

**S-Parameter Narrow**  
**RF1400D 03/09/04**

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# HZ S R I R 50

|            |            |             |             |            |             |
|------------|------------|-------------|-------------|------------|-------------|
| 431420000. | .658264E+0 | -.704956E+0 | .615770E-3  | .505736E-3 | .616935E-3  |
| .485841E-3 | .637421E+0 | -.704041E+0 |             |            |             |
| 431432500. | .657867E+0 | -.705170E+0 | .633382E-3  | .516595E-3 | .634725E-3  |
| .502661E-3 | .636993E+0 | -.704285E+0 |             |            |             |
| 431445000. | .657623E+0 | -.705231E+0 | .650129E-3  | .532028E-3 | .665157E-3  |
| .505368E-3 | .636780E+0 | -.704651E+0 |             |            |             |
| 431457500. | .657440E+0 | -.705811E+0 | .667878E-3  | .548456E-3 | .670060E-3  |
| .524466E-3 | .636536E+0 | -.704712E+0 |             |            |             |
| 431470000. | .657166E+0 | -.705750E+0 | .676569E-3  | .548295E-3 | .678894E-3  |
| .540092E-3 | .636475E+0 | -.704834E+0 |             |            |             |
| 431482600. | .656891E+0 | -.705841E+0 | .679043E-3  | .567344E-3 | .690011E-3  |
| .543122E-3 | .635956E+0 | -.705109E+0 |             |            |             |
| 431495100. | .656586E+0 | -.706146E+0 | .680937E-3  | .571295E-3 | .693951E-3  |
| .552534E-3 | .635803E+0 | -.705322E+0 |             |            |             |
| 431507600. | .656128E+0 | -.706482E+0 | .683628E-3  | .572759E-3 | .694895E-3  |
| .554874E-3 | .635529E+0 | -.705414E+0 |             |            |             |
| 431520100. | .655914E+0 | -.706696E+0 | .689034E-3  | .573501E-3 | .694542E-3  |
| .550187E-3 | .635162E+0 | -.705750E+0 |             |            |             |
| 431532600. | .655670E+0 | -.706573E+0 | .677038E-3  | .583614E-3 | .685879E-3  |
| .552439E-3 | .634888E+0 | -.705750E+0 |             |            |             |
| 431545100. | .655304E+0 | -.707001E+0 | .663124E-3  | .582865E-3 | .661401E-3  |
| .559569E-3 | .634491E+0 | -.706207E+0 |             |            |             |
| 431557600. | .655182E+0 | -.707153E+0 | .643033E-3  | .575348E-3 | .654323E-3  |
| .553237E-3 | .634460E+0 | -.706360E+0 |             |            |             |
| 431570100. | .654785E+0 | -.707428E+0 | .619194E-3  | .569409E-3 | .619750E-3  |
| .552276E-3 | .633942E+0 | -.706268E+0 |             |            |             |
| 431582700. | .654388E+0 | -.707794E+0 | .582836E-3  | .569868E-3 | .593680E-3  |
| .543301E-3 | .633514E+0 | -.706787E+0 |             |            |             |
| 431595200. | .653961E+0 | -.707886E+0 | .538231E-3  | .544914E-3 | .553367E-3  |
| .541239E-3 | .633209E+0 | -.706909E+0 |             |            |             |
| 431607700. | .653534E+0 | -.708160E+0 | .485627E-3  | .550223E-3 | .495269E-3  |
| .542456E-3 | .632935E+0 | -.707092E+0 |             |            |             |
| 431620200. | .653290E+0 | -.708221E+0 | .413931E-3  | .552669E-3 | .429962E-3  |
| .530588E-3 | .632294E+0 | -.707306E+0 |             |            |             |
| 431632700. | .652954E+0 | -.708588E+0 | .333239E-3  | .539125E-3 | .350215E-3  |
| .539243E-3 | .631897E+0 | -.707642E+0 |             |            |             |
| 431645200. | .652496E+0 | -.708832E+0 | .238171E-3  | .547144E-3 | .250407E-3  |
| .547290E-3 | .631409E+0 | -.707581E+0 |             |            |             |
| 431657700. | .652008E+0 | -.709045E+0 | .125014E-3  | .561908E-3 | .138997E-3  |
| .548557E-3 | .630951E+0 | -.707916E+0 |             |            |             |
| 431670200. | .651611E+0 | -.709198E+0 | -.129844E-4 | .584110E-3 | .264363E-5  |
| .570230E-3 | .630676E+0 | -.707977E+0 |             |            |             |
| 431682800. | .651154E+0 | -.709442E+0 | -.178140E-3 | .648701E-3 | -.167692E-3 |
| .632209E-3 | .630005E+0 | -.708313E+0 |             |            |             |
| 431695300. | .650818E+0 | -.709839E+0 | -.373106E-3 | .705302E-3 | -.354697E-3 |
| .708145E-3 | .629517E+0 | -.708374E+0 |             |            |             |
| 431707800. | .650146E+0 | -.709747E+0 | -.587088E-3 | .825684E-3 | -.557989E-3 |
| .832017E-3 | .629150E+0 | -.708527E+0 |             |            |             |
| 431720300. | .649414E+0 | -.709717E+0 | -.809335E-3 | .988374E-3 | -.776658E-3 |
| .100377E-2 | .628510E+0 | -.708496E+0 |             |            |             |
| 431732800. | .648987E+0 | -.709869E+0 | -.104869E-2 | .124460E-2 | -.101739E-2 |
| .125393E-2 | .628052E+0 | -.708740E+0 |             |            |             |

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|------------|------------|-------------|-------------|------------|-------------|
| 431745300. | .648376E+0 | -.709778E+0 | -.124730E-2 | .157115E-2 | -.122273E-2 |
| .159035E-2 | .627411E+0 | -.708405E+0 |             |            |             |
| 431757800. | .647797E+0 | -.709625E+0 | -.141444E-2 | .199705E-2 | -.136308E-2 |
| .200931E-2 | .626984E+0 | -.708313E+0 |             |            |             |
| 431770300. | .647369E+0 | -.709412E+0 | -.148002E-2 | .249697E-2 | -.140663E-2 |
| .251373E-2 | .626404E+0 | -.707947E+0 |             |            |             |
| 431782800. | .647156E+0 | -.709076E+0 | -.138986E-2 | .302623E-2 | -.131979E-2 |
| .303871E-2 | .626465E+0 | -.707489E+0 |             |            |             |
| 431795400. | .646912E+0 | -.708710E+0 | -.116967E-2 | .353983E-2 | -.108359E-2 |
| .353222E-2 | .626221E+0 | -.707581E+0 |             |            |             |
| 431807900. | .646912E+0 | -.708557E+0 | -.830632E-3 | .396359E-2 | -.735797E-3 |
| .394449E-2 | .626343E+0 | -.707153E+0 |             |            |             |
| 431820400. | .647064E+0 | -.708649E+0 | -.398267E-3 | .426725E-2 | -.309829E-3 |
| .424761E-2 | .626282E+0 | -.707092E+0 |             |            |             |
| 431832900. | .647034E+0 | -.708679E+0 | .315648E-4  | .445168E-2 | .126287E-3  |
| .440913E-2 | .626617E+0 | -.707397E+0 |             |            |             |
| 431845400. | .647308E+0 | -.708862E+0 | .440462E-3  | .451627E-2 | .529324E-3  |
| .448009E-2 | .626617E+0 | -.707550E+0 |             |            |             |
| 431857900. | .647095E+0 | -.709229E+0 | .800262E-3  | .453128E-2 | .890643E-3  |
| .448076E-2 | .626312E+0 | -.708038E+0 |             |            |             |
| 431870400. | .647034E+0 | -.709747E+0 | .109225E-2  | .449017E-2 | .118066E-2  |
| .443773E-2 | .626404E+0 | -.708435E+0 |             |            |             |
| 431882900. | .647003E+0 | -.709930E+0 | .135626E-2  | .443611E-2 | .144105E-2  |
| .437211E-2 | .626251E+0 | -.708496E+0 |             |            |             |
| 431895500. | .646790E+0 | -.710144E+0 | .156469E-2  | .436363E-2 | .164432E-2  |
| .430201E-2 | .626007E+0 | -.709045E+0 |             |            |             |
| 431908000. | .646606E+0 | -.710663E+0 | .174350E-2  | .430094E-2 | .182498E-2  |
| .422628E-2 | .625580E+0 | -.709534E+0 |             |            |             |
| 431920500. | .646332E+0 | -.711151E+0 | .189946E-2  | .423437E-2 | .198015E-2  |
| .416387E-2 | .625610E+0 | -.709930E+0 |             |            |             |
| 431933000. | .645844E+0 | -.711395E+0 | .203052E-2  | .418706E-2 | .209225E-2  |
| .410869E-2 | .625031E+0 | -.710297E+0 |             |            |             |
| 431945500. | .645508E+0 | -.711700E+0 | .215311E-2  | .413126E-2 | .221992E-2  |
| .405653E-2 | .624695E+0 | -.710541E+0 |             |            |             |
| 431958000. | .645111E+0 | -.712311E+0 | .225683E-2  | .408751E-2 | .233140E-2  |
| .401279E-2 | .624420E+0 | -.710999E+0 |             |            |             |
| 431970500. | .645050E+0 | -.712402E+0 | .234299E-2  | .405818E-2 | .242126E-2  |
| .397268E-2 | .623962E+0 | -.711182E+0 |             |            |             |
| 431983000. | .644562E+0 | -.712860E+0 | .244948E-2  | .402949E-2 | .250151E-2  |
| .394376E-2 | .623627E+0 | -.711700E+0 |             |            |             |
| 431995600. | .644073E+0 | -.713348E+0 | .251600E-2  | .402094E-2 | .258445E-2  |
| .392528E-2 | .623322E+0 | -.712036E+0 |             |            |             |
| 432008100. | .643738E+0 | -.713623E+0 | .260290E-2  | .400871E-2 | .266912E-2  |
| .391582E-2 | .622772E+0 | -.712311E+0 |             |            |             |
| 432020600. | .643372E+0 | -.713898E+0 | .267684E-2  | .400262E-2 | .274488E-2  |
| .390761E-2 | .622223E+0 | -.712738E+0 |             |            |             |
| 432033100. | .643005E+0 | -.714294E+0 | .275926E-2  | .400188E-2 | .281107E-2  |
| .389753E-2 | .621979E+0 | -.713226E+0 |             |            |             |
| 432045600. | .642639E+0 | -.714508E+0 | .283349E-2  | .400090E-2 | .289939E-2  |
| .390019E-2 | .621338E+0 | -.713470E+0 |             |            |             |
| 432058100. | .641846E+0 | -.714966E+0 | .291521E-2  | .401186E-2 | .297583E-2  |
| .391840E-2 | .620819E+0 | -.713806E+0 |             |            |             |
| 432070600. | .641510E+0 | -.715454E+0 | .299549E-2  | .402804E-2 | .305123E-2  |
| .392356E-2 | .620483E+0 | -.714203E+0 |             |            |             |
| 432083100. | .641083E+0 | -.715759E+0 | .307459E-2  | .405103E-2 | .313913E-2  |
| .395333E-2 | .619843E+0 | -.714569E+0 |             |            |             |

