257000  | -0.0021150 |
| 0.0017800  | 0.0110500  | -0.0064500 | 0.0120500  | 0.0028800  | 0.0272000  | -0.0032100 |
| 0.0055000  | 0.0147000  | -0.0033650 | 0.0166000  | 0.0064000  | 0.0287500  | -0.0043050 |
| 0.0092500  | 0.0184000  | -0.0003090 | 0.0211500  | 0.0099000  | 0.0302500  | -0.0054000 |
| 0.0130000  | 0.0190000  | 0.0027500  | 0.0257000  | 0.0115500  | 0.0138500  | -0.0065000 |
| 0.0167500  | 0.0196000  | 0.0058000  | 0.0302500  | 0.0132500  | -0.0025800 | -0.0076000 |
| 0.0160000  | 0.0202500  | 0.0088500  | 0.0348000  | 0.0149000  | -0.0190000 | -0.0067500 |
| 0.0153000  | 0.0209000  | 0.0119500  | 0.0393500  | 0.0165500  | -0.0354000 | -0.0059000 |
| 0.0145500  | 0.0215000  | 0.0150000  | 0.0439500  | 0.0182500  | -0.0332500 | -0.0050500 |
| 0.0138500  | 0.0221000  | 0.0180500  | 0.0485000  | 0.0199000  | -0.0311000 | -0.0041750 |
| 0.0140500  | 0.0227000  | 0.0211000  | 0.0400500  | 0.0216000  | -0.0289000 | -0.0033200 |
| 0.0143000  | 0.0233500  | 0.0241500  | 0.0316500  | 0.0232500  | -0.0267500 | -0.0024650 |
| 0.0145500  | 0.0239500  | 0.0194000  | 0.0232500  | 0.0249500  | -0.0245500 | -0.0016100 |
| 0.0148000  | 0.0245500  | 0.0146000  | 0.0148000  | 0.0266000  | -0.0224000 | -0.0007550 |
| 0.0150500  | 0.0234500  | 0.0098000  | 0.0064000  | 0.0219500  | -0.0202500 | 0.0001005  |
| 0.0152500  | 0.0223000  | 0.0050000  | -0.0020300 | 0.0173500  | -0.0180500 | 0.0009550  |
| 0.0086000  | 0.0211500  | 0.0002185  | -0.0104500 | 0.0127000  | -0.0180500 | 0.0006050  |
| 0.0019050  | 0.0200000  | -0.0045700 | -0.0188500 | 0.0081000  | -0.0180500 | 0.0002500  |
| -0.0047800 | 0.0170500  | -0.0093500 | -0.0273000 | 0.0080000  | -0.0180500 | -0.0001005 |
| -0.0114500 | 0.0141000  | -0.0141500 | -0.0357000 | 0.0079500  | -0.0180500 | -0.0004515 |
| -0.0181500 | 0.0111500  | -0.0189500 | -0.0325500 | 0.0079000  | -0.0180000 | 0.0025600  |
| -0.0248500 | 0.0082000  | -0.0237500 | -0.0294500 | 0.0078500  | -0.0180000 | 0.0055500  |
| -0.0218000 | 0.0052500  | -0.0285000 | -0.0263000 | 0.0078000  | -0.0133500 | 0.0086000  |
| -0.0187500 | 0.0022900  | -0.0333000 | -0.0231500 | 0.0077000  | -0.0086500 | 0.0116000  |
| -0.0157000 | -0.0006650 | -0.0286000 | -0.0200000 | 0.0057000  | -0.0039800 | 0.0146000  |
| -0.0126500 | -0.0036200 | -0.0238500 | -0.0168500 | 0.0036650  | 0.0007000  | 0.0176000  |
| -0.0096000 | -0.0020950 | -0.0191000 | -0.0163500 | 0.0016350  | 0.0054000  | 0.0206000  |
| -0.0065500 | -0.0005700 | -0.0144000 | -0.0158500 | -0.0003925 | 0.0100500  | 0.0236500  |
