

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-3000	5,383277E+21	8,668750E+21	1,108894E+22	1,108867E+22	8,668183E+21	5,382732E+21	2,418958E+21	5,711196E+20	2,801444E+19	2,802940E+19	5,712862E+20	2,419232E+21
-2999	5,382883E+21	8,667941E+21	1,108806E+22	1,108841E+22	8,668477E+21	5,383195E+21	2,419347E+21	5,713222E+20	2,804234E+19	2,803664E+19	5,712332E+20	2,419085E+21
-2998	5,382781E+21	8,668083E+21	1,108810E+22	1,108812E+22	8,668167E+21	5,382986E+21	2,419286E+21	5,713715E+20	2,806513E+19	2,806939E+19	5,714251E+20	2,419463E+21
-2997	5,383150E+21	8,668104E+21	1,108772E+22	1,108748E+22	8,667657E+21	5,382744E+21	2,419195E+21	5,713528E+20	2,807390E+19	2,808299E+19	5,714479E+20	2,419273E+21
-2996	5,382634E+21	8,667319E+21	1,108700E+22	1,108720E+22	8,667715E+21	5,383017E+21	2,419560E+21	5,715967E+20	2,811030E+19	2,810184E+19	5,714585E+20	2,419270E+21
-2995	5,382793E+21	8,667683E+21	1,108716E+22	1,108695E+22	8,667245E+21	5,382526E+21	2,419263E+21	5,715323E+20	2,812043E+19	2,812896E+19	5,716598E+20	2,419580E+21
-2994	5,382875E+21	8,667333E+21	1,108656E+22	1,108655E+22	8,667242E+21	5,382683E+21	2,419370E+21	5,715724E+20	2,812896E+19	2,813290E+19	5,715983E+20	2,419315E+21
-2993	5,382433E+21	8,666968E+21	1,108649E+22	1,108663E+22	8,667352E+21	5,382846E+21	2,419567E+21	5,717008E+20	2,814354E+19	2,813786E+19	5,716239E+20	2,419519E+21
-2992	5,382966E+21	8,667557E+21	1,108677E+22	1,108652E+22	8,666992E+21	5,382420E+21	2,419221E+21	5,715358E+20	2,813097E+19	2,814218E+19	5,717020E+20	2,419558E+21
-2991	5,382753E+21	8,667093E+21	1,108631E+22	1,108652E+22	8,667391E+21	5,382885E+21	2,419521E+21	5,716240E+20	2,812760E+19	2,812311E+19	5,715256E+20	2,419235E+21
-2990	5,382514E+21	8,667327E+21	1,108692E+22	1,108693E+22	8,667489E+21	5,382842E+21	2,419483E+21	5,716184E+20	2,812519E+19	2,811803E+19	5,715686E+20	2,419502E+21
-2989	5,383000E+21	8,667731E+21	1,108719E+22	1,108699E+22	8,667331E+21	5,382579E+21	2,419204E+21	5,714336E+20	2,809770E+19	2,810588E+19	5,715282E+20	2,419320E+21
-2988	5,382596E+21	8,667207E+21	1,108691E+22	1,108727E+22	8,667840E+21	5,383032E+21	2,419488E+21	5,715212E+20	2,809009E+19	2,808003E+19	5,713802E+20	2,419195E+21
-2987	5,382753E+21	8,667845E+21	1,108765E+22	1,108760E+22	8,667760E+21	5,382750E+21	2,419210E+21	5,713764E+20	2,807350E+19	2,807664E+19	5,714667E+20	2,419508E+21
-2986	5,383123E+21	8,668005E+21	1,108770E+22	1,108765E+22	8,667858E+21	5,382830E+21	2,419162E+21	5,712686E+20	2,804593E+19	2,805429E+19	5,713271E+20	2,419187E+21
-2985	5,382745E+21	8,667824E+21	1,108791E+22	1,108804E+22	8,668173E+21	5,383103E+21	2,419392E+21	5,713787E+20	2,805060E+19	2,803951E+19	5,712531E+20	2,419224E+21
-2984	5,383158E+21	8,668528E+21	1,108848E+22	1,108819E+22	8,667908E+21	5,382668E+21	2,419035E+21	5,712177E+20	2,803776E+19	2,804861E+19	5,713582E+20	2,419335E+21
-2983	5,383009E+21	8,668103E+21	1,108800E+22	1,108808E+22	8,668178E+21	5,383002E+21	2,419244E+21	5,712860E+20	2,804044E+19	2,803888E+19	5,712435E+20	2,419054E+21
-2982	5,382621E+21	8,667903E+21	1,108812E+22	1,108823E+22	8,668268E+21	5,383075E+21	2,419360E+21	5,714006E+20	2,806385E+19	2,805800E+19	5,713411E+20	2,419342E+21
-2981	5,383118E+21	8,668203E+21	1,108804E+22	1,108786E+22	8,667805E+21	5,382682E+21	2,419088E+21	5,712876E+20	2,806034E+19	2,807447E+19	5,714476E+20	2,419350E+21
-2980	5,382802E+21	8,667490E+21	1,108713E+22	1,108740E+22	8,667898E+21	5,383040E+21	2,419453E+21	5,714905E+20	2,808892E+19	2,808287E+19	5,713967E+20	2,419189E+21
-2979	5,382663E+21	8,667643E+21	1,108729E+22	1,108720E+22	8,667550E+21	5,382775E+21	2,419375E+21	5,715339E+20	2,811008E+19	2,811439E+19	5,715793E+20	2,419542E+21
-2978	5,382997E+21	8,667626E+21	1,108692E+22	1,108667E+22	8,667153E+21	5,382566E+21	2,419277E+21	5,715157E+20	2,812018E+19	2,813046E+19	5,716216E+20	2,419365E+21
-2977	5,382475E+21	8,666897E+21	1,108631E+22	1,108646E+22	8,667257E+21	5,382837E+21	2,419610E+21	5,717397E+20	2,815310E+19	2,814569E+19	5,716203E+20	2,419382E+21
-2976	5,382677E+21	8,667250E+21	1,108644E+22	1,108625E+22	8,666861E+21	5,382404E+21	2,419320E+21	5,716612E+20	2,816031E+19	2,817080E+19	5,718117E+20	2,419678E+21
-2975	5,382757E+21	8,666877E+21	1,108577E+22	1,108578E+22	8,666838E+21	5,382591E+21	2,419467E+21	5,717143E+20	2,816842E+19	2,817243E+19	5,717422E+20	2,419420E+21
-2974	5,382346E+21	8,666557E+21	1,108574E+22	1,108595E+22	8,667042E+21	5,382794E+21	2,419676E+21	5,718472E+20	2,818308E+19	2,817516E+19	5,717433E+20	2,419569E+21
-2973	5,382849E+21	8,667190E+21	1,108610E+22	1,108585E+22	8,666659E+21	5,382381E+21	2,419349E+21	5,716863E+20	2,816974E+19	2,817825E+19	5,718207E+20	2,419609E+21
-2972	5,382621E+21	8,666718E+21	1,108565E+22	1,108579E+22	8,666929E+21	5,382734E+21	2,419598E+21	5,717604E+20	2,816490E+19	2,815961E+19	5,716553E+20	2,419300E+21
-2971	5,382342E+21	8,666865E+21	1,108626E+22	1,108629E+22	8,667068E+21	5,382677E+21	2,419528E+21	5,717313E+20	2,815838E+19	2,815259E+19	5,716965E+20	2,419587E+21
-2970	5,382882E+21	8,667297E+21	1,108650E+22	1,108637E+22	8,667003E+21	5,382481E+21	2,419252E+21	5,715364E+20	2,812869E+19	2,813991E+19	5,716640E+20	2,419434E+21
-2969	5,382560E+21	8,666946E+21	1,108636E+22	1,108664E+22	8,667461E+21	5,382909E+21	2,419523E+21	5,716113E+20	2,811755E+19	2,810820E+19	5,714847E+20	2,419288E+21
-2968	5,382756E+21	8,667638E+21	1,108716E+22	1,108703E+22	8,667418E+21	5,382650E+21	2,419261E+21	5,714721E+20	2,810134E+19	2,810453E+19	5,715550E+20	2,419535E+21
-2967	5,383034E+21	8,667743E+21	1,108719E+22	1,108705E+22	8,667474E+21	5,382719E+21	2,419246E+21	5,713955E+20	2,807925E+19	2,808512E+19	5,714285E+20	2,419217E+21
-2966	5,382584E+21	8,667437E+21	1,108735E+22	1,108756E+22	8,667909E+21	5,383019E+21	2,419479E+21	5,715207E+20	2,808959E+19	2,807592E+19	5,713676E+20	2,419246E+21
-2965	5,382956E+21	8,668052E+21	1,108780E+22	1,108762E+22	8,667653E+21	5,382628E+21	2,419142E+21	5,713673E+20	2,807874E+19	2,808891E+19	5,715025E+20	2,419420E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2964	5,382859E+21	8,667611E+21	1,108719E+22	1,108726E+22	8,667727E+21	5,382882E+21	2,419329E+21	5,714323E+20	2,808303E+19	2,808280E+19	5,714101E+20	2,419181E+21
-2963	5,382501E+21	8,667386E+21	1,108727E+22	1,108739E+22	8,667764E+21	5,382933E+21	2,419448E+21	5,715430E+20	2,810485E+19	2,810158E+19	5,715006E+20	2,419456E+21
-2962	5,383032E+21	8,667750E+21	1,108717E+22	1,108698E+22	8,667327E+21	5,382564E+21	2,419189E+21	5,714428E+20	2,810387E+19	2,811965E+19	5,716137E+20	2,419453E+21
-2961	5,382712E+21	8,667161E+21	1,108644E+22	1,108654E+22	8,667337E+21	5,382858E+21	2,419533E+21	5,716457E+20	2,813271E+19	2,812641E+19	5,715496E+20	2,419277E+21
-2960	5,382544E+21	8,667229E+21	1,108658E+22	1,108644E+22	8,667055E+21	5,382592E+21	2,419442E+21	5,716883E+20	2,815485E+19	2,815941E+19	5,717348E+20	2,419607E+21
-2959	5,382804E+21	8,667081E+21	1,108606E+22	1,108584E+22	8,666679E+21	5,382408E+21	2,419363E+21	5,716819E+20	2,816731E+19	2,817716E+19	5,717944E+20	2,419484E+21
-2958	5,382325E+21	8,666341E+21	1,108544E+22	1,108572E+22	8,666900E+21	5,382742E+21	2,419702E+21	5,719000E+20	2,819948E+19	2,819147E+19	5,717801E+20	2,419489E+21
-2957	5,382571E+21	8,666778E+21	1,108561E+22	1,108547E+22	8,666490E+21	5,382358E+21	2,419447E+21	5,718215E+20	2,820396E+19	2,821319E+19	5,719617E+20	2,419785E+21
-2956	5,382688E+21	8,666507E+21	1,108500E+22	1,108491E+22	8,666331E+21	5,382461E+21	2,419566E+21	5,718642E+20	2,820957E+19	2,821282E+19	5,718811E+20	2,419498E+21
-2955	5,382234E+21	8,666187E+21	1,108511E+22	1,108524E+22	8,666559E+21	5,382644E+21	2,419759E+21	5,719808E+20	2,821991E+19	2,821188E+19	5,718658E+20	2,419610E+21
-2954	5,382693E+21	8,666770E+21	1,108546E+22	1,108524E+22	8,666308E+21	5,382271E+21	2,419420E+21	5,718123E+20	2,820529E+19	2,821467E+19	5,719516E+20	2,419664E+21
-2953	5,382478E+21	8,666378E+21	1,108510E+22	1,108521E+22	8,666576E+21	5,382605E+21	2,419633E+21	5,718606E+20	2,819515E+19	2,819112E+19	5,717750E+20	2,419391E+21
-2952	5,382265E+21	8,666509E+21	1,108568E+22	1,108572E+22	8,666746E+21	5,382574E+21	2,419564E+21	5,718203E+20	2,818624E+19	2,818202E+19	5,718030E+20	2,419652E+21
-2951	5,382790E+21	8,666915E+21	1,108584E+22	1,108573E+22	8,666652E+21	5,382395E+21	2,419328E+21	5,716444E+20	2,815782E+19	2,816874E+19	5,717713E+20	2,419517E+21
-2950	5,382510E+21	8,666638E+21	1,108579E+22	1,108610E+22	8,667181E+21	5,382838E+21	2,419604E+21	5,717306E+20	2,815010E+19	2,813836E+19	5,715795E+20	2,419321E+21
-2949	5,382661E+21	8,667353E+21	1,108664E+22	1,108647E+22	8,667098E+21	5,382593E+21	2,419372E+21	5,716112E+20	2,813716E+19	2,813778E+19	5,716654E+20	2,419577E+21
-2948	5,382895E+21	8,667382E+21	1,108660E+22	1,108640E+22	8,667041E+21	5,382563E+21	2,419314E+21	5,715338E+20	2,811822E+19	2,812332E+19	5,715661E+20	2,419290E+21
-2947	5,382423E+21	8,666963E+21	1,108666E+22	1,108690E+22	8,667499E+21	5,382874E+21	2,419536E+21	5,716482E+20	2,812786E+19	2,811647E+19	5,715172E+20	2,419338E+21
-2946	5,382821E+21	8,667552E+21	1,108699E+22	1,108689E+22	8,667291E+21	5,382542E+21	2,419220E+21	5,715000E+20	2,811803E+19	2,813127E+19	5,716644E+20	2,419539E+21
-2945	5,382794E+21	8,667256E+21	1,108647E+22	1,108646E+22	8,667256E+21	5,382747E+21	2,419398E+21	5,715614E+20	2,812110E+19	2,812247E+19	5,715579E+20	2,419298E+21
-2944	5,382461E+21	8,667029E+21	1,108655E+22	1,108660E+22	8,667287E+21	5,382797E+21	2,419527E+21	5,716812E+20	2,814422E+19	2,814165E+19	5,716354E+20	2,419506E+21
-2943	5,382879E+21	8,667311E+21	1,108641E+22	1,108616E+22	8,666814E+21	5,382416E+21	2,419298E+21	5,716093E+20	2,814851E+19	2,816272E+19	5,717659E+20	2,419528E+21
-2942	5,382540E+21	8,666647E+21	1,108565E+22	1,108583E+22	8,666929E+21	5,382716E+21	2,419624E+21	5,718166E+20	2,818104E+19	2,817303E+19	5,717063E+20	2,419344E+21
-2941	5,382364E+21	8,666702E+21	1,108574E+22	1,108566E+22	8,666659E+21	5,382506E+21	2,419557E+21	5,718617E+20	2,820291E+19	2,820671E+19	5,719080E+20	2,419727E+21
-2940	5,382676E+21	8,666573E+21	1,108517E+22	1,108494E+22	8,666155E+21	5,382256E+21	2,419453E+21	5,718446E+20	2,821438E+19	2,822484E+19	5,719714E+20	2,419622E+21
-2939	5,382234E+21	8,665858E+21	1,108459E+22	1,108487E+22	8,666399E+21	5,382607E+21	2,419796E+21	5,720469E+20	2,824151E+19	2,823520E+19	5,719356E+20	2,419588E+21
-2938	5,382490E+21	8,666382E+21	1,108484E+22	1,108469E+22	8,666069E+21	5,382273E+21	2,419561E+21	5,719744E+20	2,824561E+19	2,825488E+19	5,721074E+20	2,419855E+21
-2937	5,382583E+21	8,666218E+21	1,108443E+22	1,108420E+22	8,665851E+21	5,382311E+21	2,419646E+21	5,720021E+20	2,824766E+19	2,825021E+19	5,720087E+20	2,419555E+21
-2936	5,382091E+21	8,665777E+21	1,108450E+22	1,108465E+22	8,666178E+21	5,382501E+21	2,419814E+21	5,721054E+20	2,825586E+19	2,824737E+19	5,719859E+20	2,419638E+21
-2935	5,382483E+21	8,666262E+21	1,108472E+22	1,108459E+22	8,665951E+21	5,382161E+21	2,419490E+21	5,719395E+20	2,824094E+19	2,824977E+19	5,720834E+20	2,419756E+21
-2934	5,382352E+21	8,665898E+21	1,108437E+22	1,108460E+22	8,666281E+21	5,382524E+21	2,419702E+21	5,719800E+20	2,822939E+19	2,822415E+19	5,718891E+20	2,419469E+21
-2933	5,382202E+21	8,666161E+21	1,108501E+22	1,108509E+22	8,666427E+21	5,382529E+21	2,419665E+21	5,719440E+20	2,821900E+19	2,821319E+19	5,719138E+20	2,419733E+21
-2932	5,382746E+21	8,666648E+21	1,108525E+22	1,108503E+22	8,666197E+21	5,382255E+21	2,419399E+21	5,717665E+20	2,819109E+19	2,820089E+19	5,718823E+20	2,419580E+21
-2931	5,382424E+21	8,666346E+21	1,108529E+22	1,108553E+22	8,666761E+21	5,382689E+21	2,419659E+21	5,718414E+20	2,818247E+19	2,817165E+19	5,716935E+20	2,419364E+21
-2930	5,382529E+21	8,666996E+21	1,108608E+22	1,108596E+22	8,666801E+21	5,382493E+21	2,419432E+21	5,717280E+20	2,817150E+19	2,817416E+19	5,717984E+20	2,419641E+21
-2929	5,382774E+21	8,667070E+21	1,108606E+22	1,108583E+22	8,666693E+21	5,382439E+21	2,419349E+21	5,716366E+20	2,815067E+19	2,815844E+19	5,717023E+20	2,419399E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2928	5,382352E+21	8,666576E+21	1,108600E+22	1,108628E+22	8,667157E+21	5,382775E+21	2,419588E+21	5,717560E+20	2,816104E+19	2,815218E+19	5,716470E+20	2,419412E+21
-2927	5,382701E+21	8,667102E+21	1,108620E+22	1,108614E+22	8,666892E+21	5,382458E+21	2,419324E+21	5,716391E+20	2,815542E+19	2,816863E+19	5,718007E+20	2,419633E+21
-2926	5,382705E+21	8,666835E+21	1,108571E+22	1,108574E+22	8,666858E+21	5,382652E+21	2,419515E+21	5,717229E+20	2,816427E+19	2,816296E+19	5,716904E+20	2,419351E+21
-2925	5,382325E+21	8,666614E+21	1,108580E+22	1,108582E+22	8,666822E+21	5,382694E+21	2,419666E+21	5,718627E+20	2,819130E+19	2,818628E+19	5,717901E+20	2,419578E+21
-2924	5,382692E+21	8,666799E+21	1,108557E+22	1,108529E+22	8,666248E+21	5,382215E+21	2,419388E+21	5,717886E+20	2,819883E+19	2,821208E+19	5,719460E+20	2,419644E+21
-2923	5,382379E+21	8,666095E+21	1,108477E+22	1,108496E+22	8,666402E+21	5,382536E+21	2,419695E+21	5,719736E+20	2,822869E+19	2,822322E+19	5,718913E+20	2,419474E+21
-2922	5,382250E+21	8,666183E+21	1,108482E+22	1,108480E+22	8,666202E+21	5,382387E+21	2,419649E+21	5,720201E+20	2,824930E+19	2,825485E+19	5,720854E+20	2,419852E+21
-2921	5,382617E+21	8,666229E+21	1,108442E+22	1,108411E+22	8,665651E+21	5,382106E+21	2,419532E+21	5,719901E+20	2,825671E+19	2,826778E+19	5,721237E+20	2,419729E+21
-2920	5,382180E+21	8,665520E+21	1,108391E+22	1,108413E+22	8,665943E+21	5,382468E+21	2,419876E+21	5,721894E+20	2,828161E+19	2,827476E+19	5,720627E+20	2,419611E+21
-2919	5,382285E+21	8,665919E+21	1,108413E+22	1,108398E+22	8,665645E+21	5,382158E+21	2,419671E+21	5,721312E+20	2,828690E+19	2,829382E+19	5,722396E+20	2,419902E+21
-2918	5,382379E+21	8,665691E+21	1,108371E+22	1,108363E+22	8,665547E+21	5,382213E+21	2,419733E+21	5,721475E+20	2,828795E+19	2,828886E+19	5,721389E+20	2,419608E+21
-2917	5,381918E+21	8,665290E+21	1,108372E+22	1,108398E+22	8,665855E+21	5,382446E+21	2,419912E+21	5,722410E+20	2,829299E+19	2,828403E+19	5,721252E+20	2,419740E+21
-2916	5,382361E+21	8,665809E+21	1,108393E+22	1,108381E+22	8,665502E+21	5,382028E+21	2,419555E+21	5,720606E+20	2,827595E+19	2,828543E+19	5,722193E+20	2,419881E+21
-2915	5,382318E+21	8,665555E+21	1,108369E+22	1,108389E+22	8,665842E+21	5,382388E+21	2,419755E+21	5,720827E+20	2,826015E+19	2,825696E+19	5,720084E+20	2,419557E+21
-2914	5,382179E+21	8,665925E+21	1,108444E+22	1,108446E+22	8,666051E+21	5,382423E+21	2,419736E+21	5,720591E+20	2,825109E+19	2,824563E+19	5,720270E+20	2,419790E+21
-2913	5,382690E+21	8,666491E+21	1,108486E+22	1,108451E+22	8,665797E+21	5,382094E+21	2,419441E+21	5,718733E+20	2,822200E+19	2,823214E+19	5,719921E+20	2,419642E+21
-2912	5,382327E+21	8,666041E+21	1,108481E+22	1,108508E+22	8,666458E+21	5,382551E+21	2,419687E+21	5,719438E+20	2,821380E+19	2,820387E+19	5,718055E+20	2,419398E+21
-2911	5,382338E+21	8,666539E+21	1,108542E+22	1,108539E+22	8,666518E+21	5,382426E+21	2,419509E+21	5,718485E+20	2,820541E+19	2,820850E+19	5,719256E+20	2,419727E+21
-2910	5,382647E+21	8,666602E+21	1,108534E+22	1,108524E+22	8,666415E+21	5,382386E+21	2,419443E+21	5,717675E+20	2,818729E+19	2,819394E+19	5,718233E+20	2,419471E+21
-2909	5,382265E+21	8,666190E+21	1,108524E+22	1,108555E+22	8,666793E+21	5,382737E+21	2,419723E+21	5,719087E+20	2,820050E+19	2,818994E+19	5,717793E+20	2,419488E+21
-2908	5,382576E+21	8,666700E+21	1,108543E+22	1,108529E+22	8,666354E+21	5,382304E+21	2,419432E+21	5,718040E+20	2,819932E+19	2,821052E+19	5,719444E+20	2,419710E+21
-2907	5,382559E+21	8,666385E+21	1,108495E+22	1,108493E+22	8,666317E+21	5,382465E+21	2,419599E+21	5,718814E+20	2,820965E+19	2,820871E+19	5,718500E+20	2,419427E+21
-2906	5,382158E+21	8,666131E+21	1,108499E+22	1,108504E+22	8,666369E+21	5,382537E+21	2,419747E+21	5,720262E+20	2,823853E+19	2,823494E+19	5,719681E+20	2,419684E+21
-2905	5,382567E+21	8,666388E+21	1,108480E+22	1,108447E+22	8,665742E+21	5,382032E+21	2,419443E+21	5,719341E+20	2,824332E+19	2,825877E+19	5,721227E+20	2,419788E+21
-2904	5,382298E+21	8,665643E+21	1,108396E+22	1,108418E+22	8,665949E+21	5,382386E+21	2,419756E+21	5,721128E+20	2,827094E+19	2,826775E+19	5,720497E+20	2,419567E+21
-2903	5,382118E+21	8,665709E+21	1,108397E+22	1,108398E+22	8,665770E+21	5,382293E+21	2,419765E+21	5,721806E+20	2,829295E+19	2,829793E+19	5,722371E+20	2,419944E+21
-2902	5,382496E+21	8,665780E+21	1,108365E+22	1,108339E+22	8,665255E+21	5,382018E+21	2,419659E+21	5,721621E+20	2,830260E+19	2,831055E+19	5,722596E+20	2,419771E+21
-2901	5,382009E+21	8,665077E+21	1,108315E+22	1,108340E+22	8,665538E+21	5,382389E+21	2,420014E+21	5,723649E+20	2,832691E+19	2,831767E+19	5,722127E+20	2,419674E+21
-2900	5,382056E+21	8,665363E+21	1,108327E+22	1,108317E+22	8,665158E+21	5,381991E+21	2,419754E+21	5,722914E+20	2,833164E+19	2,833729E+19	5,723970E+20	2,420006E+21
-2899	5,382223E+21	8,665155E+21	1,108284E+22	1,108282E+22	8,665083E+21	5,382066E+21	2,419791E+21	5,722742E+20	2,832651E+19	2,833003E+19	5,722935E+20	2,419730E+21
-2898	5,381848E+21	8,664882E+21	1,108294E+22	1,108320E+22	8,665436E+21	5,382329E+21	2,419978E+21	5,723601E+20	2,832809E+19	2,832077E+19	5,722632E+20	2,419854E+21
-2897	5,382362E+21	8,665618E+21	1,108337E+22	1,108312E+22	8,665051E+21	5,381871E+21	2,419596E+21	5,721614E+20	2,830598E+19	2,831652E+19	5,723308E+20	2,419974E+21
-2896	5,382316E+21	8,665390E+21	1,108326E+22	1,108336E+22	8,665476E+21	5,382240E+21	2,419784E+21	5,721777E+20	2,828832E+19	2,828512E+19	5,720975E+20	2,419570E+21
-2895	5,382036E+21	8,665631E+21	1,108399E+22	1,108400E+22	8,665768E+21	5,382329E+21	2,419803E+21	5,721727E+20	2,828195E+19	2,827509E+19	5,721257E+20	2,419823E+21
-2894	5,382526E+21	8,666097E+21	1,108436E+22	1,108415E+22	8,665621E+21	5,382038E+21	2,419513E+21	5,719912E+20	2,825476E+19	2,826321E+19	5,720936E+20	2,419677E+21
-2893	5,382175E+21	8,665647E+21	1,108418E+22	1,108455E+22	8,666232E+21	5,382539E+21	2,419793E+21	5,720695E+20	2,824746E+19	2,823725E+19	5,719318E+20	2,419478E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2892	5,382173E+21	8,666057E+21	1,108464E+22	1,108467E+22	8,666125E+21	5,382332E+21	2,419602E+21	5,719821E+20	2,824182E+19	2,824481E+19	5,720571E+20	2,419826E+21
-2891	5,382561E+21	8,666195E+21	1,108456E+22	1,108444E+22	8,665968E+21	5,382279E+21	2,419535E+21	5,719008E+20	2,822497E+19	2,823302E+19	5,719632E+20	2,419560E+21
-2890	5,382184E+21	8,665843E+21	1,108449E+22	1,108472E+22	8,666302E+21	5,382603E+21	2,419824E+21	5,720636E+20	2,824298E+19	2,823229E+19	5,719270E+20	2,419563E+21
-2889	5,382462E+21	8,666377E+21	1,108477E+22	1,108452E+22	8,665811E+21	5,382088E+21	2,419489E+21	5,719528E+20	2,824247E+19	2,825432E+19	5,721034E+20	2,419818E+21
-2888	5,382442E+21	8,665959E+21	1,108422E+22	1,108421E+22	8,665847E+21	5,382247E+21	2,419624E+21	5,720219E+20	2,825337E+19	2,825404E+19	5,720132E+20	2,419516E+21
-2887	5,381978E+21	8,665591E+21	1,108411E+22	1,108424E+22	8,665941E+21	5,382403E+21	2,419824E+21	5,721792E+20	2,828332E+19	2,828076E+19	5,721376E+20	2,419814E+21
-2886	5,382450E+21	8,665872E+21	1,108396E+22	1,108374E+22	8,665365E+21	5,381941E+21	2,419550E+21	5,720972E+20	2,828936E+19	2,830353E+19	5,722747E+20	2,419881E+21
-2885	5,382205E+21	8,665237E+21	1,108314E+22	1,108336E+22	8,665528E+21	5,382328E+21	2,419904E+21	5,722888E+20	2,831715E+19	2,831271E+19	5,722063E+20	2,419645E+21
-2884	5,381938E+21	8,665226E+21	1,108314E+22	1,108310E+22	8,665238E+21	5,382153E+21	2,419891E+21	5,723614E+20	2,834113E+19	2,834371E+19	5,723898E+20	2,420012E+21
-2883	5,382311E+21	8,665271E+21	1,108283E+22	1,108256E+22	8,664765E+21	5,381873E+21	2,419755E+21	5,723239E+20	2,834870E+19	2,835740E+19	5,724234E+20	2,419849E+21
-2882	5,381833E+21	8,664569E+21	1,108229E+22	1,108258E+22	8,665101E+21	5,382258E+21	2,420096E+21	5,725159E+20	2,837035E+19	2,836241E+19	5,723783E+20	2,419784E+21
-2881	5,381945E+21	8,664959E+21	1,108251E+22	1,108237E+22	8,664676E+21	5,381819E+21	2,419796E+21	5,724122E+20	2,836888E+19	2,837658E+19	5,725476E+20	2,420148E+21
-2880	5,382190E+21	8,664798E+21	1,108215E+22	1,108211E+22	8,664657E+21	5,381899E+21	2,419819E+21	5,723780E+20	2,835838E+19	2,836367E+19	5,724138E+20	2,419811E+21
-2879	5,381780E+21	8,664568E+21	1,108232E+22	1,108255E+22	8,665069E+21	5,382230E+21	2,420055E+21	5,724779E+20	2,835988E+19	2,835143E+19	5,723696E+20	2,419920E+21
-2878	5,382284E+21	8,665342E+21	1,108291E+22	1,108265E+22	8,664761E+21	5,381798E+21	2,419692E+21	5,722920E+20	2,833997E+19	2,834694E+19	5,724205E+20	2,419984E+21
-2877	5,382174E+21	8,665101E+21	1,108280E+22	1,108291E+22	8,665222E+21	5,382189E+21	2,419890E+21	5,723121E+20	2,832308E+19	2,831778E+19	5,722112E+20	2,419605E+21
-2876	5,381822E+21	8,665166E+21	1,108334E+22	1,108342E+22	8,665451E+21	5,382228E+21	2,419875E+21	5,723029E+20	2,831855E+19	2,831050E+19	5,722502E+20	2,419897E+21
-2875	5,382374E+21	8,665613E+21	1,108359E+22	1,108346E+22	8,665290E+21	5,381964E+21	2,419579E+21	5,721060E+20	2,828943E+19	2,829991E+19	5,722273E+20	2,419771E+21
-2874	5,382089E+21	8,665250E+21	1,108341E+22	1,108379E+22	8,665852E+21	5,382458E+21	2,419879E+21	5,721952E+20	2,828321E+19	2,827401E+19	5,720666E+20	2,419581E+21
-2873	5,382136E+21	8,665783E+21	1,108399E+22	1,108390E+22	8,665632E+21	5,382168E+21	2,419661E+21	5,721033E+20	2,827677E+19	2,828081E+19	5,721845E+20	2,419918E+21
-2872	5,382500E+21	8,665897E+21	1,108396E+22	1,108375E+22	8,665492E+21	5,382083E+21	2,419574E+21	5,720245E+20	2,826118E+19	2,826962E+19	5,720881E+20	2,419606E+21
-2871	5,382018E+21	8,665434E+21	1,108384E+22	1,108406E+22	8,665887E+21	5,382445E+21	2,419887E+21	5,722030E+20	2,828299E+19	2,827280E+19	5,720727E+20	2,419649E+21
-2870	5,382302E+21	8,665904E+21	1,108408E+22	1,108391E+22	8,665472E+21	5,381975E+21	2,419567E+21	5,721010E+20	2,828515E+19	2,829648E+19	5,722502E+20	2,419903E+21
-2869	5,382310E+21	8,665514E+21	1,108345E+22	1,108348E+22	8,665488E+21	5,382180E+21	2,419732E+21	5,721764E+20	2,829704E+19	2,829865E+19	5,721809E+20	2,419633E+21
-2868	5,381832E+21	8,665065E+21	1,108321E+22	1,108337E+22	8,665468E+21	5,382284E+21	2,419931E+21	5,723443E+20	2,832945E+19	2,832662E+19	5,722979E+20	2,419924E+21
-2867	5,382351E+21	8,665408E+21	1,108306E+22	1,108282E+22	8,664881E+21	5,381843E+21	2,419671E+21	5,722666E+20	2,833681E+19	2,835124E+19	5,724379E+20	2,419965E+21
-2866	5,382075E+21	8,664813E+21	1,108231E+22	1,108246E+22	8,665013E+21	5,382206E+21	2,420036E+21	5,724729E+20	2,836655E+19	2,836140E+19	5,723744E+20	2,419727E+21
-2865	5,381774E+21	8,664777E+21	1,108237E+22	1,108227E+22	8,664689E+21	5,381950E+21	2,419967E+21	5,725247E+20	2,838776E+19	2,839062E+19	5,725586E+20	2,420116E+21
-2864	5,382157E+21	8,664766E+21	1,108200E+22	1,108177E+22	8,664291E+21	5,381675E+21	2,419793E+21	5,724631E+20	2,839109E+19	2,840119E+19	5,725826E+20	2,419946E+21
-2863	5,381676E+21	8,664054E+21	1,108143E+22	1,108176E+22	8,664664E+21	5,382129E+21	2,420163E+21	5,726492E+20	2,840942E+19	2,840225E+19	5,725269E+20	2,419907E+21
-2862	5,381869E+21	8,664538E+21	1,108180E+22	1,108170E+22	8,664308E+21	5,381728E+21	2,419885E+21	5,725470E+20	2,840628E+19	2,841174E+19	5,726625E+20	2,420219E+21
-2861	5,382143E+21	8,664534E+21	1,108157E+22	1,108148E+22	8,664309E+21	5,381833E+21	2,419927E+21	5,725142E+20	2,839389E+19	2,839740E+19	5,725287E+20	2,419859E+21
-2860	5,381633E+21	8,664211E+21	1,108174E+22	1,108194E+22	8,664675E+21	5,382107E+21	2,420140E+21	5,726152E+20	2,839675E+19	2,838533E+19	5,724778E+20	2,419957E+21
-2859	5,382134E+21	8,664951E+21	1,108232E+22	1,108209E+22	8,664462E+21	5,381718E+21	2,419764E+21	5,724158E+20	2,837562E+19	2,838307E+19	5,725444E+20	2,420033E+21
-2858	5,382020E+21	8,664701E+21	1,108215E+22	1,108231E+22	8,664924E+21	5,382119E+21	2,419960E+21	5,724297E+20	2,835728E+19	2,835339E+19	5,723442E+20	2,419695E+21
-2857	5,381716E+21	8,664787E+21	1,108269E+22	1,108277E+22	8,665072E+21	5,382106E+21	2,419916E+21	5,724006E+20	2,834927E+19	2,834404E+19	5,723780E+20	2,420009E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2856	5,382330E+21	8,665271E+21	1,108295E+22	1,108280E+22	8,664903E+21	5,381818E+21	2,419606E+21	5,721993E+20	2,831833E+19	2,833118E+19	5,723407E+20	2,419845E+21
-2855	5,382019E+21	8,664930E+21	1,108276E+22	1,108307E+22	8,665444E+21	5,382349E+21	2,419952E+21	5,723131E+20	2,831585E+19	2,830654E+19	5,721827E+20	2,419656E+21
-2854	5,382046E+21	8,665451E+21	1,108345E+22	1,108332E+22	8,665255E+21	5,382057E+21	2,419754E+21	5,722448E+20	2,831442E+19	2,831601E+19	5,722966E+20	2,419958E+21
-2853	5,382367E+21	8,665538E+21	1,108337E+22	1,108315E+22	8,665125E+21	5,381971E+21	2,419670E+21	5,721766E+20	2,830259E+19	2,831016E+19	5,722365E+20	2,419681E+21
-2852	5,381815E+21	8,664897E+21	1,108304E+22	1,108331E+22	8,665452E+21	5,382297E+21	2,419960E+21	5,723570E+20	2,832789E+19	2,831740E+19	5,722322E+20	2,419758E+21
-2851	5,382172E+21	8,665382E+21	1,108319E+22	1,108305E+22	8,665047E+21	5,381885E+21	2,419660E+21	5,722541E+20	2,833063E+19	2,834366E+19	5,724190E+20	2,420017E+21
-2850	5,382218E+21	8,665074E+21	1,108258E+22	1,108258E+22	8,665015E+21	5,382083E+21	2,419852E+21	5,723446E+20	2,834425E+19	2,834632E+19	5,723492E+20	2,419745E+21
-2849	5,381757E+21	8,664689E+21	1,108242E+22	1,108247E+22	8,664921E+21	5,382123E+21	2,420028E+21	5,725081E+20	2,837557E+19	2,837308E+19	5,724570E+20	2,420010E+21
-2848	5,382224E+21	8,664984E+21	1,108231E+22	1,108202E+22	8,664365E+21	5,381650E+21	2,419746E+21	5,724280E+20	2,838263E+19	2,839653E+19	5,725907E+20	2,420017E+21
-2847	5,381859E+21	8,664281E+21	1,108150E+22	1,108167E+22	8,664561E+21	5,382065E+21	2,420129E+21	5,726371E+20	2,841263E+19	2,840749E+19	5,725404E+20	2,419824E+21
-2846	5,381586E+21	8,664205E+21	1,108156E+22	1,108155E+22	8,664297E+21	5,381843E+21	2,420062E+21	5,726830E+20	2,843232E+19	2,843393E+19	5,727097E+20	2,420206E+21
-2845	5,382021E+21	8,664284E+21	1,108120E+22	1,108100E+22	8,663893E+21	5,381594E+21	2,419899E+21	5,726120E+20	2,843240E+19	2,844312E+19	5,727416E+20	2,420062E+21
-2844	5,381559E+21	8,663572E+21	1,108060E+22	1,108094E+22	8,664195E+21	5,381995E+21	2,420248E+21	5,727924E+20	2,844965E+19	2,844157E+19	5,726647E+20	2,420009E+21
-2843	5,381817E+21	8,664182E+21	1,108106E+22	1,108090E+22	8,663882E+21	5,381642E+21	2,419982E+21	5,726886E+20	2,844592E+19	2,845062E+19	5,727919E+20	2,420276E+21
-2842	5,382042E+21	8,664230E+21	1,108099E+22	1,108082E+22	8,663904E+21	5,381727E+21	2,420024E+21	5,726589E+20	2,843315E+19	2,843560E+19	5,726590E+20	2,419922E+21
-2841	5,381520E+21	8,663876E+21	1,108119E+22	1,108135E+22	8,664274E+21	5,381938E+21	2,420179E+21	5,727330E+20	2,843226E+19	2,842165E+19	5,726078E+20	2,420033E+21
-2840	5,382010E+21	8,664540E+21	1,108168E+22	1,108152E+22	8,664131E+21	5,381570E+21	2,419782E+21	5,725124E+20	2,840636E+19	2,841566E+19	5,726624E+20	2,420101E+21
-2839	5,381894E+21	8,664283E+21	1,108149E+22	1,108167E+22	8,664600E+21	5,382041E+21	2,420016E+21	5,725269E+20	2,838619E+19	2,838395E+19	5,724617E+20	2,419797E+21
-2838	5,381655E+21	8,664423E+21	1,108210E+22	1,108219E+22	8,664752E+21	5,382043E+21	2,420000E+21	5,725118E+20	2,837936E+19	2,837277E+19	5,724709E+20	2,420052E+21
-2837	5,382264E+21	8,665016E+21	1,108243E+22	1,108221E+22	8,664557E+21	5,381752E+21	2,419709E+21	5,723245E+20	2,835068E+19	2,836265E+19	5,724511E+20	2,419887E+21
-2836	5,381870E+21	8,664552E+21	1,108216E+22	1,108243E+22	8,665009E+21	5,382198E+21	2,420025E+21	5,724505E+20	2,835390E+19	2,834254E+19	5,723034E+20	2,419709E+21
-2835	5,381909E+21	8,665027E+21	1,108275E+22	1,108264E+22	8,664885E+21	5,381952E+21	2,419829E+21	5,723864E+20	2,835553E+19	2,835781E+19	5,724431E+20	2,420030E+21
-2834	5,382225E+21	8,665102E+21	1,108264E+22	1,108242E+22	8,664736E+21	5,381867E+21	2,419754E+21	5,723243E+20	2,834566E+19	2,835428E+19	5,724011E+20	2,419804E+21
-2833	5,381729E+21	8,664462E+21	1,108227E+22	1,108252E+22	8,664978E+21	5,382141E+21	2,420023E+21	5,724927E+20	2,836929E+19	2,836165E+19	5,723960E+20	2,419885E+21
-2832	5,382109E+21	8,664965E+21	1,108240E+22	1,108225E+22	8,664584E+21	5,381732E+21	2,419731E+21	5,723957E+20	2,837181E+19	2,838612E+19	5,725681E+20	2,420097E+21
-2831	5,382097E+21	8,664654E+21	1,108180E+22	1,108173E+22	8,664536E+21	5,381976E+21	2,419968E+21	5,725093E+20	2,838944E+19	2,839126E+19	5,725071E+20	2,419830E+21
-2830	5,381595E+21	8,664203E+21	1,108171E+22	1,108175E+22	8,664471E+21	5,382010E+21	2,420156E+21	5,726893E+20	2,842391E+19	2,841891E+19	5,726078E+20	2,420060E+21
-2829	5,382023E+21	8,664469E+21	1,108152E+22	1,108126E+22	8,663937E+21	5,381533E+21	2,419862E+21	5,726069E+20	2,843170E+19	2,844507E+19	5,727695E+20	2,420114E+21
-2828	5,381636E+21	8,663627E+21	1,108050E+22	1,108075E+22	8,664044E+21	5,381901E+21	2,420213E+21	5,728049E+20	2,846117E+19	2,845553E+19	5,727142E+20	2,419955E+21
-2827	5,381480E+21	8,663654E+21	1,108057E+22	1,108059E+22	8,663809E+21	5,381736E+21	2,420157E+21	5,728403E+20	2,847827E+19	2,848045E+19	5,728763E+20	2,420324E+21
-2826	5,381963E+21	8,663888E+21	1,108037E+22	1,108011E+22	8,663383E+21	5,381468E+21	2,420003E+21	5,727690E+20	2,847617E+19	2,848634E+19	5,728923E+20	2,420167E+21
-2825	5,381518E+21	8,663269E+21	1,107994E+22	1,108016E+22	8,663676E+21	5,381812E+21	2,420309E+21	5,729258E+20	2,848861E+19	2,848082E+19	5,727980E+20	2,420080E+21
-2824	5,381725E+21	8,663873E+21	1,108051E+22	1,108031E+22	8,663472E+21	5,381464E+21	2,420025E+21	5,728091E+20	2,848132E+19	2,848596E+19	5,729103E+20	2,420311E+21
-2823	5,381873E+21	8,663836E+21	1,108042E+22	1,108028E+22	8,663601E+21	5,381632E+21	2,420081E+21	5,727718E+20	2,846614E+19	2,846958E+19	5,727834E+20	2,419995E+21
-2822	5,381374E+21	8,663448E+21	1,108063E+22	1,108087E+22	8,664029E+21	5,381889E+21	2,420251E+21	5,728413E+20	2,846301E+19	2,845178E+19	5,727121E+20	2,420084E+21
-2821	5,381896E+21	8,664169E+21	1,108109E+22	1,108098E+22	8,663865E+21	5,381534E+21	2,419872E+21	5,726207E+20	2,843575E+19	2,844574E+19	5,727743E+20	2,420168E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2820	5,381776E+21	8,663866E+21	1,108078E+22	1,108098E+22	8,664207E+21	5,381943E+21	2,420099E+21	5,726459E+20	2,841828E+19	2,841459E+19	5,725668E+20	2,419864E+21
-2819	5,381596E+21	8,664097E+21	1,108142E+22	1,108146E+22	8,664357E+21	5,381973E+21	2,420101E+21	5,726469E+20	2,841586E+19	2,840808E+19	5,725872E+20	2,420090E+21
-2818	5,382142E+21	8,664690E+21	1,108185E+22	1,108156E+22	8,664132E+21	5,381630E+21	2,419807E+21	5,724740E+20	2,839096E+19	2,840169E+19	5,725888E+20	2,419965E+21
-2817	5,381759E+21	8,664167E+21	1,108153E+22	1,108177E+22	8,664565E+21	5,382002E+21	2,420059E+21	5,725792E+20	2,839392E+19	2,838426E+19	5,724576E+20	2,419816E+21
-2816	5,381806E+21	8,664595E+21	1,108202E+22	1,108194E+22	8,664473E+21	5,381777E+21	2,419860E+21	5,725076E+20	2,839360E+19	2,839822E+19	5,725916E+20	2,420129E+21
-2815	5,382117E+21	8,664662E+21	1,108187E+22	1,108168E+22	8,664333E+21	5,381766E+21	2,419831E+21	5,724570E+20	2,838508E+19	2,839527E+19	5,725543E+20	2,419924E+21
-2814	5,381654E+21	8,664059E+21	1,108158E+22	1,108181E+22	8,664577E+21	5,382060E+21	2,420138E+21	5,726461E+20	2,841103E+19	2,840219E+19	5,725290E+20	2,419937E+21
-2813	5,381979E+21	8,664582E+21	1,108172E+22	1,108153E+22	8,664167E+21	5,381654E+21	2,419868E+21	5,725663E+20	2,841668E+19	2,842984E+19	5,727176E+20	2,420147E+21
-2812	5,381875E+21	8,664102E+21	1,108097E+22	1,108092E+22	8,664034E+21	5,381826E+21	2,420082E+21	5,726895E+20	2,843879E+19	2,843886E+19	5,726714E+20	2,419913E+21
-2811	5,381418E+21	8,663618E+21	1,108073E+22	1,108084E+22	8,664012E+21	5,381903E+21	2,420264E+21	5,728660E+20	2,847426E+19	2,846955E+19	5,727877E+20	2,420153E+21
-2810	5,381844E+21	8,663906E+21	1,108057E+22	1,108034E+22	8,663435E+21	5,381407E+21	2,419967E+21	5,727785E+20	2,848090E+19	2,849474E+19	5,729546E+20	2,420265E+21
-2809	5,381568E+21	8,663151E+21	1,107961E+22	1,107982E+22	8,663466E+21	5,381692E+21	2,420264E+21	5,729468E+20	2,850490E+19	2,850191E+19	5,728854E+20	2,420097E+21
-2808	5,381451E+21	8,663278E+21	1,107976E+22	1,107974E+22	8,663278E+21	5,381535E+21	2,420213E+21	5,729759E+20	2,851788E+19	2,852052E+19	5,730157E+20	2,420403E+21
-2807	5,381876E+21	8,663564E+21	1,107973E+22	1,107938E+22	8,662937E+21	5,381342E+21	2,420093E+21	5,729113E+20	2,851559E+19	2,852524E+19	5,730269E+20	2,420237E+21
-2806	5,381386E+21	8,662918E+21	1,107945E+22	1,107965E+22	8,663322E+21	5,381705E+21	2,420402E+21	5,730686E+20	2,852707E+19	2,851695E+19	5,729144E+20	2,420104E+21
-2805	5,381542E+21	8,663472E+21	1,107994E+22	1,107981E+22	8,663208E+21	5,381403E+21	2,420116E+21	5,729417E+20	2,851791E+19	2,852211E+19	5,730393E+20	2,420364E+21
-2804	5,381663E+21	8,663300E+21	1,107965E+22	1,107962E+22	8,663262E+21	5,381544E+21	2,420155E+21	5,728945E+20	2,850120E+19	2,850424E+19	5,729071E+20	2,420084E+21
-2803	5,381286E+21	8,662998E+21	1,107980E+22	1,108013E+22	8,663693E+21	5,381848E+21	2,420342E+21	5,729634E+20	2,849768E+19	2,848630E+19	5,728321E+20	2,420150E+21
-2802	5,381812E+21	8,663829E+21	1,108041E+22	1,108026E+22	8,663466E+21	5,381449E+21	2,419971E+21	5,727520E+20	2,847077E+19	2,847953E+19	5,728910E+20	2,420249E+21
-2801	5,381728E+21	8,663587E+21	1,108021E+22	1,108031E+22	8,663724E+21	5,381752E+21	2,420143E+21	5,727623E+20	2,845225E+19	2,844902E+19	5,726875E+20	2,419934E+21
-2800	5,381514E+21	8,663801E+21	1,108088E+22	1,108088E+22	8,663933E+21	5,381770E+21	2,420132E+21	5,727608E+20	2,844941E+19	2,844254E+19	5,727096E+20	2,420146E+21
-2799	5,382002E+21	8,664323E+21	1,108126E+22	1,108099E+22	8,663799E+21	5,381512E+21	2,419857E+21	5,725889E+20	2,842560E+19	2,843838E+19	5,727298E+20	2,420069E+21
-2798	5,381645E+21	8,663777E+21	1,108095E+22	1,108123E+22	8,664258E+21	5,381920E+21	2,420126E+21	5,726970E+20	2,842910E+19	2,842048E+19	5,725881E+20	2,419900E+21
-2797	5,381715E+21	8,664224E+21	1,108137E+22	1,108133E+22	8,664160E+21	5,381723E+21	2,419958E+21	5,726380E+20	2,843034E+19	2,843648E+19	5,727300E+20	2,420211E+21
-2796	5,381987E+21	8,664195E+21	1,108105E+22	1,108088E+22	8,663892E+21	5,381664E+21	2,419942E+21	5,726126E+20	2,842753E+19	2,843620E+19	5,726931E+20	2,420002E+21
-2795	5,381550E+21	8,663623E+21	1,108071E+22	1,108094E+22	8,664122E+21	5,381985E+21	2,420278E+21	5,728281E+20	2,845970E+19	2,844916E+19	5,726850E+20	2,419986E+21
-2794	5,381774E+21	8,664083E+21	1,108090E+22	1,108069E+22	8,663654E+21	5,381512E+21	2,420001E+21	5,727618E+20	2,846913E+19	2,848018E+19	5,728941E+20	2,420248E+21
-2793	5,381704E+21	8,663526E+21	1,108004E+22	1,108001E+22	8,663456E+21	5,381600E+21	2,420145E+21	5,728585E+20	2,848934E+19	2,849089E+19	5,728630E+20	2,420049E+21
-2792	5,381295E+21	8,663080E+21	1,107977E+22	1,107990E+22	8,663443E+21	5,381683E+21	2,420317E+21	5,730160E+20	2,851965E+19	2,851702E+19	5,729632E+20	2,420280E+21
-2791	5,381741E+21	8,663438E+21	1,107968E+22	1,107942E+22	8,662913E+21	5,381260E+21	2,420051E+21	5,729279E+20	2,852472E+19	2,853960E+19	5,731190E+20	2,420394E+21
-2790	5,381504E+21	8,662799E+21	1,107893E+22	1,107907E+22	8,663006E+21	5,381564E+21	2,420359E+21	5,730970E+20	2,854675E+19	2,854240E+19	5,730164E+20	2,420151E+21
-2789	5,381342E+21	8,662966E+21	1,107919E+22	1,107911E+22	8,662892E+21	5,381433E+21	2,420320E+21	5,731306E+20	2,855957E+19	2,856043E+19	5,731469E+20	2,420435E+21
-2788	5,381657E+21	8,663071E+21	1,107903E+22	1,107876E+22	8,662562E+21	5,381223E+21	2,420188E+21	5,730667E+20	2,855817E+19	2,856566E+19	5,731613E+20	2,420294E+21
-2787	5,381216E+21	8,662420E+21	1,107864E+22	1,107897E+22	8,663032E+21	5,381662E+21	2,420502E+21	5,732148E+20	2,856812E+19	2,855761E+19	5,730568E+20	2,420163E+21
-2786	5,381348E+21	8,662983E+21	1,107918E+22	1,107911E+22	8,662861E+21	5,381344E+21	2,420220E+21	5,730795E+20	2,855599E+19	2,855988E+19	5,731776E+20	2,420475E+21
-2785	5,381587E+21	8,662873E+21	1,107888E+22	1,107887E+22	8,662819E+21	5,381396E+21	2,420204E+21	5,730034E+20	2,853401E+19	2,853950E+19	5,730383E+20	2,420195E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2784	5,381269E+21	8,662704E+21	1,107911E+22	1,107938E+22	8,663232E+21	5,381678E+21	2,420386E+21	5,730671E+20	2,852756E+19	2,851711E+19	5,729421E+20	2,420214E+21
-2783	5,381733E+21	8,663571E+21	1,107987E+22	1,107964E+22	8,663061E+21	5,381323E+21	2,420037E+21	5,728667E+20	2,850271E+19	2,851182E+19	5,730078E+20	2,420323E+21
-2782	5,381631E+21	8,663322E+21	1,107980E+22	1,107985E+22	8,663386E+21	5,381611E+21	2,420194E+21	5,728786E+20	2,848560E+19	2,848160E+19	5,728003E+20	2,419987E+21
-2781	5,381388E+21	8,663465E+21	1,108036E+22	1,108042E+22	8,663668E+21	5,381674E+21	2,420188E+21	5,728769E+20	2,848361E+19	2,847763E+19	5,728372E+20	2,420219E+21
-2780	5,381842E+21	8,663849E+21	1,108053E+22	1,108035E+22	8,663461E+21	5,381421E+21	2,419931E+21	5,727153E+20	2,846196E+19	2,847456E+19	5,728590E+20	2,420170E+21
-2779	5,381583E+21	8,663370E+21	1,108013E+22	1,108046E+22	8,663905E+21	5,381876E+21	2,420238E+21	5,728416E+20	2,846938E+19	2,846019E+19	5,727221E+20	2,419959E+21
-2778	5,381577E+21	8,663832E+21	1,108063E+22	1,108056E+22	8,663732E+21	5,381649E+21	2,420096E+21	5,728058E+20	2,847419E+19	2,847819E+19	5,728679E+20	2,420282E+21
-2777	5,381862E+21	8,663779E+21	1,108030E+22	1,108007E+22	8,663359E+21	5,381475E+21	2,420023E+21	5,727734E+20	2,847331E+19	2,848216E+19	5,728526E+20	2,420084E+21
-2776	5,381403E+21	8,663157E+21	1,107988E+22	1,108011E+22	8,663592E+21	5,381772E+21	2,420345E+21	5,729856E+20	2,850516E+19	2,849576E+19	5,728512E+20	2,420071E+21
-2775	5,381579E+21	8,663550E+21	1,108003E+22	1,107986E+22	8,663190E+21	5,381364E+21	2,420078E+21	5,729171E+20	2,851495E+19	2,852782E+19	5,730745E+20	2,420385E+21
-2774	5,381572E+21	8,663043E+21	1,107925E+22	1,107921E+22	8,662979E+21	5,381447E+21	2,420222E+21	5,730087E+20	2,853362E+19	2,853608E+19	5,730266E+20	2,420166E+21
-2773	5,381206E+21	8,662660E+21	1,107898E+22	1,107911E+22	8,662994E+21	5,381557E+21	2,420409E+21	5,731676E+20	2,856285E+19	2,856100E+19	5,731190E+20	2,420374E+21
-2772	5,381609E+21	8,662975E+21	1,107883E+22	1,107857E+22	8,662425E+21	5,381134E+21	2,420165E+21	5,730972E+20	2,857085E+19	2,858360E+19	5,732656E+20	2,420474E+21
-2771	5,381394E+21	8,662393E+21	1,107813E+22	1,107826E+22	8,662583E+21	5,381482E+21	2,420491E+21	5,732771E+20	2,859532E+19	2,858903E+19	5,731696E+20	2,420195E+21
-2770	5,381124E+21	8,662486E+21	1,107846E+22	1,107842E+22	8,662496E+21	5,381332E+21	2,420444E+21	5,733093E+20	2,860786E+19	2,860630E+19	5,733059E+20	2,420528E+21
-2769	5,381493E+21	8,662531E+21	1,107819E+22	1,107800E+22	8,662130E+21	5,381060E+21	2,420241E+21	5,732069E+20	2,860068E+19	2,860996E+19	5,733244E+20	2,420415E+21
-2768	5,381117E+21	8,661959E+21	1,107779E+22	1,107816E+22	8,662578E+21	5,381503E+21	2,420550E+21	5,733298E+20	2,860271E+19	2,859443E+19	5,731961E+20	2,420271E+21
-2767	5,381261E+21	8,662596E+21	1,107845E+22	1,107837E+22	8,662449E+21	5,381236E+21	2,420288E+21	5,731900E+20	2,858793E+19	2,859303E+19	5,732997E+20	2,420572E+21
-2766	5,381535E+21	8,662627E+21	1,107839E+22	1,107827E+22	8,662421E+21	5,381272E+21	2,420269E+21	5,731121E+20	2,856379E+19	2,856862E+19	5,731347E+20	2,420241E+21
-2765	5,381195E+21	8,662499E+21	1,107870E+22	1,107890E+22	8,662901E+21	5,381562E+21	2,420448E+21	5,731779E+20	2,855851E+19	2,854745E+19	5,730439E+20	2,420246E+21
-2764	5,381566E+21	8,663186E+21	1,107930E+22	1,107911E+22	8,662745E+21	5,381212E+21	2,420102E+21	5,729891E+20	2,853670E+19	2,854448E+19	5,731184E+20	2,420383E+21
-2763	5,381515E+21	8,662940E+21	1,107912E+22	1,107927E+22	8,663142E+21	5,381567E+21	2,420273E+21	5,730049E+20	2,852214E+19	2,851779E+19	5,729268E+20	2,420049E+21
-2762	5,381238E+21	8,663061E+21	1,107970E+22	1,107980E+22	8,663355E+21	5,381615E+21	2,420287E+21	5,730123E+20	2,852126E+19	2,851451E+19	5,729670E+20	2,420320E+21
-2761	5,381763E+21	8,663423E+21	1,107976E+22	1,107961E+22	8,663036E+21	5,381283E+21	2,419997E+21	5,728445E+20	2,849965E+19	2,851333E+19	5,729953E+20	2,420263E+21
-2760	5,381519E+21	8,663029E+21	1,107937E+22	1,107965E+22	8,663411E+21	5,381720E+21	2,420321E+21	5,729818E+20	2,850824E+19	2,849954E+19	5,728590E+20	2,420022E+21
-2759	5,381412E+21	8,663426E+21	1,107993E+22	1,107980E+22	8,663262E+21	5,381516E+21	2,420200E+21	5,729651E+20	2,851781E+19	2,852191E+19	5,730212E+20	2,420356E+21
-2758	5,381676E+21	8,663334E+21	1,107962E+22	1,107937E+22	8,662913E+21	5,381313E+21	2,420105E+21	5,729336E+20	2,851898E+19	2,852763E+19	5,730150E+20	2,420175E+21
-2757	5,381241E+21	8,662669E+21	1,107907E+22	1,107935E+22	8,663166E+21	5,381627E+21	2,420415E+21	5,731390E+20	2,855102E+19	2,854318E+19	5,730243E+20	2,420185E+21
-2756	5,381406E+21	8,662951E+21	1,107904E+22	1,107894E+22	8,662695E+21	5,381226E+21	2,420170E+21	5,730807E+20	2,856209E+19	2,857475E+19	5,732423E+20	2,420521E+21
-2755	5,381509E+21	8,662578E+21	1,107828E+22	1,107828E+22	8,662511E+21	5,381343E+21	2,420339E+21	5,731842E+20	2,858288E+19	2,858443E+19	5,731901E+20	2,420251E+21
-2754	5,381074E+21	8,662246E+21	1,107819E+22	1,107827E+22	8,662503E+21	5,381439E+21	2,420542E+21	5,733532E+20	2,861263E+19	2,860814E+19	5,732762E+20	2,420463E+21
-2753	5,381477E+21	8,662520E+21	1,107805E+22	1,107776E+22	8,661913E+21	5,380951E+21	2,420251E+21	5,732669E+20	2,861942E+19	2,863200E+19	5,734318E+20	2,420560E+21
-2752	5,381246E+21	8,661939E+21	1,107733E+22	1,107749E+22	8,662115E+21	5,381311E+21	2,420562E+21	5,734252E+20	2,863838E+19	2,863396E+19	5,733323E+20	2,420282E+21
-2751	5,380933E+21	8,661981E+21	1,107768E+22	1,107769E+22	8,662119E+21	5,381237E+21	2,420522E+21	5,734427E+20	2,864736E+19	2,864778E+19	5,734613E+20	2,420641E+21
-2750	5,381376E+21	8,662120E+21	1,107751E+22	1,107732E+22	8,661752E+21	5,380953E+21	2,420306E+21	5,733222E+20	2,863469E+19	2,864543E+19	5,734539E+20	2,420515E+21
-2749	5,381063E+21	8,661631E+21	1,107713E+22	1,107749E+22	8,662211E+21	5,381402E+21	2,420614E+21	5,734380E+20	2,863372E+19	2,862585E+19	5,733054E+20	2,420334E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2748	5,381156E+21	8,662228E+21	1,107777E+22	1,107766E+22	8,662047E+21	5,381136E+21	2,420377E+21	5,733174E+20	2,862152E+19	2,862400E+19	5,733992E+20	2,420625E+21
-2747	5,381456E+21	8,662328E+21	1,107780E+22	1,107766E+22	8,662071E+21	5,381179E+21	2,420365E+21	5,732534E+20	2,860121E+19	2,860326E+19	5,732460E+20	2,420264E+21
-2746	5,381010E+21	8,662124E+21	1,107817E+22	1,107838E+22	8,662583E+21	5,381460E+21	2,420534E+21	5,733190E+20	2,859702E+19	2,858342E+19	5,731693E+20	2,420327E+21
-2745	5,381436E+21	8,662742E+21	1,107861E+22	1,107848E+22	8,662391E+21	5,381072E+21	2,420141E+21	5,731069E+20	2,857301E+19	2,858238E+19	5,732566E+20	2,420488E+21
-2744	5,381449E+21	8,662571E+21	1,107840E+22	1,107855E+22	8,662730E+21	5,381433E+21	2,420320E+21	5,731120E+20	2,855485E+19	2,855281E+19	5,730569E+20	2,420141E+21
-2743	5,381150E+21	8,662702E+21	1,107903E+22	1,107911E+22	8,662982E+21	5,381530E+21	2,420367E+21	5,731319E+20	2,855574E+19	2,855030E+19	5,730913E+20	2,420392E+21
-2742	5,381668E+21	8,663139E+21	1,107922E+22	1,107897E+22	8,662632E+21	5,381160E+21	2,420077E+21	5,729759E+20	2,853627E+19	2,854948E+19	5,731153E+20	2,420312E+21
-2741	5,381387E+21	8,662688E+21	1,107879E+22	1,107902E+22	8,663015E+21	5,381587E+21	2,420399E+21	5,731237E+20	2,854872E+19	2,854008E+19	5,729984E+20	2,420075E+21
-2740	5,381191E+21	8,662862E+21	1,107911E+22	1,107905E+22	8,662851E+21	5,381394E+21	2,420293E+21	5,731244E+20	2,856239E+19	2,856614E+19	5,731782E+20	2,420456E+21
-2739	5,381530E+21	8,662799E+21	1,107870E+22	1,107853E+22	8,662511E+21	5,381221E+21	2,420209E+21	5,731014E+20	2,856717E+19	2,857601E+19	5,731898E+20	2,420285E+21
-2738	5,381087E+21	8,662151E+21	1,107820E+22	1,107848E+22	8,662692E+21	5,381509E+21	2,420526E+21	5,733095E+20	2,859920E+19	2,859119E+19	5,731983E+20	2,420332E+21
-2737	5,381340E+21	8,662460E+21	1,107809E+22	1,107798E+22	8,662136E+21	5,381045E+21	2,420252E+21	5,732446E+20	2,860991E+19	2,862346E+19	5,734143E+20	2,420642E+21
-2736	5,381454E+21	8,662212E+21	1,107745E+22	1,107733E+22	8,661921E+21	5,381159E+21	2,420432E+21	5,733493E+20	2,862966E+19	2,863203E+19	5,733559E+20	2,420337E+21
-2735	5,380919E+21	8,661816E+21	1,107747E+22	1,107749E+22	8,662023E+21	5,381295E+21	2,420646E+21	5,735240E+20	2,866064E+19	2,865622E+19	5,734429E+20	2,420541E+21
-2734	5,381291E+21	8,662062E+21	1,107737E+22	1,107708E+22	8,661506E+21	5,380811E+21	2,420334E+21	5,734251E+20	2,866490E+19	2,867727E+19	5,735916E+20	2,420650E+21
-2733	5,381090E+21	8,661466E+21	1,107657E+22	1,107677E+22	8,661743E+21	5,381208E+21	2,420635E+21	5,735621E+20	2,867912E+19	2,867590E+19	5,734833E+20	2,420378E+21
-2732	5,380767E+21	8,661410E+21	1,107677E+22	1,107685E+22	8,661695E+21	5,381150E+21	2,420621E+21	5,735829E+20	2,868631E+19	2,868532E+19	5,735897E+20	2,420728E+21
-2731	5,381298E+21	8,661702E+21	1,107669E+22	1,107652E+22	8,661362E+21	5,380883E+21	2,420419E+21	5,734693E+20	2,867395E+19	2,868223E+19	5,735718E+20	2,420557E+21
-2730	5,380935E+21	8,661299E+21	1,107653E+22	1,107681E+22	8,661789E+21	5,381289E+21	2,420717E+21	5,735848E+20	2,867243E+19	2,866103E+19	5,734203E+20	2,420396E+21
-2729	5,381041E+21	8,661839E+21	1,107714E+22	1,107701E+22	8,661617E+21	5,380962E+21	2,420431E+21	5,734488E+20	2,865946E+19	2,866123E+19	5,735257E+20	2,420689E+21
-2728	5,381350E+21	8,661980E+21	1,107720E+22	1,107705E+22	8,661686E+21	5,381024E+21	2,420402E+21	5,733633E+20	2,863461E+19	2,863865E+19	5,733785E+20	2,420345E+21
-2727	5,380882E+21	8,661742E+21	1,107759E+22	1,107782E+22	8,662279E+21	5,381372E+21	2,420583E+21	5,734215E+20	2,862907E+19	2,861798E+19	5,732992E+20	2,420422E+21
-2726	5,381356E+21	8,662427E+21	1,107808E+22	1,107794E+22	8,662084E+21	5,380985E+21	2,420195E+21	5,732053E+20	2,860262E+19	2,861393E+19	5,733706E+20	2,420570E+21
-2725	5,381406E+21	8,662300E+21	1,107784E+22	1,107794E+22	8,662406E+21	5,381352E+21	2,420383E+21	5,732165E+20	2,858570E+19	2,858475E+19	5,731680E+20	2,420195E+21
-2724	5,381018E+21	8,662289E+21	1,107834E+22	1,107840E+22	8,662589E+21	5,381451E+21	2,420474E+21	5,732723E+20	2,859289E+19	2,858597E+19	5,732086E+20	2,420437E+21
-2723	5,381526E+21	8,662719E+21	1,107852E+22	1,107829E+22	8,662261E+21	5,381069E+21	2,420194E+21	5,731427E+20	2,858093E+19	2,859204E+19	5,732594E+20	2,420363E+21
-2722	5,381179E+21	8,662182E+21	1,107805E+22	1,107830E+22	8,662598E+21	5,381460E+21	2,420500E+21	5,732941E+20	2,859621E+19	2,858618E+19	5,731667E+20	2,420201E+21
-2721	5,381060E+21	8,662284E+21	1,107815E+22	1,107814E+22	8,662339E+21	5,381220E+21	2,420360E+21	5,732808E+20	2,860932E+19	2,861482E+19	5,733577E+20	2,420600E+21
-2720	5,381476E+21	8,662346E+21	1,107778E+22	1,107755E+22	8,661921E+21	5,381037E+21	2,420283E+21	5,732498E+20	2,861153E+19	2,862268E+19	5,733630E+20	2,420413E+21
-2719	5,381007E+21	8,661746E+21	1,107740E+22	1,107760E+22	8,662172E+21	5,381363E+21	2,420618E+21	5,734651E+20	2,864450E+19	2,863780E+19	5,733597E+20	2,420425E+21
-2718	5,381244E+21	8,662139E+21	1,107746E+22	1,107722E+22	8,661650E+21	5,380893E+21	2,420346E+21	5,734069E+20	2,865571E+19	2,866869E+19	5,735663E+20	2,420709E+21
-2717	5,381310E+21	8,661814E+21	1,107680E+22	1,107664E+22	8,661503E+21	5,381021E+21	2,420516E+21	5,735084E+20	2,867586E+19	2,867822E+19	5,735122E+20	2,420394E+21
-2716	5,380681E+21	8,661205E+21	1,107659E+22	1,107673E+22	8,661642E+21	5,381208E+21	2,420758E+21	5,736910E+20	2,870717E+19	2,870173E+19	5,736006E+20	2,420624E+21
-2715	5,381117E+21	8,661495E+21	1,107645E+22	1,107628E+22	8,661137E+21	5,380748E+21	2,420456E+21	5,735938E+20	2,871172E+19	2,872264E+19	5,737485E+20	2,420733E+21
-2714	5,380915E+21	8,660928E+21	1,107572E+22	1,107595E+22	8,661303E+21	5,381115E+21	2,420753E+21	5,737209E+20	2,872221E+19	2,871750E+19	5,736312E+20	2,420497E+21
-2713	5,380686E+21	8,660924E+21	1,107588E+22	1,107596E+22	8,661177E+21	5,380994E+21	2,420701E+21	5,737260E+20	2,872692E+19	2,872546E+19	5,737282E+20	2,420815E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2712	5,381241E+21	8,661384E+21	1,107599E+22	1,107569E+22	8,660808E+21	5,380706E+21	2,420492E+21	5,736019E+20	2,871134E+19	2,872016E+19	5,737062E+20	2,420627E+21
-2711	5,380813E+21	8,660958E+21	1,107598E+22	1,107621E+22	8,661379E+21	5,381133E+21	2,420770E+21	5,737091E+20	2,870933E+19	2,869876E+19	5,735554E+20	2,420471E+21
-2710	5,380932E+21	8,661526E+21	1,107665E+22	1,107651E+22	8,661295E+21	5,380824E+21	2,420463E+21	5,735576E+20	2,869322E+19	2,869631E+19	5,736546E+20	2,420780E+21
-2709	5,381272E+21	8,661655E+21	1,107665E+22	1,107652E+22	8,661402E+21	5,380926E+21	2,420430E+21	5,734546E+20	2,866464E+19	2,867077E+19	5,734963E+20	2,420428E+21
-2708	5,380782E+21	8,661320E+21	1,107690E+22	1,107718E+22	8,661965E+21	5,381319E+21	2,420664E+21	5,735308E+20	2,866002E+19	2,864863E+19	5,734033E+20	2,420482E+21
-2707	5,381289E+21	8,662089E+21	1,107743E+22	1,107731E+22	8,661777E+21	5,380946E+21	2,420310E+21	5,733410E+20	2,863817E+19	2,864716E+19	5,734729E+20	2,420587E+21
-2706	5,381249E+21	8,661951E+21	1,107729E+22	1,107733E+22	8,662028E+21	5,381272E+21	2,420501E+21	5,733667E+20	2,862492E+19	2,862117E+19	5,732909E+20	2,420258E+21
-2705	5,380869E+21	8,661800E+21	1,107758E+22	1,107767E+22	8,662143E+21	5,381299E+21	2,420552E+21	5,734216E+20	2,863525E+19	2,862844E+19	5,733572E+20	2,420512E+21
-2704	5,381389E+21	8,662262E+21	1,107773E+22	1,107748E+22	8,661772E+21	5,380913E+21	2,420263E+21	5,732826E+20	2,862249E+19	2,863608E+19	5,734280E+20	2,420481E+21
-2703	5,381053E+21	8,661711E+21	1,107726E+22	1,107751E+22	8,662137E+21	5,381314E+21	2,420564E+21	5,734317E+20	2,863877E+19	2,863162E+19	5,733370E+20	2,420333E+21
-2702	5,380997E+21	8,661900E+21	1,107741E+22	1,107735E+22	8,661858E+21	5,381062E+21	2,420428E+21	5,734210E+20	2,865080E+19	2,865791E+19	5,735125E+20	2,420713E+21
-2701	5,381432E+21	8,662015E+21	1,107708E+22	1,107677E+22	8,661453E+21	5,380894E+21	2,420360E+21	5,733975E+20	2,865486E+19	2,866610E+19	5,735107E+20	2,420484E+21
-2700	5,380855E+21	8,661279E+21	1,107661E+22	1,107677E+22	8,661686E+21	5,381252E+21	2,420748E+21	5,736441E+20	2,869281E+19	2,868398E+19	5,735100E+20	2,420473E+21
-2699	5,381044E+21	8,661609E+21	1,107665E+22	1,107648E+22	8,661253E+21	5,380803E+21	2,420492E+21	5,736077E+20	2,870960E+19	2,871911E+19	5,737319E+20	2,420758E+21
-2698	5,381052E+21	8,661208E+21	1,107594E+22	1,107587E+22	8,661091E+21	5,380923E+21	2,420643E+21	5,736980E+20	2,872855E+19	2,872949E+19	5,736967E+20	2,420526E+21
-2697	5,380518E+21	8,660528E+21	1,107551E+22	1,107575E+22	8,661128E+21	5,381065E+21	2,420848E+21	5,738565E+20	2,875574E+19	2,875115E+19	5,737796E+20	2,420753E+21
-2696	5,381029E+21	8,661000E+21	1,107549E+22	1,107528E+22	8,660548E+21	5,380586E+21	2,420543E+21	5,737392E+20	2,875432E+19	2,876686E+19	5,739109E+20	2,420851E+21
-2695	5,380838E+21	8,660539E+21	1,107496E+22	1,107510E+22	8,660769E+21	5,380947E+21	2,420825E+21	5,738580E+20	2,876200E+19	2,875822E+19	5,737728E+20	2,420580E+21
-2694	5,380619E+21	8,660663E+21	1,107533E+22	1,107528E+22	8,660697E+21	5,380813E+21	2,420756E+21	5,738535E+20	2,876368E+19	2,876206E+19	5,738544E+20	2,420880E+21
-2693	5,381151E+21	8,661103E+21	1,107550E+22	1,107517E+22	8,660459E+21	5,380555E+21	2,420523E+21	5,737119E+20	2,874526E+19	2,875494E+19	5,738275E+20	2,420683E+21
-2692	5,380658E+21	8,660532E+21	1,107536E+22	1,107566E+22	8,661102E+21	5,381061E+21	2,420834E+21	5,738202E+20	2,874209E+19	2,873183E+19	5,736735E+20	2,420542E+21
-2691	5,380827E+21	8,661134E+21	1,107602E+22	1,107599E+22	8,661074E+21	5,380801E+21	2,420558E+21	5,736794E+20	2,872714E+19	2,872908E+19	5,737652E+20	2,420835E+21
-2690	5,381150E+21	8,661280E+21	1,107606E+22	1,107597E+22	8,661120E+21	5,380887E+21	2,420531E+21	5,735766E+20	2,869733E+19	2,870233E+19	5,736076E+20	2,420514E+21
-2689	5,380715E+21	8,660920E+21	1,107615E+22	1,107645E+22	8,661560E+21	5,381220E+21	2,420753E+21	5,736590E+20	2,869519E+19	2,868302E+19	5,735183E+20	2,420530E+21
-2688	5,381185E+21	8,661765E+21	1,107679E+22	1,107657E+22	8,661281E+21	5,380808E+21	2,420402E+21	5,734761E+20	2,867512E+19	2,868436E+19	5,736035E+20	2,420641E+21
-2687	5,381082E+21	8,661538E+21	1,107667E+22	1,107669E+22	8,661597E+21	5,381114E+21	2,420571E+21	5,735066E+20	2,866546E+19	2,866260E+19	5,734421E+20	2,420347E+21
-2686	5,380749E+21	8,661412E+21	1,107691E+22	1,107699E+22	8,661722E+21	5,381137E+21	2,420601E+21	5,735531E+20	2,867523E+19	2,867052E+19	5,735153E+20	2,420633E+21
-2685	5,381315E+21	8,661864E+21	1,107698E+22	1,107673E+22	8,661342E+21	5,380765E+21	2,420305E+21	5,734064E+20	2,866157E+19	2,867696E+19	5,735778E+20	2,420589E+21
-2684	5,380956E+21	8,661241E+21	1,107642E+22	1,107669E+22	8,661684E+21	5,381201E+21	2,420656E+21	5,735765E+20	2,868057E+19	2,867328E+19	5,734794E+20	2,420418E+21
-2683	5,380911E+21	8,661504E+21	1,107665E+22	1,107659E+22	8,661434E+21	5,380963E+21	2,420558E+21	5,735986E+20	2,869857E+19	2,870262E+19	5,736533E+20	2,420751E+21
-2682	5,381236E+21	8,661558E+21	1,107637E+22	1,107605E+22	8,661008E+21	5,380781E+21	2,420494E+21	5,735874E+20	2,870608E+19	2,871452E+19	5,736748E+20	2,420566E+21
-2681	5,380659E+21	8,660671E+21	1,107567E+22	1,107592E+22	8,661203E+21	5,381105E+21	2,420855E+21	5,738286E+20	2,874517E+19	2,873654E+19	5,736943E+20	2,420563E+21
-2680	5,380852E+21	8,661041E+21	1,107569E+22	1,107553E+22	8,660716E+21	5,380665E+21	2,420597E+21	5,737763E+20	2,875892E+19	2,877052E+19	5,739231E+20	2,420885E+21
-2679	5,380890E+21	8,660638E+21	1,107501E+22	1,107497E+22	8,660582E+21	5,380782E+21	2,420732E+21	5,738525E+20	2,877477E+19	2,877863E+19	5,738793E+20	2,420667E+21
-2678	5,380462E+21	8,660115E+21	1,107465E+22	1,107486E+22	8,660596E+21	5,380894E+21	2,420916E+21	5,739955E+20	2,879678E+19	2,879395E+19	5,739360E+20	2,420871E+21
-2677	5,380989E+21	8,660680E+21	1,107476E+22	1,107446E+22	8,660043E+21	5,380416E+21	2,420599E+21	5,738702E+20	2,879309E+19	2,880561E+19	5,740428E+20	2,420921E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2676	5,380716E+21	8,660154E+21	1,107428E+22	1,107438E+22	8,660311E+21	5,380806E+21	2,420912E+21	5,740016E+20	2,880165E+19	2,879627E+19	5,738992E+20	2,420633E+21
-2675	5,380477E+21	8,660266E+21	1,107473E+22	1,107474E+22	8,660377E+21	5,380708E+21	2,420855E+21	5,740091E+20	2,880587E+19	2,880077E+19	5,739811E+20	2,420923E+21
-2674	5,380962E+21	8,660664E+21	1,107489E+22	1,107465E+22	8,660188E+21	5,380492E+21	2,420616E+21	5,738525E+20	2,878431E+19	2,879257E+19	5,739628E+20	2,420787E+21
-2673	5,380548E+21	8,660049E+21	1,107456E+22	1,107495E+22	8,660742E+21	5,380975E+21	2,420910E+21	5,739437E+20	2,877804E+19	2,876798E+19	5,738005E+20	2,420621E+21
-2672	5,380748E+21	8,660787E+21	1,107531E+22	1,107524E+22	8,660648E+21	5,380716E+21	2,420650E+21	5,737967E+20	2,876017E+19	2,876280E+19	5,738816E+20	2,420896E+21
-2671	5,381048E+21	8,660963E+21	1,107547E+22	1,107534E+22	8,660722E+21	5,380774E+21	2,420609E+21	5,736975E+20	2,873126E+19	2,873668E+19	5,737234E+20	2,420566E+21
-2670	5,380624E+21	8,660644E+21	1,107560E+22	1,107585E+22	8,661148E+21	5,381064E+21	2,420810E+21	5,737799E+20	2,872980E+19	2,871787E+19	5,736404E+20	2,420588E+21
-2669	5,381054E+21	8,661411E+21	1,107622E+22	1,107601E+22	8,660928E+21	5,380656E+21	2,420435E+21	5,735907E+20	2,871011E+19	2,872043E+19	5,737334E+20	2,420714E+21
-2668	5,380924E+21	8,661068E+21	1,107593E+22	1,107602E+22	8,661224E+21	5,381001E+21	2,420636E+21	5,736323E+20	2,870286E+19	2,870084E+19	5,735835E+20	2,420446E+21
-2667	5,380640E+21	8,660965E+21	1,107616E+22	1,107632E+22	8,661362E+21	5,381046E+21	2,420700E+21	5,737006E+20	2,871653E+19	2,871084E+19	5,736537E+20	2,420716E+21
-2666	5,381198E+21	8,661451E+21	1,107625E+22	1,107602E+22	8,660951E+21	5,380677E+21	2,420416E+21	5,735618E+20	2,870432E+19	2,871880E+19	5,737264E+20	2,420702E+21
-2665	5,380872E+21	8,660793E+21	1,107554E+22	1,107579E+22	8,661170E+21	5,381064E+21	2,420762E+21	5,737437E+20	2,872751E+19	2,871982E+19	5,736363E+20	2,420489E+21
-2664	5,380767E+21	8,661083E+21	1,107586E+22	1,107571E+22	8,660877E+21	5,380814E+21	2,420677E+21	5,737755E+20	2,874807E+19	2,875243E+19	5,738262E+20	2,420831E+21
-2663	5,381030E+21	8,661021E+21	1,107555E+22	1,107528E+22	8,660533E+21	5,380615E+21	2,420588E+21	5,737653E+20	2,875807E+19	2,876773E+19	5,738663E+20	2,420683E+21
-2662	5,380518E+21	8,660161E+21	1,107475E+22	1,107504E+22	8,660708E+21	5,380939E+21	2,420928E+21	5,739889E+20	2,879329E+19	2,878715E+19	5,738837E+20	2,420706E+21
-2661	5,380743E+21	8,660545E+21	1,107479E+22	1,107464E+22	8,660210E+21	5,380502E+21	2,420658E+21	5,739206E+20	2,880291E+19	2,881575E+19	5,740853E+20	2,421000E+21
-2660	5,380780E+21	8,660145E+21	1,107409E+22	1,107404E+22	8,660057E+21	5,380646E+21	2,420833E+21	5,740057E+20	2,881774E+19	2,882119E+19	5,740246E+20	2,420754E+21
-2659	5,380367E+21	8,659728E+21	1,107390E+22	1,107409E+22	8,660134E+21	5,380769E+21	2,421037E+21	5,741659E+20	2,884188E+19	2,883507E+19	5,740647E+20	2,420907E+21
-2658	5,380811E+21	8,660282E+21	1,107413E+22	1,107383E+22	8,659649E+21	5,380303E+21	2,420709E+21	5,740356E+20	2,883757E+19	2,884719E+19	5,741834E+20	2,420997E+21
-2657	5,380555E+21	8,659663E+21	1,107350E+22	1,107368E+22	8,659922E+21	5,380676E+21	2,420989E+21	5,741492E+20	2,884430E+19	2,883874E+19	5,740471E+20	2,420712E+21
-2656	5,380336E+21	8,659848E+21	1,107401E+22	1,107403E+22	8,659981E+21	5,380612E+21	2,420936E+21	5,741388E+20	2,884436E+19	2,884052E+19	5,741265E+20	2,421022E+21
-2655	5,380834E+21	8,660227E+21	1,107421E+22	1,107404E+22	8,659849E+21	5,380398E+21	2,420687E+21	5,739704E+20	2,881930E+19	2,882950E+19	5,740954E+20	2,420885E+21
-2654	5,380516E+21	8,659771E+21	1,107391E+22	1,107429E+22	8,660363E+21	5,380860E+21	2,420968E+21	5,740494E+20	2,880891E+19	2,880030E+19	5,739179E+20	2,420700E+21
-2653	5,380682E+21	8,660529E+21	1,107475E+22	1,107459E+22	8,660252E+21	5,380585E+21	2,420698E+21	5,739031E+20	2,879089E+19	2,879320E+19	5,739797E+20	2,420923E+21
-2652	5,380886E+21	8,660584E+21	1,107487E+22	1,107472E+22	8,660340E+21	5,380657E+21	2,420689E+21	5,738233E+20	2,876565E+19	2,877029E+19	5,738387E+20	2,420616E+21
-2651	5,380473E+21	8,660235E+21	1,107498E+22	1,107531E+22	8,660833E+21	5,380950E+21	2,420890E+21	5,739223E+20	2,876938E+19	2,875540E+19	5,737696E+20	2,420654E+21
-2650	5,380882E+21	8,660952E+21	1,107552E+22	1,107540E+22	8,660610E+21	5,380569E+21	2,420517E+21	5,737285E+20	2,874946E+19	2,875982E+19	5,738809E+20	2,420846E+21
-2649	5,380843E+21	8,660590E+21	1,107505E+22	1,107519E+22	8,660775E+21	5,380869E+21	2,420706E+21	5,737679E+20	2,874338E+19	2,874222E+19	5,737319E+20	2,420556E+21
-2648	5,380586E+21	8,660624E+21	1,107539E+22	1,107544E+22	8,660837E+21	5,380910E+21	2,420793E+21	5,738444E+20	2,875797E+19	2,875320E+19	5,737990E+20	2,420798E+21
-2647	5,381080E+21	8,661084E+21	1,107557E+22	1,107528E+22	8,660476E+21	5,380530E+21	2,420512E+21	5,737209E+20	2,874950E+19	2,876408E+19	5,738778E+20	2,420773E+21
-2646	5,380757E+21	8,660440E+21	1,107483E+22	1,107504E+22	8,660692E+21	5,380892E+21	2,420842E+21	5,739033E+20	2,877383E+19	2,876738E+19	5,738045E+20	2,420574E+21
-2645	5,380590E+21	8,660606E+21	1,107508E+22	1,107497E+22	8,660451E+21	5,380661E+21	2,420741E+21	5,739296E+20	2,879403E+19	2,879943E+19	5,739912E+20	2,420916E+21
-2644	5,380824E+21	8,660432E+21	1,107462E+22	1,107443E+22	8,660098E+21	5,380512E+21	2,420693E+21	5,739281E+20	2,880502E+19	2,881559E+19	5,740405E+20	2,420804E+21
-2643	5,380381E+21	8,659616E+21	1,107383E+22	1,107421E+22	8,660262E+21	5,380832E+21	2,421053E+21	5,741649E+20	2,884151E+19	2,883363E+19	5,740423E+20	2,420803E+21
-2642	5,380599E+21	8,660050E+21	1,107391E+22	1,107379E+22	8,659746E+21	5,380399E+21	2,420786E+21	5,740967E+20	2,885037E+19	2,886105E+19	5,742425E+20	2,421109E+21
-2641	5,380667E+21	8,659666E+21	1,107317E+22	1,107308E+22	8,659482E+21	5,380481E+21	2,420942E+21	5,741827E+20	2,886650E+19	2,886822E+19	5,741810E+20	2,420824E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2640	5,380214E+21	8,659316E+21	1,107316E+22	1,107324E+22	8,659583E+21	5,380600E+21	2,421138E+21	5,743363E+20	2,888995E+19	2,888236E+19	5,742279E+20	2,420988E+21
-2639	5,380626E+21	8,659799E+21	1,107341E+22	1,107316E+22	8,659254E+21	5,380159E+21	2,420785E+21	5,741921E+20	2,888384E+19	2,889425E+19	5,743511E+20	2,421110E+21
-2638	5,380466E+21	8,659266E+21	1,107274E+22	1,107296E+22	8,659531E+21	5,380541E+21	2,421036E+21	5,742726E+20	2,888287E+19	2,887993E+19	5,742020E+20	2,420835E+21
-2637	5,380265E+21	8,659478E+21	1,107332E+22	1,107334E+22	8,659613E+21	5,380493E+21	2,420975E+21	5,742425E+20	2,887680E+19	2,887378E+19	5,742403E+20	2,421094E+21
-2636	5,380742E+21	8,659863E+21	1,107354E+22	1,107336E+22	8,659480E+21	5,380311E+21	2,420767E+21	5,740831E+20	2,885054E+19	2,886050E+19	5,741971E+20	2,420931E+21
-2635	5,380410E+21	8,659454E+21	1,107336E+22	1,107373E+22	8,660017E+21	5,380768E+21	2,421065E+21	5,741815E+20	2,884322E+19	2,883107E+19	5,740123E+20	2,420713E+21
-2634	5,380493E+21	8,660147E+21	1,107421E+22	1,107410E+22	8,659962E+21	5,380503E+21	2,420787E+21	5,740346E+20	2,882623E+19	2,882704E+19	5,740973E+20	2,420988E+21
-2633	5,380729E+21	8,660118E+21	1,107412E+22	1,107404E+22	8,659968E+21	5,380537E+21	2,420751E+21	5,739502E+20	2,880266E+19	2,880790E+19	5,739754E+20	2,420704E+21
-2632	5,380362E+21	8,659850E+21	1,107428E+22	1,107456E+22	8,660409E+21	5,380838E+21	2,420956E+21	5,740434E+20	2,880634E+19	2,879449E+19	5,739153E+20	2,420769E+21
-2631	5,380796E+21	8,660555E+21	1,107482E+22	1,107471E+22	8,660218E+21	5,380448E+21	2,420585E+21	5,738555E+20	2,878720E+19	2,879969E+19	5,740235E+20	2,420962E+21
-2630	5,380843E+21	8,660329E+21	1,107436E+22	1,107442E+22	8,660321E+21	5,380716E+21	2,420763E+21	5,738935E+20	2,878115E+19	2,878178E+19	5,738739E+20	2,420649E+21
-2629	5,380514E+21	8,660334E+21	1,107478E+22	1,107473E+22	8,660381E+21	5,380750E+21	2,420855E+21	5,739822E+20	2,879805E+19	2,879301E+19	5,739276E+20	2,420837E+21
-2628	5,380886E+21	8,660621E+21	1,107486E+22	1,107458E+22	8,660057E+21	5,380405E+21	2,420617E+21	5,738868E+20	2,879546E+19	2,880921E+19	5,740324E+20	2,420841E+21
-2627	5,380549E+21	8,659902E+21	1,107405E+22	1,107435E+22	8,660316E+21	5,380789E+21	2,420963E+21	5,740880E+20	2,882475E+19	2,881621E+19	5,739731E+20	2,420663E+21
-2626	5,380368E+21	8,659993E+21	1,107416E+22	1,107416E+22	8,660060E+21	5,380586E+21	2,420867E+21	5,741079E+20	2,884390E+19	2,884899E+19	5,741709E+20	2,421049E+21
-2625	5,380683E+21	8,659820E+21	1,107352E+22	1,107338E+22	8,659542E+21	5,380377E+21	2,420807E+21	5,741059E+20	2,885553E+19	2,886591E+19	5,742178E+20	2,420925E+21
-2624	5,380288E+21	8,659174E+21	1,107290E+22	1,107314E+22	8,659635E+21	5,380667E+21	2,421163E+21	5,743395E+20	2,889120E+19	2,888330E+19	5,742123E+20	2,420903E+21
-2623	5,380460E+21	8,659589E+21	1,107311E+22	1,107292E+22	8,659196E+21	5,380216E+21	2,420885E+21	5,742734E+20	2,890052E+19	2,891047E+19	5,744083E+20	2,421201E+21
-2622	5,380569E+21	8,659288E+21	1,107243E+22	1,107229E+22	8,658976E+21	5,380278E+21	2,420998E+21	5,743361E+20	2,891266E+19	2,891603E+19	5,743536E+20	2,420932E+21
-2621	5,380088E+21	8,658902E+21	1,107245E+22	1,107254E+22	8,659167E+21	5,380430E+21	2,421172E+21	5,744661E+20	2,893071E+19	2,892420E+19	5,743751E+20	2,421072E+21
-2620	5,380467E+21	8,659311E+21	1,107265E+22	1,107247E+22	8,658911E+21	5,380083E+21	2,420868E+21	5,743209E+20	2,892170E+19	2,893324E+19	5,744910E+20	2,421207E+21
-2619	5,380365E+21	8,658855E+21	1,107207E+22	1,107235E+22	8,659217E+21	5,380479E+21	2,421134E+21	5,744033E+20	2,891859E+19	2,891434E+19	5,743177E+20	2,420900E+21
-2618	5,380147E+21	8,659095E+21	1,107267E+22	1,107271E+22	8,659301E+21	5,380450E+21	2,421083E+21	5,743713E+20	2,891089E+19	2,890616E+19	5,743479E+20	2,421145E+21
-2617	5,380613E+21	8,659461E+21	1,107282E+22	1,107260E+22	8,659044E+21	5,380201E+21	2,420861E+21	5,742192E+20	2,888704E+19	2,889535E+19	5,743112E+20	2,420970E+21
-2616	5,380265E+21	8,659098E+21	1,107275E+22	1,107302E+22	8,659565E+21	5,380629E+21	2,421141E+21	5,743166E+20	2,888155E+19	2,886885E+19	5,741450E+20	2,420783E+21
-2615	5,380330E+21	8,659689E+21	1,107355E+22	1,107349E+22	8,659607E+21	5,380374E+21	2,420847E+21	5,741656E+20	2,886508E+19	2,886693E+19	5,742406E+20	2,421099E+21
-2614	5,380687E+21	8,659778E+21	1,107343E+22	1,107332E+22	8,659556E+21	5,380386E+21	2,420784E+21	5,740600E+20	2,883781E+19	2,884586E+19	5,741218E+20	2,420833E+21
-2613	5,380336E+21	8,659552E+21	1,107365E+22	1,107387E+22	8,659991E+21	5,380681E+21	2,420984E+21	5,741470E+20	2,883931E+19	2,882850E+19	5,740309E+20	2,420838E+21
-2612	5,380714E+21	8,660224E+21	1,107419E+22	1,107403E+22	8,659836E+21	5,380355E+21	2,420675E+21	5,739868E+20	2,882358E+19	2,883569E+19	5,741412E+20	2,421009E+21
-2611	5,380715E+21	8,659986E+21	1,107381E+22	1,107385E+22	8,659960E+21	5,380617E+21	2,420873E+21	5,740521E+20	2,882386E+19	2,882139E+19	5,739998E+20	2,420680E+21
-2610	5,380293E+21	8,659844E+21	1,107411E+22	1,107414E+22	8,660073E+21	5,380682E+21	2,420975E+21	5,741495E+20	2,884382E+19	2,883793E+19	5,740824E+20	2,420906E+21
-2609	5,380665E+21	8,660006E+21	1,107391E+22	1,107372E+22	8,659622E+21	5,380302E+21	2,420727E+21	5,740607E+20	2,884502E+19	2,885885E+19	5,742109E+20	2,420950E+21
-2608	5,380381E+21	8,659346E+21	1,107309E+22	1,107336E+22	8,659782E+21	5,380674E+21	2,421076E+21	5,742598E+20	2,887487E+19	2,886792E+19	5,741623E+20	2,420804E+21
-2607	5,380242E+21	8,659425E+21	1,107319E+22	1,107321E+22	8,659537E+21	5,380446E+21	2,420974E+21	5,742809E+20	2,889364E+19	2,890000E+19	5,743512E+20	2,421189E+21
-2606	5,380662E+21	8,659432E+21	1,107260E+22	1,107234E+22	8,658920E+21	5,380173E+21	2,420883E+21	5,742677E+20	2,890328E+19	2,891503E+19	5,743944E+20	2,421044E+21
-2605	5,380205E+21	8,658805E+21	1,107215E+22	1,107226E+22	8,659044E+21	5,380435E+21	2,421216E+21	5,744936E+20	2,893710E+19	2,892895E+19	5,743647E+20	2,420971E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2604	5,380289E+21	8,659117E+21	1,107237E+22	1,107218E+22	8,658735E+21	5,380054E+21	2,420971E+21	5,744381E+20	2,894787E+19	2,895744E+19	5,745724E+20	2,421289E+21
-2603	5,380398E+21	8,658793E+21	1,107171E+22	1,107165E+22	8,658616E+21	5,380166E+21	2,421091E+21	5,744979E+20	2,895890E+19	2,896095E+19	5,745092E+20	2,421024E+21
-2602	5,379926E+21	8,658393E+21	1,107169E+22	1,107188E+22	8,658864E+21	5,380385E+21	2,421276E+21	5,746100E+20	2,897168E+19	2,896498E+19	5,745197E+20	2,421166E+21
-2601	5,380350E+21	8,658822E+21	1,107177E+22	1,107162E+22	8,658481E+21	5,380004E+21	2,420976E+21	5,744641E+20	2,896127E+19	2,897154E+19	5,746180E+20	2,421271E+21
-2600	5,380262E+21	8,658507E+21	1,107137E+22	1,107152E+22	8,658744E+21	5,380384E+21	2,421237E+21	5,745419E+20	2,895657E+19	2,895129E+19	5,744388E+20	2,420949E+21
-2599	5,379996E+21	8,658679E+21	1,107204E+22	1,107207E+22	8,658897E+21	5,380329E+21	2,421170E+21	5,745107E+20	2,894941E+19	2,894357E+19	5,744698E+20	2,421197E+21
-2598	5,380513E+21	8,659109E+21	1,107218E+22	1,107195E+22	8,658631E+21	5,380032E+21	2,420898E+21	5,743357E+20	2,892239E+19	2,893263E+19	5,744511E+20	2,421064E+21
-2597	5,380168E+21	8,658750E+21	1,107216E+22	1,107241E+22	8,659185E+21	5,380455E+21	2,421149E+21	5,744122E+20	2,891320E+19	2,890220E+19	5,742682E+20	2,420870E+21
-2596	5,380234E+21	8,659296E+21	1,107292E+22	1,107289E+22	8,659275E+21	5,380282E+21	2,420907E+21	5,742730E+20	2,889715E+19	2,890081E+19	5,743659E+20	2,421198E+21
-2595	5,380635E+21	8,659458E+21	1,107288E+22	1,107279E+22	8,659241E+21	5,380305E+21	2,420865E+21	5,741820E+20	2,887187E+19	2,887868E+19	5,742338E+20	2,420900E+21
-2594	5,380252E+21	8,659234E+21	1,107308E+22	1,107328E+22	8,659682E+21	5,380631E+21	2,421089E+21	5,742804E+20	2,887574E+19	2,886400E+19	5,741479E+20	2,420878E+21
-2593	5,380557E+21	8,659798E+21	1,107347E+22	1,107328E+22	8,659404E+21	5,380257E+21	2,420792E+21	5,741478E+20	2,886706E+19	2,887735E+19	5,742781E+20	2,421053E+21
-2592	5,380528E+21	8,659524E+21	1,107307E+22	1,107306E+22	8,659509E+21	5,380502E+21	2,420979E+21	5,742224E+20	2,887255E+19	2,887003E+19	5,741727E+20	2,420777E+21
-2591	5,380093E+21	8,659215E+21	1,107319E+22	1,107333E+22	8,659653E+21	5,380569E+21	2,421076E+21	5,743218E+20	2,889397E+19	2,888940E+19	5,742668E+20	2,421040E+21
-2590	5,380580E+21	8,659492E+21	1,107293E+22	1,107274E+22	8,659072E+21	5,380132E+21	2,420800E+21	5,742156E+20	2,889234E+19	2,890900E+19	5,744014E+20	2,421110E+21
-2589	5,380336E+21	8,658922E+21	1,107221E+22	1,107237E+22	8,659160E+21	5,380447E+21	2,421127E+21	5,744054E+20	2,891938E+19	2,891336E+19	5,743189E+20	2,420901E+21
-2588	5,380143E+21	8,658989E+21	1,107235E+22	1,107229E+22	8,658972E+21	5,380281E+21	2,421075E+21	5,744467E+20	2,894008E+19	2,894585E+19	5,745053E+20	2,421262E+21
-2587	5,380521E+21	8,659020E+21	1,107194E+22	1,107163E+22	8,658438E+21	5,380011E+21	2,420986E+21	5,744447E+20	2,895244E+19	2,896146E+19	5,745470E+20	2,421103E+21
-2586	5,380014E+21	8,658313E+21	1,107142E+22	1,107160E+22	8,658684E+21	5,380335E+21	2,421317E+21	5,746601E+20	2,898467E+19	2,897625E+19	5,745284E+20	2,421046E+21
-2585	5,380086E+21	8,658536E+21	1,107145E+22	1,107134E+22	8,658322E+21	5,379971E+21	2,421084E+21	5,746076E+20	2,899606E+19	2,900480E+19	5,747386E+20	2,421387E+21
-2584	5,380247E+21	8,658291E+21	1,107087E+22	1,107080E+22	8,658177E+21	5,380089E+21	2,421203E+21	5,746566E+20	2,900452E+19	2,900718E+19	5,746725E+20	2,421134E+21
-2583	5,379800E+21	8,657868E+21	1,107084E+22	1,107109E+22	8,658455E+21	5,380300E+21	2,421388E+21	5,747631E+20	2,901420E+19	2,900720E+19	5,746618E+20	2,421251E+21
-2582	5,380296E+21	8,658470E+21	1,107100E+22	1,107077E+22	8,657974E+21	5,379854E+21	2,421053E+21	5,746000E+20	2,900003E+19	2,901069E+19	5,747553E+20	2,421347E+21
-2581	5,380155E+21	8,658175E+21	1,107077E+22	1,107080E+22	8,658232E+21	5,380174E+21	2,421278E+21	5,746629E+20	2,899195E+19	2,898630E+19	5,745571E+20	2,420996E+21
-2580	5,379837E+21	8,658251E+21	1,107140E+22	1,107146E+22	8,658524E+21	5,380197E+21	2,421233E+21	5,746364E+20	2,898570E+19	2,898012E+19	5,746030E+20	2,421277E+21
-2579	5,380386E+21	8,658707E+21	1,107160E+22	1,107143E+22	8,658328E+21	5,379931E+21	2,420957E+21	5,744558E+20	2,895748E+19	2,896735E+19	5,745782E+20	2,421160E+21
-2578	5,380089E+21	8,658380E+21	1,107155E+22	1,107186E+22	8,658915E+21	5,380398E+21	2,421216E+21	5,745193E+20	2,894554E+19	2,893555E+19	5,743893E+20	2,420959E+21
-2577	5,380173E+21	8,658932E+21	1,107221E+22	1,107216E+22	8,658886E+21	5,380202E+21	2,421001E+21	5,744004E+20	2,893242E+19	2,893501E+19	5,744790E+20	2,421255E+21
-2576	5,380549E+21	8,659167E+21	1,107229E+22	1,107208E+22	8,658822E+21	5,380216E+21	2,420963E+21	5,743215E+20	2,891070E+19	2,891625E+19	5,743568E+20	2,420947E+21
-2575	5,380095E+21	8,658808E+21	1,107245E+22	1,107267E+22	8,659315E+21	5,380532E+21	2,421192E+21	5,744342E+20	2,891846E+19	2,890610E+19	5,742868E+20	2,420933E+21
-2574	5,380425E+21	8,659365E+21	1,107271E+22	1,107253E+22	8,658963E+21	5,380107E+21	2,420860E+21	5,742921E+20	2,891002E+19	2,892226E+19	5,744427E+20	2,421153E+21
-2573	5,380385E+21	8,659049E+21	1,107229E+22	1,107227E+22	8,659024E+21	5,380322E+21	2,421027E+21	5,743555E+20	2,891394E+19	2,891339E+19	5,743323E+20	2,420888E+21
-2572	5,379971E+21	8,658693E+21	1,107231E+22	1,107249E+22	8,659187E+21	5,380447E+21	2,421168E+21	5,744692E+20	2,893686E+19	2,893444E+19	5,744324E+20	2,421161E+21
-2571	5,380492E+21	8,659051E+21	1,107214E+22	1,107193E+22	8,658588E+21	5,379996E+21	2,420901E+21	5,743771E+20	2,893746E+19	2,895282E+19	5,745533E+20	2,421206E+21
-2570	5,380237E+21	8,658518E+21	1,107146E+22	1,107157E+22	8,658684E+21	5,380320E+21	2,421234E+21	5,745706E+20	2,896598E+19	2,895931E+19	5,744728E+20	2,420965E+21
-2569	5,379970E+21	8,658494E+21	1,107151E+22	1,107140E+22	8,658415E+21	5,380120E+21	2,421197E+21	5,746382E+20	2,899245E+19	2,899558E+19	5,746712E+20	2,421328E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2568	5,380317E+21	8,658501E+21	1,107111E+22	1,107079E+22	8,657956E+21	5,379877E+21	2,421097E+21	5,746353E+20	2,900737E+19	2,901554E+19	5,747353E+20	2,421210E+21
-2567	5,379817E+21	8,657692E+21	1,107049E+22	1,107079E+22	8,658276E+21	5,380239E+21	2,421431E+21	5,748398E+20	2,903683E+19	2,902905E+19	5,747138E+20	2,421173E+21
-2566	5,379998E+21	8,658034E+21	1,107050E+22	1,107040E+22	8,657813E+21	5,379837E+21	2,421173E+21	5,747626E+20	2,904227E+19	2,905265E+19	5,749128E+20	2,421517E+21
-2565	5,380176E+21	8,657884E+21	1,107006E+22	1,106993E+22	8,657639E+21	5,379905E+21	2,421266E+21	5,747897E+20	2,904388E+19	2,904721E+19	5,748080E+20	2,421209E+21