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| 432095600. | .640656E+0 | -.716156E+0 | .316195E-2 | .407252E-2  | .322818E-2   |
| .397122E-2 | .619385E+0 | -.714783E+0 |            |             |              |
| 432108200. | .640015E+0 | -.716461E+0 | .325111E-2 | .410355E-2  | .331775E-2   |
| .400274E-2 | .618622E+0 | -.715057E+0 |            |             |              |
| 432120700. | .639435E+0 | -.716888E+0 | .335475E-2 | .414537E-2  | .341099E-2   |
| .403535E-2 | .618073E+0 | -.715576E+0 |            |             |              |
| 432133200. | .639038E+0 | -.717377E+0 | .345371E-2 | .418794E-2  | .352097E-2   |
| .407869E-2 | .617615E+0 | -.715881E+0 |            |             |              |
| 432145700. | .638458E+0 | -.717743E+0 | .357514E-2 | .423277E-2  | .363324E-2   |
| .412530E-2 | .616821E+0 | -.716278E+0 |            |             |              |
| 432158200. | .637970E+0 | -.718048E+0 | .369251E-2 | .428655E-2  | .375377E-2   |
| .417184E-2 | .616333E+0 | -.716736E+0 |            |             |              |
| 432170700. | .637299E+0 | -.718597E+0 | .384570E-2 | .434259E-2  | .390132E-2   |
| .421696E-2 | .615631E+0 | -.716980E+0 |            |             |              |
| 432183200. | .636810E+0 | -.718872E+0 | .399215E-2 | .439020E-2  | .406475E-2   |
| .427546E-2 | .614868E+0 | -.717346E+0 |            |             |              |
| 432195700. | .636230E+0 | -.719238E+0 | .417742E-2 | .445684E-2  | .423186E-2   |
| .432521E-2 | .614136E+0 | -.717865E+0 |            |             |              |
| 432208300. | .635376E+0 | -.719757E+0 | .437182E-2 | .451605E-2  | .443296E-2   |
| .437830E-2 | .613403E+0 | -.718201E+0 |            |             |              |
| 432220800. | .634674E+0 | -.720093E+0 | .460275E-2 | .456431E-2  | .466769E-2   |
| .442433E-2 | .612701E+0 | -.718536E+0 |            |             |              |
| 432233300. | .633942E+0 | -.720490E+0 | .486438E-2 | .461392E-2  | .492669E-2   |
| .448061E-2 | .611603E+0 | -.719177E+0 |            |             |              |
| 432245800. | .633331E+0 | -.720856E+0 | .517334E-2 | .466225E-2  | .523064E-2   |
| .450763E-2 | .610474E+0 | -.719330E+0 |            |             |              |
| 432258300. | .632324E+0 | -.721405E+0 | .553112E-2 | .466983E-2  | .558975E-2   |
| .450193E-2 | .609589E+0 | -.719482E+0 |            |             |              |
| 432270800. | .631439E+0 | -.721771E+0 | .595423E-2 | .464444E-2  | .601124E-2   |
| .447191E-2 | .608246E+0 | -.719971E+0 |            |             |              |
| 432283300. | .630524E+0 | -.722198E+0 | .645059E-2 | .454006E-2  | .649235E-2   |
| .436403E-2 | .607086E+0 | -.719971E+0 |            |             |              |
| 432295800. | .629395E+0 | -.722473E+0 | .701576E-2 | .435307E-2  | .705588E-2   |
| .416174E-2 | .605804E+0 | -.720001E+0 |            |             |              |
| 432308400. | .628357E+0 | -.722534E+0 | .764875E-2 | .400192E-2  | .767011E-2   |
| .379809E-2 | .604584E+0 | -.719543E+0 |            |             |              |
| 432320900. | .627319E+0 | -.722534E+0 | .831011E-2 | .340571E-2  | .830410E-2   |
| .320324E-2 | .603333E+0 | -.719147E+0 |            |             |              |
| 432333400. | .626251E+0 | -.722382E+0 | .887222E-2 | .253990E-2  | .884166E-2   |
| .232355E-2 | .602020E+0 | -.718079E+0 |            |             |              |
| 432345900. | .625092E+0 | -.722046E+0 | .918164E-2 | .138037E-2  | .913130E-2   |
| .116892E-2 | .601410E+0 | -.717010E+0 |            |             |              |
| 432358400. | .624298E+0 | -.721283E+0 | .907203E-2 | .630593E-4  | .899402E-2 - |
| .136468E-3 | .601257E+0 | -.715576E+0 |            |             |              |
| 432370900. | .624115E+0 | -.721008E+0 | .847370E-2 | -.117757E-2 | .836540E-2 - |
| .135676E-2 | .601715E+0 | -.714355E+0 |            |             |              |
| 432383400. | .624146E+0 | -.720612E+0 | .748233E-2 | -.209524E-2 | .735794E-2 - |
| .224790E-2 | .602661E+0 | -.714142E+0 |            |             |              |
| 432395900. | .624207E+0 | -.720673E+0 | .633153E-2 | -.257582E-2 | .621770E-2 - |
| .268893E-2 | .603546E+0 | -.714081E+0 |            |             |              |
| 432408400. | .624390E+0 | -.720856E+0 | .523962E-2 | -.266140E-2 | .513902E-2 - |
| .274349E-2 | .604095E+0 | -.714752E+0 |            |             |              |
| 432421000. | .624115E+0 | -.721375E+0 | .433249E-2 | -.247456E-2 | .424121E-2 - |
| .255290E-2 | .604645E+0 | -.715729E+0 |            |             |              |
| 432433500. | .623962E+0 | -.722321E+0 | .362663E-2 | -.216482E-2 | .354957E-2 - |
| .222374E-2 | .604858E+0 | -.716675E+0 |            |             |              |

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|------------|------------|-------------|-------------|-------------|-------------|---|
| 432446000. | .623505E+0 | -.722961E+0 | .310471E-2  | -.180381E-2 | .302452E-2  | - |
| .185513E-2 | .604706E+0 | -.717926E+0 |             |             |             |   |
| 432458500. | .622864E+0 | -.723724E+0 | .271414E-2  | -.144753E-2 | .264951E-2  | - |
| .149384E-2 | .604126E+0 | -.719086E+0 |             |             |             |   |
| 432471000. | .622345E+0 | -.724487E+0 | .240786E-2  | -.109515E-2 | .235934E-2  | - |
| .113736E-2 | .603424E+0 | -.720062E+0 |             |             |             |   |
| 432483500. | .621674E+0 | -.725189E+0 | .217908E-2  | -.789251E-3 | .214248E-2  | - |
| .822086E-3 | .602814E+0 | -.720825E+0 |             |             |             |   |
| 432496000. | .620789E+0 | -.725830E+0 | .201192E-2  | -.503413E-3 | .197948E-2  | - |
| .543003E-3 | .602142E+0 | -.721985E+0 |             |             |             |   |
| 432508500. | .619965E+0 | -.726776E+0 | .188018E-2  | -.263311E-3 | .185007E-2  | - |
| .303327E-3 | .601288E+0 | -.722626E+0 |             |             |             |   |
| 432521100. | .618958E+0 | -.727448E+0 | .176264E-2  | -.565900E-4 | .174016E-2  | - |
| .855740E-4 | .600494E+0 | -.723602E+0 |             |             |             |   |
| 432533600. | .618073E+0 | -.727844E+0 | .166295E-2  | .150753E-3  | .165153E-2  |   |
| .115493E-3 | .599396E+0 | -.724304E+0 |             |             |             |   |
| 432546100. | .617065E+0 | -.728760E+0 | .157165E-2  | .314528E-3  | .156521E-2  |   |
| .283078E-3 | .598480E+0 | -.725098E+0 |             |             |             |   |
| 432558600. | .616089E+0 | -.729340E+0 | .149206E-2  | .465362E-3  | .148908E-2  |   |
| .427782E-3 | .597473E+0 | -.726044E+0 |             |             |             |   |
| 432571100. | .614990E+0 | -.730164E+0 | .141216E-2  | .593951E-3  | .141401E-2  |   |
| .562233E-3 | .596375E+0 | -.726624E+0 |             |             |             |   |
| 432583600. | .614136E+0 | -.730957E+0 | .132990E-2  | .708896E-3  | .133417E-2  |   |
| .678020E-3 | .595154E+0 | -.727600E+0 |             |             |             |   |
| 432596100. | .612854E+0 | -.731415E+0 | .124696E-2  | .826933E-3  | .125417E-2  |   |
| .777316E-3 | .593994E+0 | -.728119E+0 |             |             |             |   |
| 432608600. | .611542E+0 | -.732086E+0 | .115144E-2  | .903533E-3  | .116708E-2  |   |
| .864643E-3 | .593109E+0 | -.728973E+0 |             |             |             |   |
| 432621200. | .610382E+0 | -.732941E+0 | .105572E-2  | .976632E-3  | .106539E-2  |   |
| .951617E-3 | .591827E+0 | -.729675E+0 |             |             |             |   |
| 432633700. | .608978E+0 | -.733765E+0 | .949168E-3  | .103839E-2  | .967690E-3  |   |
| .101723E-2 | .590790E+0 | -.730194E+0 |             |             |             |   |
| 432646200. | .607697E+0 | -.734467E+0 | .835379E-3  | .109478E-2  | .852702E-3  |   |
| .106795E-2 | .589325E+0 | -.731262E+0 |             |             |             |   |
| 432658700. | .606354E+0 | -.735016E+0 | .697872E-3  | .113387E-2  | .719310E-3  |   |
| .110797E-2 | .588074E+0 | -.731689E+0 |             |             |             |   |
| 432671200. | .605011E+0 | -.735779E+0 | .569450E-3  | .116937E-2  | .566078E-3  |   |
| .113975E-2 | .586670E+0 | -.732788E+0 |             |             |             |   |
| 432683700. | .603516E+0 | -.736481E+0 | .391887E-3  | .120025E-2  | .415578E-3  |   |
| .117076E-2 | .585266E+0 | -.733368E+0 |             |             |             |   |
| 432696200. | .601929E+0 | -.737396E+0 | .212736E-3  | .120122E-2  | .231696E-3  |   |
| .119241E-2 | .583893E+0 | -.734283E+0 |             |             |             |   |
| 432708700. | .600494E+0 | -.738220E+0 | .148036E-4  | .121298E-2  | .442324E-4  |   |
| .119869E-2 | .582245E+0 | -.735016E+0 |             |             |             |   |
| 432721200. | .598602E+0 | -.738953E+0 | -.205701E-3 | .121447E-2  | -.183523E-3 |   |
| .120825E-2 | .580902E+0 | -.735657E+0 |             |             |             |   |
| 432733800. | .597046E+0 | -.739716E+0 | -.461790E-3 | .120251E-2  | -.431166E-3 |   |
| .119884E-2 | .579163E+0 | -.736572E+0 |             |             |             |   |
| 432746300. | .595337E+0 | -.740662E+0 | -.740734E-3 | .119120E-2  | -.710592E-3 |   |
| .118720E-2 | .577484E+0 | -.737518E+0 |             |             |             |   |
| 432758800. | .593536E+0 | -.741394E+0 | -.105416E-2 | .117108E-2  | -.102397E-2 |   |
| .117244E-2 | .575775E+0 | -.738312E+0 |             |             |             |   |
| 432771300. | .591736E+0 | -.742310E+0 | -.140514E-2 | .113469E-2  | -.136896E-2 |   |
| .115252E-2 | .573853E+0 | -.739075E+0 |             |             |             |   |
| 432783800. | .589630E+0 | -.743195E+0 | -.178392E-2 | .110393E-2  | -.175671E-2 |   |
| .113029E-2 | .572113E+0 | -.740082E+0 |             |             |             |   |