| -0.0035100 | 0.0009550  | -0.0096500 | -0.0153500 | -0.0024200 | 0.0147500  | 0.0266500  |
| -0.0004660 | 0.0024800  | -0.0049350 | -0.0148500 | -0.0044500 | 0.0194000  | 0.0296500  |
| 0.0025800  | 0.0040050  | -0.0002060 | -0.0143500 | -0.0020500 | 0.0241000  | 0.0326500  |
| 0.0056000  | 0.0055500  | 0.0045200  | -0.0138500 | 0.0003530  | 0.0287500  | 0.0356500  |
| 0.0086500  | 0.0070500  | 0.0092500  | -0.0079000 | 0.0027550  | 0.0231000  | 0.0248000  |
| 0.0117000  | 0.0086000  | 0.0140000  | -0.0019400 | 0.0051500  | 0.0174500  | 0.0139500  |
| 0.0147500  | 0.0037750  | 0.0187000  | 0.0040100  | 0.0075500  | 0.0117500  | 0.0031100  |
| 0.0178000  | -0.0010350 | 0.0234500  | 0.0099500  | 0.0099500  | 0.0061000  | -0.0077500 |
| 0.0114500  | -0.0058500 | 0.0177500  | 0.0057500  | 0.0123500  | 0.0004390  | -0.0186000 |

Table C (Continued)

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| -0.0294500 | -0.0062000 | -0.0122500 | 0.0107000  | 0.0224500  | 0.0397000  | 0.0139000  |
| -0.0271500 | -0.0059500 | -0.0162000 | 0.0195500  | 0.0247000  | 0.0193500  | 0.0200000  |
| -0.0248500 | -0.0057500 | -0.0201000 | 0.0284000  | 0.0270000  | -0.0009400 | 0.0261000  |
| -0.0225500 | -0.0032850 | -0.0240500 | 0.0372500  | 0.0293000  | -0.0212500 | 0.0119000  |
| -0.0203000 | -0.0008300 | -0.0279500 | 0.0461000  | 0.0316000  | -0.0415500 | -0.0023000 |
| -0.0180000 | 0.0016300  | -0.0211500 | 0.0550000  | 0.0338500  | -0.0380500 | -0.0165000 |
| -0.0157000 | 0.0040850  | -0.0143000 | 0.0640000  | 0.0361500  | -0.0345000 | -0.0307000 |
| -0.0155500 | 0.0065500  | -0.0075000 | 0.0407500  | 0.0384500  | -0.0309500 | -0.0449000 |
| -0.0154000 | 0.0090000  | -0.0006700 | 0.0177000  | 0.0407500  | -0.0274000 | -0.0590000 |
| -0.0152000 | 0.0114500  | 0.0061500  | -0.0053500 | 0.0292000  | -0.0239000 | -0.0540000 |
| -0.0150500 | 0.0139000  | 0.0129500  | -0.0284000 | 0.0177000  | -0.0203500 | -0.0488500 |
| -0.0149000 | 0.0163500  | 0.0198000  | -0.0259500 | 0.0061500  | -0.0231500 | -0.0437500 |
| -0.0147500 | 0.0188000  | 0.0266000  | -0.0235500 | -0.0053500 | -0.0260000 | -0.0386000 |
| -0.0119500 | 0.0212500  | 0.0221000  | -0.0211500 | -0.0169000 | -0.0288000 | -0.0335000 |
| -0.0091500 | 0.0237500  | 0.0176000  | -0.0187000 | -0.0284000 | -0.0316000 | -0.0283500 |
| -0.0063500 | 0.0210500  | 0.0131000  | -0.0163000 | -0.0257000 | -0.0344000 | -0.0232500 |
| -0.0035250 | 0.0184000  | 0.0085500  | -0.0139000 | -0.0230500 | -0.0372500 | -0.0181500 |