-2564	5,379691E+21	8,657457E+21	1,107010E+22	1,107033E+22	8,657994E+21	5,380170E+21	2,421479E+21	5,749018E+20	2,905260E+19	2,904517E+19	5,747910E+20	2,421304E+21
-2563	5,380140E+21	8,658087E+21	1,107044E+22	1,107020E+22	8,657586E+21	5,379717E+21	2,421129E+21	5,747371E+20	2,903794E+19	2,904665E+19	5,748774E+20	2,421402E+21
-2562	5,380005E+21	8,657774E+21	1,107017E+22	1,107027E+22	8,657935E+21	5,380075E+21	2,421337E+21	5,747796E+20	2,902658E+19	2,902188E+19	5,746861E+20	2,421067E+21
-2561	5,379696E+21	8,657809E+21	1,107066E+22	1,107077E+22	8,658157E+21	5,380109E+21	2,421313E+21	5,747614E+20	2,902149E+19	2,901562E+19	5,747317E+20	2,421371E+21
-2560	5,380310E+21	8,658363E+21	1,107095E+22	1,107077E+22	8,657978E+21	5,379862E+21	2,421039E+21	5,745788E+20	2,899311E+19	2,900346E+19	5,747070E+20	2,421260E+21
-2559	5,380032E+21	8,658019E+21	1,107088E+22	1,107123E+22	8,658581E+21	5,380328E+21	2,421307E+21	5,746471E+20	2,898138E+19	2,897091E+19	5,745059E+20	2,421026E+21
-2558	5,380134E+21	8,658662E+21	1,107157E+22	1,107144E+22	8,658441E+21	5,380071E+21	2,421077E+21	5,745293E+20	2,896899E+19	2,897174E+19	5,746032E+20	2,421310E+21
-2557	5,380425E+21	8,658846E+21	1,107174E+22	1,107145E+22	8,658348E+21	5,380012E+21	2,421012E+21	5,744493E+20	2,894814E+19	2,895357E+19	5,744832E+20	2,420994E+21
-2556	5,379910E+21	8,658311E+21	1,107171E+22	1,107202E+22	8,658939E+21	5,380412E+21	2,421274E+21	5,745786E+20	2,896010E+19	2,894867E+19	5,744414E+20	2,421017E+21
-2555	5,380241E+21	8,658862E+21	1,107198E+22	1,107187E+22	8,658589E+21	5,380002E+21	2,420946E+21	5,744403E+20	2,895272E+19	2,896475E+19	5,745963E+20	2,421263E+21
-2554	5,380276E+21	8,658581E+21	1,107147E+22	1,107149E+22	8,658606E+21	5,380222E+21	2,421122E+21	5,745010E+20	2,895654E+19	2,895685E+19	5,744866E+20	2,420985E+21
-2553	5,379862E+21	8,658224E+21	1,107138E+22	1,107152E+22	8,658632E+21	5,380314E+21	2,421290E+21	5,746428E+20	2,898413E+19	2,897992E+19	5,745838E+20	2,421237E+21
-2552	5,380362E+21	8,658639E+21	1,107133E+22	1,107103E+22	8,658046E+21	5,379852E+21	2,421019E+21	5,745640E+20	2,898966E+19	2,900294E+19	5,747195E+20	2,421282E+21
-2551	5,380050E+21	8,657984E+21	1,107062E+22	1,107078E+22	8,658217E+21	5,380172E+21	2,421345E+21	5,747593E+20	2,901983E+19	2,901267E+19	5,746528E+20	2,421059E+21
-2550	5,379825E+21	8,657975E+21	1,107060E+22	1,107052E+22	8,657910E+21	5,379948E+21	2,421277E+21	5,748107E+20	2,904422E+19	2,904911E+19	5,748666E+20	2,421458E+21
-2549	5,380172E+21	8,657986E+21	1,107025E+22	1,106994E+22	8,657436E+21	5,379688E+21	2,421161E+21	5,747867E+20	2,905395E+19	2,906441E+19	5,749127E+20	2,421337E+21
-2548	5,379698E+21	8,657164E+21	1,106959E+22	1,106995E+22	8,657833E+21	5,380137E+21	2,421535E+21	5,749923E+20	2,908074E+19	2,907502E+19	5,748813E+20	2,421286E+21
-2547	5,379884E+21	8,657616E+21	1,106975E+22	1,106963E+22	8,657373E+21	5,379731E+21	2,421279E+21	5,749145E+20	2,908401E+19	2,909276E+19	5,750478E+20	2,421590E+21
-2546	5,380065E+21	8,657508E+21	1,106937E+22	1,106921E+22	8,657215E+21	5,379798E+21	2,421365E+21	5,749322E+20	2,908331E+19	2,908626E+19	5,749379E+20	2,421255E+21
-2545	5,379520E+21	8,657003E+21	1,106933E+22	1,106956E+22	8,657519E+21	5,380026E+21	2,421579E+21	5,750580E+20	2,909484E+19	2,908489E+19	5,749266E+20	2,421367E+21
-2544	5,379966E+21	8,657630E+21	1,106970E+22	1,106951E+22	8,657210E+21	5,379604E+21	2,421207E+21	5,748840E+20	2,908047E+19	2,908821E+19	5,750242E+20	2,421503E+21
-2543	5,379877E+21	8,657305E+21	1,106943E+22	1,106963E+22	8,657605E+21	5,379987E+21	2,421412E+21	5,749104E+20	2,906533E+19	2,906100E+19	5,748257E+20	2,421186E+21
-2542	5,379687E+21	8,657494E+21	1,106994E+22	1,107001E+22	8,657713E+21	5,379971E+21	2,421368E+21	5,748765E+20	2,905628E+19	2,905135E+19	5,748591E+20	2,421467E+21
-2541	5,380272E+21	8,658114E+21	1,107039E+22	1,107011E+22	8,657526E+21	5,379687E+21	2,421084E+21	5,746846E+20	2,902407E+19	2,903446E+19	5,748060E+20	2,421300E+21
-2540	5,379931E+21	8,657725E+21	1,107035E+22	1,107067E+22	8,658226E+21	5,380222E+21	2,421384E+21	5,747681E+20	2,901520E+19	2,900461E+19	5,746183E+20	2,421054E+21
-2539	5,379948E+21	8,658305E+21	1,107109E+22	1,107097E+22	8,658135E+21	5,379967E+21	2,421154E+21	5,746603E+20	2,900532E+19	2,900674E+19	5,747193E+20	2,421348E+21
-2538	5,380242E+21	8,658407E+21	1,107110E+22	1,107091E+22	8,658078E+21	5,379938E+21	2,421084E+21	5,745741E+20	2,898526E+19	2,899226E+19	5,746231E+20	2,421069E+21
-2537	5,379738E+21	8,657787E+21	1,107084E+22	1,107121E+22	8,658518E+21	5,380319E+21	2,421378E+21	5,747285E+20	2,900225E+19	2,899085E+19	5,745945E+20	2,421127E+21
-2536	5,380117E+21	8,658380E+21	1,107110E+22	1,107102E+22	8,658146E+21	5,379903E+21	2,421053E+21	5,746014E+20	2,899844E+19	2,901040E+19	5,747574E+20	2,421382E+21
-2535	5,380181E+21	8,658120E+21	1,107059E+22	1,107062E+22	8,658121E+21	5,380096E+21	2,421233E+21	5,746719E+20	2,900477E+19	2,900447E+19	5,746490E+20	2,421090E+21
-2534	5,379793E+21	8,657846E+21	1,107054E+22	1,107056E+22	8,658013E+21	5,380104E+21	2,421377E+21	5,748157E+20	2,903401E+19	2,903016E+19	5,747579E+20	2,421334E+21
-2533	5,380215E+21	8,658205E+21	1,107057E+22	1,107021E+22	8,657463E+21	5,379603E+21	2,421082E+21	5,747314E+20	2,903938E+19	2,905333E+19	5,748956E+20	2,421381E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2532	5,379876E+21	8,657436E+21	1,106974E+22	1,106999E+22	8,657776E+21	5,380028E+21	2,421432E+21	5,749286E+20	2,907038E+19	2,906566E+19	5,748471E+20	2,421185E+21
-2531	5,379655E+21	8,657449E+21	1,106977E+22	1,106975E+22	8,657494E+21	5,379840E+21	2,421377E+21	5,749753E+20	2,909227E+19	2,909734E+19	5,750385E+20	2,421583E+21
-2530	5,380070E+21	8,657512E+21	1,106939E+22	1,106913E+22	8,657016E+21	5,379599E+21	2,421267E+21	5,749400E+20	2,909852E+19	2,910992E+19	5,750691E+20	2,421423E+21
-2529	5,379567E+21	8,656690E+21	1,106866E+22	1,106900E+22	8,657305E+21	5,380025E+21	2,421669E+21	5,751646E+20	2,912641E+19	2,911814E+19	5,750226E+20	2,421347E+21
-2528	5,379715E+21	8,657176E+21	1,106896E+22	1,106882E+22	8,656903E+21	5,379612E+21	2,421398E+21	5,750891E+20	2,913155E+19	2,913708E+19	5,751899E+20	2,421646E+21
-2527	5,379873E+21	8,657000E+21	1,106859E+22	1,106849E+22	8,656802E+21	5,379670E+21	2,421462E+21	5,750946E+20	2,912868E+19	2,913019E+19	5,750859E+20	2,421337E+21
-2526	5,379397E+21	8,656560E+21	1,106853E+22	1,106876E+22	8,657054E+21	5,379861E+21	2,421633E+21	5,751941E+20	2,913579E+19	2,912661E+19	5,750800E+20	2,421481E+21
-2525	5,379871E+21	8,657252E+21	1,106903E+22	1,106882E+22	8,656759E+21	5,379422E+21	2,421244E+21	5,749954E+20	2,911503E+19	2,912464E+19	5,751560E+20	2,421610E+21
-2524	5,379818E+21	8,656950E+21	1,106877E+22	1,106900E+22	8,657262E+21	5,379887E+21	2,421475E+21	5,750200E+20	2,909786E+19	2,909529E+19	5,749493E+20	2,421269E+21
-2523	5,379613E+21	8,657244E+21	1,106946E+22	1,106947E+22	8,657393E+21	5,379884E+21	2,421441E+21	5,749909E+20	2,908817E+19	2,908165E+19	5,749555E+20	2,421506E+21
-2522	5,380167E+21	8,657843E+21	1,106992E+22	1,106961E+22	8,657222E+21	5,379603E+21	2,421161E+21	5,748018E+20	2,905707E+19	2,906707E+19	5,749087E+20	2,421311E+21
-2521	5,379732E+21	8,657296E+21	1,106967E+22	1,107003E+22	8,657859E+21	5,380120E+21	2,421483E+21	5,749137E+20	2,905460E+19	2,904207E+19	5,747471E+20	2,421108E+21
-2520	5,379737E+21	8,657792E+21	1,107031E+22	1,107031E+22	8,657825E+21	5,379892E+21	2,421245E+21	5,748118E+20	2,904878E+19	2,904977E+19	5,748698E+20	2,421445E+21
-2519	5,380085E+21	8,657867E+21	1,107022E+22	1,107014E+22	8,657708E+21	5,379858E+21	2,421182E+21	5,747235E+20	2,902870E+19	2,903640E+19	5,747836E+20	2,421208E+21
-2518	5,379707E+21	8,657383E+21	1,106994E+22	1,107026E+22	8,657961E+21	5,380145E+21	2,421450E+21	5,748730E+20	2,904530E+19	2,903545E+19	5,747556E+20	2,421254E+21
-2517	5,380065E+21	8,658042E+21	1,107036E+22	1,107015E+22	8,657544E+21	5,379675E+21	2,421115E+21	5,747448E+20	2,904032E+19	2,905323E+19	5,749032E+20	2,421469E+21
-2516	5,380076E+21	8,657739E+21	1,106988E+22	1,106986E+22	8,657626E+21	5,379921E+21	2,421312E+21	5,748291E+20	2,905073E+19	2,905150E+19	5,748128E+20	2,421168E+21
-2515	5,379618E+21	8,657435E+21	1,106990E+22	1,106989E+22	8,657593E+21	5,379948E+21	2,421454E+21	5,749764E+20	2,908102E+19	2,907700E+19	5,749189E+20	2,421418E+21
-2514	5,380045E+21	8,657719E+21	1,106980E+22	1,106951E+22	8,657109E+21	5,379508E+21	2,421171E+21	5,748871E+20	2,908632E+19	2,910188E+19	5,750669E+20	2,421476E+21
-2513	5,379697E+21	8,656872E+21	1,106878E+22	1,106909E+22	8,657320E+21	5,379944E+21	2,421565E+21	5,751063E+20	2,911977E+19	2,911492E+19	5,750222E+20	2,421304E+21
-2512	5,379504E+21	8,656893E+21	1,106879E+22	1,106885E+22	8,657063E+21	5,379766E+21	2,421516E+21	5,751603E+20	2,914310E+19	2,914624E+19	5,752005E+20	2,421674E+21
-2511	5,379924E+21	8,656996E+21	1,106846E+22	1,106822E+22	8,656541E+21	5,379505E+21	2,421408E+21	5,751253E+20	2,914861E+19	2,915777E+19	5,752277E+20	2,421513E+21
-2510	5,379455E+21	8,656258E+21	1,106779E+22	1,106801E+22	8,656674E+21	5,379816E+21	2,421761E+21	5,753374E+20	2,917500E+19	2,916557E+19	5,751850E+20	2,421431E+21
-2509	5,379540E+21	8,656696E+21	1,106819E+22	1,106800E+22	8,656332E+21	5,379368E+21	2,421452E+21	5,752402E+20	2,917614E+19	2,918167E+19	5,753452E+20	2,421740E+21
-2508	5,379722E+21	8,656508E+21	1,106780E+22	1,106777E+22	8,656398E+21	5,379521E+21	2,421515E+21	5,752291E+20	2,917003E+19	2,917389E+19	5,752488E+20	2,421458E+21
-2507	5,379297E+21	8,656190E+21	1,106790E+22	1,106811E+22	8,656684E+21	5,379740E+21	2,421684E+21	5,753117E+20	2,917180E+19	2,916287E+19	5,752094E+20	2,421587E+21
-2506	5,379834E+21	8,656954E+21	1,106844E+22	1,106823E+22	8,656450E+21	5,379346E+21	2,421310E+21	5,751028E+20	2,914725E+19	2,915766E+19	5,752638E+20	2,421659E+21
-2505	5,379722E+21	8,656640E+21	1,106815E+22	1,106833E+22	8,656886E+21	5,379804E+21	2,421573E+21	5,751495E+20	2,913233E+19	2,912764E+19	5,750527E+20	2,421301E+21
-2504	5,379452E+21	8,656871E+21	1,106888E+22	1,106892E+22	8,657100E+21	5,379814E+21	2,421539E+21	5,751318E+20	2,912670E+19	2,911761E+19	5,750658E+20	2,421528E+21
-2503	5,379963E+21	8,657372E+21	1,106925E+22	1,106905E+22	8,656946E+21	5,379537E+21	2,421253E+21	5,749411E+20	2,909629E+19	2,910579E+19	5,750427E+20	2,421390E+21
-2502	5,379604E+21	8,656853E+21	1,106888E+22	1,106923E+22	8,657419E+21	5,379984E+21	2,421543E+21	5,750422E+20	2,909357E+19	2,908285E+19	5,749014E+20	2,421231E+21
-2501	5,379637E+21	8,657354E+21	1,106956E+22	1,106953E+22	8,657338E+21	5,379721E+21	2,421298E+21	5,749315E+20	2,908515E+19	2,908904E+19	5,750145E+20	2,421569E+21
-2500	5,380038E+21	8,657476E+21	1,106945E+22	1,106936E+22	8,657268E+21	5,379728E+21	2,421253E+21	5,748534E+20	2,906714E+19	2,907726E+19	5,749343E+20	2,421317E+21
-2499	5,379648E+21	8,657109E+21	1,106935E+22	1,106952E+22	8,657489E+21	5,379989E+21	2,421522E+21	5,750130E+20	2,908573E+19	2,907534E+19	5,748892E+20	2,421329E+21
-2498	5,379965E+21	8,657715E+21	1,106976E+22	1,106948E+22	8,657112E+21	5,379529E+21	2,421198E+21	5,748965E+20	2,908421E+19	2,909700E+19	5,750471E+20	2,421515E+21
-2497	5,379869E+21	8,657228E+21	1,106908E+22	1,106908E+22	8,657177E+21	5,379786E+21	2,421423E+21	5,750103E+20	2,910138E+19	2,910061E+19	5,749830E+20	2,421256E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2496	5,379404E+21	8,656837E+21	1,106898E+22	1,106911E+22	8,657235E+21	5,379873E+21	2,421576E+21	5,751655E+20	2,913511E+19	2,912989E+19	5,750979E+20	2,421522E+21
-2495	5,379865E+21	8,657105E+21	1,106879E+22	1,106860E+22	8,656684E+21	5,379444E+21	2,421313E+21	5,750779E+20	2,913998E+19	2,915429E+19	5,752478E+20	2,421603E+21
-2494	5,379598E+21	8,656358E+21	1,106775E+22	1,106799E+22	8,656706E+21	5,379786E+21	2,421683E+21	5,752893E+20	2,917149E+19	2,916628E+19	5,751992E+20	2,421416E+21
-2493	5,379374E+21	8,656416E+21	1,106792E+22	1,106788E+22	8,656423E+21	5,379550E+21	2,421609E+21	5,753302E+20	2,919117E+19	2,919399E+19	5,753594E+20	2,421751E+21
-2492	5,379760E+21	8,656498E+21	1,106763E+22	1,106737E+22	8,656016E+21	5,379324E+21	2,421493E+21	5,752906E+20	2,919645E+19	2,920646E+19	5,753988E+20	2,421599E+21
-2491	5,379281E+21	8,655817E+21	1,106709E+22	1,106729E+22	8,656220E+21	5,379635E+21	2,421812E+21	5,754804E+20	2,921830E+19	2,920933E+19	5,753413E+20	2,421536E+21
-2490	5,379423E+21	8,656267E+21	1,106749E+22	1,106733E+22	8,655962E+21	5,379249E+21	2,421505E+21	5,753643E+20	2,921532E+19	2,922266E+19	5,754913E+20	2,421835E+21
-2489	5,379608E+21	8,656067E+21	1,106704E+22	1,106702E+22	8,656002E+21	5,379429E+21	2,421604E+21	5,753626E+20	2,920812E+19	2,921213E+19	5,753859E+20	2,421561E+21
-2488	5,379221E+21	8,655811E+21	1,106720E+22	1,106747E+22	8,656385E+21	5,379685E+21	2,421783E+21	5,754486E+20	2,921011E+19	2,919921E+19	5,753242E+20	2,421639E+21
-2487	5,379732E+21	8,656605E+21	1,106780E+22	1,106759E+22	8,656133E+21	5,379305E+21	2,421426E+21	5,752446E+20	2,918510E+19	2,919319E+19	5,753766E+20	2,421706E+21
-2486	5,379609E+21	8,656299E+21	1,106752E+22	1,106761E+22	8,656429E+21	5,379659E+21	2,421650E+21	5,752849E+20	2,917039E+19	2,916500E+19	5,751819E+20	2,421363E+21
-2485	5,379284E+21	8,656422E+21	1,106824E+22	1,106829E+22	8,656671E+21	5,379641E+21	2,421588E+21	5,752534E+20	2,916299E+19	2,915534E+19	5,752000E+20	2,421606E+21
-2484	5,379817E+21	8,656894E+21	1,106852E+22	1,106838E+22	8,656596E+21	5,379431E+21	2,421310E+21	5,750595E+20	2,913266E+19	2,914538E+19	5,751948E+20	2,421509E+21
-2483	5,379532E+21	8,656515E+21	1,106825E+22	1,106853E+22	8,657001E+21	5,379851E+21	2,421593E+21	5,751544E+20	2,912821E+19	2,911864E+19	5,750326E+20	2,421344E+21
-2482	5,379619E+21	8,657060E+21	1,106893E+22	1,106883E+22	8,656933E+21	5,379606E+21	2,421366E+21	5,750502E+20	2,912036E+19	2,912508E+19	5,751325E+20	2,421623E+21
-2481	5,379941E+21	8,657140E+21	1,106879E+22	1,106860E+22	8,656804E+21	5,379601E+21	2,421356E+21	5,750070E+20	2,910891E+19	2,911674E+19	5,750653E+20	2,421372E+21
-2480	5,379486E+21	8,656672E+21	1,106866E+22	1,106887E+22	8,657125E+21	5,379877E+21	2,421625E+21	5,751845E+20	2,913389E+19	2,912078E+19	5,750317E+20	2,421368E+21
-2479	5,379745E+21	8,657165E+21	1,106895E+22	1,106878E+22	8,656777E+21	5,379460E+21	2,421320E+21	5,750766E+20	2,913484E+19	2,914635E+19	5,752175E+20	2,421615E+21
-2478	5,379706E+21	8,656679E+21	1,106814E+22	1,106814E+22	8,656657E+21	5,379641E+21	2,421521E+21	5,751840E+20	2,915298E+19	2,915351E+19	5,751764E+20	2,421396E+21
-2477	5,379259E+21	8,656250E+21	1,106802E+22	1,106816E+22	8,656669E+21	5,379708E+21	2,421674E+21	5,753306E+20	2,918365E+19	2,918083E+19	5,752788E+20	2,421645E+21
-2476	5,379751E+21	8,656579E+21	1,106783E+22	1,106765E+22	8,656167E+21	5,379313E+21	2,421422E+21	5,752480E+20	2,918918E+19	2,920527E+19	5,754303E+20	2,421717E+21
-2475	5,379490E+21	8,655974E+21	1,106698E+22	1,106705E+22	8,656115E+21	5,379602E+21	2,421773E+21	5,754549E+20	2,921912E+19	2,921356E+19	5,753606E+20	2,421507E+21
-2474	5,379247E+21	8,655974E+21	1,106717E+22	1,106707E+22	8,655905E+21	5,379370E+21	2,421686E+21	5,754899E+20	2,923824E+19	2,924095E+19	5,755169E+20	2,421813E+21
-2473	5,379563E+21	8,655951E+21	1,106676E+22	1,106654E+22	8,655530E+21	5,379164E+21	2,421583E+21	5,754599E+20	2,924496E+19	2,925419E+19	5,755700E+20	2,421712E+21
-2472	5,379129E+21	8,655269E+21	1,106623E+22	1,106654E+22	8,655861E+21	5,379532E+21	2,421898E+21	5,756387E+20	2,926522E+19	2,925535E+19	5,754988E+20	2,421642E+21
-2471	5,379319E+21	8,655796E+21	1,106667E+22	1,106657E+22	8,655603E+21	5,379197E+21	2,421621E+21	5,755175E+20	2,925854E+19	2,926457E+19	5,756361E+20	2,421944E+21
-2470	5,379560E+21	8,655720E+21	1,106630E+22	1,106618E+22	8,655503E+21	5,379295E+21	2,421692E+21	5,755026E+20	2,924786E+19	2,925130E+19	5,755179E+20	2,421636E+21
-2469	5,379123E+21	8,655476E+21	1,106661E+22	1,106678E+22	8,655909E+21	5,379533E+21	2,421859E+21	5,755760E+20	2,924616E+19	2,923496E+19	5,754383E+20	2,421669E+21
-2468	5,379576E+21	8,656212E+21	1,106720E+22	1,106701E+22	8,655790E+21	5,379197E+21	2,421499E+21	5,753706E+20	2,922140E+19	2,923042E+19	5,755049E+20	2,421750E+21
-2467	5,379445E+21	8,655942E+21	1,106698E+22	1,106704E+22	8,656085E+21	5,379537E+21	2,421695E+21	5,753944E+20	2,920372E+19	2,919936E+19	5,753081E+20	2,421451E+21
-2466	5,379184E+21	8,656022E+21	1,106761E+22	1,106770E+22	8,656355E+21	5,379551E+21	2,421639E+21	5,753566E+20	2,919539E+19	2,918973E+19	5,753231E+20	2,421682E+21
-2465	5,379704E+21	8,656453E+21	1,106778E+22	1,106767E+22	8,656210E+21	5,379343E+21	2,421401E+21	5,751871E+20	2,916796E+19	2,918056E+19	5,753237E+20	2,421608E+21
-2464	5,379468E+21	8,656136E+21	1,106756E+22	1,106787E+22	8,656658E+21	5,379765E+21	2,421687E+21	5,752970E+20	2,916824E+19	2,915640E+19	5,751534E+20	2,421400E+21
-2463	5,379518E+21	8,656705E+21	1,106827E+22	1,106812E+22	8,656523E+21	5,379523E+21	2,421488E+21	5,752141E+20	2,916436E+19	2,916644E+19	5,752671E+20	2,421682E+21
-2462	5,379797E+21	8,656721E+21	1,106806E+22	1,106779E+22	8,656269E+21	5,379415E+21	2,421441E+21	5,751745E+20	2,915714E+19	2,916391E+19	5,752294E+20	2,421457E+21
-2461	5,379303E+21	8,656138E+21	1,106787E+22	1,106810E+22	8,656632E+21	5,379699E+21	2,421696E+21	5,753416E+20	2,918165E+19	2,917082E+19	5,752099E+20	2,421473E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2460	5,379581E+21	8,656588E+21	1,106802E+22	1,106793E+22	8,656346E+21	5,379352E+21	2,421412E+21	5,752376E+20	2,918361E+19	2,919820E+19	5,754088E+20	2,421750E+21
-2459	5,379606E+21	8,656231E+21	1,106730E+22	1,106723E+22	8,656135E+21	5,379496E+21	2,421607E+21	5,753383E+20	2,919945E+19	2,920170E+19	5,753503E+20	2,421532E+21
-2458	5,379205E+21	8,655819E+21	1,106718E+22	1,106727E+22	8,656149E+21	5,379565E+21	2,421767E+21	5,754871E+20	2,922937E+19	2,922729E+19	5,754328E+20	2,421708E+21
-2457	5,379585E+21	8,656089E+21	1,106698E+22	1,106673E+22	8,655602E+21	5,379157E+21	2,421543E+21	5,754300E+20	2,923895E+19	2,925299E+19	5,755924E+20	2,421795E+21
-2456	5,379306E+21	8,655436E+21	1,106614E+22	1,106628E+22	8,655666E+21	5,379450E+21	2,421874E+21	5,756375E+20	2,927114E+19	2,926333E+19	5,755228E+20	2,421574E+21
-2455	5,379054E+21	8,655420E+21	1,106629E+22	1,106626E+22	8,655489E+21	5,379272E+21	2,421801E+21	5,756676E+20	2,928855E+19	2,928989E+19	5,756899E+20	2,421929E+21
-2454	5,379434E+21	8,655444E+21	1,106586E+22	1,106562E+22	8,655005E+21	5,379010E+21	2,421669E+21	5,756193E+20	2,929236E+19	2,930229E+19	5,757450E+20	2,421850E+21
-2453	5,379045E+21	8,654812E+21	1,106542E+22	1,106573E+22	8,655365E+21	5,379384E+21	2,421976E+21	5,757756E+20	2,930621E+19	2,929831E+19	5,756491E+20	2,421743E+21
-2452	5,379248E+21	8,655420E+21	1,106594E+22	1,106583E+22	8,655206E+21	5,379109E+21	2,421718E+21	5,756570E+20	2,929829E+19	2,930495E+19	5,757747E+20	2,422013E+21
-2451	5,379467E+21	8,655463E+21	1,106579E+22	1,106553E+22	8,655062E+21	5,379156E+21	2,421764E+21	5,756295E+20	2,928403E+19	2,928713E+19	5,756382E+20	2,421692E+21
-2450	5,378996E+21	8,655106E+21	1,106605E+22	1,106624E+22	8,655553E+21	5,379405E+21	2,421917E+21	5,756956E+20	2,928148E+19	2,927006E+19	5,755539E+20	2,421691E+21
-2449	5,379361E+21	8,655716E+21	1,106649E+22	1,106639E+22	8,655454E+21	5,379101E+21	2,421578E+21	5,755020E+20	2,925855E+19	2,926706E+19	5,756384E+20	2,421839E+21
-2448	5,379308E+21	8,655449E+21	1,106622E+22	1,106641E+22	8,655782E+21	5,379458E+21	2,421772E+21	5,755245E+20	2,924164E+19	2,923609E+19	5,754338E+20	2,421535E+21
-2447	5,379101E+21	8,655611E+21	1,106685E+22	1,106698E+22	8,655999E+21	5,379500E+21	2,421749E+21	5,754945E+20	2,923322E+19	2,922623E+19	5,754503E+20	2,421777E+21
-2446	5,379657E+21	8,656134E+21	1,106707E+22	1,106685E+22	8,655687E+21	5,379181E+21	2,421480E+21	5,753260E+20	2,920736E+19	2,921926E+19	5,754570E+20	2,421691E+21
-2445	5,379378E+21	8,655792E+21	1,106694E+22	1,106716E+22	8,656142E+21	5,379577E+21	2,421750E+21	5,754302E+20	2,920810E+19	2,919722E+19	5,752903E+20	2,421457E+21
-2444	5,379368E+21	8,656284E+21	1,106759E+22	1,106748E+22	8,656137E+21	5,379389E+21	2,421560E+21	5,753578E+20	2,920732E+19	2,921146E+19	5,754268E+20	2,421761E+21
-2443	5,379648E+21	8,656333E+21	1,106741E+22	1,106710E+22	8,655845E+21	5,379266E+21	2,421495E+21	5,753090E+20	2,919943E+19	2,920853E+19	5,753946E+20	2,421579E+21
-2442	5,379201E+21	8,655672E+21	1,106708E+22	1,106735E+22	8,656223E+21	5,379588E+21	2,421771E+21	5,754791E+20	2,922415E+19	2,921601E+19	5,753694E+20	2,421563E+21
-2441	5,379430E+21	8,656057E+21	1,106711E+22	1,106705E+22	8,655880E+21	5,379257E+21	2,421537E+21	5,754056E+20	2,923008E+19	2,924440E+19	5,755721E+20	2,421859E+21
-2440	5,379493E+21	8,655728E+21	1,106640E+22	1,106638E+22	8,655676E+21	5,379390E+21	2,421739E+21	5,755235E+20	2,925041E+19	2,924996E+19	5,755058E+20	2,421600E+21
-2439	5,379052E+21	8,655335E+21	1,106630E+22	1,106637E+22	8,655632E+21	5,379455E+21	2,421919E+21	5,756872E+20	2,928272E+19	2,927765E+19	5,756018E+20	2,421788E+21
-2438	5,379392E+21	8,655539E+21	1,106605E+22	1,106576E+22	8,654976E+21	5,378939E+21	2,421644E+21	5,756244E+20	2,929446E+19	2,930703E+19	5,757824E+20	2,421910E+21
-2437	5,379127E+21	8,654852E+21	1,106521E+22	1,106538E+22	8,655099E+21	5,379248E+21	2,421947E+21	5,758046E+20	2,932249E+19	2,931676E+19	5,757136E+20	2,421704E+21
-2436	5,378924E+21	8,654886E+21	1,106536E+22	1,106539E+22	8,655019E+21	5,379143E+21	2,421890E+21	5,758287E+20	2,933722E+19	2,934040E+19	5,758730E+20	2,422060E+21
-2435	5,379368E+21	8,655093E+21	1,106513E+22	1,106481E+22	8,654512E+21	5,378862E+21	2,421743E+21	5,757610E+20	2,933491E+19	2,934576E+19	5,758967E+20	2,421962E+21
-2434	5,379005E+21	8,654497E+21	1,106477E+22	1,106503E+22	8,654943E+21	5,379261E+21	2,422051E+21	5,759080E+20	2,934481E+19	2,933669E+19	5,757702E+20	2,421768E+21
-2433	5,379066E+21	8,655004E+21	1,106527E+22	1,106516E+22	8,654810E+21	5,379010E+21	2,421828E+21	5,758064E+20	2,933820E+19	2,934222E+19	5,758953E+20	2,422049E+21
-2432	5,379267E+21	8,654969E+21	1,106512E+22	1,106501E+22	8,654787E+21	5,379071E+21	2,421853E+21	5,757723E+20	2,932392E+19	2,932487E+19	5,757596E+20	2,421733E+21
-2431	5,378818E+21	8,654623E+21	1,106530E+22	1,106560E+22	8,655251E+21	5,379356E+21	2,422017E+21	5,758325E+20	2,931968E+19	2,930738E+19	5,756904E+20	2,421785E+21
-2430	5,379223E+21	8,655239E+21	1,106568E+22	1,106559E+22	8,654994E+21	5,378967E+21	2,421648E+21	5,756283E+20	2,929571E+19	2,930500E+19	5,757795E+20	2,421962E+21
-2429	5,379254E+21	8,655072E+21	1,106550E+22	1,106567E+22	8,655312E+21	5,379306E+21	2,421826E+21	5,756348E+20	2,927576E+19	2,927264E+19	5,755656E+20	2,421635E+21
-2428	5,379070E+21	8,655331E+21	1,106619E+22	1,106626E+22	8,655572E+21	5,379375E+21	2,421822E+21	5,756207E+20	2,926980E+19	2,926391E+19	5,755807E+20	2,421847E+21
-2427	5,379592E+21	8,655938E+21	1,106659E+22	1,106622E+22	8,655224E+21	5,379005E+21	2,421532E+21	5,754504E+20	2,924416E+19	2,925650E+19	5,755858E+20	2,421767E+21
-2426	5,379276E+21	8,655453E+21	1,106637E+22	1,106660E+22	8,655771E+21	5,379418E+21	2,421792E+21	5,755558E+20	2,924704E+19	2,923720E+19	5,754257E+20	2,421503E+21
-2425	5,379157E+21	8,655763E+21	1,106682E+22	1,106681E+22	8,655786E+21	5,379298E+21	2,421654E+21	5,755077E+20	2,925036E+19	2,925482E+19	5,755819E+20	2,421862E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2424	5,379495E+21	8,655785E+21	1,106656E+22	1,106640E+22	8,655505E+21	5,379195E+21	2,421605E+21	5,754709E+20	2,924603E+19	2,925395E+19	5,755482E+20	2,421673E+21
-2423	5,379087E+21	8,655189E+21	1,106616E+22	1,106647E+22	8,655786E+21	5,379533E+21	2,421923E+21	5,756593E+20	2,927262E+19	2,926294E+19	5,755305E+20	2,421658E+21
-2422	5,379288E+21	8,655574E+21	1,106618E+22	1,106605E+22	8,655266E+21	5,379086E+21	2,421661E+21	5,755947E+20	2,928205E+19	2,929431E+19	5,757398E+20	2,421948E+21
-2421	5,379332E+21	8,655226E+21	1,106553E+22	1,106545E+22	8,655053E+21	5,379179E+21	2,421835E+21	5,757030E+20	2,930274E+19	2,930268E+19	5,756848E+20	2,421684E+21
-2420	5,378866E+21	8,654793E+21	1,106539E+22	1,106549E+22	8,655116E+21	5,379277E+21	2,422010E+21	5,758674E+20	2,933585E+19	2,933211E+19	5,757959E+20	2,421902E+21
-2419	5,379244E+21	8,655086E+21	1,106522E+22	1,106489E+22	8,654447E+21	5,378749E+21	2,421705E+21	5,757815E+20	2,934341E+19	2,935817E+19	5,759717E+20	2,422066E+21
-2418	5,379046E+21	8,654386E+21	1,106438E+22	1,106457E+22	8,654635E+21	5,379094E+21	2,422007E+21	5,759460E+20	2,936684E+19	2,936366E+19	5,758779E+20	2,421807E+21
-2417	5,378801E+21	8,654413E+21	1,106452E+22	1,106458E+22	8,654589E+21	5,379048E+21	2,422004E+21	5,759876E+20	2,938157E+19	2,938397E+19	5,760233E+20	2,422158E+21
-2416	5,379267E+21	8,654668E+21	1,106438E+22	1,106411E+22	8,654134E+21	5,378777E+21	2,421864E+21	5,759259E+20	2,937997E+19	2,938758E+19	5,760242E+20	2,421999E+21
-2415	5,378843E+21	8,654079E+21	1,106405E+22	1,106433E+22	8,654556E+21	5,379192E+21	2,422187E+21	5,760759E+20	2,938882E+19	2,937768E+19	5,759068E+20	2,421817E+21
-2414	5,378842E+21	8,654485E+21	1,106448E+22	1,106440E+22	8,654342E+21	5,378849E+21	2,421910E+21	5,759612E+20	2,938216E+19	2,938481E+19	5,760437E+20	2,422137E+21
-2413	5,379096E+21	8,654442E+21	1,106429E+22	1,106424E+22	8,654337E+21	5,378920E+21	2,421909E+21	5,758967E+20	2,936272E+19	2,936633E+19	5,759114E+20	2,421848E+21
-2412	5,378731E+21	8,654191E+21	1,106449E+22	1,106482E+22	8,654841E+21	5,379241E+21	2,422082E+21	5,759524E+20	2,935627E+19	2,934611E+19	5,758345E+20	2,421905E+21
-2411	5,379213E+21	8,655016E+21	1,106507E+22	1,106487E+22	8,654525E+21	5,378805E+21	2,421692E+21	5,757348E+20	2,932819E+19	2,933898E+19	5,759005E+20	2,422067E+21
-2410	5,379250E+21	8,654878E+21	1,106501E+22	1,106507E+22	8,654900E+21	5,379145E+21	2,421861E+21	5,757396E+20	2,930782E+19	2,930488E+19	5,756670E+20	2,421658E+21
-2409	5,378923E+21	8,655011E+21	1,106567E+22	1,106572E+22	8,655222E+21	5,379259E+21	2,421902E+21	5,757539E+20	2,930669E+19	2,929920E+19	5,756957E+20	2,421887E+21
-2408	5,379413E+21	8,655496E+21	1,106598E+22	1,106576E+22	8,654982E+21	5,378925E+21	2,421618E+21	5,755944E+20	2,928506E+19	2,929527E+19	5,757098E+20	2,421809E+21
-2407	5,379096E+21	8,654983E+21	1,106562E+22	1,106596E+22	8,655487E+21	5,379392E+21	2,421916E+21	5,757111E+20	2,929012E+19	2,927976E+19	5,755794E+20	2,421599E+21
-2406	5,378973E+21	8,655208E+21	1,106592E+22	1,106595E+22	8,655318E+21	5,379185E+21	2,421767E+21	5,756718E+20	2,929656E+19	2,930104E+19	5,757446E+20	2,421977E+21
-2405	5,379378E+21	8,655280E+21	1,106564E+22	1,106548E+22	8,654981E+21	5,379061E+21	2,421713E+21	5,756330E+20	2,929322E+19	2,930270E+19	5,757192E+20	2,421782E+21
-2404	5,378984E+21	8,654752E+21	1,106526E+22	1,106551E+22	8,655230E+21	5,379386E+21	2,422040E+21	5,758394E+20	2,932352E+19	2,931432E+19	5,757077E+20	2,421755E+21
-2403	5,379153E+21	8,655183E+21	1,106540E+22	1,106515E+22	8,654649E+21	5,378858E+21	2,421739E+21	5,757675E+20	2,933292E+19	2,934565E+19	5,759210E+20	2,422069E+21
-2402	5,379200E+21	8,654747E+21	1,106471E+22	1,106463E+22	8,654527E+21	5,378952E+21	2,421880E+21	5,758643E+20	2,935305E+19	2,935451E+19	5,758661E+20	2,421785E+21
-2401	5,378676E+21	8,654214E+21	1,106444E+22	1,106461E+22	8,654638E+21	5,379129E+21	2,422098E+21	5,760382E+20	2,938638E+19	2,938307E+19	5,759790E+20	2,422039E+21
-2400	5,379118E+21	8,654534E+21	1,106432E+22	1,106411E+22	8,654045E+21	5,378651E+21	2,421818E+21	5,759550E+20	2,939358E+19	2,940667E+19	5,761323E+20	2,422167E+21
-2399	5,378955E+21	8,653966E+21	1,106353E+22	1,106373E+22	8,654206E+21	5,379029E+21	2,422150E+21	5,761222E+20	2,941456E+19	2,940996E+19	5,760345E+20	2,421889E+21
-2398	5,378638E+21	8,653945E+21	1,106369E+22	1,106369E+22	8,654052E+21	5,378904E+21	2,422125E+21	5,761637E+20	2,942966E+19	2,942926E+19	5,761685E+20	2,422217E+21
-2397	5,379084E+21	8,654185E+21	1,106361E+22	1,106333E+22	8,653659E+21	5,378630E+21	2,421954E+21	5,760795E+20	2,942482E+19	2,943300E+19	5,761760E+20	2,422062E+21
-2396	5,378660E+21	8,653592E+21	1,106323E+22	1,106356E+22	8,654150E+21	5,379068E+21	2,422264E+21	5,762194E+20	2,943111E+19	2,942116E+19	5,760632E+20	2,421911E+21
-2395	5,378710E+21	8,654086E+21	1,106375E+22	1,106365E+22	8,653898E+21	5,378694E+21	2,421951E+21	5,760758E+20	2,941847E+19	2,942333E+19	5,761880E+20	2,422269E+21
-2394	5,379054E+21	8,654088E+21	1,106362E+22	1,106356E+22	8,653932E+21	5,378764E+21	2,421934E+21	5,759955E+20	2,939425E+19	2,940013E+19	5,760312E+20	2,421932E+21
-2393	5,378661E+21	8,653865E+21	1,106385E+22	1,106416E+22	8,654465E+21	5,379135E+21	2,422156E+21	5,760699E+20	2,938914E+19	2,937829E+19	5,759454E+20	2,421982E+21
-2392	5,379145E+21	8,654724E+21	1,106456E+22	1,106435E+22	8,654214E+21	5,378721E+21	2,421786E+21	5,758697E+20	2,936452E+19	2,937212E+19	5,759987E+20	2,422089E+21
-2391	5,379120E+21	8,654576E+21	1,106449E+22	1,106454E+22	8,654590E+21	5,379075E+21	2,421970E+21	5,758857E+20	2,934703E+19	2,934188E+19	5,757925E+20	2,421702E+21
-2390	5,378705E+21	8,654523E+21	1,106496E+22	1,106506E+22	8,654842E+21	5,379132E+21	2,421984E+21	5,759044E+20	2,935000E+19	2,934143E+19	5,758399E+20	2,421968E+21
-2389	5,379240E+21	8,654966E+21	1,106516E+22	1,106499E+22	8,654592E+21	5,378824E+21	2,421695E+21	5,757344E+20	2,932821E+19	2,934076E+19	5,758722E+20	2,421921E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2388	5,378983E+21	8,654504E+21	1,106472E+22	1,106509E+22	8,655047E+21	5,379297E+21	2,422018E+21	5,758648E+20	2,933523E+19	2,932660E+19	5,757485E+20	2,421725E+21
-2387	5,378908E+21	8,654847E+21	1,106512E+22	1,106505E+22	8,654770E+21	5,379015E+21	2,421847E+21	5,758212E+20	2,934051E+19	2,934647E+19	5,759041E+20	2,422094E+21
-2386	5,379305E+21	8,654907E+21	1,106488E+22	1,106463E+22	8,654433E+21	5,378855E+21	2,421774E+21	5,757847E+20	2,933823E+19	2,934810E+19	5,758708E+20	2,421845E+21
-2385	5,378799E+21	8,654269E+21	1,106447E+22	1,106470E+22	8,654725E+21	5,379210E+21	2,422130E+21	5,760100E+20	2,937243E+19	2,936293E+19	5,758759E+20	2,421851E+21
-2384	5,378975E+21	8,654631E+21	1,106458E+22	1,106441E+22	8,654230E+21	5,378718E+21	2,421833E+21	5,759437E+20	2,938429E+19	2,939556E+19	5,760885E+20	2,422161E+21
-2383	5,379037E+21	8,654225E+21	1,106382E+22	1,106378E+22	8,654099E+21	5,378864E+21	2,422001E+21	5,760411E+20	2,940390E+19	2,940564E+19	5,760502E+20	2,421909E+21
-2382	5,378515E+21	8,653646E+21	1,106347E+22	1,106367E+22	8,654114E+21	5,378987E+21	2,422208E+21	5,762166E+20	2,943770E+19	2,943393E+19	5,761534E+20	2,422159E+21
-2381	5,379015E+21	8,654044E+21	1,106339E+22	1,106316E+22	8,653535E+21	5,378535E+21	2,421936E+21	5,761286E+20	2,944386E+19	2,945728E+19	5,763011E+20	2,422256E+21
-2380	5,378827E+21	8,653536E+21	1,106269E+22	1,106283E+22	8,653700E+21	5,378912E+21	2,422279E+21	5,763025E+20	2,946453E+19	2,945936E+19	5,762000E+20	2,421966E+21
-2379	5,378476E+21	8,653523E+21	1,106296E+22	1,106289E+22	8,653519E+21	5,378710E+21	2,422202E+21	5,763227E+20	2,947595E+19	2,947538E+19	5,763278E+20	2,422306E+21
-2378	5,378923E+21	8,653694E+21	1,106284E+22	1,106260E+22	8,653215E+21	5,378443E+21	2,421991E+21	5,762131E+20	2,946623E+19	2,947570E+19	5,763256E+20	2,422143E+21
-2377	5,378488E+21	8,653079E+21	1,106241E+22	1,106279E+22	8,653741E+21	5,378949E+21	2,422333E+21	5,763498E+20	2,946986E+19	2,946044E+19	5,762073E+20	2,422030E+21
-2376	5,378630E+21	8,653645E+21	1,106303E+22	1,106299E+22	8,653548E+21	5,378609E+21	2,422037E+21	5,762068E+20	2,945587E+19	2,945876E+19	5,763020E+20	2,422342E+21
-2375	5,379007E+21	8,653808E+21	1,106301E+22	1,106291E+22	8,653580E+21	5,378699E+21	2,422039E+21	5,761297E+20	2,943025E+19	2,943445E+19	5,761469E+20	2,421988E+21
-2374	5,378535E+21	8,653524E+21	1,106326E+22	1,106350E+22	8,654036E+21	5,378997E+21	2,422238E+21	5,762099E+20	2,942802E+19	2,941448E+19	5,760593E+20	2,422024E+21
-2373	5,378996E+21	8,654329E+21	1,106396E+22	1,106376E+22	8,653870E+21	5,378615E+21	2,421860E+21	5,760032E+20	2,940398E+19	2,941225E+19	5,761326E+20	2,422142E+21
-2372	5,378958E+21	8,654149E+21	1,106380E+22	1,106389E+22	8,654268E+21	5,378991E+21	2,422047E+21	5,760196E+20	2,938724E+19	2,938382E+19	5,759456E+20	2,421802E+21
-2371	5,378584E+21	8,654105E+21	1,106424E+22	1,106433E+22	8,654429E+21	5,379005E+21	2,422040E+21	5,760242E+20	2,938775E+19	2,938234E+19	5,759913E+20	2,422094E+21
-2370	5,379175E+21	8,654564E+21	1,106442E+22	1,106425E+22	8,654168E+21	5,378679E+21	2,421743E+21	5,758530E+20	2,936508E+19	2,938014E+19	5,760120E+20	2,422014E+21
-2369	5,378895E+21	8,654107E+21	1,106394E+22	1,106424E+22	8,654574E+21	5,379177E+21	2,422115E+21	5,760120E+20	2,937664E+19	2,936780E+19	5,758916E+20	2,421816E+21
-2368	5,378797E+21	8,654418E+21	1,106441E+22	1,106431E+22	8,654318E+21	5,378891E+21	2,421962E+21	5,759919E+20	2,938710E+19	2,939013E+19	5,760407E+20	2,422144E+21
-2367	5,379145E+21	8,654472E+21	1,106415E+22	1,106388E+22	8,653974E+21	5,378718E+21	2,421889E+21	5,759663E+20	2,938877E+19	2,939722E+19	5,760437E+20	2,421932E+21
-2366	5,378574E+21	8,653658E+21	1,106353E+22	1,106380E+22	8,654195E+21	5,379022E+21	2,422214E+21	5,761920E+20	2,942623E+19	2,941616E+19	5,760609E+20	2,421973E+21
-2365	5,378819E+21	8,654036E+21	1,106358E+22	1,106345E+22	8,653735E+21	5,378594E+21	2,421931E+21	5,761179E+20	2,943741E+19	2,945046E+19	5,762819E+20	2,422294E+21
-2364	5,378934E+21	8,653729E+21	1,106286E+22	1,106280E+22	8,653577E+21	5,378746E+21	2,422122E+21	5,762222E+20	2,945677E+19	2,945954E+19	5,762372E+20	2,422036E+21
-2363	5,378439E+21	8,653251E+21	1,106264E+22	1,106272E+22	8,653540E+21	5,378817E+21	2,422306E+21	5,763853E+20	2,948697E+19	2,948362E+19	5,763201E+20	2,422253E+21
-2362	5,378897E+21	8,653631E+21	1,106263E+22	1,106235E+22	8,653018E+21	5,378347E+21	2,422011E+21	5,762896E+20	2,949091E+19	2,950374E+19	5,764516E+20	2,422302E+21
-2361	5,378609E+21	8,653012E+21	1,106190E+22	1,106205E+22	8,653254E+21	5,378774E+21	2,422373E+21	5,764646E+20	2,951057E+19	2,950508E+19	5,763589E+20	2,422053E+21
-2360	5,378281E+21	8,652942E+21	1,106216E+22	1,106222E+22	8,653161E+21	5,378613E+21	2,422295E+21	5,764762E+20	2,952012E+19	2,951794E+19	5,764713E+20	2,422385E+21
-2359	5,378778E+21	8,653210E+21	1,106205E+22	1,106186E+22	8,652839E+21	5,378370E+21	2,422093E+21	5,763552E+20	2,950656E+19	2,951668E+19	5,764781E+20	2,422255E+21
-2358	5,378371E+21	8,652601E+21	1,106160E+22	1,106198E+22	8,653272E+21	5,378812E+21	2,422411E+21	5,764864E+20	2,950936E+19	2,949926E+19	5,763421E+20	2,422134E+21
-2357	5,378588E+21	8,653303E+21	1,106231E+22	1,106220E+22	8,653120E+21	5,378513E+21	2,422124E+21	5,763409E+20	2,949493E+19	2,949793E+19	5,764317E+20	2,422408E+21
-2356	5,378927E+21	8,653522E+21	1,106243E+22	1,106223E+22	8,653165E+21	5,378588E+21	2,422131E+21	5,762712E+20	2,947011E+19	2,947374E+19	5,762794E+20	2,422054E+21
-2355	5,378433E+21	8,653215E+21	1,106272E+22	1,106290E+22	8,653622E+21	5,378826E+21	2,422281E+21	5,763331E+20	2,946597E+19	2,945336E+19	5,761956E+20	2,422104E+21
-2354	5,378874E+21	8,653917E+21	1,106331E+22	1,106316E+22	8,653526E+21	5,378466E+21	2,421886E+21	5,761138E+20	2,943939E+19	2,944946E+19	5,762626E+20	2,422212E+21
-2353	5,378810E+21	8,653683E+21	1,106307E+22	1,106319E+22	8,653914E+21	5,378910E+21	2,422122E+21	5,761407E+20	2,942341E+19	2,942129E+19	5,760843E+20	2,421916E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2352	5,378504E+21	8,653658E+21	1,106353E+22	1,106366E+22	8,654059E+21	5,378931E+21	2,422142E+21	5,761626E+20	2,942639E+19	2,941960E+19	5,761104E+20	2,422149E+21
-2351	5,379078E+21	8,654209E+21	1,106373E+22	1,106350E+22	8,653742E+21	5,378598E+21	2,421867E+21	5,760086E+20	2,940677E+19	2,942041E+19	5,761486E+20	2,422070E+21
-2350	5,378718E+21	8,653645E+21	1,106319E+22	1,106342E+22	8,654038E+21	5,379000E+21	2,422210E+21	5,761820E+20	2,942457E+19	2,941334E+19	5,760402E+20	2,421882E+21
-2349	5,378630E+21	8,653907E+21	1,106356E+22	1,106347E+22	8,653841E+21	5,378750E+21	2,422055E+21	5,761651E+20	2,943814E+19	2,944154E+19	5,762151E+20	2,422227E+21
-2348	5,378971E+21	8,653938E+21	1,106326E+22	1,106300E+22	8,653502E+21	5,378587E+21	2,421988E+21	5,761432E+20	2,944157E+19	2,945100E+19	5,762370E+20	2,422068E+21
-2347	5,378462E+21	8,653161E+21	1,106265E+22	1,106289E+22	8,653651E+21	5,378842E+21	2,422286E+21	5,763512E+20	2,947594E+19	2,946873E+19	5,762502E+20	2,422119E+21
-2346	5,378740E+21	8,653558E+21	1,106270E+22	1,106256E+22	8,653224E+21	5,378423E+21	2,422007E+21	5,762765E+20	2,948518E+19	2,949959E+19	5,764510E+20	2,422391E+21
-2345	5,378808E+21	8,653266E+21	1,106201E+22	1,106189E+22	8,653072E+21	5,378631E+21	2,422244E+21	5,763983E+20	2,950632E+19	2,950895E+19	5,764067E+20	2,422132E+21
-2344	5,378282E+21	8,652745E+21	1,106187E+22	1,106196E+22	8,653075E+21	5,378703E+21	2,422438E+21	5,765712E+20	2,953782E+19	2,953155E+19	5,764719E+20	2,422296E+21
-2343	5,378687E+21	8,653111E+21	1,106184E+22	1,106158E+22	8,652587E+21	5,378237E+21	2,422134E+21	5,764707E+20	2,954130E+19	2,955297E+19	5,766251E+20	2,422388E+21
-2342	5,378376E+21	8,652367E+21	1,106093E+22	1,106115E+22	8,652745E+21	5,378613E+21	2,422457E+21	5,766313E+20	2,955956E+19	2,955348E+19	5,765296E+20	2,422176E+21
-2341	5,378163E+21	8,652386E+21	1,106119E+22	1,106128E+22	8,652690E+21	5,378509E+21	2,422385E+21	5,766271E+20	2,956571E+19	2,956443E+19	5,766355E+20	2,422505E+21
-2340	5,378722E+21	8,652813E+21	1,106123E+22	1,106100E+22	8,652360E+21	5,378253E+21	2,422190E+21	5,765024E+20	2,954888E+19	2,955926E+19	5,766268E+20	2,422368E+21
-2339	5,378354E+21	8,652335E+21	1,106098E+22	1,106123E+22	8,652764E+21	5,378630E+21	2,422463E+21	5,766101E+20	2,954676E+19	2,953711E+19	5,764695E+20	2,422210E+21
-2338	5,378521E+21	8,653034E+21	1,106181E+22	1,106164E+22	8,652718E+21	5,378338E+21	2,422163E+21	5,764569E+20	2,952977E+19	2,953262E+19	5,765437E+20	2,422438E+21
-2337	5,378765E+21	8,653153E+21	1,106189E+22	1,106170E+22	8,652852E+21	5,378485E+21	2,422191E+21	5,763883E+20	2,950473E+19	2,950878E+19	5,764027E+20	2,422119E+21
-2336	5,378274E+21	8,652763E+21	1,106213E+22	1,106241E+22	8,653370E+21	5,378775E+21	2,422360E+21	5,764526E+20	2,950073E+19	2,948717E+19	5,763074E+20	2,422149E+21
-2335	5,378734E+21	8,653505E+21	1,106266E+22	1,106257E+22	8,653237E+21	5,378429E+21	2,421987E+21	5,762382E+20	2,947431E+19	2,948512E+19	5,763910E+20	2,422289E+21
-2334	5,378672E+21	8,653204E+21	1,106227E+22	1,106241E+22	8,653469E+21	5,378796E+21	2,422216E+21	5,762808E+20	2,946267E+19	2,945936E+19	5,762142E+20	2,422001E+21
-2333	5,378426E+21	8,653250E+21	1,106272E+22	1,106281E+22	8,653604E+21	5,378844E+21	2,422255E+21	5,763191E+20	2,947035E+19	2,946309E+19	5,762540E+20	2,422209E+21
-2332	5,378943E+21	8,653808E+21	1,106300E+22	1,106270E+22	8,653231E+21	5,378453E+21	2,421980E+21	5,761831E+20	2,945548E+19	2,946815E+19	5,763136E+20	2,422163E+21
-2331	5,378587E+21	8,653198E+21	1,106242E+22	1,106262E+22	8,653491E+21	5,378769E+21	2,422258E+21	5,763382E+20	2,947359E+19	2,946410E+19	5,762220E+20	2,422003E+21
-2330	5,378504E+21	8,653406E+21	1,106271E+22	1,106265E+22	8,653347E+21	5,378544E+21	2,422096E+21	5,763138E+20	2,948543E+19	2,949122E+19	5,763929E+20	2,422344E+21
-2329	5,378839E+21	8,653418E+21	1,106236E+22	1,106212E+22	8,653021E+21	5,378459E+21	2,422077E+21	5,763022E+20	2,948986E+19	2,950104E+19	5,764189E+20	2,422210E+21
-2328	5,378375E+21	8,652681E+21	1,106182E+22	1,106208E+22	8,653196E+21	5,378744E+21	2,422410E+21	5,765244E+20	2,952499E+19	2,951678E+19	5,764061E+20	2,422190E+21
-2327	5,378610E+21	8,653135E+21	1,106192E+22	1,106174E+22	8,652758E+21	5,378336E+21	2,422155E+21	5,764629E+20	2,953584E+19	2,954880E+19	5,766150E+20	2,422451E+21
-2326	5,378580E+21	8,652688E+21	1,106113E+22	1,106102E+22	8,652528E+21	5,378473E+21	2,422367E+21	5,765909E+20	2,956010E+19	2,956064E+19	5,765782E+20	2,422213E+21
-2325	5,378091E+21	8,652138E+21	1,106088E+22	1,106105E+22	8,652605E+21	5,378592E+21	2,422551E+21	5,767538E+20	2,959101E+19	2,958487E+19	5,766561E+20	2,422387E+21
-2324	5,378490E+21	8,652529E+21	1,106088E+22	1,106066E+22	8,652093E+21	5,378117E+21	2,422242E+21	5,766432E+20	2,959179E+19	2,960399E+19	5,768099E+20	2,422533E+21
-2323	5,378300E+21	8,651897E+21	1,106005E+22	1,106024E+22	8,652182E+21	5,378415E+21	2,422510E+21	5,767695E+20	2,960304E+19	2,959952E+19	5,766976E+20	2,422321E+21
-2322	5,378145E+21	8,652028E+21	1,106041E+22	1,106045E+22	8,652176E+21	5,378316E+21	2,422435E+21	5,767552E+20	2,960424E+19	2,960331E+19	5,767674E+20	2,422582E+21
-2321	5,378646E+21	8,652509E+21	1,106060E+22	1,106029E+22	8,651929E+21	5,378134E+21	2,422276E+21	5,766378E+20	2,958692E+19	2,959648E+19	5,767517E+20	2,422435E+21
-2320	5,378240E+21	8,652014E+21	1,106051E+22	1,106074E+22	8,652416E+21	5,378519E+21	2,422551E+21	5,767480E+20	2,958490E+19	2,957243E+19	5,765776E+20	2,422224E+21
-2319	5,378336E+21	8,652644E+21	1,106126E+22	1,106115E+22	8,652448E+21	5,378270E+21	2,422256E+21	5,765925E+20	2,956777E+19	2,956971E+19	5,766706E+20	2,422482E+21
-2318	5,378538E+21	8,652606E+21	1,106113E+22	1,106105E+22	8,652507E+21	5,378392E+21	2,422268E+21	5,765197E+20	2,954329E+19	2,954680E+19	5,765351E+20	2,422210E+21
-2317	5,378169E+21	8,652278E+21	1,106126E+22	1,106162E+22	8,653011E+21	5,378729E+21	2,422458E+21	5,765876E+20	2,954044E+19	2,952726E+19	5,764450E+20	2,422226E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2316	5,378627E+21	8,653102E+21	1,106188E+22	1,106177E+22	8,652800E+21	5,378341E+21	2,422099E+21	5,763866E+20	2,951537E+19	2,952556E+19	5,765285E+20	2,422380E+21
-2315	5,378615E+21	8,652879E+21	1,106158E+22	1,106162E+22	8,652923E+21	5,378593E+21	2,422275E+21	5,764184E+20	2,950387E+19	2,950114E+19	5,763579E+20	2,422086E+21
-2314	5,378329E+21	8,652890E+21	1,106205E+22	1,106210E+22	8,653099E+21	5,378621E+21	2,422301E+21	5,764577E+20	2,951195E+19	2,950566E+19	5,763998E+20	2,422276E+21
-2313	5,378778E+21	8,653360E+21	1,106228E+22	1,106199E+22	8,652813E+21	5,378308E+21	2,422047E+21	5,763274E+20	2,949924E+19	2,951369E+19	5,764821E+20	2,422283E+21
-2312	5,378450E+21	8,652717E+21	1,106170E+22	1,106194E+22	8,653098E+21	5,378656E+21	2,422338E+21	5,764844E+20	2,951809E+19	2,950965E+19	5,763809E+20	2,422103E+21
-2311	5,378385E+21	8,652954E+21	1,106193E+22	1,106190E+22	8,652951E+21	5,378466E+21	2,422211E+21	5,764720E+20	2,953110E+19	2,953829E+19	5,765597E+20	2,422447E+21
-2310	5,378694E+21	8,652889E+21	1,106144E+22	1,106122E+22	8,652513E+21	5,378336E+21	2,422200E+21	5,764814E+20	2,954053E+19	2,955045E+19	5,765847E+20	2,422309E+21
-2309	5,378265E+21	8,652198E+21	1,106087E+22	1,106111E+22	8,652694E+21	5,378663E+21	2,422561E+21	5,767226E+20	2,957988E+19	2,957038E+19	5,765813E+20	2,422253E+21
-2308	5,378399E+21	8,652608E+21	1,106104E+22	1,106084E+22	8,652219E+21	5,378198E+21	2,422302E+21	5,766717E+20	2,959323E+19	2,960395E+19	5,768019E+20	2,422553E+21
-2307	5,378403E+21	8,652103E+21	1,106017E+22	1,106008E+22	8,651938E+21	5,378246E+21	2,422440E+21	5,767684E+20	2,961382E+19	2,961559E+19	5,767743E+20	2,422349E+21
-2306	5,377955E+21	8,651576E+21	1,105989E+22	1,106010E+22	8,652046E+21	5,378379E+21	2,422607E+21	5,769074E+20	2,963836E+19	2,963388E+19	5,768329E+20	2,422514E+21
-2305	5,378378E+21	8,652043E+21	1,105997E+22	1,105974E+22	8,651572E+21	5,377970E+21	2,422324E+21	5,767909E+20	2,963613E+19	2,964930E+19	5,769728E+20	2,422665E+21
-2304	5,378236E+21	8,651532E+21	1,105936E+22	1,105950E+22	8,651723E+21	5,378283E+21	2,422598E+21	5,769124E+20	2,964399E+19	2,963892E+19	5,768214E+20	2,422374E+21
-2303	5,378047E+21	8,651747E+21	1,105986E+22	1,105985E+22	8,651793E+21	5,378213E+21	2,422536E+21	5,769011E+20	2,964446E+19	2,964159E+19	5,768898E+20	2,422612E+21
-2302	5,378443E+21	8,652058E+21	1,105996E+22	1,105969E+22	8,651550E+21	5,378006E+21	2,422363E+21	5,767863E+20	2,962859E+19	2,963577E+19	5,768769E+20	2,422483E+21
-2301	5,378071E+21	8,651541E+21	1,105975E+22	1,106010E+22	8,652139E+21	5,378473E+21	2,422643E+21	5,768891E+20	2,962610E+19	2,961336E+19	5,767166E+20	2,422279E+21
-2300	5,378140E+21	8,652160E+21	1,106051E+22	1,106047E+22	8,652115E+21	5,378214E+21	2,422359E+21	5,767313E+20	2,960744E+19	2,960953E+19	5,768118E+20	2,422588E+21
-2299	5,378451E+21	8,652171E+21	1,106035E+22	1,106030E+22	8,652054E+21	5,378238E+21	2,422320E+21	5,766345E+20	2,957902E+19	2,958540E+19	5,766768E+20	2,422330E+21
-2298	5,378142E+21	8,651948E+21	1,106052E+22	1,106084E+22	8,652535E+21	5,378555E+21	2,422509E+21	5,767027E+20	2,957488E+19	2,956322E+19	5,765713E+20	2,422304E+21
-2297	5,378538E+21	8,652789E+21	1,106124E+22	1,106104E+22	8,652342E+21	5,378204E+21	2,422177E+21	5,765188E+20	2,955317E+19	2,956397E+19	5,766641E+20	2,422466E+21
-2296	5,378501E+21	8,652545E+21	1,106105E+22	1,106104E+22	8,652506E+21	5,378433E+21	2,422342E+21	5,765592E+20	2,954494E+19	2,954121E+19	5,764925E+20	2,422148E+21
-2295	5,378180E+21	8,652492E+21	1,106141E+22	1,106149E+22	8,652739E+21	5,378493E+21	2,422375E+21	5,766041E+20	2,955533E+19	2,954990E+19	5,765562E+20	2,422363E+21
-2294	5,378587E+21	8,652800E+21	1,106140E+22	1,106120E+22	8,652384E+21	5,378184E+21	2,422136E+21	5,764859E+20	2,954615E+19	2,956038E+19	5,766456E+20	2,422407E+21
-2293	5,378364E+21	8,652224E+21	1,106073E+22	1,106103E+22	8,652670E+21	5,378591E+21	2,422463E+21	5,766576E+20	2,956834E+19	2,956009E+19	5,765512E+20	2,422194E+21
-2292	5,378242E+21	8,652487E+21	1,106104E+22	1,106099E+22	8,652453E+21	5,378377E+21	2,422366E+21	5,766664E+20	2,958401E+19	2,958924E+19	5,767263E+20	2,422539E+21
-2291	5,378566E+21	8,652430E+21	1,106058E+22	1,106030E+22	8,651921E+21	5,378138E+21	2,422302E+21	5,766665E+20	2,959418E+19	2,960388E+19	5,767642E+20	2,422402E+21
-2290	5,378105E+21	8,651693E+21	1,105996E+22	1,106020E+22	8,652119E+21	5,378442E+21	2,422645E+21	5,769008E+20	2,963178E+19	2,962263E+19	5,767595E+20	2,422334E+21
-2289	5,378169E+21	8,652009E+21	1,106008E+22	1,105995E+22	8,651723E+21	5,378046E+21	2,422394E+21	5,768446E+20	2,964451E+19	2,965601E+19	5,769898E+20	2,422684E+21
-2288	5,378239E+21	8,651562E+21	1,105931E+22	1,105925E+22	8,651445E+21	5,378090E+21	2,422523E+21	5,769277E+20	2,966156E+19	2,966389E+19	5,769431E+20	2,422465E+21
-2287	5,377847E+21	8,651119E+21	1,105906E+22	1,105928E+22	8,651578E+21	5,378247E+21	2,422702E+21	5,770621E+20	2,968329E+19	2,967927E+19	5,769912E+20	2,422613E+21
-2286	5,378247E+21	8,651568E+21	1,105911E+22	1,105888E+22	8,651083E+21	5,377839E+21	2,422431E+21	5,769549E+20	2,968220E+19	2,969337E+19	5,771172E+20	2,422752E+21
-2285	5,378148E+21	8,651159E+21	1,105859E+22	1,105871E+22	8,651304E+21	5,378199E+21	2,422717E+21	5,770807E+20	2,969116E+19	2,968436E+19	5,769662E+20	2,422417E+21
-2284	5,377851E+21	8,651317E+21	1,105919E+22	1,105918E+22	8,651404E+21	5,378111E+21	2,422652E+21	5,770699E+20	2,969135E+19	2,968599E+19	5,770369E+20	2,422691E+21
-2283	5,378288E+21	8,651569E+21	1,105919E+22	1,105900E+22	8,651142E+21	5,377841E+21	2,422408E+21	5,769194E+20	2,967026E+19	2,967926E+19	5,770318E+20	2,422593E+21
-2282	5,377968E+21	8,651095E+21	1,105894E+22	1,105934E+22	8,651717E+21	5,378319E+21	2,422686E+21	5,770009E+20	2,966126E+19	2,965096E+19	5,768552E+20	2,422383E+21
-2281	5,378040E+21	8,651752E+21	1,105976E+22	1,105973E+22	8,651718E+21	5,378114E+21	2,422430E+21	5,768447E+20	2,964124E+19	2,964503E+19	5,769399E+20	2,422690E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2280	5,378392E+21	8,651888E+21	1,105980E+22	1,105965E+22	8,651643E+21	5,378113E+21	2,422390E+21	5,767515E+20	2,961221E+19	2,961817E+19	5,767837E+20	2,422382E+21
-2279	5,378058E+21	8,651703E+21	1,106003E+22	1,106026E+22	8,652151E+21	5,378430E+21	2,422586E+21	5,768305E+20	2,961099E+19	2,959881E+19	5,766889E+20	2,422345E+21
-2278	5,378353E+21	8,652354E+21	1,106058E+22	1,106042E+22	8,651955E+21	5,378069E+21	2,422256E+21	5,766633E+20	2,959424E+19	2,960381E+19	5,767976E+20	2,422541E+21
-2277	5,378365E+21	8,652099E+21	1,106026E+22	1,106034E+22	8,652186E+21	5,378363E+21	2,422431E+21	5,767100E+20	2,959000E+19	2,958632E+19	5,766480E+20	2,422230E+21
-2276	5,378013E+21	8,652017E+21	1,106062E+22	1,106074E+22	8,652355E+21	5,378415E+21	2,422489E+21	5,767668E+20	2,960206E+19	2,959633E+19	5,767173E+20	2,422488E+21
-2275	5,378502E+21	8,652320E+21	1,106051E+22	1,106034E+22	8,651884E+21	5,378021E+21	2,422217E+21	5,766422E+20	2,959300E+19	2,960849E+19	5,768126E+20	2,422526E+21
-2274	5,378290E+21	8,651814E+21	1,105986E+22	1,106011E+22	8,652121E+21	5,378419E+21	2,422563E+21	5,768233E+20	2,961575E+19	2,960817E+19	5,767148E+20	2,422276E+21
-2273	5,378070E+21	8,652021E+21	1,106023E+22	1,106011E+22	8,651917E+21	5,378230E+21	2,422487E+21	5,768497E+20	2,963549E+19	2,964047E+19	5,769005E+20	2,422623E+21
-2272	5,378356E+21	8,651915E+21	1,105980E+22	1,105950E+22	8,651410E+21	5,377960E+21	2,422400E+21	5,768494E+20	2,964710E+19	2,965597E+19	5,769417E+20	2,422492E+21
-2271	5,377909E+21	8,651142E+21	1,105906E+22	1,105935E+22	8,651648E+21	5,378287E+21	2,422731E+21	5,770730E+20	2,968352E+19	2,967561E+19	5,769475E+20	2,422452E+21
-2270	5,377971E+21	8,651351E+21	1,105902E+22	1,105895E+22	8,651187E+21	5,377894E+21	2,422491E+21	5,770202E+20	2,969651E+19	2,970755E+19	5,771696E+20	2,422827E+21
-2269	5,378166E+21	8,651058E+21	1,105829E+22	1,105825E+22	8,650949E+21	5,377981E+21	2,422638E+21	5,771052E+20	2,971330E+19	2,971508E+19	5,771134E+20	2,422562E+21
-2268	5,377730E+21	8,650707E+21	1,105826E+22	1,105841E+22	8,651070E+21	5,378120E+21	2,422829E+21	5,772447E+20	2,973379E+19	2,972699E+19	5,771463E+20	2,422705E+21
-2267	5,378138E+21	8,651152E+21	1,105837E+22	1,105809E+22	8,650565E+21	5,377647E+21	2,422508E+21	5,771168E+20	2,972983E+19	2,974075E+19	5,772744E+20	2,422832E+21
-2266	5,378013E+21	8,650744E+21	1,105787E+22	1,105799E+22	8,650861E+21	5,378023E+21	2,422777E+21	5,772197E+20	2,973272E+19	2,972752E+19	5,771173E+20	2,422491E+21
-2265	5,377663E+21	8,650836E+21	1,105846E+22	1,105850E+22	8,651055E+21	5,378019E+21	2,422723E+21	5,771962E+20	2,972988E+19	2,972632E+19	5,771827E+20	2,422789E+21
-2264	5,378155E+21	8,651154E+21	1,105856E+22	1,105837E+22	8,650794E+21	5,377746E+21	2,422472E+21	5,770312E+20	2,970413E+19	2,971453E+19	5,771558E+20	2,422681E+21
-2263	5,377901E+21	8,650765E+21	1,105829E+22	1,105868E+22	8,651361E+21	5,378227E+21	2,422756E+21	5,771119E+20	2,969365E+19	2,968407E+19	5,769699E+20	2,422450E+21
-2262	5,377925E+21	8,651352E+21	1,105905E+22	1,105900E+22	8,651310E+21	5,378015E+21	2,422525E+21	5,769794E+20	2,967778E+19	2,967940E+19	5,770496E+20	2,422752E+21
-2261	5,378308E+21	8,651562E+21	1,105915E+22	1,105897E+22	8,651267E+21	5,378023E+21	2,422496E+21	5,769047E+20	2,965426E+19	2,965782E+19	5,769109E+20	2,422420E+21
-2260	5,377873E+21	8,651290E+21	1,105941E+22	1,105965E+22	8,651771E+21	5,378309E+21	2,422685E+21	5,769926E+20	2,965628E+19	2,964156E+19	5,768334E+20	2,422435E+21
-2259	5,378211E+21	8,651864E+21	1,105981E+22	1,105969E+22	8,651531E+21	5,377904E+21	2,422309E+21	5,768069E+20	2,963869E+19	2,964980E+19	5,769613E+20	2,422664E+21
-2258	5,378282E+21	8,651664E+21	1,105943E+22	1,105950E+22	8,651704E+21	5,378199E+21	2,422491E+21	5,768450E+20	2,963215E+19	2,963086E+19	5,768079E+20	2,422341E+21
-2257	5,377902E+21	8,651570E+21	1,105980E+22	1,105990E+22	8,651902E+21	5,378307E+21	2,422585E+21	5,769159E+20	2,964604E+19	2,964166E+19	5,768717E+20	2,422580E+21
-2256	5,378388E+21	8,651951E+21	1,105984E+22	1,105957E+22	8,651412E+21	5,377882E+21	2,422314E+21	5,768024E+20	2,963899E+19	2,965376E+19	5,769599E+20	2,422589E+21
-2255	5,378137E+21	8,651403E+21	1,105914E+22	1,105934E+22	8,651649E+21	5,378272E+21	2,422665E+21	5,769949E+20	2,966508E+19	2,965728E+19	5,768786E+20	2,422339E+21
-2254	5,377817E+21	8,651375E+21	1,105928E+22	1,105925E+22	8,651444E+21	5,378090E+21	2,422597E+21	5,770353E+20	2,968841E+19	2,969245E+19	5,770785E+20	2,422728E+21
-2253	5,378181E+21	8,651309E+21	1,105876E+22	1,105856E+22	8,650955E+21	5,377856E+21	2,422517E+21	5,770370E+20	2,970227E+19	2,971123E+19	5,771350E+20	2,422610E+21
-2252	5,377734E+21	8,650565E+21	1,105809E+22	1,105839E+22	8,651118E+21	5,378154E+21	2,422850E+21	5,772576E+20	2,973693E+19	2,972872E+19	5,771344E+20	2,422608E+21
-2251	5,377901E+21	8,650836E+21	1,105803E+22	1,105794E+22	8,650593E+21	5,377697E+21	2,422572E+21	5,771890E+20	2,974732E+19	2,975932E+19	5,773492E+20	2,422960E+21
-2250	5,378122E+21	8,650688E+21	1,105745E+22	1,105730E+22	8,650354E+21	5,377785E+21	2,422722E+21	5,772662E+20	2,976044E+19	2,976329E+19	5,772773E+20	2,422649E+21
-2249	5,377593E+21	8,650307E+21	1,105756E+22	1,105765E+22	8,650592E+21	5,377974E+21	2,422926E+21	5,774080E+20	2,978091E+19	2,977394E+19	5,773041E+20	2,422778E+21
-2248	5,377963E+21	8,650730E+21	1,105775E+22	1,105747E+22	8,650182E+21	5,377506E+21	2,422583E+21	5,772664E+20	2,977401E+19	2,978450E+19	5,774222E+20	2,422905E+21
-2247	5,377849E+21	8,650291E+21	1,105717E+22	1,105734E+22	8,650527E+21	5,377929E+21	2,422846E+21	5,773495E+20	2,977218E+19	2,976827E+19	5,772615E+20	2,422578E+21
-2246	5,377488E+21	8,650270E+21	1,105760E+22	1,105773E+22	8,650671E+21	5,377944E+21	2,422817E+21	5,773301E+20	2,976824E+19	2,976388E+19	5,773109E+20	2,422880E+21
-2245	5,378078E+21	8,650737E+21	1,105774E+22	1,105759E+22	8,650428E+21	5,377689E+21	2,422582E+21	5,771728E+20	2,974325E+19	2,975213E+19	5,772766E+20	2,422733E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2244	5,377785E+21	8,650435E+21	1,105768E+22	1,105798E+22	8,650937E+21	5,378125E+21	2,422865E+21	5,772610E+20	2,973381E+19	2,972087E+19	5,770890E+20	2,422520E+21
-2243	5,377828E+21	8,650971E+21	1,105840E+22	1,105830E+22	8,650844E+21	5,377832E+21	2,422583E+21	5,771187E+20	2,971862E+19	2,971967E+19	5,771830E+20	2,422820E+21
-2242	5,378195E+21	8,651183E+21	1,105849E+22	1,105830E+22	8,650838E+21	5,377846E+21	2,422539E+21	5,770298E+20	2,969277E+19	2,969807E+19	5,770563E+20	2,422507E+21
-2241	5,377730E+21	8,650860E+21	1,105874E+22	1,105899E+22	8,651406E+21	5,378193E+21	2,422740E+21	5,771146E+20	2,969519E+19	2,968314E+19	5,769851E+20	2,422542E+21
-2240	5,378105E+21	8,651470E+21	1,105917E+22	1,105903E+22	8,651153E+21	5,377789E+21	2,422372E+21	5,769300E+20	2,967659E+19	2,968967E+19	5,771012E+20	2,422762E+21
-2239	5,378215E+21	8,651313E+21	1,105874E+22	1,105877E+22	8,651314E+21	5,378099E+21	2,422570E+21	5,769772E+20	2,967202E+19	2,967220E+19	5,769503E+20	2,422418E+21
-2238	5,377756E+21	8,651085E+21	1,105897E+22	1,105905E+22	8,651438E+21	5,378210E+21	2,422710E+21	5,770843E+20	2,969249E+19	2,968676E+19	5,770176E+20	2,422643E+21
-2237	5,378230E+21	8,651466E+21	1,105899E+22	1,105874E+22	8,650963E+21	5,377780E+21	2,422451E+21	5,769971E+20	2,969304E+19	2,970548E+19	5,771293E+20	2,422651E+21
-2236	5,377905E+21	8,650829E+21	1,105827E+22	1,105848E+22	8,651153E+21	5,378127E+21	2,422788E+21	5,771952E+20	2,972191E+19	2,971225E+19	5,770699E+20	2,422473E+21
-2235	5,377658E+21	8,650718E+21	1,105821E+22	1,105823E+22	8,650864E+21	5,377892E+21	2,422676E+21	5,772156E+20	2,974345E+19	2,974897E+19	5,772803E+20	2,422883E+21
-2234	5,378098E+21	8,650778E+21	1,105773E+22	1,105748E+22	8,650316E+21	5,377652E+21	2,422598E+21	5,772037E+20	2,975315E+19	2,976453E+19	5,773275E+20	2,422753E+21
-2233	5,377648E+21	8,650108E+21	1,105720E+22	1,105742E+22	8,650544E+21	5,377987E+21	2,422943E+21	5,774239E+20	2,978664E+19	2,977967E+19	5,773080E+20	2,422713E+21
-2232	5,377803E+21	8,650489E+21	1,105736E+22	1,105714E+22	8,650075E+21	5,377532E+21	2,422667E+21	5,773565E+20	2,979582E+19	2,980674E+19	5,775029E+20	2,423026E+21
-2231	5,377981E+21	8,650308E+21	1,105681E+22	1,105661E+22	8,649929E+21	5,377645E+21	2,422808E+21	5,774261E+20	2,980759E+19	2,981025E+19	5,774312E+20	2,422700E+21
-2230	5,377354E+21	8,649713E+21	1,105673E+22	1,105692E+22	8,650229E+21	5,377888E+21	2,423033E+21	5,775720E+20	2,982767E+19	2,981924E+19	5,774556E+20	2,422850E+21
-2229	5,377787E+21	8,650182E+21	1,105687E+22	1,105672E+22	8,649864E+21	5,377467E+21	2,422703E+21	5,774281E+20	2,982012E+19	2,982933E+19	5,775730E+20	2,422982E+21
-2228	5,377675E+21	8,649768E+21	1,105635E+22	1,105656E+22	8,650122E+21	5,377854E+21	2,422964E+21	5,775026E+20	2,981445E+19	2,980898E+19	5,774033E+20	2,422694E+21
-2227	5,377414E+21	8,649788E+21	1,105674E+22	1,105687E+22	8,650181E+21	5,377800E+21	2,422896E+21	5,774678E+20	2,980828E+19	2,980373E+19	5,774466E+20	2,422969E+21
-2226	5,378029E+21	8,650424E+21	1,105705E+22	1,105677E+22	8,649881E+21	5,377513E+21	2,422653E+21	5,773028E+20	2,978073E+19	2,979046E+19	5,774099E+20	2,422802E+21
-2225	5,377664E+21	8,650091E+21	1,105711E+22	1,105733E+22	8,650491E+21	5,377958E+21	2,422921E+21	5,773898E+20	2,977270E+19	2,976043E+19	5,772267E+20	2,422592E+21
-2224	5,377705E+21	8,650634E+21	1,105788E+22	1,105776E+22	8,650484E+21	5,377676E+21	2,422619E+21	5,772383E+20	2,975618E+19	2,975855E+19	5,773211E+20	2,422910E+21
-2223	5,378102E+21	8,650821E+21	1,105788E+22	1,105771E+22	8,650508E+21	5,377731E+21	2,422575E+21	5,771388E+20	2,972874E+19	2,973621E+19	5,771937E+20	2,422601E+21
-2222	5,377610E+21	8,650376E+21	1,105795E+22	1,105826E+22	8,651041E+21	5,378122E+21	2,422830E+21	5,772450E+20	2,973349E+19	2,972158E+19	5,771147E+20	2,422624E+21
-2221	5,378029E+21	8,651074E+21	1,105839E+22	1,105828E+22	8,650791E+21	5,377739E+21	2,422501E+21	5,770895E+20	2,972039E+19	2,973142E+19	5,772314E+20	2,422800E+21
-2220	5,378049E+21	8,650900E+21	1,105806E+22	1,105803E+22	8,650859E+21	5,378003E+21	2,422708E+21	5,771560E+20	2,972041E+19	2,971758E+19	5,770996E+20	2,422497E+21
-2219	5,377593E+21	8,650533E+21	1,105810E+22	1,105820E+22	8,650917E+21	5,378038E+21	2,422807E+21	5,772618E+20	2,974383E+19	2,973812E+19	5,771921E+20	2,422729E+21
-2218	5,378061E+21	8,650926E+21	1,105807E+22	1,105781E+22	8,650404E+21	5,377598E+21	2,422535E+21	5,771645E+20	2,974347E+19	2,975819E+19	5,773221E+20	2,422776E+21
-2217	5,377744E+21	8,650269E+21	1,105735E+22	1,105756E+22	8,650616E+21	5,377961E+21	2,422866E+21	5,773575E+20	2,977250E+19	2,976568E+19	5,772640E+20	2,422616E+21
-2216	5,377567E+21	8,650261E+21	1,105736E+22	1,105733E+22	8,650315E+21	5,377711E+21	2,422753E+21	5,773748E+20	2,979184E+19	2,979895E+19	5,774560E+20	2,423011E+21
-2215	5,378041E+21	8,650389E+21	1,105693E+22	1,105661E+22	8,649801E+21	5,377492E+21	2,422681E+21	5,773644E+20	2,980156E+19	2,981344E+19	5,774922E+20	2,422841E+21
-2214	5,377502E+21	8,649621E+21	1,105636E+22	1,105655E+22	8,650039E+21	5,377866E+21	2,423072E+21	5,776079E+20	2,983799E+19	2,982913E+19	5,774677E+20	2,422777E+21
-2213	5,377623E+21	8,649980E+21	1,105654E+22	1,105638E+22	8,649671E+21	5,377444E+21	2,422814E+21	5,775576E+20	2,985131E+19	2,985871E+19	5,776692E+20	2,423077E+21
-2212	5,377729E+21	8,649725E+21	1,105600E+22	1,105587E+22	8,649531E+21	5,377553E+21	2,422937E+21	5,776144E+20	2,986068E+19	2,986153E+19	5,776096E+20	2,422825E+21
-2211	5,377196E+21	8,649064E+21	1,105569E+22	1,105599E+22	8,649739E+21	5,377749E+21	2,423118E+21	5,777313E+20	2,987579E+19	2,986805E+19	5,776277E+20	2,422969E+21
-2210	5,377689E+21	8,649686E+21	1,105593E+22	1,105576E+22	8,649306E+21	5,377314E+21	2,422784E+21	5,775662E+20	2,986157E+19	2,987260E+19	5,777276E+20	2,423092E+21
-2209	5,377597E+21	8,649385E+21	1,105561E+22	1,105574E+22	8,649603E+21	5,377690E+21	2,423031E+21	5,776322E+20	2,985314E+19	2,984881E+19	5,775401E+20	2,422777E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2208	5,377347E+21	8,649528E+21	1,105619E+22	1,105619E+22	8,649700E+21	5,377620E+21	2,422950E+21	5,775919E+20	2,984492E+19	2,984017E+19	5,775683E+20	2,423028E+21
-2207	5,377935E+21	8,650139E+21	1,105655E+22	1,105624E+22	8,649520E+21	5,377360E+21	2,422688E+21	5,774154E+20	2,981581E+19	2,982642E+19	5,775331E+20	2,422858E+21
-2206	5,377504E+21	8,649652E+21	1,105646E+22	1,105676E+22	8,650185E+21	5,377868E+21	2,422984E+21	5,775088E+20	2,980883E+19	2,979679E+19	5,773534E+20	2,422668E+21
-2205	5,377590E+21	8,650217E+21	1,105718E+22	1,105717E+22	8,650224E+21	5,377641E+21	2,422719E+21	5,773732E+20	2,979512E+19	2,979667E+19	5,774475E+20	2,422974E+21
-2204	5,377967E+21	8,650407E+21	1,105722E+22	1,105707E+22	8,650171E+21	5,377675E+21	2,422686E+21	5,772811E+20	2,976846E+19	2,977463E+19	5,773265E+20	2,422703E+21
-2203	5,377535E+21	8,649924E+21	1,105711E+22	1,105743E+22	8,650579E+21	5,378005E+21	2,422929E+21	5,773954E+20	2,977641E+19	2,976410E+19	5,772553E+20	2,422689E+21
-2202	5,377912E+21	8,650687E+21	1,105764E+22	1,105742E+22	8,650237E+21	5,377588E+21	2,422611E+21	5,772511E+20	2,976581E+19	2,977717E+19	5,773867E+20	2,422866E+21
-2201	5,377863E+21	8,650417E+21	1,105731E+22	1,105725E+22	8,650344E+21	5,377825E+21	2,422800E+21	5,773266E+20	2,977045E+19	2,976827E+19	5,772779E+20	2,422594E+21
-2200	5,377429E+21	8,650042E+21	1,105729E+22	1,105740E+22	8,650417E+21	5,377854E+21	2,422877E+21	5,774249E+20	2,979358E+19	2,978969E+19	5,773778E+20	2,422859E+21
-2199	5,377943E+21	8,650426E+21	1,105719E+22	1,105693E+22	8,649903E+21	5,377432E+21	2,422596E+21	5,773174E+20	2,979207E+19	2,980885E+19	5,775042E+20	2,422907E+21
-2198	5,377621E+21	8,649711E+21	1,105636E+22	1,105659E+22	8,650087E+21	5,377825E+21	2,422969E+21	5,775258E+20	2,982251E+19	2,981591E+19	5,774346E+20	2,422729E+21
-2197	5,377483E+21	8,649815E+21	1,105647E+22	1,105645E+22	8,649837E+21	5,377603E+21	2,422893E+21	5,775700E+20	2,984615E+19	2,985027E+19	5,776178E+20	2,423072E+21
-2196	5,377859E+21	8,649921E+21	1,105616E+22	1,105581E+22	8,649309E+21	5,377369E+21	2,422826E+21	5,775678E+20	2,985763E+19	2,986611E+19	5,776645E+20	2,422931E+21
-2195	5,377311E+21	8,649016E+21	1,105542E+22	1,105568E+22	8,649537E+21	5,377709E+21	2,423181E+21	5,777981E+20	2,989314E+19	2,988392E+19	5,776528E+20	2,422865E+21
-2194	5,377429E+21	8,649417E+21	1,105561E+22	1,105546E+22	8,649143E+21	5,377302E+21	2,422916E+21	5,777266E+20	2,990178E+19	2,991088E+19	5,778559E+20	2,423192E+21
-2193	5,377552E+21	8,649151E+21	1,105508E+22	1,105499E+22	8,649035E+21	5,377417E+21	2,423022E+21	5,777640E+20	2,990647E+19	2,991018E+19	5,777852E+20	2,422955E+21
-2192	5,377120E+21	8,648644E+21	1,105486E+22	1,105515E+22	8,649241E+21	5,377589E+21	2,423181E+21	5,778612E+20	2,991539E+19	2,990948E+19	5,777761E+20	2,423081E+21
-2191	5,377647E+21	8,649371E+21	1,105522E+22	1,105498E+22	8,648833E+21	5,377157E+21	2,422836E+21	5,776870E+20	2,989837E+19	2,990982E+19	5,778522E+20	2,423159E+21
-2190	5,377483E+21	8,649019E+21	1,105495E+22	1,105503E+22	8,649157E+21	5,377556E+21	2,423113E+21	5,777675E+20	2,989131E+19	2,988538E+19	5,776591E+20	2,422828E+21
-2189	5,377221E+21	8,649167E+21	1,105560E+22	1,105566E+22	8,649379E+21	5,377514E+21	2,423046E+21	5,777445E+20	2,988718E+19	2,987907E+19	5,776923E+20	2,423068E+21
-2188	5,377744E+21	8,649707E+21	1,105595E+22	1,105571E+22	8,649231E+21	5,377283E+21	2,422780E+21	5,775594E+20	2,985673E+19	2,986581E+19	5,776717E+20	2,422965E+21
-2187	5,377393E+21	8,649159E+21	1,105564E+22	1,105603E+22	8,649804E+21	5,377766E+21	2,423057E+21	5,776385E+20	2,984841E+19	2,983711E+19	5,774939E+20	2,422762E+21
-2186	5,377509E+21	8,649836E+21	1,105642E+22	1,105637E+22	8,649760E+21	5,377537E+21	2,422812E+21	5,775022E+20	2,983302E+19	2,983607E+19	5,775819E+20	2,423049E+21
-2185	5,377858E+21	8,650047E+21	1,105654E+22	1,105635E+22	8,649719E+21	5,377548E+21	2,422775E+21	5,774204E+20	2,980897E+19	2,981582E+19	5,774639E+20	2,422768E+21
-2184	5,377429E+21	8,649603E+21	1,105647E+22	1,105673E+22	8,650106E+21	5,377837E+21	2,423003E+21	5,775409E+20	2,981898E+19	2,980715E+19	5,774016E+20	2,422756E+21
-2183	5,377751E+21	8,650259E+21	1,105694E+22	1,105675E+22	8,649817E+21	5,377422E+21	2,422666E+21	5,773951E+20	2,980991E+19	2,982232E+19	5,775440E+20	2,422949E+21
-2182	5,377669E+21	8,649852E+21	1,105643E+22	1,105645E+22	8,649908E+21	5,377696E+21	2,422885E+21	5,774830E+20	2,981752E+19	2,981620E+19	5,774504E+20	2,422715E+21
-2181	5,377300E+21	8,649509E+21	1,105637E+22	1,105657E+22	8,649978E+21	5,377747E+21	2,422995E+21	5,776013E+20	2,984421E+19	2,983947E+19	5,775470E+20	2,422965E+21
-2180	5,377804E+21	8,649931E+21	1,105631E+22	1,105607E+22	8,649426E+21	5,377322E+21	2,422725E+21	5,775002E+20	2,984376E+19	2,985930E+19	5,776800E+20	2,423045E+21
-2179	5,377537E+21	8,649213E+21	1,105537E+22	1,105557E+22	8,649497E+21	5,377659E+21	2,423081E+21	5,777115E+20	2,987653E+19	2,986973E+19	5,776126E+20	2,422817E+21
-2178	5,377341E+21	8,649359E+21	1,105560E+22	1,105548E+22	8,649218E+21	5,377433E+21	2,423019E+21	5,777622E+20	2,990132E+19	2,990531E+19	5,778025E+20	2,423155E+21
-2177	5,377646E+21	8,649368E+21	1,105531E+22	1,105499E+22	8,648796E+21	5,377191E+21	2,422925E+21	5,777563E+20	2,991378E+19	2,992318E+19	5,778620E+20	2,423043E+21
-2176	5,377149E+21	8,648489E+21	1,105449E+22	1,105480E+22	8,649039E+21	5,377539E+21	2,423257E+21	5,779635E+20	2,994382E+19	2,993668E+19	5,778428E+20	2,422998E+21
-2175	5,377294E+21	8,648896E+21	1,105469E+22	1,105458E+22	8,648656E+21	5,377152E+21	2,422981E+21	5,778709E+20	2,994678E+19	2,995708E+19	5,780171E+20	2,423302E+21
-2174	5,377430E+21	8,648640E+21	1,105415E+22	1,105409E+22	8,648530E+21	5,377290E+21	2,423121E+21	5,779123E+20	2,994900E+19	2,995237E+19	5,779263E+20	2,423042E+21
-2173	5,377032E+21	8,648264E+21	1,105411E+22	1,105438E+22	8,648794E+21	5,377475E+21	2,423300E+21	5,780248E+20	2,995946E+19	2,994952E+19	5,778982E+20	2,423115E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2172	5,377475E+21	8,648996E+21	1,105462E+22	1,105436E+22	8,648442E+21	5,377047E+21	2,422946E+21	5,778477E+20	2,994205E+19	2,995020E+19	5,779843E+20	2,423231E+21
-2171	5,377330E+21	8,648552E+21	1,105420E+22	1,105435E+22	8,648765E+21	5,377414E+21	2,423180E+21	5,779100E+20	2,993385E+19	2,992756E+19	5,778017E+20	2,422901E+21
-2170	5,377081E+21	8,648759E+21	1,105489E+22	1,105495E+22	8,648981E+21	5,377407E+21	2,423122E+21	5,778738E+20	2,992677E+19	2,992005E+19	5,778379E+20	2,423165E+21
-2169	5,377613E+21	8,649272E+21	1,105526E+22	1,105508E+22	8,648872E+21	5,377177E+21	2,422849E+21	5,776819E+20	2,989430E+19	2,990564E+19	5,778122E+20	2,423067E+21
-2168	5,377345E+21	8,648849E+21	1,105496E+22	1,105534E+22	8,649405E+21	5,377641E+21	2,423118E+21	5,777548E+20	2,988358E+19	2,987418E+19	5,776259E+20	2,422851E+21
-2167	5,377434E+21	8,649538E+21	1,105580E+22	1,105568E+22	8,649346E+21	5,377409E+21	2,422875E+21	5,776245E+20	2,986922E+19	2,987274E+19	5,777012E+20	2,423093E+21
-2166	5,377689E+21	8,649624E+21	1,105585E+22	1,105564E+22	8,649292E+21	5,377428E+21	2,422873E+21	5,775685E+20	2,985061E+19	2,985673E+19	5,776021E+20	2,422833E+21
-2165	5,377267E+21	8,649140E+21	1,105573E+22	1,105607E+22	8,649734E+21	5,377720E+21	2,423110E+21	5,777123E+20	2,986726E+19	2,985331E+19	5,775566E+20	2,422835E+21
-2164	5,377552E+21	8,649722E+21	1,105610E+22	1,105600E+22	8,649417E+21	5,377317E+21	2,422770E+21	5,775650E+20	2,985901E+19	2,987084E+19	5,777188E+20	2,423097E+21
-2163	5,377557E+21	8,649277E+21	1,105539E+22	1,105547E+22	8,649369E+21	5,377533E+21	2,422970E+21	5,776478E+20	2,986778E+19	2,986731E+19	5,776291E+20	2,422845E+21
-2162	5,377227E+21	8,649085E+21	1,105546E+22	1,105555E+22	8,649359E+21	5,377574E+21	2,423099E+21	5,777708E+20	2,989443E+19	2,989088E+19	5,777213E+20	2,423069E+21
-2161	5,377678E+21	8,649495E+21	1,105549E+22	1,105519E+22	8,648860E+21	5,377144E+21	2,422830E+21	5,776821E+20	2,989686E+19	2,991245E+19	5,778550E+20	2,423131E+21
-2160	5,377407E+21	8,648817E+21	1,105459E+22	1,105474E+22	8,648964E+21	5,377469E+21	2,423170E+21	5,778881E+20	2,992901E+19	2,992347E+19	5,777964E+20	2,422910E+21
-2159	5,377153E+21	8,648854E+21	1,105478E+22	1,105469E+22	8,648763E+21	5,377271E+21	2,423092E+21	5,779291E+20	2,995215E+19	2,995681E+19	5,779776E+20	2,423240E+21
-2158	5,377424E+21	8,648747E+21	1,105434E+22	1,105412E+22	8,648355E+21	5,377088E+21	2,423033E+21	5,779254E+20	2,996373E+19	2,997386E+19	5,780404E+20	2,423162E+21
-2157	5,377003E+21	8,647929E+21	1,105354E+22	1,105396E+22	8,648602E+21	5,377442E+21	2,423384E+21	5,781399E+20	2,999328E+19	2,998436E+19	5,780025E+20	2,423093E+21
-2156	5,377140E+21	8,648385E+21	1,105381E+22	1,105374E+22	8,648202E+21	5,377051E+21	2,423107E+21	5,780424E+20	2,999401E+19	3,000201E+19	5,781697E+20	2,423413E+21
-2155	5,377326E+21	8,648168E+21	1,105325E+22	1,105314E+22	8,647975E+21	5,377126E+21	2,423221E+21	5,780783E+20	2,999595E+19	2,999800E+19	5,780759E+20	2,423115E+21
-2154	5,376903E+21	8,647889E+21	1,105341E+22	1,105355E+22	8,648239E+21	5,377301E+21	2,423394E+21	5,781849E+20	3,000567E+19	2,999506E+19	5,780519E+20	2,423190E+21
-2153	5,377299E+21	8,648544E+21	1,105395E+22	1,105372E+22	8,648044E+21	5,376893E+21	2,423014E+21	5,779966E+20	2,998708E+19	2,999617E+19	5,781443E+20	2,423335E+21
-2152	5,377237E+21	8,648182E+21	1,105350E+22	1,105367E+22	8,648386E+21	5,377271E+21	2,423218E+21	5,780283E+20	2,997241E+19	2,996913E+19	5,779559E+20	2,423024E+21
-2151	5,377011E+21	8,648394E+21	1,105421E+22	1,105428E+22	8,648620E+21	5,377290E+21	2,423158E+21	5,779778E+20	2,996064E+19	2,995550E+19	5,779586E+20	2,423244E+21
-2150	5,377523E+21	8,648894E+21	1,105456E+22	1,105439E+22	8,648508E+21	5,377092E+21	2,422932E+21	5,778014E+20	2,992865E+19	2,994011E+19	5,779251E+20	2,423128E+21
-2149	5,377251E+21	8,648520E+21	1,105434E+22	1,105471E+22	8,649041E+21	5,377554E+21	2,423231E+21	5,779030E+20	2,992320E+19	2,991023E+19	5,777356E+20	2,422873E+21
-2148	5,377231E+21	8,649110E+21	1,105518E+22	1,105510E+22	8,649007E+21	5,377322E+21	2,422987E+21	5,777815E+20	2,991175E+19	2,991315E+19	5,778364E+20	2,423164E+21
-2147	5,377509E+21	8,649095E+21	1,105500E+22	1,105485E+22	8,648851E+21	5,377284E+21	2,422953E+21	5,777230E+20	2,989634E+19	2,990273E+19	5,777632E+20	2,422930E+21
-2146	5,377119E+21	8,648662E+21	1,105488E+22	1,105517E+22	8,649216E+21	5,377579E+21	2,423196E+21	5,778641E+20	2,991378E+19	2,990188E+19	5,777303E+20	2,422961E+21
-2145	5,377429E+21	8,649225E+21	1,105525E+22	1,105515E+22	8,648927E+21	5,377163E+21	2,422853E+21	5,777209E+20	2,990642E+19	2,992048E+19	5,778928E+20	2,423231E+21
-2144	5,377528E+21	8,648927E+21	1,105455E+22	1,105456E+22	8,648823E+21	5,377346E+21	2,423037E+21	5,778007E+20	2,991485E+19	2,991643E+19	5,778006E+20	2,422960E+21
-2143	5,377142E+21	8,648724E+21	1,105471E+22	1,105469E+22	8,648833E+21	5,377394E+21	2,423173E+21	5,779331E+20	2,994285E+19	2,993910E+19	5,778757E+20	2,423127E+21
-2142	5,377478E+21	8,648985E+21	1,105469E+22	1,105439E+22	8,648382E+21	5,377002E+21	2,422951E+21	5,778714E+20	2,995056E+19	2,996479E+19	5,780290E+20	2,423207E+21
-2141	5,377187E+21	8,648233E+21	1,105372E+22	1,105398E+22	8,648549E+21	5,377358E+21	2,423306E+21	5,780926E+20	2,998641E+19	2,997847E+19	5,779801E+20	2,423001E+21
-2140	5,376904E+21	8,648190E+21	1,105380E+22	1,105383E+22	8,648349E+21	5,377192E+21	2,423228E+21	5,781222E+20	3,000715E+19	3,001090E+19	5,781677E+20	2,423377E+21
-2139	5,377266E+21	8,648094E+21	1,105320E+22	1,105303E+22	8,647785E+21	5,376948E+21	2,423148E+21	5,781072E+20	3,001701E+19	3,002719E+19	5,782235E+20	2,423285E+21
-2138	5,376905E+21	8,647465E+21	1,105258E+22	1,105286E+22	8,647964E+21	5,377278E+21	2,423495E+21	5,783129E+20	3,004368E+19	3,003481E+19	5,781719E+20	2,423195E+21
-2137	5,377011E+21	8,647936E+21	1,105301E+22	1,105286E+22	8,647646E+21	5,376867E+21	2,423200E+21	5,782127E+20	3,004366E+19	3,005098E+19	5,783297E+20	2,423499E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2136	5,377231E+21	8,647815E+21	1,105255E+22	1,105239E+22	8,647478E+21	5,376920E+21	2,423271E+21	5,782235E+20	3,004068E+19	3,004430E+19	5,782386E+20	2,423216E+21
-2135	5,376783E+21	8,647503E+21	1,105277E+22	1,105292E+22	8,647854E+21	5,377135E+21	2,423421E+21	5,783067E+20	3,004506E+19	3,003560E+19	5,781925E+20	2,423272E+21
-2134	5,377151E+21	8,648082E+21	1,105323E+22	1,105308E+22	8,647728E+21	5,376821E+21	2,423091E+21	5,781188E+20	3,002396E+19	3,003431E+19	5,782787E+20	2,423430E+21
-2133	5,377145E+21	8,647791E+21	1,105286E+22	1,105310E+22	8,648097E+21	5,377219E+21	2,423317E+21	5,781573E+20	3,000859E+19	3,000400E+19	5,780712E+20	2,423091E+21
-2132	5,376899E+21	8,648015E+21	1,105357E+22	1,105366E+22	8,648312E+21	5,377248E+21	2,423268E+21	5,781108E+20	2,999672E+19	2,998980E+19	5,780695E+20	2,423298E+21
-2131	5,377392E+21	8,648475E+21	1,105381E+22	1,105360E+22	8,648060E+21	5,376982E+21	2,423031E+21	5,779461E+20	2,996865E+19	2,997851E+19	5,780476E+20	2,423170E+21
-2130	5,377099E+21	8,648141E+21	1,105368E+22	1,105394E+22	8,648545E+21	5,377403E+21	2,423321E+21	5,780549E+20	2,996713E+19	2,995367E+19	5,778843E+20	2,422948E+21
-2129	5,377044E+21	8,648587E+21	1,105443E+22	1,105439E+22	8,648588E+21	5,377170E+21	2,423059E+21	5,779350E+20	2,995797E+19	2,996055E+19	5,780019E+20	2,423280E+21
-2128	5,377427E+21	8,648668E+21	1,105418E+22	1,105402E+22	8,648373E+21	5,377110E+21	2,422996E+21	5,778575E+20	2,993992E+19	2,994942E+19	5,779384E+20	2,423079E+21