|            |            |             |             |            |             |
|------------|------------|-------------|-------------|------------|-------------|
| 432796300. | .587463E+0 | -.744049E+0 | -.221806E-2 | .106875E-2 | -.217807E-2 |
| .110605E-2 | .569977E+0 | -.740753E+0 |             |            |             |
| 432808800. | .585175E+0 | -.744995E+0 | -.269168E-2 | .102945E-2 | -.265146E-2 |
| .106832E-2 | .568054E+0 | -.741852E+0 |             |            |             |
| 432821300. | .582855E+0 | -.745911E+0 | -.322448E-2 | .977176E-3 | -.317786E-2 |
| .103734E-2 | .565613E+0 | -.742920E+0 |             |            |             |
| 432833900. | .580444E+0 | -.746979E+0 | -.381123E-2 | .916094E-3 | -.375545E-2 |
| .993657E-3 | .563568E+0 | -.743713E+0 |             |            |             |
| 432846400. | .577698E+0 | -.747772E+0 | -.447092E-2 | .844410E-3 | -.440195E-2 |
| .944450E-3 | .560791E+0 | -.744781E+0 |             |            |             |
| 432858900. | .574921E+0 | -.748810E+0 | -.520692E-2 | .778906E-3 | -.513609E-2 |
| .885426E-3 | .558258E+0 | -.745850E+0 |             |            |             |
| 432871400. | .572052E+0 | -.749969E+0 | -.602929E-2 | .703611E-3 | -.596672E-2 |
| .818665E-3 | .555664E+0 | -.746887E+0 |             |            |             |
| 432883900. | .569153E+0 | -.750854E+0 | -.697588E-2 | .620855E-3 | -.689793E-2 |
| .769728E-3 | .552734E+0 | -.747772E+0 |             |            |             |
| 432896400. | .565796E+0 | -.751831E+0 | -.802322E-2 | .551145E-3 | -.793004E-2 |
| .723217E-3 | .549866E+0 | -.748901E+0 |             |            |             |
| 432908900. | .562195E+0 | -.752991E+0 | -.922139E-2 | .498404E-3 | -.911599E-2 |
| .687435E-3 | .546539E+0 | -.749939E+0 |             |            |             |
| 432921400. | .558380E+0 | -.754120E+0 | -.105525E-1 | .439109E-3 | -.104487E-1 |
| .657664E-3 | .543152E+0 | -.751312E+0 |             |            |             |
| 432934000. | .554413E+0 | -.755005E+0 | -.120831E-1 | .405456E-3 | -.119499E-1 |
| .660586E-3 | .539581E+0 | -.752380E+0 |             |            |             |
| 432946500. | .550018E+0 | -.756134E+0 | -.137993E-1 | .400890E-3 | -.136579E-1 |
| .689640E-3 | .535461E+0 | -.753326E+0 |             |            |             |
| 432959000. | .545074E+0 | -.756927E+0 | -.157611E-1 | .438527E-3 | -.156008E-1 |
| .753624E-3 | .531006E+0 | -.754578E+0 |             |            |             |
| 432971500. | .539917E+0 | -.757874E+0 | -.180083E-1 | .533001E-3 | -.178158E-1 |
| .906894E-3 | .526489E+0 | -.755585E+0 |             |            |             |
| 432984000. | .534454E+0 | -.758789E+0 | -.205743E-1 | .696003E-3 | -.203481E-1 |
| .111927E-2 | .521606E+0 | -.756622E+0 |             |            |             |
| 432996500. | .528381E+0 | -.759613E+0 | -.235285E-1 | .982281E-3 | -.232665E-1 |
| .145489E-2 | .515839E+0 | -.757660E+0 |             |            |             |
| 433009000. | .521637E+0 | -.759766E+0 | -.269461E-1 | .142692E-2 | -.266283E-1 |
| .195692E-2 | .509796E+0 | -.758514E+0 |             |            |             |
| 433021500. | .514130E+0 | -.760223E+0 | -.308839E-1 | .208769E-2 | -.305103E-1 |
| .269446E-2 | .503357E+0 | -.759003E+0 |             |            |             |
| 433034000. | .505951E+0 | -.760132E+0 | -.354691E-1 | .306416E-2 | -.350416E-1 |
| .376033E-2 | .495880E+0 | -.759247E+0 |             |            |             |
| 433046600. | .496887E+0 | -.759369E+0 | -.408339E-1 | .448331E-2 | -.402897E-1 |
| .527630E-2 | .487762E+0 | -.759338E+0 |             |            |             |
| 433059100. | .486389E+0 | -.757782E+0 | -.470845E-1 | .655839E-2 | -.464220E-1 |
| .743040E-2 | .478424E+0 | -.758911E+0 |             |            |             |
| 433071600. | .474945E+0 | -.755005E+0 | -.543798E-1 | .951983E-2 | -.535815E-1 |
| .105062E-1 | .468140E+0 | -.757324E+0 |             |            |             |
| 433084100. | .462219E+0 | -.750916E+0 | -.628628E-1 | .138195E-1 | -.619015E-1 |
| .149148E-1 | .456604E+0 | -.754700E+0 |             |            |             |
| 433096600. | .448090E+0 | -.744507E+0 | -.726778E-1 | .199954E-1 | -.714896E-1 |
| .212080E-1 | .443481E+0 | -.750397E+0 |             |            |             |
| 433109100. | .432587E+0 | -.735168E+0 | -.837725E-1 | .289858E-1 | -.822830E-1 |
| .302411E-1 | .429291E+0 | -.743500E+0 |             |            |             |
| 433121600. | .416443E+0 | -.721191E+0 | -.957964E-1 | .418555E-1 | -.939275E-1 |
| .432235E-1 | .414001E+0 | -.732910E+0 |             |            |             |
| 433134100. | .400879E+0 | -.701630E+0 | -.107710E+0 | .601278E-1 | -.105519E+0 |
| .615176E-1 | .398743E+0 | -.717651E+0 |             |            |             |

|            |            |             |             |            |             |
|------------|------------|-------------|-------------|------------|-------------|
| 433146700. | .387970E+0 | -.674652E+0 | -.117300E+0 | .852722E-1 | -.114642E+0 |
| .864625E-1 | .385376E+0 | -.695648E+0 |             |            |             |
| 433159200. | .382355E+0 | -.640747E+0 | -.120956E+0 | .117766E+0 | -.117752E+0 |
| .118719E+0 | .377411E+0 | -.667328E+0 |             |            |             |
| 433171700. | .388458E+0 | -.602264E+0 | -.113838E+0 | .155189E+0 | -.110266E+0 |
| .155797E+0 | .379150E+0 | -.634674E+0 |             |            |             |
| 433184200. | .409515E+0 | -.566010E+0 | -.930705E-1 | .192184E+0 | -.891077E-1 |
| .192289E+0 | .393188E+0 | -.602631E+0 |             |            |             |
| 433196700. | .443085E+0 | -.539612E+0 | -.596017E-1 | .221350E+0 | -.553850E-1 |
| .220854E+0 | .418335E+0 | -.577850E+0 |             |            |             |
| 433209200. | .482574E+0 | -.528503E+0 | -.189451E-1 | .237613E+0 | -.145855E-1 |
| .236355E+0 | .449615E+0 | -.564728E+0 |             |            |             |
| 433221700. | .519714E+0 | -.532379E+0 | .213537E-1  | .240114E+0 | .256373E-1  |
| .238295E+0 | .480347E+0 | -.564514E+0 |             |            |             |
| 433234200. | .549255E+0 | -.546661E+0 | .562013E-1  | .232697E+0 | .603086E-1  |
| .230279E+0 | .505432E+0 | -.573639E+0 |             |            |             |
| 433246800. | .569550E+0 | -.565918E+0 | .839992E-1  | .219900E+0 | .876822E-1  |
| .216893E+0 | .523193E+0 | -.587952E+0 |             |            |             |
| 433259300. | .581940E+0 | -.586700E+0 | .105079E+0  | .205053E+0 | .108461E+0  |
| .201674E+0 | .534424E+0 | -.603973E+0 |             |            |             |
| 433271800. | .588104E+0 | -.606506E+0 | .120996E+0  | .190427E+0 | .123925E+0  |
| .186731E+0 | .540070E+0 | -.619812E+0 |             |            |             |
| 433284300. | .589172E+0 | -.624817E+0 | .133163E+0  | .176901E+0 | .135786E+0  |
| .172897E+0 | .541382E+0 | -.634338E+0 |             |            |             |
| 433296800. | .587067E+0 | -.640930E+0 | .142990E+0  | .164956E+0 | .145045E+0  |
| .160757E+0 | .539764E+0 | -.647766E+0 |             |            |             |
| 433309300. | .582397E+0 | -.655029E+0 | .151022E+0  | .154595E+0 | .152935E+0  |
| .150227E+0 | .535645E+0 | -.659363E+0 |             |            |             |
| 433321800. | .576202E+0 | -.667114E+0 | .158266E+0  | .145671E+0 | .159857E+0  |
| .141119E+0 | .529938E+0 | -.669617E+0 |             |            |             |
| 433334300. | .568451E+0 | -.677704E+0 | .165176E+0  | .137957E+0 | .166435E+0  |
| .133336E+0 | .522919E+0 | -.677917E+0 |             |            |             |
| 433346800. | .559418E+0 | -.686798E+0 | .172039E+0  | .131266E+0 | .173082E+0  |
| .126592E+0 | .514465E+0 | -.685425E+0 |             |            |             |
| 433359400. | .549835E+0 | -.694763E+0 | .179302E+0  | .125475E+0 | .180083E+0  |
| .120629E+0 | .505005E+0 | -.692230E+0 |             |            |             |
| 433371900. | .539246E+0 | -.701385E+0 | .187067E+0  | .120244E+0 | .187602E+0  |
| .115231E+0 | .494659E+0 | -.697205E+0 |             |            |             |
| 433384400. | .527405E+0 | -.707031E+0 | .195464E+0  | .115429E+0 | .195761E+0  |
| .110342E+0 | .483490E+0 | -.701660E+0 |             |            |             |
| 433396900. | .514771E+0 | -.711609E+0 | .204889E+0  | .110785E+0 | .204925E+0  |
| .105556E+0 | .471130E+0 | -.705017E+0 |             |            |             |
| 433409400. | .500946E+0 | -.715210E+0 | .215372E+0  | .106192E+0 | .215080E+0  |
| .100789E+0 | .457550E+0 | -.707001E+0 |             |            |             |
| 433421900. | .486084E+0 | -.717529E+0 | .227063E+0  | .101396E+0 | .226444E+0  |
| .958467E-1 | .442749E+0 | -.708374E+0 |             |            |             |
| 433434400. | .469604E+0 | -.718689E+0 | .240215E+0  | .959881E-1 | .239294E+0  |
| .902922E-1 | .426666E+0 | -.707886E+0 |             |            |             |
| 433446900. | .451569E+0 | -.718292E+0 | .255079E+0  | .896342E-1 | .253734E+0  |
| .838414E-1 | .409027E+0 | -.706146E+0 |             |            |             |
| 433459500. | .432037E+0 | -.715912E+0 | .271669E+0  | .820662E-1 | .270014E+0  |
| .760749E-1 | .389801E+0 | -.702301E+0 |             |            |             |
| 433472000. | .410614E+0 | -.711334E+0 | .290391E+0  | .725972E-1 | .288224E+0  |
| .665832E-1 | .368774E+0 | -.695923E+0 |             |            |             |
| 433484500. | .387482E+0 | -.703522E+0 | .311121E+0  | .602666E-1 | .308421E+0  |
| .543152E-1 | .345947E+0 | -.686249E+0 |             |            |             |