| -0.0007200 | 0.0157000  | 0.0040450  | -0.0114500 | -0.0203500 | -0.0400500 | -0.0130000 |
| 0.0020850  | 0.0130500  | -0.0004710 | -0.0090500 | -0.0176500 | -0.0428500 | -0.0079000 |
| 0.0048950  | 0.0104000  | -0.0049850 | -0.0066500 | -0.0150000 | -0.0456500 | -0.0027650 |
| 0.0077000  | 0.0077000  | -0.0095000 | -0.0042250 | -0.0123000 | -0.0485000 | 0.0023550  |
| 0.0105000  | 0.0050500  | -0.0140000 | -0.0110500 | -0.0096000 | -0.0409000 | 0.0075000  |
| 0.0133000  | 0.0023650  | -0.0185500 | -0.0179000 | -0.0069500 | -0.0333500 | 0.0126000  |
| 0.0161000  | -0.0003065 | -0.0148500 | -0.0247500 | -0.0122000 | -0.0257500 | 0.0177000  |
| 0.0189000  | -0.0029750 | -0.0112000 | -0.0316000 | -0.0174500 | -0.0182000 | 0.0228500  |
| 0.0167500  | -0.0056500 | -0.0075000 | -0.0309500 | -0.0227500 | -0.0106500 | 0.0279500  |
| 0.0146000  | -0.0083000 | -0.0038450 | -0.0302500 | -0.0280000 | -0.0030550 | 0.0331000  |
| 0.0124500  | -0.0060500 | -0.0001740 | -0.0296000 | -0.0332500 | 0.0045150  | 0.0382000  |
| 0.0102500  | -0.0038250 | 0.0034950  | -0.0289000 | -0.0385500 | 0.0121000  | 0.0433000  |
| 0.0108500  | -0.0015800 | 0.0071500  | -0.0282500 | -0.0347000 | 0.0196500  | 0.0484500  |
| 0.0114500  | 0.0006650  | 0.0108500  | -0.0275500 | -0.0309000 | 0.0272500  | 0.0535000  |
| 0.0120500  | 0.0029150  | 0.0145000  | -0.0286500 | -0.0271000 | 0.0348000  | 0.0585000  |
| 0.0126500  | 0.0051500  | 0.0182000  | -0.0298000 | -0.0233000 | 0.0424000  | 0.0640000  |
| 0.0132500  | 0.0074000  | 0.0218500  | -0.0309000 | -0.0195000 | 0.0499500  | 0.0590000  |
| 0.0138500  | 0.0096500  | 0.0255500  | -0.0320000 | -0.0157000 | 0.0575000  | 0.0540000  |
| 0.0144000  | 0.0119000  | 0.0292000  | -0.0273500 | -0.0119000 | 0.0650000  | 0.0490000  |
| 0.0150000  | 0.0141500  | 0.0328500  | -0.0227000 | -0.0081000 | 0.0725000  | 0.0440500  |
| 0.0156000  | 0.0058500  | 0.0365500  | -0.0180500 | -0.0043000 | 0.0575000  | 0.0391000  |
| 0.0162000  | -0.0024700 | 0.0402000  | -0.0134000 | -0.0005000 | 0.0427500  | 0.0342000  |
| 0.0114500  | -0.0108000 | 0.0276500  | -0.0087000 | 0.0020100  | 0.0278000  | 0.0292500  |
| 0.0067000  | -0.0191000 | 0.0151500  | -0.0040650 | 0.0045200  | 0.0128500  | 0.0243000  |
| 0.0019850  | -0.0153000 | 0.0025950  | 0.0005950  | 0.0070500  | -0.0021350 | 0.0220000  |
| -0.0027500 | -0.0115000 | -0.0099500 | 0.0052500  | 0.0095500  | -0.0171000 | 0.0196500  |
| -0.0075000 | -0.0077000 | -0.0225000 | 0.0099000  | 0.0120500  | -0.0320500 | 0.0173000  |