-2127	5,377070E+21	8,648274E+21	1,105410E+22	1,105433E+22	8,648714E+21	5,377393E+21	2,423234E+21	5,779935E+20	2,995558E+19	2,994541E+19	5,778781E+20	2,423057E+21
-2126	5,377335E+21	8,648813E+21	1,105447E+22	1,105432E+22	8,648452E+21	5,377038E+21	2,422954E+21	5,778777E+20	2,995166E+19	2,996553E+19	5,780409E+20	2,423305E+21
-2125	5,377401E+21	8,648528E+21	1,105387E+22	1,105384E+22	8,648382E+21	5,377224E+21	2,423162E+21	5,779859E+20	2,996644E+19	2,996497E+19	5,779533E+20	2,423007E+21
-2124	5,376912E+21	8,648185E+21	1,105393E+22	1,105399E+22	8,648452E+21	5,377303E+21	2,423307E+21	5,781258E+20	2,999687E+19	2,999168E+19	5,780514E+20	2,423208E+21
-2123	5,377241E+21	8,648316E+21	1,105364E+22	1,105344E+22	8,647905E+21	5,376883E+21	2,423071E+21	5,780657E+20	3,000744E+19	3,002145E+19	5,782251E+20	2,423323E+21
-2122	5,377001E+21	8,647628E+21	1,105269E+22	1,105291E+22	8,647972E+21	5,377231E+21	2,423430E+21	5,782794E+20	3,004199E+19	3,003574E+19	5,781835E+20	2,423146E+21
-2121	5,376754E+21	8,647563E+21	1,105276E+22	1,105283E+22	8,647792E+21	5,377041E+21	2,423340E+21	5,783034E+20	3,006069E+19	3,006571E+19	5,783572E+20	2,423518E+21
-2120	5,377224E+21	8,647677E+21	1,105224E+22	1,105198E+22	8,647160E+21	5,376743E+21	2,423224E+21	5,782691E+20	3,006619E+19	3,007833E+19	5,784046E+20	2,423413E+21
-2119	5,376833E+21	8,647101E+21	1,105182E+22	1,105197E+22	8,647373E+21	5,377051E+21	2,423546E+21	5,784631E+20	3,008941E+19	3,008045E+19	5,783221E+20	2,423267E+21
-2118	5,376859E+21	8,647495E+21	1,105230E+22	1,105214E+22	8,647193E+21	5,376713E+21	2,423285E+21	5,783720E+20	3,009020E+19	3,009682E+19	5,784857E+20	2,423585E+21
-2117	5,377083E+21	8,647358E+21	1,105188E+22	1,105179E+22	8,647138E+21	5,376812E+21	2,423359E+21	5,783801E+20	3,008617E+19	3,008790E+19	5,783844E+20	2,423296E+21
-2116	5,376621E+21	8,647015E+21	1,105205E+22	1,105230E+22	8,647570E+21	5,377091E+21	2,423521E+21	5,784471E+20	3,008589E+19	3,007557E+19	5,783299E+20	2,423363E+21
-2115	5,377038E+21	8,647604E+21	1,105238E+22	1,105227E+22	8,647315E+21	5,376740E+21	2,423190E+21	5,782579E+20	3,006376E+19	3,007309E+19	5,784037E+20	2,423492E+21
-2114	5,377042E+21	8,647440E+21	1,105215E+22	1,105226E+22	8,647616E+21	5,377122E+21	2,423422E+21	5,782973E+20	3,004811E+19	3,004257E+19	5,781948E+20	2,423139E+21
-2113	5,376740E+21	8,647583E+21	1,105291E+22	1,105298E+22	8,647895E+21	5,377126E+21	2,423362E+21	5,782574E+20	3,003833E+19	3,003054E+19	5,781988E+20	2,423346E+21
-2112	5,377269E+21	8,648096E+21	1,105314E+22	1,105291E+22	8,647617E+21	5,376807E+21	2,423078E+21	5,780769E+20	3,000892E+19	3,002069E+19	5,781996E+20	2,423264E+21
-2111	5,376977E+21	8,647734E+21	1,105301E+22	1,105325E+22	8,648122E+21	5,377223E+21	2,423341E+21	5,781712E+20	3,000550E+19	2,999376E+19	5,780274E+20	2,423044E+21
-2110	5,376924E+21	8,648123E+21	1,105367E+22	1,105366E+22	8,648191E+21	5,377060E+21	2,423133E+21	5,780663E+20	2,999774E+19	3,000225E+19	5,781519E+20	2,423396E+21
-2109	5,377356E+21	8,648259E+21	1,105348E+22	1,105334E+22	8,647979E+21	5,377002E+21	2,423090E+21	5,780061E+20	2,998283E+19	2,999128E+19	5,780800E+20	2,423167E+21
-2108	5,376969E+21	8,647875E+21	1,105339E+22	1,105361E+22	8,648324E+21	5,377315E+21	2,423350E+21	5,781535E+20	3,000088E+19	2,998992E+19	5,780253E+20	2,423125E+21
-2107	5,377177E+21	8,648327E+21	1,105361E+22	1,105342E+22	8,647939E+21	5,376914E+21	2,423082E+21	5,780640E+20	3,000391E+19	3,001615E+19	5,782050E+20	2,423367E+21
-2106	5,377203E+21	8,648017E+21	1,105304E+22	1,105293E+22	8,647850E+21	5,377088E+21	2,423288E+21	5,781828E+20	3,002389E+19	3,002232E+19	5,781501E+20	2,423113E+21
-2105	5,376690E+21	8,647505E+21	1,105293E+22	1,105309E+22	8,647975E+21	5,377171E+21	2,423421E+21	5,783210E+20	3,005502E+19	3,005116E+19	5,782580E+20	2,423345E+21
-2104	5,377123E+21	8,647742E+21	1,105258E+22	1,105239E+22	8,647320E+21	5,376705E+21	2,423154E+21	5,782384E+20	3,006135E+19	3,007829E+19	5,784337E+20	2,423493E+21
-2103	5,376935E+21	8,647145E+21	1,105173E+22	1,105187E+22	8,647336E+21	5,377009E+21	2,423491E+21	5,784369E+20	3,009082E+19	3,008585E+19	5,783545E+20	2,423259E+21
-2102	5,376656E+21	8,647093E+21	1,105186E+22	1,105186E+22	8,647210E+21	5,376878E+21	2,423447E+21	5,784747E+20	3,010962E+19	3,011379E+19	5,785161E+20	2,423599E+21
-2101	5,377093E+21	8,647260E+21	1,105156E+22	1,105125E+22	8,646670E+21	5,376586E+21	2,423333E+21	5,784483E+20	3,011645E+19	3,012539E+19	5,785544E+20	2,423471E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2100	5,376649E+21	8,646631E+21	1,105113E+22	1,105133E+22	8,647006E+21	5,376940E+21	2,423644E+21	5,786273E+20	3,013711E+19	3,012699E+19	5,784779E+20	2,423337E+21
-2099	5,376662E+21	8,646933E+21	1,105142E+22	1,105133E+22	8,646792E+21	5,376622E+21	2,423388E+21	5,785340E+20	3,013768E+19	3,014317E+19	5,786425E+20	2,423673E+21
-2098	5,376934E+21	8,646888E+21	1,105110E+22	1,105098E+22	8,646715E+21	5,376733E+21	2,423461E+21	5,785280E+20	3,013030E+19	3,013286E+19	5,785397E+20	2,423400E+21
-2097	5,376500E+21	8,646516E+21	1,105124E+22	1,105155E+22	8,647178E+21	5,377002E+21	2,423621E+21	5,785901E+20	3,012738E+19	3,011709E+19	5,784662E+20	2,423441E+21
-2096	5,376983E+21	8,647266E+21	1,105164E+22	1,105146E+22	8,646839E+21	5,376598E+21	2,423260E+21	5,783861E+20	3,010185E+19	3,011223E+19	5,785379E+20	2,423566E+21
-2095	5,376943E+21	8,647121E+21	1,105157E+22	1,105156E+22	8,647114E+21	5,376923E+21	2,423465E+21	5,784190E+20	3,008459E+19	3,007893E+19	5,783156E+20	2,423187E+21
-2094	5,376578E+21	8,647140E+21	1,105225E+22	1,105235E+22	8,647503E+21	5,376992E+21	2,423433E+21	5,783920E+20	3,007789E+19	3,007060E+19	5,783404E+20	2,423428E+21
-2093	5,377125E+21	8,647649E+21	1,105249E+22	1,105233E+22	8,647281E+21	5,376697E+21	2,423150E+21	5,782139E+20	3,004969E+19	3,006117E+19	5,783443E+20	2,423368E+21
-2092	5,376875E+21	8,647297E+21	1,105229E+22	1,105259E+22	8,647783E+21	5,377141E+21	2,423416E+21	5,782996E+20	3,004517E+19	3,003454E+19	5,781730E+20	2,423152E+21
-2091	5,376848E+21	8,647685E+21	1,105282E+22	1,105280E+22	8,647720E+21	5,376949E+21	2,423233E+21	5,782164E+20	3,004116E+19	3,004514E+19	5,782933E+20	2,423477E+21
-2090	5,377268E+21	8,647913E+21	1,105276E+22	1,105248E+22	8,647463E+21	5,376881E+21	2,423201E+21	5,781719E+20	3,003082E+19	3,003831E+19	5,782332E+20	2,423235E+21
-2089	5,376799E+21	8,647386E+21	1,105264E+22	1,105286E+22	8,647865E+21	5,377186E+21	2,423469E+21	5,783355E+20	3,005310E+19	3,004169E+19	5,781926E+20	2,423194E+21
-2088	5,377020E+21	8,647835E+21	1,105275E+22	1,105257E+22	8,647438E+21	5,376749E+21	2,423168E+21	5,782370E+20	3,005633E+19	3,007048E+19	5,783976E+20	2,423483E+21
-2087	5,377036E+21	8,647471E+21	1,105214E+22	1,105203E+22	8,647318E+21	5,376904E+21	2,423357E+21	5,783438E+20	3,007411E+19	3,007447E+19	5,783354E+20	2,423237E+21
-2086	5,376542E+21	8,646907E+21	1,105193E+22	1,105215E+22	8,647467E+21	5,377050E+21	2,423533E+21	5,784920E+20	3,010539E+19	3,010334E+19	5,784442E+20	2,423479E+21
-2085	5,377014E+21	8,647229E+21	1,105168E+22	1,105149E+22	8,646791E+21	5,376562E+21	2,423271E+21	5,784192E+20	3,011284E+19	3,012793E+19	5,786001E+20	2,423594E+21
-2084	5,376817E+21	8,646685E+21	1,105088E+22	1,105098E+22	8,646819E+21	5,376873E+21	2,423608E+21	5,786154E+20	3,014183E+19	3,013543E+19	5,785162E+20	2,423331E+21
-2083	5,376485E+21	8,646584E+21	1,105097E+22	1,105092E+22	8,646621E+21	5,376703E+21	2,423570E+21	5,786714E+20	3,016482E+19	3,016581E+19	5,786841E+20	2,423665E+21
-2082	5,376893E+21	8,646746E+21	1,105073E+22	1,105039E+22	8,646161E+21	5,376439E+21	2,423443E+21	5,786399E+20	3,017272E+19	3,018046E+19	5,787398E+20	2,423570E+21
-2081	5,376446E+21	8,646020E+21	1,105023E+22	1,105055E+22	8,646607E+21	5,376835E+21	2,423746E+21	5,788005E+20	3,018924E+19	3,017968E+19	5,786580E+20	2,423457E+21
-2080	5,376572E+21	8,646458E+21	1,105051E+22	1,105044E+22	8,646312E+21	5,376491E+21	2,423465E+21	5,786785E+20	3,018276E+19	3,019027E+19	5,788102E+20	2,423799E+21
-2079	5,376868E+21	8,646501E+21	1,105033E+22	1,105017E+22	8,646211E+21	5,376560E+21	2,423515E+21	5,786504E+20	3,016792E+19	3,017155E+19	5,786681E+20	2,423472E+21
-2078	5,376403E+21	8,646132E+21	1,105053E+22	1,105083E+22	8,646744E+21	5,376885E+21	2,423708E+21	5,787216E+20	3,016482E+19	3,015424E+19	5,785891E+20	2,423489E+21
-2077	5,376827E+21	8,646889E+21	1,105110E+22	1,105091E+22	8,646463E+21	5,376470E+21	2,423341E+21	5,785232E+20	3,014034E+19	3,014871E+19	5,786566E+20	2,423611E+21
-2076	5,376780E+21	8,646705E+21	1,105096E+22	1,105102E+22	8,646810E+21	5,376823E+21	2,423531E+21	5,785432E+20	3,012182E+19	3,011669E+19	5,784497E+20	2,423261E+21
-2075	5,376428E+21	8,646665E+21	1,105145E+22	1,105161E+22	8,647102E+21	5,376893E+21	2,423518E+21	5,785280E+20	3,011794E+19	3,011069E+19	5,784821E+20	2,423527E+21
-2074	5,377030E+21	8,647258E+21	1,105176E+22	1,105156E+22	8,646864E+21	5,376609E+21	2,423240E+21	5,783527E+20	3,009114E+19	3,010352E+19	5,784934E+20	2,423482E+21
-2073	5,376802E+21	8,646883E+21	1,105153E+22	1,105185E+22	8,647382E+21	5,377040E+21	2,423510E+21	5,784445E+20	3,008805E+19	3,007786E+19	5,783163E+20	2,423241E+21
-2072	5,376805E+21	8,647368E+21	1,105208E+22	1,105197E+22	8,647211E+21	5,376797E+21	2,423316E+21	5,783652E+20	3,008528E+19	3,009021E+19	5,784452E+20	2,423557E+21
-2071	5,377146E+21	8,647549E+21	1,105211E+22	1,105174E+22	8,646934E+21	5,376669E+21	2,423267E+21	5,783255E+20	3,007687E+19	3,008433E+19	5,783873E+20	2,423304E+21
-2070	5,376609E+21	8,646842E+21	1,105180E+22	1,105210E+22	8,647429E+21	5,377054E+21	2,423572E+21	5,785091E+20	3,010376E+19	3,009310E+19	5,783726E+20	2,423290E+21
-2069	5,376808E+21	8,647249E+21	1,105190E+22	1,105181E+22	8,647010E+21	5,376636E+21	2,423280E+21	5,784163E+20	3,010851E+19	3,012182E+19	5,785761E+20	2,423601E+21
-2068	5,376892E+21	8,646916E+21	1,105119E+22	1,105114E+22	8,646834E+21	5,376788E+21	2,423469E+21	5,785157E+20	3,012520E+19	3,012615E+19	5,785145E+20	2,423350E+21
-2067	5,376409E+21	8,646349E+21	1,105085E+22	1,105105E+22	8,646844E+21	5,376898E+21	2,423666E+21	5,786844E+20	3,015957E+19	3,015564E+19	5,786152E+20	2,423568E+21
-2066	5,376871E+21	8,646766E+21	1,105077E+22	1,105048E+22	8,646184E+21	5,376402E+21	2,423395E+21	5,786187E+20	3,017020E+19	3,018322E+19	5,787797E+20	2,423680E+21
-2065	5,376628E+21	8,646133E+21	1,105000E+22	1,105013E+22	8,646300E+21	5,376702E+21	2,423716E+21	5,788101E+20	3,019911E+19	3,019204E+19	5,787009E+20	2,423426E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2064	5,376339E+21	8,646072E+21	1,105006E+22	1,105003E+22	8,646101E+21	5,376519E+21	2,423645E+21	5,788443E+20	3,021828E+19	3,022073E+19	5,788789E+20	2,423795E+21
-2063	5,376753E+21	8,646248E+21	1,104990E+22	1,104957E+22	8,645660E+21	5,376251E+21	2,423500E+21	5,787866E+20	3,021925E+19	3,022919E+19	5,789117E+20	2,423692E+21
-2062	5,376328E+21	8,645511E+21	1,104936E+22	1,104976E+22	8,646185E+21	5,376736E+21	2,423841E+21	5,789436E+20	3,023180E+19	3,022433E+19	5,788170E+20	2,423565E+21
-2061	5,376461E+21	8,646052E+21	1,104980E+22	1,104974E+22	8,645910E+21	5,376397E+21	2,423567E+21	5,788209E+20	3,022289E+19	3,022895E+19	5,789363E+20	2,423865E+21
-2060	5,376758E+21	8,646143E+21	1,104968E+22	1,104949E+22	8,645816E+21	5,376465E+21	2,423609E+21	5,787841E+20	3,020575E+19	3,020908E+19	5,787900E+20	2,423513E+21
-2059	5,376238E+21	8,645696E+21	1,104978E+22	1,105007E+22	8,646280E+21	5,376752E+21	2,423809E+21	5,788744E+20	3,020709E+19	3,019399E+19	5,787203E+20	2,423545E+21
-2058	5,376651E+21	8,646442E+21	1,105037E+22	1,105022E+22	8,646074E+21	5,376354E+21	2,423423E+21	5,786740E+20	3,018474E+19	3,019240E+19	5,788074E+20	2,423710E+21
-2057	5,376634E+21	8,646209E+21	1,105018E+22	1,105034E+22	8,646453E+21	5,376719E+21	2,423607E+21	5,786830E+20	3,016454E+19	3,016002E+19	5,786012E+20	2,423386E+21
-2056	5,376403E+21	8,646312E+21	1,105068E+22	1,105079E+22	8,646624E+21	5,376741E+21	2,423578E+21	5,786561E+20	3,015784E+19	3,015238E+19	5,786302E+20	2,423645E+21
-2055	5,376992E+21	8,646966E+21	1,105111E+22	1,105082E+22	8,646362E+21	5,376420E+21	2,423295E+21	5,784768E+20	3,012850E+19	3,014121E+19	5,786154E+20	2,423544E+21
-2054	5,376700E+21	8,646546E+21	1,105089E+22	1,105118E+22	8,646966E+21	5,376922E+21	2,423605E+21	5,785899E+20	3,012970E+19	3,011939E+19	5,784523E+20	2,423287E+21
-2053	5,376611E+21	8,646956E+21	1,105149E+22	1,105139E+22	8,646834E+21	5,376678E+21	2,423417E+21	5,785275E+20	3,013104E+19	3,013405E+19	5,785852E+20	2,423601E+21
-2052	5,376929E+21	8,647026E+21	1,105134E+22	1,105108E+22	8,646596E+21	5,376578E+21	2,423364E+21	5,784848E+20	3,012443E+19	3,013251E+19	5,785539E+20	2,423388E+21
-2051	5,376401E+21	8,646228E+21	1,105077E+22	1,105116E+22	8,646941E+21	5,376946E+21	2,423697E+21	5,786899E+20	3,015595E+19	3,014513E+19	5,785540E+20	2,423411E+21
-2050	5,376647E+21	8,646670E+21	1,105088E+22	1,105081E+22	8,646482E+21	5,376516E+21	2,423405E+21	5,786054E+20	3,016358E+19	3,017662E+19	5,787642E+20	2,423733E+21
-2049	5,376765E+21	8,646358E+21	1,105017E+22	1,105014E+22	8,646277E+21	5,376638E+21	2,423590E+21	5,787074E+20	3,018100E+19	3,018163E+19	5,786997E+20	2,423471E+21
-2048	5,376333E+21	8,645923E+21	1,104991E+22	1,104998E+22	8,646161E+21	5,376671E+21	2,423760E+21	5,788714E+20	3,021503E+19	3,021159E+19	5,788058E+20	2,423680E+21
-2047	5,376725E+21	8,646313E+21	1,104996E+22	1,104958E+22	8,645555E+21	5,376140E+21	2,423464E+21	5,787957E+20	3,022402E+19	3,023748E+19	5,789640E+20	2,423784E+21
-2046	5,376456E+21	8,645587E+21	1,104911E+22	1,104932E+22	8,645840E+21	5,376548E+21	2,423803E+21	5,789830E+20	3,025199E+19	3,024721E+19	5,788968E+20	2,423552E+21
-2045	5,376170E+21	8,645543E+21	1,104924E+22	1,104927E+22	8,645691E+21	5,376408E+21	2,423741E+21	5,790081E+20	3,026748E+19	3,026977E+19	5,790478E+20	2,423915E+21
-2044	5,376646E+21	8,645776E+21	1,104906E+22	1,104880E+22	8,645267E+21	5,376166E+21	2,423600E+21	5,789335E+20	3,026315E+19	3,027402E+19	5,790621E+20	2,423777E+21
-2043	5,376207E+21	8,645055E+21	1,104846E+22	1,104884E+22	8,645685E+21	5,376629E+21	2,423966E+21	5,791053E+20	3,027591E+19	3,026607E+19	5,789502E+20	2,423619E+21
-2042	5,376296E+21	8,645636E+21	1,104906E+22	1,104895E+22	8,645457E+21	5,376290E+21	2,423682E+21	5,789866E+20	3,026887E+19	3,027193E+19	5,790697E+20	2,423910E+21
-2041	5,376561E+21	8,645655E+21	1,104894E+22	1,104882E+22	8,645427E+21	5,376342E+21	2,423703E+21	5,789395E+20	3,025020E+19	3,025253E+19	5,789331E+20	2,423591E+21
-2040	5,376118E+21	8,645270E+21	1,104900E+22	1,104929E+22	8,645831E+21	5,376591E+21	2,423862E+21	5,790073E+20	3,024831E+19	3,023654E+19	5,788752E+20	2,423664E+21
-2039	5,376559E+21	8,646063E+21	1,104969E+22	1,104952E+22	8,645629E+21	5,376177E+21	2,423461E+21	5,787872E+20	3,022077E+19	3,023075E+19	5,789454E+20	2,423828E+21
-2038	5,376581E+21	8,645845E+21	1,104949E+22	1,104967E+22	8,646079E+21	5,376606E+21	2,423671E+21	5,787996E+20	3,020034E+19	3,019778E+19	5,787354E+20	2,423481E+21
-2037	5,376327E+21	8,646021E+21	1,105013E+22	1,105019E+22	8,646264E+21	5,376637E+21	2,423657E+21	5,787853E+20	3,019486E+19	3,018794E+19	5,787421E+20	2,423696E+21
-2036	5,376883E+21	8,646660E+21	1,105056E+22	1,105023E+22	8,646002E+21	5,376316E+21	2,423383E+21	5,786143E+20	3,016822E+19	3,018040E+19	5,787389E+20	2,423571E+21
-2035	5,376491E+21	8,646066E+21	1,105011E+22	1,105043E+22	8,646525E+21	5,376800E+21	2,423721E+21	5,787620E+20	3,017779E+19	3,016542E+19	5,786054E+20	2,423350E+21
-2034	5,376373E+21	8,646375E+21	1,105060E+22	1,105061E+22	8,646452E+21	5,376587E+21	2,423530E+21	5,787090E+20	3,018414E+19	3,018669E+19	5,787643E+20	2,423708E+21
-2033	5,376737E+21	8,646396E+21	1,105032E+22	1,105018E+22	8,646151E+21	5,376476E+21	2,423477E+21	5,786640E+20	3,017797E+19	3,018686E+19	5,787447E+20	2,423541E+21
-2032	5,376341E+21	8,645732E+21	1,104972E+22	1,105005E+22	8,646305E+21	5,376753E+21	2,423785E+21	5,788609E+20	3,020808E+19	3,019927E+19	5,787450E+20	2,423561E+21
-2031	5,376579E+21	8,646250E+21	1,104998E+22	1,104979E+22	8,645805E+21	5,376265E+21	2,423478E+21	5,787721E+20	3,021369E+19	3,022757E+19	5,789347E+20	2,423839E+21
-2030	5,376649E+21	8,645913E+21	1,104934E+22	1,104925E+22	8,645701E+21	5,376438E+21	2,423680E+21	5,788844E+20	3,023381E+19	3,023539E+19	5,788815E+20	2,423562E+21
-2029	5,376148E+21	8,645461E+21	1,104919E+22	1,104924E+22	8,645683E+21	5,376493E+21	2,423847E+21	5,790501E+20	3,026798E+19	3,026372E+19	5,789794E+20	2,423770E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2028	5,376544E+21	8,645797E+21	1,104914E+22	1,104884E+22	8,645167E+21	5,376031E+21	2,423559E+21	5,789630E+20	3,027522E+19	3,028984E+19	5,791429E+20	2,423881E+21
-2027	5,376267E+21	8,645006E+21	1,104813E+22	1,104839E+22	8,645376E+21	5,376461E+21	2,423936E+21	5,791635E+20	3,030367E+19	3,029861E+19	5,790735E+20	2,423667E+21
-2026	5,376015E+21	8,644995E+21	1,104829E+22	1,104839E+22	8,645262E+21	5,376335E+21	2,423876E+21	5,791901E+20	3,031909E+19	3,031953E+19	5,792087E+20	2,424003E+21
-2025	5,376498E+21	8,645262E+21	1,104815E+22	1,104793E+22	8,644820E+21	5,376077E+21	2,423733E+21	5,791099E+20	3,031237E+19	3,032140E+19	5,792139E+20	2,423861E+21
-2024	5,376105E+21	8,644651E+21	1,104764E+22	1,104790E+22	8,645097E+21	5,376442E+21	2,424056E+21	5,792685E+20	3,032281E+19	3,031208E+19	5,791055E+20	2,423703E+21
-2023	5,376135E+21	8,645185E+21	1,104834E+22	1,104818E+22	8,644920E+21	5,376061E+21	2,423737E+21	5,791317E+20	3,031227E+19	3,031519E+19	5,792164E+20	2,423996E+21
-2022	5,376408E+21	8,645173E+21	1,104819E+22	1,104813E+22	8,645040E+21	5,376202E+21	2,423758E+21	5,790722E+20	3,029149E+19	3,029597E+19	5,790919E+20	2,423709E+21
-2021	5,376013E+21	8,644892E+21	1,104838E+22	1,104864E+22	8,645454E+21	5,376465E+21	2,423915E+21	5,791283E+20	3,028601E+19	3,027441E+19	5,790072E+20	2,423769E+21
-2020	5,376511E+21	8,645735E+21	1,104906E+22	1,104888E+22	8,645290E+21	5,376088E+21	2,423529E+21	5,789015E+20	3,025570E+19	3,026664E+19	5,790618E+20	2,423885E+21
-2019	5,376486E+21	8,645511E+21	1,104881E+22	1,104894E+22	8,645665E+21	5,376507E+21	2,423770E+21	5,789390E+20	3,023928E+19	3,023480E+19	5,788525E+20	2,423525E+21
-2018	5,376170E+21	8,645632E+21	1,104948E+22	1,104955E+22	8,645911E+21	5,376549E+21	2,423764E+21	5,789437E+20	3,023961E+19	3,023020E+19	5,788697E+20	2,423725E+21
-2017	5,376663E+21	8,646140E+21	1,104981E+22	1,104959E+22	8,645676E+21	5,376232E+21	2,423487E+21	5,787771E+20	3,021528E+19	3,022672E+19	5,788934E+20	2,423657E+21
-2016	5,376345E+21	8,645564E+21	1,104923E+22	1,104954E+22	8,646033E+21	5,376651E+21	2,423800E+21	5,789179E+20	3,022557E+19	3,021513E+19	5,787865E+20	2,423486E+21
-2015	5,376241E+21	8,645855E+21	1,104972E+22	1,104971E+22	8,645903E+21	5,376400E+21	2,423601E+21	5,788564E+20	3,022942E+19	3,023494E+19	5,789365E+20	2,423845E+21
-2014	5,376654E+21	8,645913E+21	1,104941E+22	1,104927E+22	8,645638E+21	5,376324E+21	2,423564E+21	5,788198E+20	3,022522E+19	3,023676E+19	5,789239E+20	2,423671E+21
-2013	5,376259E+21	8,645363E+21	1,104897E+22	1,104917E+22	8,645753E+21	5,376573E+21	2,423870E+21	5,790253E+20	3,025663E+19	3,024741E+19	5,789036E+20	2,423652E+21
-2012	5,376468E+21	8,645856E+21	1,104926E+22	1,104899E+22	8,645296E+21	5,376098E+21	2,423573E+21	5,789451E+20	3,026489E+19	3,027842E+19	5,790995E+20	2,423902E+21
-2011	5,376441E+21	8,645370E+21	1,104845E+22	1,104837E+22	8,645184E+21	5,376276E+21	2,423798E+21	5,790831E+20	3,029101E+19	3,029102E+19	5,790684E+20	2,423658E+21
-2010	5,375926E+21	8,644838E+21	1,104823E+22	1,104839E+22	8,645279E+21	5,376398E+21	2,423972E+21	5,792522E+20	3,032746E+19	3,032182E+19	5,791720E+20	2,423880E+21
-2009	5,376353E+21	8,645157E+21	1,104811E+22	1,104792E+22	8,644740E+21	5,375960E+21	2,423700E+21	5,791587E+20	3,033223E+19	3,034594E+19	5,793326E+20	2,424016E+21
-2008	5,376174E+21	8,644491E+21	1,104710E+22	1,104731E+22	8,644776E+21	5,376309E+21	2,424051E+21	5,793430E+20	3,035600E+19	3,035125E+19	5,792529E+20	2,423786E+21
-2007	5,375898E+21	8,644534E+21	1,104744E+22	1,104744E+22	8,644652E+21	5,376134E+21	2,423969E+21	5,793532E+20	3,036631E+19	3,036640E+19	5,793609E+20	2,424076E+21
-2006	5,376346E+21	8,644794E+21	1,104736E+22	1,104711E+22	8,644315E+21	5,375908E+21	2,423816E+21	5,792669E+20	3,035860E+19	3,036830E+19	5,793728E+20	2,423935E+21
-2005	5,375926E+21	8,644218E+21	1,104698E+22	1,104722E+22	8,644663E+21	5,376269E+21	2,424109E+21	5,794075E+20	3,036518E+19	3,035414E+19	5,792503E+20	2,423794E+21
-2004	5,376013E+21	8,644760E+21	1,104766E+22	1,104754E+22	8,644569E+21	5,375944E+21	2,423787E+21	5,792515E+20	3,035081E+19	3,035546E+19	5,793567E+20	2,424085E+21
-2003	5,376292E+21	8,644728E+21	1,104743E+22	1,104738E+22	8,644636E+21	5,376101E+21	2,423842E+21	5,792036E+20	3,033007E+19	3,033468E+19	5,792281E+20	2,423812E+21
-2002	5,375935E+21	8,644509E+21	1,104767E+22	1,104798E+22	8,645135E+21	5,376398E+21	2,424007E+21	5,792657E+20	3,032605E+19	3,031290E+19	5,791284E+20	2,423831E+21
-2001	5,376412E+21	8,645373E+21	1,104839E+22	1,104821E+22	8,644951E+21	5,376031E+21	2,423641E+21	5,790482E+20	3,029657E+19	3,030569E+19	5,791835E+20	2,423940E+21
-2000	5,376383E+21	8,645166E+21	1,104814E+22	1,104816E+22	8,645172E+21	5,376353E+21	2,423853E+21	5,790865E+20	3,028224E+19	3,027736E+19	5,789966E+20	2,423596E+21
-1999	5,375999E+21	8,645162E+21	1,104878E+22	1,104885E+22	8,645445E+21	5,376365E+21	2,423827E+21	5,790864E+20	3,028278E+19	3,027482E+19	5,790227E+20	2,423808E+21
-1998	5,376489E+21	8,645600E+21	1,104898E+22	1,104883E+22	8,645276E+21	5,376111E+21	2,423560E+21	5,789216E+20	3,026026E+19	3,027475E+19	5,790694E+20	2,423786E+21
-1997	5,376232E+21	8,645123E+21	1,104846E+22	1,104871E+22	8,645552E+21	5,376505E+21	2,423872E+21	5,790619E+20	3,026998E+19	3,026054E+19	5,789471E+20	2,423615E+21
-1996	5,376191E+21	8,645452E+21	1,104892E+22	1,104885E+22	8,645413E+21	5,376263E+21	2,423688E+21	5,790050E+20	3,027410E+19	3,028054E+19	5,790852E+20	2,423919E+21
-1995	5,376530E+21	8,645479E+21	1,104857E+22	1,104834E+22	8,645077E+21	5,376170E+21	2,423685E+21	5,790026E+20	3,027659E+19	3,028579E+19	5,790834E+20	2,423742E+21
-1994	5,376080E+21	8,644865E+21	1,104816E+22	1,104837E+22	8,645294E+21	5,376432E+21	2,423987E+21	5,792235E+20	3,031389E+19	3,030199E+19	5,790739E+20	2,423710E+21
-1993	5,376234E+21	8,645246E+21	1,104834E+22	1,104818E+22	8,644892E+21	5,376001E+21	2,423705E+21	5,791482E+20	3,032381E+19	3,033583E+19	5,792923E+20	2,424015E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1992	5,376275E+21	8,644784E+21	1,104745E+22	1,104736E+22	8,644636E+21	5,376126E+21	2,423906E+21	5,792734E+20	3,034879E+19	3,035034E+19	5,792796E+20	2,423813E+21
-1991	5,375783E+21	8,644237E+21	1,104723E+22	1,104740E+22	8,644700E+21	5,376227E+21	2,424075E+21	5,794271E+20	3,038007E+19	3,037651E+19	5,793610E+20	2,424007E+21
-1990	5,376231E+21	8,644610E+21	1,104713E+22	1,104696E+22	8,644223E+21	5,375833E+21	2,423812E+21	5,793317E+20	3,038343E+19	3,039869E+19	5,795154E+20	2,424130E+21
-1989	5,376060E+21	8,644094E+21	1,104634E+22	1,104639E+22	8,644197E+21	5,376132E+21	2,424142E+21	5,795064E+20	3,040372E+19	3,039838E+19	5,794087E+20	2,423870E+21
-1988	5,375765E+21	8,644089E+21	1,104669E+22	1,104665E+22	8,644145E+21	5,375965E+21	2,424048E+21	5,795077E+20	3,041247E+19	3,041205E+19	5,795087E+20	2,424127E+21
-1987	5,376143E+21	8,644257E+21	1,104652E+22	1,104631E+22	8,643849E+21	5,375755E+21	2,423903E+21	5,794291E+20	3,040580E+19	3,041464E+19	5,795345E+20	2,424038E+21
-1986	5,375776E+21	8,643696E+21	1,104615E+22	1,104650E+22	8,644311E+21	5,376164E+21	2,424187E+21	5,795590E+20	3,041137E+19	3,039931E+19	5,794019E+20	2,423896E+21
-1985	5,375911E+21	8,644297E+21	1,104686E+22	1,104681E+22	8,644220E+21	5,375886E+21	2,423892E+21	5,793973E+20	3,039351E+19	3,039719E+19	5,794977E+20	2,424197E+21
-1984	5,376264E+21	8,644401E+21	1,104671E+22	1,104655E+22	8,644139E+21	5,375960E+21	2,423920E+21	5,793380E+20	3,036983E+19	3,037435E+19	5,793611E+20	2,423894E+21
-1983	5,375854E+21	8,644192E+21	1,104709E+22	1,104729E+22	8,644648E+21	5,376235E+21	2,424078E+21	5,793932E+20	3,036349E+19	3,035036E+19	5,792458E+20	2,423864E+21
-1982	5,376256E+21	8,644982E+21	1,104779E+22	1,104761E+22	8,644590E+21	5,375918E+21	2,423718E+21	5,791821E+20	3,033625E+19	3,034647E+19	5,793198E+20	2,423987E+21
-1981	5,376202E+21	8,644773E+21	1,104756E+22	1,104754E+22	8,644801E+21	5,376225E+21	2,423910E+21	5,792135E+20	3,032145E+19	3,031743E+19	5,791382E+20	2,423686E+21
-1980	5,375872E+21	8,644696E+21	1,104806E+22	1,104817E+22	8,645091E+21	5,376272E+21	2,423894E+21	5,792119E+20	3,032233E+19	3,031663E+19	5,791680E+20	2,423892E+21
-1979	5,376347E+21	8,645085E+21	1,104812E+22	1,104800E+22	8,644823E+21	5,376007E+21	2,423666E+21	5,790744E+20	3,030416E+19	3,031882E+19	5,792264E+20	2,423902E+21
-1978	5,376143E+21	8,644659E+21	1,104761E+22	1,104790E+22	8,645120E+21	5,376391E+21	2,423979E+21	5,792314E+20	3,031926E+19	3,030798E+19	5,790994E+20	2,423695E+21
-1977	5,376074E+21	8,645012E+21	1,104810E+22	1,104800E+22	8,644924E+21	5,376154E+21	2,423823E+21	5,791940E+20	3,032700E+19	3,033116E+19	5,792497E+20	2,424006E+21
-1976	5,376393E+21	8,645007E+21	1,104772E+22	1,104739E+22	8,644456E+21	5,375961E+21	2,423785E+21	5,791955E+20	3,033354E+19	3,034189E+19	5,792750E+20	2,423849E+21
-1975	5,375892E+21	8,644292E+21	1,104727E+22	1,104750E+22	8,644736E+21	5,376231E+21	2,424072E+21	5,794051E+20	3,036979E+19	3,036000E+19	5,792745E+20	2,423831E+21
-1974	5,376058E+21	8,644628E+21	1,104733E+22	1,104725E+22	8,644410E+21	5,375877E+21	2,423807E+21	5,793299E+20	3,038002E+19	3,039480E+19	5,795025E+20	2,424159E+21
-1973	5,376147E+21	8,644275E+21	1,104653E+22	1,104639E+22	8,644080E+21	5,375974E+21	2,424002E+21	5,794439E+20	3,040104E+19	3,040403E+19	5,794661E+20	2,423952E+21
-1972	5,375712E+21	8,643765E+21	1,104633E+22	1,104647E+22	8,644166E+21	5,376082E+21	2,424173E+21	5,795906E+20	3,042914E+19	3,042619E+19	5,795216E+20	2,424072E+21
-1971	5,376058E+21	8,644099E+21	1,104623E+22	1,104600E+22	8,643644E+21	5,375677E+21	2,423937E+21	5,795166E+20	3,043502E+19	3,044786E+19	5,796756E+20	2,424200E+21
-1970	5,375868E+21	8,643553E+21	1,104549E+22	1,104560E+22	8,643742E+21	5,375984E+21	2,424247E+21	5,796886E+20	3,045628E+19	3,044823E+19	5,795661E+20	2,423931E+21
-1969	5,375566E+21	8,643537E+21	1,104583E+22	1,104586E+22	8,643739E+21	5,375868E+21	2,424161E+21	5,796811E+20	3,046264E+19	3,046038E+19	5,796739E+20	2,424234E+21
-1968	5,376018E+21	8,643767E+21	1,104565E+22	1,104542E+22	8,643338E+21	5,375604E+21	2,423983E+21	5,795808E+20	3,045205E+19	3,046175E+19	5,797031E+20	2,424172E+21
-1967	5,375700E+21	8,643268E+21	1,104540E+22	1,104573E+22	8,643827E+21	5,376009E+21	2,424253E+21	5,796873E+20	3,045126E+19	3,044123E+19	5,795464E+20	2,423997E+21
-1966	5,375850E+21	8,643938E+21	1,104615E+22	1,104609E+22	8,643831E+21	5,375790E+21	2,423976E+21	5,795287E+20	3,043262E+19	3,043738E+19	5,796326E+20	2,424266E+21
-1965	5,376173E+21	8,644153E+21	1,104621E+22	1,104592E+22	8,643706E+21	5,375822E+21	2,423989E+21	5,794639E+20	3,040686E+19	3,041093E+19	5,794803E+20	2,423948E+21
-1964	5,375732E+21	8,643831E+21	1,104653E+22	1,104673E+22	8,644283E+21	5,376107E+21	2,424142E+21	5,795198E+20	3,040172E+19	3,038848E+19	5,793674E+20	2,423883E+21
-1963	5,376023E+21	8,644455E+21	1,104704E+22	1,104696E+22	8,644230E+21	5,375820E+21	2,423811E+21	5,793302E+20	3,037884E+19	3,038852E+19	5,794667E+20	2,424075E+21
-1962	5,376037E+21	8,644229E+21	1,104673E+22	1,104685E+22	8,644467E+21	5,376144E+21	2,424004E+21	5,793659E+20	3,036695E+19	3,036203E+19	5,792899E+20	2,423787E+21
-1961	5,375764E+21	8,644200E+21	1,104716E+22	1,104735E+22	8,644679E+21	5,376209E+21	2,424020E+21	5,793737E+20	3,036840E+19	3,036196E+19	5,793239E+20	2,424010E+21
-1960	5,376293E+21	8,644689E+21	1,104726E+22	1,104703E+22	8,644230E+21	5,375832E+21	2,423761E+21	5,792385E+20	3,035217E+19	3,036658E+19	5,793904E+20	2,424013E+21
-1959	5,376052E+21	8,644261E+21	1,104686E+22	1,104703E+22	8,644510E+21	5,376172E+21	2,424055E+21	5,793914E+20	3,036802E+19	3,035766E+19	5,792625E+20	2,423769E+21
-1958	5,375910E+21	8,644526E+21	1,104730E+22	1,104721E+22	8,644445E+21	5,375990E+21	2,423909E+21	5,793663E+20	3,037918E+19	3,038497E+19	5,794341E+20	2,424097E+21
-1957	5,376219E+21	8,644551E+21	1,104697E+22	1,104659E+22	8,643963E+21	5,375786E+21	2,423853E+21	5,793583E+20	3,038503E+19	3,039522E+19	5,794641E+20	2,423981E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1956	5,375763E+21	8,643759E+21	1,104638E+22	1,104664E+22	8,644270E+21	5,376106E+21	2,424161E+21	5,795650E+20	3,041994E+19	3,041274E+19	5,794547E+20	2,423928E+21
-1955	5,375880E+21	8,644035E+21	1,104633E+22	1,104629E+22	8,643906E+21	5,375775E+21	2,423944E+21	5,795147E+20	3,043270E+19	3,044707E+19	5,796817E+20	2,424276E+21
-1954	5,376021E+21	8,643731E+21	1,104556E+22	1,104548E+22	8,643597E+21	5,375864E+21	2,424140E+21	5,796385E+20	3,045617E+19	3,045666E+19	5,796322E+20	2,424027E+21
-1953	5,375554E+21	8,643248E+21	1,104539E+22	1,104553E+22	8,643639E+21	5,375973E+21	2,424326E+21	5,797923E+20	3,048456E+19	3,047842E+19	5,796920E+20	2,424155E+21
-1952	5,375872E+21	8,643557E+21	1,104531E+22	1,104503E+22	8,643014E+21	5,375459E+21	2,424037E+21	5,797086E+20	3,049111E+19	3,050243E+19	5,798623E+20	2,424313E+21
-1951	5,375690E+21	8,642986E+21	1,104460E+22	1,104473E+22	8,643178E+21	5,375772E+21	2,424311E+21	5,798500E+20	3,050699E+19	3,050087E+19	5,797500E+20	2,424056E+21
-1950	5,375438E+21	8,643021E+21	1,104494E+22	1,104502E+22	8,643283E+21	5,375736E+21	2,424239E+21	5,798331E+20	3,051011E+19	3,050986E+19	5,798506E+20	2,424365E+21
-1949	5,375955E+21	8,643437E+21	1,104496E+22	1,104464E+22	8,642860E+21	5,375454E+21	2,424047E+21	5,797116E+20	3,049280E+19	3,050370E+19	5,798469E+20	2,424283E+21
-1948	5,375670E+21	8,642979E+21	1,104478E+22	1,104506E+22	8,643421E+21	5,375887E+21	2,424318E+21	5,798086E+20	3,048827E+19	3,047837E+19	5,796605E+20	2,424020E+21
-1947	5,375684E+21	8,643557E+21	1,104552E+22	1,104545E+22	8,643445E+21	5,375694E+21	2,424081E+21	5,796733E+20	3,047242E+19	3,047492E+19	5,797504E+20	2,424298E+21
-1946	5,375975E+21	8,643679E+21	1,104555E+22	1,104540E+22	8,643432E+21	5,375736E+21	2,424081E+21	5,796105E+20	3,044896E+19	3,045091E+19	5,796061E+20	2,423989E+21
-1945	5,375544E+21	8,643327E+21	1,104575E+22	1,104608E+22	8,643988E+21	5,376065E+21	2,424253E+21	5,796678E+20	3,044418E+19	3,043020E+19	5,795158E+20	2,423986E+21
-1944	5,375879E+21	8,643945E+21	1,104617E+22	1,104610E+22	8,643745E+21	5,375686E+21	2,423895E+21	5,794735E+20	3,042169E+19	3,043243E+19	5,796261E+20	2,424208E+21
-1943	5,375964E+21	8,643794E+21	1,104592E+22	1,104601E+22	8,643937E+21	5,375975E+21	2,424073E+21	5,794986E+20	3,040826E+19	3,040581E+19	5,794447E+20	2,423904E+21
-1942	5,375716E+21	8,643848E+21	1,104638E+22	1,104649E+22	8,644170E+21	5,376059E+21	2,424105E+21	5,795231E+20	3,041296E+19	3,040804E+19	5,794804E+20	2,424097E+21
-1941	5,376203E+21	8,644412E+21	1,104663E+22	1,104624E+22	8,643672E+21	5,375631E+21	2,423830E+21	5,793902E+20	3,039796E+19	3,041255E+19	5,795453E+20	2,424102E+21
-1940	5,375931E+21	8,643856E+21	1,104617E+22	1,104634E+22	8,644052E+21	5,375986E+21	2,424112E+21	5,795442E+20	3,041619E+19	3,040699E+19	5,794252E+20	2,423831E+21
-1939	5,375681E+21	8,643938E+21	1,104641E+22	1,104641E+22	8,644013E+21	5,375871E+21	2,424019E+21	5,795461E+20	3,043214E+19	3,043783E+19	5,796163E+20	2,424212E+21
-1938	5,376041E+21	8,643927E+21	1,104599E+22	1,104577E+22	8,643562E+21	5,375698E+21	2,423981E+21	5,795486E+20	3,044119E+19	3,044996E+19	5,796448E+20	2,424090E+21
-1937	5,375626E+21	8,643200E+21	1,104535E+22	1,104567E+22	8,643785E+21	5,376040E+21	2,424327E+21	5,797669E+20	3,047609E+19	3,046720E+19	5,796369E+20	2,424038E+21
-1936	5,375725E+21	8,643498E+21	1,104531E+22	1,104520E+22	8,643246E+21	5,375597E+21	2,424080E+21	5,797190E+20	3,049043E+19	3,050256E+19	5,798632E+20	2,424371E+21
-1935	5,375848E+21	8,643199E+21	1,104464E+22	1,104450E+22	8,642941E+21	5,375646E+21	2,424244E+21	5,798276E+20	3,051216E+19	3,051284E+19	5,798169E+20	2,424113E+21
-1934	5,375358E+21	8,642682E+21	1,104444E+22	1,104462E+22	8,643101E+21	5,375790E+21	2,424419E+21	5,799762E+20	3,053986E+19	3,053468E+19	5,798865E+20	2,424263E+21
-1933	5,375708E+21	8,643088E+21	1,104447E+22	1,104416E+22	8,642490E+21	5,375271E+21	2,424098E+21	5,798649E+20	3,054083E+19	3,055395E+19	5,800471E+20	2,424463E+21
-1932	5,375609E+21	8,642536E+21	1,104379E+22	1,104394E+22	8,642725E+21	5,375617E+21	2,424363E+21	5,799835E+20	3,055054E+19	3,054703E+19	5,799081E+20	2,424156E+21
-1931	5,375321E+21	8,642568E+21	1,104413E+22	1,104425E+22	8,642864E+21	5,375637E+21	2,424344E+21	5,799829E+20	3,055320E+19	3,055218E+19	5,799935E+20	2,424462E+21
-1930	5,375867E+21	8,643041E+21	1,104426E+22	1,104400E+22	8,642518E+21	5,375376E+21	2,424158E+21	5,798660E+20	3,053614E+19	3,054426E+19	5,799684E+20	2,424322E+21
-1929	5,375526E+21	8,642599E+21	1,104410E+22	1,104440E+22	8,643061E+21	5,375829E+21	2,424451E+21	5,799685E+20	3,053129E+19	3,051843E+19	5,797905E+20	2,424068E+21
-1928	5,375475E+21	8,643075E+21	1,104478E+22	1,104472E+22	8,642999E+21	5,375548E+21	2,424170E+21	5,798279E+20	3,051697E+19	3,051824E+19	5,798970E+20	2,424380E+21
-1927	5,375803E+21	8,643165E+21	1,104475E+22	1,104465E+22	8,642985E+21	5,375586E+21	2,424141E+21	5,797419E+20	3,049049E+19	3,049497E+19	5,797626E+20	2,424102E+21
-1926	5,375437E+21	8,642856E+21	1,104488E+22	1,104527E+22	8,643558E+21	5,375947E+21	2,424326E+21	5,798009E+20	3,048557E+19	3,047394E+19	5,796738E+20	2,424111E+21
-1925	5,375839E+21	8,643656E+21	1,104548E+22	1,104530E+22	8,643232E+21	5,375509E+21	2,423948E+21	5,795968E+20	3,046011E+19	3,047264E+19	5,797670E+20	2,424327E+21
-1924	5,375945E+21	8,643530E+21	1,104530E+22	1,104529E+22	8,643449E+21	5,375789E+21	2,424117E+21	5,796232E+20	3,044740E+19	3,044539E+19	5,795691E+20	2,423943E+21
-1923	5,375552E+21	8,643464E+21	1,104573E+22	1,104581E+22	8,643729E+21	5,375914E+21	2,424199E+21	5,796812E+20	3,045805E+19	3,045164E+19	5,796206E+20	2,424153E+21
-1922	5,376010E+21	8,643911E+21	1,104591E+22	1,104565E+22	8,643347E+21	5,375522E+21	2,423930E+21	5,795626E+20	3,044834E+19	3,046065E+19	5,796978E+20	2,424162E+21
-1921	5,375730E+21	8,643312E+21	1,104529E+22	1,104557E+22	8,643697E+21	5,375939E+21	2,424251E+21	5,797269E+20	3,046868E+19	3,045904E+19	5,796067E+20	2,423946E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1920	5,375486E+21	8,643326E+21	1,104539E+22	1,104544E+22	8,643482E+21	5,375743E+21	2,424147E+21	5,797354E+20	3,048719E+19	3,049300E+19	5,798060E+20	2,424344E+21
-1919	5,375906E+21	8,643359E+21	1,104496E+22	1,104476E+22	8,642978E+21	5,375540E+21	2,424098E+21	5,797314E+20	3,049598E+19	3,050645E+19	5,798376E+20	2,424213E+21
-1918	5,375507E+21	8,642699E+21	1,104433E+22	1,104462E+22	8,643186E+21	5,375883E+21	2,424453E+21	5,799619E+20	3,053275E+19	3,052456E+19	5,798305E+20	2,424144E+21
-1917	5,375575E+21	8,643063E+21	1,104447E+22	1,104422E+22	8,642585E+21	5,375359E+21	2,424166E+21	5,799033E+20	3,054580E+19	3,055803E+19	5,800525E+20	2,424491E+21
-1916	5,375699E+21	8,642689E+21	1,104377E+22	1,104363E+22	8,642384E+21	5,375412E+21	2,424296E+21	5,799955E+20	3,056538E+19	3,056747E+19	5,800018E+20	2,424211E+21
-1915	5,375158E+21	8,642091E+21	1,104349E+22	1,104373E+22	8,642611E+21	5,375636E+21	2,424509E+21	5,801500E+20	3,059238E+19	3,058750E+19	5,800727E+20	2,424404E+21
-1914	5,375585E+21	8,642537E+21	1,104356E+22	1,104338E+22	8,642095E+21	5,375173E+21	2,424206E+21	5,800354E+20	3,059160E+19	3,060332E+19	5,802082E+20	2,424571E+21
-1913	5,375532E+21	8,642131E+21	1,104296E+22	1,104314E+22	8,642322E+21	5,375557E+21	2,424498E+21	5,801504E+20	3,059723E+19	3,059239E+19	5,800590E+20	2,424247E+21
-1912	5,375194E+21	8,642153E+21	1,104335E+22	1,104340E+22	8,642347E+21	5,375497E+21	2,424456E+21	5,801492E+20	3,059981E+19	3,059592E+19	5,801290E+20	2,424515E+21
-1911	5,375699E+21	8,642600E+21	1,104356E+22	1,104329E+22	8,642060E+21	5,375229E+21	2,424244E+21	5,800137E+20	3,057992E+19	3,058822E+19	5,801088E+20	2,424371E+21
-1910	5,375341E+21	8,642134E+21	1,104334E+22	1,104368E+22	8,642672E+21	5,375708E+21	2,424528E+21	5,801110E+20	3,057415E+19	3,056225E+19	5,799427E+20	2,424148E+21
-1909	5,375317E+21	8,642655E+21	1,104405E+22	1,104397E+22	8,642563E+21	5,375399E+21	2,424218E+21	5,799483E+20	3,055541E+19	3,055876E+19	5,800430E+20	2,424501E+21
-1908	5,375731E+21	8,642773E+21	1,104404E+22	1,104394E+22	8,642573E+21	5,375434E+21	2,424175E+21	5,798492E+20	3,052548E+19	3,053250E+19	5,798930E+20	2,424191E+21
-1907	5,375350E+21	8,642479E+21	1,104416E+22	1,104452E+22	8,643137E+21	5,375827E+21	2,424409E+21	5,799333E+20	3,052381E+19	3,051178E+19	5,798020E+20	2,424201E+21
-1906	5,375762E+21	8,643303E+21	1,104484E+22	1,104467E+22	8,642864E+21	5,375407E+21	2,424051E+21	5,797501E+20	3,050300E+19	3,051259E+19	5,798867E+20	2,424369E+21
-1905	5,375810E+21	8,643174E+21	1,104466E+22	1,104463E+22	8,643064E+21	5,375694E+21	2,424237E+21	5,797924E+20	3,049467E+19	3,049032E+19	5,797180E+20	2,424006E+21
-1904	5,375330E+21	8,642926E+21	1,104492E+22	1,104503E+22	8,643264E+21	5,375756E+21	2,424295E+21	5,798593E+20	3,051047E+19	3,050304E+19	5,797922E+20	2,424249E+21
-1903	5,375816E+21	8,643320E+21	1,104497E+22	1,104478E+22	8,642887E+21	5,375393E+21	2,424024E+21	5,797322E+20	3,050139E+19	3,051593E+19	5,798897E+20	2,424291E+21
-1902	5,375592E+21	8,642753E+21	1,104426E+22	1,104457E+22	8,643191E+21	5,375826E+21	2,424370E+21	5,799081E+20	3,052325E+19	3,051578E+19	5,798057E+20	2,424086E+21
-1901	5,375390E+21	8,642880E+21	1,104446E+22	1,104442E+22	8,642873E+21	5,375561E+21	2,424244E+21	5,799097E+20	3,053953E+19	3,054674E+19	5,799894E+20	2,424473E+21
-1900	5,375814E+21	8,642926E+21	1,104410E+22	1,104381E+22	8,642376E+21	5,375324E+21	2,424173E+21	5,799023E+20	3,054798E+19	3,055897E+19	5,800085E+20	2,424286E+21
-1899	5,375305E+21	8,642163E+21	1,104345E+22	1,104370E+22	8,642624E+21	5,375694E+21	2,424557E+21	5,801503E+20	3,058756E+19	3,057869E+19	5,800123E+20	2,424247E+21
-1898	5,375384E+21	8,642462E+21	1,104357E+22	1,104343E+22	8,642144E+21	5,375213E+21	2,424270E+21	5,800924E+20	3,060186E+19	3,061221E+19	5,802303E+20	2,424591E+21
-1897	5,375534E+21	8,642142E+21	1,104284E+22	1,104275E+22	8,641943E+21	5,375322E+21	2,424421E+21	5,801776E+20	3,061873E+19	3,062079E+19	5,801890E+20	2,424343E+21
-1896	5,375007E+21	8,641536E+21	1,104254E+22	1,104279E+22	8,642081E+21	5,375491E+21	2,424619E+21	5,803276E+20	3,064455E+19	3,063888E+19	5,802457E+20	2,424528E+21
-1895	5,375497E+21	8,642078E+21	1,104268E+22	1,104247E+22	8,641592E+21	5,375048E+21	2,424314E+21	5,802005E+20	3,064091E+19	3,065300E+19	5,803694E+20	2,424656E+21
-1894	5,375416E+21	8,641727E+21	1,104216E+22	1,104227E+22	8,641842E+21	5,375444E+21	2,424614E+21	5,803179E+20	3,064507E+19	3,063979E+19	5,802130E+20	2,424312E+21
-1893	5,375039E+21	8,641773E+21	1,104270E+22	1,104266E+22	8,641848E+21	5,375313E+21	2,424525E+21	5,802965E+20	3,064401E+19	3,063993E+19	5,802754E+20	2,424590E+21
-1892	5,375537E+21	8,642135E+21	1,104284E+22	1,104261E+22	8,641649E+21	5,375050E+21	2,424276E+21	5,801395E+20	3,062018E+19	3,062990E+19	5,802496E+20	2,424439E+21
-1891	5,375158E+21	8,641619E+21	1,104254E+22	1,104293E+22	8,642283E+21	5,375598E+21	2,424599E+21	5,802415E+20	3,061374E+19	3,060240E+19	5,800875E+20	2,424267E+21
-1890	5,375227E+21	8,642187E+21	1,104330E+22	1,104330E+22	8,642215E+21	5,375315E+21	2,424306E+21	5,800839E+20	3,059517E+19	3,059706E+19	5,801655E+20	2,424582E+21
-1889	5,375676E+21	8,642453E+21	1,104337E+22	1,104323E+22	8,642188E+21	5,375360E+21	2,424284E+21	5,799918E+20	3,056518E+19	3,057081E+19	5,800215E+20	2,424264E+21
-1888	5,375232E+21	8,642115E+21	1,104350E+22	1,104377E+22	8,642646E+21	5,375667E+21	2,424495E+21	5,800874E+20	3,056806E+19	3,055375E+19	5,799337E+20	2,424258E+21
-1887	5,375611E+21	8,642877E+21	1,104416E+22	1,104398E+22	8,642437E+21	5,375266E+21	2,424132E+21	5,799030E+20	3,054936E+19	3,055973E+19	5,800407E+20	2,424434E+21
-1886	5,375634E+21	8,642689E+21	1,104387E+22	1,104388E+22	8,642676E+21	5,375583E+21	2,424324E+21	5,799512E+20	3,054360E+19	3,054108E+19	5,798967E+20	2,424117E+21
-1885	5,375187E+21	8,642451E+21	1,104410E+22	1,104419E+22	8,642785E+21	5,375608E+21	2,424365E+21	5,800071E+20	3,055752E+19	3,055333E+19	5,799712E+20	2,424387E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1884	5,375722E+21	8,642836E+21	1,104411E+22	1,104392E+22	8,642398E+21	5,375233E+21	2,424090E+21	5,798793E+20	3,054780E+19	3,056488E+19	5,800580E+20	2,424399E+21
-1883	5,375472E+21	8,642269E+21	1,104334E+22	1,104361E+22	8,642660E+21	5,375695E+21	2,424488E+21	5,800831E+20	3,057375E+19	3,056638E+19	5,799783E+20	2,424199E+21
-1882	5,375263E+21	8,642367E+21	1,104361E+22	1,104355E+22	8,642367E+21	5,375430E+21	2,424377E+21	5,801045E+20	3,059427E+19	3,059846E+19	5,801501E+20	2,424537E+21
-1881	5,375639E+21	8,642427E+21	1,104325E+22	1,104294E+22	8,641860E+21	5,375184E+21	2,424308E+21	5,801060E+20	3,060560E+19	3,061471E+19	5,801987E+20	2,424387E+21
-1880	5,375079E+21	8,641521E+21	1,104244E+22	1,104272E+22	8,642034E+21	5,375488E+21	2,424654E+21	5,803509E+20	3,064750E+19	3,063739E+19	5,802100E+20	2,424374E+21
-1879	5,375214E+21	8,641833E+21	1,104252E+22	1,104242E+22	8,641605E+21	5,375069E+21	2,424374E+21	5,802789E+20	3,065976E+19	3,067121E+19	5,804319E+20	2,424728E+21
-1878	5,375423E+21	8,641624E+21	1,104186E+22	1,104175E+22	8,641403E+21	5,375190E+21	2,424537E+21	5,803614E+20	3,067404E+19	3,067716E+19	5,803798E+20	2,424469E+21
-1877	5,374928E+21	8,641143E+21	1,104170E+22	1,104184E+22	8,641502E+21	5,375313E+21	2,424708E+21	5,804925E+20	3,069427E+19	3,068870E+19	5,804076E+20	2,424617E+21
-1876	5,375383E+21	8,641684E+21	1,104196E+22	1,104169E+22	8,641103E+21	5,374871E+21	2,424382E+21	5,803523E+20	3,068667E+19	3,069819E+19	5,805092E+20	2,424690E+21
-1875	5,375199E+21	8,641230E+21	1,104142E+22	1,104155E+22	8,641424E+21	5,375317E+21	2,424706E+21	5,804724E+20	3,068979E+19	3,068384E+19	5,803607E+20	2,424385E+21
-1874	5,374840E+21	8,641197E+21	1,104193E+22	1,104204E+22	8,641532E+21	5,375231E+21	2,424617E+21	5,804444E+20	3,068755E+19	3,068169E+19	5,804113E+20	2,424658E+21
-1873	5,375382E+21	8,641649E+21	1,104207E+22	1,104190E+22	8,641303E+21	5,374992E+21	2,424379E+21	5,802786E+20	3,066049E+19	3,067086E+19	5,803987E+20	2,424550E+21
-1872	5,375039E+21	8,641138E+21	1,104172E+22	1,104211E+22	8,641805E+21	5,375457E+21	2,424677E+21	5,803792E+20	3,065455E+19	3,064276E+19	5,802262E+20	2,424377E+21
-1871	5,375185E+21	8,641827E+21	1,104256E+22	1,104250E+22	8,641762E+21	5,375204E+21	2,424392E+21	5,802212E+20	3,063648E+19	3,063910E+19	5,803034E+20	2,424660E+21
-1870	5,375602E+21	8,642146E+21	1,104273E+22	1,104248E+22	8,641727E+21	5,375231E+21	2,424376E+21	5,801410E+20	3,060891E+19	3,061441E+19	5,801664E+20	2,424336E+21
-1869	5,375122E+21	8,641786E+21	1,104291E+22	1,104309E+22	8,642174E+21	5,375476E+21	2,424545E+21	5,802260E+20	3,061168E+19	3,059848E+19	5,800860E+20	2,424345E+21
-1868	5,375475E+21	8,642430E+21	1,104345E+22	1,104331E+22	8,642049E+21	5,375101E+21	2,424167E+21	5,800350E+20	3,059223E+19	3,060474E+19	5,801944E+20	2,424517E+21
-1867	5,375465E+21	8,642163E+21	1,104303E+22	1,104308E+22	8,642272E+21	5,375488E+21	2,424416E+21	5,800999E+20	3,058904E+19	3,058804E+19	5,800656E+20	2,424251E+21
-1866	5,375088E+21	8,641920E+21	1,104324E+22	1,104341E+22	8,642376E+21	5,375529E+21	2,424488E+21	5,801739E+20	3,060556E+19	3,060032E+19	5,801219E+20	2,424468E+21
-1865	5,375611E+21	8,642401E+21	1,104328E+22	1,104304E+22	8,641911E+21	5,375144E+21	2,424235E+21	5,800631E+20	3,059863E+19	3,061400E+19	5,802213E+20	2,424476E+21
-1864	5,375283E+21	8,641741E+21	1,104246E+22	1,104265E+22	8,642040E+21	5,375504E+21	2,424606E+21	5,802815E+20	3,063040E+19	3,062025E+19	5,801502E+20	2,424278E+21
-1863	5,375077E+21	8,641796E+21	1,104266E+22	1,104259E+22	8,641805E+21	5,375260E+21	2,424485E+21	5,803011E+20	3,065323E+19	3,065727E+19	5,803438E+20	2,424628E+21
-1862	5,375438E+21	8,641823E+21	1,104224E+22	1,104195E+22	8,641323E+21	5,375030E+21	2,424415E+21	5,803015E+20	3,066518E+19	3,067510E+19	5,804081E+20	2,424525E+21
-1861	5,374948E+21	8,640988E+21	1,104149E+22	1,104174E+22	8,641451E+21	5,375290E+21	2,424725E+21	5,805201E+20	3,070176E+19	3,069446E+19	5,804106E+20	2,424529E+21
-1860	5,375135E+21	8,641339E+21	1,104161E+22	1,104150E+22	8,641075E+21	5,374885E+21	2,424444E+21	5,804399E+20	3,071011E+19	3,072298E+19	5,806056E+20	2,424831E+21
-1859	5,375300E+21	8,641158E+21	1,104101E+22	1,104085E+22	8,640904E+21	5,375072E+21	2,424653E+21	5,805333E+20	3,072392E+19	3,072706E+19	5,805469E+20	2,424568E+21
-1858	5,374788E+21	8,640659E+21	1,104096E+22	1,104112E+22	8,641061E+21	5,375205E+21	2,424834E+21	5,806702E+20	3,074424E+19	3,073549E+19	5,805504E+20	2,424651E+21
-1857	5,375177E+21	8,641194E+21	1,104121E+22	1,104097E+22	8,640699E+21	5,374774E+21	2,424503E+21	5,805247E+20	3,073545E+19	3,074555E+19	5,806700E+20	2,424762E+21
-1856	5,374966E+21	8,640615E+21	1,104052E+22	1,104071E+22	8,640944E+21	5,375167E+21	2,424788E+21	5,806327E+20	3,073767E+19	3,073105E+19	5,805235E+20	2,424500E+21
-1855	5,374718E+21	8,640648E+21	1,104098E+22	1,104114E+22	8,641079E+21	5,375132E+21	2,424703E+21	5,805890E+20	3,073264E+19	3,072810E+19	5,805722E+20	2,424774E+21
-1854	5,375319E+21	8,641240E+21	1,104124E+22	1,104104E+22	8,640829E+21	5,374876E+21	2,424472E+21	5,804219E+20	3,070310E+19	3,071434E+19	5,805487E+20	2,424665E+21
-1853	5,375028E+21	8,640881E+21	1,104109E+22	1,104134E+22	8,641275E+21	5,375261E+21	2,424723E+21	5,805030E+20	3,069353E+19	3,068256E+19	5,803587E+20	2,424459E+21
-1852	5,375125E+21	8,641551E+21	1,104202E+22	1,104188E+22	8,641321E+21	5,375014E+21	2,424431E+21	5,803443E+20	3,067448E+19	3,067729E+19	5,804240E+20	2,424694E+21
-1851	5,375434E+21	8,641756E+21	1,104215E+22	1,104190E+22	8,641376E+21	5,375115E+21	2,424446E+21	5,802745E+20	3,064916E+19	3,065495E+19	5,803063E+20	2,424412E+21
-1850	5,374956E+21	8,641288E+21	1,104224E+22	1,104253E+22	8,641890E+21	5,375417E+21	2,424640E+21	5,803682E+20	3,065397E+19	3,063979E+19	5,802198E+20	2,424402E+21
-1849	5,375314E+21	8,641959E+21	1,104270E+22	1,104262E+22	8,641718E+21	5,375067E+21	2,424293E+21	5,801880E+20	3,063596E+19	3,064882E+19	5,803479E+20	2,424610E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1848	5,375310E+21	8,641617E+21	1,104212E+22	1,104219E+22	8,641758E+21	5,375362E+21	2,424532E+21	5,802715E+20	3,063825E+19	3,063579E+19	5,802244E+20	2,424353E+21
-1847	5,374982E+21	8,641415E+21	1,104228E+22	1,104242E+22	8,641845E+21	5,375423E+21	2,424621E+21	5,803595E+20	3,065911E+19	3,065331E+19	5,802929E+20	2,424543E+21
-1846	5,375448E+21	8,641910E+21	1,104240E+22	1,104208E+22	8,641319E+21	5,374977E+21	2,424363E+21	5,802645E+20	3,065670E+19	3,067098E+19	5,804121E+20	2,424578E+21
-1845	5,375125E+21	8,641224E+21	1,104157E+22	1,104170E+22	8,641397E+21	5,375242E+21	2,424668E+21	5,804641E+20	3,068812E+19	3,067936E+19	5,803541E+20	2,424408E+21
-1844	5,374924E+21	8,641225E+21	1,104170E+22	1,104166E+22	8,641247E+21	5,375033E+21	2,424536E+21	5,804713E+20	3,070817E+19	3,071436E+19	5,805420E+20	2,424756E+21
-1843	5,375288E+21	8,641249E+21	1,104126E+22	1,104098E+22	8,640794E+21	5,374886E+21	2,424513E+21	5,804773E+20	3,071976E+19	3,073142E+19	5,806073E+20	2,424680E+21
-1842	5,374856E+21	8,640467E+21	1,104059E+22	1,104088E+22	8,640972E+21	5,375183E+21	2,424850E+21	5,807006E+20	3,075476E+19	3,074647E+19	5,805761E+20	2,424612E+21
-1841	5,375011E+21	8,640915E+21	1,104081E+22	1,104066E+22	8,640606E+21	5,374800E+21	2,424592E+21	5,806274E+20	3,076259E+19	3,077368E+19	5,807699E+20	2,424895E+21
-1840	5,375083E+21	8,640600E+21	1,104015E+22	1,103999E+22	8,640362E+21	5,374914E+21	2,424774E+21	5,807223E+20	3,077771E+19	3,077855E+19	5,807110E+20	2,424639E+21
-1839	5,374594E+21	8,640070E+21	1,104003E+22	1,104026E+22	8,640613E+21	5,375098E+21	2,424943E+21	5,808457E+20	3,079653E+19	3,078760E+19	5,807242E+20	2,424729E+21
-1838	5,374973E+21	8,640624E+21	1,104029E+22	1,104010E+22	8,640236E+21	5,374662E+21	2,424606E+21	5,806883E+20	3,078456E+19	3,079533E+19	5,808445E+20	2,424890E+21
-1837	5,374875E+21	8,640161E+21	1,103968E+22	1,103984E+22	8,640403E+21	5,374975E+21	2,424837E+21	5,807625E+20	3,077964E+19	3,077569E+19	5,806840E+20	2,424638E+21
-1836	5,374697E+21	8,640303E+21	1,104024E+22	1,104035E+22	8,640591E+21	5,374946E+21	2,424745E+21	5,807083E+20	3,077004E+19	3,076663E+19	5,807025E+20	2,424856E+21
-1835	5,375253E+21	8,640943E+21	1,104062E+22	1,104034E+22	8,640404E+21	5,374759E+21	2,424553E+21	5,805522E+20	3,074086E+19	3,075197E+19	5,806756E+20	2,424743E+21
-1834	5,374935E+21	8,640569E+21	1,104061E+22	1,104084E+22	8,640926E+21	5,375152E+21	2,424811E+21	5,806414E+20	3,073327E+19	3,071970E+19	5,804715E+20	2,424484E+21
-1833	5,374955E+21	8,641171E+21	1,104146E+22	1,104136E+22	8,641027E+21	5,374938E+21	2,424530E+21	5,804904E+20	3,071628E+19	3,071802E+19	5,805598E+20	2,424743E+21
-1832	5,375203E+21	8,641189E+21	1,104135E+22	1,104120E+22	8,640991E+21	5,375008E+21	2,424534E+21	5,804260E+20	3,069436E+19	3,069919E+19	5,804564E+20	2,424512E+21
-1831	5,374831E+21	8,640757E+21	1,104130E+22	1,104167E+22	8,641476E+21	5,375354E+21	2,424751E+21	5,805262E+20	3,070173E+19	3,068828E+19	5,803826E+20	2,424492E+21
-1830	5,375178E+21	8,641472E+21	1,104179E+22	1,104169E+22	8,641213E+21	5,374963E+21	2,424422E+21	5,803622E+20	3,068597E+19	3,069843E+19	5,805123E+20	2,424712E+21
-1829	5,375225E+21	8,641214E+21	1,104130E+22	1,104126E+22	8,641136E+21	5,375142E+21	2,424608E+21	5,804356E+20	3,068847E+19	3,068670E+19	5,803956E+20	2,424454E+21
-1828	5,374866E+21	8,640980E+21	1,104147E+22	1,104156E+22	8,641256E+21	5,375179E+21	2,424682E+21	5,805247E+20	3,070969E+19	3,070483E+19	5,804640E+20	2,424621E+21
-1827	5,375253E+21	8,641373E+21	1,104152E+22	1,104123E+22	8,640817E+21	5,374806E+21	2,424446E+21	5,804366E+20	3,070968E+19	3,072541E+19	5,806063E+20	2,424713E+21
-1826	5,374968E+21	8,640662E+21	1,104071E+22	1,104090E+22	8,640938E+21	5,375104E+21	2,424759E+21	5,806343E+20	3,074106E+19	3,073316E+19	5,805365E+20	2,424523E+21
-1825	5,374789E+21	8,640716E+21	1,104081E+22	1,104081E+22	8,640784E+21	5,374934E+21	2,424660E+21	5,806492E+20	3,076092E+19	3,076812E+19	5,807284E+20	2,424875E+21
-1824	5,375135E+21	8,640684E+21	1,104027E+22	1,104002E+22	8,640242E+21	5,374747E+21	2,424641E+21	5,806698E+20	3,077577E+19	3,078616E+19	5,807867E+20	2,424792E+21
-1823	5,374746E+21	8,639970E+21	1,103961E+22	1,103987E+22	8,640447E+21	5,375093E+21	2,424999E+21	5,809016E+20	3,081237E+19	3,080296E+19	5,807557E+20	2,424676E+21
-1822	5,374800E+21	8,640387E+21	1,103992E+22	1,103974E+22	8,640061E+21	5,374668E+21	2,424741E+21	5,808353E+20	3,082119E+19	3,082987E+19	5,809522E+20	2,424984E+21
-1821	5,374900E+21	8,640042E+21	1,103923E+22	1,103909E+22	8,639787E+21	5,374691E+21	2,424845E+21	5,808953E+20	3,083130E+19	3,083334E+19	5,809003E+20	2,424765E+21
-1820	5,374449E+21	8,639514E+21	1,103907E+22	1,103936E+22	8,640091E+21	5,374896E+21	2,424995E+21	5,809931E+20	3,084334E+19	3,083601E+19	5,808949E+20	2,424849E+21
-1819	5,374852E+21	8,640131E+21	1,103940E+22	1,103923E+22	8,639755E+21	5,374531E+21	2,424686E+21	5,808298E+20	3,082792E+19	3,083998E+19	5,810042E+20	2,425027E+21
-1818	5,374822E+21	8,639797E+21	1,103900E+22	1,103913E+22	8,639966E+21	5,374851E+21	2,424922E+21	5,808991E+20	3,081976E+19	3,081422E+19	5,808035E+20	2,424695E+21
-1817	5,374614E+21	8,640045E+21	1,103970E+22	1,103974E+22	8,640209E+21	5,374850E+21	2,424849E+21	5,808522E+20	3,081023E+19	3,080462E+19	5,808213E+20	2,424888E+21
-1816	5,375064E+21	8,640523E+21	1,103999E+22	1,103973E+22	8,640002E+21	5,374622E+21	2,424641E+21	5,807044E+20	3,078425E+19	3,079250E+19	5,808002E+20	2,424786E+21
-1815	5,374759E+21	8,640091E+21	1,103984E+22	1,104018E+22	8,640623E+21	5,375094E+21	2,424906E+21	5,807912E+20	3,077824E+19	3,076419E+19	5,806170E+20	2,424538E+21
-1814	5,374744E+21	8,640653E+21	1,104066E+22	1,104065E+22	8,640674E+21	5,374875E+21	2,424640E+21	5,806429E+20	3,076131E+19	3,076347E+19	5,807150E+20	2,424851E+21
-1813	5,375096E+21	8,640716E+21	1,104051E+22	1,104038E+22	8,640496E+21	5,374841E+21	2,424596E+21	5,805599E+20	3,073700E+19	3,074471E+19	5,806187E+20	2,424643E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1812	5,374782E+21	8,640357E+21	1,104044E+22	1,104080E+22	8,640957E+21	5,375172E+21	2,424816E+21	5,806633E+20	3,074379E+19	3,073229E+19	5,805336E+20	2,424586E+21
-1811	5,375067E+21	8,641080E+21	1,104102E+22	1,104084E+22	8,640691E+21	5,374814E+21	2,424517E+21	5,805193E+20	3,073200E+19	3,074517E+19	5,806733E+20	2,424814E+21
-1810	5,375091E+21	8,640798E+21	1,104062E+22	1,104053E+22	8,640637E+21	5,374962E+21	2,424695E+21	5,806033E+20	3,073840E+19	3,073544E+19	5,805550E+20	2,424528E+21
-1809	5,374693E+21	8,640513E+21	1,104070E+22	1,104081E+22	8,640809E+21	5,375029E+21	2,424776E+21	5,806998E+20	3,076214E+19	3,075784E+19	5,806466E+20	2,424724E+21
-1808	5,375041E+21	8,640745E+21	1,104052E+22	1,104032E+22	8,640306E+21	5,374653E+21	2,424547E+21	5,806217E+20	3,076582E+19	3,078114E+19	5,807965E+20	2,424855E+21
-1807	5,374862E+21	8,640106E+21	1,103964E+22	1,103989E+22	8,640445E+21	5,375016E+21	2,424891E+21	5,808267E+20	3,079895E+19	3,079169E+19	5,807302E+20	2,424634E+21
-1806	5,374647E+21	8,640203E+21	1,103984E+22	1,103981E+22	8,640235E+21	5,374824E+21	2,424818E+21	5,808572E+20	3,081986E+19	3,082532E+19	5,809117E+20	2,424978E+21
-1805	5,375007E+21	8,640208E+21	1,103937E+22	1,103905E+22	8,639616E+21	5,374538E+21	2,424747E+21	5,808625E+20	3,083328E+19	3,084348E+19	5,809734E+20	2,424887E+21
-1804	5,374580E+21	8,639461E+21	1,103870E+22	1,103896E+22	8,639878E+21	5,374876E+21	2,425086E+21	5,810814E+20	3,086608E+19	3,085702E+19	5,809353E+20	2,424754E+21
-1803	5,374560E+21	8,639781E+21	1,103898E+22	1,103887E+22	8,639585E+21	5,374527E+21	2,424836E+21	5,810071E+20	3,087305E+19	3,088234E+19	5,811365E+20	2,425108E+21
-1802	5,374731E+21	8,639493E+21	1,103839E+22	1,103829E+22	8,639334E+21	5,374558E+21	2,424931E+21	5,810496E+20	3,087829E+19	3,088078E+19	5,810624E+20	2,424878E+21
-1801	5,374348E+21	8,639076E+21	1,103826E+22	1,103856E+22	8,639643E+21	5,374776E+21	2,425090E+21	5,811413E+20	3,088701E+19	3,087981E+19	5,810454E+20	2,424947E+21
-1800	5,374728E+21	8,639669E+21	1,103857E+22	1,103840E+22	8,639278E+21	5,374399E+21	2,424786E+21	5,809859E+20	3,087261E+19	3,088260E+19	5,811406E+20	2,425115E+21
-1799	5,374750E+21	8,639455E+21	1,103827E+22	1,103835E+22	8,639547E+21	5,374759E+21	2,425027E+21	5,810571E+20	3,086571E+19	3,085863E+19	5,809417E+20	2,424738E+21
-1798	5,374433E+21	8,639642E+21	1,103906E+22	1,103908E+22	8,639803E+21	5,374735E+21	2,424958E+21	5,810174E+20	3,085742E+19	3,084940E+19	5,809637E+20	2,424957E+21
-1797	5,374907E+21	8,640054E+21	1,103926E+22	1,103905E+22	8,639587E+21	5,374446E+21	2,424685E+21	5,808400E+20	3,082787E+19	3,083799E+19	5,809576E+20	2,424894E+21
-1796	5,374647E+21	8,639635E+21	1,103902E+22	1,103941E+22	8,640196E+21	5,374935E+21	2,424951E+21	5,809127E+20	3,081770E+19	3,080637E+19	5,807679E+20	2,424646E+21
-1795	5,374624E+21	8,640196E+21	1,103984E+22	1,103985E+22	8,640252E+21	5,374774E+21	2,424723E+21	5,807732E+20	3,080096E+19	3,080531E+19	5,808623E+20	2,424966E+21
-1794	5,375020E+21	8,640365E+21	1,103984E+22	1,103965E+22	8,640046E+21	5,374709E+21	2,424682E+21	5,806984E+20	3,077760E+19	3,078494E+19	5,807483E+20	2,424710E+21
-1793	5,374682E+21	8,640043E+21	1,103982E+22	1,104008E+22	8,640498E+21	5,375032E+21	2,424914E+21	5,808180E+20	3,078827E+19	3,077617E+19	5,806759E+20	2,424640E+21
-1792	5,374858E+21	8,640567E+21	1,104022E+22	1,104007E+22	8,640210E+21	5,374651E+21	2,424615E+21	5,806942E+20	3,078272E+19	3,079416E+19	5,808331E+20	2,424901E+21
-1791	5,374927E+21	8,640268E+21	1,103969E+22	1,103968E+22	8,640217E+21	5,374857E+21	2,424798E+21	5,807837E+20	3,079351E+19	3,079056E+19	5,807390E+20	2,424622E+21
-1790	5,374495E+21	8,639950E+21	1,103977E+22	1,103991E+22	8,640333E+21	5,374921E+21	2,424904E+21	5,808914E+20	3,081871E+19	3,081410E+19	5,808358E+20	2,424861E+21
-1789	5,374935E+21	8,640205E+21	1,103954E+22	1,103934E+22	8,639734E+21	5,374465E+21	2,424640E+21	5,808022E+20	3,082152E+19	3,083836E+19	5,809917E+20	2,424995E+21
-1788	5,374778E+21	8,639638E+21	1,103867E+22	1,103889E+22	8,639859E+21	5,374830E+21	2,424997E+21	5,810093E+20	3,085318E+19	3,084715E+19	5,809155E+20	2,424735E+21
-1787	5,374475E+21	8,639699E+21	1,103895E+22	1,103887E+22	8,639682E+21	5,374681E+21	2,424951E+21	5,810533E+20	3,087635E+19	3,088146E+19	5,810987E+20	2,425074E+21
-1786	5,374802E+21	8,639671E+21	1,103856E+22	1,103822E+22	8,639094E+21	5,374365E+21	2,424856E+21	5,810545E+20	3,088963E+19	3,089846E+19	5,811535E+20	2,424972E+21
-1785	5,374372E+21	8,638897E+21	1,103779E+22	1,103811E+22	8,639407E+21	5,374732E+21	2,425185E+21	5,812604E+20	3,091995E+19	3,091132E+19	5,811224E+20	2,424866E+21
-1784	5,374346E+21	8,639113E+21	1,103791E+22	1,103788E+22	8,639053E+21	5,374377E+21	2,424936E+21	5,811836E+20	3,092631E+19	3,093461E+19	5,813134E+20	2,425245E+21
-1783	5,374646E+21	8,638975E+21	1,103736E+22	1,103729E+22	8,638840E+21	5,374451E+21	2,425040E+21	5,812209E+20	3,092955E+19	3,093159E+19	5,812276E+20	2,424974E+21
-1782	5,374240E+21	8,638674E+21	1,103747E+22	1,103770E+22	8,639141E+21	5,374648E+21	2,425208E+21	5,813138E+20	3,093607E+19	3,092629E+19	5,811923E+20	2,425037E+21
-1781	5,374643E+21	8,639301E+21	1,103788E+22	1,103764E+22	8,638762E+21	5,374200E+21	2,424853E+21	5,811370E+20	3,091847E+19	3,092832E+19	5,812876E+20	2,425189E+21
-1780	5,374627E+21	8,639076E+21	1,103761E+22	1,103769E+22	8,639122E+21	5,374578E+21	2,425077E+21	5,811880E+20	3,090639E+19	3,090079E+19	5,810845E+20	2,424804E+21
-1779	5,374250E+21	8,639181E+21	1,103836E+22	1,103844E+22	8,639472E+21	5,374643E+21	2,425026E+21	5,811425E+20	3,089667E+19	3,089046E+19	5,811078E+20	2,425051E+21
-1778	5,374763E+21	8,639624E+21	1,103862E+22	1,103844E+22	8,639249E+21	5,374354E+21	2,424752E+21	5,809568E+20	3,086418E+19	3,087570E+19	5,810859E+20	2,424981E+21
-1777	5,374563E+21	8,639279E+21	1,103834E+22	1,103872E+22	8,639831E+21	5,374848E+21	2,425034E+21	5,810366E+20	3,085452E+19	3,084410E+19	5,808973E+20	2,424723E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1776	5,374493E+21	8,639742E+21	1,103904E+22	1,103904E+22	8,639807E+21	5,374666E+21	2,424829E+21	5,809242E+20	3,084334E+19	3,084591E+19	5,809910E+20	2,425038E+21
-1775	5,374919E+21	8,639980E+21	1,103907E+22	1,103885E+22	8,639609E+21	5,374608E+21	2,424799E+21	5,808707E+20	3,082675E+19	3,083203E+19	5,808978E+20	2,424764E+21
-1774	5,374486E+21	8,639575E+21	1,103908E+22	1,103932E+22	8,640027E+21	5,374880E+21	2,425026E+21	5,810047E+20	3,084205E+19	3,082776E+19	5,808456E+20	2,424742E+21
-1773	5,374700E+21	8,640011E+21	1,103933E+22	1,103922E+22	8,639695E+21	5,374448E+21	2,424679E+21	5,808643E+20	3,083647E+19	3,084966E+19	5,810264E+20	2,425044E+21
-1772	5,374823E+21	8,639757E+21	1,103874E+22	1,103873E+22	8,639673E+21	5,374667E+21	2,424868E+21	5,809446E+20	3,084506E+19	3,084515E+19	5,809315E+20	2,424761E+21
-1771	5,374376E+21	8,639436E+21	1,103882E+22	1,103895E+22	8,639817E+21	5,374794E+21	2,425014E+21	5,810647E+20	3,087130E+19	3,086842E+19	5,810194E+20	2,424981E+21
-1770	5,374818E+21	8,639776E+21	1,103875E+22	1,103848E+22	8,639217E+21	5,374320E+21	2,424754E+21	5,809850E+20	3,087523E+19	3,089106E+19	5,811595E+20	2,425073E+21
-1769	5,374625E+21	8,639198E+21	1,103788E+22	1,103802E+22	8,639339E+21	5,374681E+21	2,425118E+21	5,812005E+20	3,090874E+19	3,090201E+19	5,810925E+20	2,424800E+21
-1768	5,374201E+21	8,639008E+21	1,103794E+22	1,103796E+22	8,639171E+21	5,374531E+21	2,425075E+21	5,812550E+20	3,093473E+19	3,093780E+19	5,812833E+20	2,425172E+21
-1767	5,374599E+21	8,639026E+21	1,103748E+22	1,103724E+22	8,638625E+21	5,374258E+21	2,424976E+21	5,812492E+20	3,094815E+19	3,095688E+19	5,813509E+20	2,425086E+21
-1766	5,374181E+21	8,638290E+21	1,103679E+22	1,103711E+22	8,638857E+21	5,374594E+21	2,425306E+21	5,814476E+20	3,097514E+19	3,096589E+19	5,813088E+20	2,425017E+21
-1765	5,374274E+21	8,638591E+21	1,103693E+22	1,103688E+22	8,638455E+21	5,374175E+21	2,425011E+21	5,813469E+20	3,097696E+19	3,098632E+19	5,814894E+20	2,425380E+21
-1764	5,374615E+21	8,638622E+21	1,103655E+22	1,103637E+22	8,638265E+21	5,374251E+21	2,425111E+21	5,813705E+20	3,097495E+19	3,097828E+19	5,813833E+20	2,425060E+21
-1763	5,374123E+21	8,638313E+21	1,103682E+22	1,103697E+22	8,638674E+21	5,374502E+21	2,425294E+21	5,814657E+20	3,098120E+19	3,097107E+19	5,813392E+20	2,425105E+21
-1762	5,374482E+21	8,638917E+21	1,103732E+22	1,103707E+22	8,638403E+21	5,374062E+21	2,424921E+21	5,812794E+20	3,096136E+19	3,097053E+19	5,814242E+20	2,425249E+21
-1761	5,374463E+21	8,638647E+21	1,103696E+22	1,103708E+22	8,638812E+21	5,374486E+21	2,425145E+21	5,813165E+20	3,094623E+19	3,094167E+19	5,812255E+20	2,424883E+21
-1760	5,374063E+21	8,638605E+21	1,103751E+22	1,103768E+22	8,639104E+21	5,374572E+21	2,425123E+21	5,812816E+20	3,093764E+19	3,093069E+19	5,812411E+20	2,425141E+21
-1759	5,374672E+21	8,639181E+21	1,103777E+22	1,103762E+22	8,638869E+21	5,374298E+21	2,424866E+21	5,811072E+20	3,090742E+19	3,091784E+19	5,812190E+20	2,425039E+21
-1758	5,374432E+21	8,638900E+21	1,103764E+22	1,103793E+22	8,639362E+21	5,374739E+21	2,425156E+21	5,812023E+20	3,090058E+19	3,088702E+19	5,810330E+20	2,424801E+21
-1757	5,374385E+21	8,639315E+21	1,103831E+22	1,103825E+22	8,639283E+21	5,374468E+21	2,424900E+21	5,810833E+20	3,089101E+19	3,089345E+19	5,811464E+20	2,425121E+21
-1756	5,374791E+21	8,639537E+21	1,103831E+22	1,103807E+22	8,639117E+21	5,374408E+21	2,424854E+21	5,810199E+20	3,087358E+19	3,088078E+19	5,810692E+20	2,424867E+21
-1755	5,374325E+21	8,639071E+21	1,103828E+22	1,103855E+22	8,639597E+21	5,374744E+21	2,425095E+21	5,811541E+20	3,089006E+19	3,087862E+19	5,810265E+20	2,424874E+21
-1754	5,374580E+21	8,639544E+21	1,103856E+22	1,103843E+22	8,639245E+21	5,374312E+21	2,424759E+21	5,810166E+20	3,088389E+19	3,089877E+19	5,811944E+20	2,425161E+21
-1753	5,374737E+21	8,639332E+21	1,103793E+22	1,103789E+22	8,639211E+21	5,374549E+21	2,424968E+21	5,811062E+20	3,089425E+19	3,089570E+19	5,811016E+20	2,424857E+21
-1752	5,374217E+21	8,638892E+21	1,103788E+22	1,103799E+22	8,639291E+21	5,374678E+21	2,425152E+21	5,812573E+20	3,092616E+19	3,092166E+19	5,811879E+20	2,425056E+21
-1751	5,374646E+21	8,639240E+21	1,103780E+22	1,103752E+22	8,638709E+21	5,374210E+21	2,424905E+21	5,811997E+20	3,093649E+19	3,094957E+19	5,813445E+20	2,425136E+21
-1750	5,374369E+21	8,638574E+21	1,103693E+22	1,103709E+22	8,638799E+21	5,374530E+21	2,425256E+21	5,814175E+20	3,097125E+19	3,096230E+19	5,812942E+20	2,424931E+21
-1749	5,374024E+21	8,638312E+21	1,103682E+22	1,103689E+22	8,638566E+21	5,374323E+21	2,425158E+21	5,814451E+20	3,099403E+19	3,099827E+19	5,814931E+20	2,425328E+21
-1748	5,374497E+21	8,638457E+21	1,103640E+22	1,103615E+22	8,637985E+21	5,374049E+21	2,425056E+21	5,814179E+20	3,100120E+19	3,101262E+19	5,815477E+20	2,425235E+21
-1747	5,374099E+21	8,637821E+21	1,103588E+22	1,103613E+22	8,638280E+21	5,374420E+21	2,425392E+21	5,816098E+20	3,102508E+19	3,101715E+19	5,814818E+20	2,425131E+21
-1746	5,374191E+21	8,638258E+21	1,103628E+22	1,103609E+22	8,637940E+21	5,374007E+21	2,425097E+21	5,815053E+20	3,102415E+19	3,103233E+19	5,816340E+20	2,425444E+21
-1745	5,374490E+21	8,638287E+21	1,103598E+22	1,103574E+22	8,637854E+21	5,374113E+21	2,425191E+21	5,815202E+20	3,101997E+19	3,102293E+19	5,815250E+20	2,425101E+21
-1744	5,373894E+21	8,637763E+21	1,103606E+22	1,103630E+22	8,638329E+21	5,374412E+21	2,425391E+21	5,816203E+20	3,102655E+19	3,101462E+19	5,814790E+20	2,425163E+21
-1743	5,374304E+21	8,638392E+21	1,103649E+22	1,103637E+22	8,638118E+21	5,374034E+21	2,425034E+21	5,814331E+20	3,100677E+19	3,101488E+19	5,815680E+20	2,425314E+21
-1742	5,374282E+21	8,638137E+21	1,103618E+22	1,103634E+22	8,638424E+21	5,374419E+21	2,425261E+21	5,814676E+20	3,098934E+19	3,098360E+19	5,813687E+20	2,424999E+21
-1741	5,373988E+21	8,638111E+21	1,103664E+22	1,103683E+22	8,638618E+21	5,374427E+21	2,425201E+21	5,814212E+20	3,097968E+19	3,097348E+19	5,813862E+20	2,425240E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1740	5,374620E+21	8,638836E+21	1,103704E+22	1,103678E+22	8,638323E+21	5,374124E+21	2,424941E+21	5,812441E+20	3,094817E+19	3,096027E+19	5,813663E+20	2,425125E+21
-1739	5,374320E+21	8,638531E+21	1,103700E+22	1,103720E+22	8,638865E+21	5,374563E+21	2,425224E+21	5,813465E+20	3,094483E+19	3,093205E+19	5,811874E+20	2,424886E+21
-1738	5,374249E+21	8,638933E+21	1,103771E+22	1,103761E+22	8,638857E+21	5,374294E+21	2,424953E+21	5,812263E+20	3,093594E+19	3,093944E+19	5,813036E+20	2,425219E+21
-1737	5,374680E+21	8,639118E+21	1,103759E+22	1,103735E+22	8,638711E+21	5,374268E+21	2,424907E+21	5,811576E+20	3,091883E+19	3,092795E+19	5,812337E+20	2,424974E+21
-1736	5,374176E+21	8,638501E+21	1,103735E+22	1,103768E+22	8,639149E+21	5,374646E+21	2,425200E+21	5,813143E+20	3,093851E+19	3,092710E+19	5,811865E+20	2,424976E+21
-1735	5,374482E+21	8,639069E+21	1,103764E+22	1,103753E+22	8,638812E+21	5,374243E+21	2,424901E+21	5,812034E+20	3,093752E+19	3,095056E+19	5,813554E+20	2,425222E+21
-1734	5,374559E+21	8,638850E+21	1,103711E+22	1,103699E+22	8,638677E+21	5,374432E+21	2,425123E+21	5,813135E+20	3,095215E+19	3,095035E+19	5,812760E+20	2,424948E+21
-1733	5,374040E+21	8,638282E+21	1,103691E+22	1,103703E+22	8,638701E+21	5,374488E+21	2,425265E+21	5,814592E+20	3,098575E+19	3,098089E+19	5,813825E+20	2,425149E+21
-1732	5,374448E+21	8,638637E+21	1,103679E+22	1,103652E+22	8,638106E+21	5,374012E+21	2,425002E+21	5,813881E+20	3,099424E+19	3,100910E+19	5,815525E+20	2,425262E+21
-1731	5,374177E+21	8,637951E+21	1,103592E+22	1,103608E+22	8,638221E+21	5,374356E+21	2,425346E+21	5,815957E+20	3,102740E+19	3,102095E+19	5,815003E+20	2,425079E+21
-1730	5,373908E+21	8,637805E+21	1,103591E+22	1,103594E+22	8,637993E+21	5,374139E+21	2,425241E+21	5,816134E+20	3,104621E+19	3,105155E+19	5,816752E+20	2,425459E+21
-1729	5,374432E+21	8,638043E+21	1,103556E+22	1,103525E+22	8,637459E+21	5,373887E+21	2,425140E+21	5,815800E+20	3,105109E+19	3,106307E+19	5,817141E+20	2,425329E+21
-1728	5,373961E+21	8,637339E+21	1,103504E+22	1,103527E+22	8,637779E+21	5,374294E+21	2,425511E+21	5,817878E+20	3,107631E+19	3,106619E+19	5,816357E+20	2,425197E+21
-1727	5,374034E+21	8,637796E+21	1,103550E+22	1,103535E+22	8,637544E+21	5,373919E+21	2,425234E+21	5,816967E+20	3,107856E+19	3,108316E+19	5,817907E+20	2,425485E+21
-1726	5,374245E+21	8,637742E+21	1,103522E+22	1,103505E+22	8,637472E+21	5,374020E+21	2,425313E+21	5,817003E+20	3,107191E+19	3,107279E+19	5,816919E+20	2,425212E+21
-1725	5,373736E+21	8,637150E+21	1,103510E+22	1,103545E+22	8,637882E+21	5,374282E+21	2,425469E+21	5,817711E+20	3,107384E+19	3,106301E+19	5,816465E+20	2,425278E+21
-1724	5,374205E+21	8,637907E+21	1,103558E+22	1,103546E+22	8,637604E+21	5,373896E+21	2,425112E+21	5,815655E+20	3,104786E+19	3,105856E+19	5,817216E+20	2,425425E+21
-1723	5,374208E+21	8,637754E+21	1,103543E+22	1,103552E+22	8,637924E+21	5,374274E+21	2,425335E+21	5,815977E+20	3,102902E+19	3,102468E+19	5,815091E+20	2,425091E+21
-1722	5,373928E+21	8,637844E+21	1,103606E+22	1,103612E+22	8,638126E+21	5,374252E+21	2,425264E+21	5,815524E+20	3,101898E+19	3,101252E+19	5,815123E+20	2,425299E+21
-1721	5,374514E+21	8,638522E+21	1,103649E+22	1,103619E+22	8,637920E+21	5,373964E+21	2,424992E+21	5,813723E+20	3,098798E+19	3,100058E+19	5,815005E+20	2,425182E+21
-1720	5,374140E+21	8,638044E+21	1,103627E+22	1,103655E+22	8,638499E+21	5,374445E+21	2,425293E+21	5,814852E+20	3,098786E+19	3,097503E+19	5,813324E+20	2,424970E+21
-1719	5,374113E+21	8,638453E+21	1,103690E+22	1,103689E+22	8,638523E+21	5,374234E+21	2,425062E+21	5,813842E+20	3,098298E+19	3,098579E+19	5,814545E+20	2,425296E+21
-1718	5,374519E+21	8,638632E+21	1,103681E+22	1,103659E+22	8,638299E+21	5,374190E+21	2,425032E+21	5,813261E+20	3,096768E+19	3,097549E+19	5,813945E+20	2,425096E+21
-1717	5,374090E+21	8,637986E+21	1,103640E+22	1,103673E+22	8,638620E+21	5,374505E+21	2,425309E+21	5,814888E+20	3,099022E+19	3,097906E+19	5,813564E+20	2,425062E+21
-1716	5,374355E+21	8,638618E+21	1,103676E+22	1,103656E+22	8,638203E+21	5,374080E+21	2,425025E+21	5,813885E+20	3,099143E+19	3,100495E+19	5,815357E+20	2,425305E+21
-1715	5,374362E+21	8,638313E+21	1,103625E+22	1,103610E+22	8,638097E+21	5,374242E+21	2,425233E+21	5,815079E+20	3,101041E+19	3,100917E+19	5,814761E+20	2,425056E+21
-1714	5,373851E+21	8,637720E+21	1,103599E+22	1,103613E+22	8,638148E+21	5,374288E+21	2,425349E+21	5,816439E+20	3,104285E+19	3,103940E+19	5,815856E+20	2,425282E+21
-1713	5,374296E+21	8,638067E+21	1,103581E+22	1,103556E+22	8,637561E+21	5,373835E+21	2,425076E+21	5,815592E+20	3,104926E+19	3,106604E+19	5,817514E+20	2,425402E+21
-1712	5,374034E+21	8,637340E+21	1,103485E+22	1,103504E+22	8,637644E+21	5,374201E+21	2,425451E+21	5,817750E+20	3,108213E+19	3,107590E+19	5,816832E+20	2,425203E+21
-1711	5,373823E+21	8,637333E+21	1,103495E+22	1,103499E+22	8,637481E+21	5,374022E+21	2,425380E+21	5,818122E+20	3,110339E+19	3,110570E+19	5,818426E+20	2,425527E+21
-1710	5,374261E+21	8,637590E+21	1,103479E+22	1,103443E+22	8,636953E+21	5,373758E+21	2,425281E+21	5,817814E+20	3,110813E+19	3,111667E+19	5,818842E+20	2,425420E+21
-1709	5,373789E+21	8,636775E+21	1,103414E+22	1,103443E+22	8,637285E+21	5,374130E+21	2,425610E+21	5,819699E+20	3,113092E+19	3,112043E+19	5,818135E+20	2,425280E+21
-1708	5,373851E+21	8,637266E+21	1,103463E+22	1,103451E+22	8,637065E+21	5,373787E+21	2,425329E+21	5,818564E+20	3,112767E+19	3,113411E+19	5,819682E+20	2,425594E+21
-1707	5,374076E+21	8,637198E+21	1,103436E+22	1,103423E+22	8,637015E+21	5,373898E+21	2,425395E+21	5,818414E+20	3,111618E+19	3,111991E+19	5,818585E+20	2,425334E+21
-1706	5,373652E+21	8,636741E+21	1,103432E+22	1,103466E+22	8,637416E+21	5,374139E+21	2,425535E+21	5,818964E+20	3,111284E+19	3,110363E+19	5,817880E+20	2,425383E+21
-1705	5,374153E+21	8,637592E+21	1,103489E+22	1,103471E+22	8,637149E+21	5,373748E+21	2,425167E+21	5,816851E+20	3,108493E+19	3,109630E+19	5,818450E+20	2,425488E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1704	5,374086E+21	8,637371E+21	1,103474E+22	1,103478E+22	8,637461E+21	5,374137E+21	2,425421E+21	5,817376E+20	3,106935E+19	3,106313E+19	5,816308E+20	2,425142E+21
-1703	5,373797E+21	8,637467E+21	1,103542E+22	1,103552E+22	8,637769E+21	5,374140E+21	2,425367E+21	5,817148E+20	3,106522E+19	3,105552E+19	5,816457E+20	2,425341E+21
-1702	5,374309E+21	8,638058E+21	1,103582E+22	1,103558E+22	8,637574E+21	5,373864E+21	2,425092E+21	5,815343E+20	3,103526E+19	3,104597E+19	5,816551E+20	2,425298E+21
-1701	5,374013E+21	8,637497E+21	1,103537E+22	1,103573E+22	8,638062E+21	5,374316E+21	2,425371E+21	5,816351E+20	3,103518E+19	3,102351E+19	5,814982E+20	2,425083E+21
-1700	5,374019E+21	8,638007E+21	1,103602E+22	1,103599E+22	8,637999E+21	5,374107E+21	2,425165E+21	5,815371E+20	3,102946E+19	3,103428E+19	5,816176E+20	2,425394E+21
-1699	5,374399E+21	8,638202E+21	1,103600E+22	1,103574E+22	8,637772E+21	5,374043E+21	2,425137E+21	5,814923E+20	3,101755E+19	3,102612E+19	5,815611E+20	2,425181E+21
-1698	5,373964E+21	8,637601E+21	1,103564E+22	1,103590E+22	8,638078E+21	5,374327E+21	2,425406E+21	5,816630E+20	3,104209E+19	3,103125E+19	5,815277E+20	2,425140E+21
-1697	5,374166E+21	8,638119E+21	1,103594E+22	1,103576E+22	8,637710E+21	5,373902E+21	2,425104E+21	5,815619E+20	3,104486E+19	3,105893E+19	5,817158E+20	2,425391E+21
-1696	5,374130E+21	8,637657E+21	1,103523E+22	1,103518E+22	8,637598E+21	5,374099E+21	2,425337E+21	5,816915E+20	3,106637E+19	3,106552E+19	5,816704E+20	2,425185E+21
-1695	5,373695E+21	8,637116E+21	1,103494E+22	1,103517E+22	8,637651E+21	5,374169E+21	2,425480E+21	5,818409E+20	3,110106E+19	3,109673E+19	5,817763E+20	2,425400E+21
-1694	5,374136E+21	8,637504E+21	1,103483E+22	1,103461E+22	8,637024E+21	5,373706E+21	2,425213E+21	5,817576E+20	3,110702E+19	3,112243E+19	5,819435E+20	2,425557E+21
-1693	5,373953E+21	8,636814E+21	1,103381E+22	1,103398E+22	8,637031E+21	5,374022E+21	2,425560E+21	5,819647E+20	3,113938E+19	3,113348E+19	5,818717E+20	2,425311E+21
-1692	5,373704E+21	8,636896E+21	1,103408E+22	1,103401E+22	8,636854E+21	5,373847E+21	2,425503E+21	5,820028E+20	3,115969E+19	3,116187E+19	5,820267E+20	2,425614E+21
-1691	5,374069E+21	8,637076E+21	1,103399E+22	1,103364E+22	8,636448E+21	5,373587E+21	2,425381E+21	5,819658E+20	3,116397E+19	3,117308E+19	5,820727E+20	2,425522E+21