|            |            |             |             |             |             |   |
|------------|------------|-------------|-------------|-------------|-------------|---|
| 433497000. | .362427E+0 | -.691589E+0 | .333861E+0  | .445196E-1  | .330589E+0  |   |
| .385237E-1 | .321442E+0 | -.672485E+0 |             |             |             |   |
| 433509500. | .335724E+0 | -.674866E+0 | .358417E+0  | .238309E-1  | .354523E+0  |   |
| .178679E-1 | .295746E+0 | -.653534E+0 |             |             |             |   |
| 433522000. | .308350E+0 | -.651428E+0 | .383983E+0  | -.315686E-2 | .379257E+0  | - |
| .889184E-2 | .269653E+0 | -.627686E+0 |             |             |             |   |
| 433534500. | .281647E+0 | -.619843E+0 | .408970E+0  | -.381643E-1 | .403682E+0  | - |
| .435925E-1 | .244690E+0 | -.593719E+0 |             |             |             |   |
| 433547000. | .258026E+0 | -.579071E+0 | .431053E+0  | -.829117E-1 | .425393E+0  | - |
| .876426E-1 | .223328E+0 | -.550476E+0 |             |             |             |   |
| 433559600. | .241516E+0 | -.527710E+0 | .446091E+0  | -.137665E+0 | .440090E+0  | - |
| .141842E+0 | .209747E+0 | -.497406E+0 |             |             |             |   |
| 433572100. | .236908E+0 | -.467957E+0 | .449272E+0  | -.201434E+0 | .443111E+0  | - |
| .204790E+0 | .208817E+0 | -.436050E+0 |             |             |             |   |
| 433584600. | .248672E+0 | -.404449E+0 | .435756E+0  | -.268967E+0 | .429814E+0  | - |
| .271951E+0 | .224396E+0 | -.371826E+0 |             |             |             |   |
| 433597100. | .276932E+0 | -.343811E+0 | .405417E+0  | -.333828E+0 | .399680E+0  | - |
| .336302E+0 | .256454E+0 | -.310852E+0 |             |             |             |   |
| 433609600. | .319977E+0 | -.290054E+0 | .360203E+0  | -.391616E+0 | .354432E+0  | - |
| .393879E+0 | .303574E+0 | -.257477E+0 |             |             |             |   |
| 433622100. | .376587E+0 | -.248077E+0 | .301130E+0  | -.437507E+0 | .295306E+0  | - |
| .439682E+0 | .364380E+0 | -.216553E+0 |             |             |             |   |
| 433634600. | .441803E+0 | -.223328E+0 | .232860E+0  | -.466011E+0 | .227137E+0  | - |
| .468209E+0 | .433670E+0 | -.193924E+0 |             |             |             |   |
| 433647100. | .507935E+0 | -.217407E+0 | .163842E+0  | -.475516E+0 | .157566E+0  | - |
| .477395E+0 | .502838E+0 | -.191101E+0 |             |             |             |   |
| 433659600. | .567780E+0 | -.227417E+0 | .100710E+0  | -.468774E+0 | .942717E-1  | - |
| .470249E+0 | .565033E+0 | -.204681E+0 |             |             |             |   |
| 433672200. | .617889E+0 | -.248291E+0 | .473251E-1  | -.450860E+0 | .407664E-1  | - |
| .451769E+0 | .616364E+0 | -.229248E+0 |             |             |             |   |
| 433684700. | .657623E+0 | -.275452E+0 | .427637E-2  | -.426683E+0 | -.224197E-2 | - |
| .427070E+0 | .656555E+0 | -.259766E+0 |             |             |             |   |
| 433697200. | .687622E+0 | -.304810E+0 | -.288124E-1 | -.399889E+0 | -.355730E-1 | - |
| .399695E+0 | .686340E+0 | -.292053E+0 |             |             |             |   |
| 433709700. | .709595E+0 | -.334442E+0 | -.540358E-1 | -.373216E+0 | -.604717E-1 | - |
| .372270E+0 | .707581E+0 | -.324249E+0 |             |             |             |   |
| 433722200. | .725220E+0 | -.362610E+0 | -.728322E-1 | -.347421E+0 | -.789272E-1 | - |
| .346067E+0 | .722290E+0 | -.354645E+0 |             |             |             |   |
| 433734700. | .735748E+0 | -.389008E+0 | -.867688E-1 | -.323649E+0 | -.926132E-1 | - |
| .321986E+0 | .731812E+0 | -.382507E+0 |             |             |             |   |
| 433747200. | .742615E+0 | -.412842E+0 | -.968438E-1 | -.302043E+0 | -.102531E+0 | - |
| .300029E+0 | .737427E+0 | -.407928E+0 |             |             |             |   |
| 433759700. | .746826E+0 | -.434540E+0 | -.104298E+0 | -.282712E+0 | -.109640E+0 | - |
| .280411E+0 | .740723E+0 | -.430695E+0 |             |             |             |   |
| 433772300. | .748871E+0 | -.454254E+0 | -.109638E+0 | -.265253E+0 | -.114821E+0 | - |
| .262893E+0 | .741669E+0 | -.451385E+0 |             |             |             |   |
| 433784800. | .749481E+0 | -.471954E+0 | -.113527E+0 | -.249878E+0 | -.118295E+0 | - |
| .247229E+0 | .741241E+0 | -.469788E+0 |             |             |             |   |
| 433797300. | .748810E+0 | -.487915E+0 | -.116246E+0 | -.236090E+0 | -.120663E+0 | - |
| .233381E+0 | .739868E+0 | -.486328E+0 |             |             |             |   |
| 433809800. | .747223E+0 | -.502533E+0 | -.118279E+0 | -.223958E+0 | -.122565E+0 | - |
| .221007E+0 | .737396E+0 | -.501434E+0 |             |             |             |   |
| 433822300. | .745392E+0 | -.515564E+0 | -.119677E+0 | -.213052E+0 | -.123845E+0 | - |
| .210083E+0 | .734467E+0 | -.514740E+0 |             |             |             |   |
| 433834800. | .742767E+0 | -.527588E+0 | -.120643E+0 | -.203382E+0 | -.124667E+0 | - |
| .200268E+0 | .731201E+0 | -.527008E+0 |             |             |             |   |