| -0.0122500 | -0.0038800 | -0.0350000 | 0.0145500  | 0.0145500  | -0.0470000 | 0.0150000  |
| -0.0115500 | -0.0000785 | -0.0475500 | 0.0150000  | 0.0171000  | -0.0409000 | 0.0126500  |
| -0.0108500 | 0.0037250  | -0.0600000 | 0.0154000  | 0.0196000  | -0.0348500 | 0.0103500  |
| -0.0101500 | 0.0075500  | -0.0515000 | 0.0158000  | 0.0221000  | -0.0287500 | 0.0080000  |
| -0.0094500 | 0.0113500  | -0.0424000 | 0.0162000  | 0.0246000  | -0.0226500 | 0.0057000  |
| -0.0087500 | 0.0074000  | -0.0335500 | 0.0166500  | 0.0271000  | -0.0165500 | 0.0047550  |
| -0.0080500 | 0.0034700  | -0.0247000 | 0.0170500  | 0.0296500  | -0.0104500 | 0.0038250  |
| -0.0073500 | -0.0004610 | -0.0158500 | 0.0174500  | 0.0321500  | -0.0043650 | 0.0029000  |
| -0.0066500 | -0.0043900 | -0.0070000 | 0.0178500  | 0.0346500  | 0.0017300  | 0.0019700  |
| -0.0064000 | -0.0083000 | 0.0018550  | 0.0201500  | 0.0371500  | 0.0078000  | 0.0010450  |



Table C (Continued)

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 0.0001175  | -0.0154500 | -0.0006200 | -0.0192000 | 0.0156000  | -0.0167500 | -0.0022700 |
| -0.0008100 | -0.0133000 | 0.0012750  | -0.0156000 | 0.0179500  | -0.0099000 | -0.0022550 |
| -0.0017350 | -0.0111500 | 0.0031650  | -0.0120000 | 0.0202500  | -0.0030800 | -0.0022350 |
| -0.0026650 | -0.0090000 | 0.0050500  | -0.0084000 | 0.0167500  | -0.0030650 | -0.0022200 |
| -0.0035900 | -0.0068500 | 0.0069500  | -0.0047750 | 0.0133000  | -0.0030450 | -0.0022050 |
| -0.0045200 | -0.0047250 | 0.0085000  | -0.0011700 | 0.0098000  | -0.0030300 | -0.0021950 |
| -0.0054500 | -0.0025800 | 0.0100000  | 0.0024350  | 0.0063000  | -0.0030150 | -0.0021800 |
| -0.0046350 | -0.0004315 | 0.0115500  | 0.0060500  | 0.0028300  | -0.0030000 | -0.0021600 |
| -0.0038250 | 0.0017150  | 0.0130500  | 0.0096500  | -0.0006550 | -0.0029850 | -0.0021450 |
| -0.0030150 | 0.0038650  | 0.0146000  | 0.0132500  | -0.0041400 | -0.0029700 | -0.0021300 |
| -0.0022050 | 0.0060000  | 0.0161000  | 0.0168500  | -0.0076000 | -0.0029550 | -0.0021150 |
| -0.0014000 | 0.0081500  | 0.0176500  | 0.0134500  | -0.0111000 | -0.0029400 | -0.0021000 |
| -0.0005900 | 0.0103000  | 0.0191500  | 0.0100500  | -0.0146000 | -0.0029250 | -0.0020850 |
| 0.0002205  | 0.0087000  | 0.0207000  | 0.0067000  | -0.0180500 | -0.0029100 | -0.0020650 |
| 0.0010300  | 0.0070500  | 0.0222000  | 0.0033050  | -0.0215500 | -0.0028950 | -0.0020500 |
| 0.0018400  | 0.0054000  | 0.0200500  | -0.0000785 | -0.0196500 | -0.0028750 | -0.0020350 |
| 0.0026500  | 0.0037900  | 0.0178500  | -0.0034650 | -0.0177000 | -0.0028600 | -0.0020200 |