-1690	5,373628E+21	8,636287E+21	1,103330E+22	1,103363E+22	8,636819E+21	5,373966E+21	2,425681E+21	5,821283E+20	3,118060E+19	3,117159E+19	5,819909E+20	2,425395E+21
-1689	5,373701E+21	8,636757E+21	1,103376E+22	1,103369E+22	8,636624E+21	5,373654E+21	2,425393E+21	5,819933E+20	3,117142E+19	3,117893E+19	5,821191E+20	2,425690E+21
-1688	5,373940E+21	8,636687E+21	1,103347E+22	1,103338E+22	8,636552E+21	5,373782E+21	2,425487E+21	5,819809E+20	3,115733E+19	3,116097E+19	5,819933E+20	2,425419E+21
-1687	5,373572E+21	8,636368E+21	1,103356E+22	1,103389E+22	8,636986E+21	5,374034E+21	2,425650E+21	5,820538E+20	3,115649E+19	3,114356E+19	5,819071E+20	2,425417E+21
-1686	5,373983E+21	8,637219E+21	1,103429E+22	1,103408E+22	8,636748E+21	5,373637E+21	2,425279E+21	5,818451E+20	3,112925E+19	3,113730E+19	5,819757E+20	2,425561E+21
-1685	5,373938E+21	8,636911E+21	1,103399E+22	1,103409E+22	8,637041E+21	5,373977E+21	2,425485E+21	5,818835E+20	3,111434E+19	3,110785E+19	5,817789E+20	2,425218E+21
-1684	5,373652E+21	8,637041E+21	1,103468E+22	1,103478E+22	8,637336E+21	5,374013E+21	2,425443E+21	5,818536E+20	3,110887E+19	3,110104E+19	5,818037E+20	2,425444E+21
-1683	5,374170E+21	8,637594E+21	1,103506E+22	1,103487E+22	8,637167E+21	5,373741E+21	2,425166E+21	5,816719E+20	3,107871E+19	3,109194E+19	5,818148E+20	2,425415E+21
-1682	5,373948E+21	8,637137E+21	1,103461E+22	1,103496E+22	8,637611E+21	5,374172E+21	2,425441E+21	5,817706E+20	3,107762E+19	3,106826E+19	5,816531E+20	2,425189E+21
-1681	5,373931E+21	8,637644E+21	1,103529E+22	1,103521E+22	8,637537E+21	5,373969E+21	2,425244E+21	5,816829E+20	3,107371E+19	3,107938E+19	5,817624E+20	2,425455E+21
-1680	5,374220E+21	8,637721E+21	1,103519E+22	1,103491E+22	8,637275E+21	5,373906E+21	2,425252E+21	5,816674E+20	3,106830E+19	3,107596E+19	5,817245E+20	2,425259E+21
-1679	5,373779E+21	8,637070E+21	1,103476E+22	1,103510E+22	8,637629E+21	5,374196E+21	2,425536E+21	5,818640E+20	3,110002E+19	3,108690E+19	5,817082E+20	2,425225E+21
-1678	5,373930E+21	8,637493E+21	1,103498E+22	1,103489E+22	8,637242E+21	5,373776E+21	2,425227E+21	5,817611E+20	3,110380E+19	3,111688E+19	5,819177E+20	2,425552E+21
-1677	5,373991E+21	8,636999E+21	1,103407E+22	1,103408E+22	8,636993E+21	5,373915E+21	2,425433E+21	5,818796E+20	3,112521E+19	3,112561E+19	5,818765E+20	2,425338E+21
-1676	5,373612E+21	8,636627E+21	1,103391E+22	1,103405E+22	8,636976E+21	5,373981E+21	2,425595E+21	5,820287E+20	3,115809E+19	3,115514E+19	5,819722E+20	2,425529E+21
-1675	5,374021E+21	8,637042E+21	1,103394E+22	1,103363E+22	8,636406E+21	5,373515E+21	2,425327E+21	5,819525E+20	3,116528E+19	3,118046E+19	5,821303E+20	2,425652E+21
-1674	5,373822E+21	8,636412E+21	1,103302E+22	1,103311E+22	8,636467E+21	5,373823E+21	2,425654E+21	5,821485E+20	3,119499E+19	3,118958E+19	5,820556E+20	2,425398E+21
-1673	5,373514E+21	8,636399E+21	1,103329E+22	1,103323E+22	8,636395E+21	5,373680E+21	2,425579E+21	5,821723E+20	3,121230E+19	3,121445E+19	5,821973E+20	2,425686E+21
-1672	5,373830E+21	8,636448E+21	1,103303E+22	1,103280E+22	8,636026E+21	5,373485E+21	2,425487E+21	5,821331E+20	3,121444E+19	3,122368E+19	5,822425E+20	2,425624E+21
-1671	5,373467E+21	8,635727E+21	1,103236E+22	1,103281E+22	8,636421E+21	5,373888E+21	2,425806E+21	5,822986E+20	3,122949E+19	3,121853E+19	5,821433E+20	2,425480E+21
-1670	5,373535E+21	8,636241E+21	1,103291E+22	1,103289E+22	8,636199E+21	5,373565E+21	2,425515E+21	5,821580E+20	3,121776E+19	3,122286E+19	5,822642E+20	2,425797E+21
-1669	5,373838E+21	8,636219E+21	1,103258E+22	1,103247E+22	8,636025E+21	5,373626E+21	2,425580E+21	5,821372E+20	3,120297E+19	3,120576E+19	5,821379E+20	2,425496E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1668	5,373460E+21	8,636015E+21	1,103287E+22	1,103307E+22	8,636433E+21	5,373861E+21	2,425742E+21	5,822086E+20	3,120230E+19	3,118899E+19	5,820577E+20	2,425493E+21
-1667	5,373817E+21	8,636781E+21	1,103363E+22	1,103343E+22	8,636325E+21	5,373472E+21	2,425346E+21	5,819948E+20	3,117547E+19	3,118465E+19	5,821366E+20	2,425663E+21
-1666	5,373834E+21	8,636536E+21	1,103329E+22	1,103339E+22	8,636643E+21	5,373820E+21	2,425522E+21	5,820083E+20	3,115631E+19	3,115284E+19	5,819407E+20	2,425345E+21
-1665	5,373572E+21	8,636649E+21	1,103395E+22	1,103405E+22	8,636945E+21	5,373882E+21	2,425483E+21	5,819701E+20	3,114786E+19	3,114212E+19	5,819406E+20	2,425533E+21
-1664	5,374065E+21	8,637164E+21	1,103428E+22	1,103410E+22	8,636761E+21	5,373644E+21	2,425259E+21	5,818101E+20	3,111982E+19	3,113322E+19	5,819480E+20	2,425491E+21
-1663	5,373850E+21	8,636764E+21	1,103389E+22	1,103423E+22	8,637201E+21	5,374077E+21	2,425570E+21	5,819423E+20	3,112542E+19	3,111283E+19	5,817884E+20	2,425227E+21
-1662	5,373711E+21	8,637154E+21	1,103457E+22	1,103451E+22	8,637129E+21	5,373868E+21	2,425379E+21	5,818688E+20	3,112543E+19	3,112863E+19	5,819224E+20	2,425538E+21
-1661	5,374015E+21	8,637115E+21	1,103422E+22	1,103402E+22	8,636779E+21	5,373747E+21	2,425351E+21	5,818505E+20	3,112367E+19	3,113156E+19	5,819141E+20	2,425373E+21
-1660	5,373611E+21	8,636514E+21	1,103377E+22	1,103407E+22	8,637040E+21	5,374037E+21	2,425642E+21	5,820440E+20	3,115573E+19	3,114471E+19	5,819089E+20	2,425367E+21
-1659	5,373781E+21	8,636917E+21	1,103399E+22	1,103391E+22	8,636673E+21	5,373605E+21	2,425328E+21	5,819428E+20	3,115994E+19	3,117498E+19	5,821166E+20	2,425703E+21
-1658	5,373940E+21	8,636586E+21	1,103314E+22	1,103306E+22	8,636377E+21	5,373702E+21	2,425509E+21	5,820520E+20	3,117950E+19	3,118199E+19	5,820678E+20	2,425467E+21
-1657	5,373520E+21	8,636215E+21	1,103307E+22	1,103311E+22	8,636399E+21	5,373784E+21	2,425675E+21	5,822047E+20	3,121196E+19	3,120864E+19	5,821402E+20	2,425598E+21
-1656	5,373822E+21	8,636515E+21	1,103308E+22	1,103278E+22	8,635898E+21	5,373362E+21	2,425450E+21	5,821492E+20	3,122274E+19	3,123626E+19	5,823097E+20	2,425732E+21
-1655	5,373608E+21	8,635831E+21	1,103214E+22	1,103234E+22	8,636046E+21	5,373706E+21	2,425790E+21	5,823556E+20	3,125455E+19	3,124660E+19	5,822390E+20	2,425481E+21
-1654	5,373254E+21	8,635730E+21	1,103233E+22	1,103241E+22	8,635994E+21	5,373603E+21	2,425713E+21	5,823642E+20	3,126834E+19	3,126902E+19	5,823831E+20	2,425818E+21
-1653	5,373667E+21	8,635797E+21	1,103192E+22	1,103175E+22	8,635488E+21	5,373351E+21	2,425593E+21	5,823060E+20	3,126698E+19	3,127672E+19	5,824207E+20	2,425746E+21
-1652	5,373372E+21	8,635272E+21	1,103142E+22	1,103175E+22	8,635804E+21	5,373732E+21	2,425913E+21	5,824608E+20	3,127812E+19	3,126760E+19	5,823059E+20	2,425581E+21
-1651	5,373421E+21	8,635817E+21	1,103213E+22	1,103203E+22	8,635661E+21	5,373391E+21	2,425603E+21	5,823180E+20	3,126555E+19	3,127025E+19	5,824155E+20	2,425878E+21
-1650	5,373750E+21	8,635895E+21	1,103193E+22	1,103174E+22	8,635531E+21	5,373419E+21	2,425624E+21	5,822750E+20	3,124651E+19	3,125076E+19	5,822913E+20	2,425587E+21
-1649	5,373342E+21	8,635642E+21	1,103225E+22	1,103246E+22	8,636051E+21	5,373689E+21	2,425766E+21	5,823291E+20	3,124219E+19	3,122996E+19	5,821956E+20	2,425570E+21
-1648	5,373666E+21	8,636316E+21	1,103291E+22	1,103278E+22	8,635996E+21	5,373387E+21	2,425420E+21	5,821211E+20	3,121459E+19	3,122516E+19	5,822760E+20	2,425760E+21
-1647	5,373736E+21	8,636123E+21	1,103260E+22	1,103277E+22	8,636328E+21	5,373758E+21	2,425624E+21	5,821478E+20	3,119703E+19	3,119241E+19	5,820697E+20	2,425419E+21
-1646	5,373447E+21	8,636232E+21	1,103325E+22	1,103338E+22	8,636611E+21	5,373833E+21	2,425604E+21	5,821197E+20	3,118997E+19	3,118279E+19	5,820713E+20	2,425606E+21
-1645	5,373935E+21	8,636705E+21	1,103344E+22	1,103324E+22	8,636280E+21	5,373528E+21	2,425371E+21	5,819747E+20	3,116715E+19	3,117921E+19	5,820932E+20	2,425550E+21
-1644	5,373693E+21	8,636341E+21	1,103313E+22	1,103334E+22	8,636645E+21	5,373924E+21	2,425687E+21	5,821221E+20	3,117813E+19	3,116491E+19	5,819610E+20	2,425314E+21
-1643	5,373505E+21	8,636568E+21	1,103369E+22	1,103368E+22	8,636635E+21	5,373698E+21	2,425475E+21	5,820540E+20	3,118151E+19	3,118534E+19	5,821130E+20	2,425658E+21
-1642	5,373883E+21	8,636590E+21	1,103326E+22	1,103306E+22	8,636226E+21	5,373550E+21	2,425415E+21	5,820176E+20	3,117769E+19	3,118829E+19	5,821170E+20	2,425533E+21
-1641	5,373523E+21	8,636023E+21	1,103285E+22	1,103309E+22	8,636457E+21	5,373825E+21	2,425695E+21	5,822023E+20	3,120724E+19	3,119808E+19	5,820869E+20	2,425484E+21
-1640	5,373665E+21	8,636412E+21	1,103305E+22	1,103292E+22	8,636109E+21	5,373449E+21	2,425440E+21	5,821244E+20	3,121403E+19	3,122873E+19	5,822904E+20	2,425797E+21
-1639	5,373808E+21	8,636129E+21	1,103233E+22	1,103222E+22	8,635873E+21	5,373564E+21	2,425646E+21	5,822567E+20	3,123834E+19	3,123774E+19	5,822390E+20	2,425525E+21
-1638	5,373287E+21	8,635653E+21	1,103224E+22	1,103234E+22	8,635968E+21	5,373676E+21	2,425816E+21	5,824129E+20	3,127182E+19	3,126622E+19	5,823258E+20	2,425682E+21
-1637	5,373580E+21	8,635826E+21	1,103201E+22	1,103181E+22	8,635411E+21	5,373236E+21	2,425572E+21	5,823508E+20	3,128344E+19	3,129643E+19	5,825101E+20	2,425844E+21
-1636	5,373413E+21	8,635217E+21	1,103111E+22	1,103128E+22	8,635480E+21	5,373585E+21	2,425916E+21	5,825428E+20	3,131161E+19	3,130535E+19	5,824420E+20	2,425623E+21
-1635	5,373094E+21	8,635093E+21	1,103130E+22	1,103142E+22	8,635449E+21	5,373457E+21	2,425822E+21	5,825402E+20	3,132174E+19	3,132365E+19	5,825677E+20	2,425950E+21
-1634	5,373613E+21	8,635380E+21	1,103100E+22	1,103076E+22	8,634895E+21	5,373157E+21	2,425663E+21	5,824575E+20	3,131427E+19	3,132630E+19	5,825925E+20	2,425869E+21
-1633	5,373311E+21	8,634934E+21	1,103071E+22	1,103089E+22	8,635236E+21	5,373516E+21	2,425958E+21	5,825994E+20	3,132149E+19	3,131097E+19	5,824451E+20	2,425646E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1632	5,373282E+21	8,635406E+21	1,103146E+22	1,103133E+22	8,635215E+21	5,373240E+21	2,425685E+21	5,824684E+20	3,131034E+19	3,131419E+19	5,825598E+20	2,425953E+21
-1631	5,373611E+21	8,635468E+21	1,103130E+22	1,103118E+22	8,635209E+21	5,373309E+21	2,425707E+21	5,824267E+20	3,129170E+19	3,129408E+19	5,824330E+20	2,425662E+21
-1630	5,373179E+21	8,635164E+21	1,103156E+22	1,103186E+22	8,635774E+21	5,373639E+21	2,425861E+21	5,824699E+20	3,128451E+19	3,127152E+19	5,823367E+20	2,425670E+21
-1629	5,373556E+21	8,635826E+21	1,103205E+22	1,103197E+22	8,635596E+21	5,373307E+21	2,425518E+21	5,822638E+20	3,125711E+19	3,126740E+19	5,824124E+20	2,425839E+21
-1628	5,373648E+21	8,635763E+21	1,103187E+22	1,103189E+22	8,635825E+21	5,373658E+21	2,425738E+21	5,822988E+20	3,124103E+19	3,123587E+19	5,822086E+20	2,425482E+21
-1627	5,373291E+21	8,635776E+21	1,103253E+22	1,103263E+22	8,636149E+21	5,373706E+21	2,425714E+21	5,822849E+20	3,123778E+19	3,122979E+19	5,822174E+20	2,425659E+21
-1626	5,373789E+21	8,636291E+21	1,103271E+22	1,103246E+22	8,635779E+21	5,373337E+21	2,425434E+21	5,821292E+20	3,121528E+19	3,122894E+19	5,822643E+20	2,425646E+21
-1625	5,373536E+21	8,635851E+21	1,103233E+22	1,103253E+22	8,636153E+21	5,373725E+21	2,425725E+21	5,822675E+20	3,122573E+19	3,121397E+19	5,821289E+20	2,425416E+21
-1624	5,373345E+21	8,636001E+21	1,103278E+22	1,103280E+22	8,636164E+21	5,373568E+21	2,425564E+21	5,822129E+20	3,123070E+19	3,123641E+19	5,822909E+20	2,425791E+21
-1623	5,373787E+21	8,636085E+21	1,103240E+22	1,103222E+22	8,635748E+21	5,373414E+21	2,425523E+21	5,821936E+20	3,123028E+19	3,123990E+19	5,822884E+20	2,425642E+21
-1622	5,373403E+21	8,635539E+21	1,103199E+22	1,103223E+22	8,635986E+21	5,373716E+21	2,425820E+21	5,823863E+20	3,126125E+19	3,125137E+19	5,822612E+20	2,425581E+21
-1621	5,373513E+21	8,635878E+21	1,103209E+22	1,103192E+22	8,635532E+21	5,373302E+21	2,425574E+21	5,823294E+20	3,127385E+19	3,128691E+19	5,824763E+20	2,425878E+21
-1620	5,373613E+21	8,635599E+21	1,103144E+22	1,103123E+22	8,635278E+21	5,373409E+21	2,425782E+21	5,824692E+20	3,130182E+19	3,130115E+19	5,824493E+20	2,425635E+21
-1619	5,373055E+21	8,634960E+21	1,103121E+22	1,103140E+22	8,635464E+21	5,373533E+21	2,425936E+21	5,826193E+20	3,133475E+19	3,133010E+19	5,825401E+20	2,425814E+21
-1618	5,373437E+21	8,635234E+21	1,103093E+22	1,103075E+22	8,634825E+21	5,373058E+21	2,425656E+21	5,825282E+20	3,134026E+19	3,135606E+19	5,827207E+20	2,426008E+21
-1617	5,373327E+21	8,634704E+21	1,103012E+22	1,103023E+22	8,634857E+21	5,373375E+21	2,425980E+21	5,826998E+20	3,136137E+19	3,135646E+19	5,826121E+20	2,425736E+21
-1616	5,372994E+21	8,634614E+21	1,103039E+22	1,103046E+22	8,634880E+21	5,373299E+21	2,425927E+21	5,827059E+20	3,137035E+19	3,137138E+19	5,827220E+20	2,426031E+21
-1615	5,373492E+21	8,634971E+21	1,103032E+22	1,103003E+22	8,634415E+21	5,373006E+21	2,425771E+21	5,826303E+20	3,136348E+19	3,137224E+19	5,827343E+20	2,425921E+21
-1614	5,373132E+21	8,634489E+21	1,103006E+22	1,103029E+22	8,634880E+21	5,373406E+21	2,426053E+21	5,827585E+20	3,136835E+19	3,135611E+19	5,825931E+20	2,425716E+21
-1613	5,373099E+21	8,634874E+21	1,103062E+22	1,103057E+22	8,634833E+21	5,373147E+21	2,425780E+21	5,826250E+20	3,135744E+19	3,136016E+19	5,827113E+20	2,426037E+21
-1612	5,373470E+21	8,635022E+21	1,103055E+22	1,103040E+22	8,634794E+21	5,373236E+21	2,425809E+21	5,825732E+20	3,133650E+19	3,133956E+19	5,825869E+20	2,425765E+21
-1611	5,373061E+21	8,634677E+21	1,103077E+22	1,103112E+22	8,635376E+21	5,373546E+21	2,425959E+21	5,826157E+20	3,132830E+19	3,131538E+19	5,824769E+20	2,425747E+21
-1610	5,373486E+21	8,635470E+21	1,103128E+22	1,103115E+22	8,635116E+21	5,373164E+21	2,425591E+21	5,823998E+20	3,129875E+19	3,131026E+19	5,825542E+20	2,425915E+21
-1609	5,373542E+21	8,635413E+21	1,103122E+22	1,103114E+22	8,635306E+21	5,373462E+21	2,425791E+21	5,824344E+20	3,128278E+19	3,127761E+19	5,823442E+20	2,425538E+21
-1608	5,373117E+21	8,635282E+21	1,103178E+22	1,103191E+22	8,635701E+21	5,373561E+21	2,425802E+21	5,824411E+20	3,128439E+19	3,127685E+19	5,823774E+20	2,425745E+21
-1607	5,373614E+21	8,635763E+21	1,103194E+22	1,103177E+22	8,635383E+21	5,373213E+21	2,425524E+21	5,822929E+20	3,126490E+19	3,127811E+19	5,824339E+20	2,425760E+21
-1606	5,373398E+21	8,635326E+21	1,103148E+22	1,103174E+22	8,635735E+21	5,373618E+21	2,425815E+21	5,824249E+20	3,127511E+19	3,126438E+19	5,823045E+20	2,425546E+21
-1605	5,373248E+21	8,635475E+21	1,103177E+22	1,103179E+22	8,635605E+21	5,373429E+21	2,425674E+21	5,823888E+20	3,128348E+19	3,128910E+19	5,824633E+20	2,425897E+21
-1604	5,373696E+21	8,635676E+21	1,103154E+22	1,103121E+22	8,635144E+21	5,373267E+21	2,425647E+21	5,823841E+20	3,128729E+19	3,129619E+19	5,824695E+20	2,425733E+21
-1603	5,373233E+21	8,635008E+21	1,103113E+22	1,103136E+22	8,635449E+21	5,373560E+21	2,425948E+21	5,825898E+20	3,132148E+19	3,131110E+19	5,824491E+20	2,425659E+21
-1602	5,373339E+21	8,635351E+21	1,103117E+22	1,103100E+22	8,634984E+21	5,373121E+21	2,425671E+21	5,825220E+20	3,133337E+19	3,134786E+19	5,826838E+20	2,425997E+21
-1601	5,373428E+21	8,635014E+21	1,103048E+22	1,103029E+22	8,634724E+21	5,373220E+21	2,425859E+21	5,826447E+20	3,135756E+19	3,135874E+19	5,826461E+20	2,425758E+21
-1600	5,372880E+21	8,634315E+21	1,103016E+22	1,103042E+22	8,634941E+21	5,373412E+21	2,426055E+21	5,827983E+20	3,138882E+19	3,138571E+19	5,827325E+20	2,425946E+21
-1599	5,373307E+21	8,634684E+21	1,103000E+22	1,102985E+22	8,634305E+21	5,372923E+21	2,425776E+21	5,827105E+20	3,139358E+19	3,140775E+19	5,828903E+20	2,426112E+21
-1598	5,373207E+21	8,634231E+21	1,102926E+22	1,102935E+22	8,634352E+21	5,373246E+21	2,426095E+21	5,828743E+20	3,141215E+19	3,140583E+19	5,827718E+20	2,425817E+21
-1597	5,372847E+21	8,634132E+21	1,102951E+22	1,102953E+22	8,634311E+21	5,373139E+21	2,426047E+21	5,828935E+20	3,142414E+19	3,142198E+19	5,828819E+20	2,426100E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1596	5,373322E+21	8,634516E+21	1,102955E+22	1,102921E+22	8,633912E+21	5,372859E+21	2,425878E+21	5,828129E+20	3,141795E+19	3,142530E+19	5,829082E+20	2,426013E+21
-1595	5,372939E+21	8,633918E+21	1,102923E+22	1,102957E+22	8,634495E+21	5,373292E+21	2,426144E+21	5,829234E+20	3,141945E+19	3,140741E+19	5,827633E+20	2,425826E+21
-1594	5,373007E+21	8,634431E+21	1,102977E+22	1,102974E+22	8,634375E+21	5,373012E+21	2,425845E+21	5,827613E+20	3,140198E+19	3,140710E+19	5,828746E+20	2,426160E+21
-1593	5,373401E+21	8,634640E+21	1,102981E+22	1,102960E+22	8,634298E+21	5,373063E+21	2,425856E+21	5,826924E+20	3,137474E+19	3,137916E+19	5,827157E+20	2,425838E+21
-1592	5,372964E+21	8,634288E+21	1,103004E+22	1,103038E+22	8,634940E+21	5,373435E+21	2,426049E+21	5,827500E+20	3,136789E+19	3,135502E+19	5,826047E+20	2,425797E+21
-1591	5,373330E+21	8,635075E+21	1,103070E+22	1,103056E+22	8,634719E+21	5,373037E+21	2,425685E+21	5,825494E+20	3,134168E+19	3,135108E+19	5,826820E+20	2,425958E+21
-1590	5,373355E+21	8,634953E+21	1,103055E+22	1,103055E+22	8,634960E+21	5,373352E+21	2,425874E+21	5,825800E+20	3,132675E+19	3,132157E+19	5,824952E+20	2,425621E+21
-1589	5,372944E+21	8,634738E+21	1,103087E+22	1,103106E+22	8,635248E+21	5,373447E+21	2,425899E+21	5,826008E+20	3,133251E+19	3,132518E+19	5,825431E+20	2,425856E+21
-1588	5,373493E+21	8,635292E+21	1,103107E+22	1,103086E+22	8,634878E+21	5,373100E+21	2,425630E+21	5,824577E+20	3,131537E+19	3,132967E+19	5,826120E+20	2,425892E+21
-1587	5,373300E+21	8,634829E+21	1,103058E+22	1,103086E+22	8,635241E+21	5,373482E+21	2,425919E+21	5,825954E+20	3,132741E+19	3,131752E+19	5,824776E+20	2,425657E+21
-1586	5,373191E+21	8,635096E+21	1,103089E+22	1,103082E+22	8,635012E+21	5,373246E+21	2,425766E+21	5,825618E+20	3,133662E+19	3,134344E+19	5,826426E+20	2,425996E+21
-1585	5,373566E+21	8,635256E+21	1,103077E+22	1,103035E+22	8,634542E+21	5,373040E+21	2,425728E+21	5,825636E+20	3,134230E+19	3,135094E+19	5,826467E+20	2,425812E+21
-1584	5,373026E+21	8,634422E+21	1,103022E+22	1,103051E+22	8,634955E+21	5,373413E+21	2,426068E+21	5,827872E+20	3,138038E+19	3,137055E+19	5,826496E+20	2,425762E+21
-1583	5,373103E+21	8,634699E+21	1,103023E+22	1,103017E+22	8,634524E+21	5,373002E+21	2,425799E+21	5,827234E+20	3,139329E+19	3,140650E+19	5,828804E+20	2,426119E+21
-1582	5,373252E+21	8,634389E+21	1,102946E+22	1,102935E+22	8,634229E+21	5,373110E+21	2,425986E+21	5,828329E+20	3,141436E+19	3,141604E+19	5,828415E+20	2,425888E+21
-1581	5,372743E+21	8,633711E+21	1,102900E+22	1,102927E+22	8,634306E+21	5,373264E+21	2,426194E+21	5,829978E+20	3,144653E+19	3,144149E+19	5,829122E+20	2,426046E+21
-1580	5,373169E+21	8,634209E+21	1,102906E+22	1,102879E+22	8,633679E+21	5,372768E+21	2,425909E+21	5,829120E+20	3,145257E+19	3,146444E+19	5,830697E+20	2,426201E+21
-1579	5,373029E+21	8,633704E+21	1,102840E+22	1,102849E+22	8,633814E+21	5,373065E+21	2,426199E+21	5,830656E+20	3,146966E+19	3,146210E+19	5,829482E+20	2,425901E+21
-1578	5,372701E+21	8,633650E+21	1,102864E+22	1,102868E+22	8,633793E+21	5,372946E+21	2,426115E+21	5,830600E+20	3,147697E+19	3,147568E+19	5,830653E+20	2,426216E+21
-1577	5,373180E+21	8,634043E+21	1,102877E+22	1,102845E+22	8,633446E+21	5,372676E+21	2,425924E+21	5,829497E+20	3,146289E+19	3,147236E+19	5,830694E+20	2,426125E+21
-1576	5,372822E+21	8,633435E+21	1,102841E+22	1,102882E+22	8,634095E+21	5,373194E+21	2,426229E+21	5,830565E+20	3,146064E+19	3,145071E+19	5,829139E+20	2,425929E+21
-1575	5,372898E+21	8,634026E+21	1,102910E+22	1,102909E+22	8,634003E+21	5,372926E+21	2,425942E+21	5,828975E+20	3,144154E+19	3,144557E+19	5,829965E+20	2,426223E+21
-1574	5,373292E+21	8,634290E+21	1,102917E+22	1,102895E+22	8,633924E+21	5,372976E+21	2,425952E+21	5,828253E+20	3,141332E+19	3,141747E+19	5,828384E+20	2,425883E+21
-1573	5,372806E+21	8,633857E+21	1,102927E+22	1,102959E+22	8,634468E+21	5,373307E+21	2,426157E+21	5,829086E+20	3,141290E+19	3,139774E+19	5,827417E+20	2,425852E+21
-1572	5,373144E+21	8,634614E+21	1,102994E+22	1,102982E+22	8,634294E+21	5,372916E+21	2,425780E+21	5,827144E+20	3,139103E+19	3,139978E+19	5,828454E+20	2,426058E+21
-1571	5,373185E+21	8,634404E+21	1,102969E+22	1,102978E+22	8,634550E+21	5,373225E+21	2,425957E+21	5,827385E+20	3,137655E+19	3,137205E+19	5,826669E+20	2,425752E+21
-1570	5,372889E+21	8,634314E+21	1,102998E+22	1,103014E+22	8,634706E+21	5,373271E+21	2,425967E+21	5,827498E+20	3,138027E+19	3,137539E+19	5,827179E+20	2,425995E+21
-1569	5,373441E+21	8,634930E+21	1,103029E+22	1,102999E+22	8,634299E+21	5,372886E+21	2,425692E+21	5,826045E+20	3,136131E+19	3,137651E+19	5,827645E+20	2,425982E+21
-1568	5,373191E+21	8,634427E+21	1,102980E+22	1,103004E+22	8,634735E+21	5,373336E+21	2,426026E+21	5,827644E+20	3,137779E+19	3,136833E+19	5,826418E+20	2,425725E+21
-1567	5,372993E+21	8,634626E+21	1,103020E+22	1,103013E+22	8,634569E+21	5,373111E+21	2,425885E+21	5,827507E+20	3,139151E+19	3,139637E+19	5,828090E+20	2,426058E+21
-1566	5,373335E+21	8,634677E+21	1,102991E+22	1,102960E+22	8,634151E+21	5,372936E+21	2,425845E+21	5,827503E+20	3,139885E+19	3,140767E+19	5,828374E+20	2,425909E+21
-1565	5,372802E+21	8,633749E+21	1,102909E+22	1,102948E+22	8,634434E+21	5,373308E+21	2,426210E+21	5,829905E+20	3,144029E+19	3,143008E+19	5,828510E+20	2,425893E+21
-1564	5,372924E+21	8,634073E+21	1,102913E+22	1,102908E+22	8,633947E+21	5,372877E+21	2,425939E+21	5,829301E+20	3,145479E+19	3,146731E+19	5,830828E+20	2,426255E+21
-1563	5,373102E+21	8,633771E+21	1,102836E+22	1,102829E+22	8,633636E+21	5,372948E+21	2,426113E+21	5,830347E+20	3,147449E+19	3,147573E+19	5,830349E+20	2,426014E+21
-1562	5,372663E+21	8,633263E+21	1,102801E+22	1,102816E+22	8,633605E+21	5,373030E+21	2,426286E+21	5,831856E+20	3,150392E+19	3,149936E+19	5,831052E+20	2,426163E+21
-1561	5,373031E+21	8,633766E+21	1,102824E+22	1,102787E+22	8,633031E+21	5,372501E+21	2,425975E+21	5,830862E+20	3,150682E+19	3,151886E+19	5,832484E+20	2,426300E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1560	5,372860E+21	8,633183E+21	1,102755E+22	1,102770E+22	8,633357E+21	5,372904E+21	2,426277E+21	5,832312E+20	3,152178E+19	3,151618E+19	5,831343E+20	2,426018E+21
-1559	5,372537E+21	8,633146E+21	1,102788E+22	1,102798E+22	8,633408E+21	5,372835E+21	2,426201E+21	5,832165E+20	3,152542E+19	3,152366E+19	5,832252E+20	2,426326E+21
-1558	5,373071E+21	8,633584E+21	1,102798E+22	1,102773E+22	8,633086E+21	5,372597E+21	2,426016E+21	5,830883E+20	3,150555E+19	3,151594E+19	5,832125E+20	2,426209E+21
-1557	5,372710E+21	8,632999E+21	1,102755E+22	1,102795E+22	8,633627E+21	5,373097E+21	2,426348E+21	5,832108E+20	3,150413E+19	3,149200E+19	5,830426E+20	2,425983E+21
-1556	5,372743E+21	8,633630E+21	1,102837E+22	1,102830E+22	8,633555E+21	5,372828E+21	2,426061E+21	5,830618E+20	3,148798E+19	3,148921E+19	5,831274E+20	2,426260E+21
-1555	5,373086E+21	8,633801E+21	1,102844E+22	1,102828E+22	8,633526E+21	5,372851E+21	2,426051E+21	5,829863E+20	3,146034E+19	3,146328E+19	5,829835E+20	2,425954E+21
-1554	5,372670E+21	8,633414E+21	1,102846E+22	1,102878E+22	8,633995E+21	5,373137E+21	2,426217E+21	5,830532E+20	3,145872E+19	3,144501E+19	5,829076E+20	2,425970E+21
-1553	5,373023E+21	8,634176E+21	1,102918E+22	1,102904E+22	8,633809E+21	5,372728E+21	2,425827E+21	5,828449E+20	3,143322E+19	3,144441E+19	5,830014E+20	2,426183E+21
-1552	5,373106E+21	8,633973E+21	1,102889E+22	1,102901E+22	8,634115E+21	5,373091E+21	2,426029E+21	5,828750E+20	3,141983E+19	3,141781E+19	5,828269E+20	2,425870E+21
-1551	5,372800E+21	8,633942E+21	1,102930E+22	1,102943E+22	8,634279E+21	5,373142E+21	2,426058E+21	5,829028E+20	3,142573E+19	3,141996E+19	5,828589E+20	2,426071E+21
-1550	5,373328E+21	8,634559E+21	1,102961E+22	1,102928E+22	8,633881E+21	5,372771E+21	2,425799E+21	5,827688E+20	3,140998E+19	3,142464E+19	5,829175E+20	2,426039E+21
-1549	5,372991E+21	8,633906E+21	1,102892E+22	1,102917E+22	8,634221E+21	5,373201E+21	2,426164E+21	5,829653E+20	3,143532E+19	3,142366E+19	5,828205E+20	2,425802E+21
-1548	5,372740E+21	8,633997E+21	1,102922E+22	1,102923E+22	8,634112E+21	5,373006E+21	2,426023E+21	5,829630E+20	3,145439E+19	3,145816E+19	5,830118E+20	2,426171E+21
-1547	5,373109E+21	8,633977E+21	1,102879E+22	1,102861E+22	8,633650E+21	5,372813E+21	2,425972E+21	5,829554E+20	3,146162E+19	3,147094E+19	5,830507E+20	2,426067E+21
-1546	5,372707E+21	8,633175E+21	1,102791E+22	1,102826E+22	8,633745E+21	5,373103E+21	2,426310E+21	5,831807E+20	3,149964E+19	3,149147E+19	5,830614E+20	2,426052E+21
-1545	5,372835E+21	8,633582E+21	1,102812E+22	1,102797E+22	8,633236E+21	5,372618E+21	2,426019E+21	5,831087E+20	3,151004E+19	3,152323E+19	5,832655E+20	2,426371E+21
-1544	5,372983E+21	8,633299E+21	1,102746E+22	1,102732E+22	8,633021E+21	5,372736E+21	2,426206E+21	5,832177E+20	3,153026E+19	3,153227E+19	5,832201E+20	2,426108E+21
-1543	5,372479E+21	8,632788E+21	1,102729E+22	1,102740E+22	8,633104E+21	5,372842E+21	2,426376E+21	5,833677E+20	3,155866E+19	3,155255E+19	5,832763E+20	2,426248E+21
-1542	5,372851E+21	8,633257E+21	1,102745E+22	1,102716E+22	8,632654E+21	5,372389E+21	2,426066E+21	5,832513E+20	3,155830E+19	3,157101E+19	5,834220E+20	2,426392E+21
-1541	5,372675E+21	8,632623E+21	1,102661E+22	1,102682E+22	8,632917E+21	5,372819E+21	2,426400E+21	5,834019E+20	3,157230E+19	3,156642E+19	5,833022E+20	2,426125E+21
-1540	5,372389E+21	8,632635E+21	1,102700E+22	1,102714E+22	8,633003E+21	5,372771E+21	2,426328E+21	5,833868E+20	3,157531E+19	3,157189E+19	5,833769E+20	2,426408E+21
-1539	5,372930E+21	8,633091E+21	1,102712E+22	1,102692E+22	8,632674E+21	5,372511E+21	2,426134E+21	5,832516E+20	3,155275E+19	3,156178E+19	5,833541E+20	2,426284E+21
-1538	5,372619E+21	8,632625E+21	1,102675E+22	1,102705E+22	8,633072E+21	5,372923E+21	2,426433E+21	5,833644E+20	3,154978E+19	3,153714E+19	5,831915E+20	2,426062E+21
-1537	5,372589E+21	8,633201E+21	1,102769E+22	1,102756E+22	8,633033E+21	5,372603E+21	2,426116E+21	5,832047E+20	3,153177E+19	3,153328E+19	5,832735E+20	2,426342E+21
-1536	5,372922E+21	8,633309E+21	1,102768E+22	1,102758E+22	8,633128E+21	5,372704E+21	2,426109E+21	5,831246E+20	3,150429E+19	3,150972E+19	5,831500E+20	2,426077E+21
-1535	5,372549E+21	8,632989E+21	1,102779E+22	1,102811E+22	8,633601E+21	5,373004E+21	2,426278E+21	5,831869E+20	3,150131E+19	3,148838E+19	5,830576E+20	2,426093E+21
-1534	5,372968E+21	8,633797E+21	1,102846E+22	1,102832E+22	8,633424E+21	5,372626E+21	2,425905E+21	5,829761E+20	3,147425E+19	3,148692E+19	5,831412E+20	2,426268E+21
-1533	5,373017E+21	8,633591E+21	1,102810E+22	1,102816E+22	8,633635E+21	5,372976E+21	2,426140E+21	5,830357E+20	3,146654E+19	3,146283E+19	5,829687E+20	2,425935E+21
-1532	5,372651E+21	8,633528E+21	1,102855E+22	1,102864E+22	8,633837E+21	5,373032E+21	2,426181E+21	5,830878E+20	3,147944E+19	3,147101E+19	5,830108E+20	2,426113E+21
-1531	5,373090E+21	8,633980E+21	1,102875E+22	1,102852E+22	8,633475E+21	5,372657E+21	2,425922E+21	5,829627E+20	3,146732E+19	3,148046E+19	5,830952E+20	2,426128E+21
-1530	5,372814E+21	8,633332E+21	1,102792E+22	1,102817E+22	8,633674E+21	5,373034E+21	2,426260E+21	5,831507E+20	3,149311E+19	3,148332E+19	5,830288E+20	2,425948E+21
-1529	5,372574E+21	8,633386E+21	1,102821E+22	1,102821E+22	8,633502E+21	5,372804E+21	2,426112E+21	5,831378E+20	3,150901E+19	3,151539E+19	5,832091E+20	2,426316E+21
-1528	5,372985E+21	8,633402E+21	1,102775E+22	1,102757E+22	8,633072E+21	5,372647E+21	2,426075E+21	5,831334E+20	3,151675E+19	3,152879E+19	5,832518E+20	2,426211E+21
-1527	5,372602E+21	8,632726E+21	1,102705E+22	1,102728E+22	8,633140E+21	5,372910E+21	2,426408E+21	5,833629E+20	3,155452E+19	3,154582E+19	5,832366E+20	2,426156E+21
-1526	5,372717E+21	8,633142E+21	1,102731E+22	1,102708E+22	8,632680E+21	5,372443E+21	2,426123E+21	5,832937E+20	3,156584E+19	3,157821E+19	5,834396E+20	2,426442E+21
-1525	5,372781E+21	8,632750E+21	1,102655E+22	1,102640E+22	8,632471E+21	5,372564E+21	2,426329E+21	5,834229E+20	3,159061E+19	3,159057E+19	5,834087E+20	2,426202E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1524	5,372261E+21	8,632179E+21	1,102634E+22	1,102655E+22	8,632683E+21	5,372733E+21	2,426498E+21	5,835717E+20	3,162014E+19	3,161204E+19	5,834674E+20	2,426353E+21
-1523	5,372652E+21	8,632617E+21	1,102644E+22	1,102628E+22	8,632247E+21	5,372315E+21	2,426199E+21	5,834425E+20	3,161576E+19	3,162753E+19	5,836065E+20	2,426521E+21
-1522	5,372586E+21	8,632127E+21	1,102562E+22	1,102579E+22	8,632346E+21	5,372671E+21	2,426503E+21	5,835700E+20	3,162336E+19	3,161834E+19	5,834763E+20	2,426242E+21
-1521	5,372280E+21	8,632193E+21	1,102618E+22	1,102623E+22	8,632426E+21	5,372579E+21	2,426412E+21	5,835384E+20	3,162079E+19	3,161737E+19	5,835206E+20	2,426475E+21
-1520	5,372783E+21	8,632652E+21	1,102638E+22	1,102615E+22	8,632201E+21	5,372357E+21	2,426214E+21	5,833993E+20	3,159742E+19	3,160757E+19	5,835054E+20	2,426353E+21
-1519	5,372443E+21	8,632204E+21	1,102614E+22	1,102640E+22	8,632656E+21	5,372761E+21	2,426491E+21	5,835030E+20	3,159249E+19	3,157939E+19	5,833332E+20	2,426148E+21
-1518	5,372463E+21	8,632766E+21	1,102700E+22	1,102693E+22	8,632701E+21	5,372500E+21	2,426175E+21	5,833295E+20	3,157208E+19	3,157533E+19	5,834174E+20	2,426435E+21
-1517	5,372805E+21	8,632846E+21	1,102688E+22	1,102679E+22	8,632703E+21	5,372600E+21	2,426200E+21	5,832654E+20	3,154663E+19	3,155205E+19	5,832959E+20	2,426186E+21
-1516	5,372464E+21	8,632571E+21	1,102702E+22	1,102737E+22	8,633225E+21	5,372919E+21	2,426377E+21	5,833392E+20	3,154683E+19	3,153245E+19	5,831952E+20	2,426169E+21
-1515	5,372860E+21	8,633389E+21	1,102771E+22	1,102756E+22	8,633027E+21	5,372542E+21	2,426021E+21	5,831396E+20	3,152168E+19	3,153282E+19	5,832823E+20	2,426337E+21
-1514	5,372914E+21	8,633211E+21	1,102734E+22	1,102726E+22	8,633074E+21	5,372801E+21	2,426233E+21	5,832042E+20	3,151735E+19	3,151342E+19	5,831352E+20	2,426018E+21
-1513	5,372468E+21	8,633015E+21	1,102777E+22	1,102784E+22	8,633312E+21	5,372831E+21	2,426260E+21	5,832563E+20	3,153130E+19	3,152421E+19	5,831866E+20	2,426202E+21
-1512	5,372889E+21	8,633376E+21	1,102782E+22	1,102766E+22	8,633020E+21	5,372519E+21	2,426010E+21	5,831355E+20	3,152198E+19	3,153787E+19	5,832968E+20	2,426266E+21
-1511	5,372659E+21	8,632789E+21	1,102702E+22	1,102723E+22	8,633139E+21	5,372876E+21	2,426352E+21	5,833236E+20	3,154708E+19	3,153831E+19	5,832172E+20	2,426093E+21
-1510	5,372493E+21	8,632882E+21	1,102727E+22	1,102724E+22	8,632956E+21	5,372655E+21	2,426214E+21	5,833103E+20	3,156200E+19	3,156934E+19	5,833841E+20	2,426412E+21
-1509	5,372849E+21	8,632892E+21	1,102678E+22	1,102651E+22	8,632439E+21	5,372475E+21	2,426207E+21	5,833348E+20	3,157513E+19	3,158493E+19	5,834309E+20	2,426299E+21
-1508	5,372423E+21	8,632200E+21	1,102616E+22	1,102637E+22	8,632607E+21	5,372748E+21	2,426533E+21	5,835760E+20	3,161750E+19	3,160582E+19	5,834197E+20	2,426223E+21
-1507	5,372482E+21	8,632517E+21	1,102636E+22	1,102622E+22	8,632226E+21	5,372319E+21	2,426254E+21	5,835060E+20	3,162919E+19	3,163958E+19	5,836378E+20	2,426553E+21
-1506	5,372613E+21	8,632160E+21	1,102553E+22	1,102538E+22	8,631914E+21	5,372405E+21	2,426430E+21	5,836140E+20	3,165052E+19	3,165211E+19	5,836210E+20	2,426353E+21
-1505	5,372116E+21	8,631596E+21	1,102537E+22	1,102560E+22	8,632123E+21	5,372559E+21	2,426590E+21	5,837405E+20	3,167301E+19	3,166710E+19	5,836536E+20	2,426479E+21
-1504	5,372533E+21	8,632084E+21	1,102550E+22	1,102537E+22	8,631763E+21	5,372193E+21	2,426300E+21	5,836043E+20	3,166551E+19	3,167938E+19	5,837825E+20	2,426634E+21
-1503	5,372478E+21	8,631739E+21	1,102490E+22	1,102494E+22	8,631822E+21	5,372518E+21	2,426591E+21	5,837222E+20	3,166872E+19	3,166345E+19	5,836234E+20	2,426328E+21
-1502	5,372168E+21	8,631783E+21	1,102548E+22	1,102549E+22	8,631957E+21	5,372434E+21	2,426495E+21	5,836842E+20	3,166490E+19	3,166094E+19	5,836581E+20	2,426518E+21
-1501	5,372585E+21	8,632144E+21	1,102559E+22	1,102539E+22	8,631750E+21	5,372217E+21	2,426308E+21	5,835589E+20	3,164421E+19	3,165316E+19	5,836591E+20	2,426444E+21
-1500	5,372290E+21	8,631703E+21	1,102533E+22	1,102568E+22	8,632293E+21	5,372652E+21	2,426569E+21	5,836576E+20	3,164053E+19	3,162607E+19	5,834857E+20	2,426245E+21
-1499	5,372344E+21	8,632273E+21	1,102616E+22	1,102616E+22	8,632327E+21	5,372426E+21	2,426277E+21	5,834819E+20	3,161812E+19	3,162052E+19	5,835654E+20	2,426550E+21
-1498	5,372773E+21	8,632486E+21	1,102610E+22	1,102591E+22	8,632175E+21	5,372443E+21	2,426276E+21	5,834082E+20	3,159079E+19	3,159658E+19	5,834440E+20	2,426284E+21
-1497	5,372387E+21	8,632225E+21	1,102636E+22	1,102659E+22	8,632688E+21	5,372733E+21	2,426451E+21	5,834813E+20	3,159013E+19	3,157602E+19	5,833300E+20	2,426214E+21
-1496	5,372696E+21	8,632959E+21	1,102703E+22	1,102687E+22	8,632605E+21	5,372412E+21	2,426110E+21	5,832953E+20	3,156886E+19	3,158099E+19	5,834384E+20	2,426394E+21
-1495	5,372709E+21	8,632755E+21	1,102668E+22	1,102657E+22	8,632651E+21	5,372659E+21	2,426311E+21	5,833612E+20	3,156615E+19	3,156261E+19	5,833016E+20	2,426115E+21
-1494	5,372306E+21	8,632463E+21	1,102691E+22	1,102706E+22	8,632905E+21	5,372730E+21	2,426351E+21	5,834127E+20	3,158070E+19	3,157574E+19	5,833598E+20	2,426296E+21
-1493	5,372709E+21	8,632767E+21	1,102681E+22	1,102669E+22	8,632500E+21	5,372405E+21	2,426138E+21	5,833184E+20	3,157609E+19	3,159191E+19	5,834821E+20	2,426397E+21
-1492	5,372540E+21	8,632234E+21	1,102602E+22	1,102626E+22	8,632620E+21	5,372742E+21	2,426476E+21	5,835207E+20	3,160586E+19	3,159528E+19	5,833972E+20	2,426191E+21
-1491	5,372355E+21	8,632353E+21	1,102629E+22	1,102624E+22	8,632396E+21	5,372523E+21	2,426359E+21	5,835208E+20	3,162304E+19	3,162797E+19	5,835701E+20	2,426514E+21
-1490	5,372714E+21	8,632384E+21	1,102582E+22	1,102544E+22	8,631748E+21	5,372244E+21	2,426314E+21	5,835440E+20	3,163864E+19	3,164785E+19	5,836405E+20	2,426418E+21
-1489	5,372234E+21	8,631610E+21	1,102523E+22	1,102544E+22	8,631998E+21	5,372519E+21	2,426620E+21	5,837694E+20	3,167848E+19	3,166875E+19	5,836313E+20	2,426350E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1488	5,372298E+21	8,631887E+21	1,102534E+22	1,102528E+22	8,631739E+21	5,372187E+21	2,426356E+21	5,836928E+20	3,168887E+19	3,170213E+19	5,838559E+20	2,426705E+21
-1487	5,372481E+21	8,631640E+21	1,102463E+22	1,102444E+22	8,631379E+21	5,372261E+21	2,426526E+21	5,837840E+20	3,170400E+19	3,170725E+19	5,838084E+20	2,426496E+21
-1486	5,372051E+21	8,631133E+21	1,102449E+22	1,102470E+22	8,631624E+21	5,372434E+21	2,426690E+21	5,838981E+20	3,172140E+19	3,171599E+19	5,838079E+20	2,426543E+21
-1485	5,372376E+21	8,631608E+21	1,102463E+22	1,102445E+22	8,631213E+21	5,372054E+21	2,426425E+21	5,837808E+20	3,171556E+19	3,172665E+19	5,839292E+20	2,426690E+21
-1484	5,372288E+21	8,631229E+21	1,102411E+22	1,102419E+22	8,631383E+21	5,372381E+21	2,426698E+21	5,838988E+20	3,172004E+19	3,171130E+19	5,837678E+20	2,426372E+21
-1483	5,371960E+21	8,631238E+21	1,102466E+22	1,102476E+22	8,631576E+21	5,372339E+21	2,426602E+21	5,838518E+20	3,171442E+19	3,170834E+19	5,838142E+20	2,426614E+21
-1482	5,372456E+21	8,631658E+21	1,102473E+22	1,102452E+22	8,631248E+21	5,372066E+21	2,426382E+21	5,837057E+20	3,169031E+19	3,170046E+19	5,838258E+20	2,426576E+21
-1481	5,372209E+21	8,631276E+21	1,102458E+22	1,102491E+22	8,631802E+21	5,372486E+21	2,426628E+21	5,837830E+20	3,168131E+19	3,166929E+19	5,836333E+20	2,426352E+21
-1480	5,372286E+21	8,631905E+21	1,102543E+22	1,102543E+22	8,631916E+21	5,372314E+21	2,426354E+21	5,836144E+20	3,165938E+19	3,166365E+19	5,837087E+20	2,426630E+21
-1479	5,372685E+21	8,632218E+21	1,102556E+22	1,102522E+22	8,631717E+21	5,372296E+21	2,426347E+21	5,835425E+20	3,163183E+19	3,163737E+19	5,835751E+20	2,426349E+21
-1478	5,372270E+21	8,631854E+21	1,102576E+22	1,102597E+22	8,632287E+21	5,372600E+21	2,426528E+21	5,836241E+20	3,163415E+19	3,162012E+19	5,834679E+20	2,426242E+21
-1477	5,372453E+21	8,632396E+21	1,102621E+22	1,102613E+22	8,632194E+21	5,372302E+21	2,426221E+21	5,834675E+20	3,161950E+19	3,163084E+19	5,836054E+20	2,426485E+21
-1476	5,372514E+21	8,632144E+21	1,102574E+22	1,102577E+22	8,632258E+21	5,372566E+21	2,426425E+21	5,835428E+20	3,162152E+19	3,161695E+19	5,834817E+20	2,426231E+21
-1475	5,372164E+21	8,631870E+21	1,102587E+22	1,102609E+22	8,632422E+21	5,372647E+21	2,426491E+21	5,836017E+20	3,163661E+19	3,163125E+19	5,835457E+20	2,426434E+21
-1474	5,372630E+21	8,632274E+21	1,102578E+22	1,102556E+22	8,631820E+21	5,372206E+21	2,426246E+21	5,835076E+20	3,163346E+19	3,164949E+19	5,836761E+20	2,426529E+21
-1473	5,372439E+21	8,631773E+21	1,102513E+22	1,102526E+22	8,631925E+21	5,372492E+21	2,426561E+21	5,837033E+20	3,166297E+19	3,165367E+19	5,835859E+20	2,426287E+21
-1472	5,372187E+21	8,631824E+21	1,102539E+22	1,102534E+22	8,631836E+21	5,372330E+21	2,426455E+21	5,837138E+20	3,168293E+19	3,168932E+19	5,837749E+20	2,426620E+21
-1471	5,372528E+21	8,631881E+21	1,102500E+22	1,102458E+22	8,631221E+21	5,372059E+21	2,426395E+21	5,837261E+20	3,169684E+19	3,170747E+19	5,838447E+20	2,426559E+21
-1470	5,372100E+21	8,631054E+21	1,102429E+22	1,102455E+22	8,631518E+21	5,372394E+21	2,426717E+21	5,839412E+20	3,173324E+19	3,172571E+19	5,838202E+20	2,426452E+21
-1469	5,372109E+21	8,631276E+21	1,102432E+22	1,102431E+22	8,631225E+21	5,372090E+21	2,426501E+21	5,838845E+20	3,174468E+19	3,175686E+19	5,840366E+20	2,426819E+21
-1468	5,372345E+21	8,631094E+21	1,102366E+22	1,102353E+22	8,630902E+21	5,372154E+21	2,426663E+21	5,839777E+20	3,176018E+19	3,176079E+19	5,839718E+20	2,426566E+21
-1467	5,371889E+21	8,630609E+21	1,102354E+22	1,102377E+22	8,631113E+21	5,372333E+21	2,426839E+21	5,840937E+20	3,177645E+19	3,176738E+19	5,839685E+20	2,426614E+21
-1466	5,372192E+21	8,631086E+21	1,102374E+22	1,102350E+22	8,630604E+21	5,371848E+21	2,426522E+21	5,839644E+20	3,177024E+19	3,177978E+19	5,841050E+20	2,426790E+21
-1465	5,372109E+21	8,630691E+21	1,102327E+22	1,102337E+22	8,630835E+21	5,372163E+21	2,426756E+21	5,840541E+20	3,176975E+19	3,176260E+19	5,839425E+20	2,426487E+21
-1464	5,371824E+21	8,630728E+21	1,102379E+22	1,102395E+22	8,631136E+21	5,372207E+21	2,426674E+21	5,839983E+20	3,176160E+19	3,175779E+19	5,839881E+20	2,426744E+21
-1463	5,372386E+21	8,631318E+21	1,102405E+22	1,102376E+22	8,630780E+21	5,371915E+21	2,426441E+21	5,838339E+20	3,173157E+19	3,174326E+19	5,839716E+20	2,426694E+21
-1462	5,372185E+21	8,630983E+21	1,102394E+22	1,102422E+22	8,631386E+21	5,372359E+21	2,426690E+21	5,839039E+20	3,171983E+19	3,170847E+19	5,837529E+20	2,426387E+21
-1461	5,372132E+21	8,631528E+21	1,102478E+22	1,102474E+22	8,631503E+21	5,372213E+21	2,426464E+21	5,837666E+20	3,170262E+19	3,170481E+19	5,838342E+20	2,426666E+21
-1460	5,372489E+21	8,631741E+21	1,102487E+22	1,102465E+22	8,631397E+21	5,372198E+21	2,426449E+21	5,837059E+20	3,168005E+19	3,168305E+19	5,837144E+20	2,426392E+21
-1459	5,372058E+21	8,631299E+21	1,102490E+22	1,102525E+22	8,631954E+21	5,372546E+21	2,426653E+21	5,837952E+20	3,168458E+19	3,166958E+19	5,836352E+20	2,426348E+21
-1458	5,372281E+21	8,631823E+21	1,102524E+22	1,102519E+22	8,631660E+21	5,372157E+21	2,426321E+21	5,836357E+20	3,167116E+19	3,168388E+19	5,837919E+20	2,426631E+21
-1457	5,372410E+21	8,631622E+21	1,102480E+22	1,102482E+22	8,631656E+21	5,372373E+21	2,426509E+21	5,837022E+20	3,167203E+19	3,167032E+19	5,836665E+20	2,426370E+21
-1456	5,372092E+21	8,631425E+21	1,102494E+22	1,102511E+22	8,631845E+21	5,372479E+21	2,426591E+21	5,837750E+20	3,168981E+19	3,168669E+19	5,837325E+20	2,426549E+21
-1455	5,372531E+21	8,631925E+21	1,102502E+22	1,102463E+22	8,631190E+21	5,371991E+21	2,426331E+21	5,836835E+20	3,168773E+19	3,170392E+19	5,838562E+20	2,426639E+21
-1454	5,372314E+21	8,631328E+21	1,102434E+22	1,102444E+22	8,631393E+21	5,372292E+21	2,426637E+21	5,838792E+20	3,171896E+19	3,171060E+19	5,837682E+20	2,426360E+21
-1453	5,371953E+21	8,631210E+21	1,102442E+22	1,102445E+22	8,631343E+21	5,372189E+21	2,426576E+21	5,839156E+20	3,174363E+19	3,174914E+19	5,839733E+20	2,426739E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1452	5,372329E+21	8,631214E+21	1,102396E+22	1,102371E+22	8,630786E+21	5,371958E+21	2,426531E+21	5,839334E+20	3,175954E+19	3,176832E+19	5,840393E+20	2,426673E+21
-1451	5,371941E+21	8,630447E+21	1,102321E+22	1,102355E+22	8,631026E+21	5,372322E+21	2,426882E+21	5,841486E+20	3,179313E+19	3,178395E+19	5,840103E+20	2,426569E+21
-1450	5,371957E+21	8,630723E+21	1,102327E+22	1,102319E+22	8,630558E+21	5,371912E+21	2,426636E+21	5,840872E+20	3,180378E+19	3,181400E+19	5,842189E+20	2,426915E+21
-1449	5,372176E+21	8,630572E+21	1,102275E+22	1,102256E+22	8,630250E+21	5,371938E+21	2,426765E+21	5,841601E+20	3,181541E+19	3,181638E+19	5,841492E+20	2,426646E+21
-1448	5,371698E+21	8,630067E+21	1,102263E+22	1,102289E+22	8,630590E+21	5,372153E+21	2,426927E+21	5,842689E+20	3,183047E+19	3,182224E+19	5,841533E+20	2,426713E+21
-1447	5,372022E+21	8,630626E+21	1,102295E+22	1,102268E+22	8,630110E+21	5,371666E+21	2,426577E+21	5,841118E+20	3,181833E+19	3,182961E+19	5,842795E+20	2,426931E+21
-1446	5,372030E+21	8,630264E+21	1,102250E+22	1,102262E+22	8,630409E+21	5,372015E+21	2,426800E+21	5,841774E+20	3,181164E+19	3,180718E+19	5,840927E+20	2,426586E+21
-1445	5,371715E+21	8,630297E+21	1,102301E+22	1,102320E+22	8,630720E+21	5,372101E+21	2,426770E+21	5,841407E+20	3,180394E+19	3,179958E+19	5,841262E+20	2,426841E+21
-1444	5,372306E+21	8,630936E+21	1,102335E+22	1,102312E+22	8,630442E+21	5,371832E+21	2,426546E+21	5,839850E+20	3,177531E+19	3,178445E+19	5,840929E+20	2,426737E+21
-1443	5,372054E+21	8,630617E+21	1,102327E+22	1,102355E+22	8,631013E+21	5,372295E+21	2,426820E+21	5,840655E+20	3,176512E+19	3,175099E+19	5,838870E+20	2,426438E+21
-1442	5,371930E+21	8,631049E+21	1,102402E+22	1,102398E+22	8,631025E+21	5,372059E+21	2,426562E+21	5,839322E+20	3,175155E+19	3,175287E+19	5,839918E+20	2,426748E+21
-1441	5,372299E+21	8,631204E+21	1,102403E+22	1,102387E+22	8,630925E+21	5,372036E+21	2,426521E+21	5,838563E+20	3,172835E+19	3,173406E+19	5,838911E+20	2,426514E+21
-1440	5,371928E+21	8,630766E+21	1,102393E+22	1,102435E+22	8,631484E+21	5,372423E+21	2,426742E+21	5,839518E+20	3,173431E+19	3,172227E+19	5,838208E+20	2,426491E+21
-1439	5,372210E+21	8,631439E+21	1,102441E+22	1,102427E+22	8,631096E+21	5,371975E+21	2,426395E+21	5,837864E+20	3,171872E+19	3,173329E+19	5,839615E+20	2,426773E+21
-1438	5,372378E+21	8,631278E+21	1,102402E+22	1,102394E+22	8,631087E+21	5,372169E+21	2,426574E+21	5,838552E+20	3,172059E+19	3,171922E+19	5,838186E+20	2,426427E+21
-1437	5,371912E+21	8,630966E+21	1,102414E+22	1,102426E+22	8,631297E+21	5,372306E+21	2,426707E+21	5,839646E+20	3,174483E+19	3,173955E+19	5,838975E+20	2,426617E+21
-1436	5,372315E+21	8,631363E+21	1,102418E+22	1,102390E+22	8,630775E+21	5,371851E+21	2,426449E+21	5,838864E+20	3,174835E+19	3,176158E+19	5,840344E+20	2,426710E+21
-1435	5,372084E+21	8,630709E+21	1,102334E+22	1,102356E+22	8,630972E+21	5,372220E+21	2,426786E+21	5,840867E+20	3,178055E+19	3,177137E+19	5,839715E+20	2,426483E+21
-1434	5,371742E+21	8,630540E+21	1,102332E+22	1,102339E+22	8,630767E+21	5,372050E+21	2,426713E+21	5,841226E+20	3,180588E+19	3,181139E+19	5,841818E+20	2,426882E+21
-1433	5,372181E+21	8,630606E+21	1,102288E+22	1,102265E+22	8,630172E+21	5,371786E+21	2,426651E+21	5,841268E+20	3,181924E+19	3,182983E+19	5,842431E+20	2,426803E+21
-1432	5,371813E+21	8,629911E+21	1,102214E+22	1,102246E+22	8,630424E+21	5,372166E+21	2,427008E+21	5,843454E+20	3,185205E+19	3,184379E+19	5,842079E+20	2,426678E+21
-1431	5,371802E+21	8,630276E+21	1,102242E+22	1,102221E+22	8,629907E+21	5,371686E+21	2,426725E+21	5,842695E+20	3,185964E+19	3,186966E+19	5,844030E+20	2,427028E+21
-1430	5,372028E+21	8,630075E+21	1,102191E+22	1,102171E+22	8,629702E+21	5,371712E+21	2,426818E+21	5,843222E+20	3,186761E+19	3,186983E+19	5,843243E+20	2,426734E+21
-1429	5,371495E+21	8,629498E+21	1,102173E+22	1,102204E+22	8,630115E+21	5,372003E+21	2,427015E+21	5,844367E+20	3,188206E+19	3,187369E+19	5,843300E+20	2,426845E+21
-1428	5,371901E+21	8,630097E+21	1,102207E+22	1,102193E+22	8,629736E+21	5,371569E+21	2,426676E+21	5,842738E+20	3,186797E+19	3,187798E+19	5,844338E+20	2,427036E+21
-1427	5,371956E+21	8,629867E+21	1,102170E+22	1,102184E+22	8,630021E+21	5,371954E+21	2,426922E+21	5,843337E+20	3,185718E+19	3,185148E+19	5,842366E+20	2,426678E+21
-1426	5,371613E+21	8,629919E+21	1,102227E+22	1,102237E+22	8,630214E+21	5,371958E+21	2,426872E+21	5,842986E+20	3,184996E+19	3,184336E+19	5,842594E+20	2,426898E+21
-1425	5,372155E+21	8,630528E+21	1,102269E+22	1,102243E+22	8,629982E+21	5,371676E+21	2,426629E+21	5,841319E+20	3,182001E+19	3,182951E+19	5,842329E+20	2,426786E+21
-1424	5,371870E+21	8,630154E+21	1,102251E+22	1,102284E+22	8,630631E+21	5,372177E+21	2,426905E+21	5,842160E+20	3,181133E+19	3,179836E+19	5,840480E+20	2,426521E+21
-1423	5,371755E+21	8,630599E+21	1,102327E+22	1,102321E+22	8,630587E+21	5,371917E+21	2,426625E+21	5,840687E+20	3,179528E+19	3,179869E+19	5,841515E+20	2,426871E+21
-1422	5,372199E+21	8,630759E+21	1,102324E+22	1,102309E+22	8,630483E+21	5,371889E+21	2,426574E+21	5,839841E+20	3,177023E+19	3,177846E+19	5,840418E+20	2,426615E+21
-1421	5,371819E+21	8,630320E+21	1,102309E+22	1,102349E+22	8,630993E+21	5,372284E+21	2,426840E+21	5,841085E+20	3,178075E+19	3,176847E+19	5,839738E+20	2,426596E+21
-1420	5,372113E+21	8,630999E+21	1,102361E+22	1,102348E+22	8,630646E+21	5,371847E+21	2,426510E+21	5,839650E+20	3,177055E+19	3,178216E+19	5,841079E+20	2,426834E+21
-1419	5,372227E+21	8,630845E+21	1,102324E+22	1,102313E+22	8,630613E+21	5,372045E+21	2,426705E+21	5,840487E+20	3,177691E+19	3,177319E+19	5,839927E+20	2,426510E+21
-1418	5,371688E+21	8,630381E+21	1,102322E+22	1,102335E+22	8,630738E+21	5,372111E+21	2,426814E+21	5,841687E+20	3,180649E+19	3,180017E+19	5,840953E+20	2,426728E+21
-1417	5,372105E+21	8,630714E+21	1,102316E+22	1,102295E+22	8,630245E+21	5,371691E+21	2,426554E+21	5,840810E+20	3,181043E+19	3,182584E+19	5,842515E+20	2,426854E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1416	5,371927E+21	8,630090E+21	1,102222E+22	1,102248E+22	8,630422E+21	5,372094E+21	2,426914E+21	5,842864E+20	3,184261E+19	3,183621E+19	5,841935E+20	2,426639E+21
-1415	5,371627E+21	8,630037E+21	1,102231E+22	1,102230E+22	8,630127E+21	5,371863E+21	2,426819E+21	5,843099E+20	3,186378E+19	3,187075E+19	5,843795E+20	2,427019E+21
-1414	5,372085E+21	8,630144E+21	1,102195E+22	1,102164E+22	8,629552E+21	5,371575E+21	2,426734E+21	5,843039E+20	3,187456E+19	3,188573E+19	5,844191E+20	2,426877E+21
-1413	5,371611E+21	8,629369E+21	1,102122E+22	1,102150E+22	8,629837E+21	5,371977E+21	2,427119E+21	5,845377E+20	3,190886E+19	3,189928E+19	5,843871E+20	2,426772E+21
-1412	5,371601E+21	8,629665E+21	1,102151E+22	1,102141E+22	8,629468E+21	5,371539E+21	2,426830E+21	5,844598E+20	3,191695E+19	3,192432E+19	5,845752E+20	2,427118E+21
-1411	5,371853E+21	8,629524E+21	1,102099E+22	1,102086E+22	8,629276E+21	5,371621E+21	2,426937E+21	5,844993E+20	3,192080E+19	3,192271E+19	5,845053E+20	2,426863E+21
-1410	5,371350E+21	8,628958E+21	1,102081E+22	1,102112E+22	8,629587E+21	5,371853E+21	2,427116E+21	5,846061E+20	3,193333E+19	3,192429E+19	5,844980E+20	2,426970E+21
-1409	5,371821E+21	8,629662E+21	1,102125E+22	1,102108E+22	8,629254E+21	5,371441E+21	2,426774E+21	5,844280E+20	3,191559E+19	3,192663E+19	5,845898E+20	2,427127E+21
-1408	5,371864E+21	8,629497E+21	1,102094E+22	1,102102E+22	8,629569E+21	5,371846E+21	2,427028E+21	5,844907E+20	3,190370E+19	3,189803E+19	5,843855E+20	2,426743E+21
-1407	5,371475E+21	8,629580E+21	1,102166E+22	1,102166E+22	8,629737E+21	5,371790E+21	2,426945E+21	5,844439E+20	3,189441E+19	3,188746E+19	5,844005E+20	2,426966E+21
-1406	5,371998E+21	8,630086E+21	1,102201E+22	1,102178E+22	8,629580E+21	5,371502E+21	2,426668E+21	5,842641E+20	3,186287E+19	3,187336E+19	5,843741E+20	2,426844E+21
-1405	5,371662E+21	8,629606E+21	1,102168E+22	1,102207E+22	8,630230E+21	5,372067E+21	2,426990E+21	5,843636E+20	3,185652E+19	3,184359E+19	5,842046E+20	2,426640E+21
-1404	5,371633E+21	8,630057E+21	1,102242E+22	1,102247E+22	8,630214E+21	5,371827E+21	2,426725E+21	5,842241E+20	3,184204E+19	3,184425E+19	5,842960E+20	2,426965E+21
-1403	5,372116E+21	8,630348E+21	1,102243E+22	1,102225E+22	8,630032E+21	5,371797E+21	2,426695E+21	5,841483E+20	3,181794E+19	3,182500E+19	5,841956E+20	2,426710E+21
-1402	5,371693E+21	8,629886E+21	1,102229E+22	1,102257E+22	8,630411E+21	5,372096E+21	2,426939E+21	5,842857E+20	3,183347E+19	3,181942E+19	5,841328E+20	2,426675E+21
-1401	5,371958E+21	8,630522E+21	1,102282E+22	1,102264E+22	8,630116E+21	5,371668E+21	2,426604E+21	5,841437E+20	3,182605E+19	3,183844E+19	5,842881E+20	2,426916E+21
-1400	5,372037E+21	8,630298E+21	1,102233E+22	1,102226E+22	8,630144E+21	5,371901E+21	2,426803E+21	5,842343E+20	3,183546E+19	3,183374E+19	5,841984E+20	2,426633E+21
-1399	5,371522E+21	8,629849E+21	1,102230E+22	1,102241E+22	8,630207E+21	5,371946E+21	2,426898E+21	5,843423E+20	3,186263E+19	3,185937E+19	5,842989E+20	2,426879E+21
-1398	5,371991E+21	8,630168E+21	1,102219E+22	1,102200E+22	8,629711E+21	5,371521E+21	2,426633E+21	5,842500E+20	3,186483E+19	3,188263E+19	5,844405E+20	2,426971E+21
-1397	5,371783E+21	8,629539E+21	1,102122E+22	1,102145E+22	8,629854E+21	5,371957E+21	2,427046E+21	5,844793E+20	3,189947E+19	3,189313E+19	5,843821E+20	2,426762E+21
-1396	5,371489E+21	8,629476E+21	1,102136E+22	1,102137E+22	8,629595E+21	5,371728E+21	2,426960E+21	5,845159E+20	3,192323E+19	3,192690E+19	5,845497E+20	2,427085E+21
-1395	5,371895E+21	8,629614E+21	1,102105E+22	1,102071E+22	8,629010E+21	5,371435E+21	2,426876E+21	5,845134E+20	3,193502E+19	3,194399E+19	5,846107E+20	2,426976E+21
-1394	5,371384E+21	8,628730E+21	1,102022E+22	1,102051E+22	8,629236E+21	5,371764E+21	2,427217E+21	5,847396E+20	3,197034E+19	3,195940E+19	5,845856E+20	2,426900E+21
-1393	5,371435E+21	8,629047E+21	1,102049E+22	1,102044E+22	8,628933E+21	5,371387E+21	2,426928E+21	5,846415E+20	3,197513E+19	3,198376E+19	5,847746E+20	2,427259E+21
-1392	5,371753E+21	8,629017E+21	1,102004E+22	1,101990E+22	8,628767E+21	5,371495E+21	2,427043E+21	5,846726E+20	3,197474E+19	3,197822E+19	5,846917E+20	2,426995E+21
-1391	5,371294E+21	8,628608E+21	1,102004E+22	1,102023E+22	8,629033E+21	5,371678E+21	2,427195E+21	5,847587E+20	3,198091E+19	3,197198E+19	5,846502E+20	2,427058E+21
-1390	5,371731E+21	8,629314E+21	1,102059E+22	1,102035E+22	8,628792E+21	5,371275E+21	2,426836E+21	5,845688E+20	3,195916E+19	3,196962E+19	5,847171E+20	2,427150E+21
-1389	5,371656E+21	8,629046E+21	1,102027E+22	1,102034E+22	8,629164E+21	5,371721E+21	2,427117E+21	5,846405E+20	3,194794E+19	3,194125E+19	5,845249E+20	2,426803E+21
-1388	5,371270E+21	8,629005E+21	1,102090E+22	1,102106E+22	8,629438E+21	5,371710E+21	2,427037E+21	5,845947E+20	3,193971E+19	3,193081E+19	5,845359E+20	2,427021E+21
-1387	5,371816E+21	8,629569E+21	1,102121E+22	1,102106E+22	8,629241E+21	5,371452E+21	2,426776E+21	5,844100E+20	3,190648E+19	3,191764E+19	5,845302E+20	2,426958E+21
-1386	5,371531E+21	8,629090E+21	1,102081E+22	1,102119E+22	8,629714E+21	5,371915E+21	2,427075E+21	5,845143E+20	3,190258E+19	3,188951E+19	5,843598E+20	2,426762E+21
-1385	5,371577E+21	8,629634E+21	1,102159E+22	1,102158E+22	8,629701E+21	5,371692E+21	2,426818E+21	5,843771E+20	3,188941E+19	3,189302E+19	5,844545E+20	2,427061E+21
-1384	5,372038E+21	8,629982E+21	1,102167E+22	1,102137E+22	8,629502E+21	5,371645E+21	2,426793E+21	5,843163E+20	3,186902E+19	3,187645E+19	5,843646E+20	2,426799E+21
-1383	5,371575E+21	8,629514E+21	1,102159E+22	1,102177E+22	8,629851E+21	5,371876E+21	2,427001E+21	5,844479E+20	3,188541E+19	3,187262E+19	5,843088E+20	2,426775E+21
-1382	5,371807E+21	8,630027E+21	1,102202E+22	1,102187E+22	8,629657E+21	5,371480E+21	2,426654E+21	5,843034E+20	3,187842E+19	3,189276E+19	5,844677E+20	2,427011E+21
-1381	5,371845E+21	8,629704E+21	1,102139E+22	1,102135E+22	8,629673E+21	5,371786E+21	2,426910E+21	5,844129E+20	3,189119E+19	3,189086E+19	5,843954E+20	2,426779E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1380	5,371394E+21	8,629230E+21	1,102130E+22	1,102151E+22	8,629746E+21	5,371855E+21	2,427037E+21	5,845362E+20	3,192034E+19	3,191584E+19	5,844760E+20	2,426974E+21
-1379	5,371854E+21	8,629656E+21	1,102124E+22	1,102101E+22	8,629175E+21	5,371422E+21	2,426792E+21	5,844559E+20	3,192384E+19	3,193976E+19	5,846255E+20	2,427065E+21
-1378	5,371584E+21	8,628957E+21	1,102024E+22	1,102037E+22	8,629175E+21	5,371754E+21	2,427180E+21	5,846961E+20	3,196262E+19	3,195342E+19	5,845703E+20	2,426850E+21
-1377	5,371290E+21	8,628862E+21	1,102036E+22	1,102036E+22	8,628993E+21	5,371548E+21	2,427081E+21	5,847254E+20	3,198720E+19	3,199033E+19	5,847535E+20	2,427182E+21
-1376	5,371685E+21	8,628982E+21	1,102000E+22	1,101970E+22	8,628460E+21	5,371277E+21	2,426989E+21	5,847159E+20	3,199788E+19	3,200756E+19	5,848251E+20	2,427113E+21
-1375	5,371245E+21	8,628196E+21	1,101926E+22	1,101953E+22	8,628652E+21	5,371569E+21	2,427289E+21	5,849102E+20	3,202609E+19	3,201743E+19	5,847846E+20	2,427056E+21
-1374	5,371363E+21	8,628575E+21	1,101961E+22	1,101954E+22	8,628411E+21	5,371202E+21	2,426991E+21	5,847966E+20	3,202529E+19	3,203512E+19	5,849417E+20	2,427358E+21
-1373	5,371635E+21	8,628566E+21	1,101922E+22	1,101904E+22	8,628286E+21	5,371374E+21	2,427149E+21	5,848349E+20	3,202318E+19	3,202646E+19	5,848481E+20	2,427087E+21
-1372	5,371168E+21	8,628152E+21	1,101934E+22	1,101955E+22	8,628630E+21	5,371579E+21	2,427310E+21	5,849244E+20	3,202900E+19	3,201678E+19	5,847812E+20	2,427084E+21
-1371	5,371534E+21	8,628860E+21	1,101989E+22	1,101968E+22	8,628410E+21	5,371187E+21	2,426953E+21	5,847331E+20	3,200662E+19	3,201547E+19	5,848663E+20	2,427209E+21
-1370	5,371420E+21	8,628454E+21	1,101942E+22	1,101954E+22	8,628702E+21	5,371577E+21	2,427202E+21	5,847992E+20	3,199633E+19	3,198893E+19	5,846853E+20	2,426912E+21
-1369	5,371137E+21	8,628449E+21	1,101997E+22	1,102018E+22	8,628993E+21	5,371613E+21	2,427126E+21	5,847419E+20	3,198698E+19	3,197996E+19	5,847032E+20	2,427141E+21
-1368	5,371737E+21	8,629118E+21	1,102033E+22	1,102016E+22	8,628751E+21	5,371335E+21	2,426871E+21	5,845597E+20	3,195257E+19	3,196541E+19	5,846935E+20	2,427082E+21
-1367	5,371514E+21	8,628803E+21	1,102011E+22	1,102034E+22	8,629142E+21	5,371706E+21	2,427126E+21	5,846498E+20	3,194642E+19	3,193457E+19	5,845081E+20	2,426859E+21
-1366	5,371519E+21	8,629329E+21	1,102096E+22	1,102085E+22	8,629195E+21	5,371480E+21	2,426863E+21	5,845164E+20	3,193346E+19	3,193751E+19	5,845920E+20	2,427104E+21
-1365	5,371859E+21	8,629544E+21	1,102100E+22	1,102069E+22	8,629078E+21	5,371501E+21	2,426876E+21	5,844741E+20	3,191757E+19	3,192490E+19	5,845264E+20	2,426886E+21
-1364	5,371390E+21	8,628954E+21	1,102082E+22	1,102111E+22	8,629505E+21	5,371792E+21	2,427107E+21	5,846169E+20	3,193712E+19	3,192341E+19	5,844700E+20	2,426846E+21
-1363	5,371616E+21	8,629478E+21	1,102114E+22	1,102106E+22	8,629265E+21	5,371434E+21	2,426796E+21	5,844841E+20	3,193187E+19	3,194648E+19	5,846499E+20	2,427123E+21
-1362	5,371668E+21	8,629087E+21	1,102036E+22	1,102034E+22	8,629102E+21	5,371649E+21	2,427044E+21	5,846103E+20	3,194969E+19	3,194843E+19	5,845849E+20	2,426906E+21
-1361	5,371279E+21	8,628658E+21	1,102023E+22	1,102042E+22	8,629162E+21	5,371736E+21	2,427183E+21	5,847418E+20	3,198158E+19	3,197700E+19	5,846714E+20	2,427069E+21
-1360	5,371686E+21	8,629111E+21	1,102024E+22	1,101994E+22	8,628539E+21	5,371252E+21	2,426935E+21	5,846741E+20	3,198847E+19	3,200334E+19	5,848326E+20	2,427177E+21
-1359	5,371423E+21	8,628423E+21	1,101929E+22	1,101935E+22	8,628478E+21	5,371479E+21	2,427254E+21	5,848938E+20	3,202553E+19	3,201717E+19	5,847828E+20	2,426982E+21
-1358	5,371125E+21	8,628266E+21	1,101936E+22	1,101938E+22	8,628403E+21	5,371310E+21	2,427137E+21	5,849063E+20	3,204630E+19	3,205083E+19	5,849563E+20	2,427308E+21
-1357	5,371520E+21	8,628390E+21	1,101900E+22	1,101872E+22	8,627919E+21	5,371124E+21	2,427084E+21	5,848948E+20	3,205491E+19	3,206624E+19	5,850274E+20	2,427273E+21
-1356	5,371153E+21	8,627664E+21	1,101835E+22	1,101867E+22	8,628174E+21	5,371453E+21	2,427404E+21	5,850858E+20	3,207970E+19	3,206999E+19	5,849479E+20	2,427141E+21
-1355	5,371250E+21	8,628167E+21	1,101882E+22	1,101871E+22	8,627959E+21	5,371123E+21	2,427128E+21	5,849737E+20	3,207648E+19	3,208455E+19	5,850974E+20	2,427422E+21
-1354	5,371441E+21	8,628061E+21	1,101842E+22	1,101822E+22	8,627759E+21	5,371218E+21	2,427261E+21	5,850128E+20	3,207512E+19	3,207600E+19	5,849998E+20	2,427147E+21
-1353	5,370981E+21	8,627606E+21	1,101847E+22	1,101876E+22	8,628204E+21	5,371473E+21	2,427414E+21	5,850911E+20	3,208004E+19	3,206746E+19	5,849437E+20	2,427147E+21
-1352	5,371324E+21	8,628301E+21	1,101901E+22	1,101887E+22	8,627986E+21	5,371086E+21	2,427053E+21	5,848920E+20	3,205549E+19	3,206521E+19	5,850352E+20	2,427322E+21
-1351	5,371313E+21	8,628002E+21	1,101860E+22	1,101870E+22	8,628170E+21	5,371393E+21	2,427253E+21	5,849294E+20	3,203933E+19	3,203463E+19	5,848464E+20	2,427049E+21
-1350	5,371102E+21	8,628082E+21	1,101920E+22	1,101938E+22	8,628499E+21	5,371430E+21	2,427171E+21	5,848656E+20	3,202681E+19	3,202142E+19	5,848407E+20	2,427228E+21
-1349	5,371664E+21	8,628787E+21	1,101964E+22	1,101939E+22	8,628289E+21	5,371205E+21	2,426956E+21	5,846995E+20	3,199446E+19	3,200747E+19	5,848335E+20	2,427171E+21
-1348	5,371418E+21	8,628448E+21	1,101953E+22	1,101974E+22	8,628738E+21	5,371580E+21	2,427219E+21	5,848033E+20	3,199229E+19	3,197790E+19	5,846377E+20	2,426894E+21
-1347	5,371340E+21	8,628913E+21	1,102032E+22	1,102025E+22	8,628835E+21	5,371382E+21	2,426974E+21	5,846846E+20	3,198309E+19	3,198609E+19	5,847504E+20	2,427170E+21
-1346	5,371615E+21	8,628928E+21	1,102011E+22	1,101990E+22	8,628628E+21	5,371371E+21	2,426979E+21	5,846541E+20	3,197269E+19	3,197902E+19	5,847062E+20	2,427004E+21
-1345	5,371243E+21	8,628350E+21	1,101977E+22	1,102015E+22	8,629039E+21	5,371719E+21	2,427238E+21	5,848037E+20	3,199498E+19	3,198251E+19	5,846656E+20	2,426962E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1344	5,371466E+21	8,628912E+21	1,102009E+22	1,102001E+22	8,628699E+21	5,371323E+21	2,426946E+21	5,846864E+20	3,199181E+19	3,200621E+19	5,848438E+20	2,427242E+21
-1343	5,371563E+21	8,628619E+21	1,101941E+22	1,101928E+22	8,628412E+21	5,371420E+21	2,427143E+21	5,848015E+20	3,200892E+19	3,200817E+19	5,847800E+20	2,427022E+21
-1342	5,371150E+21	8,628168E+21	1,101930E+22	1,101943E+22	8,628505E+21	5,371479E+21	2,427258E+21	5,849294E+20	3,203998E+19	3,203589E+19	5,848600E+20	2,427152E+21
-1341	5,371463E+21	8,628506E+21	1,101926E+22	1,101899E+22	8,627969E+21	5,371059E+21	2,427030E+21	5,848669E+20	3,204868E+19	3,206421E+19	5,850402E+20	2,427313E+21
-1340	5,371241E+21	8,627801E+21	1,101834E+22	1,101849E+22	8,627988E+21	5,371327E+21	2,427348E+21	5,850768E+20	3,208386E+19	3,207586E+19	5,849751E+20	2,427101E+21
-1339	5,370979E+21	8,627728E+21	1,101843E+22	1,101848E+22	8,627912E+21	5,371200E+21	2,427262E+21	5,850908E+20	3,210247E+19	3,210746E+19	5,851478E+20	2,427434E+21
-1338	5,371368E+21	8,627819E+21	1,101801E+22	1,101775E+22	8,627358E+21	5,370978E+21	2,427209E+21	5,850859E+20	3,211201E+19	3,212212E+19	5,852062E+20	2,427388E+21
-1337	5,371054E+21	8,627191E+21	1,101741E+22	1,101770E+22	8,627666E+21	5,371362E+21	2,427542E+21	5,852759E+20	3,213616E+19	3,212556E+19	5,851199E+20	2,427204E+21
-1336	5,371056E+21	8,627678E+21	1,101798E+22	1,101784E+22	8,627442E+21	5,371004E+21	2,427270E+21	5,851681E+20	3,213284E+19	3,213871E+19	5,852662E+20	2,427494E+21
-1335	5,371263E+21	8,627558E+21	1,101759E+22	1,101740E+22	8,627222E+21	5,371007E+21	2,427326E+21	5,851743E+20	3,212633E+19	3,212836E+19	5,851751E+20	2,427257E+21
-1334	5,370835E+21	8,627081E+21	1,101757E+22	1,101793E+22	8,627726E+21	5,371282E+21	2,427458E+21	5,852296E+20	3,212556E+19	3,211468E+19	5,851055E+20	2,427256E+21
-1333	5,371186E+21	8,627799E+21	1,101814E+22	1,101803E+22	8,627534E+21	5,370963E+21	2,427131E+21	5,850293E+20	3,209874E+19	3,211016E+19	5,851935E+20	2,427459E+21
-1332	5,371256E+21	8,627618E+21	1,101790E+22	1,101799E+22	8,627735E+21	5,371264E+21	2,427333E+21	5,850649E+20	3,208080E+19	3,207499E+19	5,849720E+20	2,427116E+21
-1331	5,371024E+21	8,627807E+21	1,101862E+22	1,101871E+22	8,628081E+21	5,371323E+21	2,427277E+21	5,850140E+20	3,206966E+19	3,206266E+19	5,849696E+20	2,427274E+21
-1330	5,371482E+21	8,628363E+21	1,101898E+22	1,101872E+22	8,627840E+21	5,371055E+21	2,427051E+21	5,848632E+20	3,204252E+19	3,205300E+19	5,849735E+20	2,427231E+21
-1329	5,371247E+21	8,627954E+21	1,101871E+22	1,101901E+22	8,628382E+21	5,371501E+21	2,427322E+21	5,849699E+20	3,204395E+19	3,202945E+19	5,848032E+20	2,426962E+21
-1328	5,371123E+21	8,628352E+21	1,101943E+22	1,101944E+22	8,628438E+21	5,371312E+21	2,427099E+21	5,848606E+20	3,203649E+19	3,204006E+19	5,849291E+20	2,427290E+21
-1327	5,371495E+21	8,628413E+21	1,101917E+22	1,101898E+22	8,628072E+21	5,371187E+21	2,427058E+21	5,848154E+20	3,202486E+19	3,203379E+19	5,848945E+20	2,427150E+21
-1326	5,371167E+21	8,627869E+21	1,101879E+22	1,101916E+22	8,628459E+21	5,371522E+21	2,427320E+21	5,849688E+20	3,204653E+19	3,203601E+19	5,848428E+20	2,427068E+21
-1325	5,371323E+21	8,628429E+21	1,101917E+22	1,101903E+22	8,628113E+21	5,371157E+21	2,427058E+21	5,848695E+20	3,204694E+19	3,206191E+19	5,850299E+20	2,427358E+21
-1324	5,371407E+21	8,628118E+21	1,101859E+22	1,101842E+22	8,627832E+21	5,371220E+21	2,427247E+21	5,849941E+20	3,206750E+19	3,206524E+19	5,849606E+20	2,427103E+21
-1323	5,370952E+21	8,627635E+21	1,101841E+22	1,101856E+22	8,627983E+21	5,371311E+21	2,427370E+21	5,851272E+20	3,210019E+19	3,209613E+19	5,850615E+20	2,427264E+21
-1322	5,371233E+21	8,627828E+21	1,101818E+22	1,101798E+22	8,627400E+21	5,370887E+21	2,427139E+21	5,850708E+20	3,211194E+19	3,212675E+19	5,852480E+20	2,427465E+21
-1321	5,371123E+21	8,627206E+21	1,101722E+22	1,101741E+22	8,627455E+21	5,371222E+21	2,427480E+21	5,852775E+20	3,214650E+19	3,213941E+19	5,851808E+20	2,427226E+21
-1320	5,370842E+21	8,627201E+21	1,101743E+22	1,101746E+22	8,627349E+21	5,371081E+21	2,427416E+21	5,853004E+20	3,216413E+19	3,216739E+19	5,853351E+20	2,427541E+21
-1319	5,371253E+21	8,627363E+21	1,101713E+22	1,101679E+22	8,626732E+21	5,370765E+21	2,427309E+21	5,852741E+20	3,216975E+19	3,217958E+19	5,853867E+20	2,427477E+21
-1318	5,370894E+21	8,626710E+21	1,101656E+22	1,101684E+22	8,627122E+21	5,371152E+21	2,427624E+21	5,854482E+20	3,218888E+19	3,217822E+19	5,852876E+20	2,427265E+21
-1317	5,370808E+21	8,627096E+21	1,101710E+22	1,101703E+22	8,626998E+21	5,370870E+21	2,427362E+21	5,853328E+20	3,218359E+19	3,218986E+19	5,854393E+20	2,427601E+21
-1316	5,371076E+21	8,627000E+21	1,101677E+22	1,101665E+22	8,626812E+21	5,370890E+21	2,427409E+21	5,853216E+20	3,217236E+19	3,217481E+19	5,853292E+20	2,427359E+21
-1315	5,370724E+21	8,626645E+21	1,101678E+22	1,101716E+22	8,627308E+21	5,371180E+21	2,427554E+21	5,853723E+20	3,216876E+19	3,215837E+19	5,852553E+20	2,427361E+21
-1314	5,371070E+21	8,627336E+21	1,101731E+22	1,101721E+22	8,627063E+21	5,370831E+21	2,427228E+21	5,851823E+20	3,214379E+19	3,215376E+19	5,853328E+20	2,427560E+21
-1313	5,371201E+21	8,627280E+21	1,101716E+22	1,101720E+22	8,627308E+21	5,371171E+21	2,427437E+21	5,852225E+20	3,212826E+19	3,212137E+19	5,851155E+20	2,427173E+21
-1312	5,370867E+21	8,627419E+21	1,101795E+22	1,101800E+22	8,627637E+21	5,371196E+21	2,427390E+21	5,851870E+20	3,212034E+19	3,211107E+19	5,851192E+20	2,427344E+21
-1311	5,371323E+21	8,627895E+21	1,101822E+22	1,101800E+22	8,627378E+21	5,370861E+21	2,427107E+21	5,850157E+20	3,209196E+19	3,210384E+19	5,851434E+20	2,427342E+21
-1310	5,371117E+21	8,627466E+21	1,101784E+22	1,101819E+22	8,627922E+21	5,371327E+21	2,427376E+21	5,851127E+20	3,209119E+19	3,207950E+19	5,849754E+20	2,427077E+21
-1309	5,370974E+21	8,627819E+21	1,101850E+22	1,101854E+22	8,627962E+21	5,371198E+21	2,427198E+21	5,850167E+20	3,208505E+19	3,209094E+19	5,851025E+20	2,427417E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1308	5,371391E+21	8,627965E+21	1,101836E+22	1,101813E+22	8,627572E+21	5,371046E+21	2,427160E+21	5,849799E+20	3,207480E+19	3,208333E+19	5,850512E+20	2,427235E+21
-1307	5,371049E+21	8,627481E+21	1,101802E+22	1,101829E+22	8,627924E+21	5,371369E+21	2,427439E+21	5,851507E+20	3,210010E+19	3,208884E+19	5,850105E+20	2,427137E+21
-1306	5,371093E+21	8,627837E+21	1,101825E+22	1,101812E+22	8,627546E+21	5,370969E+21	2,427173E+21	5,850718E+20	3,210694E+19	3,211962E+19	5,852131E+20	2,427456E+21
-1305	5,371219E+21	8,627516E+21	1,101755E+22	1,101745E+22	8,627336E+21	5,371089E+21	2,427362E+21	5,851977E+20	3,213109E+19	3,212878E+19	5,851669E+20	2,427211E+21
-1304	5,370735E+21	8,627010E+21	1,101738E+22	1,101755E+22	8,627441E+21	5,371180E+21	2,427506E+21	5,853369E+20	3,216394E+19	3,215956E+19	5,852695E+20	2,427411E+21
-1303	5,371116E+21	8,627261E+21	1,101714E+22	1,101694E+22	8,626783E+21	5,370683E+21	2,427236E+21	5,852623E+20	3,217285E+19	3,218927E+19	5,854565E+20	2,427618E+21
-1302	5,371043E+21	8,626726E+21	1,101622E+22	1,101639E+22	8,626857E+21	5,371025E+21	2,427578E+21	5,854610E+20	3,220321E+19	3,219778E+19	5,853707E+20	2,427330E+21
-1301	5,370678E+21	8,626699E+21	1,101653E+22	1,101651E+22	8,626799E+21	5,370938E+21	2,427544E+21	5,854924E+20	3,222130E+19	3,222413E+19	5,855181E+20	2,427634E+21
-1300	5,371057E+21	8,626844E+21	1,101635E+22	1,101601E+22	8,626236E+21	5,370598E+21	2,427414E+21	5,854583E+20	3,222529E+19	3,223377E+19	5,855574E+20	2,427551E+21
-1299	5,370684E+21	8,626169E+21	1,101571E+22	1,101604E+22	8,626682E+21	5,371018E+21	2,427722E+21	5,856200E+20	3,224146E+19	3,223104E+19	5,854662E+20	2,427369E+21
-1298	5,370589E+21	8,626435E+21	1,101609E+22	1,101611E+22	8,626513E+21	5,370739E+21	2,427461E+21	5,855019E+20	3,223571E+19	3,224122E+19	5,856108E+20	2,427738E+21
-1297	5,370995E+21	8,626498E+21	1,101578E+22	1,101569E+22	8,626345E+21	5,370797E+21	2,427515E+21	5,854840E+20	3,222237E+19	3,222494E+19	5,854909E+20	2,427462E+21
-1296	5,370632E+21	8,626258E+21	1,101600E+22	1,101630E+22	8,626809E+21	5,371056E+21	2,427670E+21	5,855396E+20	3,221754E+19	3,220485E+19	5,853993E+20	2,427453E+21
-1295	5,371008E+21	8,627006E+21	1,101663E+22	1,101643E+22	8,626525E+21	5,370620E+21	2,427290E+21	5,853318E+20	3,219035E+19	3,220025E+19	5,854781E+20	2,427634E+21
-1294	5,371084E+21	8,626911E+21	1,101650E+22	1,101651E+22	8,626857E+21	5,370970E+21	2,427484E+21	5,853587E+20	3,217194E+19	3,216615E+19	5,852609E+20	2,427234E+21
-1293	5,370672E+21	8,626935E+21	1,101723E+22	1,101734E+22	8,627285E+21	5,371088E+21	2,427461E+21	5,853250E+20	3,216459E+19	3,215711E+19	5,852750E+20	2,427441E+21
-1292	5,371159E+21	8,627413E+21	1,101751E+22	1,101733E+22	8,627011E+21	5,370757E+21	2,427184E+21	5,851525E+20	3,213540E+19	3,214837E+19	5,852897E+20	2,427434E+21
-1291	5,371003E+21	8,627042E+21	1,101707E+22	1,101741E+22	8,627509E+21	5,371235E+21	2,427481E+21	5,852621E+20	3,213648E+19	3,212576E+19	5,851305E+20	2,427171E+21
-1290	5,370818E+21	8,627283E+21	1,101758E+22	1,101763E+22	8,627460E+21	5,371077E+21	2,427323E+21	5,851952E+20	3,213671E+19	3,214091E+19	5,852590E+20	2,427506E+21
-1289	5,371268E+21	8,627500E+21	1,101745E+22	1,101718E+22	8,627057E+21	5,370931E+21	2,427295E+21	5,851784E+20	3,213338E+19	3,214002E+19	5,852280E+20	2,427305E+21
-1288	5,370836E+21	8,626942E+21	1,101714E+22	1,101738E+22	8,627362E+21	5,371194E+21	2,427571E+21	5,853655E+20	3,216354E+19	3,214999E+19	5,852050E+20	2,427250E+21
-1287	5,370916E+21	8,627218E+21	1,101724E+22	1,101713E+22	8,626944E+21	5,370732E+21	2,427249E+21	5,852682E+20	3,217018E+19	3,218425E+19	5,854308E+20	2,427611E+21
-1286	5,371090E+21	8,626930E+21	1,101649E+22	1,101640E+22	8,626733E+21	5,370873E+21	2,427439E+21	5,853805E+20	3,219108E+19	3,219195E+19	5,853826E+20	2,427364E+21
-1285	5,370603E+21	8,626442E+21	1,101634E+22	1,101651E+22	8,626870E+21	5,371029E+21	2,427619E+21	5,855261E+20	3,222329E+19	3,222088E+19	5,854736E+20	2,427550E+21
-1284	5,370995E+21	8,626786E+21	1,101628E+22	1,101602E+22	8,626237E+21	5,370528E+21	2,427355E+21	5,854543E+20	3,223122E+19	3,224674E+19	5,856351E+20	2,427704E+21
-1283	5,370891E+21	8,626280E+21	1,101541E+22	1,101550E+22	8,626336E+21	5,370884E+21	2,427705E+21	5,856547E+20	3,226078E+19	3,225483E+19	5,855512E+20	2,427400E+21
-1282	5,370413E+21	8,626021E+21	1,101554E+22	1,101562E+22	8,626296E+21	5,370795E+21	2,427670E+21	5,856934E+20	3,228061E+19	3,228094E+19	5,856979E+20	2,427724E+21
-1281	5,370853E+21	8,626213E+21	1,101530E+22	1,101507E+22	8,625803E+21	5,370511E+21	2,427534E+21	5,856476E+20	3,228340E+19	3,229162E+19	5,857462E+20	2,427656E+21
-1280	5,370496E+21	8,625581E+21	1,101474E+22	1,101507E+22	8,626158E+21	5,370895E+21	2,427842E+21	5,858007E+20	3,229570E+19	3,228426E+19	5,856424E+20	2,427509E+21
-1279	5,370516E+21	8,625929E+21	1,101515E+22	1,101514E+22	8,625934E+21	5,370542E+21	2,427532E+21	5,856567E+20	3,228489E+19	3,229136E+19	5,857771E+20	2,427868E+21
-1278	5,370969E+21	8,626158E+21	1,101501E+22	1,101482E+22	8,625795E+21	5,370594E+21	2,427573E+21	5,856222E+20	3,226603E+19	3,227021E+19	5,856391E+20	2,427546E+21
-1277	5,370529E+21	8,625918E+21	1,101537E+22	1,101557E+22	8,626337E+21	5,370903E+21	2,427747E+21	5,856841E+20	3,226199E+19	3,224916E+19	5,855413E+20	2,427520E+21
-1276	5,370854E+21	8,626632E+21	1,101610E+22	1,101588E+22	8,626162E+21	5,370477E+21	2,427356E+21	5,854733E+20	3,223417E+19	3,224347E+19	5,856132E+20	2,427689E+21
-1275	5,370920E+21	8,626490E+21	1,101585E+22	1,101590E+22	8,626538E+21	5,370872E+21	2,427555E+21	5,854949E+20	3,221538E+19	3,221058E+19	5,854106E+20	2,427316E+21
-1274	5,370473E+21	8,626330E+21	1,101633E+22	1,101655E+22	8,626900E+21	5,371010E+21	2,427565E+21	5,854785E+20	3,221129E+19	3,220339E+19	5,854251E+20	2,427541E+21
-1273	5,371053E+21	8,626920E+21	1,101659E+22	1,101644E+22	8,626598E+21	5,370697E+21	2,427308E+21	5,853207E+20	3,218576E+19	3,219809E+19	5,854456E+20	2,427511E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1272	5,370862E+21	8,626596E+21	1,101625E+22	1,101650E+22	8,626974E+21	5,371112E+21	2,427618E+21	5,854506E+20	3,219073E+19	3,217724E+19	5,852905E+20	2,427263E+21
-1271	5,370696E+21	8,626798E+21	1,101673E+22	1,101670E+22	8,626855E+21	5,370858E+21	2,427411E+21	5,853786E+20	3,219296E+19	3,219711E+19	5,854384E+20	2,427601E+21
-1270	5,371118E+21	8,626990E+21	1,101656E+22	1,101627E+22	8,626482E+21	5,370698E+21	2,427362E+21	5,853536E+20	3,218951E+19	3,219810E+19	5,854246E+20	2,427417E+21
-1269	5,370647E+21	8,626354E+21	1,101620E+22	1,101647E+22	8,626848E+21	5,371026E+21	2,427650E+21	5,855411E+20	3,222090E+19	3,221028E+19	5,854125E+20	2,427398E+21
-1268	5,370773E+21	8,626675E+21	1,101635E+22	1,101624E+22	8,626430E+21	5,370573E+21	2,427339E+21	5,854435E+20	3,222637E+19	3,224222E+19	5,856249E+20	2,427749E+21
-1267	5,370993E+21	8,626451E+21	1,101559E+22	1,101547E+22	8,626218E+21	5,370737E+21	2,427549E+21	5,855611E+20	3,224746E+19	3,225012E+19	5,855755E+20	2,427481E+21
-1266	5,370446E+21	8,625863E+21	1,101534E+22	1,101550E+22	8,626320E+21	5,370908E+21	2,427764E+21	5,857315E+20	3,228361E+19	3,227950E+19	5,856563E+20	2,427642E+21
-1265	5,370836E+21	8,626251E+21	1,101530E+22	1,101502E+22	8,625712E+21	5,370424E+21	2,427513E+21	5,856758E+20	3,229612E+19	3,230862E+19	5,858239E+20	2,427767E+21
-1264	5,370634E+21	8,625658E+21	1,101447E+22	1,101455E+22	8,625786E+21	5,370739E+21	2,427854E+21	5,858765E+20	3,232551E+19	3,231669E+19	5,857490E+20	2,427518E+21
-1263	5,370227E+21	8,625335E+21	1,101445E+22	1,101458E+22	8,625701E+21	5,370587E+21	2,427753E+21	5,858827E+20	3,234102E+19	3,234199E+19	5,859023E+20	2,427867E+21
-1262	5,370732E+21	8,625631E+21	1,101424E+22	1,101400E+22	8,625186E+21	5,370305E+21	2,427608E+21	5,858106E+20	3,233616E+19	3,234709E+19	5,859365E+20	2,427798E+21
-1261	5,370407E+21	8,625108E+21	1,101384E+22	1,101412E+22	8,625598E+21	5,370723E+21	2,427921E+21	5,859540E+20	3,234442E+19	3,233437E+19	5,858091E+20	2,427626E+21
-1260	5,370447E+21	8,625606E+21	1,101451E+22	1,101438E+22	8,625428E+21	5,370372E+21	2,427609E+21	5,858059E+20	3,233061E+19	3,233592E+19	5,859129E+20	2,427927E+21
-1259	5,370858E+21	8,625852E+21	1,101447E+22	1,101420E+22	8,625385E+21	5,370454E+21	2,427650E+21	5,857660E+20	3,231017E+19	3,231372E+19	5,857736E+20	2,427583E+21
-1258	5,370307E+21	8,625395E+21	1,101465E+22	1,101494E+22	8,625993E+21	5,370806E+21	2,427841E+21	5,858385E+20	3,230856E+19	3,229359E+19	5,856789E+20	2,427573E+21
-1257	5,370670E+21	8,626108E+21	1,101527E+22	1,101517E+22	8,625880E+21	5,370452E+21	2,427468E+21	5,856315E+20	3,228240E+19	3,229083E+19	5,857619E+20	2,427752E+21
-1256	5,370727E+21	8,625959E+21	1,101504E+22	1,101512E+22	8,626138E+21	5,370808E+21	2,427680E+21	5,856581E+20	3,226350E+19	3,225759E+19	5,855664E+20	2,427438E+21
-1255	5,370390E+21	8,625802E+21	1,101540E+22	1,101564E+22	8,626382E+21	5,370855E+21	2,427651E+21	5,856337E+20	3,225952E+19	3,225291E+19	5,855885E+20	2,427651E+21
-1254	5,370981E+21	8,626510E+21	1,101575E+22	1,101551E+22	8,626015E+21	5,370511E+21	2,427392E+21	5,854763E+20	3,223379E+19	3,224813E+19	5,856139E+20	2,427609E+21