|            |            |             |             |             |             |   |
|------------|------------|-------------|-------------|-------------|-------------|---|
| 433847300. | .739838E+0 | -.538666E+0 | -.121513E+0 | -.194757E+0 | -.125109E+0 | - |
| .191591E+0 | .727417E+0 | -.538300E+0 |             |             |             |   |
| 433859800. | .736694E+0 | -.548645E+0 | -.122132E+0 | -.187143E+0 | -.125634E+0 | - |
| .184006E+0 | .723602E+0 | -.548676E+0 |             |             |             |   |
| 433872400. | .733337E+0 | -.557922E+0 | -.122624E+0 | -.180151E+0 | -.126028E+0 | - |
| .176991E+0 | .719788E+0 | -.558044E+0 |             |             |             |   |
| 433884900. | .729584E+0 | -.566681E+0 | -.123044E+0 | -.173977E+0 | -.126353E+0 | - |
| .170830E+0 | .715393E+0 | -.566742E+0 |             |             |             |   |
| 433897400. | .725830E+0 | -.574646E+0 | -.123656E+0 | -.168549E+0 | -.126771E+0 | - |
| .165304E+0 | .711273E+0 | -.574860E+0 |             |             |             |   |
| 433909900. | .722321E+0 | -.582123E+0 | -.124175E+0 | -.163599E+0 | -.127237E+0 | - |
| .160317E+0 | .706818E+0 | -.582123E+0 |             |             |             |   |
| 433922400. | .718292E+0 | -.589325E+0 | -.124840E+0 | -.159250E+0 | -.127767E+0 | - |
| .155944E+0 | .702454E+0 | -.589111E+0 |             |             |             |   |
| 433934900. | .714203E+0 | -.595825E+0 | -.125622E+0 | -.155347E+0 | -.128411E+0 | - |
| .151937E+0 | .697845E+0 | -.595673E+0 |             |             |             |   |
| 433947400. | .709930E+0 | -.602234E+0 | -.126489E+0 | -.151833E+0 | -.129209E+0 | - |
| .148556E+0 | .693420E+0 | -.601990E+0 |             |             |             |   |
| 433959900. | .705536E+0 | -.608185E+0 | -.127520E+0 | -.148731E+0 | -.130152E+0 | - |
| .145344E+0 | .688416E+0 | -.607880E+0 |             |             |             |   |
| 433972400. | .700775E+0 | -.613800E+0 | -.128837E+0 | -.145985E+0 | -.131336E+0 | - |
| .142585E+0 | .683685E+0 | -.613403E+0 |             |             |             |   |
| 433985000. | .696228E+0 | -.619354E+0 | -.130199E+0 | -.143653E+0 | -.132696E+0 | - |
| .140139E+0 | .678772E+0 | -.618927E+0 |             |             |             |   |
| 433997500. | .691437E+0 | -.624329E+0 | -.131813E+0 | -.141623E+0 | -.134134E+0 | - |
| .138069E+0 | .673676E+0 | -.623749E+0 |             |             |             |   |
| 434010000. | .686340E+0 | -.629242E+0 | -.133732E+0 | -.139813E+0 | -.135952E+0 | - |
| .136249E+0 | .668488E+0 | -.628601E+0 |             |             |             |   |
| 434022500. | .681122E+0 | -.633972E+0 | -.135917E+0 | -.138423E+0 | -.138146E+0 | - |
| .134723E+0 | .662964E+0 | -.633148E+0 |             |             |             |   |
| 434035000. | .675690E+0 | -.638214E+0 | -.138327E+0 | -.137275E+0 | -.140494E+0 | - |
| .133506E+0 | .657257E+0 | -.637909E+0 |             |             |             |   |
| 434047500. | .670197E+0 | -.642639E+0 | -.141206E+0 | -.136361E+0 | -.143372E+0 | - |
| .132531E+0 | .651428E+0 | -.642120E+0 |             |             |             |   |
| 434060000. | .664276E+0 | -.646881E+0 | -.144450E+0 | -.135737E+0 | -.146528E+0 | - |
| .131753E+0 | .645142E+0 | -.646332E+0 |             |             |             |   |
| 434072500. | .658264E+0 | -.651062E+0 | -.148223E+0 | -.135227E+0 | -.150177E+0 | - |
| .131232E+0 | .638611E+0 | -.650391E+0 |             |             |             |   |
| 434085100. | .651703E+0 | -.655060E+0 | -.152479E+0 | -.135013E+0 | -.154404E+0 | - |
| .130857E+0 | .631592E+0 | -.654205E+0 |             |             |             |   |
| 434097600. | .644714E+0 | -.659241E+0 | -.157297E+0 | -.134790E+0 | -.159106E+0 | - |
| .130538E+0 | .624298E+0 | -.658234E+0 |             |             |             |   |
| 434110100. | .637085E+0 | -.663239E+0 | -.162687E+0 | -.134819E+0 | -.164477E+0 | - |
| .130392E+0 | .616364E+0 | -.661774E+0 |             |             |             |   |
| 434122600. | .629181E+0 | -.667084E+0 | -.168862E+0 | -.134959E+0 | -.170497E+0 | - |
| .130311E+0 | .607697E+0 | -.665344E+0 |             |             |             |   |
| 434135100. | .620026E+0 | -.670898E+0 | -.175742E+0 | -.135118E+0 | -.177284E+0 | - |
| .130362E+0 | .598358E+0 | -.668976E+0 |             |             |             |   |
| 434147600. | .609924E+0 | -.674561E+0 | -.183699E+0 | -.135311E+0 | -.185068E+0 | - |
| .130415E+0 | .588074E+0 | -.672058E+0 |             |             |             |   |
| 434160100. | .599060E+0 | -.677887E+0 | -.192658E+0 | -.135489E+0 | -.193875E+0 | - |
| .130463E+0 | .576904E+0 | -.674866E+0 |             |             |             |   |
| 434172600. | .586700E+0 | -.680817E+0 | -.202919E+0 | -.135586E+0 | -.204079E+0 | - |
| .130287E+0 | .564331E+0 | -.677307E+0 |             |             |             |   |
| 434185200. | .573090E+0 | -.683502E+0 | -.214767E+0 | -.135426E+0 | -.215616E+0 | - |
| .129796E+0 | .550323E+0 | -.679352E+0 |             |             |             |   |



|            |            |             |             |             |             |   |
|------------|------------|-------------|-------------|-------------|-------------|---|
| 434197700. | .557678E+0 | -.685181E+0 | -.228480E+0 | -.134711E+0 | -.229044E+0 | - |
| .128887E+0 | .534668E+0 | -.680542E+0 |             |             |             |   |
| 434210200. | .540100E+0 | -.685974E+0 | -.244212E+0 | -.133287E+0 | -.244535E+0 | - |
| .127254E+0 | .517059E+0 | -.680756E+0 |             |             |             |   |
| 434222700. | .520264E+0 | -.685394E+0 | -.262486E+0 | -.130826E+0 | -.262650E+0 | - |
| .124443E+0 | .497009E+0 | -.679596E+0 |             |             |             |   |
| 434235200. | .497437E+0 | -.682983E+0 | -.283975E+0 | -.126527E+0 | -.283632E+0 | - |
| .119847E+0 | .474091E+0 | -.676117E+0 |             |             |             |   |
| 434247700. | .471008E+0 | -.677460E+0 | -.308996E+0 | -.119387E+0 | -.308107E+0 | - |
| .112427E+0 | .447723E+0 | -.669556E+0 |             |             |             |   |
| 434260200. | .441071E+0 | -.667450E+0 | -.338220E+0 | -.107960E+0 | -.336519E+0 | - |
| .100831E+0 | .417908E+0 | -.658447E+0 |             |             |             |   |
| 434272700. | .407104E+0 | -.650635E+0 | -.371482E+0 | -.900961E-1 | -.369116E+0 | - |
| .828349E-1 | .384216E+0 | -.640350E+0 |             |             |             |   |
| 434285200. | .369873E+0 | -.623993E+0 | -.408565E+0 | -.626560E-1 | -.405450E+0 | - |
| .554609E-1 | .347443E+0 | -.612762E+0 |             |             |             |   |
| 434297800. | .331940E+0 | -.583435E+0 | -.446951E+0 | -.208578E-1 | -.442919E+0 | - |
| .141369E-1 | .310455E+0 | -.570862E+0 |             |             |             |   |
| 434310300. | .299042E+0 | -.524384E+0 | -.480823E+0 | .393592E-1  | -.476215E+0 |   |
| .454611E-1 | .279175E+0 | -.510773E+0 |             |             |             |   |
| 434322800. | .283173E+0 | -.446228E+0 | -.498235E+0 | .119328E+0  | -.493244E+0 |   |
| .124481E+0 | .265076E+0 | -.432159E+0 |             |             |             |   |
| 434335300. | .296295E+0 | -.359650E+0 | -.486824E+0 | .208370E+0  | -.482058E+0 |   |
| .212817E+0 | .279465E+0 | -.345596E+0 |             |             |             |   |
| 434347800. | .335114E+0 | -.280518E+0 | -.449603E+0 | .291279E+0  | -.445096E+0 |   |
| .295301E+0 | .318954E+0 | -.265732E+0 |             |             |             |   |
| 434360300. | .396637E+0 | -.209793E+0 | -.388911E+0 | .366451E+0  | -.384379E+0 |   |
| .370381E+0 | .382629E+0 | -.193680E+0 |             |             |             |   |
| 434372800. | .484161E+0 | -.162598E+0 | -.300979E+0 | .418266E+0  | -.296270E+0 |   |
| .422198E+0 | .473541E+0 | -.146088E+0 |             |             |             |   |
| 434385300. | .578583E+0 | -.153015E+0 | -.205425E+0 | .432654E+0  | -.200119E+0 |   |
| .436201E+0 | .571228E+0 | -.137543E+0 |             |             |             |   |
| 434397900. | .659332E+0 | -.173767E+0 | -.122559E+0 | .415939E+0  | -.116759E+0 |   |
| .418910E+0 | .654449E+0 | -.160400E+0 |             |             |             |   |
| 434410400. | .719299E+0 | -.210571E+0 | -.602394E-1 | .383040E+0  | -.543199E-1 |   |
| .384983E+0 | .715759E+0 | -.199585E+0 |             |             |             |   |
| 434422900. | .759705E+0 | -.251953E+0 | -.170448E-1 | .344558E+0  | -.112491E-1 |   |
| .345787E+0 | .757080E+0 | -.243134E+0 |             |             |             |   |
| 434435400. | .785583E+0 | -.291931E+0 | .115376E-1  | .306987E+0  | .169801E-1  |   |
| .307548E+0 | .782867E+0 | -.284943E+0 |             |             |             |   |
| 434447900. | .801056E+0 | -.327759E+0 | .296948E-1  | .273034E+0  | .347906E-1  |   |
| .273179E+0 | .798645E+0 | -.322693E+0 |             |             |             |   |
| 434460400. | .809204E+0 | -.358551E+0 | .406898E-1  | .243458E+0  | .455171E-1  |   |
| .243182E+0 | .807190E+0 | -.355591E+0 |             |             |             |   |
| 434472900. | .813690E+0 | -.384155E+0 | .472207E-1  | .218347E+0  | .515822E-1  |   |
| .217797E+0 | .811554E+0 | -.383789E+0 |             |             |             |   |
| 434485400. | .816223E+0 | -.405548E+0 | .510554E-1  | .197195E+0  | .551396E-1  |   |
| .196330E+0 | .812897E+0 | -.407745E+0 |             |             |             |   |
| 434498000. | .818115E+0 | -.424622E+0 | .534281E-1  | .178891E+0  | .571551E-1  |   |
| .177967E+0 | .812408E+0 | -.428375E+0 |             |             |             |   |
| 434510500. | .818817E+0 | -.441986E+0 | .546533E-1  | .162788E+0  | .580629E-1  |   |
| .161788E+0 | .810944E+0 | -.446198E+0 |             |             |             |   |
| 434523000. | .818420E+0 | -.457947E+0 | .549471E-1  | .148660E+0  | .580790E-1  |   |
| .147560E+0 | .809113E+0 | -.462097E+0 |             |             |             |   |
| 434535500. | .817017E+0 | -.471802E+0 | .544447E-1  | .136143E+0  | .573015E-1  |   |
| .135019E+0 | .806396E+0 | -.475983E+0 |             |             |             |   |