| -0.0007150 | 0.0021650  | 0.0156500  | -0.0068500 | -0.0158000 | -0.0028450 | -0.0020050 |
| -0.0040750 | 0.0005400  | 0.0135000  | -0.0102500 | -0.0138500 | -0.0028300 | -0.0019900 |
| -0.0074500 | 0.0022900  | 0.0113000  | -0.0136000 | -0.0119500 | -0.0028150 | -0.0019750 |
| -0.0108000 | 0.0040350  | 0.0091500  | -0.0170000 | -0.0100500 | -0.0028000 | -0.0019550 |
| -0.0141500 | 0.0058000  | 0.0069500  | -0.0150500 | -0.0081000 | -0.0027850 | -0.0019400 |
| -0.0175500 | 0.0075500  | 0.0047750  | -0.0130500 | -0.0062000 | -0.0027650 | -0.0019300 |
| -0.0209000 | 0.0093000  | 0.0026000  | -0.0111000 | -0.0042600 | -0.0027500 | -0.0019150 |
| -0.0242500 | 0.0110500  | 0.0004220  | -0.0091000 | -0.0023350 | -0.0027350 | -0.0019000 |
| -0.0276500 | 0.0097000  | -0.0030600 | -0.0071500 | -0.0004145 | -0.0027200 | -0.0018800 |
| -0.0310000 | 0.0084000  | -0.0065500 | -0.0052000 | 0.0015050  | -0.0027100 | -0.0018650 |
| -0.0278500 | 0.0071000  | -0.0100000 | -0.0032150 | 0.0034300  | -0.0026900 | -0.0018500 |
| -0.0247500 | 0.0057500  | -0.0135000 | -0.0012450 | 0.0053500  | -0.0026750 | -0.0018350 |
| -0.0216500 | 0.0044450  | -0.0170000 | -0.0007750 | 0.0051000  | -0.0026600 | -0.0018200 |
| -0.0185000 | 0.0031250  | -0.0204500 | -0.0003090 | 0.0048250  | -0.0026450 | -0.0018050 |
| -0.0154000 | 0.0049350  | -0.0171500 | 0.0001595  | 0.0045600  | -0.0026250 | -0.0017900 |
| -0.0122500 | 0.0067500  | -0.0138000 | 0.0006300  | 0.0042950  | -0.0026100 | -0.0017700 |
| -0.0091500 | 0.0085500  | -0.0104500 | 0.0010950  | 0.0040300  | -0.0025950 | -0.0017550 |
| -0.0060000 | 0.0103500  | -0.0071500 | 0.0015650  | 0.0037650  | -0.0025800 | -0.0017400 |
| -0.0028950 | 0.0122000  | -0.0037950 | 0.0020350  | 0.0035050  | -0.0025650 | -0.0017250 |
| 0.0002255  | 0.0140000  | -0.0004610 | 0.0025000  | 0.0032400  | -0.0025500 | -0.0017100 |
| 0.0012950  | 0.0158000  | 0.0028700  | 0.0037000  | 0.0046450  | -0.0025350 | -0.0016950 |
| 0.0023650  | 0.0176000  | 0.0062000  | 0.0049000  | 0.0060500  | -0.0025150 | -0.0016800 |
| 0.0034350  | 0.0194000  | 0.0095500  | 0.0061000  | 0.0074500  | -0.0025000 | -0.0016650 |
| 0.0045100  | 0.0212500  | 0.0128500  | 0.0073000  | 0.0088500  | -0.0024850 | -0.0016500 |
| 0.0056000  | 0.0191000  | 0.0106000  | 0.0056000  | 0.0102500  | -0.0024700 | -0.0016350 |
| 0.0066500  | 0.0169500  | 0.0083000  | 0.0038800  | 0.0116500  | -0.0024550 | -0.0016200 |
| 0.0077000  | 0.0148500  | 0.0060000  | 0.0021700  | 0.0131000  | -0.0024400 | -0.0016000 |