-1253	5,370735E+21	8,626167E+21	1,101550E+22	1,101564E+22	8,626401E+21	5,370916E+21	2,427700E+21	5,856184E+20	3,224333E+19	3,223091E+19	5,854699E+20	2,427365E+21
-1252	5,370538E+21	8,626338E+21	1,101601E+22	1,101593E+22	8,626343E+21	5,370657E+21	2,427480E+21	5,855483E+20	3,224695E+19	3,225215E+19	5,856209E+20	2,427712E+21
-1251	5,370980E+21	8,626496E+21	1,101573E+22	1,101544E+22	8,626011E+21	5,370540E+21	2,427433E+21	5,855197E+20	3,224442E+19	3,225515E+19	5,856199E+20	2,427548E+21
-1250	5,370483E+21	8,625718E+21	1,101515E+22	1,101548E+22	8,626335E+21	5,370907E+21	2,427767E+21	5,857271E+20	3,227873E+19	3,226831E+19	5,856014E+20	2,427525E+21
-1249	5,370672E+21	8,626146E+21	1,101531E+22	1,101523E+22	8,625944E+21	5,370496E+21	2,427494E+21	5,856523E+20	3,228849E+19	3,230247E+19	5,858101E+20	2,427832E+21
-1248	5,370819E+21	8,625938E+21	1,101469E+22	1,101448E+22	8,625634E+21	5,370608E+21	2,427716E+21	5,857860E+20	3,231223E+19	3,231142E+19	5,857639E+20	2,427578E+21
-1247	5,370265E+21	8,625234E+21	1,101432E+22	1,101448E+22	8,625694E+21	5,370705E+21	2,427884E+21	5,859452E+20	3,234818E+19	3,234302E+19	5,858566E+20	2,427729E+21
-1246	5,370619E+21	8,625624E+21	1,101428E+22	1,101402E+22	8,625107E+21	5,370219E+21	2,427611E+21	5,858692E+20	3,235682E+19	3,237078E+19	5,860323E+20	2,427884E+21
-1245	5,370422E+21	8,625011E+21	1,101344E+22	1,101354E+22	8,625207E+21	5,370565E+21	2,427944E+21	5,860547E+20	3,238280E+19	3,237635E+19	5,859533E+20	2,427662E+21
-1244	5,370094E+21	8,624805E+21	1,101354E+22	1,101364E+22	8,625143E+21	5,370413E+21	2,427835E+21	5,860450E+20	3,239275E+19	3,239473E+19	5,860787E+20	2,427996E+21
-1243	5,370669E+21	8,625227E+21	1,101342E+22	1,101314E+22	8,624681E+21	5,370149E+21	2,427686E+21	5,859623E+20	3,238407E+19	3,239597E+19	5,860962E+20	2,427893E+21
-1242	5,370288E+21	8,624656E+21	1,101303E+22	1,101329E+22	8,625115E+21	5,370593E+21	2,428026E+21	5,861183E+20	3,239335E+19	3,238115E+19	5,859528E+20	2,427692E+21
-1241	5,370320E+21	8,625202E+21	1,101379E+22	1,101367E+22	8,625048E+21	5,370285E+21	2,427733E+21	5,859845E+20	3,238302E+19	3,238497E+19	5,860590E+20	2,427964E+21
-1240	5,370630E+21	8,625351E+21	1,101378E+22	1,101355E+22	8,625008E+21	5,370355E+21	2,427764E+21	5,859399E+20	3,236162E+19	3,236287E+19	5,859322E+20	2,427682E+21
-1239	5,370152E+21	8,624809E+21	1,101374E+22	1,101413E+22	8,625557E+21	5,370672E+21	2,427914E+21	5,859887E+20	3,235728E+19	3,234365E+19	5,858474E+20	2,427686E+21
-1238	5,370559E+21	8,625617E+21	1,101437E+22	1,101428E+22	8,625372E+21	5,370311E+21	2,427546E+21	5,857686E+20	3,232665E+19	3,233839E+19	5,859249E+20	2,427866E+21
-1237	5,370638E+21	8,625535E+21	1,101423E+22	1,101425E+22	8,625611E+21	5,370660E+21	2,427762E+21	5,858003E+20	3,230832E+19	3,230436E+19	5,857241E+20	2,427544E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1236	5,370318E+21	8,625477E+21	1,101474E+22	1,101485E+22	8,625854E+21	5,370677E+21	2,427727E+21	5,857818E+20	3,230514E+19	3,229891E+19	5,857355E+20	2,427725E+21
-1235	5,370863E+21	8,626142E+21	1,101510E+22	1,101480E+22	8,625546E+21	5,370337E+21	2,427461E+21	5,856280E+20	3,228153E+19	3,229649E+19	5,857722E+20	2,427682E+21
-1234	5,370538E+21	8,625612E+21	1,101465E+22	1,101487E+22	8,625962E+21	5,370775E+21	2,427788E+21	5,857858E+20	3,229596E+19	3,228318E+19	5,856414E+20	2,427465E+21
-1233	5,370388E+21	8,625797E+21	1,101506E+22	1,101507E+22	8,625926E+21	5,370575E+21	2,427604E+21	5,857359E+20	3,230432E+19	3,230852E+19	5,858000E+20	2,427805E+21
-1232	5,370795E+21	8,625932E+21	1,101481E+22	1,101454E+22	8,625512E+21	5,370438E+21	2,427577E+21	5,857193E+20	3,230395E+19	3,231287E+19	5,858080E+20	2,427685E+21
-1231	5,370380E+21	8,625145E+21	1,101410E+22	1,101443E+22	8,625737E+21	5,370740E+21	2,427886E+21	5,859254E+20	3,233959E+19	3,232961E+19	5,857971E+20	2,427630E+21
-1230	5,370532E+21	8,625636E+21	1,101433E+22	1,101416E+22	8,625285E+21	5,370318E+21	2,427626E+21	5,858567E+20	3,235010E+19	3,236443E+19	5,860088E+20	2,427923E+21
-1229	5,370608E+21	8,625356E+21	1,101375E+22	1,101351E+22	8,625013E+21	5,370415E+21	2,427838E+21	5,859953E+20	3,237639E+19	3,237602E+19	5,859759E+20	2,427689E+21
-1228	5,370057E+21	8,624633E+21	1,101336E+22	1,101355E+22	8,625121E+21	5,370500E+21	2,427976E+21	5,861407E+20	3,240979E+19	3,240542E+19	5,860651E+20	2,427857E+21
-1227	5,370440E+21	8,625014E+21	1,101326E+22	1,101304E+22	8,624560E+21	5,370045E+21	2,427692E+21	5,860463E+20	3,241470E+19	3,243040E+19	5,862347E+20	2,428023E+21
-1226	5,370265E+21	8,624376E+21	1,101235E+22	1,101250E+22	8,624632E+21	5,370411E+21	2,428049E+21	5,862338E+20	3,243875E+19	3,243232E+19	5,861362E+20	2,427791E+21
-1225	5,370015E+21	8,624342E+21	1,101258E+22	1,101268E+22	8,624632E+21	5,370297E+21	2,427968E+21	5,862362E+20	3,244944E+19	3,244848E+19	5,862412E+20	2,428066E+21
-1224	5,370516E+21	8,624808E+21	1,101268E+22	1,101234E+22	8,624183E+21	5,370022E+21	2,427820E+21	5,861535E+20	3,243937E+19	3,244771E+19	5,862546E+20	2,427979E+21
-1223	5,370142E+21	8,624155E+21	1,101221E+22	1,101251E+22	8,624628E+21	5,370421E+21	2,428110E+21	5,862877E+20	3,244600E+19	3,243332E+19	5,861178E+20	2,427766E+21
-1222	5,370143E+21	8,624710E+21	1,101297E+22	1,101290E+22	8,624600E+21	5,370151E+21	2,427815E+21	5,861347E+20	3,243089E+19	3,243478E+19	5,862262E+20	2,428060E+21
-1221	5,370456E+21	8,624829E+21	1,101297E+22	1,101280E+22	8,624579E+21	5,370237E+21	2,427839E+21	5,860760E+20	3,240597E+19	3,241037E+19	5,860972E+20	2,427801E+21
-1220	5,370057E+21	8,624392E+21	1,101298E+22	1,101336E+22	8,625107E+21	5,370536E+21	2,427982E+21	5,861158E+20	3,239807E+19	3,238652E+19	5,859938E+20	2,427792E+21
-1219	5,370494E+21	8,625273E+21	1,101366E+22	1,101353E+22	8,624927E+21	5,370177E+21	2,427614E+21	5,858962E+20	3,236688E+19	3,237998E+19	5,860604E+20	2,427940E+21
-1218	5,370515E+21	8,625124E+21	1,101347E+22	1,101345E+22	8,625122E+21	5,370524E+21	2,427861E+21	5,859546E+20	3,235392E+19	3,234807E+19	5,858612E+20	2,427608E+21
-1217	5,370184E+21	8,625069E+21	1,101400E+22	1,101413E+22	8,625437E+21	5,370560E+21	2,427848E+21	5,859645E+20	3,235839E+19	3,234895E+19	5,858875E+20	2,427776E+21
-1216	5,370645E+21	8,625630E+21	1,101433E+22	1,101408E+22	8,625120E+21	5,370210E+21	2,427575E+21	5,858157E+20	3,233780E+19	3,235043E+19	5,859501E+20	2,427809E+21
-1215	5,370389E+21	8,624996E+21	1,101362E+22	1,101393E+22	8,625443E+21	5,370609E+21	2,427872E+21	5,859612E+20	3,235300E+19	3,234161E+19	5,858357E+20	2,427598E+21
-1214	5,370273E+21	8,625272E+21	1,101406E+22	1,101406E+22	8,625334E+21	5,370418E+21	2,427713E+21	5,859128E+20	3,236017E+19	3,236692E+19	5,859934E+20	2,427928E+21
-1213	5,370668E+21	8,625434E+21	1,101388E+22	1,101356E+22	8,624908E+21	5,370266E+21	2,427692E+21	5,859090E+20	3,236288E+19	3,237285E+19	5,860020E+20	2,427791E+21
-1212	5,370239E+21	8,624702E+21	1,101325E+22	1,101349E+22	8,625137E+21	5,370551E+21	2,427998E+21	5,861200E+20	3,239908E+19	3,238943E+19	5,859875E+20	2,427716E+21
-1211	5,370327E+21	8,625094E+21	1,101344E+22	1,101328E+22	8,624747E+21	5,370134E+21	2,427723E+21	5,860493E+20	3,241031E+19	3,242478E+19	5,862030E+20	2,428009E+21
-1210	5,370352E+21	8,624649E+21	1,101265E+22	1,101253E+22	8,624485E+21	5,370265E+21	2,427952E+21	5,861934E+20	3,243783E+19	3,243749E+19	5,861799E+20	2,427818E+21
-1209	5,369886E+21	8,623993E+21	1,101223E+22	1,101253E+22	8,624612E+21	5,370384E+21	2,428112E+21	5,863451E+20	3,247184E+19	3,246630E+19	5,862623E+20	2,427978E+21
-1208	5,370270E+21	8,624425E+21	1,101224E+22	1,101205E+22	8,624004E+21	5,369909E+21	2,427829E+21	5,862464E+20	3,247450E+19	3,248856E+19	5,864270E+20	2,428180E+21
-1207	5,370190E+21	8,623852E+21	1,101131E+22	1,101145E+22	8,624017E+21	5,370220E+21	2,428146E+21	5,864164E+20	3,249575E+19	3,248977E+19	5,863203E+20	2,427903E+21
-1206	5,369917E+21	8,623945E+21	1,101175E+22	1,101173E+22	8,624010E+21	5,370113E+21	2,428077E+21	5,864150E+20	3,250412E+19	3,250328E+19	5,864164E+20	2,428150E+21
-1205	5,370340E+21	8,624342E+21	1,101194E+22	1,101159E+22	8,623688E+21	5,369848E+21	2,427910E+21	5,863259E+20	3,249311E+19	3,250215E+19	5,864314E+20	2,428071E+21
-1204	5,369981E+21	8,623705E+21	1,101146E+22	1,101179E+22	8,624206E+21	5,370266E+21	2,428173E+21	5,864363E+20	3,249420E+19	3,248307E+19	5,862860E+20	2,427872E+21
-1203	5,369997E+21	8,624224E+21	1,101216E+22	1,101215E+22	8,624205E+21	5,370037E+21	2,427880E+21	5,862668E+20	3,247428E+19	3,247970E+19	5,863742E+20	2,428152E+21
-1202	5,370316E+21	8,624319E+21	1,101209E+22	1,101198E+22	8,624147E+21	5,370137E+21	2,427938E+21	5,862174E+20	3,244862E+19	3,245292E+19	5,862343E+20	2,427893E+21
-1201	5,369984E+21	8,624016E+21	1,101218E+22	1,101256E+22	8,624674E+21	5,370440E+21	2,428106E+21	5,862808E+20	3,244518E+19	3,242998E+19	5,861209E+20	2,427830E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1200	5,370314E+21	8,624861E+21	1,101298E+22	1,101283E+22	8,624481E+21	5,370058E+21	2,427739E+21	5,860719E+20	3,241655E+19	3,242581E+19	5,862016E+20	2,428016E+21
-1199	5,370351E+21	8,624622E+21	1,101266E+22	1,101268E+22	8,624639E+21	5,370336E+21	2,427932E+21	5,861189E+20	3,240589E+19	3,239968E+19	5,860276E+20	2,427692E+21
-1198	5,370015E+21	8,624577E+21	1,101315E+22	1,101328E+22	8,624928E+21	5,370399E+21	2,427931E+21	5,861260E+20	3,241029E+19	3,240302E+19	5,860693E+20	2,427890E+21
-1197	5,370479E+21	8,625093E+21	1,101344E+22	1,101324E+22	8,624637E+21	5,370067E+21	2,427662E+21	5,859780E+20	3,239043E+19	3,240579E+19	5,861384E+20	2,427946E+21
-1196	5,370303E+21	8,624565E+21	1,101275E+22	1,101304E+22	8,624922E+21	5,370443E+21	2,427954E+21	5,861217E+20	3,240478E+19	3,239613E+19	5,860190E+20	2,427724E+21
-1195	5,370174E+21	8,624838E+21	1,101320E+22	1,101316E+22	8,624815E+21	5,370266E+21	2,427809E+21	5,860833E+20	3,241337E+19	3,242122E+19	5,861651E+20	2,428009E+21
-1194	5,370481E+21	8,624894E+21	1,101295E+22	1,101263E+22	8,624356E+21	5,370117E+21	2,427825E+21	5,861084E+20	3,242230E+19	3,243104E+19	5,861871E+20	2,427881E+21
-1193	5,370044E+21	8,624125E+21	1,101226E+22	1,101258E+22	8,624631E+21	5,370411E+21	2,428146E+21	5,863425E+20	3,246463E+19	3,245239E+19	5,861850E+20	2,427803E+21
-1192	5,370059E+21	8,624410E+21	1,101240E+22	1,101234E+22	8,624234E+21	5,369998E+21	2,427862E+21	5,862679E+20	3,247623E+19	3,248887E+19	5,864173E+20	2,428171E+21
-1191	5,370191E+21	8,623946E+21	1,101143E+22	1,101137E+22	8,623845E+21	5,370068E+21	2,428052E+21	5,863921E+20	3,250158E+19	3,250264E+19	5,863975E+20	2,427978E+21
-1190	5,369791E+21	8,623464E+21	1,101115E+22	1,101136E+22	8,623909E+21	5,370185E+21	2,428226E+21	5,865361E+20	3,253163E+19	3,252768E+19	5,864647E+20	2,428116E+21
-1189	5,370163E+21	8,623962E+21	1,101133E+22	1,101106E+22	8,623380E+21	5,369713E+21	2,427936E+21	5,864363E+20	3,253326E+19	3,254759E+19	5,866145E+20	2,428285E+21
-1188	5,370077E+21	8,623481E+21	1,101057E+22	1,101061E+22	8,623464E+21	5,370018E+21	2,428229E+21	5,865895E+20	3,254997E+19	3,254462E+19	5,864950E+20	2,427988E+21
-1187	5,369748E+21	8,623495E+21	1,101104E+22	1,101103E+22	8,623588E+21	5,369957E+21	2,428147E+21	5,865740E+20	3,255479E+19	3,255375E+19	5,865751E+20	2,428215E+21
-1186	5,370116E+21	8,623757E+21	1,101106E+22	1,101083E+22	8,623312E+21	5,369757E+21	2,428010E+21	5,864837E+20	3,254175E+19	3,255056E+19	5,865877E+20	2,428160E+21
-1185	5,369821E+21	8,623177E+21	1,101057E+22	1,101102E+22	8,623850E+21	5,370208E+21	2,428299E+21	5,865997E+20	3,254222E+19	3,252891E+19	5,864300E+20	2,427947E+21
-1184	5,369824E+21	8,623719E+21	1,101135E+22	1,101138E+22	8,623804E+21	5,369957E+21	2,428003E+21	5,864284E+20	3,252082E+19	3,252388E+19	5,865156E+20	2,428254E+21
-1183	5,370211E+21	8,623843E+21	1,101119E+22	1,101106E+22	8,623624E+21	5,369979E+21	2,428026E+21	5,863725E+20	3,249560E+19	3,249945E+19	5,863817E+20	2,427973E+21
-1182	5,369873E+21	8,623650E+21	1,101145E+22	1,101170E+22	8,624103E+21	5,370260E+21	2,428199E+21	5,864394E+20	3,249366E+19	3,247870E+19	5,862792E+20	2,427914E+21
-1181	5,370147E+21	8,624403E+21	1,101227E+22	1,101210E+22	8,624005E+21	5,369871E+21	2,427811E+21	5,862331E+20	3,246748E+19	3,247813E+19	5,863757E+20	2,428125E+21
-1180	5,370228E+21	8,624201E+21	1,101190E+22	1,101191E+22	8,624185E+21	5,370154E+21	2,427974E+21	5,862611E+20	3,245469E+19	3,245162E+19	5,862084E+20	2,427830E+21
-1179	5,369917E+21	8,624130E+21	1,101233E+22	1,101247E+22	8,624480E+21	5,370248E+21	2,427983E+21	5,862651E+20	3,245750E+19	3,245282E+19	5,862328E+20	2,427998E+21
-1178	5,370358E+21	8,624594E+21	1,101253E+22	1,101235E+22	8,624163E+21	5,369949E+21	2,427769E+21	5,861422E+20	3,244085E+19	3,245647E+19	5,862999E+20	2,428043E+21
-1177	5,370198E+21	8,624132E+21	1,101189E+22	1,101217E+22	8,624449E+21	5,370337E+21	2,428101E+21	5,863202E+20	3,246220E+19	3,245055E+19	5,861820E+20	2,427780E+21
-1176	5,369942E+21	8,624291E+21	1,101236E+22	1,101233E+22	8,624330E+21	5,370147E+21	2,427964E+21	5,862975E+20	3,247475E+19	3,247945E+19	5,863472E+20	2,428100E+21
-1175	5,370250E+21	8,624220E+21	1,101188E+22	1,101162E+22	8,623796E+21	5,369937E+21	2,427939E+21	5,863170E+20	3,248683E+19	3,249539E+19	5,863977E+20	2,428000E+21
-1174	5,369845E+21	8,623500E+21	1,101117E+22	1,101146E+22	8,623987E+21	5,370235E+21	2,428264E+21	5,865436E+20	3,252808E+19	3,251798E+19	5,864060E+20	2,427954E+21
-1173	5,369884E+21	8,623762E+21	1,101131E+22	1,101126E+22	8,623609E+21	5,369811E+21	2,427971E+21	5,864653E+20	3,253877E+19	3,255330E+19	5,866328E+20	2,428331E+21
-1172	5,370117E+21	8,623483E+21	1,101044E+22	1,101031E+22	8,623206E+21	5,369848E+21	2,428133E+21	5,865723E+20	3,255977E+19	3,256319E+19	5,865990E+20	2,428121E+21
-1171	5,369711E+21	8,623045E+21	1,101028E+22	1,101040E+22	8,623325E+21	5,369987E+21	2,428308E+21	5,867139E+20	3,258744E+19	3,258303E+19	5,866354E+20	2,428192E+21
-1170	5,369983E+21	8,623458E+21	1,101050E+22	1,101021E+22	8,622875E+21	5,369568E+21	2,428061E+21	5,866310E+20	3,259120E+19	3,260331E+19	5,867869E+20	2,428361E+21
-1169	5,369882E+21	8,622948E+21	1,100974E+22	1,100987E+22	8,623064E+21	5,369904E+21	2,428360E+21	5,867902E+20	3,260910E+19	3,260056E+19	5,866670E+20	2,428054E+21
-1168	5,369485E+21	8,622848E+21	1,101013E+22	1,101026E+22	8,623217E+21	5,369885E+21	2,428277E+21	5,867602E+20	3,261036E+19	3,260703E+19	5,867488E+20	2,428331E+21
-1167	5,369945E+21	8,623115E+21	1,101000E+22	1,100985E+22	8,622817E+21	5,369631E+21	2,428106E+21	5,866467E+20	3,259318E+19	3,260285E+19	5,867590E+20	2,428276E+21
-1166	5,369725E+21	8,622729E+21	1,100966E+22	1,100999E+22	8,623253E+21	5,370058E+21	2,428400E+21	5,867548E+20	3,259022E+19	3,257785E+19	5,865897E+20	2,428048E+21
-1165	5,369712E+21	8,623291E+21	1,101057E+22	1,101052E+22	8,623272E+21	5,369790E+21	2,428091E+21	5,865847E+20	3,256875E+19	3,257201E+19	5,866667E+20	2,428334E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1164	5,370119E+21	8,623522E+21	1,101055E+22	1,101032E+22	8,623118E+21	5,369770E+21	2,428072E+21	5,865122E+20	3,254088E+19	3,254631E+19	5,865373E+20	2,428064E+21
-1163	5,369751E+21	8,623261E+21	1,101081E+22	1,101105E+22	8,623692E+21	5,370076E+21	2,428228E+21	5,865692E+20	3,253744E+19	3,252374E+19	5,864265E+20	2,427995E+21
-1162	5,369986E+21	8,623902E+21	1,101149E+22	1,101139E+22	8,623638E+21	5,369770E+21	2,427891E+21	5,863748E+20	3,251241E+19	3,252441E+19	5,865306E+20	2,428233E+21
-1161	5,370123E+21	8,623743E+21	1,101112E+22	1,101119E+22	8,623818E+21	5,370073E+21	2,428085E+21	5,864205E+20	3,250299E+19	3,249897E+19	5,863594E+20	2,427917E+21
-1160	5,369774E+21	8,623654E+21	1,101153E+22	1,101170E+22	8,624087E+21	5,370180E+21	2,428117E+21	5,864389E+20	3,250817E+19	3,250201E+19	5,863877E+20	2,428090E+21
-1159	5,370221E+21	8,624084E+21	1,101159E+22	1,101138E+22	8,623625E+21	5,369811E+21	2,427891E+21	5,863300E+20	3,249721E+19	3,251172E+19	5,864718E+20	2,428120E+21
-1158	5,370026E+21	8,623650E+21	1,101103E+22	1,101117E+22	8,623822E+21	5,370169E+21	2,428237E+21	5,865252E+20	3,252387E+19	3,251195E+19	5,863802E+20	2,427879E+21
-1157	5,369712E+21	8,623637E+21	1,101138E+22	1,101139E+22	8,623777E+21	5,369963E+21	2,428076E+21	5,865069E+20	3,253958E+19	3,254504E+19	5,865629E+20	2,428231E+21
-1156	5,370086E+21	8,623625E+21	1,101082E+22	1,101057E+22	8,623196E+21	5,369727E+21	2,428016E+21	5,865054E+20	3,254885E+19	3,256032E+19	5,866228E+20	2,428175E+21
-1155	5,369741E+21	8,622945E+21	1,101014E+22	1,101039E+22	8,623363E+21	5,370018E+21	2,428332E+21	5,867199E+20	3,258627E+19	3,257817E+19	5,866037E+20	2,428091E+21
-1154	5,369772E+21	8,623216E+21	1,101029E+22	1,101019E+22	8,622996E+21	5,369641E+21	2,428090E+21	5,866594E+20	3,259813E+19	3,261194E+19	5,868183E+20	2,428439E+21
-1153	5,369997E+21	8,623013E+21	1,100958E+22	1,100941E+22	8,622670E+21	5,369701E+21	2,428273E+21	5,867831E+20	3,262188E+19	3,262188E+19	5,867731E+20	2,428180E+21
-1152	5,369484E+21	8,622502E+21	1,100948E+22	1,100963E+22	8,622875E+21	5,369866E+21	2,428445E+21	5,869225E+20	3,264894E+19	3,264137E+19	5,868162E+20	2,428272E+21
-1151	5,369746E+21	8,622790E+21	1,100946E+22	1,100928E+22	8,622401E+21	5,369434E+21	2,428173E+21	5,868266E+20	3,265197E+19	3,266331E+19	5,869788E+20	2,428460E+21
-1150	5,369683E+21	8,622351E+21	1,100875E+22	1,100887E+22	8,622534E+21	5,369792E+21	2,428478E+21	5,869666E+20	3,266462E+19	3,265797E+19	5,868604E+20	2,428187E+21
-1149	5,369324E+21	8,622231E+21	1,100915E+22	1,100933E+22	8,622706E+21	5,369748E+21	2,428379E+21	5,869248E+20	3,266199E+19	3,266015E+19	5,869242E+20	2,428453E+21
-1148	5,369881E+21	8,622707E+21	1,100913E+22	1,100892E+22	8,622262E+21	5,369447E+21	2,428169E+21	5,867868E+20	3,263845E+19	3,265092E+19	5,869220E+20	2,428395E+21
-1147	5,369671E+21	8,622407E+21	1,100897E+22	1,100916E+22	8,622706E+21	5,369854E+21	2,428444E+21	5,868868E+20	3,263268E+19	3,262056E+19	5,867246E+20	2,428112E+21
-1146	5,369581E+21	8,622890E+21	1,100990E+22	1,100981E+22	8,622815E+21	5,369638E+21	2,428174E+21	5,867344E+20	3,261419E+19	3,261667E+19	5,868090E+20	2,428407E+21
-1145	5,369981E+21	8,623092E+21	1,100990E+22	1,100974E+22	8,622777E+21	5,369652E+21	2,428159E+21	5,866710E+20	3,258929E+19	3,259267E+19	5,866846E+20	2,428139E+21
-1144	5,369578E+21	8,622760E+21	1,101007E+22	1,101040E+22	8,623373E+21	5,370006E+21	2,428325E+21	5,867240E+20	3,258535E+19	3,257075E+19	5,865817E+20	2,428104E+21
-1143	5,369861E+21	8,623365E+21	1,101055E+22	1,101050E+22	8,623191E+21	5,369668E+21	2,427994E+21	5,865352E+20	3,256212E+19	3,257421E+19	5,866889E+20	2,428329E+21
-1142	5,370027E+21	8,623332E+21	1,101029E+22	1,101023E+22	8,623261E+21	5,369953E+21	2,428209E+21	5,865929E+20	3,255549E+19	3,255156E+19	5,865266E+20	2,428003E+21
-1141	5,369613E+21	8,623142E+21	1,101071E+22	1,101083E+22	8,623558E+21	5,370036E+21	2,428242E+21	5,866294E+20	3,256513E+19	3,255857E+19	5,865613E+20	2,428157E+21
-1140	5,370050E+21	8,623609E+21	1,101076E+22	1,101050E+22	8,623070E+21	5,369613E+21	2,427976E+21	5,865128E+20	3,255504E+19	3,257093E+19	5,866681E+20	2,428229E+21
-1139	5,369846E+21	8,623088E+21	1,101011E+22	1,101024E+22	8,623272E+21	5,369963E+21	2,428301E+21	5,867013E+20	3,258139E+19	3,257060E+19	5,865734E+20	2,427991E+21
-1138	5,369520E+21	8,622981E+21	1,101032E+22	1,101039E+22	8,623243E+21	5,369825E+21	2,428188E+21	5,866945E+20	3,259832E+19	3,260493E+19	5,867637E+20	2,428374E+21
-1137	5,369968E+21	8,623045E+21	1,100982E+22	1,100961E+22	8,622652E+21	5,369574E+21	2,428139E+21	5,867053E+20	3,261001E+19	3,262024E+19	5,868156E+20	2,428296E+21
-1136	5,369602E+21	8,622394E+21	1,100917E+22	1,100943E+22	8,622828E+21	5,369882E+21	2,428462E+21	5,869215E+20	3,264705E+19	3,263766E+19	5,867930E+20	2,428204E+21
-1135	5,369621E+21	8,622654E+21	1,100927E+22	1,100913E+22	8,622386E+21	5,369476E+21	2,428222E+21	5,868714E+20	3,266229E+19	3,267438E+19	5,870131E+20	2,428531E+21
-1134	5,369814E+21	8,622493E+21	1,100869E+22	1,100840E+22	8,622047E+21	5,369533E+21	2,428408E+21	5,869964E+20	3,268730E+19	3,268730E+19	5,869832E+20	2,428287E+21
-1133	5,369252E+21	8,621830E+21	1,100848E+22	1,100872E+22	8,622376E+21	5,369719E+21	2,428561E+21	5,871248E+20	3,271231E+19	3,270538E+19	5,870240E+20	2,428391E+21
-1132	5,369591E+21	8,622222E+21	1,100844E+22	1,100828E+22	8,621859E+21	5,369269E+21	2,428250E+21	5,869949E+20	3,270769E+19	3,272193E+19	5,871794E+20	2,428611E+21
-1131	5,369590E+21	8,621849E+21	1,100782E+22	1,100789E+22	8,621958E+21	5,369604E+21	2,428537E+21	5,871125E+20	3,271227E+19	3,270724E+19	5,870213E+20	2,428294E+21
-1130	5,369229E+21	8,621764E+21	1,100827E+22	1,100842E+22	8,622177E+21	5,369608E+21	2,428479E+21	5,870792E+20	3,270847E+19	3,270592E+19	5,870688E+20	2,428532E+21
-1129	5,369774E+21	8,622317E+21	1,100847E+22	1,100822E+22	8,621804E+21	5,369305E+21	2,428273E+21	5,869509E+20	3,268606E+19	3,269540E+19	5,870552E+20	2,428439E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1128	5,369495E+21	8,621978E+21	1,100836E+22	1,100858E+22	8,622345E+21	5,369738E+21	2,428536E+21	5,870434E+20	3,267972E+19	3,266539E+19	5,868675E+20	2,428181E+21
-1127	5,369403E+21	8,622370E+21	1,100908E+22	1,100905E+22	8,622420E+21	5,369528E+21	2,428261E+21	5,868910E+20	3,266299E+19	3,266481E+19	5,869643E+20	2,428493E+21
-1126	5,369837E+21	8,622638E+21	1,100913E+22	1,100892E+22	8,622331E+21	5,369564E+21	2,428260E+21	5,868229E+20	3,263762E+19	3,264216E+19	5,868501E+20	2,428251E+21
-1125	5,369454E+21	8,622251E+21	1,100924E+22	1,100962E+22	8,622949E+21	5,369903E+21	2,428426E+21	5,868803E+20	3,263419E+19	3,262057E+19	5,867406E+20	2,428198E+21
-1124	5,369788E+21	8,622981E+21	1,100973E+22	1,100963E+22	8,622686E+21	5,369521E+21	2,428075E+21	5,866867E+20	3,261004E+19	3,262394E+19	5,868509E+20	2,428423E+21
-1123	5,369921E+21	8,622946E+21	1,100956E+22	1,100939E+22	8,622708E+21	5,369762E+21	2,428283E+21	5,867515E+20	3,260521E+19	3,260128E+19	5,866849E+20	2,428075E+21
-1122	5,369433E+21	8,622600E+21	1,100985E+22	1,101000E+22	8,623047E+21	5,369879E+21	2,428352E+21	5,868132E+20	3,262079E+19	3,261426E+19	5,867431E+20	2,428250E+21
-1121	5,369845E+21	8,622994E+21	1,100986E+22	1,100969E+22	8,622604E+21	5,369471E+21	2,428087E+21	5,867078E+20	3,261499E+19	3,262973E+19	5,868619E+20	2,428348E+21
-1120	5,369665E+21	8,622469E+21	1,100912E+22	1,100932E+22	8,622774E+21	5,369830E+21	2,428407E+21	5,868883E+20	3,264087E+19	3,263077E+19	5,867761E+20	2,428139E+21
-1119	5,369398E+21	8,622368E+21	1,100916E+22	1,100922E+22	8,622599E+21	5,369656E+21	2,428307E+21	5,868935E+20	3,266021E+19	3,266682E+19	5,869627E+20	2,428501E+21
-1118	5,369867E+21	8,622574E+21	1,100884E+22	1,100848E+22	8,621973E+21	5,369403E+21	2,428271E+21	5,869132E+20	3,267434E+19	3,268425E+19	5,870181E+20	2,428405E+21
-1117	5,369437E+21	8,621844E+21	1,100825E+22	1,100847E+22	8,622236E+21	5,369704E+21	2,428591E+21	5,871359E+20	3,271268E+19	3,270278E+19	5,869931E+20	2,428290E+21
-1116	5,369444E+21	8,622124E+21	1,100833E+22	1,100818E+22	8,621816E+21	5,369283E+21	2,428320E+21	5,870700E+20	3,272540E+19	3,273857E+19	5,872238E+20	2,428647E+21
-1115	5,369624E+21	8,621907E+21	1,100775E+22	1,100748E+22	8,621509E+21	5,369349E+21	2,428485E+21	5,871730E+20	3,274473E+19	3,274633E+19	5,871777E+20	2,428402E+21
-1114	5,369068E+21	8,621184E+21	1,100744E+22	1,100777E+22	8,621873E+21	5,369605E+21	2,428678E+21	5,872998E+20	3,276656E+19	3,276072E+19	5,872090E+20	2,428511E+21
-1113	5,369450E+21	8,621668E+21	1,100753E+22	1,100742E+22	8,621373E+21	5,369150E+21	2,428371E+21	5,871705E+20	3,276014E+19	3,277263E+19	5,873396E+20	2,428704E+21
-1112	5,369464E+21	8,621384E+21	1,100699E+22	1,100705E+22	8,621477E+21	5,369483E+21	2,428648E+21	5,872789E+20	3,276153E+19	3,275488E+19	5,871720E+20	2,428373E+21
-1111	5,369090E+21	8,621298E+21	1,100741E+22	1,100751E+22	8,621625E+21	5,369457E+21	2,428592E+21	5,872570E+20	3,276085E+19	3,275535E+19	5,872210E+20	2,428597E+21
-1110	5,369614E+21	8,621893E+21	1,100774E+22	1,100743E+22	8,621306E+21	5,369158E+21	2,428376E+21	5,871261E+20	3,273973E+19	3,274814E+19	5,872259E+20	2,428532E+21
-1109	5,369312E+21	8,621430E+21	1,100755E+22	1,100788E+22	8,621958E+21	5,369612E+21	2,428618E+21	5,872053E+20	3,273178E+19	3,271800E+19	5,870396E+20	2,428293E+21
-1108	5,369311E+21	8,621932E+21	1,100824E+22	1,100823E+22	8,621966E+21	5,369392E+21	2,428324E+21	5,870303E+20	3,270989E+19	3,271471E+19	5,871354E+20	2,428626E+21
-1107	5,369776E+21	8,622252E+21	1,100836E+22	1,100810E+22	8,621820E+21	5,369391E+21	2,428313E+21	5,869524E+20	3,268034E+19	3,268629E+19	5,869918E+20	2,428335E+21
-1106	5,369355E+21	8,621836E+21	1,100846E+22	1,100880E+22	8,622478E+21	5,369788E+21	2,428531E+21	5,870322E+20	3,268007E+19	3,266644E+19	5,868842E+20	2,428256E+21
-1105	5,369624E+21	8,622547E+21	1,100906E+22	1,100895E+22	8,622243E+21	5,369389E+21	2,428187E+21	5,868597E+20	3,266098E+19	3,267245E+19	5,869973E+20	2,428468E+21
-1104	5,369704E+21	8,622413E+21	1,100878E+22	1,100868E+22	8,622294E+21	5,369635E+21	2,428386E+21	5,869266E+20	3,265879E+19	3,265407E+19	5,868586E+20	2,428166E+21
-1103	5,369226E+21	8,621964E+21	1,100880E+22	1,100903E+22	8,622534E+21	5,369748E+21	2,428465E+21	5,869999E+20	3,267855E+19	3,267225E+19	5,869354E+20	2,428374E+21
-1102	5,369694E+21	8,622435E+21	1,100885E+22	1,100864E+22	8,622013E+21	5,369333E+21	2,428209E+21	5,868988E+20	3,267514E+19	3,269104E+19	5,870683E+20	2,428497E+21
-1101	5,369541E+21	8,621889E+21	1,100809E+22	1,100831E+22	8,622191E+21	5,369662E+21	2,428519E+21	5,870812E+20	3,270188E+19	3,269295E+19	5,869751E+20	2,428268E+21
-1100	5,369329E+21	8,621940E+21	1,100819E+22	1,100815E+22	8,621944E+21	5,369449E+21	2,428403E+21	5,870837E+20	3,272058E+19	3,272859E+19	5,871628E+20	2,428619E+21
-1099	5,369738E+21	8,622126E+21	1,100800E+22	1,100753E+22	8,621328E+21	5,369167E+21	2,428358E+21	5,871057E+20	3,273498E+19	3,274470E+19	5,872083E+20	2,428493E+21
-1098	5,369230E+21	8,621250E+21	1,100730E+22	1,100758E+22	8,621718E+21	5,369550E+21	2,428715E+21	5,873413E+20	3,277559E+19	3,276594E+19	5,871985E+20	2,428393E+21
-1097	5,369206E+21	8,621463E+21	1,100738E+22	1,100735E+22	8,621359E+21	5,369164E+21	2,428450E+21	5,872756E+20	3,278822E+19	3,279969E+19	5,874205E+20	2,428761E+21
-1096	5,369428E+21	8,621262E+21	1,100672E+22	1,100656E+22	8,621033E+21	5,369246E+21	2,428611E+21	5,873604E+20	3,280250E+19	3,280443E+19	5,873703E+20	2,428532E+21
-1095	5,368928E+21	8,620577E+21	1,100630E+22	1,100665E+22	8,621262E+21	5,369463E+21	2,428809E+21	5,874907E+20	3,282364E+19	3,281627E+19	5,873854E+20	2,428614E+21
-1094	5,369319E+21	8,621209E+21	1,100661E+22	1,100639E+22	8,620758E+21	5,368999E+21	2,428497E+21	5,873603E+20	3,281723E+19	3,282803E+19	5,875118E+20	2,428792E+21
-1093	5,369298E+21	8,620893E+21	1,100618E+22	1,100623E+22	8,620958E+21	5,369306E+21	2,428745E+21	5,874584E+20	3,281690E+19	3,280918E+19	5,873390E+20	2,428453E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1092	5,368961E+21	8,620871E+21	1,100661E+22	1,100670E+22	8,621127E+21	5,369266E+21	2,428654E+21	5,874142E+20	3,281208E+19	3,280752E+19	5,873950E+20	2,428708E+21
-1091	5,369483E+21	8,621453E+21	1,100700E+22	1,100670E+22	8,620865E+21	5,368985E+21	2,428419E+21	5,872588E+20	3,278430E+19	3,279465E+19	5,873812E+20	2,428641E+21
-1090	5,369201E+21	8,620968E+21	1,100675E+22	1,100714E+22	8,621559E+21	5,369509E+21	2,428700E+21	5,873384E+20	3,277447E+19	3,276265E+19	5,871901E+20	2,428395E+21
-1089	5,369200E+21	8,621505E+21	1,100753E+22	1,100757E+22	8,621585E+21	5,369300E+21	2,428425E+21	5,871742E+20	3,275299E+19	3,275673E+19	5,872640E+20	2,428689E+21
-1088	5,369653E+21	8,621868E+21	1,100768E+22	1,100741E+22	8,621426E+21	5,369297E+21	2,428416E+21	5,870988E+20	3,272414E+19	3,272969E+19	5,871287E+20	2,428393E+21
-1087	5,369191E+21	8,621371E+21	1,100760E+22	1,100794E+22	8,621957E+21	5,369652E+21	2,428652E+21	5,872094E+20	3,273206E+19	3,271636E+19	5,870400E+20	2,428318E+21
-1086	5,369414E+21	8,622031E+21	1,100822E+22	1,100810E+22	8,621749E+21	5,369255E+21	2,428302E+21	5,870492E+20	3,271881E+19	3,272960E+19	5,871833E+20	2,428574E+21
-1085	5,369503E+21	8,621790E+21	1,100780E+22	1,100781E+22	8,621812E+21	5,369485E+21	2,428484E+21	5,871129E+20	3,271846E+19	3,271439E+19	5,870577E+20	2,428308E+21
-1084	5,369137E+21	8,621455E+21	1,100776E+22	1,100797E+22	8,621913E+21	5,369549E+21	2,428547E+21	5,871755E+20	3,273604E+19	3,273254E+19	5,871396E+20	2,428533E+21
-1083	5,369623E+21	8,621989E+21	1,100792E+22	1,100762E+22	8,621361E+21	5,369098E+21	2,428283E+21	5,870716E+20	3,273069E+19	3,274762E+19	5,872502E+20	2,428611E+21
-1082	5,369426E+21	8,621422E+21	1,100719E+22	1,100735E+22	8,621605E+21	5,369489E+21	2,428635E+21	5,872723E+20	3,276080E+19	3,275240E+19	5,871624E+20	2,428353E+21
-1081	5,369127E+21	8,621420E+21	1,100740E+22	1,100737E+22	8,621438E+21	5,369295E+21	2,428535E+21	5,872939E+20	3,278343E+19	3,278888E+19	5,873463E+20	2,428686E+21
-1080	5,369492E+21	8,621512E+21	1,100708E+22	1,100673E+22	8,620895E+21	5,369048E+21	2,428485E+21	5,873101E+20	3,279818E+19	3,280752E+19	5,874118E+20	2,428593E+21
-1079	5,368985E+21	8,620538E+21	1,100612E+22	1,100651E+22	8,621183E+21	5,369443E+21	2,428862E+21	5,875537E+20	3,284002E+19	3,282988E+19	5,874081E+20	2,428522E+21
-1078	5,369009E+21	8,620814E+21	1,100626E+22	1,100625E+22	8,620782E+21	5,369049E+21	2,428596E+21	5,874845E+20	3,285207E+19	3,286304E+19	5,876266E+20	2,428899E+21
-1077	5,369275E+21	8,620635E+21	1,100561E+22	1,100551E+22	8,620456E+21	5,369090E+21	2,428737E+21	5,875571E+20	3,286274E+19	3,286462E+19	5,875613E+20	2,428659E+21
-1076	5,368859E+21	8,620148E+21	1,100533E+22	1,100556E+22	8,620595E+21	5,369246E+21	2,428899E+21	5,876689E+20	3,287948E+19	3,287264E+19	5,875702E+20	2,428733E+21
-1075	5,369209E+21	8,620808E+21	1,100585E+22	1,100551E+22	8,620134E+21	5,368745E+21	2,428559E+21	5,875242E+20	3,286921E+19	3,287995E+19	5,876774E+20	2,428883E+21
-1074	5,369140E+21	8,620412E+21	1,100540E+22	1,100549E+22	8,620513E+21	5,369143E+21	2,428817E+21	5,876148E+20	3,286723E+19	3,286084E+19	5,875109E+20	2,428559E+21
-1073	5,368801E+21	8,620395E+21	1,100590E+22	1,100606E+22	8,620764E+21	5,369151E+21	2,428731E+21	5,875639E+20	3,285992E+19	3,285471E+19	5,875469E+20	2,428808E+21
-1072	5,369367E+21	8,621000E+21	1,100623E+22	1,100601E+22	8,620515E+21	5,368902E+21	2,428506E+21	5,873951E+20	3,282749E+19	3,283867E+19	5,875229E+20	2,428726E+21
-1071	5,369090E+21	8,620528E+21	1,100588E+22	1,100627E+22	8,621097E+21	5,369413E+21	2,428816E+21	5,874930E+20	3,281996E+19	3,280643E+19	5,873244E+20	2,428457E+21
-1070	5,369052E+21	8,621107E+21	1,100679E+22	1,100675E+22	8,621118E+21	5,369200E+21	2,428550E+21	5,873457E+20	3,280305E+19	3,280451E+19	5,874049E+20	2,428731E+21
-1069	5,369439E+21	8,621356E+21	1,100691E+22	1,100669E+22	8,620994E+21	5,369162E+21	2,428524E+21	5,872739E+20	3,277689E+19	3,278124E+19	5,872878E+20	2,428467E+21
-1068	5,369037E+21	8,620890E+21	1,100673E+22	1,100706E+22	8,621444E+21	5,369470E+21	2,428725E+21	5,873736E+20	3,278509E+19	3,277111E+19	5,872258E+20	2,428445E+21
-1067	5,369268E+21	8,621521E+21	1,100734E+22	1,100722E+22	8,621209E+21	5,369053E+21	2,428363E+21	5,872022E+20	3,276921E+19	3,278252E+19	5,873629E+20	2,428711E+21
-1066	5,369394E+21	8,621277E+21	1,100687E+22	1,100690E+22	8,621298E+21	5,369327E+21	2,428569E+21	5,872735E+20	3,277063E+19	3,276923E+19	5,872439E+20	2,428445E+21
-1065	5,369033E+21	8,621004E+21	1,100694E+22	1,100712E+22	8,621401E+21	5,369389E+21	2,428649E+21	5,873531E+20	3,279061E+19	3,278647E+19	5,873078E+20	2,428628E+21
-1064	5,369495E+21	8,621549E+21	1,100711E+22	1,100678E+22	8,620867E+21	5,368959E+21	2,428402E+21	5,872599E+20	3,278826E+19	3,280451E+19	5,874287E+20	2,428690E+21
-1063	5,369223E+21	8,620861E+21	1,100621E+22	1,100638E+22	8,621033E+21	5,369335E+21	2,428782E+21	5,874922E+20	3,282612E+19	3,281599E+19	5,873633E+20	2,428446E+21
-1062	5,368873E+21	8,620761E+21	1,100637E+22	1,100640E+22	8,620929E+21	5,369175E+21	2,428685E+21	5,875234E+20	3,285330E+19	3,285760E+19	5,875664E+20	2,428808E+21
-1061	5,369252E+21	8,620775E+21	1,100592E+22	1,100570E+22	8,620380E+21	5,368923E+21	2,428622E+21	5,875275E+20	3,286646E+19	3,287635E+19	5,876369E+20	2,428756E+21
-1060	5,368883E+21	8,619948E+21	1,100492E+22	1,100527E+22	8,620492E+21	5,369246E+21	2,428969E+21	5,877494E+20	3,290257E+19	3,289451E+19	5,876245E+20	2,428686E+21
-1059	5,368915E+21	8,620303E+21	1,100524E+22	1,100513E+22	8,620076E+21	5,368801E+21	2,428681E+21	5,876644E+20	3,290875E+19	3,292005E+19	5,878079E+20	2,429013E+21
-1058	5,369159E+21	8,620170E+21	1,100472E+22	1,100454E+22	8,619840E+21	5,368879E+21	2,428827E+21	5,877353E+20	3,291814E+19	3,292051E+19	5,877385E+20	2,428748E+21
-1057	5,368681E+21	8,619682E+21	1,100462E+22	1,100483E+22	8,620092E+21	5,369053E+21	2,428986E+21	5,878459E+20	3,293354E+19	3,292434E+19	5,877299E+20	2,428806E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1056	5,369026E+21	8,620315E+21	1,100510E+22	1,100485E+22	8,619779E+21	5,368631E+21	2,428644E+21	5,876819E+20	3,291930E+19	3,293027E+19	5,878405E+20	2,428969E+21
-1055	5,368962E+21	8,619876E+21	1,100450E+22	1,100465E+22	8,620090E+21	5,369055E+21	2,428927E+21	5,877763E+20	3,291665E+19	3,290986E+19	5,876703E+20	2,428658E+21
-1054	5,368657E+21	8,619910E+21	1,100507E+22	1,100525E+22	8,620366E+21	5,369088E+21	2,428853E+21	5,877281E+20	3,290951E+19	3,290288E+19	5,876946E+20	2,428887E+21
-1053	5,369226E+21	8,620517E+21	1,100540E+22	1,100523E+22	8,620119E+21	5,368814E+21	2,428619E+21	5,875562E+20	3,287575E+19	3,288583E+19	5,876640E+20	2,428798E+21
-1052	5,369000E+21	8,620159E+21	1,100508E+22	1,100536E+22	8,620548E+21	5,369245E+21	2,428904E+21	5,876501E+20	3,286823E+19	3,285455E+19	5,874795E+20	2,428539E+21
-1051	5,368894E+21	8,620663E+21	1,100607E+22	1,100598E+22	8,620587E+21	5,368980E+21	2,428616E+21	5,875006E+20	3,285136E+19	3,285322E+19	5,875614E+20	2,428814E+21
-1050	5,369255E+21	8,620821E+21	1,100608E+22	1,100592E+22	8,620558E+21	5,369002E+21	2,428594E+21	5,874306E+20	3,282753E+19	3,283428E+19	5,874710E+20	2,428595E+21
-1049	5,368887E+21	8,620380E+21	1,100594E+22	1,100628E+22	8,620992E+21	5,369320E+21	2,428800E+21	5,875318E+20	3,283623E+19	3,282312E+19	5,873999E+20	2,428580E+21
-1048	5,369183E+21	8,621058E+21	1,100649E+22	1,100637E+22	8,620744E+21	5,368925E+21	2,428453E+21	5,873590E+20	3,281947E+19	3,283454E+19	5,875331E+20	2,428822E+21
-1047	5,369292E+21	8,620816E+21	1,100593E+22	1,100589E+22	8,620728E+21	5,369181E+21	2,428690E+21	5,874591E+20	3,282693E+19	3,282445E+19	5,874163E+20	2,428534E+21
-1046	5,368880E+21	8,620541E+21	1,100609E+22	1,100620E+22	8,620878E+21	5,369259E+21	2,428786E+21	5,875629E+20	3,285356E+19	3,284715E+19	5,874885E+20	2,428694E+21
-1045	5,369258E+21	8,620930E+21	1,100616E+22	1,100592E+22	8,620400E+21	5,368826E+21	2,428540E+21	5,874786E+20	3,285472E+19	3,286917E+19	5,876286E+20	2,428790E+21
-1044	5,369036E+21	8,620250E+21	1,100514E+22	1,100532E+22	8,620455E+21	5,369164E+21	2,428896E+21	5,876992E+20	3,289168E+19	3,288324E+19	5,875896E+20	2,428600E+21
-1043	5,368693E+21	8,620110E+21	1,100530E+22	1,100533E+22	8,620298E+21	5,368970E+21	2,428786E+21	5,877154E+20	3,291422E+19	3,292045E+19	5,877753E+20	2,428952E+21
-1042	5,369101E+21	8,620147E+21	1,100482E+22	1,100462E+22	8,619778E+21	5,368753E+21	2,428733E+21	5,877160E+20	3,292584E+19	3,293811E+19	5,878440E+20	2,428900E+21
-1041	5,368759E+21	8,619453E+21	1,100401E+22	1,100427E+22	8,619879E+21	5,369051E+21	2,429070E+21	5,879345E+20	3,295955E+19	3,295075E+19	5,878015E+20	2,428791E+21
-1040	5,368793E+21	8,619850E+21	1,100440E+22	1,100421E+22	8,619514E+21	5,368627E+21	2,428784E+21	5,878460E+20	3,296489E+19	3,297504E+19	5,879777E+20	2,429083E+21
-1039	5,368968E+21	8,619639E+21	1,100383E+22	1,100364E+22	8,619294E+21	5,368709E+21	2,428943E+21	5,879315E+20	3,297722E+19	3,297746E+19	5,879175E+20	2,428836E+21
-1038	5,368480E+21	8,619122E+21	1,100375E+22	1,100402E+22	8,619680E+21	5,368940E+21	2,429097E+21	5,880394E+20	3,299351E+19	3,298214E+19	5,879108E+20	2,428904E+21
-1037	5,368836E+21	8,619707E+21	1,100416E+22	1,100403E+22	8,619402E+21	5,368554E+21	2,428761E+21	5,878606E+20	3,297493E+19	3,298526E+19	5,880146E+20	2,429090E+21
-1036	5,368887E+21	8,619419E+21	1,100358E+22	1,100368E+22	8,619556E+21	5,368911E+21	2,429018E+21	5,879317E+20	3,296601E+19	3,296059E+19	5,878380E+20	2,428775E+21
-1035	5,368565E+21	8,619496E+21	1,100429E+22	1,100439E+22	8,619816E+21	5,368902E+21	2,428929E+21	5,878717E+20	3,295423E+19	3,294807E+19	5,878335E+20	2,428949E+21
-1034	5,369081E+21	8,620092E+21	1,100468E+22	1,100448E+22	8,619655E+21	5,368665E+21	2,428699E+21	5,877029E+20	3,292131E+19	3,293268E+19	5,878138E+20	2,428863E+21
-1033	5,368818E+21	8,619728E+21	1,100446E+22	1,100470E+22	8,620117E+21	5,369083E+21	2,428971E+21	5,877982E+20	3,291469E+19	3,290044E+19	5,876283E+20	2,428621E+21
-1032	5,368741E+21	8,620175E+21	1,100532E+22	1,100529E+22	8,620228E+21	5,368870E+21	2,428687E+21	5,876416E+20	3,289733E+19	3,290099E+19	5,877207E+20	2,428913E+21
-1031	5,369114E+21	8,620294E+21	1,100518E+22	1,100504E+22	8,620088E+21	5,368887E+21	2,428695E+21	5,875903E+20	3,287723E+19	3,288442E+19	5,876407E+20	2,428723E+21
-1030	5,368791E+21	8,619901E+21	1,100506E+22	1,100542E+22	8,620537E+21	5,369209E+21	2,428910E+21	5,877067E+20	3,289020E+19	3,287633E+19	5,875663E+20	2,428681E+21
-1029	5,369070E+21	8,620583E+21	1,100562E+22	1,100549E+22	8,620276E+21	5,368816E+21	2,428581E+21	5,875469E+20	3,287596E+19	3,288982E+19	5,877024E+20	2,428918E+21
-1028	5,369198E+21	8,620400E+21	1,100507E+22	1,100487E+22	8,620093E+21	5,368986E+21	2,428798E+21	5,876526E+20	3,288705E+19	3,288453E+19	5,876091E+20	2,428635E+21
-1027	5,368691E+21	8,619991E+21	1,100521E+22	1,100530E+22	8,620287E+21	5,369040E+21	2,428884E+21	5,877589E+20	3,291475E+19	3,290909E+19	5,876857E+20	2,428789E+21
-1026	5,369034E+21	8,620274E+21	1,100514E+22	1,100497E+22	8,619894E+21	5,368671E+21	2,428643E+21	5,876770E+20	3,291849E+19	3,293511E+19	5,878501E+20	2,428931E+21
-1025	5,368844E+21	8,619621E+21	1,100413E+22	1,100429E+22	8,619877E+21	5,368999E+21	2,429005E+21	5,878953E+20	3,295373E+19	3,294592E+19	5,877960E+20	2,428749E+21
-1024	5,368577E+21	8,619521E+21	1,100424E+22	1,100428E+22	8,619724E+21	5,368818E+21	2,428900E+21	5,879037E+20	3,297333E+19	3,298014E+19	5,879652E+20	2,429058E+21
-1023	5,368952E+21	8,619586E+21	1,100376E+22	1,100348E+22	8,619112E+21	5,368575E+21	2,428870E+21	5,879256E+20	3,298825E+19	3,299826E+19	5,880309E+20	2,428993E+21
-1022	5,368581E+21	8,618918E+21	1,100309E+22	1,100331E+22	8,619309E+21	5,368882E+21	2,429198E+21	5,881507E+20	3,302473E+19	3,301258E+19	5,879855E+20	2,428859E+21
-1021	5,368564E+21	8,619237E+21	1,100347E+22	1,100336E+22	8,619050E+21	5,368493E+21	2,428910E+21	5,880558E+20	3,302907E+19	3,303677E+19	5,881694E+20	2,429188E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1020	5,368809E+21	8,619078E+21	1,100286E+22	1,100266E+22	8,618756E+21	5,368547E+21	2,429034E+21	5,881131E+20	3,303608E+19	3,303791E+19	5,881202E+20	2,428978E+21
-1019	5,368344E+21	8,618577E+21	1,100285E+22	1,100313E+22	8,619155E+21	5,368771E+21	2,429178E+21	5,881965E+20	3,304457E+19	3,303519E+19	5,880852E+20	2,429022E+21
-1018	5,368726E+21	8,619207E+21	1,100327E+22	1,100318E+22	8,618953E+21	5,368437E+21	2,428851E+21	5,880097E+20	3,302250E+19	3,303522E+19	5,881791E+20	2,429194E+21
-1017	5,368777E+21	8,619039E+21	1,100291E+22	1,100290E+22	8,619074E+21	5,368771E+21	2,429100E+21	5,880754E+20	3,301010E+19	3,300452E+19	5,879774E+20	2,428854E+21
-1016	5,368456E+21	8,619100E+21	1,100363E+22	1,100368E+22	8,619373E+21	5,368770E+21	2,429013E+21	5,880139E+20	3,299828E+19	3,299204E+19	5,879701E+20	2,428991E+21
-1015	5,368880E+21	8,619583E+21	1,100390E+22	1,100371E+22	8,619199E+21	5,368529E+21	2,428799E+21	5,878660E+20	3,297026E+19	3,298073E+19	5,879717E+20	2,428953E+21
-1014	5,368654E+21	8,619213E+21	1,100364E+22	1,100395E+22	8,619735E+21	5,368975E+21	2,429060E+21	5,879646E+20	3,296736E+19	3,295201E+19	5,877947E+20	2,428729E+21
-1013	5,368614E+21	8,619641E+21	1,100441E+22	1,100445E+22	8,619814E+21	5,368786E+21	2,428798E+21	5,878101E+20	3,294948E+19	3,295269E+19	5,878869E+20	2,429041E+21
-1012	5,369080E+21	8,619888E+21	1,100429E+22	1,100406E+22	8,619504E+21	5,368715E+21	2,428781E+21	5,877527E+20	3,292890E+19	3,293674E+19	5,878128E+20	2,428843E+21
-1011	5,368717E+21	8,619515E+21	1,100430E+22	1,100453E+22	8,619933E+21	5,368993E+21	2,428991E+21	5,878706E+20	3,294178E+19	3,292835E+19	5,877253E+20	2,428745E+21
-1010	5,368897E+21	8,620098E+21	1,100482E+22	1,100468E+22	8,619777E+21	5,368659E+21	2,428683E+21	5,877283E+20	3,293226E+19	3,294681E+19	5,878822E+20	2,428987E+21
-1009	5,368970E+21	8,619872E+21	1,100431E+22	1,100409E+22	8,619612E+21	5,368824E+21	2,428892E+21	5,878373E+20	3,294542E+19	3,294304E+19	5,877998E+20	2,428741E+21
-1008	5,368501E+21	8,619367E+21	1,100425E+22	1,100441E+22	8,619829E+21	5,368927E+21	2,428992E+21	5,879409E+20	3,297312E+19	3,296931E+19	5,878819E+20	2,428892E+21
-1007	5,368820E+21	8,619590E+21	1,100402E+22	1,100390E+22	8,619323E+21	5,368550E+21	2,428786E+21	5,878814E+20	3,298069E+19	3,299701E+19	5,880545E+20	2,429070E+21
-1006	5,368703E+21	8,619009E+21	1,100304E+22	1,100322E+22	8,619304E+21	5,368856E+21	2,429140E+21	5,881093E+20	3,301900E+19	3,300941E+19	5,879926E+20	2,428859E+21
-1005	5,368427E+21	8,618938E+21	1,100317E+22	1,100320E+22	8,619127E+21	5,368674E+21	2,429048E+21	5,881231E+20	3,303895E+19	3,304317E+19	5,881597E+20	2,429168E+21
-1004	5,368824E+21	8,619071E+21	1,100277E+22	1,100237E+22	8,618400E+21	5,368337E+21	2,428978E+21	5,881368E+20	3,305409E+19	3,306364E+19	5,882430E+20	2,429118E+21
-1003	5,368407E+21	8,618348E+21	1,100217E+22	1,100238E+22	8,618689E+21	5,368636E+21	2,429276E+21	5,883414E+20	3,308649E+19	3,307588E+19	5,881921E+20	2,428982E+21
-1002	5,368384E+21	8,618631E+21	1,100249E+22	1,100246E+22	8,618574E+21	5,368354E+21	2,429002E+21	5,882356E+20	3,308840E+19	3,309881E+19	5,883795E+20	2,429333E+21
-1001	5,368675E+21	8,618580E+21	1,100202E+22	1,100178E+22	8,618251E+21	5,368405E+21	2,429119E+21	5,882726E+20	3,308814E+19	3,309181E+19	5,882988E+20	2,429113E+21
-1000	5,368279E+21	8,618137E+21	1,100201E+22	1,100229E+22	8,618689E+21	5,368656E+21	2,429268E+21	5,883423E+20	3,309107E+19	3,308246E+19	5,882310E+20	2,429081E+21
-999	5,368576E+21	8,618759E+21	1,100245E+22	1,100231E+22	8,618445E+21	5,368318E+21	2,428971E+21	5,881756E+20	3,307090E+19	3,308135E+19	5,883181E+20	2,429246E+21
-998	5,368599E+21	8,618567E+21	1,100216E+22	1,100218E+22	8,618652E+21	5,368649E+21	2,429210E+21	5,882487E+20	3,306138E+19	3,305233E+19	5,881182E+20	2,428897E+21
-997	5,368250E+21	8,618556E+21	1,100281E+22	1,100297E+22	8,619008E+21	5,368685E+21	2,429127E+21	5,881855E+20	3,304977E+19	3,304130E+19	5,881269E+20	2,429085E+21
-996	5,368750E+21	8,619087E+21	1,100303E+22	1,100282E+22	8,618684E+21	5,368376E+21	2,428879E+21	5,880216E+20	3,302007E+19	3,303173E+19	5,881469E+20	2,429087E+21
-995	5,368559E+21	8,618750E+21	1,100283E+22	1,100312E+22	8,619199E+21	5,368789E+21	2,429124E+21	5,881047E+20	3,301380E+19	3,300071E+19	5,879563E+20	2,428843E+21
-994	5,368538E+21	8,619225E+21	1,100360E+22	1,100363E+22	8,619343E+21	5,368646E+21	2,428878E+21	5,879593E+20	3,299748E+19	3,300298E+19	5,880504E+20	2,429136E+21
-993	5,368976E+21	8,619553E+21	1,100364E+22	1,100326E+22	8,618982E+21	5,368546E+21	2,428861E+21	5,879089E+20	3,297828E+19	3,298584E+19	5,879673E+20	2,428923E+21
-992	5,368585E+21	8,619088E+21	1,100358E+22	1,100379E+22	8,619469E+21	5,368849E+21	2,429085E+21	5,880380E+20	3,299459E+19	3,298137E+19	5,878880E+20	2,428789E+21
-991	5,368640E+21	8,619482E+21	1,100390E+22	1,100383E+22	8,619303E+21	5,368534E+21	2,428813E+21	5,879289E+20	3,299289E+19	3,300626E+19	5,880740E+20	2,429089E+21
-990	5,368747E+21	8,619191E+21	1,100325E+22	1,100318E+22	8,619157E+21	5,368720E+21	2,429026E+21	5,880485E+20	3,301113E+19	3,300757E+19	5,880074E+20	2,428870E+21
-989	5,368329E+21	8,618686E+21	1,100307E+22	1,100333E+22	8,619292E+21	5,368832E+21	2,429148E+21	5,881548E+20	3,303827E+19	3,303400E+19	5,880921E+20	2,429044E+21
-988	5,368723E+21	8,619023E+21	1,100287E+22	1,100265E+22	8,618581E+21	5,368337E+21	2,428906E+21	5,880891E+20	3,304561E+19	3,306235E+19	5,882688E+20	2,429216E+21
-987	5,368591E+21	8,618503E+21	1,100206E+22	1,100212E+22	8,618554E+21	5,368588E+21	2,429232E+21	5,883056E+20	3,308171E+19	3,307326E+19	5,881934E+20	2,428963E+21
-986	5,368259E+21	8,618395E+21	1,100222E+22	1,100223E+22	8,618516E+21	5,368462E+21	2,429146E+21	5,883239E+20	3,310289E+19	3,310817E+19	5,883697E+20	2,429275E+21
-985	5,368627E+21	8,618550E+21	1,100194E+22	1,100151E+22	8,617862E+21	5,368143E+21	2,429059E+21	5,883223E+20	3,311464E+19	3,312523E+19	5,884463E+20	2,429253E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-984	5,368267E+21	8,617801E+21	1,100126E+22	1,100153E+22	8,618233E+21	5,368512E+21	2,429366E+21	5,885077E+20	3,314138E+19	3,313298E+19	5,883775E+20	2,429084E+21
-983	5,368203E+21	8,618043E+21	1,100151E+22	1,100153E+22	8,618088E+21	5,368265E+21	2,429139E+21	5,884172E+20	3,314300E+19	3,315254E+19	5,885524E+20	2,429444E+21
-982	5,368548E+21	8,618068E+21	1,100111E+22	1,100094E+22	8,617819E+21	5,368317E+21	2,429250E+21	5,884539E+20	3,314205E+19	3,314342E+19	5,884529E+20	2,429183E+21
-981	5,368134E+21	8,617656E+21	1,100113E+22	1,100142E+22	8,618225E+21	5,368573E+21	2,429412E+21	5,885254E+20	3,314389E+19	3,313161E+19	5,883790E+20	2,429143E+21
-980	5,368409E+21	8,618279E+21	1,100161E+22	1,100142E+22	8,617868E+21	5,368130E+21	2,429069E+21	5,883506E+20	3,312396E+19	3,313297E+19	5,884835E+20	2,429334E+21
-979	5,368425E+21	8,618062E+21	1,100136E+22	1,100140E+22	8,618117E+21	5,368428E+21	2,429266E+21	5,884014E+20	3,311134E+19	3,310363E+19	5,882881E+20	2,429004E+21
-978	5,368104E+21	8,618035E+21	1,100192E+22	1,100215E+22	8,618560E+21	5,368544E+21	2,429197E+21	5,883341E+20	3,309913E+19	3,309321E+19	5,883047E+20	2,429216E+21
-977	5,368660E+21	8,618704E+21	1,100230E+22	1,100203E+22	8,618199E+21	5,368218E+21	2,428939E+21	5,881568E+20	3,306492E+19	3,307851E+19	5,883047E+20	2,429217E+21
-976	5,368532E+21	8,618423E+21	1,100212E+22	1,100236E+22	8,618737E+21	5,368643E+21	2,429188E+21	5,882362E+20	3,305740E+19	3,304555E+19	5,880932E+20	2,428895E+21
-975	5,368385E+21	8,618814E+21	1,100286E+22	1,100285E+22	8,618867E+21	5,368527E+21	2,428997E+21	5,881285E+20	3,304748E+19	3,305118E+19	5,881949E+20	2,429186E+21
-974	5,368777E+21	8,619051E+21	1,100288E+22	1,100259E+22	8,618595E+21	5,368432E+21	2,428978E+21	5,880971E+20	3,303546E+19	3,304013E+19	5,881296E+20	2,428976E+21
-973	5,368353E+21	8,618472E+21	1,100262E+22	1,100297E+22	8,619078E+21	5,368780E+21	2,429227E+21	5,882367E+20	3,305476E+19	3,304039E+19	5,880791E+20	2,428902E+21
-972	5,368446E+21	8,618840E+21	1,100281E+22	1,100277E+22	8,618716E+21	5,368382E+21	2,428932E+21	5,881246E+20	3,305444E+19	3,306905E+19	5,882861E+20	2,429245E+21
-971	5,368615E+21	8,618591E+21	1,100219E+22	1,100211E+22	8,618488E+21	5,368506E+21	2,429127E+21	5,882341E+20	3,307095E+19	3,307019E+19	5,882167E+20	2,429021E+21
-970	5,368228E+21	8,618151E+21	1,100200E+22	1,100223E+22	8,618648E+21	5,368645E+21	2,429259E+21	5,883490E+20	3,309953E+19	3,309759E+19	5,883012E+20	2,429174E+21
-969	5,368601E+21	8,618604E+21	1,100201E+22	1,100162E+22	8,617892E+21	5,368104E+21	2,428999E+21	5,882817E+20	3,310669E+19	3,312366E+19	5,884670E+20	2,429339E+21
-968	5,368458E+21	8,618026E+21	1,100120E+22	1,100122E+22	8,617968E+21	5,368372E+21	2,429314E+21	5,884928E+20	3,314270E+19	3,313519E+19	5,883867E+20	2,429044E+21
-967	5,368025E+21	8,617773E+21	1,100124E+22	1,100132E+22	8,618001E+21	5,368313E+21	2,429270E+21	5,885335E+20	3,316753E+19	3,317151E+19	5,885742E+20	2,429398E+21
-966	5,368434E+21	8,617896E+21	1,100089E+22	1,100063E+22	8,617434E+21	5,368046E+21	2,429195E+21	5,885322E+20	3,317976E+19	3,318827E+19	5,886418E+20	2,429368E+21
-965	5,368109E+21	8,617200E+21	1,100020E+22	1,100056E+22	8,617770E+21	5,368450E+21	2,429529E+21	5,887116E+20	3,320189E+19	3,319141E+19	5,885617E+20	2,429200E+21
-964	5,368068E+21	8,617518E+21	1,100051E+22	1,100046E+22	8,617450E+21	5,368098E+21	2,429269E+21	5,886115E+20	3,320119E+19	3,320870E+19	5,887254E+20	2,429531E+21
-963	5,368383E+21	8,617569E+21	1,100025E+22	1,100002E+22	8,617194E+21	5,368106E+21	2,429347E+21	5,886276E+20	3,319563E+19	3,319708E+19	5,886174E+20	2,429250E+21
-962	5,367940E+21	8,617136E+21	1,100026E+22	1,100059E+22	8,617728E+21	5,368401E+21	2,429496E+21	5,886920E+20	3,319671E+19	3,318522E+19	5,885543E+20	2,429231E+21
-961	5,368222E+21	8,617815E+21	1,100085E+22	1,100064E+22	8,617396E+21	5,367953E+21	2,429121E+21	5,884942E+20	3,317187E+19	3,318258E+19	5,886524E+20	2,429465E+21
-960	5,368331E+21	8,617624E+21	1,100059E+22	1,100066E+22	8,617698E+21	5,368285E+21	2,429310E+21	5,885236E+20	3,315412E+19	3,314920E+19	5,884391E+20	2,429104E+21
-959	5,367992E+21	8,617597E+21	1,100113E+22	1,100137E+22	8,618121E+21	5,368430E+21	2,429293E+21	5,884808E+20	3,314410E+19	3,313796E+19	5,884496E+20	2,429320E+21
-958	5,368579E+21	8,618307E+21	1,100155E+22	1,100134E+22	8,617829E+21	5,368122E+21	2,429047E+21	5,883170E+20	3,311306E+19	3,312430E+19	5,884389E+20	2,429275E+21
-957	5,368404E+21	8,618031E+21	1,100138E+22	1,100162E+22	8,618328E+21	5,368567E+21	2,429324E+21	5,884115E+20	3,310867E+19	3,309424E+19	5,882430E+20	2,428960E+21
-956	5,368191E+21	8,618313E+21	1,100204E+22	1,100200E+22	8,618333E+21	5,368359E+21	2,429108E+21	5,883137E+20	3,310378E+19	3,310678E+19	5,883716E+20	2,429275E+21
-955	5,368569E+21	8,618471E+21	1,100197E+22	1,100174E+22	8,618073E+21	5,368250E+21	2,429066E+21	5,882732E+20	3,309284E+19	3,309994E+19	5,883290E+20	2,429106E+21
-954	5,368192E+21	8,617872E+21	1,100155E+22	1,100197E+22	8,618551E+21	5,368641E+21	2,429331E+21	5,884195E+20	3,311409E+19	3,310304E+19	5,882922E+20	2,429056E+21
-953	5,368330E+21	8,618352E+21	1,100185E+22	1,100173E+22	8,618090E+21	5,368186E+21	2,429022E+21	5,883014E+20	3,311155E+19	3,312806E+19	5,884830E+20	2,429401E+21
-952	5,368555E+21	8,618160E+21	1,100127E+22	1,100111E+22	8,617860E+21	5,368288E+21	2,429206E+21	5,884089E+20	3,312779E+19	3,312791E+19	5,883953E+20	2,429103E+21
-951	5,368046E+21	8,617637E+21	1,100109E+22	1,100125E+22	8,618027E+21	5,368453E+21	2,429388E+21	5,885581E+20	3,316194E+19	3,315783E+19	5,884867E+20	2,429260E+21
-950	5,368387E+21	8,618011E+21	1,100109E+22	1,100080E+22	8,617425E+21	5,367953E+21	2,429130E+21	5,885023E+20	3,317405E+19	3,318763E+19	5,886607E+20	2,429423E+21
-949	5,368231E+21	8,617392E+21	1,100017E+22	1,100030E+22	8,617518E+21	5,368288E+21	2,429467E+21	5,887103E+20	3,320914E+19	3,320035E+19	5,885965E+20	2,429172E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-948	5,367819E+21	8,617104E+21	1,100013E+22	1,100024E+22	8,617414E+21	5,368170E+21	2,429409E+21	5,887441E+20	3,323275E+19	3,323630E+19	5,887840E+20	2,429539E+21
-947	5,368287E+21	8,617298E+21	1,099984E+22	1,099961E+22	8,616829E+21	5,367868E+21	2,429309E+21	5,887214E+20	3,323995E+19	3,325029E+19	5,888406E+20	2,429492E+21
-946	5,367979E+21	8,616670E+21	1,099916E+22	1,099951E+22	8,617192E+21	5,368297E+21	2,429645E+21	5,888976E+20	3,325954E+19	3,325010E+19	5,887503E+20	2,429300E+21
-945	5,367907E+21	8,617082E+21	1,099970E+22	1,099953E+22	8,616844E+21	5,367891E+21	2,429353E+21	5,887813E+20	3,325463E+19	3,326199E+19	5,888962E+20	2,429632E+21
-944	5,368238E+21	8,617102E+21	1,099947E+22	1,099923E+22	8,616681E+21	5,367894E+21	2,429398E+21	5,887783E+20	3,324529E+19	3,324806E+19	5,887799E+20	2,429327E+21
-943	5,367739E+21	8,616588E+21	1,099940E+22	1,099978E+22	8,617272E+21	5,368257E+21	2,429582E+21	5,888531E+20	3,324723E+19	3,323551E+19	5,887229E+20	2,429358E+21
-942	5,368103E+21	8,617300E+21	1,099999E+22	1,099990E+22	8,617034E+21	5,367859E+21	2,429217E+21	5,886529E+20	3,322182E+19	3,323151E+19	5,888058E+20	2,429573E+21
-941	5,368258E+21	8,617221E+21	1,099978E+22	1,099986E+22	8,617298E+21	5,368214E+21	2,429426E+21	5,886789E+20	3,320136E+19	3,319536E+19	5,885859E+20	2,429204E+21
-940	5,367906E+21	8,617222E+21	1,100036E+22	1,100050E+22	8,617589E+21	5,368273E+21	2,429393E+21	5,886432E+20	3,319328E+19	3,318543E+19	5,885919E+20	2,429386E+21
-939	5,368437E+21	8,617900E+21	1,100086E+22	1,100060E+22	8,617324E+21	5,367944E+21	2,429133E+21	5,884763E+20	3,316291E+19	3,317443E+19	5,885904E+20	2,429328E+21
-938	5,368207E+21	8,617534E+21	1,100057E+22	1,100085E+22	8,617902E+21	5,368433E+21	2,429420E+21	5,885819E+20	3,316237E+19	3,314910E+19	5,884225E+20	2,429047E+21
-937	5,367983E+21	8,617798E+21	1,100121E+22	1,100117E+22	8,617859E+21	5,368207E+21	2,429188E+21	5,884755E+20	3,315632E+19	3,316147E+19	5,885556E+20	2,429406E+21
-936	5,368435E+21	8,617944E+21	1,100106E+22	1,100085E+22	8,617579E+21	5,368095E+21	2,429140E+21	5,884282E+20	3,314435E+19	3,315412E+19	5,885078E+20	2,429222E+21
-935	5,368051E+21	8,617337E+21	1,100057E+22	1,100097E+22	8,617996E+21	5,368495E+21	2,429453E+21	5,886046E+20	3,317031E+19	3,315925E+19	5,884744E+20	2,429184E+21
-934	5,368219E+21	8,617831E+21	1,100089E+22	1,100079E+22	8,617572E+21	5,368045E+21	2,429155E+21	5,885070E+20	3,317312E+19	3,318642E+19	5,886564E+20	2,429483E+21
-933	5,368393E+21	8,617658E+21	1,100035E+22	1,100017E+22	8,617310E+21	5,368148E+21	2,429354E+21	5,886271E+20	3,319306E+19	3,319033E+19	5,885900E+20	2,429202E+21
-932	5,367825E+21	8,617023E+21	1,100009E+22	1,100024E+22	8,617393E+21	5,368228E+21	2,429505E+21	5,887832E+20	3,323162E+19	3,322594E+19	5,887020E+20	2,429379E+21
-931	5,368164E+21	8,617326E+21	1,100001E+22	1,099980E+22	8,616846E+21	5,367767E+21	2,429241E+21	5,887136E+20	3,324283E+19	3,325808E+19	5,888904E+20	2,429570E+21
-930	5,368057E+21	8,616737E+21	1,099902E+22	1,099920E+22	8,616958E+21	5,368153E+21	2,429594E+21	5,889157E+20	3,327518E+19	3,326950E+19	5,888271E+20	2,429331E+21
-929	5,367693E+21	8,616583E+21	1,099911E+22	1,099915E+22	8,616775E+21	5,367983E+21	2,429514E+21	5,889310E+20	3,329245E+19	3,329738E+19	5,889816E+20	2,429675E+21
-928	5,368189E+21	8,616838E+21	1,099893E+22	1,099862E+22	8,616232E+21	5,367671E+21	2,429390E+21	5,888913E+20	3,329454E+19	3,330564E+19	5,890087E+20	2,429559E+21
-927	5,367783E+21	8,616154E+21	1,099828E+22	1,099858E+22	8,616628E+21	5,368123E+21	2,429756E+21	5,890818E+20	3,331482E+19	3,330363E+19	5,889172E+20	2,429381E+21
-926	5,367707E+21	8,616491E+21	1,099883E+22	1,099878E+22	8,616440E+21	5,367756E+21	2,429457E+21	5,889634E+20	3,331047E+19	3,331476E+19	5,890558E+20	2,429709E+21
-925	5,368058E+21	8,616562E+21	1,099859E+22	1,099844E+22	8,616293E+21	5,367813E+21	2,429511E+21	5,889465E+20	3,329699E+19	3,329910E+19	5,889497E+20	2,429450E+21
-924	5,367606E+21	8,616072E+21	1,099852E+22	1,099889E+22	8,616753E+21	5,368104E+21	2,429675E+21	5,890144E+20	3,329758E+19	3,328536E+19	5,888854E+20	2,429480E+21
-923	5,368028E+21	8,616877E+21	1,099920E+22	1,099908E+22	8,616548E+21	5,367718E+21	2,429307E+21	5,888018E+20	3,326919E+19	3,328037E+19	5,889599E+20	2,429666E+21
-922	5,368175E+21	8,616863E+21	1,099904E+22	1,099904E+22	8,616839E+21	5,368094E+21	2,429521E+21	5,888325E+20	3,324920E+19	3,324399E+19	5,887396E+20	2,429274E+21
-921	5,367770E+21	8,616886E+21	1,099974E+22	1,099977E+22	8,617096E+21	5,368101E+21	2,429467E+21	5,887936E+20	3,324087E+19	3,323314E+19	5,887407E+20	2,429456E+21
-920	5,368276E+21	8,617450E+21	1,100016E+22	1,099993E+22	8,616914E+21	5,367771E+21	2,429183E+21	5,886217E+20	3,321104E+19	3,322377E+19	5,887458E+20	2,429394E+21
-919	5,367988E+21	8,616950E+21	1,099968E+22	1,100002E+22	8,617476E+21	5,368321E+21	2,429523E+21	5,887520E+20	3,321535E+19	3,320218E+19	5,886008E+20	2,429178E+21
-918	5,367840E+21	8,617183E+21	1,100025E+22	1,100034E+22	8,617451E+21	5,368117E+21	2,429311E+21	5,886582E+20	3,321227E+19	3,321617E+19	5,887267E+20	2,429518E+21
-917	5,368329E+21	8,617449E+21	1,100011E+22	1,099988E+22	8,617058E+21	5,367987E+21	2,429279E+21	5,886199E+20	3,320183E+19	3,321020E+19	5,886884E+20	2,429338E+21
-916	5,367914E+21	8,616827E+21	1,099961E+22	1,099989E+22	8,617316E+21	5,368278E+21	2,429569E+21	5,888091E+20	3,323268E+19	3,321982E+19	5,886597E+20	2,429279E+21
-915	5,368051E+21	8,617297E+21	1,099998E+22	1,099983E+22	8,616944E+21	5,367827E+21	2,429259E+21	5,887103E+20	3,323784E+19	3,325169E+19	5,888600E+20	2,429578E+21
-914	5,368188E+21	8,617051E+21	1,099934E+22	1,099918E+22	8,616762E+21	5,367971E+21	2,429458E+21	5,888341E+20	3,326017E+19	3,325949E+19	5,888165E+20	2,429331E+21
-913	5,367636E+21	8,616441E+21	1,099909E+22	1,099922E+22	8,616823E+21	5,368049E+21	2,429595E+21	5,889736E+20	3,329473E+19	3,329181E+19	5,889212E+20	2,429539E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-912	5,368039E+21	8,616750E+21	1,099899E+22	1,099880E+22	8,616295E+21	5,367593E+21	2,429327E+21	5,888933E+20	3,330224E+19	3,331976E+19	5,890890E+20	2,429691E+21
-911	5,367902E+21	8,616157E+21	1,099798E+22	1,099814E+22	8,616383E+21	5,368017E+21	2,429730E+21	5,891130E+20	3,333474E+19	3,332911E+19	5,890190E+20	2,429456E+21
-910	5,367553E+21	8,616009E+21	1,099815E+22	1,099822E+22	8,616259E+21	5,367858E+21	2,429656E+21	5,891356E+20	3,335303E+19	3,335434E+19	5,891489E+20	2,429737E+21
-909	5,367997E+21	8,616312E+21	1,099804E+22	1,099770E+22	8,615702E+21	5,367542E+21	2,429532E+21	5,890939E+20	3,335431E+19	3,336291E+19	5,891894E+20	2,429648E+21
-908	5,367562E+21	8,615544E+21	1,099733E+22	1,099762E+22	8,616038E+21	5,367915E+21	2,429852E+21	5,892767E+20	3,337526E+19	3,336230E+19	5,891050E+20	2,429498E+21
-907	5,367544E+21	8,615902E+21	1,099786E+22	1,099786E+22	8,615920E+21	5,367600E+21	2,429546E+21	5,891367E+20	3,336747E+19	3,337303E+19	5,892460E+20	2,429841E+21
-906	5,367956E+21	8,616060E+21	1,099766E+22	1,099751E+22	8,615802E+21	5,367685E+21	2,429605E+21	5,891102E+20	3,334993E+19	3,335397E+19	5,891309E+20	2,429579E+21
-905	5,367552E+21	8,615735E+21	1,099779E+22	1,099804E+22	8,616217E+21	5,367926E+21	2,429743E+21	5,891592E+20	3,334469E+19	3,333314E+19	5,890366E+20	2,429576E+21
-904	5,367955E+21	8,616547E+21	1,099856E+22	1,099836E+22	8,616093E+21	5,367552E+21	2,429364E+21	5,889394E+20	3,331333E+19	3,332453E+19	5,890883E+20	2,429694E+21
-903	5,367979E+21	8,616428E+21	1,099838E+22	1,099836E+22	8,616431E+21	5,367974E+21	2,429619E+21	5,889892E+20	3,329660E+19	3,329025E+19	5,888853E+20	2,429339E+21
-902	5,367568E+21	8,616307E+21	1,099896E+22	1,099914E+22	8,616789E+21	5,368024E+21	2,429574E+21	5,889606E+20	3,329190E+19	3,328196E+19	5,888879E+20	2,429512E+21
-901	5,368070E+21	8,616883E+21	1,099929E+22	1,099914E+22	8,616550E+21	5,367726E+21	2,429309E+21	5,887897E+20	3,326230E+19	3,327505E+19	5,889181E+20	2,429514E+21
-900	5,367837E+21	8,616376E+21	1,099871E+22	1,099903E+22	8,616900E+21	5,368156E+21	2,429626E+21	5,889282E+20	3,327037E+19	3,325700E+19	5,887803E+20	2,429312E+21
-899	5,367754E+21	8,616671E+21	1,099927E+22	1,099932E+22	8,616858E+21	5,367953E+21	2,429417E+21	5,888365E+20	3,326878E+19	3,327420E+19	5,889109E+20	2,429630E+21
-898	5,368228E+21	8,616990E+21	1,099919E+22	1,099886E+22	8,616455E+21	5,367811E+21	2,429387E+21	5,888108E+20	3,326192E+19	3,327113E+19	5,888849E+20	2,429446E+21
-897	5,367781E+21	8,616397E+21	1,099881E+22	1,099896E+22	8,616667E+21	5,368028E+21	2,429641E+21	5,889946E+20	3,329334E+19	3,328179E+19	5,888592E+20	2,429395E+21
-896	5,367888E+21	8,616755E+21	1,099909E+22	1,099895E+22	8,616417E+21	5,367616E+21	2,429322E+21	5,888926E+20	3,329870E+19	3,331429E+19	5,890609E+20	2,429685E+21
-895	5,367980E+21	8,616415E+21	1,099833E+22	1,099819E+22	8,616246E+21	5,367842E+21	2,429577E+21	5,890332E+20	3,332372E+19	3,332439E+19	5,890326E+20	2,429486E+21
-894	5,367493E+21	8,615779E+21	1,099801E+22	1,099827E+22	8,616341E+21	5,367953E+21	2,429742E+21	5,891820E+20	3,335867E+19	3,335429E+19	5,891123E+20	2,429641E+21
-893	5,367892E+21	8,616201E+21	1,099797E+22	1,099777E+22	8,615752E+21	5,367498E+21	2,429492E+21	5,891064E+20	3,336531E+19	3,338064E+19	5,892792E+20	2,429791E+21
-892	5,367709E+21	8,615567E+21	1,099698E+22	1,099705E+22	8,615693E+21	5,367815E+21	2,429866E+21	5,893306E+20	3,339964E+19	3,339107E+19	5,892065E+20	2,429541E+21
-891	5,367351E+21	8,615394E+21	1,099716E+22	1,099722E+22	8,615653E+21	5,367674E+21	2,429776E+21	5,893417E+20	3,341727E+19	3,341767E+19	5,893457E+20	2,429824E+21
-890	5,367781E+21	8,615688E+21	1,099702E+22	1,099673E+22	8,615170E+21	5,367384E+21	2,429637E+21	5,892873E+20	3,341605E+19	3,342575E+19	5,893967E+20	2,429777E+21
-889	5,367419E+21	8,615033E+21	1,099642E+22	1,099668E+22	8,615475E+21	5,367721E+21	2,429914E+21	5,894358E+20	3,342909E+19	3,341850E+19	5,892948E+20	2,429650E+21
-888	5,367483E+21	8,615465E+21	1,099704E+22	1,099702E+22	8,615430E+21	5,367427E+21	2,429599E+21	5,892783E+20	3,341511E+19	3,342241E+19	5,894043E+20	2,429942E+21
-887	5,367863E+21	8,615651E+21	1,099689E+22	1,099670E+22	8,615348E+21	5,367570E+21	2,429702E+21	5,892614E+20	3,339643E+19	3,340039E+19	5,892791E+20	2,429672E+21
-886	5,367450E+21	8,615319E+21	1,099712E+22	1,099739E+22	8,615844E+21	5,367838E+21	2,429855E+21	5,893196E+20	3,339249E+19	3,337747E+19	5,891619E+20	2,429601E+21
-885	5,367773E+21	8,616121E+21	1,099790E+22	1,099771E+22	8,615718E+21	5,367469E+21	2,429485E+21	5,891059E+20	3,336244E+19	3,337160E+19	5,892348E+20	2,429747E+21
-884	5,367739E+21	8,615835E+21	1,099753E+22	1,099755E+22	8,615953E+21	5,367826E+21	2,429713E+21	5,891598E+20	3,334961E+19	3,334211E+19	5,890536E+20	2,429445E+21
-883	5,367411E+21	8,615709E+21	1,099799E+22	1,099824E+22	8,616320E+21	5,367917E+21	2,429672E+21	5,891236E+20	3,334542E+19	3,333779E+19	5,890725E+20	2,429637E+21
-882	5,367961E+21	8,616358E+21	1,099831E+22	1,099814E+22	8,616009E+21	5,367594E+21	2,429414E+21	5,889585E+20	3,331621E+19	3,333120E+19	5,891053E+20	2,429650E+21
-881	5,367792E+21	8,616013E+21	1,099788E+22	1,099805E+22	8,616254E+21	5,367928E+21	2,429689E+21	5,890862E+20	3,332272E+19	3,331092E+19	5,889542E+20	2,429429E+21
-880	5,367686E+21	8,616306E+21	1,099852E+22	1,099845E+22	8,616267E+21	5,367719E+21	2,429475E+21	5,890002E+20	3,332178E+19	3,332773E+19	5,890731E+20	2,429689E+21
-879	5,368034E+21	8,616488E+21	1,099839E+22	1,099804E+22	8,615942E+21	5,367637E+21	2,429485E+21	5,889970E+20	3,332047E+19	3,332920E+19	5,890719E+20	2,429546E+21
-878	5,367579E+21	8,615769E+21	1,099791E+22	1,099819E+22	8,616262E+21	5,367920E+21	2,429760E+21	5,891916E+20	3,335511E+19	3,334226E+19	5,890456E+20	2,429479E+21
-877	5,367676E+21	8,616137E+21	1,099810E+22	1,099803E+22	8,615969E+21	5,367556E+21	2,429479E+21	5,890983E+20	3,336144E+19	3,337669E+19	5,892648E+20	2,429810E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-876	5,367783E+21	8,615743E+21	1,099722E+22	1,099710E+22	8,615628E+21	5,367694E+21	2,429725E+21	5,892506E+20	3,339001E+19	3,338971E+19	5,892406E+20	2,429622E+21
-875	5,367362E+21	8,615164E+21	1,099688E+22	1,099712E+22	8,615721E+21	5,367821E+21	2,429892E+21	5,893986E+20	3,342544E+19	3,342103E+19	5,893199E+20	2,429741E+21
-874	5,367708E+21	8,615617E+21	1,099692E+22	1,099665E+22	8,615097E+21	5,367329E+21	2,429637E+21	5,893288E+20	3,343325E+19	3,344771E+19	5,894907E+20	2,429900E+21
-873	5,367536E+21	8,615031E+21	1,099603E+22	1,099602E+22	8,614996E+21	5,367545E+21	2,429944E+21	5,895282E+20	3,346370E+19	3,345592E+19	5,894175E+20	2,429674E+21
-872	5,367190E+21	8,614809E+21	1,099618E+22	1,099628E+22	8,615080E+21	5,367443E+21	2,429831E+21	5,895182E+20	3,347635E+19	3,347796E+19	5,895430E+20	2,429947E+21
-871	5,367620E+21	8,615111E+21	1,099605E+22	1,099579E+22	8,614661E+21	5,367244E+21	2,429731E+21	5,894599E+20	3,347204E+19	3,348333E+19	5,895923E+20	2,429938E+21
-870	5,367346E+21	8,614533E+21	1,099555E+22	1,099587E+22	8,615025E+21	5,367609E+21	2,430020E+21	5,896019E+20	3,348129E+19	3,346935E+19	5,894489E+20	2,429734E+21
-869	5,367387E+21	8,615089E+21	1,099629E+22	1,099623E+22	8,614999E+21	5,367353E+21	2,429729E+21	5,894456E+20	3,346468E+19	3,346993E+19	5,895487E+20	2,430002E+21
-868	5,367687E+21	8,615196E+21	1,099616E+22	1,099592E+22	8,614832E+21	5,367412E+21	2,429805E+21	5,894315E+20	3,344754E+19	3,344891E+19	5,894222E+20	2,429723E+21
-867	5,367266E+21	8,614802E+21	1,099630E+22	1,099663E+22	8,615417E+21	5,367726E+21	2,429956E+21	5,894845E+20	3,344452E+19	3,342903E+19	5,893203E+20	2,429653E+21
-866	5,367545E+21	8,615550E+21	1,099701E+22	1,099691E+22	8,615311E+21	5,367375E+21	2,429587E+21	5,892684E+20	3,341394E+19	3,342427E+19	5,894075E+20	2,429853E+21
-865	5,367609E+21	8,615359E+21	1,099668E+22	1,099669E+22	8,615413E+21	5,367644E+21	2,429772E+21	5,893009E+20	3,339714E+19	3,339241E+19	5,892266E+20	2,429587E+21
-864	5,367357E+21	8,615288E+21	1,099714E+22	1,099737E+22	8,615793E+21	5,367730E+21	2,429728E+21	5,892618E+20	3,339092E+19	3,338549E+19	5,892276E+20	2,429737E+21
-863	5,367869E+21	8,615963E+21	1,099751E+22	1,099728E+22	8,615494E+21	5,367450E+21	2,429510E+21	5,891166E+20	3,336520E+19	3,338068E+19	5,892678E+20	2,429757E+21
-862	5,367690E+21	8,615596E+21	1,099717E+22	1,099732E+22	8,615778E+21	5,367779E+21	2,429791E+21	5,892604E+20	3,337667E+19	3,336254E+19	5,891069E+20	2,429479E+21
-861	5,367499E+21	8,615842E+21	1,099777E+22	1,099771E+22	8,615825E+21	5,367598E+21	2,429599E+21	5,891928E+20	3,338029E+19	3,338493E+19	5,892545E+20	2,429771E+21
-860	5,367784E+21	8,615829E+21	1,099741E+22	1,099714E+22	8,615416E+21	5,367476E+21	2,429599E+21	5,892034E+20	3,338553E+19	3,339307E+19	5,892775E+20	2,429677E+21
-859	5,367408E+21	8,615102E+21	1,099677E+22	1,099714E+22	8,615736E+21	5,367825E+21	2,429903E+21	5,894014E+20	3,342214E+19	3,341082E+19	5,892666E+20	2,429612E+21
-858	5,367506E+21	8,615505E+21	1,099696E+22	1,099690E+22	8,615362E+21	5,367435E+21	2,429638E+21	5,893186E+20	3,342929E+19	3,344487E+19	5,894823E+20	2,429944E+21
-857	5,367665E+21	8,615230E+21	1,099618E+22	1,099597E+22	8,614899E+21	5,367459E+21	2,429833E+21	5,894550E+20	3,345503E+19	3,345570E+19	5,894513E+20	2,429751E+21
-856	5,367231E+21	8,614649E+21	1,099589E+22	1,099608E+22	8,615049E+21	5,367571E+21	2,429977E+21	5,895942E+20	3,348768E+19	3,348367E+19	5,895157E+20	2,429829E+21
-855	5,367483E+21	8,615003E+21	1,099592E+22	1,099567E+22	8,614513E+21	5,367137E+21	2,429740E+21	5,895279E+20	3,349626E+19	3,351079E+19	5,896984E+20	2,430032E+21
-854	5,367350E+21	8,614398E+21	1,099506E+22	1,099516E+22	8,614513E+21	5,367396E+21	2,430041E+21	5,897138E+20	3,352365E+19	3,351534E+19	5,896054E+20	2,429788E+21
-853	5,367044E+21	8,614286E+21	1,099527E+22	1,099539E+22	8,614596E+21	5,367334E+21	2,429953E+21	5,896995E+20	3,353273E+19	3,353400E+19	5,897269E+20	2,430070E+21
-852	5,367473E+21	8,614558E+21	1,099510E+22	1,099485E+22	8,614108E+21	5,367091E+21	2,429847E+21	5,896430E+20	3,352810E+19	3,353790E+19	5,897616E+20	2,430048E+21
-851	5,367254E+21	8,614088E+21	1,099467E+22	1,099497E+22	8,614541E+21	5,367514E+21	2,430144E+21	5,897775E+20	3,353563E+19	3,352300E+19	5,896104E+20	2,429795E+21
-850	5,367210E+21	8,614641E+21	1,099550E+22	1,099539E+22	8,614505E+21	5,367238E+21	2,429860E+21	5,896273E+20	3,351918E+19	3,352266E+19	5,897069E+20	2,430061E+21
-849	5,367509E+21	8,614736E+21	1,099540E+22	1,099515E+22	8,614314E+21	5,367207E+21	2,429868E+21	5,895873E+20	3,349817E+19	3,350061E+19	5,895896E+20	2,429822E+21
-848	5,367117E+21	8,614295E+21	1,099544E+22	1,099584E+22	8,614965E+21	5,367547E+21	2,430002E+21	5,896249E+20	3,349182E+19	3,347808E+19	5,894828E+20	2,429754E+21
-847	5,367385E+21	8,615016E+21	1,099611E+22	1,099607E+22	8,614861E+21	5,367256E+21	2,429673E+21	5,894150E+20	3,346108E+19	3,347327E+19	5,895751E+20	2,429992E+21
-846	5,367535E+21	8,614917E+21	1,099589E+22	1,099593E+22	8,614956E+21	5,367511E+21	2,429862E+21	5,894516E+20	3,344452E+19	3,343869E+19	5,893691E+20	2,429669E+21
-845	5,367270E+21	8,614954E+21	1,099644E+22	1,099659E+22	8,615312E+21	5,367607E+21	2,429845E+21	5,894290E+20	3,344069E+19	3,343383E+19	5,893766E+20	2,429799E+21
-844	5,367679E+21	8,615488E+21	1,099673E+22	1,099647E+22	8,614958E+21	5,367274E+21	2,429618E+21	5,893039E+20	3,342186E+19	3,343468E+19	5,894315E+20	2,429832E+21
-843	5,367504E+21	8,615054E+21	1,099626E+22	1,099648E+22	8,615333E+21	5,367664E+21	2,429903E+21	5,894510E+20	3,343788E+19	3,342400E+19	5,892994E+20	2,429563E+21
-842	5,367263E+21	8,615213E+21	1,099676E+22	1,099679E+22	8,615358E+21	5,367502E+21	2,429734E+21	5,893944E+20	3,344372E+19	3,344924E+19	5,894616E+20	2,429903E+21
-841	5,367640E+21	8,615256E+21	1,099638E+22	1,099612E+22	8,614810E+21	5,367284E+21	2,429695E+21	5,893902E+20	3,344724E+19	3,345759E+19	5,894934E+20	2,429844E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-840	5,367320E+21	8,614565E+21	1,099569E+22	1,099607E+22	8,615119E+21	5,367625E+21	2,430001E+21	5,895881E+20	3,348179E+19	3,347262E+19	5,894661E+20	2,429733E+21
-839	5,367350E+21	8,614960E+21	1,099595E+22	1,099584E+22	8,614745E+21	5,367272E+21	2,429769E+21	5,895214E+20	3,349145E+19	3,350714E+19	5,896840E+20	2,430069E+21
-838	5,367505E+21	8,614686E+21	1,099528E+22	1,099504E+22	8,614285E+21	5,367259E+21	2,429953E+21	5,896629E+20	3,351912E+19	3,351762E+19	5,896402E+20	2,429833E+21
-837	5,367020E+21	8,614083E+21	1,099495E+22	1,099515E+22	8,614492E+21	5,367398E+21	2,430101E+21	5,898033E+20	3,355205E+19	3,354697E+19	5,897198E+20	2,429938E+21
-836	5,367241E+21	8,614310E+21	1,099483E+22	1,099465E+22	8,613930E+21	5,366955E+21	2,429850E+21	5,897355E+20	3,356223E+19	3,357566E+19	5,899074E+20	2,430182E+21
-835	5,367226E+21	8,613800E+21	1,099395E+22	1,099409E+22	8,613973E+21	5,367280E+21	2,430162E+21	5,899087E+20	3,358689E+19	3,357955E+19	5,898082E+20	2,429913E+21
-834	5,366915E+21	8,613772E+21	1,099429E+22	1,099439E+22	8,614047E+21	5,367213E+21	2,430094E+21	5,898971E+20	3,359319E+19	3,359303E+19	5,899068E+20	2,430176E+21
-833	5,367378E+21	8,614154E+21	1,099428E+22	1,099395E+22	8,613510E+21	5,366881E+21	2,429933E+21	5,898164E+20	3,358309E+19	3,359282E+19	5,899289E+20	2,430131E+21
-832	5,367111E+21	8,613659E+21	1,099390E+22	1,099418E+22	8,614033E+21	5,367313E+21	2,430214E+21	5,899359E+20	3,358564E+19	3,357292E+19	5,897637E+20	2,429843E+21
-831	5,366967E+21	8,614092E+21	1,099470E+22	1,099466E+22	8,614101E+21	5,367117E+21	2,429950E+21	5,897842E+20	3,356854E+19	3,357242E+19	5,898698E+20	2,430154E+21
-830	5,367314E+21	8,614181E+21	1,099460E+22	1,099446E+22	8,613940E+21	5,367103E+21	2,429952E+21	5,897317E+20	3,354452E+19	3,354731E+19	5,897398E+20	2,429916E+21
-829	5,366992E+21	8,613848E+21	1,099464E+22	1,099506E+22	8,614554E+21	5,367456E+21	2,430105E+21	5,897711E+20	3,353716E+19	3,352404E+19	5,896370E+20	2,429863E+21
-828	5,367262E+21	8,614527E+21	1,099524E+22	1,099520E+22	8,614360E+21	5,367113E+21	2,429773E+21	5,895761E+20	3,351003E+19	3,352121E+19	5,897264E+20	2,430102E+21
-827	5,367469E+21	8,614536E+21	1,099508E+22	1,099505E+22	8,614476E+21	5,367395E+21	2,429967E+21	5,896198E+20	3,349745E+19	3,349104E+19	5,895294E+20	2,429741E+21
-826	5,367110E+21	8,614528E+21	1,099569E+22	1,099578E+22	8,614805E+21	5,367456E+21	2,429964E+21	5,896177E+20	3,349813E+19	3,348983E+19	5,895480E+20	2,429885E+21
-825	5,367516E+21	8,614995E+21	1,099591E+22	1,099566E+22	8,614425E+21	5,367054E+21	2,429685E+21	5,894787E+20	3,347968E+19	3,349404E+19	5,896261E+20	2,429961E+21
-824	5,367364E+21	8,614519E+21	1,099531E+22	1,099558E+22	8,614829E+21	5,367480E+21	2,429974E+21	5,896196E+20	3,349451E+19	3,348383E+19	5,894992E+20	2,429697E+21
-823	5,367102E+21	8,614621E+21	1,099573E+22	1,099578E+22	8,614829E+21	5,367380E+21	2,429855E+21	5,895789E+20	3,350226E+19	3,350998E+19	5,896625E+20	2,430048E+21
-822	5,367518E+21	8,614725E+21	1,099543E+22	1,099517E+22	8,614257E+21	5,367135E+21	2,429819E+21	5,895830E+20	3,350711E+19	3,351653E+19	5,896743E+20	2,429940E+21
-821	5,367183E+21	8,614113E+21	1,099480E+22	1,099508E+22	8,614523E+21	5,367463E+21	2,430139E+21	5,897943E+20	3,354385E+19	3,353342E+19	5,896534E+20	2,429811E+21
-820	5,367096E+21	8,614303E+21	1,099491E+22	1,099482E+22	8,614108E+21	5,367063E+21	2,429898E+21	5,897453E+20	3,355933E+19	3,357175E+19	5,898812E+20	2,430167E+21
-819	5,367287E+21	8,614023E+21	1,099417E+22	1,099400E+22	8,613744E+21	5,367111E+21	2,430075E+21	5,898804E+20	3,358856E+19	3,358669E+19	5,898572E+20	2,429944E+21
-818	5,366789E+21	8,613418E+21	1,099386E+22	1,099409E+22	8,613917E+21	5,367254E+21	2,430239E+21	5,900205E+20	3,361992E+19	3,361422E+19	5,899342E+20	2,430086E+21
-817	5,367115E+21	8,613739E+21	1,099378E+22	1,099360E+22	8,613298E+21	5,366746E+21	2,429945E+21	5,899267E+20	3,362479E+19	3,363980E+19	5,901160E+20	2,430338E+21
-816	5,367153E+21	8,613337E+21	1,099299E+22	1,099310E+22	8,613397E+21	5,367083E+21	2,430248E+21	5,900829E+20	3,364288E+19	3,363738E+19	5,899913E+20	2,430016E+21