|            |            |             |            |            |            |
|------------|------------|-------------|------------|------------|------------|
| 434548000. | .814941E+0 | -.484314E+0 | .535511E-1 | .125232E+0 | .561498E-1 |
| .124038E+0 | .803650E+0 | -.488525E+0 |            |            |            |
| 434560500. | .812622E+0 | -.495544E+0 | .522294E-1 | .115608E+0 | .546971E-1 |
| .114414E+0 | .800537E+0 | -.499268E+0 |            |            |            |
| 434573000. | .809937E+0 | -.505249E+0 | .508133E-1 | .106983E+0 | .530331E-1 |
| .105825E+0 | .797485E+0 | -.508667E+0 |            |            |            |
| 434585500. | .807251E+0 | -.514160E+0 | .492434E-1 | .994622E-1 | .512287E-1 |
| .982294E-1 | .794189E+0 | -.517395E+0 |            |            |            |
| 434598000. | .804504E+0 | -.522034E+0 | .475949E-1 | .926827E-1 | .495147E-1 |
| .915517E-1 | .791199E+0 | -.525208E+0 |            |            |            |
| 434610600. | .801880E+0 | -.529175E+0 | .460023E-1 | .866530E-1 | .477655E-1 |
| .855170E-1 | .788208E+0 | -.532288E+0 |            |            |            |
| 434623100. | .799194E+0 | -.535767E+0 | .443984E-1 | .811768E-1 | .460236E-1 |
| .800868E-1 | .785156E+0 | -.538574E+0 |            |            |            |
| 434635600. | .796753E+0 | -.541565E+0 | .428160E-1 | .762826E-1 | .444478E-1 |
| .752636E-1 | .782471E+0 | -.544495E+0 |            |            |            |
| 434648100. | .794189E+0 | -.546997E+0 | .413126E-1 | .718834E-1 | .428397E-1 |
| .708751E-1 | .779907E+0 | -.549744E+0 |            |            |            |
| 434660600. | .791809E+0 | -.552002E+0 | .398351E-1 | .678168E-1 | .412489E-1 |
| .667898E-1 | .776855E+0 | -.554749E+0 |            |            |            |
| 434673100. | .789734E+0 | -.556519E+0 | .384596E-1 | .640915E-1 | .398275E-1 |
| .631513E-1 | .774658E+0 | -.559326E+0 |            |            |            |
| 434685600. | .787354E+0 | -.560791E+0 | .371220E-1 | .607401E-1 | .383946E-1 |
| .597538E-1 | .772095E+0 | -.563477E+0 |            |            |            |
| 434698100. | .785400E+0 | -.564880E+0 | .358252E-1 | .576467E-1 | .370325E-1 |
| .567239E-1 | .769897E+0 | -.567139E+0 |            |            |            |
| 434710700. | .783142E+0 | -.568542E+0 | .346461E-1 | .547081E-1 | .357735E-1 |
| .538641E-1 | .767700E+0 | -.570862E+0 |            |            |            |
| 434723200. | .780823E+0 | -.571777E+0 | .334525E-1 | .521249E-1 | .344980E-1 |
| .512546E-1 | .765503E+0 | -.574219E+0 |            |            |            |
| 434735700. | .779175E+0 | -.575195E+0 | .323486E-1 | .497382E-1 | .332996E-1 |
| .488569E-1 | .763367E+0 | -.577515E+0 |            |            |            |
| 434748200. | .777283E+0 | -.578247E+0 | .312734E-1 | .474455E-1 | .322401E-1 |
| .465925E-1 | .761353E+0 | -.580444E+0 |            |            |            |
| 434760700. | .775696E+0 | -.580933E+0 | .302553E-1 | .453572E-1 | .311612E-1 |
| .445157E-1 | .759888E+0 | -.583130E+0 |            |            |            |
| 434773200. | .773926E+0 | -.583618E+0 | .292872E-1 | .433881E-1 | .301603E-1 |
| .425987E-1 | .757996E+0 | -.585754E+0 |            |            |            |
| 434785700. | .772217E+0 | -.586487E+0 | .283764E-1 | .415787E-1 | .292032E-1 |
| .408148E-1 | .756104E+0 | -.588379E+0 |            |            |            |
| 434798200. | .770630E+0 | -.588684E+0 | .274980E-1 | .398786E-1 | .282710E-1 |
| .391132E-1 | .754272E+0 | -.590515E+0 |            |            |            |
| 434810800. | .769165E+0 | -.590942E+0 | .266631E-1 | .382979E-1 | .274032E-1 |
| .375582E-1 | .752563E+0 | -.592834E+0 |            |            |            |
| 434823300. | .767639E+0 | -.593140E+0 | .258536E-1 | .367838E-1 | .265744E-1 |
| .360724E-1 | .751007E+0 | -.595123E+0 |            |            |            |
| 434835800. | .766235E+0 | -.595276E+0 | .250853E-1 | .353873E-1 | .257721E-1 |
| .346903E-1 | .749573E+0 | -.597412E+0 |            |            |            |
| 434848300. | .764832E+0 | -.597107E+0 | .243427E-1 | .340806E-1 | .250082E-1 |
| .333783E-1 | .748077E+0 | -.599091E+0 |            |            |            |
| 434860800. | .763611E+0 | -.599121E+0 | .236390E-1 | .328367E-1 | .242859E-1 |
| .321737E-1 | .746460E+0 | -.601074E+0 |            |            |            |
| 434873300. | .762207E+0 | -.600586E+0 | .229644E-1 | .316577E-1 | .235715E-1 |
| .310046E-1 | .745117E+0 | -.602661E+0 |            |            |            |
| 434885800. | .761047E+0 | -.602539E+0 | .223005E-1 | .305471E-1 | .229163E-1 |
| .299116E-1 | .743927E+0 | -.604401E+0 |            |            |            |

|            |            |             |            |            |            |
|------------|------------|-------------|------------|------------|------------|
| 434898300. | .759766E+0 | -.604248E+0 | .216908E-1 | .294897E-1 | .222549E-1 |
| .288644E-1 | .742554E+0 | -.605927E+0 |            |            |            |
| 434910800. | .758362E+0 | -.605713E+0 | .210833E-1 | .284884E-1 | .216336E-1 |
| .278969E-1 | .741333E+0 | -.607513E+0 |            |            |            |
| 434923400. | .757385E+0 | -.607361E+0 | .205034E-1 | .275415E-1 | .210375E-1 |
| .269551E-1 | .739868E+0 | -.609161E+0 |            |            |            |
| 434935900. | .756104E+0 | -.608765E+0 | .199610E-1 | .266418E-1 | .204579E-1 |
| .260821E-1 | .738892E+0 | -.610382E+0 |            |            |            |
| 434948400. | .755005E+0 | -.610107E+0 | .194117E-1 | .258095E-1 | .198980E-1 |
| .252476E-1 | .737823E+0 | -.611938E+0 |            |            |            |
| 434960900. | .753784E+0 | -.611389E+0 | .188922E-1 | .250051E-1 | .193709E-1 |
| .244705E-1 | .736359E+0 | -.613037E+0 |            |            |            |
| 434973400. | .752686E+0 | -.612793E+0 | .183773E-1 | .242325E-1 | .188493E-1 |
| .237018E-1 | .735382E+0 | -.614502E+0 |            |            |            |
| 434985900. | .751770E+0 | -.613953E+0 | .178920E-1 | .235009E-1 | .183338E-1 |
| .229843E-1 | .734253E+0 | -.615662E+0 |            |            |            |
| 434998400. | .750916E+0 | -.615295E+0 | .174259E-1 | .227902E-1 | .178477E-1 |
| .222968E-1 | .733124E+0 | -.617065E+0 |            |            |            |
| 435010900. | .749695E+0 | -.616516E+0 | .169553E-1 | .221294E-1 | .173632E-1 |
| .216386E-1 | .732056E+0 | -.617889E+0 |            |            |            |
| 435023500. | .748596E+0 | -.617676E+0 | .165187E-1 | .214942E-1 | .169044E-1 |
| .210287E-1 | .731018E+0 | -.619171E+0 |            |            |            |
| 435036000. | .747864E+0 | -.618713E+0 | .160662E-1 | .208832E-1 | .164566E-1 |
| .204216E-1 | .730042E+0 | -.620209E+0 |            |            |            |
| 435048500. | .746704E+0 | -.619690E+0 | .156414E-1 | .203068E-1 | .160239E-1 |
| .198404E-1 | .729065E+0 | -.621094E+0 |            |            |            |
| 435061000. | .745850E+0 | -.620789E+0 | .152154E-1 | .197453E-1 | .155881E-1 |
| .193088E-1 | .728088E+0 | -.622437E+0 |            |            |            |
| 435073500. | .744995E+0 | -.621643E+0 | .147917E-1 | .192064E-1 | .151539E-1 |
| .187893E-1 | .727173E+0 | -.623352E+0 |            |            |            |
| 435086000. | .744141E+0 | -.622803E+0 | .143941E-1 | .186980E-1 | .147370E-1 |
| .182864E-1 | .726105E+0 | -.624542E+0 |            |            |            |
| 435098500. | .743103E+0 | -.623535E+0 | .139735E-1 | .182094E-1 | .143250E-1 |
| .178088E-1 | .725311E+0 | -.625641E+0 |            |            |            |
| 435111000. | .742371E+0 | -.624573E+0 | .135506E-1 | .177383E-1 | .138986E-1 |
| .173452E-1 | .724365E+0 | -.626251E+0 |            |            |            |
| 435123600. | .741272E+0 | -.625671E+0 | .131368E-1 | .173003E-1 | .134597E-1 |
| .169011E-1 | .723206E+0 | -.626923E+0 |            |            |            |
| 435136100. | .740417E+0 | -.626404E+0 | .127147E-1 | .168647E-1 | .130321E-1 |
| .164941E-1 | .722260E+0 | -.628052E+0 |            |            |            |
| 435148600. | .739563E+0 | -.627258E+0 | .122803E-1 | .164875E-1 | .125978E-1 |
| .161177E-1 | .721405E+0 | -.628937E+0 |            |            |            |
| 435161100. | .738647E+0 | -.627930E+0 | .118283E-1 | .161076E-1 | .121346E-1 |
| .157651E-1 | .720337E+0 | -.629364E+0 |            |            |            |
| 435173600. | .737793E+0 | -.628723E+0 | .113706E-1 | .157880E-1 | .116767E-1 |
| .154428E-1 | .719299E+0 | -.630219E+0 |            |            |            |
| 435186100. | .736816E+0 | -.629517E+0 | .108731E-1 | .154957E-1 | .111746E-1 |
| .151533E-1 | .718109E+0 | -.631073E+0 |            |            |            |
| 435198600. | .735718E+0 | -.630066E+0 | .103632E-1 | .152606E-1 | .106532E-1 |
| .149428E-1 | .716888E+0 | -.631622E+0 |            |            |            |
| 435211100. | .734863E+0 | -.630737E+0 | .982103E-2 | .151185E-1 | .101128E-1 |
| .148125E-1 | .715820E+0 | -.631744E+0 |            |            |            |
| 435223600. | .733856E+0 | -.631012E+0 | .931008E-2 | .150759E-1 | .960589E-2 |
| .148039E-1 | .714996E+0 | -.632141E+0 |            |            |            |
| 435236200. | .732849E+0 | -.631317E+0 | .886950E-2 | .151328E-1 | .916685E-2 |
| .148576E-1 | .714203E+0 | -.632233E+0 |            |            |            |