| 0.0088000  | 0.0127000  | 0.0037100  | 0.0004560  | 0.0145000  | -0.0024250 | -0.0015850 |
| 0.0098500  | 0.0105500  | 0.0014200  | -0.0012550 | 0.0159000  | -0.0024100 | -0.0015700 |
| 0.0109500  | 0.0084000  | -0.0008700 | -0.0029700 | 0.0173000  | -0.0023950 | -0.0015550 |
| 0.0076500  | 0.0063000  | -0.0031600 | -0.0006450 | 0.0155000  | -0.0023800 | -0.0015400 |
| 0.0043300  | 0.0041400  | -0.0054500 | 0.0016800  | 0.0136500  | -0.0023650 | -0.0015250 |
| 0.0010350  | 0.0020050  | -0.0077500 | 0.0040000  | 0.0118500  | -0.0023450 | -0.0015100 |
| -0.0022650 | -0.0001325 | -0.0100500 | 0.0063000  | 0.0100000  | -0.0023300 | -0.0014900 |
| -0.0055500 | -0.0022700 | -0.0123000 | 0.0086500  | 0.0082000  | -0.0023150 | -0.0014750 |
| -0.0088500 | -0.0044050 | -0.0146000 | 0.0109500  | 0.0064000  | -0.0023000 | -0.0014600 |
| -0.0121500 | -0.0025100 | -0.0169000 | 0.0133000  | -0.0052000 | -0.0022850 | -0.0014450 |

Table C (Continued)

|            |            |
|------------|------------|
| -0.0014300 | -0.0005900 |
| -0.0014150 | -0.0005750 |
| -0.0014000 | -0.0005600 |
| -0.0013850 | -0.0005450 |
| -0.0013700 | -0.0005300 |
| -0.0013550 | -0.0005150 |
| -0.0013400 | -0.0004955 |
| -0.0013200 | -0.0004805 |
| -0.0013050 | -0.0004660 |
| -0.0012900 | -0.0004515 |
| -0.0012750 | -0.0004365 |
| -0.0012600 | -0.0004195 |
| -0.0012450 | -0.0004020 |
| -0.0012300 | -0.0003875 |
| -0.0012100 | -0.0003730 |
| -0.0011950 | -0.0003580 |
| -0.0011800 | -0.0003435 |
| -0.0011650 | -0.0003260 |
| -0.0011550 | -0.0003090 |
| -0.0011350 | -0.0002945 |
| -0.0011200 | -0.0002795 |
| -0.0011050 | -0.0002650 |
| -0.0010900 | -0.0002500 |
| -0.0010750 | -0.0002330 |
| -0.0010600 | -0.0002160 |
| -0.0010400 | -0.0002010 |
| -0.0010250 | -0.0001865 |
| -0.0010100 | -0.0001715 |
| -0.0009950 | -0.0001570 |
| -0.0009800 | -0.0001400 |
| -0.0009650 | -0.0001225 |
| -0.0009500 | -0.0001080 |
| -0.0009300 | -0.0000930 |
| -0.0009150 | -0.0000785 |
| -0.0009050 | -0.0000640 |
| -0.0008900 | -0.0000466 |
| -0.0008750 | -0.0000295 |
| -0.0008550 | -0.0000147 |
| -0.0008400 |            |
| -0.0008250 |            |
| -0.0008100 |            |
| -0.0007900 |            |
| -0.0007750 |            |
| -0.0007600 |            |
| -0.0007450 |            |
| -0.0007300 |            |
| -0.0007150 |            |
| -0.0007000 |            |
| -0.0006800 |            |
| -0.0006650 |            |
| -0.0006500 |            |
| -0.0006400 |            |
| -0.0006250 |            |
| -0.0006050 |            |