-815	5,366768E+21	8,613300E+21	1,099343E+22	1,099349E+22	8,613525E+21	5,367077E+21	2,430210E+21	5,900764E+20	3,364834E+19	3,364773E+19	5,900776E+20	2,430262E+21
-814	5,367199E+21	8,613669E+21	1,099356E+22	1,099324E+22	8,613059E+21	5,366728E+21	2,430032E+21	5,899883E+20	3,363624E+19	3,364436E+19	5,900836E+20	2,430189E+21
-813	5,366907E+21	8,613157E+21	1,099312E+22	1,099345E+22	8,613630E+21	5,367191E+21	2,430310E+21	5,901001E+20	3,363676E+19	3,362383E+19	5,899307E+20	2,429932E+21
-812	5,366736E+21	8,613436E+21	1,099372E+22	1,099379E+22	8,613649E+21	5,366996E+21	2,430048E+21	5,899506E+20	3,362080E+19	3,362398E+19	5,900374E+20	2,430283E+21
-811	5,367217E+21	8,613668E+21	1,099363E+22	1,099352E+22	8,613483E+21	5,367014E+21	2,430056E+21	5,898923E+20	3,359581E+19	3,359951E+19	5,899069E+20	2,430026E+21
-810	5,366899E+21	8,613439E+21	1,099382E+22	1,099416E+22	8,614032E+21	5,367325E+21	2,430221E+21	5,899412E+20	3,358870E+19	3,357426E+19	5,897913E+20	2,429966E+21
-809	5,367206E+21	8,614190E+21	1,099452E+22	1,099437E+22	8,613787E+21	5,366894E+21	2,429840E+21	5,897334E+20	3,356040E+19	3,357215E+19	5,898846E+20	2,430193E+21
-808	5,367367E+21	8,614160E+21	1,099437E+22	1,099430E+22	8,613981E+21	5,367179E+21	2,430020E+21	5,897706E+20	3,354708E+19	3,354181E+19	5,896898E+20	2,429812E+21
-807	5,366909E+21	8,614012E+21	1,099490E+22	1,099504E+22	8,614407E+21	5,367331E+21	2,430049E+21	5,897792E+20	3,355040E+19	3,354358E+19	5,897235E+20	2,429992E+21
-806	5,367338E+21	8,614453E+21	1,099510E+22	1,099491E+22	8,614015E+21	5,366937E+21	2,429779E+21	5,896432E+20	3,353275E+19	3,354750E+19	5,897955E+20	2,430062E+21
-805	5,367220E+21	8,614015E+21	1,099442E+22	1,099469E+22	8,614356E+21	5,367377E+21	2,430102E+21	5,897989E+20	3,354977E+19	3,353972E+19	5,896807E+20	2,429805E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-804	5,366915E+21	8,614001E+21	1,099469E+22	1,099476E+22	8,614269E+21	5,367244E+21	2,429997E+21	5,897834E+20	3,356340E+19	3,356933E+19	5,898449E+20	2,430151E+21
-803	5,367371E+21	8,614186E+21	1,099439E+22	1,099408E+22	8,613676E+21	5,367006E+21	2,429966E+21	5,898021E+20	3,357409E+19	3,358181E+19	5,898732E+20	2,430023E+21
-802	5,366955E+21	8,613517E+21	1,099381E+22	1,099404E+22	8,613889E+21	5,367276E+21	2,430284E+21	5,900268E+20	3,361438E+19	3,360168E+19	5,898639E+20	2,429930E+21
-801	5,366910E+21	8,613656E+21	1,099383E+22	1,099376E+22	8,613454E+21	5,366806E+21	2,429981E+21	5,899560E+20	3,362869E+19	3,364208E+19	5,901107E+20	2,430328E+21
-800	5,367147E+21	8,613405E+21	1,099306E+22	1,099291E+22	8,613119E+21	5,366880E+21	2,430151E+21	5,900707E+20	3,365273E+19	3,365412E+19	5,900807E+20	2,430103E+21
-799	5,366656E+21	8,612833E+21	1,099281E+22	1,099304E+22	8,613335E+21	5,367093E+21	2,430348E+21	5,902115E+20	3,368166E+19	3,367783E+19	5,901423E+20	2,430235E+21
-798	5,367008E+21	8,613261E+21	1,099292E+22	1,099269E+22	8,612759E+21	5,366590E+21	2,430058E+21	5,901135E+20	3,368335E+19	3,369743E+19	5,902897E+20	2,430423E+21
-797	5,367014E+21	8,612922E+21	1,099222E+22	1,099225E+22	8,612895E+21	5,366949E+21	2,430371E+21	5,902668E+20	3,369882E+19	3,369261E+19	5,901606E+20	2,430076E+21
-796	5,366515E+21	8,612673E+21	1,099253E+22	1,099265E+22	8,613044E+21	5,366937E+21	2,430330E+21	5,902672E+20	3,370602E+19	3,370262E+19	5,902440E+20	2,430333E+21
-795	5,366989E+21	8,613061E+21	1,099257E+22	1,099236E+22	8,612663E+21	5,366651E+21	2,430144E+21	5,901668E+20	3,369272E+19	3,370075E+19	5,902611E+20	2,430280E+21
-794	5,366710E+21	8,612580E+21	1,099219E+22	1,099253E+22	8,613148E+21	5,367085E+21	2,430429E+21	5,902730E+20	3,369022E+19	3,367661E+19	5,901020E+20	2,430069E+21
-793	5,366666E+21	8,612940E+21	1,099281E+22	1,099286E+22	8,613090E+21	5,366806E+21	2,430118E+21	5,901011E+20	3,366990E+19	3,367460E+19	5,902033E+20	2,430418E+21
-792	5,367196E+21	8,613323E+21	1,099286E+22	1,099265E+22	8,612945E+21	5,366815E+21	2,430115E+21	5,900307E+20	3,364071E+19	3,364636E+19	5,900590E+20	2,430121E+21
-791	5,366811E+21	8,613099E+21	1,099316E+22	1,099338E+22	8,613530E+21	5,367162E+21	2,430301E+21	5,900926E+20	3,363639E+19	3,362192E+19	5,899410E+20	2,430041E+21
-790	5,367053E+21	8,613793E+21	1,099395E+22	1,099375E+22	8,613375E+21	5,366736E+21	2,429917E+21	5,898906E+20	3,360980E+19	3,362045E+19	5,900303E+20	2,430250E+21
-789	5,367190E+21	8,613709E+21	1,099368E+22	1,099362E+22	8,613613E+21	5,367062E+21	2,430102E+21	5,899289E+20	3,359849E+19	3,359387E+19	5,898592E+20	2,429900E+21
-788	5,366687E+21	8,613348E+21	1,099391E+22	1,099416E+22	8,613966E+21	5,367234E+21	2,430166E+21	5,899597E+20	3,360691E+19	3,359950E+19	5,898991E+20	2,430102E+21
-787	5,367201E+21	8,613877E+21	1,099405E+22	1,099391E+22	8,613551E+21	5,366867E+21	2,429919E+21	5,898383E+20	3,359339E+19	3,360760E+19	5,899806E+20	2,430159E+21
-786	5,367058E+21	8,613483E+21	1,099346E+22	1,099364E+22	8,613752E+21	5,367240E+21	2,430258E+21	5,900152E+20	3,361419E+19	3,360161E+19	5,898691E+20	2,429913E+21
-785	5,366775E+21	8,613442E+21	1,099370E+22	1,099370E+22	8,613586E+21	5,367008E+21	2,430103E+21	5,899922E+20	3,362891E+19	3,363464E+19	5,900482E+20	2,430260E+21
-784	5,367198E+21	8,613612E+21	1,099340E+22	1,099307E+22	8,613034E+21	5,366753E+21	2,430047E+21	5,900005E+20	3,363880E+19	3,364831E+19	5,900900E+20	2,430143E+21
-783	5,366744E+21	8,612866E+21	1,099276E+22	1,099301E+22	8,613312E+21	5,367085E+21	2,430373E+21	5,902224E+20	3,367919E+19	3,366916E+19	5,900886E+20	2,430086E+21
-782	5,366751E+21	8,613055E+21	1,099287E+22	1,099279E+22	8,612899E+21	5,366636E+21	2,430078E+21	5,901454E+20	3,369084E+19	3,370551E+19	5,903163E+20	2,430472E+21
-781	5,367045E+21	8,612904E+21	1,099212E+22	1,099194E+22	8,612577E+21	5,366734E+21	2,430264E+21	5,902575E+20	3,371259E+19	3,371569E+19	5,902795E+20	2,430225E+21
-780	5,366499E+21	8,612248E+21	1,099179E+22	1,099203E+22	8,612783E+21	5,366962E+21	2,430487E+21	5,904157E+20	3,374351E+19	3,373765E+19	5,903235E+20	2,430326E+21
-779	5,366858E+21	8,612750E+21	1,099197E+22	1,099172E+22	8,612257E+21	5,366495E+21	2,430208E+21	5,903252E+20	3,374741E+19	3,375884E+19	5,904714E+20	2,430481E+21
-778	5,366767E+21	8,612336E+21	1,099134E+22	1,099135E+22	8,612373E+21	5,366815E+21	2,430514E+21	5,904772E+20	3,376156E+19	3,375263E+19	5,903462E+20	2,430181E+21
-777	5,366334E+21	8,612029E+21	1,099152E+22	1,099170E+22	8,612502E+21	5,366748E+21	2,430409E+21	5,904452E+20	3,376427E+19	3,376162E+19	5,904373E+20	2,430469E+21
-776	5,366871E+21	8,612508E+21	1,099158E+22	1,099138E+22	8,612103E+21	5,366466E+21	2,430213E+21	5,903194E+20	3,374352E+19	3,375460E+19	5,904425E+20	2,430415E+21
-775	5,366625E+21	8,612119E+21	1,099132E+22	1,099161E+22	8,612610E+21	5,366926E+21	2,430506E+21	5,904205E+20	3,373812E+19	3,372595E+19	5,902643E+20	2,430189E+21
-774	5,366610E+21	8,612623E+21	1,099218E+22	1,099210E+22	8,612588E+21	5,366635E+21	2,430191E+21	5,902470E+20	3,371583E+19	3,371952E+19	5,903367E+20	2,430478E+21
-773	5,367093E+21	8,613017E+21	1,099231E+22	1,099200E+22	8,612508E+21	5,366665E+21	2,430192E+21	5,901778E+20	3,368689E+19	3,369160E+19	5,901959E+20	2,430158E+21
-772	5,366587E+21	8,612566E+21	1,099242E+22	1,099272E+22	8,613153E+21	5,367045E+21	2,430395E+21	5,902563E+20	3,368726E+19	3,367058E+19	5,900879E+20	2,430099E+21
-771	5,366859E+21	8,613245E+21	1,099307E+22	1,099299E+22	8,613058E+21	5,366696E+21	2,430032E+21	5,900633E+20	3,366429E+19	3,367428E+19	5,901955E+20	2,430321E+21
-770	5,366980E+21	8,613132E+21	1,099278E+22	1,099275E+22	8,613169E+21	5,366990E+21	2,430240E+21	5,901125E+20	3,365467E+19	3,364914E+19	5,900370E+20	2,430032E+21
-769	5,366590E+21	8,612773E+21	1,099289E+22	1,099316E+22	8,613398E+21	5,367067E+21	2,430266E+21	5,901376E+20	3,366370E+19	3,365796E+19	5,900872E+20	2,430228E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-768	5,367109E+21	8,613397E+21	1,099309E+22	1,099287E+22	8,612920E+21	5,366667E+21	2,430015E+21	5,900167E+20	3,365025E+19	3,366664E+19	5,901726E+20	2,430271E+21
-767	5,366913E+21	8,612983E+21	1,099257E+22	1,099265E+22	8,613109E+21	5,367029E+21	2,430358E+21	5,902080E+20	3,367562E+19	3,366412E+19	5,900716E+20	2,430029E+21
-766	5,366601E+21	8,612909E+21	1,099285E+22	1,099280E+22	8,612996E+21	5,366785E+21	2,430188E+21	5,901868E+20	3,369162E+19	3,369783E+19	5,902503E+20	2,430376E+21
-765	5,367031E+21	8,613047E+21	1,099246E+22	1,099213E+22	8,612497E+21	5,366574E+21	2,430134E+21	5,901905E+20	3,370212E+19	3,371347E+19	5,903060E+20	2,430283E+21
-764	5,366559E+21	8,612179E+21	1,099163E+22	1,099195E+22	8,612744E+21	5,366940E+21	2,430494E+21	5,904256E+20	3,374438E+19	3,373457E+19	5,902972E+20	2,430229E+21
-763	5,366642E+21	8,612490E+21	1,099176E+22	1,099171E+22	8,612372E+21	5,366545E+21	2,430233E+21	5,903637E+20	3,375841E+19	3,377150E+19	5,905160E+20	2,430571E+21
-762	5,366878E+21	8,612381E+21	1,099119E+22	1,099092E+22	8,611983E+21	5,366604E+21	2,430431E+21	5,904847E+20	3,378012E+19	3,378012E+19	5,904723E+20	2,430328E+21
-761	5,366338E+21	8,611656E+21	1,099080E+22	1,099103E+22	8,612163E+21	5,366762E+21	2,430606E+21	5,906264E+20	3,380886E+19	3,380158E+19	5,905182E+20	2,430408E+21
-760	5,366645E+21	8,612152E+21	1,099100E+22	1,099078E+22	8,611692E+21	5,366302E+21	2,430306E+21	5,905140E+20	3,380771E+19	3,382006E+19	5,906681E+20	2,430582E+21
-759	5,366550E+21	8,611706E+21	1,099036E+22	1,099040E+22	8,611832E+21	5,366657E+21	2,430605E+21	5,906502E+20	3,381791E+19	3,381077E+19	5,905396E+20	2,430312E+21
-758	5,366185E+21	8,611490E+21	1,099063E+22	1,099081E+22	8,611977E+21	5,366591E+21	2,430493E+21	5,906018E+20	3,381506E+19	3,381293E+19	5,906033E+20	2,430584E+21
-757	5,366795E+21	8,612102E+21	1,099079E+22	1,099056E+22	8,611623E+21	5,366319E+21	2,430289E+21	5,904637E+20	3,379019E+19	3,380248E+19	5,905968E+20	2,430508E+21
-756	5,366510E+21	8,611674E+21	1,099051E+22	1,099079E+22	8,612126E+21	5,366789E+21	2,430601E+21	5,905788E+20	3,378696E+19	3,377268E+19	5,904049E+20	2,430258E+21
-755	5,366496E+21	8,612237E+21	1,099144E+22	1,099137E+22	8,612193E+21	5,366546E+21	2,430310E+21	5,904224E+20	3,376906E+19	3,376982E+19	5,904827E+20	2,430517E+21
-754	5,366877E+21	8,612535E+21	1,099162E+22	1,099134E+22	8,612105E+21	5,366551E+21	2,430306E+21	5,903571E+20	3,374158E+19	3,374378E+19	5,903587E+20	2,430256E+21
-753	5,366429E+21	8,611978E+21	1,099150E+22	1,099189E+22	8,612695E+21	5,366898E+21	2,430471E+21	5,904183E+20	3,374121E+19	3,372606E+19	5,902695E+20	2,430218E+21
-752	5,366732E+21	8,612716E+21	1,099212E+22	1,099206E+22	8,612534E+21	5,366552E+21	2,430120E+21	5,902176E+20	3,371541E+19	3,372904E+19	5,903778E+20	2,430446E+21
-751	5,366873E+21	8,612646E+21	1,099187E+22	1,099179E+22	8,612596E+21	5,366834E+21	2,430338E+21	5,902769E+20	3,370772E+19	3,370443E+19	5,902192E+20	2,430155E+21
-750	5,366498E+21	8,612370E+21	1,099210E+22	1,099226E+22	8,612814E+21	5,366882E+21	2,430361E+21	5,903102E+20	3,371794E+19	3,371266E+19	5,902570E+20	2,430312E+21
-749	5,366970E+21	8,612962E+21	1,099232E+22	1,099203E+22	8,612371E+21	5,366475E+21	2,430103E+21	5,901952E+20	3,370731E+19	3,372405E+19	5,903546E+20	2,430352E+21
-748	5,366685E+21	8,612348E+21	1,099160E+22	1,099175E+22	8,612585E+21	5,366857E+21	2,430459E+21	5,904034E+20	3,373813E+19	3,372582E+19	5,902669E+20	2,430140E+21
-747	5,366422E+21	8,612296E+21	1,099178E+22	1,099182E+22	8,612517E+21	5,366683E+21	2,430322E+21	5,903973E+20	3,375810E+19	3,376338E+19	5,904552E+20	2,430487E+21
-746	5,366834E+21	8,612425E+21	1,099143E+22	1,099113E+22	8,611939E+21	5,366454E+21	2,430288E+21	5,904095E+20	3,376950E+19	3,377924E+19	5,905155E+20	2,430438E+21
-745	5,366457E+21	8,611581E+21	1,099052E+22	1,099085E+22	8,612117E+21	5,366763E+21	2,430618E+21	5,906346E+20	3,381064E+19	3,380154E+19	5,905078E+20	2,430355E+21
-744	5,366517E+21	8,611979E+21	1,099075E+22	1,099061E+22	8,611709E+21	5,366365E+21	2,430366E+21	5,905721E+20	3,382327E+19	3,383668E+19	5,907192E+20	2,430666E+21
-743	5,366676E+21	8,611810E+21	1,099025E+22	1,098994E+22	8,611362E+21	5,366419E+21	2,430556E+21	5,906938E+20	3,384547E+19	3,384569E+19	5,906798E+20	2,430433E+21
-742	5,366128E+21	8,611071E+21	1,098989E+22	1,099014E+22	8,611610E+21	5,366560E+21	2,430696E+21	5,908176E+20	3,387046E+19	3,386330E+19	5,907160E+20	2,430518E+21
-741	5,366450E+21	8,611544E+21	1,099002E+22	1,098985E+22	8,611178E+21	5,366137E+21	2,430385E+21	5,906848E+20	3,386473E+19	3,387856E+19	5,908603E+20	2,430707E+21
-740	5,366378E+21	8,611065E+21	1,098929E+22	1,098941E+22	8,611291E+21	5,366512E+21	2,430704E+21	5,908200E+20	3,387238E+19	3,386519E+19	5,907144E+20	2,430440E+21
-739	5,366115E+21	8,611044E+21	1,098969E+22	1,098987E+22	8,611483E+21	5,366484E+21	2,430617E+21	5,907811E+20	3,387001E+19	3,386538E+19	5,907592E+20	2,430657E+21
-738	5,366658E+21	8,611712E+21	1,099007E+22	1,098976E+22	8,611126E+21	5,366192E+21	2,430416E+21	5,906449E+20	3,384392E+19	3,385289E+19	5,907473E+20	2,430594E+21
-737	5,366388E+21	8,611226E+21	1,098974E+22	1,099002E+22	8,611633E+21	5,366606E+21	2,430675E+21	5,907413E+20	3,383941E+19	3,382470E+19	5,905648E+20	2,430329E+21
-736	5,366330E+21	8,611767E+21	1,099066E+22	1,099062E+22	8,611745E+21	5,366398E+21	2,430385E+21	5,905728E+20	3,381861E+19	3,382152E+19	5,906501E+20	2,430607E+21
-735	5,366695E+21	8,612007E+21	1,099079E+22	1,099057E+22	8,611672E+21	5,366431E+21	2,430384E+21	5,905018E+20	3,379011E+19	3,379533E+19	5,905324E+20	2,430379E+21
-734	5,366317E+21	8,611525E+21	1,099070E+22	1,099109E+22	8,612223E+21	5,366758E+21	2,430551E+21	5,905611E+20	3,378807E+19	3,377509E+19	5,904306E+20	2,430326E+21
-733	5,366639E+21	8,612305E+21	1,099132E+22	1,099124E+22	8,612052E+21	5,366413E+21	2,430205E+21	5,903667E+20	3,376315E+19	3,377826E+19	5,905340E+20	2,430529E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-732	5,366725E+21	8,612162E+21	1,099100E+22	1,099090E+22	8,612052E+21	5,366685E+21	2,430453E+21	5,904551E+20	3,376217E+19	3,375712E+19	5,903821E+20	2,430237E+21
-731	5,366348E+21	8,611895E+21	1,099122E+22	1,099139E+22	8,612314E+21	5,366751E+21	2,430500E+21	5,905179E+20	3,378050E+19	3,377234E+19	5,904356E+20	2,430379E+21
-730	5,366730E+21	8,612379E+21	1,099142E+22	1,099118E+22	8,611866E+21	5,366328E+21	2,430235E+21	5,904113E+20	3,377377E+19	3,378801E+19	5,905599E+20	2,430496E+21
-729	5,366525E+21	8,611678E+21	1,099046E+22	1,099069E+22	8,611994E+21	5,366666E+21	2,430554E+21	5,906047E+20	3,380512E+19	3,379428E+19	5,904885E+20	2,430292E+21
-728	5,366296E+21	8,611712E+21	1,099068E+22	1,099071E+22	8,611871E+21	5,366506E+21	2,430442E+21	5,905979E+20	3,382316E+19	3,383084E+19	5,906733E+20	2,430632E+21
-727	5,366703E+21	8,611879E+21	1,099041E+22	1,099006E+22	8,611285E+21	5,366266E+21	2,430412E+21	5,906179E+20	3,383608E+19	3,384681E+19	5,907285E+20	2,430559E+21
-726	5,366307E+21	8,611094E+21	1,098961E+22	1,098985E+22	8,611481E+21	5,366566E+21	2,430737E+21	5,908415E+20	3,387544E+19	3,386622E+19	5,907061E+20	2,430440E+21
-725	5,366300E+21	8,611421E+21	1,098985E+22	1,098972E+22	8,611158E+21	5,366184E+21	2,430473E+21	5,907712E+20	3,388668E+19	3,389978E+19	5,909146E+20	2,430744E+21
-724	5,366402E+21	8,611089E+21	1,098915E+22	1,098897E+22	8,610838E+21	5,366269E+21	2,430672E+21	5,908935E+20	3,390858E+19	3,390836E+19	5,908798E+20	2,430551E+21
-723	5,365944E+21	8,610423E+21	1,098875E+22	1,098912E+22	8,611124E+21	5,366462E+21	2,430831E+21	5,910169E+20	3,393256E+19	3,392401E+19	5,909073E+20	2,430633E+21
-722	5,366274E+21	8,610961E+21	1,098902E+22	1,098889E+22	8,610643E+21	5,366011E+21	2,430518E+21	5,908765E+20	3,392327E+19	3,393535E+19	5,910430E+20	2,430859E+21
-721	5,366312E+21	8,610566E+21	1,098830E+22	1,098841E+22	8,610698E+21	5,366318E+21	2,430788E+21	5,909893E+20	3,392695E+19	3,392031E+19	5,908880E+20	2,430552E+21
-720	5,366039E+21	8,610688E+21	1,098892E+22	1,098897E+22	8,610889E+21	5,366300E+21	2,430712E+21	5,909461E+20	3,392199E+19	3,391777E+19	5,909231E+20	2,430739E+21
-719	5,366504E+21	8,611294E+21	1,098939E+22	1,098904E+22	8,610636E+21	5,366016E+21	2,430499E+21	5,908074E+20	3,389581E+19	3,390549E+19	5,909136E+20	2,430677E+21
-718	5,366227E+21	8,610804E+21	1,098906E+22	1,098935E+22	8,611225E+21	5,366449E+21	2,430736E+21	5,908868E+20	3,388795E+19	3,387462E+19	5,907277E+20	2,430425E+21
-717	5,366175E+21	8,611289E+21	1,098988E+22	1,098989E+22	8,611364E+21	5,366288E+21	2,430452E+21	5,907087E+20	3,386458E+19	3,386952E+19	5,908043E+20	2,430697E+21
-716	5,366536E+21	8,611464E+21	1,098988E+22	1,098973E+22	8,611231E+21	5,366330E+21	2,430488E+21	5,906540E+20	3,383780E+19	3,384316E+19	5,906841E+20	2,430481E+21
-715	5,366234E+21	8,611108E+21	1,098981E+22	1,099022E+22	8,611772E+21	5,366666E+21	2,430686E+21	5,907407E+20	3,384154E+19	3,382578E+19	5,905793E+20	2,430385E+21
-714	5,366453E+21	8,611844E+21	1,099055E+22	1,099043E+22	8,611553E+21	5,366286E+21	2,430347E+21	5,905631E+20	3,382046E+19	3,383183E+19	5,906965E+20	2,430620E+21
-713	5,366555E+21	8,611613E+21	1,099009E+22	1,099001E+22	8,611497E+21	5,366478E+21	2,430541E+21	5,906446E+20	3,382302E+19	3,381746E+19	5,905723E+20	2,430338E+21
-712	5,366166E+21	8,611347E+21	1,099027E+22	1,099043E+22	8,611728E+21	5,366560E+21	2,430597E+21	5,907062E+20	3,384197E+19	3,383589E+19	5,906425E+20	2,430505E+21
-711	5,366540E+21	8,611767E+21	1,099041E+22	1,099019E+22	8,611303E+21	5,366162E+21	2,430338E+21	5,906008E+20	3,383642E+19	3,385315E+19	5,907751E+20	2,430649E+21
-710	5,366413E+21	8,611177E+21	1,098949E+22	1,098970E+22	8,611407E+21	5,366476E+21	2,430645E+21	5,907869E+20	3,386570E+19	3,385786E+19	5,906955E+20	2,430434E+21
-709	5,366186E+21	8,611221E+21	1,098972E+22	1,098972E+22	8,611298E+21	5,366335E+21	2,430546E+21	5,907866E+20	3,388389E+19	3,389267E+19	5,908644E+20	2,430726E+21
-708	5,366510E+21	8,611295E+21	1,098940E+22	1,098906E+22	8,610701E+21	5,366110E+21	2,430553E+21	5,908305E+20	3,390135E+19	3,391063E+19	5,909250E+20	2,430656E+21
-707	5,366110E+21	8,610506E+21	1,098858E+22	1,098888E+22	8,610952E+21	5,366427E+21	2,430893E+21	5,910723E+20	3,394504E+19	3,393287E+19	5,909083E+20	2,430523E+21
-706	5,366015E+21	8,610715E+21	1,098880E+22	1,098876E+22	8,610635E+21	5,366047E+21	2,430618E+21	5,909956E+20	3,395557E+19	3,396610E+19	5,911275E+20	2,430896E+21
-705	5,366228E+21	8,610378E+21	1,098793E+22	1,098783E+22	8,610213E+21	5,366076E+21	2,430770E+21	5,910903E+20	3,397335E+19	3,397460E+19	5,910955E+20	2,430710E+21
-704	5,365847E+21	8,609892E+21	1,098768E+22	1,098797E+22	8,610436E+21	5,366266E+21	2,430938E+21	5,912003E+20	3,399176E+19	3,398498E+19	5,911048E+20	2,430772E+21
-703	5,366181E+21	8,610513E+21	1,098813E+22	1,098791E+22	8,610032E+21	5,365819E+21	2,430617E+21	5,910552E+20	3,398020E+19	3,399281E+19	5,912217E+20	2,430965E+21
-702	5,366217E+21	8,610236E+21	1,098762E+22	1,098761E+22	8,610155E+21	5,366111E+21	2,430858E+21	5,911496E+20	3,397899E+19	3,397275E+19	5,910487E+20	2,430626E+21
-701	5,365879E+21	8,610279E+21	1,098827E+22	1,098832E+22	8,610480E+21	5,366139E+21	2,430776E+21	5,910973E+20	3,397151E+19	3,396684E+19	5,910710E+20	2,430790E+21
-700	5,366276E+21	8,610725E+21	1,098856E+22	1,098835E+22	8,610290E+21	5,365924E+21	2,430592E+21	5,909621E+20	3,394483E+19	3,395417E+19	5,910662E+20	2,430761E+21
-699	5,366062E+21	8,610281E+21	1,098818E+22	1,098860E+22	8,610888E+21	5,366401E+21	2,430863E+21	5,910523E+20	3,393834E+19	3,392315E+19	5,908772E+20	2,430502E+21
-698	5,365991E+21	8,610761E+21	1,098904E+22	1,098912E+22	8,610967E+21	5,366220E+21	2,430588E+21	5,908800E+20	3,391506E+19	3,391795E+19	5,909565E+20	2,430808E+21
-697	5,366431E+21	8,610966E+21	1,098893E+22	1,098877E+22	8,610694E+21	5,366173E+21	2,430587E+21	5,908223E+20	3,389029E+19	3,389549E+19	5,908477E+20	2,430576E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-696	5,366122E+21	8,610704E+21	1,098899E+22	1,098927E+22	8,611156E+21	5,366481E+21	2,430794E+21	5,909182E+20	3,389691E+19	3,388162E+19	5,907561E+20	2,430480E+21
-695	5,366279E+21	8,611339E+21	1,098973E+22	1,098959E+22	8,610999E+21	5,366075E+21	2,430433E+21	5,907473E+20	3,387974E+19	3,389229E+19	5,908917E+20	2,430738E+21
-694	5,366401E+21	8,611113E+21	1,098922E+22	1,098913E+22	8,610962E+21	5,366261E+21	2,430595E+21	5,908136E+20	3,388147E+19	3,387874E+19	5,907769E+20	2,430484E+21
-693	5,366036E+21	8,610816E+21	1,098933E+22	1,098950E+22	8,611212E+21	5,366385E+21	2,430663E+21	5,908716E+20	3,389884E+19	3,389565E+19	5,908350E+20	2,430633E+21
-692	5,366398E+21	8,611192E+21	1,098937E+22	1,098919E+22	8,610758E+21	5,366021E+21	2,430458E+21	5,907903E+20	3,389655E+19	3,391353E+19	5,909645E+20	2,430769E+21
-691	5,366302E+21	8,610689E+21	1,098851E+22	1,098871E+22	8,610878E+21	5,366360E+21	2,430806E+21	5,910059E+20	3,393135E+19	3,392088E+19	5,908812E+20	2,430505E+21
-690	5,365953E+21	8,610641E+21	1,098880E+22	1,098880E+22	8,610763E+21	5,366208E+21	2,430715E+21	5,910193E+20	3,395247E+19	3,395741E+19	5,910596E+20	2,430820E+21
-689	5,366271E+21	8,610596E+21	1,098828E+22	1,098801E+22	8,610110E+21	5,365918E+21	2,430674E+21	5,910519E+20	3,397142E+19	3,398009E+19	5,911429E+20	2,430771E+21
-688	5,365893E+21	8,609849E+21	1,098746E+22	1,098774E+22	8,610307E+21	5,366249E+21	2,431016E+21	5,912803E+20	3,401204E+19	3,400170E+19	5,911330E+20	2,430670E+21
-687	5,365825E+21	8,610036E+21	1,098768E+22	1,098766E+22	8,610005E+21	5,365862E+21	2,430728E+21	5,911936E+20	3,401990E+19	3,403204E+19	5,913424E+20	2,431052E+21
-686	5,366137E+21	8,609894E+21	1,098696E+22	1,098679E+22	8,609582E+21	5,365858E+21	2,430848E+21	5,912642E+20	3,403104E+19	3,403467E+19	5,912907E+20	2,430851E+21
-685	5,365774E+21	8,609492E+21	1,098685E+22	1,098705E+22	8,609869E+21	5,366068E+21	2,431010E+21	5,913657E+20	3,404552E+19	3,403864E+19	5,912678E+20	2,430849E+21
-684	5,366023E+21	8,610049E+21	1,098734E+22	1,098710E+22	8,609545E+21	5,365678E+21	2,430730E+21	5,912350E+20	3,403526E+19	3,404592E+19	5,913816E+20	2,431037E+21
-683	5,366050E+21	8,609765E+21	1,098687E+22	1,098693E+22	8,609791E+21	5,366006E+21	2,430979E+21	5,913360E+20	3,403557E+19	3,402628E+19	5,912087E+20	2,430686E+21
-682	5,365637E+21	8,609687E+21	1,098744E+22	1,098763E+22	8,610147E+21	5,366073E+21	2,430900E+21	5,912757E+20	3,402614E+19	3,401895E+19	5,912352E+20	2,430900E+21
-681	5,366112E+21	8,610109E+21	1,098755E+22	1,098744E+22	8,609836E+21	5,365808E+21	2,430686E+21	5,911226E+20	3,399693E+19	3,400726E+19	5,912360E+20	2,430878E+21
-680	5,365970E+21	8,609835E+21	1,098728E+22	1,098759E+22	8,610300E+21	5,366255E+21	2,430969E+21	5,912112E+20	3,398890E+19	3,397500E+19	5,910436E+20	2,430609E+21
-679	5,365873E+21	8,610301E+21	1,098821E+22	1,098821E+22	8,610411E+21	5,366051E+21	2,430686E+21	5,910464E+20	3,396720E+19	3,397059E+19	5,911184E+20	2,430893E+21
-678	5,366319E+21	8,610607E+21	1,098823E+22	1,098796E+22	8,610145E+21	5,365952E+21	2,430642E+21	5,909764E+20	3,394136E+19	3,394817E+19	5,910170E+20	2,430671E+21
-677	5,365982E+21	8,610265E+21	1,098826E+22	1,098851E+22	8,610674E+21	5,366272E+21	2,430835E+21	5,910694E+20	3,394844E+19	3,393451E+19	5,909233E+20	2,430567E+21
-676	5,366090E+21	8,610766E+21	1,098883E+22	1,098875E+22	8,610562E+21	5,365949E+21	2,430525E+21	5,909139E+20	3,393383E+19	3,394753E+19	5,910709E+20	2,430861E+21
-675	5,366279E+21	8,610587E+21	1,098830E+22	1,098828E+22	8,610525E+21	5,366158E+21	2,430719E+21	5,909992E+20	3,393984E+19	3,393628E+19	5,909560E+20	2,430588E+21
-674	5,365873E+21	8,610267E+21	1,098841E+22	1,098861E+22	8,610743E+21	5,366291E+21	2,430811E+21	5,910727E+20	3,395949E+19	3,395458E+19	5,910166E+20	2,430746E+21
-673	5,366254E+21	8,610622E+21	1,098832E+22	1,098812E+22	8,610168E+21	5,365865E+21	2,430592E+21	5,910020E+20	3,396220E+19	3,397801E+19	5,911608E+20	2,430863E+21
-672	5,366122E+21	8,610160E+21	1,098755E+22	1,098760E+22	8,610195E+21	5,366181E+21	2,430957E+21	5,912311E+20	3,400074E+19	3,399011E+19	5,910974E+20	2,430611E+21
-671	5,365704E+21	8,609942E+21	1,098775E+22	1,098779E+22	8,610163E+21	5,366014E+21	2,430842E+21	5,912467E+20	3,402422E+19	3,402931E+19	5,912877E+20	2,430948E+21
-670	5,366073E+21	8,609957E+21	1,098718E+22	1,098692E+22	8,609486E+21	5,365700E+21	2,430758E+21	5,912524E+20	3,403883E+19	3,405020E+19	5,913764E+20	2,430942E+21
-669	5,365762E+21	8,609245E+21	1,098637E+22	1,098664E+22	8,609669E+21	5,366032E+21	2,431089E+21	5,914633E+20	3,407383E+19	3,406546E+19	5,913376E+20	2,430812E+21
-668	5,365704E+21	8,609461E+21	1,098662E+22	1,098658E+22	8,609394E+21	5,365692E+21	2,430845E+21	5,913866E+20	3,408080E+19	3,409238E+19	5,915305E+20	2,431173E+21
-667	5,366039E+21	8,609437E+21	1,098609E+22	1,098588E+22	8,609054E+21	5,365714E+21	2,430982E+21	5,914673E+20	3,409255E+19	3,409298E+19	5,914601E+20	2,430914E+21
-666	5,365573E+21	8,608996E+21	1,098611E+22	1,098631E+22	8,609429E+21	5,365950E+21	2,431145E+21	5,915659E+20	3,410565E+19	3,409492E+19	5,914365E+20	2,430927E+21
-665	5,365813E+21	8,609444E+21	1,098640E+22	1,098624E+22	8,609100E+21	5,365544E+21	2,430833E+21	5,914209E+20	3,409439E+19	3,410397E+19	5,915601E+20	2,431122E+21
-664	5,365855E+21	8,609206E+21	1,098596E+22	1,098600E+22	8,609300E+21	5,365904E+21	2,431090E+21	5,915042E+20	3,408992E+19	3,408232E+19	5,913917E+20	2,430805E+21
-663	5,365474E+21	8,609093E+21	1,098651E+22	1,098675E+22	8,609666E+21	5,365947E+21	2,430997E+21	5,914345E+20	3,407757E+19	3,407211E+19	5,914056E+20	2,431012E+21
-662	5,366030E+21	8,609690E+21	1,098670E+22	1,098653E+22	8,609298E+21	5,365628E+21	2,430746E+21	5,912610E+20	3,404316E+19	3,405647E+19	5,913975E+20	2,430991E+21
-661	5,365907E+21	8,609488E+21	1,098657E+22	1,098674E+22	8,609759E+21	5,366061E+21	2,431018E+21	5,913472E+20	3,403380E+19	3,402049E+19	5,911847E+20	2,430679E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-660	5,365738E+21	8,609873E+21	1,098749E+22	1,098743E+22	8,609920E+21	5,365894E+21	2,430777E+21	5,912067E+20	3,401683E+19	3,401955E+19	5,912702E+20	2,430970E+21
-659	5,366172E+21	8,610142E+21	1,098751E+22	1,098729E+22	8,609753E+21	5,365819E+21	2,430740E+21	5,911525E+20	3,399635E+19	3,400100E+19	5,911807E+20	2,430753E+21
-658	5,365790E+21	8,609713E+21	1,098744E+22	1,098777E+22	8,610296E+21	5,366177E+21	2,430941E+21	5,912468E+20	3,400483E+19	3,398989E+19	5,911013E+20	2,430693E+21
-657	5,365952E+21	8,610164E+21	1,098778E+22	1,098776E+22	8,610052E+21	5,365822E+21	2,430635E+21	5,910972E+20	3,399280E+19	3,400698E+19	5,912577E+20	2,430981E+21
-656	5,366175E+21	8,610114E+21	1,098736E+22	1,098720E+22	8,609903E+21	5,366016E+21	2,430854E+21	5,911950E+20	3,400174E+19	3,399892E+19	5,911521E+20	2,430699E+21
-655	5,365712E+21	8,609710E+21	1,098747E+22	1,098762E+22	8,610146E+21	5,366126E+21	2,430947E+21	5,912856E+20	3,402534E+19	3,402022E+19	5,912141E+20	2,430826E+21
-654	5,366063E+21	8,610095E+21	1,098740E+22	1,098714E+22	8,609554E+21	5,365652E+21	2,430691E+21	5,912069E+20	3,402845E+19	3,404519E+19	5,913743E+20	2,430975E+21
-653	5,365915E+21	8,609542E+21	1,098657E+22	1,098661E+22	8,609604E+21	5,365967E+21	2,431037E+21	5,914268E+20	3,406558E+19	3,405614E+19	5,913080E+20	2,430728E+21
-652	5,365484E+21	8,609219E+21	1,098660E+22	1,098671E+22	8,609597E+21	5,365869E+21	2,430964E+21	5,914488E+20	3,408905E+19	3,409507E+19	5,915023E+20	2,431098E+21
-651	5,365938E+21	8,609331E+21	1,098611E+22	1,098589E+22	8,608928E+21	5,365554E+21	2,430890E+21	5,914605E+20	3,410407E+19	3,411447E+19	5,915794E+20	2,431075E+21
-650	5,365630E+21	8,608684E+21	1,098538E+22	1,098565E+22	8,609118E+21	5,365890E+21	2,431220E+21	5,916676E+20	3,413681E+19	3,412670E+19	5,915286E+20	2,430937E+21
-649	5,365578E+21	8,608922E+21	1,098561E+22	1,098552E+22	8,608785E+21	5,365524E+21	2,430972E+21	5,915937E+20	3,414527E+19	3,415486E+19	5,917199E+20	2,431267E+21
-648	5,365885E+21	8,608972E+21	1,098526E+22	1,098492E+22	8,608435E+21	5,365540E+21	2,431108E+21	5,916705E+20	3,415653E+19	3,415672E+19	5,916578E+20	2,431009E+21
-647	5,365352E+21	8,608372E+21	1,098519E+22	1,098547E+22	8,608944E+21	5,365796E+21	2,431249E+21	5,917582E+20	3,416755E+19	3,415686E+19	5,916298E+20	2,431026E+21
-646	5,365645E+21	8,608906E+21	1,098546E+22	1,098534E+22	8,608610E+21	5,365390E+21	2,430900E+21	5,915774E+20	3,414830E+19	3,416090E+19	5,917483E+20	2,431258E+21
-645	5,365752E+21	8,608718E+21	1,098507E+22	1,098509E+22	8,608766E+21	5,365732E+21	2,431145E+21	5,916417E+20	3,413661E+19	3,413096E+19	5,915473E+20	2,430907E+21
-644	5,365376E+21	8,608618E+21	1,098563E+22	1,098585E+22	8,609160E+21	5,365822E+21	2,431097E+21	5,915850E+20	3,412426E+19	3,411852E+19	5,915491E+20	2,431092E+21
-643	5,365928E+21	8,609298E+21	1,098601E+22	1,098581E+22	8,608843E+21	5,365494E+21	2,430855E+21	5,914273E+20	3,409274E+19	3,410310E+19	5,915334E+20	2,431035E+21
-642	5,365726E+21	8,609047E+21	1,098592E+22	1,098611E+22	8,609358E+21	5,365931E+21	2,431117E+21	5,915152E+20	3,408525E+19	3,406916E+19	5,913347E+20	2,430751E+21
-641	5,365551E+21	8,609321E+21	1,098661E+22	1,098663E+22	8,609481E+21	5,365762E+21	2,430870E+21	5,913794E+20	3,407194E+19	3,407398E+19	5,914408E+20	2,431063E+21
-640	5,366013E+21	8,609637E+21	1,098665E+22	1,098638E+22	8,609246E+21	5,365707E+21	2,430849E+21	5,913243E+20	3,405265E+19	3,405861E+19	5,913687E+20	2,430877E+21
-639	5,365644E+21	8,609142E+21	1,098651E+22	1,098688E+22	8,609802E+21	5,366051E+21	2,431053E+21	5,914258E+20	3,406262E+19	3,404909E+19	5,912868E+20	2,430803E+21
-638	5,365858E+21	8,609722E+21	1,098687E+22	1,098678E+22	8,609488E+21	5,365655E+21	2,430725E+21	5,912718E+20	3,404998E+19	3,406640E+19	5,914471E+20	2,431094E+21
-637	5,366057E+21	8,609662E+21	1,098651E+22	1,098625E+22	8,609295E+21	5,365817E+21	2,430943E+21	5,913778E+20	3,406079E+19	3,405839E+19	5,913370E+20	2,430788E+21
-636	5,365519E+21	8,609112E+21	1,098650E+22	1,098667E+22	8,609583E+21	5,365964E+21	2,431077E+21	5,914931E+20	3,408973E+19	3,408459E+19	5,914180E+20	2,430931E+21
-635	5,365845E+21	8,609427E+21	1,098640E+22	1,098624E+22	8,609043E+21	5,365501E+21	2,430821E+21	5,914260E+20	3,409705E+19	3,411220E+19	5,915871E+20	2,431099E+21
-634	5,365706E+21	8,608859E+21	1,098549E+22	1,098562E+22	8,609065E+21	5,365829E+21	2,431162E+21	5,916367E+20	3,413281E+19	3,412331E+19	5,915275E+20	2,430890E+21
-633	5,365351E+21	8,608559E+21	1,098536E+22	1,098548E+22	8,608913E+21	5,365690E+21	2,431091E+21	5,916619E+20	3,415704E+19	3,416267E+19	5,917146E+20	2,431236E+21
-632	5,365834E+21	8,608829E+21	1,098507E+22	1,098470E+22	8,608213E+21	5,365373E+21	2,431027E+21	5,916749E+20	3,417202E+19	3,418210E+19	5,917880E+20	2,431192E+21
-631	5,365476E+21	8,608148E+21	1,098444E+22	1,098467E+22	8,608506E+21	5,365698E+21	2,431340E+21	5,918791E+20	3,420371E+19	3,419289E+19	5,917257E+20	2,431020E+21
-630	5,365408E+21	8,608429E+21	1,098472E+22	1,098461E+22	8,608216E+21	5,365322E+21	2,431059E+21	5,917849E+20	3,420798E+19	3,421820E+19	5,919192E+20	2,431370E+21
-629	5,365693E+21	8,608414E+21	1,098439E+22	1,098408E+22	8,607942E+21	5,365365E+21	2,431175E+21	5,918361E+20	3,421209E+19	3,421373E+19	5,918389E+20	2,431110E+21
-628	5,365164E+21	8,607754E+21	1,098422E+22	1,098459E+22	8,608490E+21	5,365697E+21	2,431358E+21	5,919212E+20	3,421965E+19	3,420982E+19	5,918017E+20	2,431133E+21
-627	5,365500E+21	8,608367E+21	1,098459E+22	1,098454E+22	8,608172E+21	5,365290E+21	2,431018E+21	5,917422E+20	3,419867E+19	3,420984E+19	5,918980E+20	2,431340E+21
-626	5,365620E+21	8,608264E+21	1,098428E+22	1,098430E+22	8,608319E+21	5,365625E+21	2,431255E+21	5,918012E+20	3,418479E+19	3,417746E+19	5,916921E+20	2,430990E+21
-625	5,365249E+21	8,608164E+21	1,098477E+22	1,098495E+22	8,608620E+21	5,365677E+21	2,431208E+21	5,917573E+20	3,417662E+19	3,416852E+19	5,917000E+20	2,431159E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-624	5,365777E+21	8,608884E+21	1,098529E+22	1,098500E+22	8,608320E+21	5,365343E+21	2,430961E+21	5,916037E+20	3,414815E+19	3,415796E+19	5,917074E+20	2,431130E+21
-623	5,365544E+21	8,608501E+21	1,098509E+22	1,098537E+22	8,608928E+21	5,365778E+21	2,431196E+21	5,916848E+20	3,414172E+19	3,412642E+19	5,915172E+20	2,430865E+21
-622	5,365440E+21	8,608851E+21	1,098572E+22	1,098576E+22	8,608987E+21	5,365602E+21	2,430932E+21	5,915320E+20	3,412500E+19	3,413059E+19	5,916297E+20	2,431208E+21
-621	5,365939E+21	8,609200E+21	1,098580E+22	1,098549E+22	8,608698E+21	5,365522E+21	2,430909E+21	5,914717E+20	3,410307E+19	3,411117E+19	5,915368E+20	2,430986E+21
-620	5,365541E+21	8,608674E+21	1,098562E+22	1,098596E+22	8,609274E+21	5,365923E+21	2,431170E+21	5,915991E+20	3,411692E+19	3,410405E+19	5,914570E+20	2,430886E+21
-619	5,365694E+21	8,609241E+21	1,098608E+22	1,098599E+22	8,608993E+21	5,365523E+21	2,430861E+21	5,914710E+20	3,411022E+19	3,412411E+19	5,916178E+20	2,431153E+21
-618	5,365829E+21	8,609084E+21	1,098563E+22	1,098544E+22	8,608814E+21	5,365680E+21	2,431071E+21	5,915839E+20	3,412453E+19	3,412045E+19	5,915331E+20	2,430888E+21
-617	5,365289E+21	8,608404E+21	1,098533E+22	1,098560E+22	8,609014E+21	5,365821E+21	2,431209E+21	5,917080E+20	3,415743E+19	3,415184E+19	5,916324E+20	2,431062E+21
-616	5,365662E+21	8,608791E+21	1,098528E+22	1,098508E+22	8,608386E+21	5,365344E+21	2,430957E+21	5,916400E+20	3,416616E+19	3,418217E+19	5,918146E+20	2,431257E+21
-615	5,365554E+21	8,608206E+21	1,098434E+22	1,098450E+22	8,608411E+21	5,365634E+21	2,431280E+21	5,918471E+20	3,420108E+19	3,419254E+19	5,917429E+20	2,431027E+21
-614	5,365264E+21	8,608087E+21	1,098432E+22	1,098435E+22	8,608222E+21	5,365466E+21	2,431187E+21	5,918603E+20	3,422203E+19	3,422895E+19	5,919244E+20	2,431364E+21
-613	5,365712E+21	8,608377E+21	1,098420E+22	1,098372E+22	8,607552E+21	5,365133E+21	2,431113E+21	5,918687E+20	3,423491E+19	3,424481E+19	5,919792E+20	2,431281E+21
-612	5,365275E+21	8,607576E+21	1,098353E+22	1,098379E+22	8,607985E+21	5,365542E+21	2,431461E+21	5,920804E+20	3,426703E+19	3,425598E+19	5,919235E+20	2,431115E+21
-611	5,365177E+21	8,607797E+21	1,098381E+22	1,098383E+22	8,607794E+21	5,365212E+21	2,431185E+21	5,919844E+20	3,427054E+19	3,427864E+19	5,921057E+20	2,431469E+21
-610	5,365487E+21	8,607782E+21	1,098341E+22	1,098323E+22	8,607511E+21	5,365274E+21	2,431296E+21	5,920152E+20	3,426871E+19	3,427042E+19	5,920215E+20	2,431233E+21
-609	5,365024E+21	8,607158E+21	1,098311E+22	1,098353E+22	8,607928E+21	5,365571E+21	2,431483E+21	5,921014E+20	3,427536E+19	3,426427E+19	5,919709E+20	2,431234E+21
-608	5,365378E+21	8,607921E+21	1,098370E+22	1,098354E+22	8,607576E+21	5,365148E+21	2,431140E+21	5,919221E+20	3,425426E+19	3,426428E+19	5,920639E+20	2,431424E+21
-607	5,365460E+21	8,607790E+21	1,098349E+22	1,098349E+22	8,607794E+21	5,365447E+21	2,431349E+21	5,919755E+20	3,423984E+19	3,423151E+19	5,918543E+20	2,431064E+21
-606	5,365118E+21	8,607761E+21	1,098400E+22	1,098415E+22	8,608108E+21	5,365476E+21	2,431265E+21	5,919134E+20	3,422898E+19	3,422230E+19	5,918751E+20	2,431268E+21
-605	5,365640E+21	8,608437E+21	1,098453E+22	1,098425E+22	8,607864E+21	5,365162E+21	2,431003E+21	5,917414E+20	3,419587E+19	3,420790E+19	5,918715E+20	2,431245E+21
-604	5,365426E+21	8,608016E+21	1,098425E+22	1,098459E+22	8,608509E+21	5,365671E+21	2,431282E+21	5,918276E+20	3,418932E+19	3,417647E+19	5,916831E+20	2,430984E+21
-603	5,365334E+21	8,608392E+21	1,098494E+22	1,098503E+22	8,608576E+21	5,365503E+21	2,431045E+21	5,916930E+20	3,417478E+19	3,417955E+19	5,917774E+20	2,431286E+21
-602	5,365811E+21	8,608772E+21	1,098504E+22	1,098473E+22	8,608266E+21	5,365423E+21	2,431030E+21	5,916424E+20	3,415536E+19	3,416244E+19	5,916955E+20	2,431063E+21
-601	5,365376E+21	8,608169E+21	1,098467E+22	1,098500E+22	8,608699E+21	5,365779E+21	2,431311E+21	5,918020E+20	3,417807E+19	3,416296E+19	5,916351E+20	2,430956E+21
-600	5,365460E+21	8,608665E+21	1,098514E+22	1,098503E+22	8,608421E+21	5,365373E+21	2,431001E+21	5,916890E+20	3,417799E+19	3,419060E+19	5,918255E+20	2,431260E+21
-599	5,365588E+21	8,608381E+21	1,098454E+22	1,098446E+22	8,608268E+21	5,365507E+21	2,431184E+21	5,917967E+20	3,419410E+19	3,419053E+19	5,917565E+20	2,431036E+21
-598	5,365161E+21	8,607814E+21	1,098416E+22	1,098442E+22	8,608330E+21	5,365602E+21	2,431300E+21	5,919049E+20	3,422362E+19	3,422103E+19	5,918607E+20	2,431237E+21
-597	5,365570E+21	8,608269E+21	1,098422E+22	1,098395E+22	8,607682E+21	5,365097E+21	2,431039E+21	5,918290E+20	3,422890E+19	3,424626E+19	5,920174E+20	2,431393E+21
-596	5,365441E+21	8,607703E+21	1,098336E+22	1,098345E+22	8,607776E+21	5,365441E+21	2,431396E+21	5,920470E+20	3,426495E+19	3,425710E+19	5,919418E+20	2,431128E+21
-595	5,365079E+21	8,607560E+21	1,098350E+22	1,098352E+22	8,607683E+21	5,365298E+21	2,431320E+21	5,920760E+20	3,428838E+19	3,429224E+19	5,921107E+20	2,431433E+21
-594	5,365469E+21	8,607776E+21	1,098331E+22	1,098294E+22	8,607117E+21	5,365008E+21	2,431241E+21	5,920751E+20	3,429992E+19	3,430875E+19	5,921786E+20	2,431376E+21
-593	5,365030E+21	8,606878E+21	1,098238E+22	1,098276E+22	8,607478E+21	5,365438E+21	2,431601E+21	5,922866E+20	3,433150E+19	3,431973E+19	5,921254E+20	2,431232E+21
-592	5,364973E+21	8,607163E+21	1,098275E+22	1,098278E+22	8,607247E+21	5,365114E+21	2,431329E+21	5,921832E+20	3,433304E+19	3,434080E+19	5,923019E+20	2,431595E+21
-591	5,365330E+21	8,607174E+21	1,098235E+22	1,098223E+22	8,606967E+21	5,365125E+21	2,431411E+21	5,921987E+20	3,432666E+19	3,432881E+19	5,922021E+20	2,431351E+21
-590	5,364957E+21	8,606754E+21	1,098217E+22	1,098249E+22	8,607297E+21	5,365363E+21	2,431562E+21	5,922653E+20	3,432869E+19	3,431866E+19	5,921459E+20	2,431351E+21
-589	5,365281E+21	8,607548E+21	1,098297E+22	1,098270E+22	8,606986E+21	5,364907E+21	2,431195E+21	5,920746E+20	3,430407E+19	3,431463E+19	5,922222E+20	2,431516E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-588	5,365317E+21	8,607340E+21	1,098275E+22	1,098278E+22	8,607349E+21	5,365278E+21	2,431417E+21	5,921271E+20	3,428995E+19	3,428289E+19	5,920219E+20	2,431169E+21
-587	5,364966E+21	8,607295E+21	1,098331E+22	1,098352E+22	8,607748E+21	5,365358E+21	2,431347E+21	5,920678E+20	3,427921E+19	3,427188E+19	5,920309E+20	2,431370E+21
-586	5,365517E+21	8,607978E+21	1,098375E+22	1,098355E+22	8,607498E+21	5,365075E+21	2,431097E+21	5,918900E+20	3,424377E+19	3,425632E+19	5,920248E+20	2,431341E+21
-585	5,365311E+21	8,607541E+21	1,098331E+22	1,098366E+22	8,608015E+21	5,365568E+21	2,431407E+21	5,919989E+20	3,424158E+19	3,422717E+19	5,918359E+20	2,431059E+21
-584	5,365184E+21	8,607959E+21	1,098412E+22	1,098412E+22	8,608053E+21	5,365391E+21	2,431184E+21	5,918850E+20	3,423280E+19	3,423554E+19	5,919396E+20	2,431340E+21
-583	5,365581E+21	8,608207E+21	1,098416E+22	1,098390E+22	8,607762E+21	5,365264E+21	2,431153E+21	5,918438E+20	3,421781E+19	3,422324E+19	5,918766E+20	2,431140E+21
-582	5,365187E+21	8,607618E+21	1,098369E+22	1,098402E+22	8,608125E+21	5,365579E+21	2,431402E+21	5,919942E+20	3,424108E+19	3,422758E+19	5,918457E+20	2,431090E+21
-581	5,365276E+21	8,608060E+21	1,098412E+22	1,098403E+22	8,607823E+21	5,365156E+21	2,431077E+21	5,918703E+20	3,423866E+19	3,425347E+19	5,920318E+20	2,431408E+21
-580	5,365439E+21	8,607771E+21	1,098347E+22	1,098341E+22	8,607676E+21	5,365330E+21	2,431286E+21	5,919828E+20	3,425577E+19	3,425489E+19	5,919685E+20	2,431190E+21
-579	5,365039E+21	8,607281E+21	1,098322E+22	1,098346E+22	8,607749E+21	5,365422E+21	2,431415E+21	5,921046E+20	3,428673E+19	3,428346E+19	5,920520E+20	2,431350E+21
-578	5,365435E+21	8,607775E+21	1,098330E+22	1,098301E+22	8,607133E+21	5,364943E+21	2,431166E+21	5,920338E+20	3,429332E+19	3,430979E+19	5,922129E+20	2,431489E+21
-577	5,365249E+21	8,607129E+21	1,098233E+22	1,098241E+22	8,607168E+21	5,365279E+21	2,431546E+21	5,922748E+20	3,433487E+19	3,432532E+19	5,921503E+20	2,431225E+21
-576	5,364837E+21	8,606919E+21	1,098248E+22	1,098254E+22	8,607144E+21	5,365165E+21	2,431470E+21	5,923093E+20	3,436138E+19	3,436367E+19	5,923312E+20	2,431547E+21
-575	5,365219E+21	8,607035E+21	1,098217E+22	1,098194E+22	8,606614E+21	5,364879E+21	2,431373E+21	5,922910E+20	3,436964E+19	3,437888E+19	5,923991E+20	2,431525E+21
-574	5,364910E+21	8,606294E+21	1,098122E+22	1,098158E+22	8,606828E+21	5,365251E+21	2,431701E+21	5,924729E+20	3,439328E+19	3,438407E+19	5,923373E+20	2,431394E+21
-573	5,364877E+21	8,606658E+21	1,098175E+22	1,098170E+22	8,606585E+21	5,364884E+21	2,431407E+21	5,923506E+20	3,438764E+19	3,439630E+19	5,924753E+20	2,431707E+21
-572	5,365226E+21	8,606734E+21	1,098150E+22	1,098131E+22	8,606392E+21	5,364936E+21	2,431498E+21	5,923634E+20	3,437912E+19	3,438211E+19	5,923682E+20	2,431441E+21
-571	5,364808E+21	8,606334E+21	1,098152E+22	1,098180E+22	8,606816E+21	5,365183E+21	2,431649E+21	5,924338E+20	3,438100E+19	3,436824E+19	5,922936E+20	2,431415E+21
-570	5,365107E+21	8,607084E+21	1,098228E+22	1,098208E+22	8,606648E+21	5,364796E+21	2,431280E+21	5,922300E+20	3,435386E+19	3,436402E+19	5,923775E+20	2,431598E+21
-569	5,365145E+21	8,606820E+21	1,098189E+22	1,098196E+22	8,606934E+21	5,365183E+21	2,431520E+21	5,922875E+20	3,434090E+19	3,433323E+19	5,921808E+20	2,431266E+21
-568	5,364818E+21	8,606803E+21	1,098247E+22	1,098269E+22	8,607325E+21	5,365285E+21	2,431468E+21	5,922366E+20	3,433202E+19	3,432349E+19	5,921855E+20	2,431452E+21
-567	5,365366E+21	8,607467E+21	1,098289E+22	1,098274E+22	8,607085E+21	5,364973E+21	2,431211E+21	5,920594E+20	3,429663E+19	3,430842E+19	5,921779E+20	2,431421E+21
-566	5,365217E+21	8,607150E+21	1,098246E+22	1,098269E+22	8,607439E+21	5,365392E+21	2,431501E+21	5,921687E+20	3,429578E+19	3,428187E+19	5,920084E+20	2,431153E+21
-565	5,365020E+21	8,607478E+21	1,098333E+22	1,098327E+22	8,607481E+21	5,365169E+21	2,431266E+21	5,920589E+20	3,428821E+19	3,429157E+19	5,921145E+20	2,431428E+21
-564	5,365379E+21	8,607625E+21	1,098325E+22	1,098304E+22	8,607270E+21	5,365088E+21	2,431239E+21	5,920242E+20	3,427719E+19	3,428481E+19	5,920811E+20	2,431277E+21
-563	5,365009E+21	8,607025E+21	1,098277E+22	1,098313E+22	8,607611E+21	5,365410E+21	2,431494E+21	5,921792E+20	3,430193E+19	3,428930E+19	5,920452E+20	2,431237E+21
-562	5,365161E+21	8,607503E+21	1,098313E+22	1,098305E+22	8,607290E+21	5,365009E+21	2,431182E+21	5,920534E+20	3,429866E+19	3,431507E+19	5,922301E+20	2,431544E+21
-561	5,365327E+21	8,607232E+21	1,098239E+22	1,098227E+22	8,607025E+21	5,365156E+21	2,431416E+21	5,921897E+20	3,432088E+19	3,431932E+19	5,921660E+20	2,431301E+21
-560	5,364886E+21	8,606779E+21	1,098227E+22	1,098241E+22	8,607143E+21	5,365266E+21	2,431561E+21	5,923324E+20	3,435730E+19	3,435178E+19	5,922520E+20	2,431430E+21
-559	5,365199E+21	8,607140E+21	1,098231E+22	1,098208E+22	8,606607E+21	5,364785E+21	2,431308E+21	5,922664E+20	3,436625E+19	3,438075E+19	5,924248E+20	2,431590E+21
-558	5,365052E+21	8,606507E+21	1,098124E+22	1,098133E+22	8,606574E+21	5,365097E+21	2,431660E+21	5,924887E+20	3,440469E+19	3,439697E+19	5,923831E+20	2,431377E+21
-557	5,364645E+21	8,606254E+21	1,098139E+22	1,098148E+22	8,606539E+21	5,364970E+21	2,431572E+21	5,925025E+20	3,442467E+19	3,442880E+19	5,925416E+20	2,431689E+21
-556	5,365062E+21	8,606402E+21	1,098107E+22	1,098088E+22	8,606037E+21	5,364722E+21	2,431484E+21	5,924752E+20	3,442923E+19	3,444093E+19	5,926015E+20	2,431667E+21
-555	5,364789E+21	8,605794E+21	1,098034E+22	1,098062E+22	8,606249E+21	5,365077E+21	2,431805E+21	5,926526E+20	3,444942E+19	3,443905E+19	5,925059E+20	2,431496E+21
-554	5,364766E+21	8,606224E+21	1,098095E+22	1,098083E+22	8,606052E+21	5,364726E+21	2,431511E+21	5,925246E+20	3,444211E+19	3,444911E+19	5,926334E+20	2,431772E+21
-553	5,365045E+21	8,606231E+21	1,098065E+22	1,098043E+22	8,605856E+21	5,364772E+21	2,431612E+21	5,925516E+20	3,443667E+19	3,443702E+19	5,925344E+20	2,431517E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-552	5,364614E+21	8,605812E+21	1,098072E+22	1,098104E+22	8,606404E+21	5,365062E+21	2,431751E+21	5,926208E+20	3,444046E+19	3,442535E+19	5,924671E+20	2,431506E+21
-551	5,364916E+21	8,606486E+21	1,098137E+22	1,098129E+22	8,606274E+21	5,364705E+21	2,431387E+21	5,924050E+20	3,441034E+19	3,442006E+19	5,925495E+20	2,431714E+21
-550	5,365066E+21	8,606363E+21	1,098097E+22	1,098100E+22	8,606408E+21	5,365035E+21	2,431604E+21	5,924413E+20	3,439223E+19	3,438655E+19	5,923544E+20	2,431392E+21
-549	5,364734E+21	8,606384E+21	1,098167E+22	1,098181E+22	8,606773E+21	5,365095E+21	2,431544E+21	5,923853E+20	3,438015E+19	3,437271E+19	5,923343E+20	2,431523E+21
-548	5,365221E+21	8,607025E+21	1,098212E+22	1,098193E+22	8,606592E+21	5,364819E+21	2,431300E+21	5,922182E+20	3,434741E+19	3,436058E+19	5,923396E+20	2,431493E+21
-547	5,365025E+21	8,606682E+21	1,098178E+22	1,098197E+22	8,606968E+21	5,365224E+21	2,431587E+21	5,923385E+20	3,434990E+19	3,433513E+19	5,921743E+20	2,431238E+21
-546	5,364838E+21	8,606919E+21	1,098248E+22	1,098249E+22	8,607073E+21	5,365048E+21	2,431355E+21	5,922261E+20	3,434302E+19	3,434780E+19	5,922958E+20	2,431535E+21
-545	5,365202E+21	8,607010E+21	1,098221E+22	1,098203E+22	8,606739E+21	5,364961E+21	2,431356E+21	5,922104E+20	3,433669E+19	3,434473E+19	5,922770E+20	2,431419E+21
-544	5,364889E+21	8,606472E+21	1,098176E+22	1,098211E+22	8,607060E+21	5,365270E+21	2,431616E+21	5,923798E+20	3,436571E+19	3,435263E+19	5,922398E+20	2,431357E+21
-543	5,365029E+21	8,606945E+21	1,098212E+22	1,098204E+22	8,606739E+21	5,364864E+21	2,431317E+21	5,922641E+20	3,436453E+19	3,437984E+19	5,924249E+20	2,431658E+21
-542	5,365230E+21	8,606771E+21	1,098143E+22	1,098115E+22	8,606335E+21	5,364941E+21	2,431529E+21	5,923999E+20	3,438860E+19	3,438774E+19	5,923813E+20	2,431421E+21
-541	5,364704E+21	8,606214E+21	1,098134E+22	1,098144E+22	8,606510E+21	5,365032E+21	2,431666E+21	5,925427E+20	3,442485E+19	3,442001E+19	5,924635E+20	2,431534E+21
-540	5,364970E+21	8,606473E+21	1,098127E+22	1,098111E+22	8,606092E+21	5,364630E+21	2,431421E+21	5,924766E+20	3,443519E+19	3,445155E+19	5,926545E+20	2,431734E+21
-539	5,364852E+21	8,605856E+21	1,098022E+22	1,098031E+22	8,606008E+21	5,364944E+21	2,431778E+21	5,926921E+20	3,447033E+19	3,446295E+19	5,925935E+20	2,431524E+21
-538	5,364513E+21	8,605636E+21	1,098032E+22	1,098044E+22	8,605982E+21	5,364833E+21	2,431694E+21	5,926929E+20	3,448557E+19	3,448977E+19	5,927312E+20	2,431798E+21
-537	5,364913E+21	8,605837E+21	1,098001E+22	1,097976E+22	8,605385E+21	5,364551E+21	2,431617E+21	5,926781E+20	3,449129E+19	3,450089E+19	5,927824E+20	2,431759E+21
-536	5,364623E+21	8,605282E+21	1,097944E+22	1,097966E+22	8,605667E+21	5,364906E+21	2,431928E+21	5,928599E+20	3,451323E+19	3,449921E+19	5,926793E+20	2,431557E+21
-535	5,364546E+21	8,605643E+21	1,098007E+22	1,098001E+22	8,605596E+21	5,364587E+21	2,431627E+21	5,927228E+20	3,450433E+19	3,450873E+19	5,928114E+20	2,431864E+21
-534	5,364897E+21	8,605713E+21	1,097975E+22	1,097952E+22	8,605343E+21	5,364604E+21	2,431687E+21	5,927201E+20	3,449350E+19	3,449555E+19	5,927262E+20	2,431650E+21
-533	5,364485E+21	8,605300E+21	1,097987E+22	1,098019E+22	8,605906E+21	5,364894E+21	2,431820E+21	5,927675E+20	3,449022E+19	3,447731E+19	5,926344E+20	2,431620E+21
-532	5,364811E+21	8,606009E+21	1,098052E+22	1,098048E+22	8,605844E+21	5,364591E+21	2,431469E+21	5,925481E+20	3,445774E+19	3,447032E+19	5,927113E+20	2,431818E+21
-531	5,364962E+21	8,605981E+21	1,098030E+22	1,098023E+22	8,605938E+21	5,364898E+21	2,431686E+21	5,925861E+20	3,443829E+19	3,443263E+19	5,924971E+20	2,431473E+21
-530	5,364627E+21	8,605979E+21	1,098098E+22	1,098107E+22	8,606329E+21	5,364971E+21	2,431637E+21	5,925365E+20	3,442798E+19	3,442062E+19	5,924794E+20	2,431570E+21
-529	5,365015E+21	8,606494E+21	1,098130E+22	1,098111E+22	8,606096E+21	5,364677E+21	2,431412E+21	5,923975E+20	3,440259E+19	3,441466E+19	5,925101E+20	2,431582E+21
-528	5,364835E+21	8,606115E+21	1,098089E+22	1,098113E+22	8,606519E+21	5,365100E+21	2,431692E+21	5,925292E+20	3,441121E+19	3,439521E+19	5,923623E+20	2,431352E+21
-527	5,364673E+21	8,606304E+21	1,098145E+22	1,098154E+22	8,606592E+21	5,364939E+21	2,431477E+21	5,924191E+20	3,440486E+19	3,440964E+19	5,924898E+20	2,431678E+21
-526	5,365145E+21	8,606519E+21	1,098117E+22	1,098090E+22	8,606078E+21	5,364762E+21	2,431452E+21	5,923967E+20	3,439831E+19	3,440782E+19	5,924815E+20	2,431566E+21
-525	5,364809E+21	8,606019E+21	1,098086E+22	1,098109E+22	8,606388E+21	5,365031E+21	2,431707E+21	5,925668E+20	3,442662E+19	3,441464E+19	5,924283E+20	2,431452E+21
-524	5,364866E+21	8,606426E+21	1,098122E+22	1,098110E+22	8,606168E+21	5,364686E+21	2,431432E+21	5,924692E+20	3,442995E+19	3,444576E+19	5,926277E+20	2,431747E+21
-523	5,364997E+21	8,606201E+21	1,098060E+22	1,098030E+22	8,605804E+21	5,364767E+21	2,431643E+21	5,926099E+20	3,445588E+19	3,445449E+19	5,925895E+20	2,431532E+21
-522	5,364494E+21	8,605551E+21	1,098032E+22	1,098050E+22	8,606027E+21	5,364913E+21	2,431788E+21	5,927452E+20	3,449077E+19	3,448683E+19	5,926732E+20	2,431637E+21
-521	5,364726E+21	8,605734E+21	1,098008E+22	1,097997E+22	8,605499E+21	5,364511E+21	2,431576E+21	5,926947E+20	3,450324E+19	3,451868E+19	5,928668E+20	2,431869E+21
-520	5,364684E+21	8,605204E+21	1,097909E+22	1,097920E+22	8,605418E+21	5,364804E+21	2,431920E+21	5,929113E+20	3,453873E+19	3,452960E+19	5,927949E+20	2,431638E+21
-519	5,364356E+21	8,605025E+21	1,097921E+22	1,097934E+22	8,605382E+21	5,364687E+21	2,431837E+21	5,929091E+20	3,455224E+19	3,455379E+19	5,929228E+20	2,431906E+21
-518	5,364797E+21	8,605338E+21	1,097902E+22	1,097865E+22	8,604684E+21	5,364321E+21	2,431719E+21	5,928785E+20	3,455563E+19	3,456515E+19	5,929860E+20	2,431882E+21
-517	5,364471E+21	8,604766E+21	1,097859E+22	1,097878E+22	8,605062E+21	5,364654E+21	2,431995E+21	5,930387E+20	3,457277E+19	3,455995E+19	5,928722E+20	2,431671E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-516	5,364380E+21	8,605085E+21	1,097917E+22	1,097918E+22	8,605143E+21	5,364442E+21	2,431705E+21	5,928904E+20	3,456139E+19	3,456843E+19	5,930083E+20	2,432000E+21
-515	5,364766E+21	8,605241E+21	1,097898E+22	1,097872E+22	8,604878E+21	5,364469E+21	2,431762E+21	5,928692E+20	3,454390E+19	3,454775E+19	5,928953E+20	2,431778E+21
-514	5,364422E+21	8,604882E+21	1,097908E+22	1,097940E+22	8,605469E+21	5,364788E+21	2,431906E+21	5,929058E+20	3,453597E+19	3,452403E+19	5,927756E+20	2,431678E+21
-513	5,364669E+21	8,605572E+21	1,097971E+22	1,097962E+22	8,605353E+21	5,364483E+21	2,431589E+21	5,927116E+20	3,450690E+19	3,451750E+19	5,928485E+20	2,431866E+21
-512	5,364788E+21	8,605528E+21	1,097956E+22	1,097949E+22	8,605497E+21	5,364779E+21	2,431801E+21	5,927655E+20	3,449282E+19	3,448373E+19	5,926438E+20	2,431515E+21
-511	5,364407E+21	8,605406E+21	1,098011E+22	1,098033E+22	8,605938E+21	5,364875E+21	2,431759E+21	5,927213E+20	3,448496E+19	3,447552E+19	5,926476E+20	2,431662E+21
-510	5,364860E+21	8,605945E+21	1,098035E+22	1,098016E+22	8,605558E+21	5,364517E+21	2,431500E+21	5,925692E+20	3,445926E+19	3,447310E+19	5,927067E+20	2,431730E+21
-509	5,364722E+21	8,605591E+21	1,097997E+22	1,098020E+22	8,605929E+21	5,364896E+21	2,431766E+21	5,926896E+20	3,446564E+19	3,445235E+19	5,925489E+20	2,431488E+21
-508	5,364585E+21	8,605825E+21	1,098053E+22	1,098060E+22	8,606050E+21	5,364780E+21	2,431571E+21	5,925908E+20	3,446135E+19	3,446883E+19	5,926797E+20	2,431800E+21
-507	5,365039E+21	8,606125E+21	1,098042E+22	1,098000E+22	8,605490E+21	5,364575E+21	2,431545E+21	5,925775E+20	3,445694E+19	3,446614E+19	5,926615E+20	2,431665E+21
-506	5,364673E+21	8,605545E+21	1,098004E+22	1,098023E+22	8,605858E+21	5,364874E+21	2,431817E+21	5,927584E+20	3,448829E+19	3,447627E+19	5,926130E+20	2,431511E+21
-505	5,364604E+21	8,605775E+21	1,098023E+22	1,098017E+22	8,605634E+21	5,364545E+21	2,431575E+21	5,926925E+20	3,449942E+19	3,451351E+19	5,928379E+20	2,431853E+21
-504	5,364753E+21	8,605475E+21	1,097947E+22	1,097931E+22	8,605299E+21	5,364648E+21	2,431788E+21	5,928419E+20	3,452979E+19	3,452697E+19	5,928144E+20	2,431664E+21
-503	5,364292E+21	8,604802E+21	1,097906E+22	1,097937E+22	8,605469E+21	5,364812E+21	2,431949E+21	5,929721E+20	3,456211E+19	3,455760E+19	5,928962E+20	2,431793E+21
-502	5,364614E+21	8,605126E+21	1,097887E+22	1,097869E+22	8,604738E+21	5,364294E+21	2,431697E+21	5,929074E+20	3,457191E+19	3,458779E+19	5,930889E+20	2,432022E+21
-501	5,364572E+21	8,604684E+21	1,097807E+22	1,097807E+22	8,604653E+21	5,364530E+21	2,432011E+21	5,931072E+20	3,460276E+19	3,459475E+19	5,929948E+20	2,431745E+21
-500	5,364199E+21	8,604504E+21	1,097828E+22	1,097837E+22	8,604762E+21	5,364472E+21	2,431932E+21	5,931048E+20	3,461608E+19	3,461831E+19	5,931250E+20	2,432008E+21
-499	5,364605E+21	8,604839E+21	1,097824E+22	1,097783E+22	8,604161E+21	5,364125E+21	2,431794E+21	5,930569E+20	3,461506E+19	3,462516E+19	5,931772E+20	2,432005E+21
-498	5,364331E+21	8,604249E+21	1,097773E+22	1,097800E+22	8,604644E+21	5,364534E+21	2,432074E+21	5,931944E+20	3,462598E+19	3,461490E+19	5,930455E+20	2,431766E+21
-497	5,364208E+21	8,604530E+21	1,097825E+22	1,097831E+22	8,604684E+21	5,364357E+21	2,431831E+21	5,930609E+20	3,461441E+19	3,462057E+19	5,931704E+20	2,432101E+21
-496	5,364638E+21	8,604750E+21	1,097812E+22	1,097793E+22	8,604465E+21	5,364385E+21	2,431886E+21	5,930424E+20	3,459696E+19	3,459858E+19	5,930427E+20	2,431843E+21
-495	5,364278E+21	8,604413E+21	1,097822E+22	1,097857E+22	8,605032E+21	5,364711E+21	2,432044E+21	5,930831E+20	3,458903E+19	3,457396E+19	5,929217E+20	2,431739E+21
-494	5,364508E+21	8,605109E+21	1,097888E+22	1,097873E+22	8,604782E+21	5,364305E+21	2,431691E+21	5,928867E+20	3,456162E+19	3,457147E+19	5,930172E+20	2,431953E+21
-493	5,364610E+21	8,605021E+21	1,097876E+22	1,097871E+22	8,604959E+21	5,364560E+21	2,431868E+21	5,929285E+20	3,454695E+19	3,453923E+19	5,928238E+20	2,431628E+21
-492	5,364253E+21	8,604856E+21	1,097917E+22	1,097946E+22	8,605461E+21	5,364729E+21	2,431840E+21	5,928864E+20	3,454068E+19	3,453410E+19	5,928429E+20	2,431804E+21
-491	5,364746E+21	8,605490E+21	1,097952E+22	1,097928E+22	8,605028E+21	5,364350E+21	2,431576E+21	5,927268E+20	3,451243E+19	3,452818E+19	5,928886E+20	2,431880E+21
-490	5,364682E+21	8,605197E+21	1,097914E+22	1,097932E+22	8,605397E+21	5,364725E+21	2,431840E+21	5,928440E+20	3,451827E+19	3,450656E+19	5,927135E+20	2,431563E+21
-489	5,364426E+21	8,605350E+21	1,097965E+22	1,097967E+22	8,605480E+21	5,364631E+21	2,431701E+21	5,927853E+20	3,452106E+19	3,452669E+19	5,928500E+20	2,431867E+21
-488	5,364831E+21	8,605577E+21	1,097954E+22	1,097920E+22	8,605019E+21	5,364437E+21	2,431678E+21	5,927925E+20	3,452426E+19	3,453035E+19	5,928489E+20	2,431731E+21
-487	5,364420E+21	8,604874E+21	1,097899E+22	1,097932E+22	8,605404E+21	5,364783E+21	2,431973E+21	5,929825E+20	3,455818E+19	3,454474E+19	5,928254E+20	2,431628E+21
-486	5,364385E+21	8,605074E+21	1,097904E+22	1,097902E+22	8,605007E+21	5,364388E+21	2,431709E+21	5,929094E+20	3,456951E+19	3,458469E+19	5,930698E+20	2,432016E+21
-485	5,364596E+21	8,604821E+21	1,097833E+22	1,097817E+22	8,604600E+21	5,364428E+21	2,431900E+21	5,930439E+20	3,459631E+19	3,459626E+19	5,930386E+20	2,431823E+21
-484	5,364174E+21	8,604213E+21	1,097790E+22	1,097820E+22	8,604799E+21	5,364617E+21	2,432065E+21	5,931749E+20	3,462784E+19	3,462562E+19	5,931144E+20	2,431933E+21
-483	5,364482E+21	8,604665E+21	1,097796E+22	1,097762E+22	8,604042E+21	5,364063E+21	2,431794E+21	5,931030E+20	3,463542E+19	3,465168E+19	5,932887E+20	2,432147E+21
-482	5,364445E+21	8,604214E+21	1,097722E+22	1,097716E+22	8,604055E+21	5,364312E+21	2,432093E+21	5,932913E+20	3,466407E+19	3,465660E+19	5,931821E+20	2,431822E+21
-481	5,363970E+21	8,603913E+21	1,097735E+22	1,097748E+22	8,604245E+21	5,364317E+21	2,432051E+21	5,933085E+20	3,468033E+19	3,468064E+19	5,933191E+20	2,432120E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-480	5,364415E+21	8,604226E+21	1,097726E+22	1,097701E+22	8,603760E+21	5,364029E+21	2,431918E+21	5,932560E+20	3,467883E+19	3,468699E+19	5,933639E+20	2,432113E+21
-479	5,364175E+21	8,603672E+21	1,097672E+22	1,097710E+22	8,604219E+21	5,364475E+21	2,432221E+21	5,933834E+20	3,468447E+19	3,467171E+19	5,932202E+20	2,431880E+21
-478	5,364094E+21	8,604044E+21	1,097730E+22	1,097730E+22	8,604098E+21	5,364205E+21	2,431950E+21	5,932390E+20	3,466996E+19	3,467521E+19	5,933366E+20	2,432193E+21
-477	5,364501E+21	8,604301E+21	1,097732E+22	1,097707E+22	8,603878E+21	5,364182E+21	2,431977E+21	5,932055E+20	3,464871E+19	3,465082E+19	5,931997E+20	2,431909E+21
-476	5,364101E+21	8,603932E+21	1,097740E+22	1,097778E+22	8,604550E+21	5,364550E+21	2,432132E+21	5,932480E+20	3,464230E+19	3,462809E+19	5,930937E+20	2,431823E+21
-475	5,364312E+21	8,604640E+21	1,097814E+22	1,097798E+22	8,604314E+21	5,364129E+21	2,431751E+21	5,930375E+20	3,461246E+19	3,462375E+19	5,931891E+20	2,432077E+21
-474	5,364492E+21	8,604546E+21	1,097794E+22	1,097792E+22	8,604519E+21	5,364414E+21	2,431922E+21	5,930637E+20	3,459484E+19	3,458964E+19	5,929866E+20	2,431733E+21
-473	5,364120E+21	8,604365E+21	1,097830E+22	1,097859E+22	8,604969E+21	5,364598E+21	2,431943E+21	5,930489E+20	3,459218E+19	3,458578E+19	5,930066E+20	2,431921E+21
-472	5,364653E+21	8,605039E+21	1,097866E+22	1,097847E+22	8,604585E+21	5,364228E+21	2,431689E+21	5,929066E+20	3,456870E+19	3,458231E+19	5,930468E+20	2,431958E+21
-471	5,364547E+21	8,604746E+21	1,097828E+22	1,097845E+22	8,604923E+21	5,364626E+21	2,431983E+21	5,930394E+20	3,457812E+19	3,456423E+19	5,928866E+20	2,431647E+21
-470	5,364241E+21	8,604818E+21	1,097874E+22	1,097871E+22	8,604875E+21	5,364442E+21	2,431825E+21	5,929936E+20	3,458645E+19	3,459149E+19	5,930505E+20	2,431969E+21
-469	5,364610E+21	8,604952E+21	1,097856E+22	1,097827E+22	8,604434E+21	5,364229E+21	2,431781E+21	5,929955E+20	3,459148E+19	3,459958E+19	5,930709E+20	2,431868E+21
-468	5,364228E+21	8,604211E+21	1,097782E+22	1,097823E+22	8,604832E+21	5,364633E+21	2,432093E+21	5,931896E+20	3,462680E+19	3,461669E+19	5,930617E+20	2,431791E+21
-467	5,364231E+21	8,604495E+21	1,097797E+22	1,097789E+22	8,604341E+21	5,364187E+21	2,431815E+21	5,931076E+20	3,463491E+19	3,465175E+19	5,932863E+20	2,432178E+21
-466	5,364512E+21	8,604318E+21	1,097730E+22	1,097708E+22	8,603933E+21	5,364208E+21	2,431992E+21	5,932340E+20	3,465934E+19	3,466022E+19	5,932320E+20	2,431917E+21
-465	5,363990E+21	8,603668E+21	1,097691E+22	1,097714E+22	8,604128E+21	5,364413E+21	2,432200E+21	5,933935E+20	3,469491E+19	3,469009E+19	5,933072E+20	2,432023E+21
-464	5,364267E+21	8,604062E+21	1,097701E+22	1,097675E+22	8,603539E+21	5,363898E+21	2,431927E+21	5,933293E+20	3,470615E+19	3,471850E+19	5,934841E+20	2,432229E+21
-463	5,364212E+21	8,603577E+21	1,097620E+22	1,097626E+22	8,603613E+21	5,364218E+21	2,432236E+21	5,935057E+20	3,473175E+19	3,472281E+19	5,933885E+20	2,431948E+21
-462	5,363778E+21	8,603271E+21	1,097627E+22	1,097644E+22	8,603679E+21	5,364176E+21	2,432179E+21	5,935099E+20	3,474504E+19	3,474513E+19	5,935235E+20	2,432261E+21
-461	5,364280E+21	8,603664E+21	1,097628E+22	1,097606E+22	8,603197E+21	5,363862E+21	2,432025E+21	5,934337E+20	3,473695E+19	3,474720E+19	5,935526E+20	2,432235E+21
-460	5,364064E+21	8,603185E+21	1,097575E+22	1,097611E+22	8,603685E+21	5,364336E+21	2,432329E+21	5,935564E+20	3,473978E+19	3,472823E+19	5,933977E+20	2,431974E+21
-459	5,363941E+21	8,603632E+21	1,097655E+22	1,097643E+22	8,603538E+21	5,364022E+21	2,432034E+21	5,933999E+20	3,472159E+19	3,472668E+19	5,934957E+20	2,432282E+21
-458	5,364359E+21	8,603867E+21	1,097659E+22	1,097632E+22	8,603390E+21	5,363983E+21	2,432030E+21	5,933515E+20	3,469782E+19	3,470114E+19	5,933548E+20	2,431976E+21
-457	5,363894E+21	8,603386E+21	1,097655E+22	1,097696E+22	8,604090E+21	5,364402E+21	2,432221E+21	5,934127E+20	3,469496E+19	3,468028E+19	5,932627E+20	2,431943E+21
-456	5,364173E+21	8,604093E+21	1,097725E+22	1,097721E+22	8,603940E+21	5,364030E+21	2,431850E+21	5,932042E+20	3,466636E+19	3,467685E+19	5,933529E+20	2,432193E+21
-455	5,364402E+21	8,604093E+21	1,097706E+22	1,097706E+22	8,604079E+21	5,364325E+21	2,432039E+21	5,932301E+20	3,464772E+19	3,464175E+19	5,931492E+20	2,431849E+21
-454	5,364036E+21	8,603953E+21	1,097744E+22	1,097763E+22	8,604377E+21	5,364420E+21	2,432048E+21	5,932258E+20	3,464788E+19	3,464056E+19	5,931699E+20	2,432006E+21
-453	5,364516E+21	8,604610E+21	1,097789E+22	1,097763E+22	8,604016E+21	5,364027E+21	2,431786E+21	5,930860E+20	3,462645E+19	3,464035E+19	5,932193E+20	2,432027E+21
-452	5,364344E+21	8,604211E+21	1,097739E+22	1,097760E+22	8,604433E+21	5,364470E+21	2,432092E+21	5,932334E+20	3,464088E+19	3,462827E+19	5,930888E+20	2,431744E+21
-451	5,364006E+21	8,604235E+21	1,097783E+22	1,097781E+22	8,604361E+21	5,364280E+21	2,431923E+21	5,931823E+20	3,464869E+19	3,465552E+19	5,932574E+20	2,432107E+21
-450	5,364446E+21	8,604350E+21	1,097754E+22	1,097728E+22	8,603894E+21	5,364067E+21	2,431873E+21	5,931755E+20	3,465234E+19	3,466295E+19	5,932732E+20	2,431993E+21
-449	5,364054E+21	8,603591E+21	1,097672E+22	1,097711E+22	8,604216E+21	5,364477E+21	2,432232E+21	5,933968E+20	3,469137E+19	3,468121E+19	5,932649E+20	2,431930E+21
-448	5,364097E+21	8,603906E+21	1,097690E+22	1,097685E+22	8,603774E+21	5,364030E+21	2,431955E+21	5,933288E+20	3,470356E+19	3,471728E+19	5,934785E+20	2,432275E+21
-447	5,364342E+21	8,603767E+21	1,097629E+22	1,097604E+22	8,603338E+21	5,364055E+21	2,432143E+21	5,934609E+20	3,472946E+19	3,472769E+19	5,934371E+20	2,432027E+21
-446	5,363788E+21	8,603058E+21	1,097589E+22	1,097608E+22	8,603461E+21	5,364179E+21	2,432320E+21	5,936224E+20	3,476760E+19	3,476124E+19	5,935279E+20	2,432152E+21
-445	5,364064E+21	8,603409E+21	1,097596E+22	1,097577E+22	8,602956E+21	5,363702E+21	2,432035E+21	5,935404E+20	3,477646E+19	3,479030E+19	5,937119E+20	2,432378E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-444	5,364048E+21	8,602946E+21	1,097510E+22	1,097521E+22	8,603079E+21	5,364086E+21	2,432355E+21	5,937040E+20	3,479766E+19	3,479185E+19	5,936133E+20	2,432104E+21
-443	5,363659E+21	8,602776E+21	1,097533E+22	1,097542E+22	8,603076E+21	5,363997E+21	2,432276E+21	5,936861E+20	3,480336E+19	3,480472E+19	5,937106E+20	2,432388E+21
-442	5,364189E+21	8,603227E+21	1,097541E+22	1,097512E+22	8,602639E+21	5,363678E+21	2,432099E+21	5,935908E+20	3,478903E+19	3,480012E+19	5,937068E+20	2,432289E+21
-441	5,363873E+21	8,602702E+21	1,097494E+22	1,097524E+22	8,603153E+21	5,364176E+21	2,432435E+21	5,937297E+20	3,479296E+19	3,477948E+19	5,935518E+20	2,432042E+21
-440	5,363741E+21	8,603067E+21	1,097571E+22	1,097572E+22	8,603155E+21	5,363894E+21	2,432135E+21	5,935772E+20	3,477696E+19	3,477880E+19	5,936471E+20	2,432344E+21
-439	5,364163E+21	8,603316E+21	1,097573E+22	1,097555E+22	8,603020E+21	5,363907E+21	2,432142E+21	5,935186E+20	3,475056E+19	3,475303E+19	5,935221E+20	2,432096E+21
-438	5,363760E+21	8,602863E+21	1,097566E+22	1,097605E+22	8,603559E+21	5,364244E+21	2,432314E+21	5,935773E+20	3,474804E+19	3,473326E+19	5,934325E+20	2,432072E+21
-437	5,364094E+21	8,603646E+21	1,097642E+22	1,097635E+22	8,603414E+21	5,363867E+21	2,431940E+21	5,933616E+20	3,471777E+19	3,473019E+19	5,935188E+20	2,432299E+21
-436	5,364320E+21	8,603702E+21	1,097625E+22	1,097618E+22	8,603579E+21	5,364185E+21	2,432135E+21	5,933952E+20	3,470141E+19	3,469674E+19	5,933202E+20	2,431933E+21
-435	5,363897E+21	8,603584E+21	1,097676E+22	1,097680E+22	8,603833E+21	5,364232E+21	2,432131E+21	5,933942E+20	3,470265E+19	3,469564E+19	5,933370E+20	2,432085E+21
-434	5,364343E+21	8,604122E+21	1,097712E+22	1,097687E+22	8,603555E+21	5,363844E+21	2,431854E+21	5,932563E+20	3,468352E+19	3,469825E+19	5,933954E+20	2,432098E+21
-433	5,364101E+21	8,603570E+21	1,097641E+22	1,097667E+22	8,603951E+21	5,364342E+21	2,432213E+21	5,934323E+20	3,470426E+19	3,469168E+19	5,932935E+20	2,431883E+21
-432	5,363825E+21	8,603531E+21	1,097672E+22	1,097685E+22	8,603901E+21	5,364178E+21	2,432064E+21	5,933935E+20	3,471538E+19	3,472094E+19	5,934578E+20	2,432234E+21
-431	5,364304E+21	8,603752E+21	1,097644E+22	1,097618E+22	8,603322E+21	5,363950E+21	2,432027E+21	5,933908E+20	3,471935E+19	3,472892E+19	5,934815E+20	2,432135E+21
-430	5,363918E+21	8,603021E+21	1,097564E+22	1,097591E+22	8,603463E+21	5,364243E+21	2,432361E+21	5,936204E+20	3,476157E+19	3,475005E+19	5,934734E+20	2,432048E+21
-429	5,363936E+21	8,603344E+21	1,097592E+22	1,097579E+22	8,603079E+21	5,363795E+21	2,432072E+21	5,935486E+20	3,477484E+19	3,478875E+19	5,936959E+20	2,432384E+21
-428	5,364143E+21	8,603154E+21	1,097525E+22	1,097501E+22	8,602744E+21	5,363859E+21	2,432253E+21	5,936788E+20	3,480161E+19	3,480153E+19	5,936703E+20	2,432155E+21
-427	5,363587E+21	8,602465E+21	1,097489E+22	1,097507E+22	8,602884E+21	5,363992E+21	2,432411E+21	5,938189E+20	3,483413E+19	3,482965E+19	5,937475E+20	2,432305E+21
-426	5,363932E+21	8,602837E+21	1,097496E+22	1,097480E+22	8,602425E+21	5,363534E+21	2,432118E+21	5,937170E+20	3,483676E+19	3,485264E+19	5,939058E+20	2,432492E+21
-425	5,363889E+21	8,602372E+21	1,097409E+22	1,097419E+22	8,602527E+21	5,363954E+21	2,432484E+21	5,938926E+20	3,485616E+19	3,485028E+19	5,937956E+20	2,432220E+21
-424	5,363521E+21	8,602218E+21	1,097440E+22	1,097454E+22	8,602608E+21	5,363888E+21	2,432410E+21	5,938780E+20	3,486165E+19	3,485934E+19	5,938653E+20	2,432441E+21
-423	5,364003E+21	8,602730E+21	1,097458E+22	1,097427E+22	8,602150E+21	5,363566E+21	2,432235E+21	5,937792E+20	3,484585E+19	3,485442E+19	5,938714E+20	2,432366E+21
-422	5,363662E+21	8,602136E+21	1,097406E+22	1,097433E+22	8,602584E+21	5,363978E+21	2,432530E+21	5,939147E+20	3,485145E+19	3,483613E+19	5,937284E+20	2,432148E+21
-421	5,363579E+21	8,602502E+21	1,097481E+22	1,097485E+22	8,602659E+21	5,363740E+21	2,432219E+21	5,937444E+20	3,483333E+19	3,483671E+19	5,938320E+20	2,432472E+21
-420	5,364058E+21	8,602809E+21	1,097480E+22	1,097464E+22	8,602536E+21	5,363776E+21	2,432228E+21	5,936785E+20	3,480438E+19	3,480937E+19	5,937061E+20	2,432230E+21
-419	5,363704E+21	8,602513E+21	1,097491E+22	1,097518E+22	8,603012E+21	5,364057E+21	2,432377E+21	5,937236E+20	3,479756E+19	3,478406E+19	5,935914E+20	2,432182E+21
-418	5,364035E+21	8,603310E+21	1,097574E+22	1,097558E+22	8,602925E+21	5,363687E+21	2,431998E+21	5,935060E+20	3,476578E+19	3,477875E+19	5,936584E+20	2,432337E+21
-417	5,364127E+21	8,603250E+21	1,097555E+22	1,097542E+22	8,603117E+21	5,364047E+21	2,432241E+21	5,935678E+20	3,475527E+19	3,474943E+19	5,934812E+20	2,432004E+21
-416	5,363683E+21	8,602976E+21	1,097591E+22	1,097612E+22	8,603489E+21	5,364140E+21	2,432251E+21	5,935830E+20	3,476202E+19	3,475292E+19	5,935056E+20	2,432149E+21
-415	5,364111E+21	8,603492E+21	1,097615E+22	1,097600E+22	8,603152E+21	5,363789E+21	2,431995E+21	5,934491E+20	3,474438E+19	3,475893E+19	5,935917E+20	2,432232E+21
-414	5,363928E+21	8,602924E+21	1,097533E+22	1,097557E+22	8,603323E+21	5,364176E+21	2,432339E+21	5,936355E+20	3,476906E+19	3,475661E+19	5,935016E+20	2,432038E+21
-413	5,363725E+21	8,602947E+21	1,097562E+22	1,097571E+22	8,603241E+21	5,363997E+21	2,432188E+21	5,935971E+20	3,478123E+19	3,478826E+19	5,936672E+20	2,432365E+21
-412	5,364187E+21	8,603220E+21	1,097539E+22	1,097504E+22	8,602653E+21	5,363756E+21	2,432149E+21	5,936040E+20	3,478810E+19	3,479858E+19	5,937004E+20	2,432259E+21
-411	5,363777E+21	8,602551E+21	1,097475E+22	1,097486E+22	8,602746E+21	5,363969E+21	2,432442E+21	5,938247E+20	3,482960E+19	3,481904E+19	5,936884E+20	2,432173E+21
-410	5,363766E+21	8,602771E+21	1,097497E+22	1,097484E+22	8,602491E+21	5,363560E+21	2,432143E+21	5,937466E+20	3,484209E+19	3,485702E+19	5,939070E+20	2,432491E+21
-409	5,363918E+21	8,602491E+21	1,097421E+22	1,097400E+22	8,602209E+21	5,363717E+21	2,432373E+21	5,938866E+20	3,486967E+19	3,487076E+19	5,938929E+20	2,432311E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-408	5,363434E+21	8,601792E+21	1,097380E+22	1,097410E+22	8,602407E+21	5,363893E+21	2,432554E+21	5,940293E+20	3,490091E+19	3,489465E+19	5,939408E+20	2,432407E+21
-407	5,363779E+21	8,602279E+21	1,097394E+22	1,097378E+22	8,601904E+21	5,363450E+21	2,432279E+21	5,939247E+20	3,490020E+19	3,491385E+19	5,940904E+20	2,432591E+21
-406	5,363710E+21	8,601808E+21	1,097311E+22	1,097313E+22	8,601863E+21	5,363764E+21	2,432616E+21	5,941006E+20	3,491972E+19	3,491096E+19	5,939738E+20	2,432301E+21
-405	5,363329E+21	8,601635E+21	1,097347E+22	1,097360E+22	8,602023E+21	5,363709E+21	2,432526E+21	5,940739E+20	3,492405E+19	3,492067E+19	5,940493E+20	2,432515E+21
-404	5,363785E+21	8,602124E+21	1,097362E+22	1,097336E+22	8,601652E+21	5,363416E+21	2,432333E+21	5,939630E+20	3,490594E+19	3,491570E+19	5,940685E+20	2,432482E+21
-403	5,363511E+21	8,601640E+21	1,097319E+22	1,097343E+22	8,602041E+21	5,363788E+21	2,432586E+21	5,940666E+20	3,490442E+19	3,489139E+19	5,939113E+20	2,432293E+21
-402	5,363514E+21	8,602071E+21	1,097400E+22	1,097402E+22	8,602174E+21	5,363569E+21	2,432269E+21	5,938812E+20	3,488089E+19	3,488645E+19	5,939880E+20	2,432573E+21
-401	5,363966E+21	8,602402E+21	1,097404E+22	1,097383E+22	8,602071E+21	5,363651E+21	2,432318E+21	5,938286E+20	3,485238E+19	3,485775E+19	5,938590E+20	2,432331E+21
-400	5,363612E+21	8,602091E+21	1,097419E+22	1,097450E+22	8,602625E+21	5,363960E+21	2,432486E+21	5,938882E+20	3,484875E+19	3,483233E+19	5,937265E+20	2,432218E+21
-399	5,363858E+21	8,602875E+21	1,097504E+22	1,097488E+22	8,602532E+21	5,363605E+21	2,432127E+21	5,936836E+20	3,481993E+19	3,483102E+19	5,938172E+20	2,432404E+21
-398	5,363898E+21	8,602651E+21	1,097466E+22	1,097457E+22	8,602604E+21	5,363890E+21	2,432350E+21	5,937587E+20	3,481590E+19	3,480883E+19	5,936690E+20	2,432120E+21
-397	5,363511E+21	8,602335E+21	1,097488E+22	1,097515E+22	8,602980E+21	5,364025E+21	2,432369E+21	5,937720E+20	3,482463E+19	3,481781E+19	5,937136E+20	2,432286E+21
-396	5,363973E+21	8,602894E+21	1,097506E+22	1,097491E+22	8,602558E+21	5,363647E+21	2,432117E+21	5,936441E+20	3,480827E+19	3,482514E+19	5,938058E+20	2,432379E+21
-395	5,363848E+21	8,602473E+21	1,097436E+22	1,097446E+22	8,602602E+21	5,363930E+21	2,432420E+21	5,938204E+20	3,483117E+19	3,482023E+19	5,937009E+20	2,432170E+21
-394	5,363639E+21	8,602511E+21	1,097473E+22	1,097471E+22	8,602575E+21	5,363745E+21	2,432258E+21	5,937827E+20	3,484291E+19	3,485045E+19	5,938515E+20	2,432438E+21
-393	5,363981E+21	8,602664E+21	1,097447E+22	1,097410E+22	8,602057E+21	5,363554E+21	2,432257E+21	5,938118E+20	3,485501E+19	3,486471E+19	5,939060E+20	2,432367E+21
-392	5,363561E+21	8,601877E+21	1,097376E+22	1,097402E+22	8,602297E+21	5,363839E+21	2,432566E+21	5,940386E+20	3,489859E+19	3,488633E+19	5,938901E+20	2,432266E+21
-391	5,363543E+21	8,602120E+21	1,097393E+22	1,097388E+22	8,602023E+21	5,363492E+21	2,432302E+21	5,939631E+20	3,491036E+19	3,492447E+19	5,941209E+20	2,432624E+21
-390	5,363719E+21	8,601806E+21	1,097308E+22	1,097289E+22	8,601578E+21	5,363566E+21	2,432522E+21	5,941070E+20	3,493891E+19	3,493923E+19	5,941051E+20	2,432450E+21
-389	5,363302E+21	8,601183E+21	1,097269E+22	1,097299E+22	8,601797E+21	5,363758E+21	2,432700E+21	5,942409E+20	3,496821E+19	3,496199E+19	5,941445E+20	2,432506E+21
-388	5,363600E+21	8,601711E+21	1,097291E+22	1,097269E+22	8,601277E+21	5,363292E+21	2,432416E+21	5,941353E+20	3,496652E+19	3,497970E+19	5,942913E+20	2,432687E+21
-387	5,363538E+21	8,601308E+21	1,097223E+22	1,097215E+22	8,601196E+21	5,363509E+21	2,432690E+21	5,942859E+20	3,498109E+19	3,497294E+19	5,941696E+20	2,432421E+21
-386	5,363176E+21	8,601093E+21	1,097255E+22	1,097272E+22	8,601483E+21	5,363486E+21	2,432574E+21	5,942381E+20	3,498066E+19	3,497844E+19	5,942328E+20	2,432626E+21
-385	5,363619E+21	8,601561E+21	1,097269E+22	1,097248E+22	8,601171E+21	5,363278E+21	2,432419E+21	5,941254E+20	3,496011E+19	3,497170E+19	5,942557E+20	2,432638E+21
-384	5,363441E+21	8,601151E+21	1,097235E+22	1,097267E+22	8,601620E+21	5,363676E+21	2,432680E+21	5,942232E+20	3,495578E+19	3,494191E+19	5,940637E+20	2,432387E+21
-383	5,363436E+21	8,601713E+21	1,097326E+22	1,097324E+22	8,601744E+21	5,363491E+21	2,432392E+21	5,940428E+20	3,493057E+19	3,493468E+19	5,941329E+20	2,432644E+21
-382	5,363817E+21	8,601980E+21	1,097331E+22	1,097303E+22	8,601543E+21	5,363493E+21	2,432425E+21	5,940009E+20	3,490572E+19	3,490858E+19	5,940065E+20	2,432390E+21
-381	5,363444E+21	8,601602E+21	1,097340E+22	1,097372E+22	8,602167E+21	5,363839E+21	2,432596E+21	5,940645E+20	3,490550E+19	3,488846E+19	5,938931E+20	2,432269E+21
-380	5,363617E+21	8,602277E+21	1,097411E+22	1,097405E+22	8,602102E+21	5,363507E+21	2,432242E+21	5,938656E+20	3,487868E+19	3,489064E+19	5,940047E+20	2,432506E+21
-379	5,363733E+21	8,602123E+21	1,097374E+22	1,097364E+22	8,602030E+21	5,363702E+21	2,432425E+21	5,939238E+20	3,487232E+19	3,486776E+19	5,938639E+20	2,432270E+21
-378	5,363424E+21	8,601825E+21	1,097390E+22	1,097417E+22	8,602392E+21	5,363826E+21	2,432442E+21	5,939360E+20	3,487953E+19	3,487501E+19	5,938939E+20	2,432397E+21
-377	5,363846E+21	8,602394E+21	1,097411E+22	1,097391E+22	8,601971E+21	5,363483E+21	2,432227E+21	5,938280E+20	3,486695E+19	3,488437E+19	5,939954E+20	2,432504E+21