|            |            |             |            |            |            |
|------------|------------|-------------|------------|------------|------------|
| 435248700. | .731995E+0 | -.631714E+0 | .850162E-2 | .151941E-1 | .879353E-2 |
| .149319E-1 | .713684E+0 | -.632477E+0 |            |            |            |
| 435261200. | .731018E+0 | -.631866E+0 | .811896E-2 | .153048E-1 | .842423E-2 |
| .150365E-1 | .713104E+0 | -.633026E+0 |            |            |            |
| 435273700. | .730408E+0 | -.631989E+0 | .776310E-2 | .154883E-1 | .807034E-2 |
| .152294E-1 | .712341E+0 | -.633362E+0 |            |            |            |
| 435286200. | .729919E+0 | -.631989E+0 | .746146E-2 | .157787E-1 | .777968E-2 |
| .155280E-1 | .711609E+0 | -.633698E+0 |            |            |            |
| 435298700. | .729340E+0 | -.631958E+0 | .729060E-2 | .161845E-1 | .761680E-2 |
| .159410E-1 | .711029E+0 | -.633881E+0 |            |            |            |
| 435311200. | .728943E+0 | -.631989E+0 | .727250E-2 | .166387E-1 | .761045E-2 |
| .163702E-1 | .710266E+0 | -.633972E+0 |            |            |            |
| 435323700. | .728729E+0 | -.631683E+0 | .745565E-2 | .170640E-1 | .779438E-2 |
| .168108E-1 | .709961E+0 | -.633972E+0 |            |            |            |
| 435336300. | .728790E+0 | -.631989E+0 | .778233E-2 | .174155E-1 | .812999E-2 |
| .171471E-1 | .709808E+0 | -.634125E+0 |            |            |            |
| 435348800. | .729034E+0 | -.632141E+0 | .823169E-2 | .176341E-1 | .857456E-2 |
| .173532E-1 | .709503E+0 | -.634247E+0 |            |            |            |
| 435361300. | .729095E+0 | -.632599E+0 | .872088E-2 | .177024E-1 | .908076E-2 |
| .174208E-1 | .709656E+0 | -.634521E+0 |            |            |            |
| 435373800. | .729156E+0 | -.633209E+0 | .924556E-2 | .176458E-1 | .959675E-2 |
| .173451E-1 | .709442E+0 | -.634857E+0 |            |            |            |
| 435386300. | .729095E+0 | -.633759E+0 | .970177E-2 | .174659E-1 | .100476E-1 |
| .171603E-1 | .709534E+0 | -.635559E+0 |            |            |            |
| 435398800. | .728943E+0 | -.634613E+0 | .101077E-1 | .172185E-1 | .104441E-1 |
| .168852E-1 | .709167E+0 | -.636139E+0 |            |            |            |
| 435411300. | .728943E+0 | -.635590E+0 | .104570E-1 | .169087E-1 | .107902E-1 |
| .165758E-1 | .709015E+0 | -.636902E+0 |            |            |            |
| 435423800. | .728882E+0 | -.636292E+0 | .107333E-1 | .165810E-1 | .110524E-1 |
| .162469E-1 | .708801E+0 | -.637360E+0 |            |            |            |
| 435436400. | .728455E+0 | -.637115E+0 | .109700E-1 | .162494E-1 | .112769E-1 |
| .159034E-1 | .708313E+0 | -.638123E+0 |            |            |            |
| 435448900. | .727966E+0 | -.638031E+0 | .111371E-1 | .159216E-1 | .114438E-1 |
| .155784E-1 | .707977E+0 | -.638885E+0 |            |            |            |
| 435461400. | .727692E+0 | -.638641E+0 | .112918E-1 | .156033E-1 | .115804E-1 |
| .152603E-1 | .707642E+0 | -.639648E+0 |            |            |            |
| 435473900. | .727173E+0 | -.639282E+0 | .114042E-1 | .153068E-1 | .116912E-1 |
| .149694E-1 | .707214E+0 | -.640106E+0 |            |            |            |
| 435486400. | .726563E+0 | -.640106E+0 | .115198E-1 | .150319E-1 | .117944E-1 |
| .146760E-1 | .706665E+0 | -.640839E+0 |            |            |            |
| 435498900. | .726135E+0 | -.641022E+0 | .116126E-1 | .147719E-1 | .118834E-1 |
| .144187E-1 | .706207E+0 | -.641479E+0 |            |            |            |
| 435511400. | .725525E+0 | -.641693E+0 | .117121E-1 | .145421E-1 | .119789E-1 |
| .141863E-1 | .705505E+0 | -.642029E+0 |            |            |            |
| 435523900. | .725189E+0 | -.642242E+0 | .117957E-1 | .143282E-1 | .120527E-1 |
| .139647E-1 | .705078E+0 | -.643005E+0 |            |            |            |
| 435536400. | .724335E+0 | -.643036E+0 | .118846E-1 | .141243E-1 | .121364E-1 |
| .137819E-1 | .704346E+0 | -.643341E+0 |            |            |            |
| 435549000. | .723907E+0 | -.643524E+0 | .119983E-1 | .139459E-1 | .122446E-1 |
| .135972E-1 | .703735E+0 | -.643982E+0 |            |            |            |
| 435561500. | .723083E+0 | -.644043E+0 | .121086E-1 | .137844E-1 | .123456E-1 |
| .134387E-1 | .703522E+0 | -.644470E+0 |            |            |            |
| 435574000. | .722626E+0 | -.644775E+0 | .122198E-1 | .136583E-1 | .124676E-1 |
| .132806E-1 | .702515E+0 | -.644867E+0 |            |            |            |
| 435586500. | .721924E+0 | -.645325E+0 | .123750E-1 | .135345E-1 | .126213E-1 |
| .131745E-1 | .702057E+0 | -.645508E+0 |            |            |            |

|            |            |             |            |             |              |
|------------|------------|-------------|------------|-------------|--------------|
| 435599000. | .721222E+0 | -.645905E+0 | .125527E-1 | .134152E-1  | .127883E-1   |
| .130526E-1 | .701385E+0 | -.645966E+0 |            |             |              |
| 435611500. | .720551E+0 | -.646454E+0 | .127460E-1 | .133119E-1  | .129609E-1   |
| .129512E-1 | .700653E+0 | -.646484E+0 |            |             |              |
| 435624000. | .719879E+0 | -.647095E+0 | .129766E-1 | .132448E-1  | .132044E-1   |
| .128693E-1 | .699982E+0 | -.647186E+0 |            |             |              |
| 435636500. | .719116E+0 | -.647400E+0 | .132319E-1 | .131743E-1  | .134591E-1   |
| .127966E-1 | .699005E+0 | -.647705E+0 |            |             |              |
| 435649100. | .718201E+0 | -.648254E+0 | .135297E-1 | .131119E-1  | .137674E-1   |
| .127317E-1 | .698364E+0 | -.648163E+0 |            |             |              |
| 435661600. | .717407E+0 | -.648712E+0 | .138925E-1 | .130652E-1  | .141083E-1   |
| .126597E-1 | .697784E+0 | -.648590E+0 |            |             |              |
| 435674100. | .716461E+0 | -.649292E+0 | .142989E-1 | .130266E-1  | .145227E-1   |
| .126053E-1 | .696899E+0 | -.648926E+0 |            |             |              |
| 435686600. | .715759E+0 | -.649689E+0 | .147716E-1 | .129784E-1  | .149827E-1   |
| .125563E-1 | .695801E+0 | -.649323E+0 |            |             |              |
| 435699100. | .714508E+0 | -.650299E+0 | .153361E-1 | .129248E-1  | .155370E-1   |
| .124898E-1 | .695007E+0 | -.649933E+0 |            |             |              |
| 435711600. | .713318E+0 | -.650696E+0 | .159834E-1 | .128855E-1  | .161675E-1   |
| .124286E-1 | .693726E+0 | -.650269E+0 |            |             |              |
| 435724100. | .712036E+0 | -.651245E+0 | .167346E-1 | .127920E-1  | .169341E-1   |
| .123351E-1 | .692383E+0 | -.650726E+0 |            |             |              |
| 435736600. | .710693E+0 | -.651520E+0 | .176491E-1 | .126727E-1  | .178248E-1   |
| .122015E-1 | .691284E+0 | -.650818E+0 |            |             |              |
| 435749200. | .709320E+0 | -.651733E+0 | .187071E-1 | .124895E-1  | .188807E-1   |
| .120012E-1 | .689697E+0 | -.651031E+0 |            |             |              |
| 435761700. | .707275E+0 | -.651886E+0 | .199696E-1 | .122098E-1  | .201260E-1   |
| .116807E-1 | .688110E+0 | -.651123E+0 |            |             |              |
| 435774200. | .705597E+0 | -.651855E+0 | .214646E-1 | .117654E-1  | .216004E-1   |
| .111958E-1 | .686279E+0 | -.651001E+0 |            |             |              |
| 435786700. | .703003E+0 | -.651550E+0 | .232240E-1 | .110438E-1  | .233416E-1   |
| .104377E-1 | .684174E+0 | -.650452E+0 |            |             |              |
| 435799200. | .700653E+0 | -.650726E+0 | .252844E-1 | .991898E-2  | .253672E-1   |
| .929710E-2 | .681946E+0 | -.649841E+0 |            |             |              |
| 435811700. | .697784E+0 | -.649261E+0 | .275848E-1 | .819451E-2  | .276029E-1   |
| .751833E-2 | .679352E+0 | -.648499E+0 |            |             |              |
| 435824200. | .694855E+0 | -.646942E+0 | .300060E-1 | .557239E-2  | .299509E-1   |
| .485005E-2 | .676849E+0 | -.645844E+0 |            |             |              |
| 435836700. | .692322E+0 | -.643372E+0 | .321892E-1 | .174845E-2  | .320219E-1   |
| .101267E-2 | .674622E+0 | -.642609E+0 |            |             |              |
| 435849200. | .690857E+0 | -.638245E+0 | .334402E-1 | -.340857E-2 | .331631E-1 - |
| .414610E-2 | .673370E+0 | -.637817E+0 |            |             |              |
| 435861800. | .691132E+0 | -.632385E+0 | .328833E-1 | -.956698E-2 | .324814E-1 - |
| .102444E-1 | .674194E+0 | -.632355E+0 |            |             |              |
| 435874300. | .694000E+0 | -.626495E+0 | .298609E-1 | -.156385E-1 | .293191E-1 - |
| .162224E-1 | .677460E+0 | -.627106E+0 |            |             |              |
| 435886800. | .699158E+0 | -.622284E+0 | .246633E-1 | -.201605E-1 | .240741E-1 - |
| .205868E-1 | .682281E+0 | -.623718E+0 |            |             |              |
| 435899300. | .705383E+0 | -.620544E+0 | .185394E-1 | -.222495E-1 | .179237E-1 - |
| .225331E-1 | .687805E+0 | -.622375E+0 |            |             |              |
| 435911800. | .711029E+0 | -.621368E+0 | .128539E-1 | -.221432E-1 | .122855E-1 - |
| .222998E-1 | .693085E+0 | -.623413E+0 |            |             |              |
| 435924300. | .715271E+0 | -.623413E+0 | .834407E-2 | -.206442E-1 | .782033E-2 - |
| .207096E-1 | .696899E+0 | -.625610E+0 |            |             |              |
| 435936800. | .718445E+0 | -.626221E+0 | .507194E-2 | -.185538E-1 | .461209E-2 - |
| .185358E-1 | .699463E+0 | -.628479E+0 |            |             |              |