-376	5,363728E+21	8,601975E+21	1,097350E+22	1,097358E+22	8,602046E+21	5,363756E+21	2,432534E+21	5,940194E+20	3,489475E+19	3,488146E+19	5,938789E+20	2,432237E+21
-375	5,363439E+21	8,601989E+21	1,097386E+22	1,097383E+22	8,602047E+21	5,363599E+21	2,432395E+21	5,939995E+20	3,491056E+19	3,491626E+19	5,940542E+20	2,432534E+21
-374	5,363726E+21	8,601969E+21	1,097341E+22	1,097311E+22	8,601471E+21	5,363371E+21	2,432382E+21	5,940404E+20	3,492891E+19	3,493717E+19	5,941318E+20	2,432509E+21
-373	5,363375E+21	8,601172E+21	1,097257E+22	1,097291E+22	8,601733E+21	5,363726E+21	2,432713E+21	5,942628E+20	3,497257E+19	3,496191E+19	5,941269E+20	2,432410E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-372	5,363364E+21	8,601449E+21	1,097273E+22	1,097271E+22	8,601405E+21	5,363368E+21	2,432463E+21	5,941907E+20	3,498305E+19	3,499775E+19	5,943487E+20	2,432765E+21
-371	5,363598E+21	8,601283E+21	1,097202E+22	1,097174E+22	8,600843E+21	5,363332E+21	2,432630E+21	5,943115E+20	3,500583E+19	3,500741E+19	5,943167E+20	2,432579E+21
-370	5,363173E+21	8,600672E+21	1,097171E+22	1,097195E+22	8,601133E+21	5,363517E+21	2,432783E+21	5,944309E+20	3,503037E+19	3,502436E+19	5,943326E+20	2,432583E+21
-369	5,363371E+21	8,601114E+21	1,097195E+22	1,097175E+22	8,600711E+21	5,363105E+21	2,432516E+21	5,943261E+20	3,502830E+19	3,504151E+19	5,944883E+20	2,432806E+21
-368	5,363350E+21	8,600687E+21	1,097129E+22	1,097135E+22	8,600748E+21	5,363367E+21	2,432781E+21	5,944624E+20	3,503942E+19	3,503049E+19	5,943469E+20	2,432526E+21
-367	5,363031E+21	8,600591E+21	1,097168E+22	1,097188E+22	8,601038E+21	5,363395E+21	2,432692E+21	5,944086E+20	3,503499E+19	3,503238E+19	5,944071E+20	2,432751E+21
-366	5,363494E+21	8,601052E+21	1,097179E+22	1,097159E+22	8,600643E+21	5,363132E+21	2,432529E+21	5,942986E+20	3,501441E+19	3,502462E+19	5,944175E+20	2,432751E+21
-365	5,363369E+21	8,600743E+21	1,097152E+22	1,097181E+22	8,601150E+21	5,363578E+21	2,432796E+21	5,943907E+20	3,500937E+19	3,499492E+19	5,942198E+20	2,432451E+21
-364	5,363282E+21	8,601297E+21	1,097250E+22	1,097243E+22	8,601258E+21	5,363375E+21	2,432516E+21	5,942206E+20	3,498575E+19	3,498847E+19	5,942894E+20	2,432698E+21
-363	5,363637E+21	8,601542E+21	1,097258E+22	1,097227E+22	8,601011E+21	5,363282E+21	2,432492E+21	5,941623E+20	3,495943E+19	3,496299E+19	5,941764E+20	2,432483E+21
-362	5,363278E+21	8,601083E+21	1,097253E+22	1,097293E+22	8,601713E+21	5,363660E+21	2,432649E+21	5,942166E+20	3,495797E+19	3,494291E+19	5,940669E+20	2,432369E+21
-361	5,363427E+21	8,601688E+21	1,097315E+22	1,097315E+22	8,601624E+21	5,363384E+21	2,432340E+21	5,940303E+20	3,493307E+19	3,494710E+19	5,941918E+20	2,432653E+21
-360	5,363633E+21	8,601595E+21	1,097282E+22	1,097278E+22	8,601531E+21	5,363561E+21	2,432529E+21	5,940963E+20	3,492824E+19	3,492282E+19	5,940315E+20	2,432372E+21
-359	5,363323E+21	8,601417E+21	1,097306E+22	1,097326E+22	8,601840E+21	5,363686E+21	2,432572E+21	5,941256E+20	3,493797E+19	3,493230E+19	5,940683E+20	2,432483E+21
-358	5,363654E+21	8,601862E+21	1,097320E+22	1,097295E+22	8,601341E+21	5,363278E+21	2,432348E+21	5,940391E+20	3,493293E+19	3,494767E+19	5,941845E+20	2,432598E+21
-357	5,363534E+21	8,601388E+21	1,097251E+22	1,097263E+22	8,601512E+21	5,363605E+21	2,432655E+21	5,942325E+20	3,496516E+19	3,495223E+19	5,940943E+20	2,432335E+21
-356	5,363192E+21	8,601311E+21	1,097276E+22	1,097281E+22	8,601517E+21	5,363477E+21	2,432537E+21	5,942214E+20	3,498280E+19	3,498936E+19	5,942826E+20	2,432674E+21
-355	5,363560E+21	8,601355E+21	1,097231E+22	1,097202E+22	8,600825E+21	5,363169E+21	2,432487E+21	5,942444E+20	3,499801E+19	3,500904E+19	5,943642E+20	2,432683E+21
-354	5,363274E+21	8,600604E+21	1,097145E+22	1,097180E+22	8,601095E+21	5,363521E+21	2,432814E+21	5,944587E+20	3,503725E+19	3,502899E+19	5,943373E+20	2,432536E+21
-353	5,363196E+21	8,600870E+21	1,097167E+22	1,097162E+22	8,600778E+21	5,363204E+21	2,432597E+21	5,943974E+20	3,504837E+19	3,506317E+19	5,945540E+20	2,432890E+21
-352	5,363436E+21	8,600721E+21	1,097109E+22	1,097081E+22	8,600251E+21	5,363145E+21	2,432753E+21	5,945175E+20	3,507077E+19	3,507030E+19	5,945033E+20	2,432662E+21
-351	5,362971E+21	8,600122E+21	1,097078E+22	1,097104E+22	8,600588E+21	5,363355E+21	2,432910E+21	5,946356E+20	3,509438E+19	3,508674E+19	5,945289E+20	2,432690E+21
-350	5,363136E+21	8,600449E+21	1,097091E+22	1,097078E+22	8,600153E+21	5,362933E+21	2,432627E+21	5,945284E+20	3,509352E+19	3,510525E+19	5,946885E+20	2,432952E+21
-349	5,363232E+21	8,600124E+21	1,097025E+22	1,097034E+22	8,600228E+21	5,363250E+21	2,432893E+21	5,946478E+20	3,510147E+19	3,509327E+19	5,945404E+20	2,432648E+21
-348	5,362911E+21	8,600100E+21	1,097074E+22	1,097091E+22	8,600505E+21	5,363275E+21	2,432822E+21	5,945961E+20	3,509426E+19	3,509035E+19	5,945791E+20	2,432851E+21
-347	5,363410E+21	8,600688E+21	1,097102E+22	1,097072E+22	8,600062E+21	5,362920E+21	2,432604E+21	5,944617E+20	3,506806E+19	3,507840E+19	5,945768E+20	2,432831E+21
-346	5,363241E+21	8,600349E+21	1,097079E+22	1,097105E+22	8,600649E+21	5,363373E+21	2,432858E+21	5,945440E+20	3,505965E+19	3,504508E+19	5,943676E+20	2,432491E+21
-345	5,363035E+21	8,600751E+21	1,097171E+22	1,097172E+22	8,600859E+21	5,363255E+21	2,432610E+21	5,943813E+20	3,503746E+19	3,504062E+19	5,944537E+20	2,432784E+21
-344	5,363427E+21	8,600958E+21	1,097175E+22	1,097157E+22	8,600644E+21	5,363179E+21	2,432583E+21	5,943182E+20	3,501076E+19	3,501442E+19	5,943366E+20	2,432577E+21
-343	5,363128E+21	8,600586E+21	1,097165E+22	1,097208E+22	8,601275E+21	5,363572E+21	2,432768E+21	5,943801E+20	3,500988E+19	3,499556E+19	5,942386E+20	2,432489E+21
-342	5,363282E+21	8,601136E+21	1,097217E+22	1,097219E+22	8,601072E+21	5,363230E+21	2,432455E+21	5,942121E+20	3,498997E+19	3,500319E+19	5,943657E+20	2,432778E+21
-341	5,363551E+21	8,601144E+21	1,097188E+22	1,097178E+22	8,600977E+21	5,363420E+21	2,432644E+21	5,942851E+20	3,498973E+19	3,498411E+19	5,942164E+20	2,432464E+21
-340	5,363156E+21	8,600931E+21	1,097218E+22	1,097230E+22	8,601248E+21	5,363510E+21	2,432703E+21	5,943362E+20	3,500431E+19	3,499757E+19	5,942637E+20	2,432582E+21
-339	5,363482E+21	8,601335E+21	1,097229E+22	1,097202E+22	8,600723E+21	5,363027E+21	2,432426E+21	5,942382E+20	3,500015E+19	3,501627E+19	5,944026E+20	2,432740E+21
-338	5,363375E+21	8,600799E+21	1,097147E+22	1,097164E+22	8,600952E+21	5,363399E+21	2,432734E+21	5,944235E+20	3,503084E+19	3,502130E+19	5,943168E+20	2,432479E+21
-337	5,363009E+21	8,600662E+21	1,097165E+22	1,097175E+22	8,600953E+21	5,363343E+21	2,432667E+21	5,944248E+20	3,504950E+19	3,505849E+19	5,945059E+20	2,432835E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-336	5,363428E+21	8,600765E+21	1,097128E+22	1,097101E+22	8,600250E+21	5,363016E+21	2,432621E+21	5,944516E+20	3,506444E+19	3,507474E+19	5,945613E+20	2,432791E+21
-335	5,363133E+21	8,600120E+21	1,097048E+22	1,097076E+22	8,600490E+21	5,363373E+21	2,432964E+21	5,946737E+20	3,510338E+19	3,509369E+19	5,945327E+20	2,432624E+21
-334	5,362951E+21	8,600214E+21	1,097062E+22	1,097057E+22	8,600128E+21	5,363001E+21	2,432736E+21	5,946270E+20	3,511913E+19	3,512993E+19	5,947506E+20	2,432984E+21
-333	5,363213E+21	8,600061E+21	1,097000E+22	1,096978E+22	8,599709E+21	5,362997E+21	2,432879E+21	5,947353E+20	3,514150E+19	3,514007E+19	5,947149E+20	2,432766E+21
-332	5,362740E+21	8,599464E+21	1,096972E+22	1,097001E+22	8,600027E+21	5,363210E+21	2,433041E+21	5,948468E+20	3,516218E+19	3,515360E+19	5,947361E+20	2,432829E+21
-331	5,363010E+21	8,599897E+21	1,096990E+22	1,096975E+22	8,599532E+21	5,362723E+21	2,432712E+21	5,947087E+20	3,515434E+19	3,516764E+19	5,948866E+20	2,433103E+21
-330	5,363168E+21	8,599688E+21	1,096936E+22	1,096941E+22	8,599684E+21	5,363054E+21	2,432962E+21	5,948047E+20	3,515437E+19	3,514832E+19	5,947107E+20	2,432746E+21
-329	5,362785E+21	8,599674E+21	1,096994E+22	1,097007E+22	8,600013E+21	5,363139E+21	2,432923E+21	5,947597E+20	3,514657E+19	3,514254E+19	5,947375E+20	2,432932E+21
-328	5,363251E+21	8,600238E+21	1,097035E+22	1,097007E+22	8,599644E+21	5,362777E+21	2,432696E+21	5,946235E+20	3,511948E+19	3,512815E+19	5,947200E+20	2,432879E+21
-327	5,363045E+21	8,599883E+21	1,097006E+22	1,097036E+22	8,600269E+21	5,363260E+21	2,432957E+21	5,947069E+20	3,511144E+19	3,509638E+19	5,945310E+20	2,432575E+21
-326	5,362797E+21	8,600092E+21	1,097075E+22	1,097086E+22	8,600417E+21	5,363136E+21	2,432714E+21	5,945545E+20	3,509295E+19	3,509556E+19	5,946272E+20	2,432910E+21
-325	5,363308E+21	8,600410E+21	1,097075E+22	1,097060E+22	8,600174E+21	5,363090E+21	2,432695E+21	5,944896E+20	3,506729E+19	3,507227E+19	5,945188E+20	2,432699E+21
-324	5,363024E+21	8,600123E+21	1,097073E+22	1,097108E+22	8,600700E+21	5,363427E+21	2,432892E+21	5,945650E+20	3,506813E+19	3,505330E+19	5,944133E+20	2,432604E+21
-323	5,363215E+21	8,600750E+21	1,097135E+22	1,097123E+22	8,600423E+21	5,362988E+21	2,432531E+21	5,943879E+20	3,504794E+19	3,506206E+19	5,945454E+20	2,432886E+21
-322	5,363440E+21	8,600724E+21	1,097108E+22	1,097091E+22	8,600401E+21	5,363173E+21	2,432702E+21	5,944569E+20	3,504807E+19	3,504397E+19	5,944005E+20	2,432547E+21
-321	5,362939E+21	8,600357E+21	1,097128E+22	1,097145E+22	8,600770E+21	5,363352E+21	2,432797E+21	5,945231E+20	3,506633E+19	3,506119E+19	5,944654E+20	2,432704E+21
-320	5,363285E+21	8,600719E+21	1,097137E+22	1,097118E+22	8,600272E+21	5,362898E+21	2,432537E+21	5,944293E+20	3,506338E+19	3,507972E+19	5,945991E+20	2,432860E+21
-319	5,363218E+21	8,600235E+21	1,097048E+22	1,097066E+22	8,600435E+21	5,363292E+21	2,432883E+21	5,946279E+20	3,509522E+19	3,508629E+19	5,945228E+20	2,432605E+21
-318	5,362812E+21	8,599987E+21	1,097052E+22	1,097065E+22	8,600352E+21	5,363202E+21	2,432828E+21	5,946519E+20	3,511895E+19	3,512561E+19	5,947071E+20	2,432950E+21
-317	5,363270E+21	8,600188E+21	1,097017E+22	1,096985E+22	8,599632E+21	5,362881E+21	2,432779E+21	5,946849E+20	3,513778E+19	3,514616E+19	5,947719E+20	2,432878E+21
-316	5,362894E+21	8,599489E+21	1,096943E+22	1,096964E+22	8,599819E+21	5,363182E+21	2,433119E+21	5,949156E+20	3,517842E+19	3,516597E+19	5,947475E+20	2,432736E+21
-315	5,362750E+21	8,599555E+21	1,096953E+22	1,096949E+22	8,599458E+21	5,362737E+21	2,432819E+21	5,948404E+20	3,519109E+19	3,520241E+19	5,949794E+20	2,433140E+21
-314	5,363064E+21	8,599435E+21	1,096890E+22	1,096871E+22	8,599092E+21	5,362761E+21	2,432945E+21	5,949215E+20	3,520636E+19	3,520815E+19	5,949343E+20	2,432922E+21
-313	5,362606E+21	8,598881E+21	1,096868E+22	1,096898E+22	8,599458E+21	5,363047E+21	2,433141E+21	5,950289E+20	3,522305E+19	3,521640E+19	5,949382E+20	2,432981E+21
-312	5,362923E+21	8,599439E+21	1,096908E+22	1,096889E+22	8,599020E+21	5,362570E+21	2,432813E+21	5,948826E+20	3,521073E+19	3,522331E+19	5,950499E+20	2,433187E+21
-311	5,363051E+21	8,599320E+21	1,096865E+22	1,096861E+22	8,599207E+21	5,362926E+21	2,433074E+21	5,949746E+20	3,520751E+19	3,520073E+19	5,948669E+20	2,432799E+21
-310	5,362551E+21	8,599106E+21	1,096913E+22	1,096929E+22	8,599558E+21	5,363005E+21	2,433036E+21	5,949410E+20	3,520272E+19	3,519574E+19	5,948916E+20	2,432990E+21
-309	5,363041E+21	8,599662E+21	1,096943E+22	1,096925E+22	8,599275E+21	5,362705E+21	2,432803E+21	5,947967E+20	3,517593E+19	3,518451E+19	5,948903E+20	2,432956E+21
-308	5,362835E+21	8,599301E+21	1,096914E+22	1,096945E+22	8,599807E+21	5,363167E+21	2,433078E+21	5,948817E+20	3,516703E+19	3,515143E+19	5,947040E+20	2,432704E+21
-307	5,362712E+21	8,599581E+21	1,096982E+22	1,096991E+22	8,599850E+21	5,362945E+21	2,432788E+21	5,947112E+20	3,514551E+19	3,515015E+19	5,948023E+20	2,433050E+21
-306	5,363269E+21	8,600014E+21	1,096991E+22	1,096968E+22	8,599610E+21	5,362880E+21	2,432756E+21	5,946382E+20	3,511714E+19	3,512463E+19	5,946859E+20	2,432807E+21
-305	5,362929E+21	8,599733E+21	1,096999E+22	1,097023E+22	8,600152E+21	5,363247E+21	2,432977E+21	5,947302E+20	3,512189E+19	3,510789E+19	5,945836E+20	2,432701E+21
-304	5,363066E+21	8,600311E+21	1,097068E+22	1,097052E+22	8,599945E+21	5,362810E+21	2,432620E+21	5,945642E+20	3,510489E+19	3,511809E+19	5,947123E+20	2,432959E+21
-303	5,363260E+21	8,600237E+21	1,097031E+22	1,097014E+22	8,599976E+21	5,363040E+21	2,432803E+21	5,946404E+20	3,510856E+19	3,510502E+19	5,945942E+20	2,432653E+21
-302	5,362710E+21	8,599657E+21	1,097021E+22	1,097048E+22	8,600276E+21	5,363239E+21	2,432930E+21	5,947310E+20	3,513296E+19	3,512695E+19	5,946666E+20	2,432830E+21
-301	5,363130E+21	8,600082E+21	1,097021E+22	1,097008E+22	8,599758E+21	5,362819E+21	2,432693E+21	5,946500E+20	3,513405E+19	3,514960E+19	5,948090E+20	2,432973E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-300	5,363041E+21	8,599640E+21	1,096941E+22	1,096951E+22	8,599782E+21	5,363143E+21	2,433052E+21	5,948644E+20	3,516809E+19	3,515692E+19	5,947321E+20	2,432725E+21
-299	5,362660E+21	8,599380E+21	1,096944E+22	1,096949E+22	8,599612E+21	5,362950E+21	2,432943E+21	5,948762E+20	3,519119E+19	3,519732E+19	5,949238E+20	2,433063E+21
-298	5,363079E+21	8,599572E+21	1,096912E+22	1,096877E+22	8,598955E+21	5,362619E+21	2,432866E+21	5,948929E+20	3,520718E+19	3,521723E+19	5,949952E+20	2,432998E+21
-297	5,362669E+21	8,598814E+21	1,096835E+22	1,096858E+22	8,599215E+21	5,362979E+21	2,433210E+21	5,951168E+20	3,524648E+19	3,523633E+19	5,949749E+20	2,432891E+21
-296	5,362582E+21	8,598935E+21	1,096854E+22	1,096852E+22	8,598901E+21	5,362567E+21	2,432916E+21	5,950296E+20	3,525489E+19	3,526703E+19	5,951823E+20	2,433281E+21
-295	5,362966E+21	8,598945E+21	1,096798E+22	1,096776E+22	8,598563E+21	5,362618E+21	2,433053E+21	5,951016E+20	3,526563E+19	3,526897E+19	5,951261E+20	2,433043E+21
-294	5,362465E+21	8,598328E+21	1,096772E+22	1,096802E+22	8,598926E+21	5,362912E+21	2,433267E+21	5,952214E+20	3,528323E+19	3,527428E+19	5,951080E+20	2,433069E+21
-293	5,362793E+21	8,598975E+21	1,096819E+22	1,096798E+22	8,598557E+21	5,362485E+21	2,432952E+21	5,950790E+20	3,527203E+19	3,528214E+19	5,952174E+20	2,433236E+21
-292	5,362822E+21	8,598787E+21	1,096785E+22	1,096778E+22	8,598711E+21	5,362799E+21	2,433209E+21	5,951722E+20	3,526802E+19	3,525848E+19	5,950385E+20	2,432887E+21
-291	5,362370E+21	8,598501E+21	1,096819E+22	1,096842E+22	8,599044E+21	5,362822E+21	2,433112E+21	5,951118E+20	3,526018E+19	3,525403E+19	5,950764E+20	2,433111E+21
-290	5,362906E+21	8,599111E+21	1,096848E+22	1,096832E+22	8,598753E+21	5,362529E+21	2,432867E+21	5,949454E+20	3,522742E+19	3,523974E+19	5,950722E+20	2,433088E+21
-289	5,362737E+21	8,598817E+21	1,096825E+22	1,096852E+22	8,599266E+21	5,363010E+21	2,433158E+21	5,950328E+20	3,521776E+19	3,520428E+19	5,948761E+20	2,432836E+21
-288	5,362655E+21	8,599221E+21	1,096912E+22	1,096911E+22	8,599333E+21	5,362776E+21	2,432869E+21	5,948664E+20	3,519570E+19	3,519991E+19	5,949490E+20	2,433127E+21
-287	5,363177E+21	8,599687E+21	1,096928E+22	1,096894E+22	8,599126E+21	5,362720E+21	2,432845E+21	5,948016E+20	3,516962E+19	3,517607E+19	5,948398E+20	2,432860E+21
-286	5,362705E+21	8,599170E+21	1,096918E+22	1,096947E+22	8,599707E+21	5,363105E+21	2,433084E+21	5,949180E+20	3,518142E+19	3,516481E+19	5,947512E+20	2,432771E+21
-285	5,362859E+21	8,599718E+21	1,096972E+22	1,096965E+22	8,599563E+21	5,362745E+21	2,432747E+21	5,947634E+20	3,516947E+19	3,518174E+19	5,949028E+20	2,433043E+21
-284	5,363025E+21	8,599587E+21	1,096930E+22	1,096915E+22	8,599463E+21	5,362950E+21	2,432957E+21	5,948522E+20	3,517565E+19	3,517114E+19	5,947992E+20	2,432795E+21
-283	5,362587E+21	8,599017E+21	1,096908E+22	1,096937E+22	8,599651E+21	5,363057E+21	2,433045E+21	5,949333E+20	3,519950E+19	3,519534E+19	5,948804E+20	2,432970E+21
-282	5,363017E+21	8,599531E+21	1,096914E+22	1,096894E+22	8,599080E+21	5,362604E+21	2,432798E+21	5,948494E+20	3,519968E+19	3,521747E+19	5,950220E+20	2,433095E+21
-281	5,362878E+21	8,599075E+21	1,096841E+22	1,096841E+22	8,599085E+21	5,362926E+21	2,433167E+21	5,950754E+20	3,523668E+19	3,522664E+19	5,949512E+20	2,432853E+21
-280	5,362474E+21	8,598795E+21	1,096851E+22	1,096852E+22	8,598981E+21	5,362718E+21	2,433041E+21	5,950858E+20	3,526001E+19	3,526591E+19	5,951355E+20	2,433180E+21
-279	5,362896E+21	8,598972E+21	1,096813E+22	1,096779E+22	8,598389E+21	5,362431E+21	2,432962E+21	5,950939E+20	3,527503E+19	3,528657E+19	5,952181E+20	2,433140E+21
-278	5,362475E+21	8,598112E+21	1,096720E+22	1,096751E+22	8,598635E+21	5,362824E+21	2,433329E+21	5,953243E+20	3,531477E+19	3,530445E+19	5,951868E+20	2,433040E+21
-277	5,362479E+21	8,598377E+21	1,096744E+22	1,096743E+22	8,598368E+21	5,362471E+21	2,433063E+21	5,952428E+20	3,532330E+19	3,533398E+19	5,953799E+20	2,433382E+21
-276	5,362813E+21	8,598446E+21	1,096708E+22	1,096677E+22	8,597983E+21	5,362491E+21	2,433209E+21	5,953171E+20	3,533176E+19	3,533221E+19	5,953087E+20	2,433138E+21
-275	5,362325E+21	8,597804E+21	1,096681E+22	1,096708E+22	8,598330E+21	5,362712E+21	2,433370E+21	5,954161E+20	3,534591E+19	3,533561E+19	5,952883E+20	2,433140E+21
-274	5,362589E+21	8,598424E+21	1,096731E+22	1,096713E+22	8,598039E+21	5,362300E+21	2,433037E+21	5,952526E+20	3,532941E+19	3,534069E+19	5,953984E+20	2,433320E+21
-273	5,362600E+21	8,598181E+21	1,096694E+22	1,096692E+22	8,598230E+21	5,362660E+21	2,433294E+21	5,953338E+20	3,532218E+19	3,531478E+19	5,952234E+20	2,433015E+21
-272	5,362225E+21	8,597967E+21	1,096733E+22	1,096759E+22	8,598565E+21	5,362687E+21	2,433196E+21	5,952619E+20	3,531012E+19	3,530485E+19	5,952382E+20	2,433225E+21
-271	5,362828E+21	8,598705E+21	1,096770E+22	1,096752E+22	8,598288E+21	5,362397E+21	2,432951E+21	5,950898E+20	3,527478E+19	3,528856E+19	5,952284E+20	2,433189E+21
-270	5,362631E+21	8,598375E+21	1,096744E+22	1,096768E+22	8,598761E+21	5,362865E+21	2,433254E+21	5,951964E+20	3,526966E+19	3,525403E+19	5,950231E+20	2,432913E+21
-269	5,362546E+21	8,598824E+21	1,096834E+22	1,096830E+22	8,598889E+21	5,362675E+21	2,432991E+21	5,950517E+20	3,525363E+19	3,525511E+19	5,951056E+20	2,433172E+21
-268	5,362960E+21	8,599188E+21	1,096853E+22	1,096820E+22	8,598667E+21	5,362583E+21	2,432963E+21	5,949964E+20	3,523119E+19	3,523503E+19	5,950181E+20	2,432963E+21
-267	5,362538E+21	8,598553E+21	1,096819E+22	1,096857E+22	8,599191E+21	5,362929E+21	2,433165E+21	5,951002E+20	3,524387E+19	3,522895E+19	5,949542E+20	2,432901E+21
-266	5,362712E+21	8,599125E+21	1,096868E+22	1,096864E+22	8,599000E+21	5,362588E+21	2,432845E+21	5,949406E+20	3,522990E+19	3,524607E+19	5,951105E+20	2,433184E+21
-265	5,362899E+21	8,599031E+21	1,096827E+22	1,096809E+22	8,598833E+21	5,362782E+21	2,433070E+21	5,950416E+20	3,523845E+19	3,523657E+19	5,950091E+20	2,432938E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-264	5,362476E+21	8,598535E+21	1,096817E+22	1,096836E+22	8,599009E+21	5,362862E+21	2,433157E+21	5,951296E+20	3,526279E+19	3,525909E+19	5,950727E+20	2,433066E+21
-263	5,362858E+21	8,599037E+21	1,096826E+22	1,096799E+22	8,598469E+21	5,362403E+21	2,432906E+21	5,950510E+20	3,526530E+19	3,528303E+19	5,952227E+20	2,433182E+21
-262	5,362628E+21	8,598384E+21	1,096734E+22	1,096741E+22	8,598494E+21	5,362732E+21	2,433280E+21	5,952923E+20	3,530719E+19	3,529566E+19	5,951611E+20	2,432966E+21
-261	5,362275E+21	8,598132E+21	1,096736E+22	1,096745E+22	8,598459E+21	5,362604E+21	2,433182E+21	5,953114E+20	3,533319E+19	3,533760E+19	5,953527E+20	2,433297E+21
-260	5,362687E+21	8,598318E+21	1,096705E+22	1,096673E+22	8,597798E+21	5,362298E+21	2,433118E+21	5,953212E+20	3,534706E+19	3,535688E+19	5,954349E+20	2,433297E+21
-259	5,362371E+21	8,597507E+21	1,096609E+22	1,096640E+22	8,597992E+21	5,362631E+21	2,433445E+21	5,955321E+20	3,538307E+19	3,537342E+19	5,953983E+20	2,433171E+21
-258	5,362362E+21	8,597882E+21	1,096647E+22	1,096638E+22	8,597732E+21	5,362290E+21	2,433183E+21	5,954412E+20	3,538761E+19	3,539909E+19	5,955781E+20	2,433480E+21
-257	5,362627E+21	8,597913E+21	1,096619E+22	1,096584E+22	8,597391E+21	5,362315E+21	2,433325E+21	5,955128E+20	3,539478E+19	3,539585E+19	5,955050E+20	2,433237E+21
-256	5,362125E+21	8,597260E+21	1,096598E+22	1,096628E+22	8,597828E+21	5,362533E+21	2,433459E+21	5,955958E+20	3,540511E+19	3,539463E+19	5,954712E+20	2,433236E+21
-255	5,362397E+21	8,597860E+21	1,096640E+22	1,096629E+22	8,597581E+21	5,362159E+21	2,433117E+21	5,954154E+20	3,538468E+19	3,539726E+19	5,955789E+20	2,433431E+21
-254	5,362420E+21	8,597552E+21	1,096591E+22	1,096599E+22	8,597726E+21	5,362530E+21	2,433395E+21	5,955006E+20	3,537654E+19	3,536868E+19	5,953926E+20	2,433141E+21
-253	5,362156E+21	8,597525E+21	1,096639E+22	1,096665E+22	8,598079E+21	5,362586E+21	2,433318E+21	5,954383E+20	3,536586E+19	3,535859E+19	5,953953E+20	2,433303E+21
-252	5,362695E+21	8,598303E+21	1,096695E+22	1,096668E+22	8,597763E+21	5,362262E+21	2,433077E+21	5,952727E+20	3,533064E+19	3,534133E+19	5,953827E+20	2,433277E+21
-251	5,362515E+21	8,597932E+21	1,096665E+22	1,096687E+22	8,598229E+21	5,362662E+21	2,433325E+21	5,953632E+20	3,532563E+19	3,530986E+19	5,951909E+20	2,432990E+21
-250	5,362379E+21	8,598346E+21	1,096753E+22	1,096751E+22	8,598403E+21	5,362502E+21	2,433065E+21	5,952135E+20	3,530864E+19	3,531251E+19	5,952854E+20	2,433266E+21
-249	5,362765E+21	8,598623E+21	1,096765E+22	1,096737E+22	8,598195E+21	5,362451E+21	2,433051E+21	5,951596E+20	3,528730E+19	3,529409E+19	5,952109E+20	2,433097E+21
-248	5,362405E+21	8,598044E+21	1,096731E+22	1,096770E+22	8,598684E+21	5,362785E+21	2,433261E+21	5,952659E+20	3,529935E+19	3,528663E+19	5,951370E+20	2,433021E+21
-247	5,362594E+21	8,598647E+21	1,096778E+22	1,096773E+22	8,598474E+21	5,362445E+21	2,432951E+21	5,951149E+20	3,528678E+19	3,530431E+19	5,952904E+20	2,433279E+21
-246	5,362728E+21	8,598471E+21	1,096728E+22	1,096709E+22	8,598239E+21	5,362624E+21	2,433203E+21	5,952454E+20	3,530233E+19	3,529849E+19	5,951957E+20	2,433035E+21
-245	5,362312E+21	8,598000E+21	1,096716E+22	1,096735E+22	8,598438E+21	5,362720E+21	2,433311E+21	5,953589E+20	3,533398E+19	3,532732E+19	5,952722E+20	2,433142E+21
-244	5,362595E+21	8,598389E+21	1,096725E+22	1,096702E+22	8,597891E+21	5,362235E+21	2,433052E+21	5,952880E+20	3,534012E+19	3,535498E+19	5,954453E+20	2,433330E+21
-243	5,362451E+21	8,597675E+21	1,096614E+22	1,096628E+22	8,597851E+21	5,362515E+21	2,433375E+21	5,955071E+20	3,538097E+19	3,537115E+19	5,953997E+20	2,433131E+21
-242	5,362141E+21	8,597515E+21	1,096620E+22	1,096629E+22	8,597781E+21	5,362407E+21	2,433297E+21	5,955192E+20	3,540319E+19	3,541033E+19	5,955835E+20	2,433456E+21
-241	5,362563E+21	8,597760E+21	1,096600E+22	1,096564E+22	8,597141E+21	5,362109E+21	2,433240E+21	5,955297E+20	3,541596E+19	3,542737E+19	5,956538E+20	2,433435E+21
-240	5,362243E+21	8,597041E+21	1,096520E+22	1,096542E+22	8,597374E+21	5,362439E+21	2,433560E+21	5,957329E+20	3,544782E+19	3,543798E+19	5,955906E+20	2,433256E+21
-239	5,362165E+21	8,597368E+21	1,096563E+22	1,096553E+22	8,597208E+21	5,362126E+21	2,433293E+21	5,956334E+20	3,544987E+19	3,546056E+19	5,957610E+20	2,433545E+21
-238	5,362358E+21	8,597234E+21	1,096518E+22	1,096495E+22	8,596907E+21	5,362173E+21	2,433438E+21	5,957042E+20	3,545642E+19	3,545643E+19	5,956900E+20	2,433337E+21
-237	5,361933E+21	8,596635E+21	1,096489E+22	1,096531E+22	8,597385E+21	5,362454E+21	2,433590E+21	5,957857E+20	3,546588E+19	3,545366E+19	5,956505E+20	2,433335E+21
-236	5,362211E+21	8,597279E+21	1,096544E+22	1,096537E+22	8,597081E+21	5,362046E+21	2,433245E+21	5,955974E+20	3,544175E+19	3,545277E+19	5,957522E+20	2,433574E+21
-235	5,362357E+21	8,597068E+21	1,096495E+22	1,096501E+22	8,597142E+21	5,362329E+21	2,433468E+21	5,956610E+20	3,543034E+19	3,542326E+19	5,955614E+20	2,433254E+21
-234	5,362089E+21	8,597178E+21	1,096563E+22	1,096575E+22	8,597489E+21	5,362395E+21	2,433405E+21	5,955974E+20	3,541790E+19	3,541169E+19	5,955582E+20	2,433389E+21
-233	5,362554E+21	8,597902E+21	1,096627E+22	1,096595E+22	8,597250E+21	5,362076E+21	2,433158E+21	5,954362E+20	3,538448E+19	3,539607E+19	5,955525E+20	2,433366E+21
-232	5,362353E+21	8,597506E+21	1,096596E+22	1,096618E+22	8,597793E+21	5,362489E+21	2,433388E+21	5,955177E+20	3,537864E+19	3,536424E+19	5,953620E+20	2,433088E+21
-231	5,362214E+21	8,597845E+21	1,096671E+22	1,096676E+22	8,598001E+21	5,362386E+21	2,433145E+21	5,953665E+20	3,536132E+19	3,536739E+19	5,954567E+20	2,433363E+21
-230	5,362586E+21	8,598028E+21	1,096665E+22	1,096646E+22	8,597715E+21	5,362339E+21	2,433168E+21	5,953350E+20	3,534403E+19	3,535073E+19	5,953857E+20	2,433211E+21
-229	5,362301E+21	8,597560E+21	1,096630E+22	1,096671E+22	8,598181E+21	5,362689E+21	2,433414E+21	5,954707E+20	3,536256E+19	3,534737E+19	5,953123E+20	2,433094E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-228	5,362388E+21	8,598112E+21	1,096688E+22	1,096679E+22	8,597901E+21	5,362300E+21	2,433109E+21	5,953376E+20	3,535426E+19	3,536789E+19	5,954778E+20	2,433380E+21
-227	5,362536E+21	8,597848E+21	1,096624E+22	1,096608E+22	8,597599E+21	5,362388E+21	2,433306E+21	5,954608E+20	3,537319E+19	3,536877E+19	5,954109E+20	2,433148E+21
-226	5,362105E+21	8,597376E+21	1,096609E+22	1,096628E+22	8,597790E+21	5,362505E+21	2,433418E+21	5,955697E+20	3,540448E+19	3,540016E+19	5,955038E+20	2,433286E+21
-225	5,362390E+21	8,597715E+21	1,096613E+22	1,096593E+22	8,597268E+21	5,362052E+21	2,433164E+21	5,954965E+20	3,541090E+19	3,542844E+19	5,956829E+20	2,433504E+21
-224	5,362329E+21	8,597131E+21	1,096511E+22	1,096522E+22	8,597228E+21	5,362319E+21	2,433476E+21	5,957027E+20	3,544758E+19	3,544081E+19	5,956203E+20	2,433286E+21
-223	5,362042E+21	8,597018E+21	1,096522E+22	1,096527E+22	8,597189E+21	5,362232E+21	2,433407E+21	5,957159E+20	3,546821E+19	3,547606E+19	5,957811E+20	2,433556E+21
-222	5,362376E+21	8,597176E+21	1,096498E+22	1,096464E+22	8,596560E+21	5,361955E+21	2,433382E+21	5,957445E+20	3,548351E+19	3,549291E+19	5,958470E+20	2,433527E+21
-221	5,362053E+21	8,596478E+21	1,096421E+22	1,096448E+22	8,596864E+21	5,362308E+21	2,433712E+21	5,959578E+20	3,551755E+19	3,550434E+19	5,957837E+20	2,433325E+21
-220	5,361875E+21	8,596676E+21	1,096463E+22	1,096462E+22	8,596708E+21	5,361994E+21	2,433435E+21	5,958508E+20	3,551792E+19	3,552544E+19	5,959602E+20	2,433677E+21
-219	5,362173E+21	8,596536E+21	1,096402E+22	1,096388E+22	8,596328E+21	5,361993E+21	2,433529E+21	5,958892E+20	3,551907E+19	3,552070E+19	5,958944E+20	2,433488E+21
-218	5,361835E+21	8,596122E+21	1,096386E+22	1,096422E+22	8,596737E+21	5,362267E+21	2,433688E+21	5,959558E+20	3,552276E+19	3,551277E+19	5,958390E+20	2,433472E+21
-217	5,362127E+21	8,596848E+21	1,096458E+22	1,096442E+22	8,596490E+21	5,361860E+21	2,433336E+21	5,957636E+20	3,549639E+19	3,550856E+19	5,959235E+20	2,433682E+21
-216	5,362276E+21	8,596764E+21	1,096432E+22	1,096424E+22	8,596610E+21	5,362123E+21	2,433529E+21	5,958119E+20	3,548115E+19	3,547452E+19	5,957143E+20	2,433325E+21
-215	5,361944E+21	8,596800E+21	1,096501E+22	1,096512E+22	8,597074E+21	5,362225E+21	2,433466E+21	5,957467E+20	3,546809E+19	3,546154E+19	5,957039E+20	2,433436E+21
-214	5,362323E+21	8,597336E+21	1,096545E+22	1,096526E+22	8,596901E+21	5,361975E+21	2,433253E+21	5,955975E+20	3,543690E+19	3,544776E+19	5,957095E+20	2,433450E+21
-213	5,362183E+21	8,596968E+21	1,096505E+22	1,096538E+22	8,597440E+21	5,362439E+21	2,433522E+21	5,956950E+20	3,543468E+19	3,541865E+19	5,955255E+20	2,433171E+21
-212	5,362011E+21	8,597269E+21	1,096580E+22	1,096591E+22	8,597564E+21	5,362311E+21	2,433295E+21	5,955563E+20	3,541915E+19	3,542329E+19	5,956268E+20	2,433481E+21
-211	5,362464E+21	8,597479E+21	1,096563E+22	1,096543E+22	8,597139E+21	5,362168E+21	2,433276E+21	5,955220E+20	3,540472E+19	3,541181E+19	5,955736E+20	2,433324E+21
-210	5,362178E+21	8,597098E+21	1,096537E+22	1,096564E+22	8,597508E+21	5,362489E+21	2,433534E+21	5,956684E+20	3,542632E+19	3,541238E+19	5,955137E+20	2,433206E+21
-209	5,362202E+21	8,597548E+21	1,096594E+22	1,096582E+22	8,597281E+21	5,362077E+21	2,433212E+21	5,955445E+20	3,542245E+19	3,543733E+19	5,956968E+20	2,433516E+21
-208	5,362367E+21	8,597292E+21	1,096528E+22	1,096509E+22	8,597000E+21	5,362150E+21	2,433375E+21	5,956544E+20	3,544087E+19	3,543899E+19	5,956367E+20	2,433306E+21
-207	5,361959E+21	8,596788E+21	1,096506E+22	1,096527E+22	8,597216E+21	5,362313E+21	2,433501E+21	5,957596E+20	3,547040E+19	3,546863E+19	5,957188E+20	2,433430E+21
-206	5,362237E+21	8,597090E+21	1,096501E+22	1,096484E+22	8,596670E+21	5,361892E+21	2,433294E+21	5,957057E+20	3,547921E+19	3,549669E+19	5,958915E+20	2,433639E+21
-205	5,362214E+21	8,596609E+21	1,096405E+22	1,096414E+22	8,596658E+21	5,362192E+21	2,433641E+21	5,959326E+20	3,551910E+19	3,550978E+19	5,958176E+20	2,433364E+21
-204	5,361808E+21	8,596427E+21	1,096427E+22	1,096432E+22	8,596633E+21	5,362099E+21	2,433578E+21	5,959530E+20	3,554034E+19	3,554386E+19	5,959775E+20	2,433647E+21
-203	5,362142E+21	8,596488E+21	1,096388E+22	1,096360E+22	8,595968E+21	5,361758E+21	2,433499E+21	5,959644E+20	3,555508E+19	3,556361E+19	5,960598E+20	2,433630E+21
-202	5,361825E+21	8,595823E+21	1,096311E+22	1,096339E+22	8,596248E+21	5,362137E+21	2,433831E+21	5,961599E+20	3,558431E+19	3,557268E+19	5,960001E+20	2,433461E+21
-201	5,361675E+21	8,596001E+21	1,096354E+22	1,096357E+22	8,596116E+21	5,361824E+21	2,433542E+21	5,960399E+20	3,558100E+19	3,559003E+19	5,961656E+20	2,433824E+21
-200	5,362071E+21	8,596053E+21	1,096309E+22	1,096290E+22	8,595730E+21	5,361786E+21	2,433601E+21	5,960519E+20	3,557446E+19	3,557848E+19	5,960780E+20	2,433622E+21
-199	5,361771E+21	8,595742E+21	1,096308E+22	1,096335E+22	8,596197E+21	5,362077E+21	2,433755E+21	5,961101E+20	3,557430E+19	3,556440E+19	5,959929E+20	2,433549E+21
-198	5,361987E+21	8,596414E+21	1,096382E+22	1,096363E+22	8,596012E+21	5,361718E+21	2,433441E+21	5,959341E+20	3,554991E+19	3,556024E+19	5,960745E+20	2,433750E+21
-197	5,362124E+21	8,596328E+21	1,096360E+22	1,096356E+22	8,596246E+21	5,362016E+21	2,433644E+21	5,959934E+20	3,553811E+19	3,552835E+19	5,958696E+20	2,433378E+21
-196	5,361705E+21	8,596229E+21	1,096422E+22	1,096444E+22	8,596737E+21	5,362149E+21	2,433585E+21	5,959278E+20	3,552546E+19	3,551645E+19	5,958709E+20	2,433545E+21
-195	5,362154E+21	8,596706E+21	1,096443E+22	1,096434E+22	8,596443E+21	5,361850E+21	2,433347E+21	5,957664E+20	3,549382E+19	3,550604E+19	5,958916E+20	2,433576E+21
-194	5,362081E+21	8,596482E+21	1,096409E+22	1,096434E+22	8,596843E+21	5,362293E+21	2,433637E+21	5,958680E+20	3,549153E+19	3,547769E+19	5,957130E+20	2,433298E+21
-193	5,361890E+21	8,596762E+21	1,096488E+22	1,096492E+22	8,596969E+21	5,362139E+21	2,433407E+21	5,957416E+20	3,547867E+19	3,548390E+19	5,958115E+20	2,433584E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-192	5,362336E+21	8,597068E+21	1,096484E+22	1,096452E+22	8,596536E+21	5,361943E+21	2,433353E+21	5,956999E+20	3,546438E+19	3,547290E+19	5,957639E+20	2,433432E+21
-191	5,362024E+21	8,596610E+21	1,096454E+22	1,096477E+22	8,596951E+21	5,362262E+21	2,433596E+21	5,958470E+20	3,548742E+19	3,547456E+19	5,957033E+20	2,433301E+21
-190	5,361986E+21	8,596894E+21	1,096491E+22	1,096486E+22	8,596770E+21	5,361928E+21	2,433320E+21	5,957397E+20	3,548692E+19	3,550214E+19	5,958992E+20	2,433650E+21
-189	5,362222E+21	8,596695E+21	1,096423E+22	1,096412E+22	8,596500E+21	5,362027E+21	2,433509E+21	5,958632E+20	3,550882E+19	3,550613E+19	5,958396E+20	2,433424E+21
-188	5,361780E+21	8,596179E+21	1,096404E+22	1,096427E+22	8,596681E+21	5,362191E+21	2,433656E+21	5,959807E+20	3,553948E+19	3,553558E+19	5,959196E+20	2,433558E+21
-187	5,362088E+21	8,596477E+21	1,096389E+22	1,096371E+22	8,596048E+21	5,361723E+21	2,433431E+21	5,959295E+20	3,555106E+19	3,556742E+19	5,961019E+20	2,433745E+21
-186	5,362039E+21	8,596067E+21	1,096306E+22	1,096302E+22	8,595960E+21	5,362009E+21	2,433795E+21	5,961620E+20	3,559191E+19	3,558276E+19	5,960393E+20	2,433472E+21
-185	5,361559E+21	8,595732E+21	1,096322E+22	1,096330E+22	8,596025E+21	5,361905E+21	2,433708E+21	5,961806E+20	3,561387E+19	3,561726E+19	5,962030E+20	2,433765E+21
-184	5,361929E+21	8,595854E+21	1,096282E+22	1,096255E+22	8,595372E+21	5,361550E+21	2,433582E+21	5,961598E+20	3,562248E+19	3,563356E+19	5,962846E+20	2,433789E+21
-183	5,361687E+21	8,595226E+21	1,096206E+22	1,096232E+22	8,595642E+21	5,361936E+21	2,433902E+21	5,963343E+20	3,564479E+19	3,563510E+19	5,961959E+20	2,433597E+21
-182	5,361556E+21	8,595433E+21	1,096250E+22	1,096253E+22	8,595535E+21	5,361666E+21	2,433653E+21	5,962215E+20	3,563981E+19	3,564826E+19	5,963427E+20	2,433943E+21
-181	5,361995E+21	8,595630E+21	1,096225E+22	1,096202E+22	8,595226E+21	5,361644E+21	2,433723E+21	5,962404E+20	3,563326E+19	3,563427E+19	5,962357E+20	2,433682E+21
-180	5,361589E+21	8,595287E+21	1,096239E+22	1,096265E+22	8,595759E+21	5,361951E+21	2,433877E+21	5,962989E+20	3,563244E+19	3,561839E+19	5,961493E+20	2,433621E+21
-179	5,361794E+21	8,595854E+21	1,096296E+22	1,096284E+22	8,595584E+21	5,361577E+21	2,433532E+21	5,961104E+20	3,560792E+19	3,561760E+19	5,962467E+20	2,433833E+21
-178	5,361940E+21	8,595799E+21	1,096273E+22	1,096269E+22	8,595774E+21	5,361911E+21	2,433749E+21	5,961575E+20	3,559322E+19	3,558565E+19	5,960532E+20	2,433497E+21
-177	5,361546E+21	8,595645E+21	1,096329E+22	1,096356E+22	8,596268E+21	5,362035E+21	2,433688E+21	5,960908E+20	3,557971E+19	3,557290E+19	5,960483E+20	2,433661E+21
-176	5,362064E+21	8,596278E+21	1,096357E+22	1,096342E+22	8,595902E+21	5,361675E+21	2,433417E+21	5,959163E+20	3,554498E+19	3,556009E+19	5,960629E+20	2,433694E+21
-175	5,362005E+21	8,596094E+21	1,096332E+22	1,096344E+22	8,596278E+21	5,362101E+21	2,433705E+21	5,960234E+20	3,554342E+19	3,553010E+19	5,958711E+20	2,433377E+21
-174	5,361740E+21	8,596274E+21	1,096406E+22	1,096405E+22	8,596424E+21	5,361970E+21	2,433515E+21	5,959245E+20	3,553653E+19	3,554085E+19	5,959828E+20	2,433669E+21
-173	5,362166E+21	8,596532E+21	1,096398E+22	1,096371E+22	8,596064E+21	5,361785E+21	2,433466E+21	5,959024E+20	3,552921E+19	3,553524E+19	5,959510E+20	2,433521E+21
-172	5,361799E+21	8,595977E+21	1,096360E+22	1,096391E+22	8,596493E+21	5,362137E+21	2,433715E+21	5,960519E+20	3,555420E+19	3,554008E+19	5,959070E+20	2,433442E+21
-171	5,361829E+21	8,596224E+21	1,096375E+22	1,096375E+22	8,596182E+21	5,361769E+21	2,433438E+21	5,959480E+20	3,555625E+19	3,557205E+19	5,961145E+20	2,433790E+21
-170	5,362105E+21	8,596157E+21	1,096318E+22	1,096294E+22	8,595812E+21	5,361862E+21	2,433653E+21	5,960802E+20	3,557978E+19	3,557843E+19	5,960610E+20	2,433554E+21
-169	5,361616E+21	8,595586E+21	1,096301E+22	1,096319E+22	8,596036E+21	5,362012E+21	2,433800E+21	5,962102E+20	3,561288E+19	3,560874E+19	5,961346E+20	2,433649E+21
-168	5,361888E+21	8,595925E+21	1,096293E+22	1,096268E+22	8,595406E+21	5,361503E+21	2,433539E+21	5,961469E+20	3,562306E+19	3,563988E+19	5,963226E+20	2,433855E+21
-167	5,361816E+21	8,595424E+21	1,096206E+22	1,096202E+22	8,595365E+21	5,361801E+21	2,433885E+21	5,963663E+20	3,566060E+19	3,565229E+19	5,962531E+20	2,433585E+21
-166	5,361320E+21	8,594979E+21	1,096204E+22	1,096222E+22	8,595463E+21	5,361765E+21	2,433833E+21	5,963856E+20	3,568106E+19	3,568472E+19	5,964158E+20	2,433908E+21
-165	5,361776E+21	8,595209E+21	1,096172E+22	1,096152E+22	8,594827E+21	5,361416E+21	2,433715E+21	5,963642E+20	3,568807E+19	3,569817E+19	5,964825E+20	2,433915E+21
-164	5,361550E+21	8,594673E+21	1,096108E+22	1,096136E+22	8,595100E+21	5,361792E+21	2,434026E+21	5,965297E+20	3,570657E+19	3,569497E+19	5,963788E+20	2,433723E+21
-163	5,361451E+21	8,594928E+21	1,096152E+22	1,096151E+22	8,594943E+21	5,361496E+21	2,433764E+21	5,964136E+20	3,570172E+19	3,570863E+19	5,965217E+20	2,434038E+21
-162	5,361869E+21	8,595219E+21	1,096149E+22	1,096112E+22	8,594638E+21	5,361477E+21	2,433837E+21	5,964274E+20	3,569393E+19	3,569510E+19	5,964211E+20	2,433775E+21
-161	5,361397E+21	8,594732E+21	1,096157E+22	1,096187E+22	8,595301E+21	5,361799E+21	2,433973E+21	5,964800E+20	3,569235E+19	3,567824E+19	5,963314E+20	2,433711E+21
-160	5,361630E+21	8,595356E+21	1,096210E+22	1,096202E+22	8,595136E+21	5,361435E+21	2,433597E+21	5,962626E+20	3,566161E+19	3,567415E+19	5,964277E+20	2,433959E+21
-159	5,361833E+21	8,595328E+21	1,096189E+22	1,096181E+22	8,595267E+21	5,361753E+21	2,433808E+21	5,962973E+20	3,564201E+19	3,563644E+19	5,962116E+20	2,433599E+21
-158	5,361435E+21	8,595143E+21	1,096238E+22	1,096264E+22	8,595759E+21	5,361914E+21	2,433796E+21	5,962504E+20	3,563048E+19	3,562359E+19	5,962006E+20	2,433744E+21
-157	5,361949E+21	8,595846E+21	1,096281E+22	1,096264E+22	8,595427E+21	5,361544E+21	2,433534E+21	5,960948E+20	3,560013E+19	3,561255E+19	5,962126E+20	2,433743E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-156	5,361810E+21	8,595608E+21	1,096258E+22	1,096271E+22	8,595811E+21	5,361951E+21	2,433814E+21	5,962111E+20	3,560247E+19	3,558601E+19	5,960381E+20	2,433458E+21
-155	5,361536E+21	8,595662E+21	1,096308E+22	1,096314E+22	8,595916E+21	5,361812E+21	2,433617E+21	5,961186E+20	3,560018E+19	3,560390E+19	5,961754E+20	2,433775E+21
-154	5,361992E+21	8,595962E+21	1,096301E+22	1,096270E+22	8,595488E+21	5,361647E+21	2,433585E+21	5,960972E+20	3,559487E+19	3,560250E+19	5,961654E+20	2,433663E+21
-153	5,361638E+21	8,595344E+21	1,096255E+22	1,096290E+22	8,595922E+21	5,361983E+21	2,433835E+21	5,962530E+20	3,562122E+19	3,560892E+19	5,961190E+20	2,433573E+21
-152	5,361719E+21	8,595731E+21	1,096274E+22	1,096268E+22	8,595566E+21	5,361584E+21	2,433538E+21	5,961430E+20	3,562207E+19	3,564020E+19	5,963263E+20	2,433921E+21
-151	5,361983E+21	8,595666E+21	1,096225E+22	1,096190E+22	8,595164E+21	5,361656E+21	2,433753E+21	5,962802E+20	3,564622E+19	3,564559E+19	5,962636E+20	2,433652E+21
-150	5,361415E+21	8,594956E+21	1,096198E+22	1,096218E+22	8,595439E+21	5,361847E+21	2,433940E+21	5,964317E+20	3,568336E+19	3,567871E+19	5,963481E+20	2,433755E+21
-149	5,361657E+21	8,595235E+21	1,096188E+22	1,096174E+22	8,594877E+21	5,361347E+21	2,433676E+21	5,963761E+20	3,569666E+19	3,571148E+19	5,965406E+20	2,433972E+21
-148	5,361582E+21	8,594702E+21	1,096094E+22	1,096100E+22	8,594814E+21	5,361659E+21	2,434015E+21	5,965830E+20	3,573127E+19	3,572241E+19	5,964753E+20	2,433748E+21
-147	5,361178E+21	8,594294E+21	1,096078E+22	1,096099E+22	8,594790E+21	5,361590E+21	2,433958E+21	5,965964E+20	3,575037E+19	3,575389E+19	5,966302E+20	2,434056E+21
-146	5,361685E+21	8,594717E+21	1,096069E+22	1,096035E+22	8,594119E+21	5,361236E+21	2,433847E+21	5,965696E+20	3,575497E+19	3,576547E+19	5,966878E+20	2,434041E+21
-145	5,361423E+21	8,594185E+21	1,096020E+22	1,096041E+22	8,594500E+21	5,361602E+21	2,434137E+21	5,967291E+20	3,577135E+19	3,575898E+19	5,965656E+20	2,433805E+21
-144	5,361308E+21	8,594511E+21	1,096074E+22	1,096066E+22	8,594396E+21	5,361294E+21	2,433841E+21	5,965924E+20	3,576206E+19	3,576922E+19	5,967050E+20	2,434128E+21
-143	5,361687E+21	8,594710E+21	1,096070E+22	1,096037E+22	8,594181E+21	5,361307E+21	2,433897E+21	5,965839E+20	3,574788E+19	3,574994E+19	5,965882E+20	2,433860E+21
-142	5,361205E+21	8,594141E+21	1,096065E+22	1,096106E+22	8,594885E+21	5,361709E+21	2,434075E+21	5,966365E+20	3,574417E+19	3,573064E+19	5,964948E+20	2,433808E+21
-141	5,361476E+21	8,594812E+21	1,096124E+22	1,096124E+22	8,594721E+21	5,361346E+21	2,433715E+21	5,964270E+20	3,571329E+19	3,572441E+19	5,965755E+20	2,434032E+21
-140	5,361683E+21	8,594848E+21	1,096108E+22	1,096103E+22	8,594822E+21	5,361652E+21	2,433925E+21	5,964627E+20	3,569330E+19	3,568586E+19	5,963623E+20	2,433688E+21
-139	5,361305E+21	8,594661E+21	1,096146E+22	1,096169E+22	8,595201E+21	5,361768E+21	2,433912E+21	5,964316E+20	3,568741E+19	3,567872E+19	5,963640E+20	2,433819E+21
-138	5,361790E+21	8,595396E+21	1,096201E+22	1,096174E+22	8,594848E+21	5,361379E+21	2,433652E+21	5,962855E+20	3,566169E+19	3,567397E+19	5,964032E+20	2,433847E+21
-137	5,361617E+21	8,595022E+21	1,096167E+22	1,096188E+22	8,595313E+21	5,361772E+21	2,433901E+21	5,964005E+20	3,566711E+19	3,565158E+19	5,962417E+20	2,433582E+21
-136	5,361401E+21	8,595140E+21	1,096210E+22	1,096216E+22	8,595358E+21	5,361625E+21	2,433687E+21	5,962936E+20	3,566233E+19	3,566979E+19	5,963882E+20	2,433935E+21
-135	5,361900E+21	8,595459E+21	1,096205E+22	1,096170E+22	8,594884E+21	5,361446E+21	2,433657E+21	5,962694E+20	3,565516E+19	3,566515E+19	5,963612E+20	2,433793E+21
-134	5,361525E+21	8,594816E+21	1,096155E+22	1,096187E+22	8,595327E+21	5,361835E+21	2,433965E+21	5,964496E+20	3,568483E+19	3,567343E+19	5,963143E+20	2,433673E+21
-133	5,361549E+21	8,595194E+21	1,096185E+22	1,096178E+22	8,595014E+21	5,361442E+21	2,433689E+21	5,963647E+20	3,569124E+19	3,570658E+19	5,965171E+20	2,433988E+21
-132	5,361735E+21	8,595041E+21	1,096130E+22	1,096102E+22	8,594637E+21	5,361509E+21	2,433896E+21	5,965063E+20	3,571776E+19	3,571513E+19	5,964758E+20	2,433760E+21
-131	5,361170E+21	8,594203E+21	1,096073E+22	1,096105E+22	8,594844E+21	5,361695E+21	2,434080E+21	5,966602E+20	3,575727E+19	3,575199E+19	5,965750E+20	2,433889E+21
-130	5,361457E+21	8,594559E+21	1,096070E+22	1,096054E+22	8,594208E+21	5,361195E+21	2,433822E+21	5,965981E+20	3,576994E+19	3,578568E+19	5,967757E+20	2,434136E+21
-129	5,361428E+21	8,594039E+21	1,095978E+22	1,095985E+22	8,594150E+21	5,361462E+21	2,434136E+21	5,967960E+20	3,580170E+19	3,579352E+19	5,966918E+20	2,433888E+21
-128	5,361091E+21	8,593831E+21	1,095977E+22	1,095988E+22	8,594106E+21	5,361366E+21	2,434052E+21	5,967910E+20	3,581556E+19	3,581990E+19	5,968338E+20	2,434184E+21
-127	5,361580E+21	8,594302E+21	1,095987E+22	1,095941E+22	8,593483E+21	5,361004E+21	2,433925E+21	5,967524E+20	3,581594E+19	3,582618E+19	5,968675E+20	2,434124E+21
-126	5,361237E+21	8,593660E+21	1,095935E+22	1,095958E+22	8,593997E+21	5,361444E+21	2,434246E+21	5,969163E+20	3,583200E+19	3,581888E+19	5,967462E+20	2,433887E+21
-125	5,361089E+21	8,593925E+21	1,095991E+22	1,095996E+22	8,594022E+21	5,361194E+21	2,433956E+21	5,967776E+20	3,582187E+19	3,582687E+19	5,968759E+20	2,434210E+21
-124	5,361479E+21	8,594112E+21	1,095980E+22	1,095960E+22	8,593793E+21	5,361226E+21	2,434008E+21	5,967524E+20	3,580280E+19	3,580468E+19	5,967596E+20	2,433975E+21
-123	5,361066E+21	8,593563E+21	1,095958E+22	1,096005E+22	8,594359E+21	5,361595E+21	2,434195E+21	5,968090E+20	3,579940E+19	3,578508E+19	5,966603E+20	2,433908E+21
-122	5,361357E+21	8,594373E+21	1,096036E+22	1,096026E+22	8,594138E+21	5,361210E+21	2,433839E+21	5,966042E+20	3,576969E+19	3,578039E+19	5,967429E+20	2,434118E+21
-121	5,361524E+21	8,594370E+21	1,096027E+22	1,096019E+22	8,594278E+21	5,361468E+21	2,434022E+21	5,966418E+20	3,575131E+19	3,574304E+19	5,965307E+20	2,433764E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-120	5,361164E+21	8,594246E+21	1,096067E+22	1,096086E+22	8,594654E+21	5,361555E+21	2,433976E+21	5,965986E+20	3,574455E+19	3,573761E+19	5,965497E+20	2,433932E+21
-119	5,361638E+21	8,594913E+21	1,096118E+22	1,096092E+22	8,594348E+21	5,361184E+21	2,433701E+21	5,964398E+20	3,571628E+19	3,573087E+19	5,965851E+20	2,433970E+21
-118	5,361477E+21	8,594478E+21	1,096073E+22	1,096099E+22	8,594834E+21	5,361645E+21	2,433994E+21	5,965632E+20	3,572304E+19	3,571015E+19	5,964296E+20	2,433715E+21
-117	5,361285E+21	8,594623E+21	1,096121E+22	1,096133E+22	8,594882E+21	5,361504E+21	2,433809E+21	5,964772E+20	3,572139E+19	3,572836E+19	5,965620E+20	2,434031E+21
-116	5,361756E+21	8,594965E+21	1,096117E+22	1,096084E+22	8,594388E+21	5,361325E+21	2,433790E+21	5,964654E+20	3,571734E+19	3,572618E+19	5,965462E+20	2,433892E+21
-115	5,361352E+21	8,594254E+21	1,096050E+22	1,096080E+22	8,594708E+21	5,361684E+21	2,434120E+21	5,966745E+20	3,575490E+19	3,574161E+19	5,965169E+20	2,433762E+21
-114	5,361312E+21	8,594579E+21	1,096083E+22	1,096073E+22	8,594385E+21	5,361284E+21	2,433850E+21	5,966045E+20	3,576741E+19	3,578124E+19	5,967438E+20	2,434102E+21
-113	5,361475E+21	8,594295E+21	1,096014E+22	1,095997E+22	8,594050E+21	5,361330E+21	2,434028E+21	5,967401E+20	3,579507E+19	3,579255E+19	5,967146E+20	2,433911E+21
-112	5,361019E+21	8,593578E+21	1,095951E+22	1,095981E+22	8,594135E+21	5,361472E+21	2,434180E+21	5,968713E+20	3,582967E+19	3,582694E+19	5,968146E+20	2,434067E+21
-111	5,361347E+21	8,593989E+21	1,095958E+22	1,095936E+22	8,593483E+21	5,360947E+21	2,433909E+21	5,967956E+20	3,583707E+19	3,585390E+19	5,969856E+20	2,434276E+21
-110	5,361312E+21	8,593518E+21	1,095876E+22	1,095879E+22	8,593503E+21	5,361260E+21	2,434245E+21	5,969944E+20	3,586727E+19	3,585962E+19	5,968897E+20	2,433993E+21
-109	5,360923E+21	8,593321E+21	1,095895E+22	1,095905E+22	8,593560E+21	5,361189E+21	2,434177E+21	5,970010E+20	3,588214E+19	3,588292E+19	5,970122E+20	2,434245E+21
-108	5,361344E+21	8,593726E+21	1,095903E+22	1,095868E+22	8,593066E+21	5,360879E+21	2,434045E+21	5,969504E+20	3,587964E+19	3,588820E+19	5,970538E+20	2,434210E+21
-107	5,361000E+21	8,592999E+21	1,095828E+22	1,095864E+22	8,593532E+21	5,361345E+21	2,434374E+21	5,971100E+20	3,589463E+19	3,588060E+19	5,969354E+20	2,433992E+21
-106	5,360888E+21	8,593325E+21	1,095891E+22	1,095897E+22	8,593511E+21	5,361111E+21	2,434095E+21	5,969641E+20	3,588227E+19	3,588733E+19	5,970612E+20	2,434325E+21
-105	5,361320E+21	8,593528E+21	1,095880E+22	1,095867E+22	8,593288E+21	5,361089E+21	2,434119E+21	5,969263E+20	3,585929E+19	3,586194E+19	5,969324E+20	2,434085E+21
-104	5,360999E+21	8,593179E+21	1,095868E+22	1,095905E+22	8,593756E+21	5,361397E+21	2,434270E+21	5,969665E+20	3,585233E+19	3,583956E+19	5,968318E+20	2,434022E+21
-103	5,361261E+21	8,593999E+21	1,095963E+22	1,095942E+22	8,593559E+21	5,360979E+21	2,433896E+21	5,967566E+20	3,582061E+19	3,583217E+19	5,969021E+20	2,434209E+21
-102	5,361377E+21	8,593914E+21	1,095951E+22	1,095944E+22	8,593802E+21	5,361284E+21	2,434092E+21	5,968000E+20	3,580500E+19	3,579789E+19	5,967048E+20	2,433872E+21
-101	5,361002E+21	8,593740E+21	1,095991E+22	1,096018E+22	8,594251E+21	5,361418E+21	2,434064E+21	5,967671E+20	3,580073E+19	3,579328E+19	5,967202E+20	2,434039E+21
-100	5,361494E+21	8,594402E+21	1,096033E+22	1,096015E+22	8,593940E+21	5,361083E+21	2,433805E+21	5,966069E+20	3,577182E+19	3,578703E+19	5,967617E+20	2,434091E+21
-99	5,361358E+21	8,593955E+21	1,095970E+22	1,095997E+22	8,594288E+21	5,361525E+21	2,434128E+21	5,967539E+20	3,578388E+19	3,577030E+19	5,966097E+20	2,433815E+21
-98	5,361140E+21	8,594151E+21	1,096030E+22	1,096032E+22	8,594303E+21	5,361385E+21	2,433967E+21	5,966915E+20	3,578837E+19	3,579375E+19	5,967501E+20	2,434106E+21
-97	5,361532E+21	8,594371E+21	1,096021E+22	1,095990E+22	8,593825E+21	5,361152E+21	2,433932E+21	5,966920E+20	3,578948E+19	3,579625E+19	5,967489E+20	2,433976E+21
-96	5,361141E+21	8,593659E+21	1,095943E+22	1,095974E+22	8,594085E+21	5,361474E+21	2,434230E+21	5,968914E+20	3,582709E+19	3,581484E+19	5,967459E+20	2,433899E+21
-95	5,361097E+21	8,593905E+21	1,095972E+22	1,095965E+22	8,593753E+21	5,361059E+21	2,433938E+21	5,968068E+20	3,583639E+19	3,585183E+19	5,969669E+20	2,434251E+21
-94	5,361294E+21	8,593610E+21	1,095896E+22	1,095883E+22	8,593408E+21	5,361140E+21	2,434139E+21	5,969419E+20	3,586336E+19	3,586320E+19	5,969395E+20	2,434072E+21
-93	5,360882E+21	8,592987E+21	1,095848E+22	1,095878E+22	8,593518E+21	5,361283E+21	2,434301E+21	5,970797E+20	3,589734E+19	3,589369E+19	5,970143E+20	2,434188E+21
-92	5,361212E+21	8,593477E+21	1,095864E+22	1,095838E+22	8,592913E+21	5,360786E+21	2,434035E+21	5,970025E+20	3,590389E+19	3,591955E+19	5,971827E+20	2,434380E+21
-91	5,361136E+21	8,592963E+21	1,095775E+22	1,095774E+22	8,592893E+21	5,361095E+21	2,434387E+21	5,972148E+20	3,593718E+19	3,592778E+19	5,970913E+20	2,434087E+21
-90	5,360704E+21	8,592734E+21	1,095800E+22	1,095811E+22	8,593033E+21	5,361054E+21	2,434320E+21	5,972237E+20	3,595394E+19	3,595284E+19	5,972203E+20	2,434348E+21
-89	5,361102E+21	8,593027E+21	1,095797E+22	1,095777E+22	8,592605E+21	5,360751E+21	2,434165E+21	5,971539E+20	3,594731E+19	3,595617E+19	5,972595E+20	2,434341E+21
-88	5,360876E+21	8,592449E+21	1,095721E+22	1,095755E+22	8,592939E+21	5,361175E+21	2,434464E+21	5,972830E+20	3,595397E+19	3,594264E+19	5,971353E+20	2,434144E+21
-87	5,360794E+21	8,592839E+21	1,095797E+22	1,095797E+22	8,592897E+21	5,360900E+21	2,434168E+21	5,971200E+20	3,593473E+19	3,594116E+19	5,972255E+20	2,434428E+21
-86	5,361212E+21	8,593098E+21	1,095798E+22	1,095777E+22	8,592734E+21	5,360910E+21	2,434203E+21	5,970831E+20	3,591063E+19	3,591436E+19	5,970917E+20	2,434170E+21
-85	5,360857E+21	8,592768E+21	1,095804E+22	1,095836E+22	8,593277E+21	5,361219E+21	2,434356E+21	5,971329E+20	3,590552E+19	3,589036E+19	5,969792E+20	2,434085E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-84	5,361084E+21	8,593524E+21	1,095892E+22	1,095879E+22	8,593199E+21	5,360856E+21	2,433983E+21	5,969179E+20	3,587344E+19	3,588455E+19	5,970634E+20	2,434298E+21
-83	5,361202E+21	8,593366E+21	1,095860E+22	1,095859E+22	8,593368E+21	5,361180E+21	2,434198E+21	5,969706E+20	3,586114E+19	3,585364E+19	5,968777E+20	2,433982E+21
-82	5,360856E+21	8,593226E+21	1,095902E+22	1,095927E+22	8,593780E+21	5,361329E+21	2,434195E+21	5,969530E+20	3,586050E+19	3,585219E+19	5,968948E+20	2,434137E+21
-81	5,361335E+21	8,593850E+21	1,095939E+22	1,095926E+22	8,593475E+21	5,360965E+21	2,433934E+21	5,967999E+20	3,583354E+19	3,584775E+19	5,969374E+20	2,434186E+21
-80	5,361254E+21	8,593526E+21	1,095877E+22	1,095891E+22	8,593665E+21	5,361337E+21	2,434237E+21	5,969477E+20	3,584745E+19	3,583459E+19	5,968067E+20	2,433923E+21
-79	5,360959E+21	8,593610E+21	1,095939E+22	1,095935E+22	8,593675E+21	5,361156E+21	2,434068E+21	5,968919E+20	3,585351E+19	3,585917E+19	5,969474E+20	2,434200E+21
-78	5,361300E+21	8,593719E+21	1,095919E+22	1,095894E+22	8,593276E+21	5,360963E+21	2,434034E+21	5,968975E+20	3,585848E+19	3,586708E+19	5,969746E+20	2,434119E+21
-77	5,360935E+21	8,592985E+21	1,095839E+22	1,095874E+22	8,593514E+21	5,361290E+21	2,434338E+21	5,971007E+20	3,589724E+19	3,588564E+19	5,969664E+20	2,434053E+21
-76	5,360949E+21	8,593260E+21	1,095860E+22	1,095857E+22	8,593169E+21	5,360900E+21	2,434057E+21	5,970106E+20	3,590462E+19	3,592118E+19	5,971847E+20	2,434405E+21
-75	5,361172E+21	8,593012E+21	1,095779E+22	1,095760E+22	8,592710E+21	5,360951E+21	2,434274E+21	5,971615E+20	3,593459E+19	3,593392E+19	5,971517E+20	2,434197E+21
-74	5,360737E+21	8,592469E+21	1,095749E+22	1,095767E+22	8,592862E+21	5,361110E+21	2,434449E+21	5,973134E+20	3,597183E+19	3,596584E+19	5,972213E+20	2,434276E+21
-73	5,360986E+21	8,592861E+21	1,095766E+22	1,095744E+22	8,592371E+21	5,360619E+21	2,434175E+21	5,972348E+20	3,597879E+19	3,599223E+19	5,973918E+20	2,434475E+21
-72	5,360945E+21	8,592377E+21	1,095671E+22	1,095671E+22	8,592318E+21	5,360911E+21	2,434491E+21	5,974205E+20	3,600657E+19	3,599894E+19	5,973145E+20	2,434225E+21
-71	5,360512E+21	8,592097E+21	1,095698E+22	1,095712E+22	8,592477E+21	5,360875E+21	2,434413E+21	5,974056E+20	3,601554E+19	3,601602E+19	5,974172E+20	2,434475E+21
-70	5,360943E+21	8,592421E+21	1,095694E+22	1,095678E+22	8,592077E+21	5,360607E+21	2,434266E+21	5,973233E+20	3,600406E+19	3,601556E+19	5,974474E+20	2,434470E+21
-69	5,360752E+21	8,591957E+21	1,095637E+22	1,095666E+22	8,592407E+21	5,361016E+21	2,434562E+21	5,974497E+20	3,600749E+19	3,599511E+19	5,972923E+20	2,434238E+21
-68	5,360683E+21	8,592413E+21	1,095721E+22	1,095715E+22	8,592414E+21	5,360764E+21	2,434267E+21	5,972827E+20	3,598672E+19	3,599191E+19	5,973761E+20	2,434498E+21
-67	5,361049E+21	8,592621E+21	1,095716E+22	1,095691E+22	8,592216E+21	5,360757E+21	2,434314E+21	5,972632E+20	3,596702E+19	3,596850E+19	5,972532E+20	2,434249E+21
-66	5,360681E+21	8,592280E+21	1,095727E+22	1,095760E+22	8,592853E+21	5,361096E+21	2,434462E+21	5,973200E+20	3,596623E+19	3,594890E+19	5,971538E+20	2,434178E+21
-65	5,360901E+21	8,592940E+21	1,095802E+22	1,095799E+22	8,592807E+21	5,360753E+21	2,434090E+21	5,970996E+20	3,593361E+19	3,594436E+19	5,972423E+20	2,434417E+21
-64	5,361119E+21	8,592897E+21	1,095765E+22	1,095759E+22	8,592816E+21	5,361020E+21	2,434283E+21	5,971358E+20	3,591821E+19	3,591297E+19	5,970658E+20	2,434119E+21
-63	5,360770E+21	8,592777E+21	1,095816E+22	1,095833E+22	8,593199E+21	5,361126E+21	2,434275E+21	5,971171E+20	3,591553E+19	3,590875E+19	5,970624E+20	2,434222E+21
-62	5,361184E+21	8,593363E+21	1,095854E+22	1,095835E+22	8,592929E+21	5,360794E+21	2,434032E+21	5,969794E+20	3,589268E+19	3,590807E+19	5,971189E+20	2,434267E+21
-61	5,361045E+21	8,592991E+21	1,095799E+22	1,095810E+22	8,593138E+21	5,361159E+21	2,434344E+21	5,971434E+20	3,591098E+19	3,589706E+19	5,969943E+20	2,434014E+21
-60	5,360745E+21	8,592976E+21	1,095843E+22	1,095847E+22	8,593210E+21	5,361022E+21	2,434177E+21	5,970868E+20	3,591822E+19	3,592470E+19	5,971517E+20	2,434316E+21
-59	5,361088E+21	8,593017E+21	1,095802E+22	1,095781E+22	8,592684E+21	5,360823E+21	2,434168E+21	5,971086E+20	3,592764E+19	3,593657E+19	5,971939E+20	2,434272E+21
-58	5,360792E+21	8,592367E+21	1,095727E+22	1,095759E+22	8,592886E+21	5,361132E+21	2,434474E+21	5,973228E+20	3,596964E+19	3,595764E+19	5,971827E+20	2,434189E+21
-57	5,360805E+21	8,592648E+21	1,095749E+22	1,095746E+22	8,592554E+21	5,360729E+21	2,434196E+21	5,972371E+20	3,597781E+19	3,599308E+19	5,973952E+20	2,434530E+21
-56	5,361074E+21	8,592529E+21	1,095677E+22	1,095643E+22	8,591987E+21	5,360721E+21	2,434388E+21	5,973791E+20	3,600701E+19	3,600726E+19	5,973758E+20	2,434326E+21
-55	5,360565E+21	8,591916E+21	1,095657E+22	1,095668E+22	8,592209E+21	5,360863E+21	2,434551E+21	5,975260E+20	3,604218E+19	3,603645E+19	5,974333E+20	2,434379E+21
-54	5,360755E+21	8,592204E+21	1,095664E+22	1,095649E+22	8,591860E+21	5,360459E+21	2,434285E+21	5,974429E+20	3,604888E+19	3,606383E+19	5,976155E+20	2,434609E+21
-53	5,360736E+21	8,591729E+21	1,095574E+22	1,095576E+22	8,591797E+21	5,360771E+21	2,434604E+21	5,976162E+20	3,607168E+19	3,606450E+19	5,975180E+20	2,434364E+21
-52	5,360374E+21	8,591487E+21	1,095594E+22	1,095614E+22	8,591965E+21	5,360757E+21	2,434530E+21	5,975861E+20	3,607488E+19	3,607553E+19	5,975989E+20	2,434581E+21
-51	5,360800E+21	8,591871E+21	1,095591E+22	1,095571E+22	8,591475E+21	5,360461E+21	2,434396E+21	5,975140E+20	3,606375E+19	3,607362E+19	5,976186E+20	2,434561E+21
-50	5,360610E+21	8,591493E+21	1,095553E+22	1,095573E+22	8,591842E+21	5,360860E+21	2,434685E+21	5,976479E+20	3,606963E+19	3,605347E+19	5,974562E+20	2,434296E+21
-49	5,360478E+21	8,591863E+21	1,095637E+22	1,095637E+22	8,591965E+21	5,360625E+21	2,434382E+21	5,974768E+20	3,604863E+19	3,605090E+19	5,975454E+20	2,434579E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-48	5,360906E+21	8,592128E+21	1,095629E+22	1,095603E+22	8,591708E+21	5,360581E+21	2,434383E+21	5,974295E+20	3,602486E+19	3,602796E+19	5,974431E+20	2,434378E+21
-47	5,360547E+21	8,591764E+21	1,095641E+22	1,095675E+22	8,592345E+21	5,360918E+21	2,434526E+21	5,974698E+20	3,601877E+19	3,600372E+19	5,973256E+20	2,434294E+21
-46	5,360787E+21	8,592440E+21	1,095714E+22	1,095714E+22	8,592355E+21	5,360630E+21	2,434173E+21	5,972500E+20	3,598505E+19	3,599901E+19	5,974139E+20	2,434528E+21
-45	5,361011E+21	8,592480E+21	1,095693E+22	1,095678E+22	8,592320E+21	5,360874E+21	2,434371E+21	5,972944E+20	3,597052E+19	3,596542E+19	5,972242E+20	2,434209E+21
-44	5,360652E+21	8,592332E+21	1,095739E+22	1,095752E+22	8,592723E+21	5,361001E+21	2,434383E+21	5,972875E+20	3,597067E+19	3,596397E+19	5,972256E+20	2,434279E+21
-43	5,360966E+21	8,592790E+21	1,095763E+22	1,095744E+22	8,592388E+21	5,360646E+21	2,434162E+21	5,971818E+20	3,595669E+19	3,597061E+19	5,973085E+20	2,434362E+21
-42	5,360831E+21	8,592364E+21	1,095701E+22	1,095715E+22	8,592620E+21	5,361020E+21	2,434470E+21	5,973612E+20	3,598213E+19	3,596675E+19	5,972057E+20	2,434137E+21
-41	5,360547E+21	8,592277E+21	1,095728E+22	1,095742E+22	8,592671E+21	5,360896E+21	2,434314E+21	5,973053E+20	3,599002E+19	3,599630E+19	5,973697E+20	2,434470E+21
-40	5,361005E+21	8,592454E+21	1,095686E+22	1,095656E+22	8,591957E+21	5,360604E+21	2,434274E+21	5,973157E+20	3,599821E+19	3,600907E+19	5,974230E+20	2,434438E+21
-39	5,360702E+21	8,591857E+21	1,095627E+22	1,095647E+22	8,592154E+21	5,360871E+21	2,434569E+21	5,975262E+20	3,603797E+19	3,602729E+19	5,973904E+20	2,434301E+21
-38	5,360646E+21	8,592106E+21	1,095653E+22	1,095645E+22	8,591929E+21	5,360527E+21	2,434311E+21	5,974524E+20	3,604900E+19	3,606484E+19	5,976108E+20	2,434630E+21
-37	5,360843E+21	8,591943E+21	1,095592E+22	1,095556E+22	8,591431E+21	5,360534E+21	2,434502E+21	5,975953E+20	3,607829E+19	3,607798E+19	5,975887E+20	2,434435E+21
-36	5,360348E+21	8,591250E+21	1,095555E+22	1,095578E+22	8,591748E+21	5,360750E+21	2,434673E+21	5,977294E+20	3,611006E+19	3,610480E+19	5,976426E+20	2,434482E+21
-35	5,360516E+21	8,591479E+21	1,095547E+22	1,095540E+22	8,591300E+21	5,360359E+21	2,434440E+21	5,976560E+20	3,611704E+19	3,613091E+19	5,978207E+20	2,434737E+21
-34	5,360570E+21	8,591101E+21	1,095465E+22	1,095470E+22	8,591236E+21	5,360654E+21	2,434750E+21	5,978279E+20	3,613875E+19	3,612964E+19	5,977098E+20	2,434473E+21
-33	5,360225E+21	8,590902E+21	1,095489E+22	1,095511E+22	8,591403E+21	5,360623E+21	2,434668E+21	5,977910E+20	3,613953E+19	3,613734E+19	5,977772E+20	2,434678E+21
-32	5,360692E+21	8,591405E+21	1,095497E+22	1,095465E+22	8,590805E+21	5,360244E+21	2,434491E+21	5,977006E+20	3,612527E+19	3,613526E+19	5,978088E+20	2,434675E+21
-31	5,360470E+21	8,591021E+21	1,095474E+22	1,095491E+22	8,591258E+21	5,360606E+21	2,434740E+21	5,978143E+20	3,612687E+19	3,611180E+19	5,976366E+20	2,434402E+21
-30	5,360320E+21	8,591338E+21	1,095552E+22	1,095557E+22	8,591516E+21	5,360468E+21	2,434448E+21	5,976365E+20	3,610486E+19	3,610992E+19	5,977347E+20	2,434709E+21
-29	5,360771E+21	8,591653E+21	1,095555E+22	1,095527E+22	8,591254E+21	5,360444E+21	2,434454E+21	5,975768E+20	3,607645E+19	3,608133E+19	5,976124E+20	2,434506E+21
-28	5,360481E+21	8,591341E+21	1,095562E+22	1,095595E+22	8,591906E+21	5,360809E+21	2,434613E+21	5,976127E+20	3,606763E+19	3,605381E+19	5,974751E+20	2,434363E+21
-27	5,360645E+21	8,591987E+21	1,095629E+22	1,095624E+22	8,591842E+21	5,360521E+21	2,434300E+21	5,974240E+20	3,603925E+19	3,605153E+19	5,975632E+20	2,434584E+21
-26	5,360836E+21	8,592013E+21	1,095614E+22	1,095597E+22	8,591836E+21	5,360752E+21	2,434502E+21	5,974922E+20	3,603246E+19	3,602390E+19	5,973887E+20	2,434259E+21
-25	5,360417E+21	8,591712E+21	1,095644E+22	1,095670E+22	8,592279E+21	5,360889E+21	2,434520E+21	5,974959E+20	3,603662E+19	3,602771E+19	5,974130E+20	2,434372E+21
-24	5,360780E+21	8,592170E+21	1,095657E+22	1,095640E+22	8,591800E+21	5,360472E+21	2,434265E+21	5,973787E+20	3,602332E+19	3,603890E+19	5,975289E+20	2,434519E+21
-23	5,360687E+21	8,591759E+21	1,095597E+22	1,095610E+22	8,591960E+21	5,360791E+21	2,434555E+21	5,975479E+20	3,604669E+19	3,603408E+19	5,974186E+20	2,434286E+21
-22	5,360429E+21	8,591708E+21	1,095622E+22	1,095634E+22	8,592041E+21	5,360708E+21	2,434419E+21	5,975010E+20	3,605614E+19	3,606523E+19	5,975854E+20	2,434610E+21
-21	5,360880E+21	8,591979E+21	1,095598E+22	1,095556E+22	8,591315E+21	5,360399E+21	2,434376E+21	5,975168E+20	3,606545E+19	3,607640E+19	5,976274E+20	2,434558E+21
-20	5,360566E+21	8,591349E+21	1,095536E+22	1,095552E+22	8,591579E+21	5,360702E+21	2,434688E+21	5,977328E+20	3,610645E+19	3,609584E+19	5,975928E+20	2,434379E+21
-19	5,360394E+21	8,591449E+21	1,095550E+22	1,095546E+22	8,591366E+21	5,360386E+21	2,434466E+21	5,976882E+20	3,612418E+19	3,613786E+19	5,978303E+20	2,434743E+21
-18	5,360606E+21	8,591230E+21	1,095480E+22	1,095455E+22	8,590916E+21	5,360417E+21	2,434655E+21	5,978356E+20	3,615643E+19	3,615431E+19	5,978171E+20	2,434565E+21
-17	5,360135E+21	8,590491E+21	1,095429E+22	1,095466E+22	8,591206E+21	5,360653E+21	2,434837E+21	5,979585E+20	3,618395E+19	3,617747E+19	5,978626E+20	2,434630E+21
-16	5,360397E+21	8,590871E+21	1,095428E+22	1,095414E+22	8,590567E+21	5,360151E+21	2,434557E+21	5,978619E+20	3,618562E+19	3,620046E+19	5,980367E+20	2,434884E+21
-15	5,360457E+21	8,590589E+21	1,095366E+22	1,095360E+22	8,590490E+21	5,360383E+21	2,434835E+21	5,980138E+20	3,620097E+19	3,619287E+19	5,978986E+20	2,434574E+21
-14	5,360073E+21	8,590408E+21	1,095399E+22	1,095417E+22	8,590801E+21	5,360416E+21	2,434756E+21	5,979733E+20	3,620059E+19	3,619908E+19	5,979653E+20	2,434772E+21
-13	5,360507E+21	8,590935E+21	1,095425E+22	1,095390E+22	8,590310E+21	5,360053E+21	2,434558E+21	5,978674E+20	3,618218E+19	3,619256E+19	5,979864E+20	2,434785E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-12	5,360333E+21	8,590534E+21	1,095393E+22	1,095417E+22	8,590870E+21	5,360489E+21	2,434810E+21	5,979601E+20	3,617846E+19	3,616486E+19	5,978003E+20	2,434491E+21
-11	5,360157E+21	8,590812E+21	1,095463E+22	1,095474E+22	8,591077E+21	5,360386E+21	2,434568E+21	5,978007E+20	3,615767E+19	3,616197E+19	5,978917E+20	2,434807E+21
-10	5,360649E+21	8,591181E+21	1,095471E+22	1,095449E+22	8,590840E+21	5,360358E+21	2,434575E+21	5,977499E+20	3,613124E+19	3,613390E+19	5,977615E+20	2,434573E+21
-9	5,360336E+21	8,590865E+21	1,095475E+22	1,095512E+22	8,591469E+21	5,360733E+21	2,434753E+21	5,977957E+20	3,612428E+19	3,610760E+19	5,976276E+20	2,434426E+21
-8	5,360485E+21	8,591515E+21	1,095543E+22	1,095531E+22	8,591250E+21	5,360343E+21	2,434410E+21	5,976093E+20	3,609904E+19	3,611093E+19	5,977434E+20	2,434673E+21
-7	5,360643E+21	8,591473E+21	1,095529E+22	1,095513E+22	8,591259E+21	5,360522E+21	2,434582E+21	5,976737E+20	3,609379E+19	3,608650E+19	5,975851E+20	2,434376E+21
-6	5,360238E+21	8,591105E+21	1,095542E+22	1,095575E+22	8,591755E+21	5,360728E+21	2,434611E+21	5,976810E+20	3,610059E+19	3,609509E+19	5,976313E+20	2,434528E+21
-5	5,360637E+21	8,591624E+21	1,095562E+22	1,095542E+22	8,591212E+21	5,360288E+21	2,434352E+21	5,975592E+20	3,608582E+19	3,610370E+19	5,977380E+20	2,434688E+21
-4	5,360629E+21	8,591289E+21	1,095500E+22	1,095510E+22	8,591366E+21	5,360605E+21	2,434643E+21	5,977248E+20	3,610841E+19	3,609781E+19	5,976109E+20	2,434391E+21
-3	5,360279E+21	8,591192E+21	1,095523E+22	1,095528E+22	8,591399E+21	5,360538E+21	2,434561E+21	5,977177E+20	3,612479E+19	3,613188E+19	5,977788E+20	2,434698E+21
-2	5,360677E+21	8,591410E+21	1,095503E+22	1,095465E+22	8,590776E+21	5,360247E+21	2,434526E+21	5,977547E+20	3,614151E+19	3,614883E+19	5,978332E+20	2,434635E+21
-1	5,360305E+21	8,590657E+21	1,095427E+22	1,095456E+22	8,591085E+21	5,360593E+21	2,434851E+21	5,979739E+20	3,618372E+19	3,617107E+19	5,978162E+20	2,434494E+21
1	5,360162E+21	8,590718E+21	1,095427E+22	1,095427E+22	8,590724E+21	5,360226E+21	2,434606E+21	5,979159E+20	3,619983E+19	3,621416E+19	5,980691E+20	2,434901E+21
2	5,360429E+21	8,590548E+21	1,095362E+22	1,095341E+22	8,590225E+21	5,360201E+21	2,434768E+21	5,980402E+20	3,622559E+19	3,622626E+19	5,980422E+20	2,434721E+21
3	5,360007E+21	8,589887E+21	1,095312E+22	1,095350E+22	8,590542E+21	5,360459E+21	2,434948E+21	5,981570E+20	3,625029E+19	3,624599E+19	5,980764E+20	2,434766E+21
4	5,360256E+21	8,590395E+21	1,095338E+22	1,095311E+22	8,589899E+21	5,359929E+21	2,434650E+21	5,980489E+20	3,624783E+19	3,626270E+19	5,982267E+20	2,435003E+21
5	5,360338E+21	8,590144E+21	1,095285E+22	1,095273E+22	8,589916E+21	5,360174E+21	2,434911E+21	5,981868E+20	3,625983E+19	3,625185E+19	5,980727E+20	2,434644E+21
6	5,359858E+21	8,589861E+21	1,095313E+22	1,095333E+22	8,590298E+21	5,360261E+21	2,434870E+21	5,981661E+20	3,626264E+19	3,625880E+19	5,981451E+20	2,434873E+21
7	5,360324E+21	8,590370E+21	1,095335E+22	1,095313E+22	8,589936E+21	5,359962E+21	2,434674E+21	5,980572E+20	3,624450E+19	3,625279E+19	5,981630E+20	2,434886E+21
8	5,360180E+21	8,589982E+21	1,095298E+22	1,095332E+22	8,590467E+21	5,360430E+21	2,434946E+21	5,981409E+20	3,623667E+19	3,622147E+19	5,979687E+20	2,434600E+21
9	5,360055E+21	8,590343E+21	1,095370E+22	1,095375E+22	8,590508E+21	5,360238E+21	2,434681E+21	5,979745E+20	3,621405E+19	3,621814E+19	5,980585E+20	2,434900E+21
10	5,360518E+21	8,590746E+21	1,095392E+22	1,095364E+22	8,590253E+21	5,360148E+21	2,434663E+21	5,979151E+20	3,618569E+19	3,618917E+19	5,979239E+20	2,434643E+21
11	5,360155E+21	8,590371E+21	1,095391E+22	1,095429E+22	8,590962E+21	5,360564E+21	2,434847E+21	5,979706E+20	3,618243E+19	3,616703E+19	5,978111E+20	2,434513E+21
12	5,360264E+21	8,590990E+21	1,095464E+22	1,095452E+22	8,590764E+21	5,360166E+21	2,434484E+21	5,977776E+20	3,615666E+19	3,617016E+19	5,979327E+20	2,434803E+21
13	5,360500E+21	8,590935E+21	1,095437E+22	1,095426E+22	8,590782E+21	5,360372E+21	2,434654E+21	5,978312E+20	3,615004E+19	3,614528E+19	5,977712E+20	2,434497E+21
14	5,360088E+21	8,590547E+21	1,095442E+22	1,095475E+22	8,591195E+21	5,360588E+21	2,434736E+21	5,978691E+20	3,616142E+19	3,615615E+19	5,978201E+20	2,434663E+21
15	5,360534E+21	8,591122E+21	1,095464E+22	1,095447E+22	8,590688E+21	5,360146E+21	2,434482E+21	5,977656E+20	3,615231E+19	3,616785E+19	5,979233E+20	2,434786E+21
16	5,360482E+21	8,590773E+21	1,095402E+22	1,095411E+22	8,590820E+21	5,360480E+21	2,434796E+21	5,979437E+20	3,617798E+19	3,616513E+19	5,978066E+20	2,434489E+21
17	5,360096E+21	8,590626E+21	1,095424E+22	1,095423E+22	8,590734E+21	5,360327E+21	2,434693E+21	5,979450E+20	3,619877E+19	3,620521E+19	5,979991E+20	2,434811E+21
18	5,360450E+21	8,590752E+21	1,095399E+22	1,095366E+22	8,590143E+21	5,360015E+21	2,434636E+21	5,979761E+20	3,621646E+19	3,622540E+19	5,980694E+20	2,434773E+21
19	5,360090E+21	8,589948E+21	1,095305E+22	1,095343E+22	8,590495E+21	5,360440E+21	2,434979E+21	5,981926E+20	3,625805E+19	3,624867E+19	5,980631E+20	2,434659E+21
20	5,359981E+21	8,590091E+21	1,095317E+22	1,095313E+22	8,590058E+21	5,360032E+21	2,434719E+21	5,981207E+20	3,626914E+19	3,628495E+19	5,982907E+20	2,435062E+21
21	5,360330E+21	8,590017E+21	1,095256E+22	1,095230E+22	8,589566E+21	5,359992E+21	2,434865E+21	5,982299E+20	3,628986E+19	3,629158E+19	5,982352E+20	2,434816E+21
22	5,359832E+21	8,589349E+21	1,095213E+22	1,095242E+22	8,589879E+21	5,360264E+21	2,435081E+21	5,983694E+20	3,631699E+19	3,630980E+19	5,982618E+20	2,434853E+21
23	5,360057E+21	8,589828E+21	1,095246E+22	1,095226E+22	8,589402E+21	5,359767E+21	2,434777E+21	5,982657E+20	3,631706E+19	3,632772E+19	5,984100E+20	2,435077E+21
24	5,360112E+21	8,589537E+21	1,095190E+22	1,095190E+22	8,589502E+21	5,360076E+21	2,435041E+21	5,983883E+20	3,632533E+19	3,631537E+19	5,982632E+20	2,434759E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
25	5,359684E+21	8,589269E+21	1,095214E+22	1,095235E+22	8,589760E+21	5,360118E+21	2,434981E+21	5,983525E+20	3,632485E+19	3,632094E+19	5,983373E+20	2,435005E+21
26	5,360196E+21	8,589842E+21	1,095244E+22	1,095225E+22	8,589400E+21	5,359792E+21	2,434768E+21	5,982221E+20	3,630031E+19	3,631093E+19	5,983406E+20	2,435001E+21
27	5,360074E+21	8,589523E+21	1,095207E+22	1,095240E+22	8,589969E+21	5,360295E+21	2,435043E+21	5,983026E+20	3,629069E+19	3,627750E+19	5,981419E+20	2,434697E+21
28	5,359909E+21	8,589942E+21	1,095298E+22	1,095292E+22	8,589977E+21	5,360068E+21	2,434764E+21	5,981314E+20	3,626597E+19	3,627063E+19	5,982171E+20	2,434988E+21
29	5,360380E+21	8,590321E+21	1,095320E+22	1,095289E+22	8,589780E+21	5,359966E+21	2,434728E+21	5,980662E+20	3,623742E+19	3,624215E+19	5,980840E+20	2,434714E+21
30	5,359951E+21	8,589824E+21	1,095303E+22	1,095344E+22	8,590482E+21	5,360416E+21	2,434951E+21	5,981502E+20	3,624079E+19	3,622471E+19	5,979913E+20	2,434635E+21
31	5,360105E+21	8,590399E+21	1,095367E+22	1,095368E+22	8,590352E+21	5,360060E+21	2,434600E+21	5,979665E+20	3,621876E+19	3,623109E+19	5,981162E+20	2,434929E+21
32	5,360384E+21	8,590408E+21	1,095338E+22	1,095330E+22	8,590279E+21	5,360259E+21	2,434780E+21	5,980207E+20	3,621237E+19	3,620681E+19	5,979581E+20	2,434630E+21
33	5,359992E+21	8,590065E+21	1,095343E+22	1,095364E+22	8,590513E+21	5,360377E+21	2,434850E+21	5,980694E+20	3,622682E+19	3,622110E+19	5,980112E+20	2,434769E+21
34	5,360389E+21	8,590636E+21	1,095376E+22	1,095350E+22	8,590040E+21	5,359917E+21	2,434588E+21	5,979685E+20	3,621971E+19	3,623560E+19	5,981211E+20	2,434873E+21
35	5,360273E+21	8,590195E+21	1,095304E+22	1,095314E+22	8,590257E+21	5,360298E+21	2,434915E+21	5,981600E+20	3,625010E+19	3,623871E+19	5,980309E+20	2,434595E+21
36	5,359839E+21	8,589986E+21	1,095324E+22	1,095326E+22	8,590181E+21	5,360153E+21	2,434805E+21	5,981561E+20	3,626989E+19	3,627759E+19	5,982238E+20	2,434953E+21
37	5,360261E+21	8,590094E+21	1,095290E+22	1,095262E+22	8,589584E+21	5,359854E+21	2,434743E+21	5,981745E+20	3,628483E+19	3,629585E+19	5,982860E+20	2,434901E+21
38	5,359892E+21	8,589274E+21	1,095188E+22	1,095225E+22	8,589852E+21	5,360285E+21	2,435129E+21	5,984127E+20	3,632818E+19	3,631831E+19	5,982757E+20	2,434800E+21
39	5,359828E+21	8,589461E+21	1,095204E+22	1,095205E+22	8,589481E+21	5,359879E+21	2,434867E+21	5,983487E+20	3,634163E+19	3,635387E+19	5,984872E+20	2,435160E+21
40	5,360154E+21	8,589447E+21	1,095153E+22	1,095123E+22	8,588965E+21	5,359840E+21	2,435016E+21	5,984549E+20	3,636121E+19	3,636007E+19	5,984363E+20	2,434925E+21
41	5,359644E+21	8,588761E+21	1,095113E+22	1,095137E+22	8,589204E+21	5,360029E+21	2,435197E+21	5,985910E+20	3,638918E+19	3,638023E+19	5,984744E+20	2,434977E+21
42	5,359868E+21	8,589218E+21	1,095149E+22	1,095133E+22	8,588835E+21	5,359562E+21	2,434871E+21	5,984651E+20	3,638553E+19	3,639783E+19	5,986267E+20	2,435219E+21
43	5,359958E+21	8,588942E+21	1,095087E+22	1,095092E+22	8,589001E+21	5,359941E+21	2,435141E+21	5,985705E+20	3,638875E+19	3,638233E+19	5,984769E+20	2,434910E+21
44	5,359572E+21	8,588803E+21	1,095127E+22	1,095141E+22	8,589211E+21	5,359954E+21	2,435067E+21	5,985142E+20	3,638054E+19	3,637840E+19	5,985146E+20	2,435132E+21
45	5,360127E+21	8,589446E+21	1,095163E+22	1,095138E+22	8,588890E+21	5,359626E+21	2,434839E+21	5,983688E+20	3,635034E+19	3,636207E+19	5,984859E+20	2,435053E+21
46	5,359899E+21	8,589079E+21	1,095131E+22	1,095156E+22	8,589461E+21	5,360153E+21	2,435156E+21	5,984744E+20	3,634418E+19	3,632877E+19	5,982910E+20	2,434759E+21
47	5,359711E+21	8,589398E+21	1,095218E+22	1,095222E+22	8,589602E+21	5,359948E+21	2,434875E+21	5,983153E+20	3,632423E+19	3,632530E+19	5,983701E+20	2,435041E+21
48	5,360158E+21	8,589736E+21	1,095229E+22	1,095209E+22	8,589401E+21	5,359889E+21	2,434848E+21	5,982457E+20	3,629540E+19	3,629876E+19	5,982589E+20	2,434833E+21
49	5,359800E+21	8,589255E+21	1,095206E+22	1,095246E+22	8,589917E+21	5,360249E+21	2,435051E+21	5,983288E+20	3,630027E+19	3,628455E+19	5,981782E+20	2,434775E+21
50	5,360011E+21	8,589894E+21	1,095275E+22	1,095272E+22	8,589758E+21	5,359867E+21	2,434695E+21	5,981413E+20	3,627765E+19	3,629220E+19	5,983027E+20	2,435052E+21
51	5,360289E+21	8,589950E+21	1,095246E+22	1,095231E+22	8,589711E+21	5,360091E+21	2,434881E+21	5,982037E+20	3,627421E+19	3,627059E+19	5,981530E+20	2,434734E+21
52	5,359844E+21	8,589646E+21	1,095266E+22	1,095272E+22	8,589910E+21	5,360170E+21	2,434943E+21	5,982581E+20	3,629004E+19	3,628486E+19	5,982008E+20	2,434865E+21
53	5,360210E+21	8,590112E+21	1,095290E+22	1,095265E+22	8,589522E+21	5,359720E+21	2,434674E+21	5,981616E+20	3,628560E+19	3,630204E+19	5,983177E+20	2,434955E+21
54	5,360016E+21	8,589514E+21	1,095200E+22	1,095215E+22	8,589734E+21	5,360162E+21	2,435053E+21	5,983820E+20	3,632234E+19	3,631078E+19	5,982549E+20	2,434741E+21
55	5,359637E+21	8,589230E+21	1,095205E+22	1,095222E+22	8,589690E+21	5,360047E+21	2,434960E+21	5,983877E+20	3,634493E+19	3,635092E+19	5,984418E+20	2,435085E+21
56	5,360090E+21	8,589430E+21	1,095170E+22	1,095145E+22	8,588986E+21	5,359733E+21	2,434907E+21	5,984037E+20	3,635837E+19	3,636818E+19	5,985063E+20	2,435051E+21
57	5,359753E+21	8,588672E+21	1,095073E+22	1,095097E+22	8,589063E+21	5,360041E+21	2,435261E+21	5,986425E+20	3,640251E+19	3,639150E+19	5,984926E+20	2,434926E+21
58	5,359668E+21	8,588884E+21	1,095103E+22	1,095095E+22	8,588751E+21	5,359628E+21	2,434982E+21	5,985696E+20	3,641514E+19	3,642739E+19	5,987046E+20	2,435270E+21
59	5,359957E+21	8,588841E+21	1,095051E+22	1,095022E+22	8,588371E+21	5,359637E+21	2,435118E+21	5,986665E+20	3,643342E+19	3,643420E+19	5,986649E+20	2,435052E+21
60	5,359450E+21	8,588194E+21	1,095019E+22	1,095041E+22	8,588652E+21	5,359840E+21	2,435278E+21	5,987782E+20	3,645454E+19	3,644724E+19	5,986847E+20	2,435126E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
61	5,359751E+21	8,588689E+21	1,095055E+22	1,095043E+22	8,588351E+21	5,359415E+21	2,434951E+21	5,986300E+20	3,644341E+19	3,645777E+19	5,988082E+20	2,435328E+21
62	5,359819E+21	8,588423E+21	1,094995E+22	1,094998E+22	8,588489E+21	5,359821E+21	2,435263E+21	5,987470E+20	3,644491E+19	3,643810E+19	5,986453E+20	2,435016E+21
63	5,359447E+21	8,588286E+21	1,095039E+22	1,095060E+22	8,588791E+21	5,359859E+21	2,435197E+21	5,986972E+20	3,643745E+19	3,643135E+19	5,986576E+20	2,435173E+21
64	5,359943E+21	8,588969E+21	1,095085E+22	1,095058E+22	8,588438E+21	5,359527E+21	2,434970E+21	5,985500E+20	3,640657E+19	3,641554E+19	5,986409E+20	2,435119E+21
65	5,359692E+21	8,588527E+21	1,095045E+22	1,095066E+22	8,588887E+21	5,359956E+21	2,435254E+21	5,986600E+20	3,640426E+19	3,638691E+19	5,984667E+20	2,434858E+21