|            |            |             |             |             |             |   |
|------------|------------|-------------|-------------|-------------|-------------|---|
| 435949300. | .720123E+0 | -.628937E+0 | .281319E-2  | -.163451E-1 | .241609E-2  | - |
| .163033E-1 | .701019E+0 | -.631348E+0 |             |             |             |   |
| 435961900. | .721527E+0 | -.631531E+0 | .129800E-2  | -.142971E-1 | .944676E-3  | - |
| .142345E-1 | .701691E+0 | -.633636E+0 |             |             |             |   |
| 435974400. | .721863E+0 | -.633942E+0 | .303570E-3  | -.124700E-1 | .422937E-5  | - |
| .124066E-1 | .702087E+0 | -.635712E+0 |             |             |             |   |
| 435986900. | .722137E+0 | -.636139E+0 | -.355133E-3 | -.108936E-1 | -.603056E-3 | - |
| .108288E-1 | .702209E+0 | -.637726E+0 |             |             |             |   |
| 435999400. | .722290E+0 | -.637939E+0 | -.785813E-3 | -.955165E-2 | -.100609E-2 | - |
| .947909E-2 | .702057E+0 | -.639343E+0 |             |             |             |   |
| 436011900. | .721954E+0 | -.639587E+0 | -.106889E-2 | -.842049E-2 | -.126181E-2 | - |
| .833412E-2 | .701996E+0 | -.640869E+0 |             |             |             |   |
| 436024400. | .721741E+0 | -.640839E+0 | -.125581E-2 | -.743592E-2 | -.141134E-2 | - |
| .735979E-2 | .701385E+0 | -.642212E+0 |             |             |             |   |
| 436036900. | .721405E+0 | -.642303E+0 | -.135802E-2 | -.660568E-2 | -.150551E-2 | - |
| .653329E-2 | .701172E+0 | -.643341E+0 |             |             |             |   |
| 436049400. | .721130E+0 | -.643372E+0 | -.142655E-2 | -.590300E-2 | -.156179E-2 | - |
| .583344E-2 | .700714E+0 | -.644165E+0 |             |             |             |   |
| 436062000. | .720734E+0 | -.644470E+0 | -.147250E-2 | -.528728E-2 | -.158572E-2 | - |
| .521716E-2 | .700439E+0 | -.645447E+0 |             |             |             |   |
| 436074500. | .720398E+0 | -.645111E+0 | -.149805E-2 | -.475800E-2 | -.159935E-2 | - |
| .470836E-2 | .699951E+0 | -.646118E+0 |             |             |             |   |
| 436087000. | .719940E+0 | -.646210E+0 | -.151059E-2 | -.430492E-2 | -.159849E-2 | - |
| .423920E-2 | .699493E+0 | -.647064E+0 |             |             |             |   |
| 436099500. | .719452E+0 | -.647003E+0 | -.152576E-2 | -.392111E-2 | -.160869E-2 | - |
| .385617E-2 | .698883E+0 | -.647522E+0 |             |             |             |   |
| 436112000. | .719147E+0 | -.647827E+0 | -.153359E-2 | -.357962E-2 | -.161201E-2 | - |
| .352005E-2 | .698395E+0 | -.648346E+0 |             |             |             |   |
| 436124500. | .718506E+0 | -.648315E+0 | -.154429E-2 | -.327842E-2 | -.161940E-2 | - |
| .322651E-2 | .698212E+0 | -.648956E+0 |             |             |             |   |
| 436137000. | .718109E+0 | -.649109E+0 | -.156387E-2 | -.303594E-2 | -.162166E-2 | - |
| .296981E-2 | .697662E+0 | -.649536E+0 |             |             |             |   |
| 436149500. | .717834E+0 | -.649628E+0 | -.158373E-2 | -.282073E-2 | -.164814E-2 | - |
| .275828E-2 | .697266E+0 | -.650146E+0 |             |             |             |   |
| 436162000. | .717224E+0 | -.650330E+0 | -.162133E-2 | -.261566E-2 | -.166897E-2 | - |
| .256578E-2 | .696869E+0 | -.650421E+0 |             |             |             |   |
| 436174600. | .716797E+0 | -.650818E+0 | -.164465E-2 | -.246503E-2 | -.169538E-2 | - |
| .240203E-2 | .696381E+0 | -.651123E+0 |             |             |             |   |
| 436187100. | .716309E+0 | -.651154E+0 | -.168058E-2 | -.231478E-2 | -.173229E-2 | - |
| .226746E-2 | .695862E+0 | -.651581E+0 |             |             |             |   |
| 436199600. | .715881E+0 | -.651825E+0 | -.173870E-2 | -.220367E-2 | -.178061E-2 | - |
| .215526E-2 | .695587E+0 | -.651978E+0 |             |             |             |   |
| 436212100. | .715546E+0 | -.652283E+0 | -.178219E-2 | -.212217E-2 | -.182761E-2 | - |
| .205668E-2 | .695282E+0 | -.652435E+0 |             |             |             |   |
| 436224600. | .715118E+0 | -.652649E+0 | -.184855E-2 | -.203287E-2 | -.189769E-2 | - |
| .198452E-2 | .694702E+0 | -.652832E+0 |             |             |             |   |
| 436237100. | .714691E+0 | -.653076E+0 | -.193486E-2 | -.197700E-2 | -.197443E-2 | - |
| .191973E-2 | .694366E+0 | -.653046E+0 |             |             |             |   |
| 436249600. | .714264E+0 | -.653564E+0 | -.201454E-2 | -.193113E-2 | -.205518E-2 | - |
| .186833E-2 | .694000E+0 | -.653473E+0 |             |             |             |   |
| 436262100. | .713806E+0 | -.653778E+0 | -.211845E-2 | -.190589E-2 | -.215541E-2 | - |
| .185517E-2 | .693481E+0 | -.654053E+0 |             |             |             |   |
| 436274700. | .713562E+0 | -.654358E+0 | -.223309E-2 | -.189412E-2 | -.225737E-2 | - |
| .183820E-2 | .693207E+0 | -.654297E+0 |             |             |             |   |
| 436287200. | .712860E+0 | -.654938E+0 | -.235769E-2 | -.190975E-2 | -.238446E-2 | - |
| .183639E-2 | .692688E+0 | -.654785E+0 |             |             |             |   |

|            |            |             |             |             |             |   |
|------------|------------|-------------|-------------|-------------|-------------|---|
| 436299700. | .712372E+0 | -.655273E+0 | -.249002E-2 | -.192852E-2 | -.253071E-2 | - |
| .184977E-2 | .692230E+0 | -.655121E+0 |             |             |             |   |
| 436312200. | .711914E+0 | -.655548E+0 | -.265736E-2 | -.196466E-2 | -.268833E-2 | - |
| .189389E-2 | .691589E+0 | -.655792E+0 |             |             |             |   |
| 436324700. | .711517E+0 | -.655975E+0 | -.282802E-2 | -.201081E-2 | -.286074E-2 | - |
| .193357E-2 | .691315E+0 | -.655792E+0 |             |             |             |   |
| 436337200. | .711060E+0 | -.656311E+0 | -.303593E-2 | -.207498E-2 | -.306888E-2 | - |
| .200487E-2 | .690948E+0 | -.656372E+0 |             |             |             |   |
| 436349700. | .710419E+0 | -.656708E+0 | -.326175E-2 | -.215954E-2 | -.328817E-2 | - |
| .207342E-2 | .690369E+0 | -.656799E+0 |             |             |             |   |
| 436362200. | .710083E+0 | -.657227E+0 | -.351584E-2 | -.225064E-2 | -.355256E-2 | - |
| .214913E-2 | .689758E+0 | -.656891E+0 |             |             |             |   |
| 436374800. | .709412E+0 | -.657410E+0 | -.380372E-2 | -.236099E-2 | -.383032E-2 | - |
| .225693E-2 | .689178E+0 | -.657379E+0 |             |             |             |   |
| 436387300. | .708771E+0 | -.657898E+0 | -.412819E-2 | -.249351E-2 | -.416135E-2 | - |
| .236863E-2 | .688446E+0 | -.657806E+0 |             |             |             |   |
| 436399800. | .708160E+0 | -.658295E+0 | -.450987E-2 | -.261938E-2 | -.454308E-2 | - |
| .249645E-2 | .687744E+0 | -.658325E+0 |             |             |             |   |
| 436412300. | .707642E+0 | -.658783E+0 | -.492802E-2 | -.277397E-2 | -.495848E-2 | - |
| .263647E-2 | .687195E+0 | -.658508E+0 |             |             |             |   |
| 436424800. | .706604E+0 | -.659241E+0 | -.541923E-2 | -.294240E-2 | -.545497E-2 | - |
| .279164E-2 | .686249E+0 | -.658997E+0 |             |             |             |   |