66	5,359533E+21	8,588813E+21	1,095126E+22	1,095135E+22	8,589098E+21	5,359788E+21	2,434963E+21	5,984891E+20	3,638396E+19	3,638683E+19	5,985611E+20	2,435170E+21
67	5,360033E+21	8,589186E+21	1,095132E+22	1,095113E+22	8,588890E+21	5,359749E+21	2,434937E+21	5,984161E+20	3,635472E+19	3,636109E+19	5,984586E+20	2,434976E+21
68	5,359726E+21	8,588847E+21	1,095123E+22	1,095151E+22	8,589322E+21	5,360044E+21	2,435120E+21	5,984907E+20	3,635669E+19	3,634286E+19	5,983577E+20	2,434903E+21
69	5,359949E+21	8,589515E+21	1,095197E+22	1,095185E+22	8,589210E+21	5,359669E+21	2,434763E+21	5,983050E+20	3,633363E+19	3,634905E+19	5,984648E+20	2,435110E+21
70	5,360099E+21	8,589457E+21	1,095166E+22	1,095144E+22	8,589177E+21	5,359930E+21	2,434999E+21	5,984000E+20	3,633745E+19	3,633262E+19	5,983369E+20	2,434817E+21
71	5,359618E+21	8,588995E+21	1,095172E+22	1,095193E+22	8,589508E+21	5,360062E+21	2,435079E+21	5,984744E+20	3,635971E+19	3,635199E+19	5,983925E+20	2,434937E+21
72	5,359951E+21	8,589416E+21	1,095183E+22	1,095168E+22	8,589073E+21	5,359653E+21	2,434830E+21	5,983809E+20	3,635687E+19	3,637244E+19	5,985353E+20	2,435094E+21
73	5,359814E+21	8,588796E+21	1,095080E+22	1,095094E+22	8,589052E+21	5,359989E+21	2,435198E+21	5,986083E+20	3,639629E+19	3,638494E+19	5,984847E+20	2,434906E+21
74	5,359510E+21	8,588577E+21	1,095086E+22	1,095101E+22	8,588984E+21	5,359851E+21	2,435093E+21	5,986075E+20	3,641800E+19	3,642559E+19	5,986690E+20	2,435229E+21
75	5,359958E+21	8,588842E+21	1,095056E+22	1,095024E+22	8,588281E+21	5,359530E+21	2,435032E+21	5,986252E+20	3,643211E+19	3,644341E+19	5,987375E+20	2,435186E+21
76	5,359610E+21	8,588184E+21	1,094980E+22	1,094989E+22	8,588329E+21	5,359767E+21	2,435347E+21	5,988505E+20	3,647328E+19	3,646309E+19	5,987109E+20	2,435059E+21
77	5,359518E+21	8,588340E+21	1,095010E+22	1,095001E+22	8,588157E+21	5,359393E+21	2,435056E+21	5,987677E+20	3,648368E+19	3,649634E+19	5,989109E+20	2,435374E+21
78	5,359743E+21	8,588208E+21	1,094951E+22	1,094926E+22	8,587854E+21	5,359498E+21	2,435236E+21	5,988707E+20	3,650156E+19	3,650281E+19	5,988781E+20	2,435198E+21
79	5,359302E+21	8,587562E+21	1,094917E+22	1,094952E+22	8,588214E+21	5,359746E+21	2,435412E+21	5,989795E+20	3,652048E+19	3,651084E+19	5,988671E+20	2,435220E+21
80	5,359599E+21	8,588151E+21	1,094958E+22	1,094946E+22	8,587872E+21	5,359343E+21	2,435101E+21	5,988247E+20	3,650475E+19	3,651666E+19	5,989787E+20	2,435417E+21
81	5,359654E+21	8,587897E+21	1,094903E+22	1,094898E+22	8,587869E+21	5,359647E+21	2,435385E+21	5,989394E+20	3,650555E+19	3,649622E+19	5,988114E+20	2,435089E+21
82	5,359268E+21	8,587746E+21	1,094952E+22	1,094972E+22	8,588229E+21	5,359685E+21	2,435305E+21	5,988815E+20	3,649780E+19	3,649088E+19	5,988302E+20	2,435237E+21
83	5,359721E+21	8,588375E+21	1,094993E+22	1,094972E+22	8,587963E+21	5,359382E+21	2,435064E+21	5,987272E+20	3,646614E+19	3,647669E+19	5,988320E+20	2,435225E+21
84	5,359527E+21	8,588028E+21	1,094961E+22	1,094979E+22	8,588356E+21	5,359769E+21	2,435309E+21	5,988128E+20	3,645893E+19	3,644387E+19	5,986508E+20	2,435003E+21
85	5,359459E+21	8,588363E+21	1,095042E+22	1,095049E+22	8,588595E+21	5,359617E+21	2,435018E+21	5,986317E+20	3,643466E+19	3,644012E+19	5,987246E+20	2,435275E+21
86	5,359935E+21	8,588749E+21	1,095049E+22	1,095026E+22	8,588389E+21	5,359611E+21	2,435033E+21	5,985776E+20	3,640806E+19	3,641494E+19	5,986253E+20	2,435089E+21
87	5,359635E+21	8,588396E+21	1,095043E+22	1,095074E+22	8,588890E+21	5,359929E+21	2,435232E+21	5,986708E+20	3,641484E+19	3,639836E+19	5,985111E+20	2,434953E+21
88	5,359768E+21	8,589041E+21	1,095118E+22	1,095105E+22	8,588763E+21	5,359575E+21	2,434903E+21	5,985029E+20	3,639608E+19	3,640933E+19	5,986423E+20	2,435190E+21
89	5,359866E+21	8,588830E+21	1,095071E+22	1,095050E+22	8,588601E+21	5,359750E+21	2,435121E+21	5,986148E+20	3,640774E+19	3,640180E+19	5,985486E+20	2,434944E+21
90	5,359423E+21	8,588296E+21	1,095060E+22	1,095089E+22	8,588943E+21	5,359924E+21	2,435211E+21	5,986883E+20	3,643223E+19	3,642691E+19	5,986250E+20	2,435084E+21
91	5,359781E+21	8,588735E+21	1,095063E+22	1,095050E+22	8,588439E+21	5,359505E+21	2,434966E+21	5,985981E+20	3,643018E+19	3,644849E+19	5,987750E+20	2,435258E+21
92	5,359710E+21	8,588274E+21	1,094973E+22	1,094973E+22	8,588282E+21	5,359737E+21	2,435295E+21	5,988137E+20	3,646645E+19	3,645683E+19	5,987053E+20	2,435056E+21
93	5,359419E+21	8,588095E+21	1,094987E+22	1,094991E+22	8,588273E+21	5,359599E+21	2,435179E+21	5,988099E+20	3,648637E+19	3,649407E+19	5,988674E+20	2,435313E+21
94	5,359755E+21	8,588271E+21	1,094960E+22	1,094922E+22	8,587638E+21	5,359316E+21	2,435151E+21	5,988466E+20	3,650459E+19	3,651450E+19	5,989502E+20	2,435295E+21
95	5,359390E+21	8,587501E+21	1,094878E+22	1,094902E+22	8,587861E+21	5,359622E+21	2,435472E+21	5,990732E+20	3,654671E+19	3,653374E+19	5,989143E+20	2,435150E+21
96	5,359287E+21	8,587682E+21	1,094906E+22	1,094906E+22	8,587698E+21	5,359319E+21	2,435208E+21	5,989838E+20	3,655411E+19	3,656522E+19	5,991211E+20	2,435505E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
97	5,359547E+21	8,587535E+21	1,094841E+22	1,094818E+22	8,587232E+21	5,359343E+21	2,435376E+21	5,990835E+20	3,657062E+19	3,657109E+19	5,990832E+20	2,435330E+21
98	5,359169E+21	8,586973E+21	1,094811E+22	1,094847E+22	8,587630E+21	5,359614E+21	2,435548E+21	5,991781E+20	3,658580E+19	3,657628E+19	5,990591E+20	2,435311E+21
99	5,359426E+21	8,587614E+21	1,094860E+22	1,094844E+22	8,587293E+21	5,359202E+21	2,435228E+21	5,990190E+20	3,656808E+19	3,658009E+19	5,991663E+20	2,435500E+21
100	5,359483E+21	8,587434E+21	1,094821E+22	1,094806E+22	8,587239E+21	5,359412E+21	2,435456E+21	5,991122E+20	3,656415E+19	3,655547E+19	5,989939E+20	2,435198E+21
101	5,359123E+21	8,587240E+21	1,094867E+22	1,094890E+22	8,587724E+21	5,359479E+21	2,435353E+21	5,990383E+20	3,655312E+19	3,654746E+19	5,990047E+20	2,435338E+21
102	5,359549E+21	8,587819E+21	1,094902E+22	1,094887E+22	8,587497E+21	5,359248E+21	2,435150E+21	5,988877E+20	3,652103E+19	3,653352E+19	5,990178E+20	2,435378E+21
103	5,359450E+21	8,587524E+21	1,094873E+22	1,094901E+22	8,587933E+21	5,359653E+21	2,435402E+21	5,989731E+20	3,651328E+19	3,649752E+19	5,988101E+20	2,435104E+21
104	5,359381E+21	8,587982E+21	1,094963E+22	1,094966E+22	8,588128E+21	5,359522E+21	2,435139E+21	5,988009E+20	3,648871E+19	3,649307E+19	5,988808E+20	2,435360E+21
105	5,359793E+21	8,588310E+21	1,094971E+22	1,094939E+22	8,587804E+21	5,359432E+21	2,435143E+21	5,987630E+20	3,646774E+19	3,647233E+19	5,987896E+20	2,435161E+21
106	5,359462E+21	8,587886E+21	1,094959E+22	1,094990E+22	8,588380E+21	5,359786E+21	2,435351E+21	5,988642E+20	3,647914E+19	3,646256E+19	5,986977E+20	2,435018E+21
107	5,359517E+21	8,588400E+21	1,095019E+22	1,095014E+22	8,588290E+21	5,359465E+21	2,435031E+21	5,987065E+20	3,646386E+19	3,647822E+19	5,988528E+20	2,435301E+21
108	5,359676E+21	8,588244E+21	1,094969E+22	1,094949E+22	8,587998E+21	5,359566E+21	2,435217E+21	5,988055E+20	3,647386E+19	3,647038E+19	5,987681E+20	2,435110E+21
109	5,359321E+21	8,587727E+21	1,094951E+22	1,094981E+22	8,588313E+21	5,359725E+21	2,435305E+21	5,988772E+20	3,649647E+19	3,649322E+19	5,988276E+20	2,435207E+21
110	5,359629E+21	8,588156E+21	1,094956E+22	1,094940E+22	8,587796E+21	5,359329E+21	2,435095E+21	5,988060E+20	3,649792E+19	3,651631E+19	5,989847E+20	2,435395E+21
111	5,359575E+21	8,587715E+21	1,094875E+22	1,094875E+22	8,587674E+21	5,359547E+21	2,435418E+21	5,990311E+20	3,653770E+19	3,652541E+19	5,988996E+20	2,435134E+21
112	5,359209E+21	8,587532E+21	1,094892E+22	1,094893E+22	8,587682E+21	5,359434E+21	2,435324E+21	5,990400E+20	3,656019E+19	3,656522E+19	5,990790E+20	2,435415E+21
113	5,359498E+21	8,587567E+21	1,094851E+22	1,094819E+22	8,587021E+21	5,359119E+21	2,435278E+21	5,990818E+20	3,658265E+19	3,659094E+19	5,991811E+20	2,435439E+21
114	5,359204E+21	8,586804E+21	1,094761E+22	1,094793E+22	8,587292E+21	5,359494E+21	2,435610E+21	5,992954E+20	3,662272E+19	3,661130E+19	5,991504E+20	2,435294E+21
115	5,359112E+21	8,587021E+21	1,094788E+22	1,094792E+22	8,587101E+21	5,359201E+21	2,435361E+21	5,992026E+20	3,662667E+19	3,663874E+19	5,993437E+20	2,435643E+21
116	5,359432E+21	8,587042E+21	1,094742E+22	1,094710E+22	8,586540E+21	5,359121E+21	2,435475E+21	5,992745E+20	3,663521E+19	3,663720E+19	5,992829E+20	2,435454E+21
117	5,359055E+21	8,586505E+21	1,094719E+22	1,094750E+22	8,587008E+21	5,359390E+21	2,435624E+21	5,993531E+20	3,664473E+19	3,663536E+19	5,992309E+20	2,435373E+21
118	5,359200E+21	8,587058E+21	1,094772E+22	1,094758E+22	8,586767E+21	5,359030E+21	2,435325E+21	5,991981E+20	3,662705E+19	3,663892E+19	5,993469E+20	2,435601E+21
119	5,359290E+21	8,586838E+21	1,094733E+22	1,094732E+22	8,586830E+21	5,359277E+21	2,435543E+21	5,992814E+20	3,662121E+19	3,661129E+19	5,991602E+20	2,435290E+21
120	5,358967E+21	8,586739E+21	1,094780E+22	1,094808E+22	8,587298E+21	5,359398E+21	2,435469E+21	5,992045E+20	3,660745E+19	3,660133E+19	5,991742E+20	2,435460E+21
121	5,359425E+21	8,587314E+21	1,094812E+22	1,094797E+22	8,586959E+21	5,359096E+21	2,435255E+21	5,990592E+20	3,657669E+19	3,658833E+19	5,991839E+20	2,435499E+21
122	5,359382E+21	8,587111E+21	1,094789E+22	1,094813E+22	8,587434E+21	5,359531E+21	2,435511E+21	5,991419E+20	3,656986E+19	3,655425E+19	5,989752E+20	2,435181E+21
123	5,359237E+21	8,587553E+21	1,094883E+22	1,094881E+22	8,587620E+21	5,359398E+21	2,435265E+21	5,989858E+20	3,654837E+19	3,655222E+19	5,990513E+20	2,435427E+21
124	5,359620E+21	8,587873E+21	1,094895E+22	1,094858E+22	8,587235E+21	5,359215E+21	2,435223E+21	5,989414E+20	3,652831E+19	3,653334E+19	5,989752E+20	2,435263E+21
125	5,359288E+21	8,587344E+21	1,094868E+22	1,094906E+22	8,587891E+21	5,359607E+21	2,435426E+21	5,990416E+20	3,654057E+19	3,652562E+19	5,988911E+20	2,435121E+21
126	5,359298E+21	8,587754E+21	1,094914E+22	1,094917E+22	8,587773E+21	5,359337E+21	2,435150E+21	5,989001E+20	3,652882E+19	3,654478E+19	5,990639E+20	2,435453E+21
127	5,359539E+21	8,587618E+21	1,094862E+22	1,094851E+22	8,587446E+21	5,359416E+21	2,435343E+21	5,990082E+20	3,654097E+19	3,653628E+19	5,989630E+20	2,435225E+21
128	5,359190E+21	8,587223E+21	1,094851E+22	1,094875E+22	8,587695E+21	5,359572E+21	2,435450E+21	5,990911E+20	3,656470E+19	3,656022E+19	5,990270E+20	2,435314E+21
129	5,359428E+21	8,587558E+21	1,094852E+22	1,094830E+22	8,587079E+21	5,359096E+21	2,435226E+21	5,990386E+20	3,657304E+19	3,658864E+19	5,991960E+20	2,435503E+21
130	5,359371E+21	8,587083E+21	1,094768E+22	1,094771E+22	8,587061E+21	5,359364E+21	2,435545E+21	5,992604E+20	3,661557E+19	3,660354E+19	5,991304E+20	2,435241E+21
131	5,358957E+21	8,586828E+21	1,094777E+22	1,094786E+22	8,587112E+21	5,359291E+21	2,435466E+21	5,992729E+20	3,663847E+19	3,664413E+19	5,993185E+20	2,435558E+21
132	5,359320E+21	8,586943E+21	1,094740E+22	1,094708E+22	8,586366E+21	5,358915E+21	2,435384E+21	5,992901E+20	3,665519E+19	3,666618E+19	5,994167E+20	2,435613E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
133	5,359101E+21	8,586241E+21	1,094651E+22	1,094684E+22	8,586675E+21	5,359300E+21	2,435708E+21	5,994875E+20	3,668817E+19	3,667905E+19	5,993562E+20	2,435415E+21
134	5,358948E+21	8,586455E+21	1,094686E+22	1,094687E+22	8,586505E+21	5,359048E+21	2,435490E+21	5,994002E+20	3,669083E+19	3,670291E+19	5,995380E+20	2,435757E+21
135	5,359275E+21	8,586499E+21	1,094652E+22	1,094622E+22	8,586000E+21	5,358955E+21	2,435593E+21	5,994681E+20	3,669756E+19	3,669734E+19	5,994541E+20	2,435524E+21
136	5,358860E+21	8,585994E+21	1,094634E+22	1,094664E+22	8,586500E+21	5,359242E+21	2,435745E+21	5,995449E+20	3,670591E+19	3,669449E+19	5,994112E+20	2,435467E+21
137	5,358967E+21	8,586417E+21	1,094674E+22	1,094667E+22	8,586239E+21	5,358862E+21	2,435428E+21	5,993895E+20	3,669012E+19	3,670057E+19	5,995359E+20	2,435737E+21
138	5,359166E+21	8,586291E+21	1,094635E+22	1,094638E+22	8,586340E+21	5,359162E+21	2,435646E+21	5,994555E+20	3,668178E+19	3,667308E+19	5,993489E+20	2,435416E+21
139	5,358860E+21	8,586265E+21	1,094689E+22	1,094713E+22	8,586776E+21	5,359277E+21	2,435591E+21	5,993838E+20	3,666635E+19	3,665999E+19	5,993471E+20	2,435569E+21
140	5,359358E+21	8,586977E+21	1,094737E+22	1,094711E+22	8,586380E+21	5,358887E+21	2,435330E+21	5,992208E+20	3,663137E+19	3,664354E+19	5,993461E+20	2,435592E+21
141	5,359282E+21	8,586751E+21	1,094717E+22	1,094736E+22	8,586920E+21	5,359325E+21	2,435576E+21	5,993005E+20	3,662352E+19	3,660785E+19	5,991285E+20	2,435225E+21
142	5,358994E+21	8,587004E+21	1,094803E+22	1,094807E+22	8,587195E+21	5,359267E+21	2,435370E+21	5,991621E+20	3,660618E+19	3,661010E+19	5,992260E+20	2,435512E+21
143	5,359393E+21	8,587246E+21	1,094806E+22	1,094785E+22	8,586852E+21	5,359103E+21	2,435326E+21	5,991185E+20	3,658808E+19	3,659268E+19	5,991533E+20	2,435361E+21
144	5,359105E+21	8,586773E+21	1,094769E+22	1,094811E+22	8,587404E+21	5,359512E+21	2,435562E+21	5,992297E+20	3,660184E+19	3,658744E+19	5,990852E+20	2,435251E+21
145	5,359120E+21	8,587114E+21	1,094803E+22	1,094808E+22	8,587156E+21	5,359171E+21	2,435282E+21	5,991064E+20	3,659540E+19	3,661050E+19	5,992629E+20	2,435592E+21
146	5,359432E+21	8,587088E+21	1,094756E+22	1,094738E+22	8,586816E+21	5,359250E+21	2,435469E+21	5,992189E+20	3,661174E+19	3,660712E+19	5,991724E+20	2,435334E+21
147	5,359014E+21	8,586673E+21	1,094750E+22	1,094766E+22	8,587023E+21	5,359375E+21	2,435590E+21	5,993209E+20	3,663944E+19	3,663419E+19	5,992439E+20	2,435427E+21
148	5,359250E+21	8,587005E+21	1,094754E+22	1,094727E+22	8,586395E+21	5,358824E+21	2,435314E+21	5,992557E+20	3,664800E+19	3,666471E+19	5,994304E+20	2,435656E+21
149	5,359207E+21	8,586470E+21	1,094661E+22	1,094667E+22	8,586466E+21	5,359140E+21	2,435626E+21	5,994641E+20	3,668753E+19	3,667879E+19	5,993641E+20	2,435388E+21
150	5,358765E+21	8,586154E+21	1,094663E+22	1,094678E+22	8,586535E+21	5,359150E+21	2,435599E+21	5,994849E+20	3,671012E+19	3,671789E+19	5,995495E+20	2,435723E+21
151	5,359185E+21	8,586332E+21	1,094633E+22	1,094607E+22	8,585799E+21	5,358763E+21	2,435518E+21	5,994997E+20	3,672445E+19	3,673463E+19	5,996151E+20	2,435720E+21
152	5,358954E+21	8,585748E+21	1,094555E+22	1,094580E+22	8,586082E+21	5,359160E+21	2,435858E+21	5,996985E+20	3,675469E+19	3,674385E+19	5,995460E+20	2,435498E+21
153	5,358705E+21	8,585817E+21	1,094585E+22	1,094585E+22	8,585875E+21	5,358854E+21	2,435625E+21	5,996211E+20	3,676055E+19	3,676861E+19	5,997253E+20	2,435840E+21
154	5,359052E+21	8,585863E+21	1,094549E+22	1,094525E+22	8,585482E+21	5,358811E+21	2,435713E+21	5,996748E+20	3,676636E+19	3,676526E+19	5,996541E+20	2,435619E+21
155	5,358632E+21	8,585357E+21	1,094532E+22	1,094567E+22	8,585982E+21	5,359112E+21	2,435871E+21	5,997448E+20	3,677187E+19	3,675968E+19	5,996092E+20	2,435601E+21
156	5,358853E+21	8,585904E+21	1,094579E+22	1,094570E+22	8,585647E+21	5,358664E+21	2,435510E+21	5,995603E+20	3,674917E+19	3,676129E+19	5,997255E+20	2,435888E+21
157	5,359115E+21	8,585881E+21	1,094550E+22	1,094549E+22	8,585813E+21	5,358970E+21	2,435708E+21	5,996055E+20	3,673400E+19	3,672734E+19	5,995128E+20	2,435514E+21
158	5,358746E+21	8,585862E+21	1,094613E+22	1,094631E+22	8,586290E+21	5,359134E+21	2,435684E+21	5,995442E+20	3,671945E+19	3,671317E+19	5,995043E+20	2,435650E+21
159	5,359205E+21	8,586528E+21	1,094668E+22	1,094644E+22	8,585957E+21	5,358741E+21	2,435424E+21	5,993869E+20	3,668570E+19	3,669589E+19	5,994913E+20	2,435636E+21
160	5,359081E+21	8,586277E+21	1,094643E+22	1,094664E+22	8,586525E+21	5,359212E+21	2,435684E+21	5,994747E+20	3,668027E+19	3,666393E+19	5,993008E+20	2,435311E+21
161	5,358743E+21	8,586318E+21	1,094702E+22	1,094717E+22	8,586726E+21	5,359139E+21	2,435485E+21	5,993539E+20	3,666908E+19	3,667241E+19	5,994162E+20	2,435641E+21
162	5,359242E+21	8,586633E+21	1,094698E+22	1,094680E+22	8,586343E+21	5,359004E+21	2,435452E+21	5,993109E+20	3,665342E+19	3,665952E+19	5,993587E+20	2,435497E+21
163	5,358980E+21	8,586233E+21	1,094665E+22	1,094699E+22	8,586770E+21	5,359354E+21	2,435701E+21	5,994371E+20	3,666934E+19	3,665506E+19	5,992861E+20	2,435383E+21
164	5,359035E+21	8,586664E+21	1,094708E+22	1,094699E+22	8,586430E+21	5,358908E+21	2,435372E+21	5,993046E+20	3,666246E+19	3,667854E+19	5,994663E+20	2,435717E+21
165	5,359310E+21	8,586615E+21	1,094666E+22	1,094640E+22	8,586167E+21	5,358980E+21	2,435539E+21	5,994127E+20	3,667899E+19	3,667585E+19	5,993770E+20	2,435429E+21
166	5,358785E+21	8,586054E+21	1,094652E+22	1,094671E+22	8,586474E+21	5,359186E+21	2,435694E+21	5,995296E+20	3,671022E+19	3,670618E+19	5,994646E+20	2,435557E+21
167	5,359036E+21	8,586331E+21	1,094652E+22	1,094637E+22	8,585911E+21	5,358684E+21	2,435434E+21	5,994661E+20	3,671936E+19	3,673574E+19	5,996429E+20	2,435782E+21
168	5,359034E+21	8,585870E+21	1,094556E+22	1,094564E+22	8,585927E+21	5,359029E+21	2,435780E+21	5,996792E+20	3,675751E+19	3,674947E+19	5,995820E+20	2,435523E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
169	5,358562E+21	8,585454E+21	1,094547E+22	1,094566E+22	8,585919E+21	5,359002E+21	2,435761E+21	5,997166E+20	3,678317E+19	3,678851E+19	5,997560E+20	2,435841E+21
170	5,359025E+21	8,585743E+21	1,094523E+22	1,094493E+22	8,585196E+21	5,358637E+21	2,435674E+21	5,997280E+20	3,679840E+19	3,680712E+19	5,998239E+20	2,435810E+21
171	5,358729E+21	8,585140E+21	1,094452E+22	1,094471E+22	8,585432E+21	5,358987E+21	2,436012E+21	5,999308E+20	3,682840E+19	3,681488E+19	5,997518E+20	2,435602E+21
172	5,358514E+21	8,585206E+21	1,094483E+22	1,094484E+22	8,585236E+21	5,358607E+21	2,435710E+21	5,998250E+20	3,683034E+19	3,683848E+19	5,999397E+20	2,435986E+21
173	5,358913E+21	8,585281E+21	1,094447E+22	1,094426E+22	8,584912E+21	5,358587E+21	2,435771E+21	5,998493E+20	3,682868E+19	3,683051E+19	5,998591E+20	2,435763E+21
174	5,358503E+21	8,584799E+21	1,094434E+22	1,094470E+22	8,585443E+21	5,358953E+21	2,435962E+21	5,999158E+20	3,683066E+19	3,682024E+19	5,998005E+20	2,435751E+21
175	5,358780E+21	8,585461E+21	1,094500E+22	1,094489E+22	8,585168E+21	5,358512E+21	2,435599E+21	5,997225E+20	3,680354E+19	3,681524E+19	5,998802E+20	2,435971E+21
176	5,359018E+21	8,585540E+21	1,094483E+22	1,094471E+22	8,585339E+21	5,358837E+21	2,435810E+21	5,997671E+20	3,678631E+19	3,677892E+19	5,996629E+20	2,435566E+21
177	5,358527E+21	8,585325E+21	1,094534E+22	1,094554E+22	8,585827E+21	5,358995E+21	2,435796E+21	5,997249E+20	3,677699E+19	3,676778E+19	5,996568E+20	2,435702E+21
178	5,358991E+21	8,585960E+21	1,094579E+22	1,094563E+22	8,585583E+21	5,358663E+21	2,435533E+21	5,995669E+20	3,674614E+19	3,675607E+19	5,996668E+20	2,435709E+21
179	5,358853E+21	8,585663E+21	1,094547E+22	1,094570E+22	8,586051E+21	5,359119E+21	2,435815E+21	5,996639E+20	3,674225E+19	3,672557E+19	5,994886E+20	2,435442E+21
180	5,358633E+21	8,585759E+21	1,094602E+22	1,094615E+22	8,586128E+21	5,358948E+21	2,435575E+21	5,995297E+20	3,672918E+19	3,673476E+19	5,996107E+20	2,435792E+21
181	5,359180E+21	8,586167E+21	1,094603E+22	1,094578E+22	8,585730E+21	5,358781E+21	2,435524E+21	5,994804E+20	3,671180E+19	3,672060E+19	5,995480E+20	2,435618E+21
182	5,358865E+21	8,585768E+21	1,094577E+22	1,094600E+22	8,586151E+21	5,359152E+21	2,435798E+21	5,996251E+20	3,673216E+19	3,671900E+19	5,994805E+20	2,435497E+21
183	5,358879E+21	8,586159E+21	1,094629E+22	1,094615E+22	8,585869E+21	5,358703E+21	2,435473E+21	5,995049E+20	3,672902E+19	3,674390E+19	5,996563E+20	2,435804E+21
184	5,359112E+21	8,586069E+21	1,094578E+22	1,094552E+22	8,585661E+21	5,358819E+21	2,435652E+21	5,996209E+20	3,674913E+19	3,674637E+19	5,995932E+20	2,435545E+21
185	5,358535E+21	8,585306E+21	1,094538E+22	1,094567E+22	8,585936E+21	5,359053E+21	2,435835E+21	5,997585E+20	3,678592E+19	3,678101E+19	5,996890E+20	2,435699E+21
186	5,358869E+21	8,585648E+21	1,094530E+22	1,094520E+22	8,585366E+21	5,358598E+21	2,435598E+21	5,997020E+20	3,679759E+19	3,681353E+19	5,998725E+20	2,435911E+21
187	5,358856E+21	8,585239E+21	1,094443E+22	1,094444E+22	8,585263E+21	5,358888E+21	2,435959E+21	5,999248E+20	3,683542E+19	3,682563E+19	5,998033E+20	2,435654E+21
188	5,358421E+21	8,584856E+21	1,094437E+22	1,094447E+22	8,585172E+21	5,358753E+21	2,435882E+21	5,999447E+20	3,685839E+19	3,686282E+19	5,999740E+20	2,435954E+21
189	5,358836E+21	8,585135E+21	1,094420E+22	1,094386E+22	8,584526E+21	5,358380E+21	2,435764E+21	5,999354E+20	3,686880E+19	3,687875E+19	6,000401E+20	2,435918E+21
190	5,358498E+21	8,584476E+21	1,094348E+22	1,094369E+22	8,584839E+21	5,358783E+21	2,436100E+21	6,001272E+20	3,689622E+19	3,688445E+19	5,999700E+20	2,435748E+21
191	5,358340E+21	8,584583E+21	1,094386E+22	1,094390E+22	8,584704E+21	5,358444E+21	2,435801E+21	6,000057E+20	3,689297E+19	3,690148E+19	6,001308E+20	2,436116E+21
192	5,358812E+21	8,584805E+21	1,094359E+22	1,094336E+22	8,584410E+21	5,358454E+21	2,435871E+21	6,000165E+20	3,688528E+19	3,688855E+19	6,000386E+20	2,435880E+21
193	5,358378E+21	8,584284E+21	1,094343E+22	1,094379E+22	8,584931E+21	5,358814E+21	2,436073E+21	6,000950E+20	3,688851E+19	3,687574E+19	5,999590E+20	2,435836E+21
194	5,358668E+21	8,585036E+21	1,094417E+22	1,094402E+22	8,584727E+21	5,358431E+21	2,435726E+21	5,999061E+20	3,686276E+19	3,687238E+19	6,000376E+20	2,436016E+21
195	5,358807E+21	8,585052E+21	1,094409E+22	1,094392E+22	8,584861E+21	5,358715E+21	2,435941E+21	5,999581E+20	3,684661E+19	3,683653E+19	5,998283E+20	2,435644E+21
196	5,358350E+21	8,584754E+21	1,094445E+22	1,094470E+22	8,585324E+21	5,358813E+21	2,435873E+21	5,998977E+20	3,683632E+19	3,682802E+19	5,998415E+20	2,435815E+21
197	5,358837E+21	8,585396E+21	1,094485E+22	1,094472E+22	8,585077E+21	5,358494E+21	2,435602E+21	5,997240E+20	3,680188E+19	3,681566E+19	5,998566E+20	2,435841E+21
198	5,358733E+21	8,585132E+21	1,094452E+22	1,094472E+22	8,585484E+21	5,358959E+21	2,435905E+21	5,998298E+20	3,679934E+19	3,678517E+19	5,996784E+20	2,435586E+21
199	5,358557E+21	8,585318E+21	1,094519E+22	1,094525E+22	8,585565E+21	5,358771E+21	2,435668E+21	5,997031E+20	3,678679E+19	3,679226E+19	5,997778E+20	2,435882E+21
200	5,359076E+21	8,585781E+21	1,094528E+22	1,094493E+22	8,585178E+21	5,358601E+21	2,435623E+21	5,996637E+20	3,677246E+19	3,678060E+19	5,997259E+20	2,435692E+21
201	5,358638E+21	8,585157E+21	1,094486E+22	1,094513E+22	8,585617E+21	5,358973E+21	2,435912E+21	5,998356E+20	3,680093E+19	3,678534E+19	5,996724E+20	2,435585E+21
202	5,358663E+21	8,585516E+21	1,094524E+22	1,094519E+22	8,585422E+21	5,358615E+21	2,435610E+21	5,997271E+20	3,680316E+19	3,681717E+19	5,998723E+20	2,435908E+21
203	5,358874E+21	8,585376E+21	1,094468E+22	1,094445E+22	8,585100E+21	5,358717E+21	2,435819E+21	5,998545E+20	3,682537E+19	3,682186E+19	5,998209E+20	2,435700E+21
204	5,358402E+21	8,584642E+21	1,094419E+22	1,094449E+22	8,585272E+21	5,358867E+21	2,435965E+21	5,999797E+20	3,686029E+19	3,685690E+19	5,999193E+20	2,435850E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
205	5,358748E+21	8,585072E+21	1,094418E+22	1,094402E+22	8,584675E+21	5,358380E+21	2,435710E+21	5,999138E+20	3,686918E+19	3,688706E+19	6,000945E+20	2,436035E+21
206	5,358681E+21	8,584641E+21	1,094337E+22	1,094329E+22	8,584551E+21	5,358674E+21	2,436081E+21	6,001428E+20	3,690772E+19	3,689881E+19	6,000255E+20	2,435781E+21
207	5,358228E+21	8,584244E+21	1,094341E+22	1,094350E+22	8,584542E+21	5,358527E+21	2,435984E+21	6,001552E+20	3,692902E+19	3,693253E+19	6,001811E+20	2,436063E+21
208	5,358644E+21	8,584535E+21	1,094321E+22	1,094290E+22	8,583964E+21	5,358191E+21	2,435859E+21	6,001335E+20	3,693689E+19	3,694791E+19	6,002558E+20	2,436051E+21
209	5,358298E+21	8,583781E+21	1,094236E+22	1,094265E+22	8,584273E+21	5,358625E+21	2,436212E+21	6,003277E+20	3,696388E+19	3,695149E+19	6,001735E+20	2,435893E+21
210	5,358245E+21	8,584054E+21	1,094281E+22	1,094286E+22	8,584188E+21	5,358351E+21	2,435936E+21	6,002063E+20	3,695956E+19	3,696683E+19	6,003192E+20	2,436217E+21
211	5,358677E+21	8,584343E+21	1,094273E+22	1,094241E+22	8,583853E+21	5,358328E+21	2,436014E+21	6,002169E+20	3,694881E+19	3,694946E+19	6,002091E+20	2,435968E+21
212	5,358261E+21	8,583829E+21	1,094261E+22	1,094292E+22	8,584359E+21	5,358617E+21	2,436165E+21	6,002765E+20	3,694897E+19	3,693487E+19	6,001265E+20	2,435898E+21
213	5,358479E+21	8,584534E+21	1,094337E+22	1,094324E+22	8,584241E+21	5,358250E+21	2,435802E+21	6,000721E+20	3,691936E+19	3,693011E+19	6,002083E+20	2,436083E+21
214	5,358575E+21	8,584455E+21	1,094320E+22	1,094311E+22	8,584407E+21	5,358583E+21	2,436027E+21	6,001208E+20	3,690260E+19	3,689450E+19	6,000127E+20	2,435766E+21
215	5,358188E+21	8,584188E+21	1,094357E+22	1,094388E+22	8,584857E+21	5,358685E+21	2,435962E+21	6,000552E+20	3,689016E+19	3,688304E+19	6,000116E+20	2,435930E+21
216	5,358733E+21	8,584932E+21	1,094400E+22	1,094386E+22	8,584583E+21	5,358361E+21	2,435698E+21	5,998815E+20	3,685483E+19	3,687042E+19	6,000286E+20	2,435952E+21
217	5,358608E+21	8,584629E+21	1,094361E+22	1,094379E+22	8,584933E+21	5,358801E+21	2,436011E+21	6,000099E+20	3,685837E+19	3,684262E+19	5,998471E+20	2,435683E+21
218	5,358447E+21	8,584880E+21	1,094431E+22	1,094432E+22	8,585050E+21	5,358656E+21	2,435800E+21	5,999063E+20	3,685256E+19	3,685594E+19	5,999575E+20	2,435948E+21
219	5,358864E+21	8,585246E+21	1,094443E+22	1,094406E+22	8,584644E+21	5,358449E+21	2,435759E+21	5,998823E+20	3,684339E+19	3,684889E+19	5,999275E+20	2,435810E+21
220	5,358472E+21	8,584524E+21	1,094381E+22	1,094414E+22	8,585037E+21	5,358770E+21	2,436005E+21	6,000430E+20	3,687340E+19	3,685929E+19	5,998989E+20	2,435730E+21
221	5,358500E+21	8,584871E+21	1,094411E+22	1,094410E+22	8,584821E+21	5,358443E+21	2,435720E+21	5,999295E+20	3,687377E+19	3,689135E+19	6,001035E+20	2,436062E+21
222	5,358727E+21	8,584755E+21	1,094357E+22	1,094331E+22	8,584431E+21	5,358538E+21	2,435944E+21	6,000647E+20	3,689703E+19	3,689643E+19	6,000533E+20	2,435859E+21
223	5,358276E+21	8,584091E+21	1,094317E+22	1,094340E+22	8,584590E+21	5,358664E+21	2,436087E+21	6,001919E+20	3,693065E+19	3,692742E+19	6,001253E+20	2,435950E+21
224	5,358570E+21	8,584535E+21	1,094324E+22	1,094300E+22	8,584030E+21	5,358179E+21	2,435830E+21	6,001263E+20	3,693975E+19	3,695715E+19	6,003013E+20	2,436120E+21
225	5,358417E+21	8,583930E+21	1,094227E+22	1,094226E+22	8,583934E+21	5,358472E+21	2,436201E+21	6,003673E+20	3,698182E+19	3,697071E+19	6,002362E+20	2,435889E+21
226	5,358016E+21	8,583568E+21	1,094224E+22	1,094242E+22	8,584016E+21	5,358415E+21	2,436124E+21	6,003810E+20	3,700414E+19	3,700566E+19	6,003960E+20	2,436176E+21
227	5,358432E+21	8,583884E+21	1,094214E+22	1,094185E+22	8,583391E+21	5,358066E+21	2,436011E+21	6,003542E+20	3,700873E+19	3,701799E+19	6,004658E+20	2,436206E+21
228	5,358207E+21	8,583215E+21	1,094130E+22	1,094159E+22	8,583650E+21	5,358426E+21	2,436312E+21	6,005218E+20	3,702999E+19	3,701821E+19	6,003735E+20	2,436022E+21
229	5,358149E+21	8,583605E+21	1,094191E+22	1,094188E+22	8,583597E+21	5,358172E+21	2,436038E+21	6,003869E+20	3,702036E+19	3,702873E+19	6,005023E+20	2,436308E+21
230	5,358513E+21	8,583869E+21	1,094193E+22	1,094156E+22	8,583296E+21	5,358158E+21	2,436116E+21	6,003945E+20	3,700804E+19	3,700957E+19	6,003895E+20	2,436057E+21
231	5,358070E+21	8,583329E+21	1,094186E+22	1,094218E+22	8,583891E+21	5,358449E+21	2,436248E+21	6,004442E+20	3,700582E+19	3,699141E+19	6,002948E+20	2,435976E+21
232	5,358282E+21	8,583996E+21	1,094253E+22	1,094248E+22	8,583829E+21	5,358125E+21	2,435881E+21	6,002288E+20	3,697399E+19	3,698643E+19	6,003835E+20	2,436185E+21
233	5,358385E+21	8,583824E+21	1,094219E+22	1,094220E+22	8,583924E+21	5,358462E+21	2,436130E+21	6,002892E+20	3,695912E+19	3,695087E+19	6,001872E+20	2,435899E+21
234	5,358116E+21	8,583723E+21	1,094259E+22	1,094291E+22	8,584368E+21	5,358595E+21	2,436092E+21	6,002378E+20	3,694969E+19	3,694149E+19	6,001818E+20	2,436025E+21
235	5,358610E+21	8,584506E+21	1,094318E+22	1,094295E+22	8,584016E+21	5,358219E+21	2,435833E+21	6,000769E+20	3,691638E+19	3,692922E+19	6,001987E+20	2,436054E+21
236	5,358500E+21	8,584173E+21	1,094276E+22	1,094289E+22	8,584330E+21	5,358573E+21	2,436090E+21	6,001947E+20	3,692184E+19	3,690587E+19	6,000326E+20	2,435773E+21
237	5,358275E+21	8,584377E+21	1,094344E+22	1,094345E+22	8,584497E+21	5,358449E+21	2,435881E+21	6,000902E+20	3,691651E+19	3,692216E+19	6,001576E+20	2,436049E+21
238	5,358646E+21	8,584623E+21	1,094344E+22	1,094313E+22	8,584109E+21	5,358291E+21	2,435856E+21	6,000716E+20	3,690995E+19	3,691812E+19	6,001451E+20	2,435954E+21
239	5,358307E+21	8,583934E+21	1,094282E+22	1,094317E+22	8,584484E+21	5,358620E+21	2,436116E+21	6,002333E+20	3,693876E+19	3,692683E+19	6,001054E+20	2,435861E+21
240	5,358360E+21	8,584323E+21	1,094311E+22	1,094309E+22	8,584244E+21	5,358291E+21	2,435844E+21	6,001277E+20	3,694002E+19	3,695868E+19	6,003054E+20	2,436169E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
241	5,358535E+21	8,584125E+21	1,094247E+22	1,094222E+22	8,583794E+21	5,358371E+21	2,436092E+21	6,002891E+20	3,696917E+19	3,696643E+19	6,002577E+20	2,435965E+21
242	5,358102E+21	8,583511E+21	1,094207E+22	1,094230E+22	8,583979E+21	5,358521E+21	2,436252E+21	6,004353E+20	3,700833E+19	3,700183E+19	6,003369E+20	2,436031E+21
243	5,358294E+21	8,583851E+21	1,094217E+22	1,094197E+22	8,583409E+21	5,358001E+21	2,435986E+21	6,003743E+20	3,701970E+19	3,703372E+19	6,005290E+20	2,436263E+21
244	5,358228E+21	8,583213E+21	1,094107E+22	1,094112E+22	8,583277E+21	5,358244E+21	2,436296E+21	6,005866E+20	3,705894E+19	3,704911E+19	6,004765E+20	2,436054E+21
245	5,357878E+21	8,582949E+21	1,094109E+22	1,094127E+22	8,583344E+21	5,358211E+21	2,436232E+21	6,005858E+20	3,707550E+19	3,707967E+19	6,006251E+20	2,436335E+21
246	5,358313E+21	8,583334E+21	1,094110E+22	1,094078E+22	8,582750E+21	5,357879E+21	2,436124E+21	6,005531E+20	3,707671E+19	3,708794E+19	6,006784E+20	2,436346E+21
247	5,358097E+21	8,582780E+21	1,094047E+22	1,094068E+22	8,583062E+21	5,358235E+21	2,436411E+21	6,007065E+20	3,709212E+19	3,708035E+19	6,005533E+20	2,436104E+21
248	5,357975E+21	8,583142E+21	1,094115E+22	1,094110E+22	8,583101E+21	5,358014E+21	2,436138E+21	6,005639E+20	3,707949E+19	3,708729E+19	6,006708E+20	2,436362E+21
249	5,358252E+21	8,583232E+21	1,094101E+22	1,094076E+22	8,582857E+21	5,358028E+21	2,436222E+21	6,005749E+20	3,706749E+19	3,706788E+19	6,005624E+20	2,436147E+21
250	5,357883E+21	8,582740E+21	1,094083E+22	1,094128E+22	8,583494E+21	5,358391E+21	2,436378E+21	6,006273E+20	3,706607E+19	3,705011E+19	6,004684E+20	2,436069E+21
251	5,358088E+21	8,583422E+21	1,094159E+22	1,094158E+22	8,583354E+21	5,358033E+21	2,436019E+21	6,004116E+20	3,703229E+19	3,704322E+19	6,005559E+20	2,436324E+21
252	5,358321E+21	8,583344E+21	1,094124E+22	1,094123E+22	8,583335E+21	5,358259E+21	2,436206E+21	6,004546E+20	3,701598E+19	3,700843E+19	6,003616E+20	2,436018E+21
253	5,358046E+21	8,583350E+21	1,094177E+22	1,094197E+22	8,583755E+21	5,358391E+21	2,436181E+21	6,004055E+20	3,700612E+19	3,699934E+19	6,003548E+20	2,436119E+21
254	5,358465E+21	8,584079E+21	1,094243E+22	1,094213E+22	8,583456E+21	5,358018E+21	2,435919E+21	6,002522E+20	3,697599E+19	3,698994E+19	6,003834E+20	2,436157E+21
255	5,358329E+21	8,583707E+21	1,094201E+22	1,094213E+22	8,583832E+21	5,358374E+21	2,436159E+21	6,003669E+20	3,698247E+19	3,696783E+19	6,002208E+20	2,435877E+21
256	5,358091E+21	8,583825E+21	1,094255E+22	1,094262E+22	8,584046E+21	5,358316E+21	2,435974E+21	6,002657E+20	3,697814E+19	3,698598E+19	6,003516E+20	2,436159E+21
257	5,358446E+21	8,583966E+21	1,094235E+22	1,094214E+22	8,583584E+21	5,358167E+21	2,435989E+21	6,002721E+20	3,697691E+19	3,698485E+19	6,003458E+20	2,436086E+21
258	5,358185E+21	8,583384E+21	1,094169E+22	1,094207E+22	8,583930E+21	5,358520E+21	2,436286E+21	6,004606E+20	3,701138E+19	3,699737E+19	6,003058E+20	2,435950E+21
259	5,358142E+21	8,583731E+21	1,094209E+22	1,094204E+22	8,583619E+21	5,358140E+21	2,436019E+21	6,003711E+20	3,701613E+19	3,703065E+19	6,005110E+20	2,436277E+21
260	5,358336E+21	8,583468E+21	1,094135E+22	1,094111E+22	8,583098E+21	5,358119E+21	2,436205E+21	6,005211E+20	3,704720E+19	3,704365E+19	6,004862E+20	2,436084E+21
261	5,357882E+21	8,582848E+21	1,094095E+22	1,094118E+22	8,583298E+21	5,358289E+21	2,436364E+21	6,006582E+20	3,708455E+19	3,708001E+19	6,005776E+20	2,436176E+21
262	5,358076E+21	8,583146E+21	1,094101E+22	1,094084E+22	8,582761E+21	5,357806E+21	2,436097E+21	6,005885E+20	3,709454E+19	3,711124E+19	6,007732E+20	2,436441E+21
263	5,358093E+21	8,582641E+21	1,094003E+22	1,094005E+22	8,582642E+21	5,358041E+21	2,436392E+21	6,007800E+20	3,712710E+19	3,712029E+19	6,006957E+20	2,436210E+21
264	5,357784E+21	8,582466E+21	1,094015E+22	1,094028E+22	8,582768E+21	5,358036E+21	2,436334E+21	6,007733E+20	3,713973E+19	3,714483E+19	6,008174E+20	2,436439E+21
265	5,358149E+21	8,582788E+21	1,094014E+22	1,093983E+22	8,582204E+21	5,357733E+21	2,436254E+21	6,007540E+20	3,714176E+19	3,715114E+19	6,008593E+20	2,436435E+21
266	5,357933E+21	8,582282E+21	1,093955E+22	1,093980E+22	8,582598E+21	5,358128E+21	2,436559E+21	6,009163E+20	3,715866E+19	3,714340E+19	6,007303E+20	2,436163E+21
267	5,357706E+21	8,582519E+21	1,094025E+22	1,094028E+22	8,582645E+21	5,357898E+21	2,436279E+21	6,007709E+20	3,714521E+19	3,714940E+19	6,008530E+20	2,436473E+21
268	5,358066E+21	8,582571E+21	1,093993E+22	1,093978E+22	8,582329E+21	5,357859E+21	2,436310E+21	6,007528E+20	3,712913E+19	3,713087E+19	6,007570E+20	2,436286E+21
269	5,357778E+21	8,582235E+21	1,093984E+22	1,094024E+22	8,582882E+21	5,358211E+21	2,436471E+21	6,007924E+20	3,712320E+19	3,710996E+19	6,006556E+20	2,436205E+21
270	5,357997E+21	8,582968E+21	1,094070E+22	1,094061E+22	8,582754E+21	5,357843E+21	2,436107E+21	6,005774E+20	3,708858E+19	3,710128E+19	6,007316E+20	2,436439E+21
271	5,358234E+21	8,583013E+21	1,094056E+22	1,094041E+22	8,582778E+21	5,358044E+21	2,436267E+21	6,006095E+20	3,706992E+19	3,706300E+19	6,005207E+20	2,436095E+21
272	5,357904E+21	8,582962E+21	1,094112E+22	1,094127E+22	8,583290E+21	5,358202E+21	2,436247E+21	6,005668E+20	3,706162E+19	3,705466E+19	6,005127E+20	2,436171E+21
273	5,358222E+21	8,583478E+21	1,094155E+22	1,094138E+22	8,583058E+21	5,357895E+21	2,436023E+21	6,004334E+20	3,703642E+19	3,704918E+19	6,005582E+20	2,436250E+21
274	5,358145E+21	8,583123E+21	1,094101E+22	1,094125E+22	8,583441E+21	5,358315E+21	2,436305E+21	6,005669E+20	3,704805E+19	3,703197E+19	6,004088E+20	2,435973E+21
275	5,357870E+21	8,583185E+21	1,094153E+22	1,094167E+22	8,583552E+21	5,358230E+21	2,436142E+21	6,004814E+20	3,704612E+19	3,705197E+19	6,005464E+20	2,436289E+21
276	5,358307E+21	8,583353E+21	1,094122E+22	1,094101E+22	8,582956E+21	5,357980E+21	2,436111E+21	6,004838E+20	3,704772E+19	3,705606E+19	6,005590E+20	2,436214E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
277	5,358045E+21	8,582860E+21	1,094065E+22	1,094089E+22	8,583203E+21	5,358307E+21	2,436418E+21	6,006792E+20	3,708396E+19	3,707155E+19	6,005290E+20	2,436073E+21
278	5,357936E+21	8,583100E+21	1,094104E+22	1,094096E+22	8,582933E+21	5,357905E+21	2,436135E+21	6,005971E+20	3,709240E+19	3,710794E+19	6,007472E+20	2,436419E+21
279	5,358141E+21	8,582857E+21	1,094032E+22	1,094006E+22	8,582452E+21	5,357863E+21	2,436282E+21	6,007297E+20	3,712152E+19	3,712044E+19	6,007248E+20	2,436247E+21
280	5,357722E+21	8,582222E+21	1,093986E+22	1,094011E+22	8,582691E+21	5,358082E+21	2,436452E+21	6,008583E+20	3,715572E+19	3,715369E+19	6,008043E+20	2,436330E+21
281	5,357920E+21	8,582494E+21	1,093986E+22	1,093973E+22	8,582156E+21	5,357647E+21	2,436229E+21	6,008018E+20	3,716618E+19	3,718290E+19	6,009887E+20	2,436591E+21
282	5,358002E+21	8,582139E+21	1,093898E+22	1,093897E+22	8,582079E+21	5,357920E+21	2,436552E+21	6,010050E+20	3,719935E+19	3,719016E+19	6,008909E+20	2,436293E+21
283	5,357576E+21	8,581922E+21	1,093925E+22	1,093936E+22	8,582226E+21	5,357911E+21	2,436503E+21	6,010030E+20	3,721113E+19	3,721123E+19	6,010012E+20	2,436520E+21
284	5,357937E+21	8,582167E+21	1,093913E+22	1,093888E+22	8,581647E+21	5,357538E+21	2,436362E+21	6,009624E+20	3,721129E+19	3,721935E+19	6,010552E+20	2,436518E+21
285	5,357703E+21	8,581660E+21	1,093854E+22	1,093880E+22	8,582035E+21	5,357966E+21	2,436668E+21	6,011067E+20	3,722322E+19	3,720913E+19	6,009313E+20	2,436279E+21
286	5,357493E+21	8,581851E+21	1,093921E+22	1,093930E+22	8,582113E+21	5,357750E+21	2,436380E+21	6,009475E+20	3,720597E+19	3,721194E+19	6,010474E+20	2,436610E+21
287	5,357951E+21	8,582085E+21	1,093905E+22	1,093885E+22	8,581765E+21	5,357664E+21	2,436377E+21	6,009056E+20	3,718276E+19	3,718711E+19	6,009320E+20	2,436417E+21
288	5,357715E+21	8,581856E+21	1,093908E+22	1,093939E+22	8,582352E+21	5,358027E+21	2,436536E+21	6,009406E+20	3,717418E+19	3,716153E+19	6,008074E+20	2,436287E+21
289	5,357869E+21	8,582539E+21	1,093994E+22	1,093981E+22	8,582266E+21	5,357697E+21	2,436210E+21	6,007465E+20	3,714320E+19	3,715432E+19	6,008839E+20	2,436513E+21
290	5,358096E+21	8,582590E+21	1,093982E+22	1,093969E+22	8,582380E+21	5,357927E+21	2,436383E+21	6,007952E+20	3,713028E+19	3,712038E+19	6,006819E+20	2,436151E+21
291	5,357666E+21	8,582390E+21	1,094031E+22	1,094055E+22	8,582918E+21	5,358108E+21	2,436372E+21	6,007615E+20	3,712496E+19	3,711541E+19	6,006910E+20	2,436283E+21
292	5,358046E+21	8,582827E+21	1,094048E+22	1,094041E+22	8,582572E+21	5,357753E+21	2,436122E+21	6,006207E+20	3,710142E+19	3,711547E+19	6,007597E+20	2,436386E+21
293	5,358025E+21	8,582580E+21	1,093997E+22	1,094014E+22	8,582811E+21	5,358158E+21	2,436432E+21	6,007614E+20	3,711393E+19	3,710064E+19	6,006212E+20	2,436117E+21
294	5,357735E+21	8,582613E+21	1,094051E+22	1,094058E+22	8,582902E+21	5,358044E+21	2,436268E+21	6,006885E+20	3,711484E+19	3,712228E+19	6,007570E+20	2,436409E+21
295	5,358155E+21	8,582868E+21	1,094033E+22	1,093998E+22	8,582285E+21	5,357738E+21	2,436202E+21	6,006839E+20	3,711641E+19	3,712623E+19	6,007704E+20	2,436332E+21
296	5,357870E+21	8,582313E+21	1,093973E+22	1,093992E+22	8,582582E+21	5,358067E+21	2,436499E+21	6,008796E+20	3,715352E+19	3,714228E+19	6,007391E+20	2,436179E+21
297	5,357703E+21	8,582391E+21	1,093992E+22	1,093991E+22	8,582369E+21	5,357738E+21	2,436255E+21	6,008130E+20	3,716532E+19	3,718062E+19	6,009674E+20	2,436563E+21
298	5,357984E+21	8,582216E+21	1,093919E+22	1,093900E+22	8,581918E+21	5,357740E+21	2,436428E+21	6,009549E+20	3,719657E+19	3,719443E+19	6,009425E+20	2,436376E+21
299	5,357544E+21	8,581596E+21	1,093880E+22	1,093907E+22	8,582121E+21	5,357947E+21	2,436612E+21	6,010909E+20	3,723029E+19	3,722531E+19	6,010126E+20	2,436466E+21
300	5,357779E+21	8,581879E+21	1,093872E+22	1,093859E+22	8,581528E+21	5,357467E+21	2,436365E+21	6,010286E+20	3,724110E+19	3,725635E+19	6,012001E+20	2,436700E+21
301	5,357836E+21	8,581613E+21	1,093801E+22	1,093788E+22	8,581401E+21	5,357737E+21	2,436696E+21	6,012264E+20	3,727200E+19	3,726319E+19	6,011060E+20	2,436394E+21
302	5,357334E+21	8,581258E+21	1,093825E+22	1,093838E+22	8,581630E+21	5,357718E+21	2,436626E+21	6,012201E+20	3,728329E+19	3,728299E+19	6,012138E+20	2,436621E+21
303	5,357710E+21	8,581551E+21	1,093816E+22	1,093791E+22	8,581100E+21	5,357344E+21	2,436438E+21	6,011454E+20	3,727627E+19	3,728675E+19	6,012639E+20	2,436657E+21
304	5,357554E+21	8,581081E+21	1,093756E+22	1,093781E+22	8,581482E+21	5,357786E+21	2,436735E+21	6,012699E+20	3,728159E+19	3,726952E+19	6,011169E+20	2,436406E+21
305	5,357369E+21	8,581284E+21	1,093819E+22	1,093830E+22	8,581569E+21	5,357609E+21	2,436486E+21	6,011195E+20	3,726320E+19	3,726893E+19	6,012176E+20	2,436731E+21
306	5,357887E+21	8,581677E+21	1,093821E+22	1,093798E+22	8,581280E+21	5,357532E+21	2,436493E+21	6,010859E+20	3,724083E+19	3,724257E+19	6,010862E+20	2,436481E+21
307	5,357554E+21	8,581423E+21	1,093839E+22	1,093867E+22	8,581894E+21	5,357889E+21	2,436654E+21	6,011272E+20	3,723323E+19	3,721646E+19	6,009620E+20	2,436360E+21
308	5,357691E+21	8,581999E+21	1,093909E+22	1,093901E+22	8,581811E+21	5,357537E+21	2,436299E+21	6,009269E+20	3,720412E+19	3,721466E+19	6,010599E+20	2,436597E+21
309	5,357911E+21	8,582059E+21	1,093896E+22	1,093880E+22	8,581884E+21	5,357801E+21	2,436486E+21	6,009685E+20	3,719066E+19	3,718325E+19	6,008775E+20	2,436272E+21
310	5,357488E+21	8,581771E+21	1,093933E+22	1,093962E+22	8,582417E+21	5,357986E+21	2,436482E+21	6,009398E+20	3,718620E+19	3,717928E+19	6,008862E+20	2,436407E+21
311	5,357928E+21	8,582342E+21	1,093957E+22	1,093944E+22	8,582007E+21	5,357575E+21	2,436203E+21	6,007891E+20	3,716054E+19	3,717773E+19	6,009515E+20	2,436517E+21
312	5,357934E+21	8,582129E+21	1,093910E+22	1,093915E+22	8,582208E+21	5,357963E+21	2,436517E+21	6,009387E+20	3,717444E+19	3,716216E+19	6,008035E+20	2,436215E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
313	5,357572E+21	8,582058E+21	1,093956E+22	1,093959E+22	8,582311E+21	5,357875E+21	2,436397E+21	6,008949E+20	3,718156E+19	3,718788E+19	6,009500E+20	2,436511E+21
314	5,357979E+21	8,582288E+21	1,093937E+22	1,093905E+22	8,581748E+21	5,357571E+21	2,436337E+21	6,009114E+20	3,719058E+19	3,719746E+19	6,009779E+20	2,436429E+21
315	5,357626E+21	8,581628E+21	1,093869E+22	1,093896E+22	8,582056E+21	5,357918E+21	2,436634E+21	6,011100E+20	3,722973E+19	3,721638E+19	6,009613E+20	2,436330E+21
316	5,357532E+21	8,581678E+21	1,093868E+22	1,093872E+22	8,581733E+21	5,357556E+21	2,436378E+21	6,010390E+20	3,724296E+19	3,725861E+19	6,012016E+20	2,436717E+21
317	5,357859E+21	8,581636E+21	1,093806E+22	1,093776E+22	8,581190E+21	5,357555E+21	2,436572E+21	6,011812E+20	3,727326E+19	3,727296E+19	6,011771E+20	2,436517E+21
318	5,357384E+21	8,580992E+21	1,093773E+22	1,093795E+22	8,581460E+21	5,357760E+21	2,436751E+21	6,013206E+20	3,730654E+19	3,730148E+19	6,012317E+20	2,436565E+21
319	5,357587E+21	8,581347E+21	1,093779E+22	1,093757E+22	8,580891E+21	5,357247E+21	2,436468E+21	6,012407E+20	3,731356E+19	3,732907E+19	6,014129E+20	2,436800E+21
320	5,357615E+21	8,580995E+21	1,093706E+22	1,093694E+22	8,580836E+21	5,357538E+21	2,436784E+21	6,014225E+20	3,733936E+19	3,733116E+19	6,013077E+20	2,436492E+21
321	5,357091E+21	8,580524E+21	1,093713E+22	1,093738E+22	8,581118E+21	5,357595E+21	2,436746E+21	6,014150E+20	3,734862E+19	3,734813E+19	6,014128E+20	2,436749E+21
322	5,357551E+21	8,580923E+21	1,093710E+22	1,093694E+22	8,580601E+21	5,357234E+21	2,436568E+21	6,013368E+20	3,733916E+19	3,734881E+19	6,014484E+20	2,436772E+21
323	5,357416E+21	8,580551E+21	1,093664E+22	1,093690E+22	8,580966E+21	5,357653E+21	2,436854E+21	6,014537E+20	3,734094E+19	3,732669E+19	6,012872E+20	2,436528E+21
324	5,357285E+21	8,580814E+21	1,093726E+22	1,093731E+22	8,580995E+21	5,357439E+21	2,436585E+21	6,012990E+20	3,732293E+19	3,732754E+19	6,013871E+20	2,436822E+21
325	5,357780E+21	8,581300E+21	1,093748E+22	1,093711E+22	8,580696E+21	5,357361E+21	2,436598E+21	6,012633E+20	3,730035E+19	3,730255E+19	6,012649E+20	2,436571E+21
326	5,357376E+21	8,580906E+21	1,093761E+22	1,093791E+22	8,581424E+21	5,357720E+21	2,436741E+21	6,013051E+20	3,729420E+19	3,727777E+19	6,011441E+20	2,436451E+21
327	5,357520E+21	8,581500E+21	1,093826E+22	1,093820E+22	8,581360E+21	5,357382E+21	2,436360E+21	6,010843E+20	3,726131E+19	3,727496E+19	6,012473E+20	2,436724E+21
328	5,357792E+21	8,581561E+21	1,093809E+22	1,093792E+22	8,581378E+21	5,357651E+21	2,436555E+21	6,011212E+20	3,724540E+19	3,724051E+19	6,010537E+20	2,436389E+21
329	5,357371E+21	8,581229E+21	1,093834E+22	1,093864E+22	8,581884E+21	5,357868E+21	2,436607E+21	6,011187E+20	3,724467E+19	3,723803E+19	6,010596E+20	2,436506E+21
330	5,357806E+21	8,581863E+21	1,093869E+22	1,093854E+22	8,581489E+21	5,357447E+21	2,436343E+21	6,009921E+20	3,722503E+19	3,723931E+19	6,011232E+20	2,436579E+21
331	5,357726E+21	8,581593E+21	1,093826E+22	1,093830E+22	8,581663E+21	5,357795E+21	2,436649E+21	6,011557E+20	3,724404E+19	3,722785E+19	6,009922E+20	2,436304E+21
332	5,357345E+21	8,581374E+21	1,093845E+22	1,093856E+22	8,581723E+21	5,357688E+21	2,436514E+21	6,011178E+20	3,725624E+19	3,726129E+19	6,011662E+20	2,436625E+21
333	5,357773E+21	8,581634E+21	1,093826E+22	1,093793E+22	8,581110E+21	5,357405E+21	2,436465E+21	6,011304E+20	3,726649E+19	3,727515E+19	6,012181E+20	2,436587E+21
334	5,357443E+21	8,580925E+21	1,093753E+22	1,093783E+22	8,581411E+21	5,357736E+21	2,436758E+21	6,013306E+20	3,730567E+19	3,729433E+19	6,011965E+20	2,436478E+21
335	5,357406E+21	8,581130E+21	1,093761E+22	1,093758E+22	8,581066E+21	5,357352E+21	2,436483E+21	6,012475E+20	3,731557E+19	3,733358E+19	6,014287E+20	2,436863E+21
336	5,357738E+21	8,581125E+21	1,093709E+22	1,093669E+22	8,580526E+21	5,357347E+21	2,436675E+21	6,013872E+20	3,734384E+19	3,734465E+19	6,013873E+20	2,436622E+21
337	5,357186E+21	8,580367E+21	1,093669E+22	1,093692E+22	8,580857E+21	5,357599E+21	2,436893E+21	6,015425E+20	3,737907E+19	3,737305E+19	6,014419E+20	2,436664E+21
338	5,357360E+21	8,580682E+21	1,093676E+22	1,093665E+22	8,580383E+21	5,357104E+21	2,436607E+21	6,014666E+20	3,738765E+19	3,740066E+19	6,016210E+20	2,436901E+21
339	5,357371E+21	8,580287E+21	1,093599E+22	1,093598E+22	8,580318E+21	5,357406E+21	2,436913E+21	6,016333E+20	3,740934E+19	3,739987E+19	6,015180E+20	2,436645E+21
340	5,356943E+21	8,579845E+21	1,093591E+22	1,093621E+22	8,580490E+21	5,357433E+21	2,436865E+21	6,016149E+20	3,741633E+19	3,741570E+19	6,016174E+20	2,436893E+21
341	5,357466E+21	8,580448E+21	1,093610E+22	1,093582E+22	8,579920E+21	5,357058E+21	2,436689E+21	6,015270E+20	3,740315E+19	3,741401E+19	6,016447E+20	2,436897E+21
342	5,357305E+21	8,580098E+21	1,093579E+22	1,093598E+22	8,580371E+21	5,357457E+21	2,436951E+21	6,016378E+20	3,740299E+19	3,738835E+19	6,014636E+20	2,436608E+21
343	5,357156E+21	8,580448E+21	1,093655E+22	1,093652E+22	8,580463E+21	5,357233E+21	2,436649E+21	6,014649E+20	3,738101E+19	3,738634E+19	6,015602E+20	2,436907E+21
344	5,357614E+21	8,580835E+21	1,093675E+22	1,093640E+22	8,580259E+21	5,357192E+21	2,436651E+21	6,014143E+20	3,735423E+19	3,735738E+19	6,014279E+20	2,436652E+21
345	5,357186E+21	8,580330E+21	1,093672E+22	1,093713E+22	8,581034E+21	5,357641E+21	2,436846E+21	6,014648E+20	3,734849E+19	3,733252E+19	6,013104E+20	2,436551E+21
346	5,357370E+21	8,580957E+21	1,093737E+22	1,093741E+22	8,580950E+21	5,357306E+21	2,436490E+21	6,012595E+20	3,731787E+19	3,732998E+19	6,014045E+20	2,436800E+21
347	5,357628E+21	8,581044E+21	1,093723E+22	1,093709E+22	8,580911E+21	5,357548E+21	2,436687E+21	6,013055E+20	3,730389E+19	3,729661E+19	6,012200E+20	2,436490E+21
348	5,357234E+21	8,580699E+21	1,093734E+22	1,093762E+22	8,581289E+21	5,357711E+21	2,436733E+21	6,013180E+20	3,730940E+19	3,730136E+19	6,012432E+20	2,436592E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
349	5,357631E+21	8,581354E+21	1,093778E+22	1,093753E+22	8,580833E+21	5,357262E+21	2,436473E+21	6,012029E+20	3,729518E+19	3,730954E+19	6,013349E+20	2,436691E+21
350	5,357510E+21	8,580946E+21	1,093725E+22	1,093735E+22	8,581082E+21	5,357588E+21	2,436746E+21	6,013675E+20	3,731785E+19	3,730268E+19	6,012180E+20	2,436437E+21
351	5,357183E+21	8,580795E+21	1,093738E+22	1,093749E+22	8,581099E+21	5,357474E+21	2,436590E+21	6,013145E+20	3,732770E+19	3,733644E+19	6,014016E+20	2,436798E+21
352	5,357663E+21	8,581067E+21	1,093720E+22	1,093684E+22	8,580457E+21	5,357191E+21	2,436547E+21	6,013227E+20	3,733559E+19	3,734697E+19	6,014376E+20	2,436737E+21
353	5,357325E+21	8,580352E+21	1,093643E+22	1,093672E+22	8,580776E+21	5,357574E+21	2,436893E+21	6,015421E+20	3,737658E+19	3,736629E+19	6,014094E+20	2,436598E+21
354	5,357247E+21	8,580574E+21	1,093664E+22	1,093661E+22	8,580482E+21	5,357205E+21	2,436641E+21	6,014801E+20	3,739044E+19	3,740544E+19	6,016290E+20	2,436934E+21
355	5,357488E+21	8,580498E+21	1,093614E+22	1,093579E+22	8,579978E+21	5,357196E+21	2,436826E+21	6,016208E+20	3,741930E+19	3,741748E+19	6,016000E+20	2,436725E+21
356	5,356934E+21	8,579617E+21	1,093546E+22	1,093581E+22	8,580267E+21	5,357442E+21	2,437031E+21	6,017719E+20	3,745539E+19	3,744816E+19	6,016655E+20	2,436785E+21
357	5,357138E+21	8,579993E+21	1,093560E+22	1,093548E+22	8,579734E+21	5,356961E+21	2,436750E+21	6,016838E+20	3,746137E+19	3,747534E+19	6,018498E+20	2,437054E+21
358	5,357203E+21	8,579623E+21	1,093485E+22	1,093488E+22	8,579678E+21	5,357215E+21	2,437027E+21	6,018361E+20	3,747841E+19	3,746989E+19	6,017273E+20	2,436782E+21
359	5,356858E+21	8,579400E+21	1,093494E+22	1,093515E+22	8,579832E+21	5,357211E+21	2,436947E+21	6,017950E+20	3,747889E+19	3,747944E+19	6,018102E+20	2,437021E+21
360	5,357383E+21	8,580069E+21	1,093533E+22	1,093494E+22	8,579328E+21	5,356843E+21	2,436758E+21	6,016943E+20	3,746068E+19	3,747177E+19	6,018133E+20	2,436982E+21
361	5,357152E+21	8,579639E+21	1,093502E+22	1,093520E+22	8,579888E+21	5,357304E+21	2,437052E+21	6,018128E+20	3,746129E+19	3,744562E+19	6,016313E+20	2,436685E+21
362	5,356960E+21	8,579919E+21	1,093578E+22	1,093587E+22	8,580111E+21	5,357137E+21	2,436763E+21	6,016461E+20	3,744079E+19	3,744363E+19	6,017230E+20	2,436978E+21
363	5,357403E+21	8,580261E+21	1,093590E+22	1,093569E+22	8,579891E+21	5,357111E+21	2,436762E+21	6,015857E+20	3,741170E+19	3,741407E+19	6,015995E+20	2,436765E+21
364	5,357037E+21	8,579735E+21	1,093563E+22	1,093611E+22	8,580509E+21	5,357530E+21	2,436969E+21	6,016449E+20	3,740843E+19	3,739202E+19	6,014865E+20	2,436655E+21
365	5,357238E+21	8,580477E+21	1,093644E+22	1,093639E+22	8,580351E+21	5,357170E+21	2,436623E+21	6,014471E+20	3,737986E+19	3,739237E+19	6,015874E+20	2,436897E+21
366	5,357463E+21	8,580526E+21	1,093633E+22	1,093617E+22	8,580314E+21	5,357349E+21	2,436794E+21	6,015008E+20	3,736921E+19	3,736139E+19	6,014073E+20	2,436577E+21
367	5,357076E+21	8,580235E+21	1,093646E+22	1,093668E+22	8,580674E+21	5,357479E+21	2,436810E+21	6,015050E+20	3,737462E+19	3,736849E+19	6,014481E+20	2,436714E+21
368	5,357459E+21	8,580810E+21	1,093686E+22	1,093661E+22	8,580271E+21	5,357047E+21	2,436535E+21	6,013807E+20	3,735918E+19	3,737580E+19	6,015405E+20	2,436825E+21
369	5,357343E+21	8,580331E+21	1,093618E+22	1,093634E+22	8,580534E+21	5,357438E+21	2,436850E+21	6,015533E+20	3,738349E+19	3,737101E+19	6,014298E+20	2,436584E+21
370	5,357053E+21	8,580219E+21	1,093638E+22	1,093654E+22	8,580564E+21	5,357337E+21	2,436725E+21	6,015211E+20	3,739631E+19	3,740441E+19	6,015985E+20	2,436909E+21
371	5,357509E+21	8,580522E+21	1,093622E+22	1,093589E+22	8,579910E+21	5,357053E+21	2,436690E+21	6,015394E+20	3,740643E+19	3,741625E+19	6,016410E+20	2,436850E+21
372	5,357149E+21	8,579754E+21	1,093532E+22	1,093558E+22	8,580129E+21	5,357417E+21	2,437056E+21	6,017799E+20	3,745323E+19	3,744098E+19	6,016244E+20	2,436693E+21
373	5,357009E+21	8,579946E+21	1,093560E+22	1,093552E+22	8,579823E+21	5,357040E+21	2,436809E+21	6,017274E+20	3,747126E+19	3,748467E+19	6,018615E+20	2,437045E+21
374	5,357214E+21	8,579734E+21	1,093496E+22	1,093473E+22	8,579381E+21	5,357010E+21	2,436959E+21	6,018578E+20	3,749950E+19	3,749778E+19	6,018398E+20	2,436868E+21
375	5,356762E+21	8,578979E+21	1,093426E+22	1,093460E+22	8,579589E+21	5,357231E+21	2,437129E+21	6,019784E+20	3,752850E+19	3,752398E+19	6,019030E+20	2,436964E+21
376	5,357029E+21	8,579424E+21	1,093449E+22	1,093433E+22	8,579046E+21	5,356732E+21	2,436834E+21	6,018717E+20	3,752730E+19	3,754286E+19	6,020545E+20	2,437198E+21
377	5,357106E+21	8,579129E+21	1,093387E+22	1,093384E+22	8,579058E+21	5,357026E+21	2,437130E+21	6,020218E+20	3,754144E+19	3,753331E+19	6,019134E+20	2,436891E+21
378	5,356730E+21	8,578958E+21	1,093419E+22	1,093436E+22	8,579308E+21	5,357040E+21	2,437064E+21	6,019917E+20	3,754263E+19	3,753923E+19	6,019727E+20	2,437075E+21
379	5,357166E+21	8,579553E+21	1,093458E+22	1,093427E+22	8,578932E+21	5,356716E+21	2,436871E+21	6,018821E+20	3,752208E+19	3,753058E+19	6,019827E+20	2,437057E+21
380	5,356925E+21	8,579021E+21	1,093404E+22	1,093434E+22	8,579461E+21	5,357202E+21	2,437165E+21	6,019956E+20	3,752268E+19	3,750598E+19	6,018102E+20	2,436779E+21
381	5,356760E+21	8,579337E+21	1,093483E+22	1,093493E+22	8,579619E+21	5,357056E+21	2,436897E+21	6,018262E+20	3,750131E+19	3,750472E+19	6,019049E+20	2,437086E+21
382	5,357232E+21	8,579674E+21	1,093492E+22	1,093477E+22	8,579393E+21	5,356977E+21	2,436873E+21	6,017593E+20	3,747015E+19	3,747365E+19	6,017750E+20	2,436873E+21
383	5,356960E+21	8,579342E+21	1,093471E+22	1,093510E+22	8,579907E+21	5,357334E+21	2,437046E+21	6,018076E+20	3,746497E+19	3,745072E+19	6,016662E+20	2,436773E+21
384	5,357133E+21	8,580070E+21	1,093564E+22	1,093550E+22	8,579752E+21	5,356944E+21	2,436690E+21	6,016107E+20	3,743600E+19	3,744968E+19	6,017591E+20	2,436994E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
385	5,357305E+21	8,580034E+21	1,093550E+22	1,093533E+22	8,579786E+21	5,357151E+21	2,436877E+21	6,016770E+20	3,743015E+19	3,742321E+19	6,015969E+20	2,436692E+21
386	5,356900E+21	8,579676E+21	1,093561E+22	1,093590E+22	8,580206E+21	5,357316E+21	2,436910E+21	6,016970E+20	3,743986E+19	3,743312E+19	6,016396E+20	2,436829E+21
387	5,357286E+21	8,580228E+21	1,093590E+22	1,093574E+22	8,579800E+21	5,356925E+21	2,436653E+21	6,015745E+20	3,742524E+19	3,744208E+19	6,017437E+20	2,436968E+21
388	5,357209E+21	8,579740E+21	1,093504E+22	1,093520E+22	8,579919E+21	5,357293E+21	2,436991E+21	6,017665E+20	3,745458E+19	3,744204E+19	6,016385E+20	2,436706E+21
389	5,356902E+21	8,579690E+21	1,093536E+22	1,093541E+22	8,579911E+21	5,357194E+21	2,436893E+21	6,017555E+20	3,747266E+19	3,747960E+19	6,018113E+20	2,437002E+21
390	5,357281E+21	8,579889E+21	1,093519E+22	1,093487E+22	8,579297E+21	5,356864E+21	2,436840E+21	6,017830E+20	3,748668E+19	3,749470E+19	6,018622E+20	2,436943E+21
391	5,356927E+21	8,579136E+21	1,093421E+22	1,093447E+22	8,579475E+21	5,357197E+21	2,437173E+21	6,020097E+20	3,753166E+19	3,752048E+19	6,018647E+20	2,436831E+21
392	5,356776E+21	8,579236E+21	1,093446E+22	1,093443E+22	8,579198E+21	5,356825E+21	2,436907E+21	6,019400E+20	3,754519E+19	3,755980E+19	6,020915E+20	2,437195E+21
393	5,357021E+21	8,579024E+21	1,093376E+22	1,093357E+22	8,578743E+21	5,356831E+21	2,437078E+21	6,020644E+20	3,757073E+19	3,757102E+19	6,020663E+20	2,437031E+21
394	5,356626E+21	8,578373E+21	1,093321E+22	1,093357E+22	8,578975E+21	5,357049E+21	2,437255E+21	6,021868E+20	3,759743E+19	3,759143E+19	6,020995E+20	2,437085E+21
395	5,356900E+21	8,578925E+21	1,093357E+22	1,093338E+22	8,578489E+21	5,356571E+21	2,436954E+21	6,020709E+20	3,759325E+19	3,760733E+19	6,022428E+20	2,437304E+21
396	5,356951E+21	8,578608E+21	1,093290E+22	1,093283E+22	8,578460E+21	5,356858E+21	2,437256E+21	6,022271E+20	3,760890E+19	3,759892E+19	6,021008E+20	2,436976E+21
397	5,356533E+21	8,578431E+21	1,093333E+22	1,093349E+22	8,578796E+21	5,356903E+21	2,437194E+21	6,021982E+20	3,761130E+19	3,760605E+19	6,021648E+20	2,437165E+21
398	5,356937E+21	8,578907E+21	1,093362E+22	1,093345E+22	8,578509E+21	5,356585E+21	2,436976E+21	6,020726E+20	3,758748E+19	3,759621E+19	6,021742E+20	2,437171E+21
399	5,356794E+21	8,578502E+21	1,093304E+22	1,093334E+22	8,578919E+21	5,357043E+21	2,437248E+21	6,021590E+20	3,758093E+19	3,756723E+19	6,020031E+20	2,436925E+21
400	5,356665E+21	8,578858E+21	1,093393E+22	1,093397E+22	8,579046E+21	5,356865E+21	2,436970E+21	6,019787E+20	3,755413E+19	3,755957E+19	6,020692E+20	2,437190E+21
401	5,357121E+21	8,579236E+21	1,093408E+22	1,093386E+22	8,578844E+21	5,356805E+21	2,436961E+21	6,019182E+20	3,752368E+19	3,752851E+19	6,019382E+20	2,436963E+21
402	5,356820E+21	8,578919E+21	1,093403E+22	1,093436E+22	8,579405E+21	5,357156E+21	2,437144E+21	6,019840E+20	3,752270E+19	3,750617E+19	6,018222E+20	2,436837E+21
403	5,356942E+21	8,579564E+21	1,093488E+22	1,093479E+22	8,579344E+21	5,356804E+21	2,436786E+21	6,017893E+20	3,749558E+19	3,750834E+19	6,019342E+20	2,437088E+21
404	5,357107E+21	8,579424E+21	1,093449E+22	1,093439E+22	8,579301E+21	5,357025E+21	2,436989E+21	6,018673E+20	3,749501E+19	3,748768E+19	6,017909E+20	2,436813E+21
405	5,356734E+21	8,579102E+21	1,093462E+22	1,093489E+22	8,579665E+21	5,357200E+21	2,437049E+21	6,019029E+20	3,750879E+19	3,750192E+19	6,018412E+20	2,436949E+21
406	5,357116E+21	8,579611E+21	1,093485E+22	1,093474E+22	8,579264E+21	5,356779E+21	2,436789E+21	6,017889E+20	3,749653E+19	3,751282E+19	6,019465E+20	2,437084E+21
407	5,357099E+21	8,579265E+21	1,093403E+22	1,093407E+22	8,579255E+21	5,357094E+21	2,437110E+21	6,019782E+20	3,752643E+19	3,751550E+19	6,018594E+20	2,436837E+21
408	5,356731E+21	8,579130E+21	1,093438E+22	1,093437E+22	8,579249E+21	5,356967E+21	2,437009E+21	6,019731E+20	3,754530E+19	3,755249E+19	6,020253E+20	2,437106E+21
409	5,357045E+21	8,579219E+21	1,093412E+22	1,093385E+22	8,578712E+21	5,356673E+21	2,436960E+21	6,020060E+20	3,756265E+19	3,757181E+19	6,020978E+20	2,437085E+21
410	5,356709E+21	8,578435E+21	1,093313E+22	1,093345E+22	8,578890E+21	5,357013E+21	2,437292E+21	6,022331E+20	3,760784E+19	3,759646E+19	6,020924E+20	2,436981E+21
411	5,356599E+21	8,578540E+21	1,093329E+22	1,093332E+22	8,578605E+21	5,356667E+21	2,437033E+21	6,021532E+20	3,761804E+19	3,763288E+19	6,023140E+20	2,437351E+21
412	5,356888E+21	8,578393E+21	1,093255E+22	1,093233E+22	8,578046E+21	5,356641E+21	2,437210E+21	6,022821E+20	3,764365E+19	3,764359E+19	6,022793E+20	2,437163E+21
413	5,356498E+21	8,577868E+21	1,093223E+22	1,093245E+22	8,578297E+21	5,356864E+21	2,437394E+21	6,024121E+20	3,767148E+19	3,766319E+19	6,023009E+20	2,437175E+21
414	5,356697E+21	8,578350E+21	1,093264E+22	1,093246E+22	8,577943E+21	5,356397E+21	2,437083E+21	6,022907E+20	3,766601E+19	3,767786E+19	6,024384E+20	2,437387E+21
415	5,356774E+21	8,578089E+21	1,093198E+22	1,093188E+22	8,577917E+21	5,356670E+21	2,437344E+21	6,024169E+20	3,767532E+19	3,766699E+19	6,023072E+20	2,437097E+21
416	5,356347E+21	8,577844E+21	1,093240E+22	1,093259E+22	8,578297E+21	5,356737E+21	2,437274E+21	6,023661E+20	3,767028E+19	3,766656E+19	6,023468E+20	2,437275E+21
417	5,356775E+21	8,578328E+21	1,093265E+22	1,093254E+22	8,578033E+21	5,356460E+21	2,437070E+21	6,022313E+20	3,764240E+19	3,765375E+19	6,023504E+20	2,437290E+21
418	5,356672E+21	8,578016E+21	1,093223E+22	1,093250E+22	8,578423E+21	5,356897E+21	2,437346E+21	6,023216E+20	3,763450E+19	3,761972E+19	6,021555E+20	2,437013E+21
419	5,356546E+21	8,578414E+21	1,093315E+22	1,093317E+22	8,578585E+21	5,356740E+21	2,437074E+21	6,021435E+20	3,760777E+19	3,761201E+19	6,022215E+20	2,437261E+21
420	5,356955E+21	8,578745E+21	1,093324E+22	1,093297E+22	8,578304E+21	5,356649E+21	2,437076E+21	6,021040E+20	3,758371E+19	3,758656E+19	6,021077E+20	2,437045E+21

Years	Longitude \odot											
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
421	5,356636E+21	8,578408E+21	1,093322E+22	1,093353E+22	8,578916E+21	5,357010E+21	2,437257E+21	6,021836E+20	3,758930E+19	3,757109E+19	6,020117E+20	2,436938E+21
422	5,356742E+21	8,578934E+21	1,093391E+22	1,093392E+22	8,578900E+21	5,356677E+21	2,436898E+21	6,019874E+20	3,756343E+19	3,757641E+19	6,021348E+20	2,437222E+21
423	5,357014E+21	8,578909E+21	1,093346E+22	1,093331E+22	8,578700E+21	5,356846E+21	2,437079E+21	6,020509E+20	3,756087E+19	3,755675E+19	6,020061E+20	2,436974E+21
424	5,356648E+21	8,578608E+21	1,093366E+22	1,093386E+22	8,579039E+21	5,356990E+21	2,437142E+21	6,020893E+20	3,757310E+19	3,756829E+19	6,020360E+20	2,437061E+21
425	5,356974E+21	8,579093E+21	1,093390E+22	1,093373E+22	8,578663E+21	5,356595E+21	2,436904E+21	6,019928E+20	3,756543E+19	3,758260E+19	6,021508E+20	2,437183E+21
426	5,356887E+21	8,578682E+21	1,093316E+22	1,093316E+22	8,578673E+21	5,356906E+21	2,437238E+21	6,022003E+20	3,759965E+19	3,758712E+19	6,020662E+20	2,436932E+21
427	5,356490E+21	8,578438E+21	1,093335E+22	1,093342E+22	8,578741E+21	5,356820E+21	2,437134E+21	6,021916E+20	3,761897E+19	3,762599E+19	6,022459E+20	2,437223E+21
428	5,356797E+21	8,578448E+21	1,093286E+22	1,093264E+22	8,578081E+21	5,356523E+21	2,437104E+21	6,022340E+20	3,763940E+19	3,764856E+19	6,023306E+20	2,437238E+21
429	5,356538E+21	8,577761E+21	1,093194E+22	1,093222E+22	8,578217E+21	5,356852E+21	2,437439E+21	6,024647E+20	3,768534E+19	3,767352E+19	6,023185E+20	2,437123E+21
430	5,356449E+21	8,577898E+21	1,093213E+22	1,093217E+22	8,577964E+21	5,356484E+21	2,437170E+21	6,023819E+20	3,769425E+19	3,770761E+19	6,025265E+20	2,437479E+21
431	5,356797E+21	8,577919E+21	1,093153E+22	1,093116E+22	8,577329E+21	5,356407E+21	2,437314E+21	6,024921E+20	3,771585E+19	3,771693E+19	6,024975E+20	2,437293E+21
432	5,356350E+21	8,577362E+21	1,093136E+22	1,093151E+22	8,577667E+21	5,356620E+21	2,437485E+21	6,026129E+20	3,773977E+19	3,773137E+19	6,024998E+20	2,437271E+21
433	5,356485E+21	8,577749E+21	1,093172E+22	1,093160E+22	8,577463E+21	5,356239E+21	2,437182E+21	6,024848E+20	3,773300E+19	3,774605E+19	6,026444E+20	2,437505E+21
434	5,356569E+21	8,577480E+21	1,093110E+22	1,093105E+22	8,577459E+21	5,356545E+21	2,437447E+21	6,025982E+20	3,773741E+19	3,772934E+19	6,024951E+20	2,437220E+21
435	5,356205E+21	8,577265E+21	1,093144E+22	1,093169E+22	8,577841E+21	5,356638E+21	2,437384E+21	6,025337E+20	3,772709E+19	3,772368E+19	6,025176E+20	2,437373E+21
436	5,356632E+21	8,577788E+21	1,093166E+22	1,093152E+22	8,577470E+21	5,356331E+21	2,437194E+21	6,024106E+20	3,770036E+19	3,771072E+19	6,025143E+20	2,437376E+21
437	5,356539E+21	8,577574E+21	1,093142E+22	1,093158E+22	8,577862E+21	5,356748E+21	2,437466E+21	6,025125E+20	3,769635E+19	3,767856E+19	6,023186E+20	2,437076E+21
438	5,356352E+21	8,577873E+21	1,093231E+22	1,093237E+22	8,578117E+21	5,356592E+21	2,437187E+21	6,023374E+20	3,767138E+19	3,767327E+19	6,023929E+20	2,437343E+21
439	5,356812E+21	8,578248E+21	1,093236E+22	1,093208E+22	8,577784E+21	5,356466E+21	2,437147E+21	6,022766E+20	3,764537E+19	3,765023E+19	6,023075E+20	2,437184E+21
440	5,356506E+21	8,577878E+21	1,093233E+22	1,093263E+22	8,578383E+21	5,356821E+21	2,437325E+21	6,023466E+20	3,764785E+19	3,763223E+19	6,021996E+20	2,437067E+21
441	5,356621E+21	8,578402E+21	1,093297E+22	1,093299E+22	8,578397E+21	5,356539E+21	2,436993E+21	6,021573E+20	3,762269E+19	3,763884E+19	6,023261E+20	2,437351E+21
442	5,356903E+21	8,578447E+21	1,093265E+22	1,093242E+22	8,578156E+21	5,356683E+21	2,437179E+21	6,022320E+20	3,762244E+19	3,761850E+19	6,021872E+20	2,437077E+21
443	5,356517E+21	8,578109E+21	1,093278E+22	1,093294E+22	8,578512E+21	5,356853E+21	2,437265E+21	6,022841E+20	3,763777E+19	3,763269E+19	6,022208E+20	2,437130E+21
444	5,356740E+21	8,578467E+21	1,093289E+22	1,093271E+22	8,578071E+21	5,356439E+21	2,437050E+21	6,022182E+20	3,763890E+19	3,765415E+19	6,023592E+20	2,437283E+21
445	5,356650E+21	8,578003E+21	1,093209E+22	1,093212E+22	8,578088E+21	5,356749E+21	2,437382E+21	6,024417E+20	3,768006E+19	3,766579E+19	6,022967E+20	2,437059E+21
446	5,356259E+21	8,577661E+21	1,093210E+22	1,093229E+22	8,578156E+21	5,356679E+21	2,437283E+21	6,024300E+20	3,769927E+19	3,770569E+19	6,024811E+20	2,437382E+21
447	5,356687E+21	8,577827E+21	1,093162E+22	1,093133E+22	8,577320E+21	5,356296E+21	2,437216E+21	6,024536E+20	3,771627E+19	3,772776E+19	6,025751E+20	2,437417E+21
448	5,356444E+21	8,577221E+21	1,093087E+22	1,093103E+22	8,577455E+21	5,356577E+21	2,437533E+21	6,026740E+20	3,775762E+19	3,774724E+19	6,025343E+20	2,437247E+21
449	5,356303E+21	8,577368E+21	1,093116E+22	1,093112E+22	8,577314E+21	5,356273E+21	2,437283E+21	6,025966E+20	3,776729E+19	3,778100E+19	6,027406E+20	2,437582E+21
450	5,356585E+21	8,577360E+21	1,093071E+22	1,093032E+22	8,576775E+21	5,356214E+21	2,437422E+21	6,027030E+20	3,778721E+19	3,778728E+19	6,027008E+20	2,437389E+21
451	5,356130E+21	8,576726E+21	1,093041E+22	1,093067E+22	8,577241E+21	5,356507E+21	2,437599E+21	6,028081E+20	3,780675E+19	3,779801E+19	6,026965E+20	2,437362E+21
452	5,356244E+21	8,577051E+21	1,093061E+22	1,093058E+22	8,576956E+21	5,356153E+21	2,437325E+21	6,026845E+20	3,779912E+19	3,781128E+19	6,028376E+20	2,437622E+21
453	5,356400E+21	8,576874E+21	1,093007E+22	1,093005E+22	8,576927E+21	5,356443E+21	2,437587E+21	6,027963E+20	3,780205E+19	3,779252E+19	6,026776E+20	2,437324E+21
454	5,356059E+21	8,576695E+21	1,093042E+22	1,093072E+22	8,577322E+21	5,356520E+21	2,437516E+21	6,027256E+20	3,778948E+19	3,778404E+19	6,026881E+20	2,437469E+21
455	5,356540E+21	8,577356E+21	1,093076E+22	1,093050E+22	8,576833E+21	5,356130E+21	2,437284E+21	6,025863E+20	3,776007E+19	3,777141E+19	6,026990E+20	2,437491E+21
456	5,356418E+21	8,577140E+21	1,093067E+22	1,093077E+22	8,577282E+21	5,356501E+21	2,437524E+21	6,026774E+20	3,775398E+19	3,773722E+19	6,024961E+20	2,437181E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
457	5,356205E+21	8,577374E+21	1,093148E+22	1,093158E+22	8,577649E+21	5,356422E+21	2,437254E+21	6,025030E+20	3,773051E+19	3,773503E+19	6,025849E+20	2,437472E+21
458	5,356668E+21	8,577745E+21	1,093157E+22	1,093129E+22	8,577314E+21	5,356317E+21	2,437221E+21	6,024370E+20	3,770281E+19	3,770906E+19	6,024888E+20	2,437317E+21
459	5,356423E+21	8,577408E+21	1,093147E+22	1,093179E+22	8,577917E+21	5,356701E+21	2,437417E+21	6,025054E+20	3,770382E+19	3,768967E+19	6,023690E+20	2,437155E+21
460	5,356474E+21	8,577897E+21	1,093202E+22	1,093200E+22	8,577830E+21	5,356416E+21	2,437129E+21	6,023504E+20	3,768531E+19	3,769998E+19	6,024973E+20	2,437422E+21
461	5,356721E+21	8,577940E+21	1,093178E+22	1,093150E+22	8,577604E+21	5,356550E+21	2,437326E+21	6,024521E+20	3,769363E+19	3,768639E+19	6,023745E+20	2,437139E+21
462	5,356267E+21	8,577443E+21	1,093175E+22	1,093202E+22	8,578007E+21	5,356726E+21	2,437417E+21	6,025167E+20	3,771337E+19	3,770581E+19	6,024278E+20	2,437224E+21
463	5,356524E+21	8,577784E+21	1,093174E+22	1,093159E+22	8,577438E+21	5,356252E+21	2,437165E+21	6,024378E+20	3,771493E+19	3,773164E+19	6,025996E+20	2,437444E+21
464	5,356476E+21	8,577329E+21	1,093095E+22	1,093098E+22	8,577389E+21	5,356512E+21	2,437480E+21	6,026489E+20	3,775298E+19	3,774136E+19	6,025286E+20	2,437220E+21
465	5,356122E+21	8,577029E+21	1,093093E+22	1,093111E+22	8,577473E+21	5,356475E+21	2,437395E+21	6,026407E+20	3,777214E+19	3,778114E+19	6,027117E+20	2,437536E+21
466	5,356555E+21	8,577300E+21	1,093066E+22	1,093027E+22	8,576648E+21	5,356081E+21	2,437324E+21	6,026640E+20	3,778838E+19	3,779999E+19	6,027888E+20	2,437547E+21
467	5,356313E+21	8,576713E+21	1,092994E+22	1,093006E+22	8,576859E+21	5,356398E+21	2,437647E+21	6,028813E+20	3,782851E+19	3,781798E+19	6,027383E+20	2,437330E+21
468	5,356065E+21	8,576735E+21	1,093014E+22	1,093013E+22	8,576742E+21	5,356125E+21	2,437431E+21	6,028276E+20	3,784315E+19	3,785443E+19	6,029535E+20	2,437687E+21
469	5,356354E+21	8,576688E+21	1,092966E+22	1,092938E+22	8,576285E+21	5,356101E+21	2,437565E+21	6,029325E+20	3,786411E+19	3,786261E+19	6,029195E+20	2,437510E+21
470	5,355919E+21	8,576001E+21	1,092922E+22	1,092965E+22	8,576749E+21	5,356421E+21	2,437750E+21	6,030230E+20	3,787853E+19	3,786869E+19	6,029039E+20	2,437499E+21
471	5,356132E+21	8,576480E+21	1,092949E+22	1,092941E+22	8,576290E+21	5,355972E+21	2,437436E+21	6,028743E+20	3,786444E+19	3,787823E+19	6,030416E+20	2,437766E+21
472	5,356308E+21	8,576408E+21	1,092915E+22	1,092902E+22	8,576231E+21	5,356191E+21	2,437667E+21	6,029694E+20	3,786123E+19	3,785282E+19	6,028544E+20	2,437423E+21
473	5,355927E+21	8,576242E+21	1,092958E+22	1,092982E+22	8,576738E+21	5,356324E+21	2,437603E+21	6,028993E+20	3,784875E+19	3,784397E+19	6,028656E+20	2,437557E+21
474	5,356360E+21	8,576909E+21	1,093008E+22	1,092979E+22	8,576345E+21	5,355936E+21	2,437349E+21	6,027497E+20	3,781708E+19	3,782862E+19	6,028710E+20	2,437591E+21
475	5,356270E+21	8,576651E+21	1,092987E+22	1,093004E+22	8,576885E+21	5,356373E+21	2,437589E+21	6,028259E+20	3,780814E+19	3,779251E+19	6,026621E+20	2,437269E+21
476	5,356030E+21	8,576824E+21	1,093056E+22	1,093071E+22	8,577190E+21	5,356332E+21	2,437374E+21	6,026740E+20	3,778758E+19	3,779161E+19	6,027512E+20	2,437575E+21
477	5,356539E+21	8,577251E+21	1,093069E+22	1,093045E+22	8,576856E+21	5,356217E+21	2,437348E+21	6,026232E+20	3,776408E+19	3,776819E+19	6,026542E+20	2,437397E+21
478	5,356268E+21	8,576887E+21	1,093053E+22	1,093089E+22	8,577441E+21	5,356610E+21	2,437565E+21	6,027059E+20	3,776820E+19	3,775149E+19	6,025403E+20	2,437229E+21
479	5,356312E+21	8,577391E+21	1,093109E+22	1,093099E+22	8,577198E+21	5,356235E+21	2,437253E+21	6,025559E+20	3,775360E+19	3,776807E+19	6,026983E+20	2,437521E+21
480	5,356514E+21	8,577355E+21	1,093084E+22	1,093057E+22	8,576971E+21	5,356307E+21	2,437424E+21	6,026585E+20	3,776445E+19	3,775831E+19	6,025923E+20	2,437264E+21
481	5,356060E+21	8,576772E+21	1,093062E+22	1,093097E+22	8,577429E+21	5,356550E+21	2,437524E+21	6,027268E+20	3,778716E+19	3,778291E+19	6,026687E+20	2,437388E+21
482	5,356346E+21	8,577147E+21	1,093066E+22	1,093051E+22	8,576797E+21	5,356055E+21	2,437266E+21	6,026418E+20	3,778729E+19	3,780627E+19	6,028326E+20	2,437623E+21
483	5,356388E+21	8,576774E+21	1,092985E+22	1,092987E+22	8,576736E+21	5,356310E+21	2,437578E+21	6,028454E+20	3,782312E+19	3,781360E+19	6,027427E+20	2,437345E+21
484	5,355971E+21	8,576469E+21	1,092985E+22	1,092996E+22	8,576773E+21	5,356283E+21	2,437539E+21	6,028690E+20	3,784734E+19	3,785453E+19	6,029212E+20	2,437641E+21
485	5,356365E+21	8,576727E+21	1,092967E+22	1,092929E+22	8,576058E+21	5,355912E+21	2,437474E+21	6,029085E+20	3,786895E+19	3,787714E+19	6,030027E+20	2,437632E+21
486	5,356061E+21	8,576030E+21	1,092886E+22	1,092910E+22	8,576361E+21	5,356281E+21	2,437807E+21	6,031224E+20	3,790809E+19	3,789531E+19	6,029601E+20	2,437444E+21
487	5,355847E+21	8,576041E+21	1,092897E+22	1,092900E+22	8,576130E+21	5,355975E+21	2,437567E+21	6,030496E+20	3,791915E+19	3,793100E+19	6,031857E+20	2,437838E+21
488	5,356180E+21	8,576036E+21	1,092855E+22	1,092830E+22	8,575644E+21	5,355905E+21	2,437677E+21	6,031285E+20	3,793181E+19	3,793293E+19	6,031329E+20	2,437655E+21
489	5,355796E+21	8,575430E+21	1,092812E+22	1,092855E+22	8,576133E+21	5,356242E+21	2,437855E+21	6,032090E+20	3,794240E+19	3,793453E+19	6,031035E+20	2,437623E+21
490	5,355988E+21	8,576011E+21	1,092863E+22	1,092845E+22	8,575676E+21	5,355769E+21	2,437524E+21	6,030484E+20	3,792370E+19	3,793742E+19	6,032161E+20	2,437870E+21
491	5,356189E+21	8,575987E+21	1,092839E+22	1,092821E+22	8,575700E+21	5,355997E+21	2,437738E+21	6,031294E+20	3,791703E+19	3,790850E+19	6,030151E+20	2,437487E+21
492	5,355725E+21	8,575729E+21	1,092876E+22	1,092901E+22	8,576239E+21	5,356166E+21	2,437710E+21	6,030833E+20	3,790931E+19	3,790213E+19	6,030356E+20	2,437649E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
493	5,356178E+21	8,576366E+21	1,092922E+22	1,092904E+22	8,575970E+21	5,355842E+21	2,437461E+21	6,029359E+20	3,787985E+19	3,788939E+19	6,030459E+20	2,437692E+21
494	5,356115E+21	8,576102E+21	1,092892E+22	1,092919E+22	8,576484E+21	5,356306E+21	2,437718E+21	6,030066E+20	3,786895E+19	3,785215E+19	6,028354E+20	2,437384E+21
495	5,355936E+21	8,576351E+21	1,092960E+22	1,092970E+22	8,576607E+21	5,356179E+21	2,437485E+21	6,028523E+20	3,784793E+19	3,785268E+19	6,029299E+20	2,437681E+21
496	5,356418E+21	8,576809E+21	1,092986E+22	1,092956E+22	8,576248E+21	5,355999E+21	2,437441E+21	6,028002E+20	3,782445E+19	3,782957E+19	6,028310E+20	2,437479E+21
497	5,356090E+21	8,576377E+21	1,092963E+22	1,092999E+22	8,576887E+21	5,356429E+21	2,437671E+21	6,028984E+20	3,783377E+19	3,781852E+19	6,027399E+20	2,437321E+21
498	5,356065E+21	8,576806E+21	1,093022E+22	1,093014E+22	8,576671E+21	5,356048E+21	2,437345E+21	6,027482E+20	3,782034E+19	3,783595E+19	6,029059E+20	2,437651E+21
499	5,356334E+21	8,576742E+21	1,092982E+22	1,092961E+22	8,576447E+21	5,356144E+21	2,437512E+21	6,028413E+20	3,783051E+19	3,782671E+19	6,028026E+20	2,437395E+21
500	5,355877E+21	8,576127E+21	1,092948E+22	1,092984E+22	8,576795E+21	5,356393E+21	2,437664E+21	6,029377E+20	3,785753E+19	3,785364E+19	6,028820E+20	2,437538E+21
501	5,356223E+21	8,576574E+21	1,092957E+22	1,092943E+22	8,576204E+21	5,355897E+21	2,437406E+21	6,028677E+20	3,786251E+19	3,787953E+19	6,030422E+20	2,437745E+21
502	5,356242E+21	8,576215E+21	1,092878E+22	1,092878E+22	8,576137E+21	5,356166E+21	2,437733E+21	6,030773E+20	3,789968E+19	3,788823E+19	6,029543E+20	2,437459E+21
503	5,355808E+21	8,575908E+21	1,092882E+22	1,092885E+22	8,576073E+21	5,356065E+21	2,437677E+21	6,031058E+20	3,792664E+19	3,793297E+19	6,031507E+20	2,437765E+21
504	5,356154E+21	8,576094E+21	1,092865E+22	1,092830E+22	8,575415E+21	5,355670E+21	2,437588E+21	6,031369E+20	3,794774E+19	3,795692E+19	6,032394E+20	2,437766E+21
505	5,355840E+21	8,575325E+21	1,092768E+22	1,092801E+22	8,575788E+21	5,356128E+21	2,437934E+21	6,033422E+20	3,798459E+19	3,797448E+19	6,032033E+20	2,437599E+21
506	5,355647E+21	8,575399E+21	1,092791E+22	1,092792E+22	8,575505E+21	5,355796E+21	2,437679E+21	6,032492E+20	3,798871E+19	3,800187E+19	6,034004E+20	2,437988E+21
507	5,356068E+21	8,575499E+21	1,092751E+22	1,092723E+22	8,575021E+21	5,355711E+21	2,437771E+21	6,033082E+20	3,799443E+19	3,799671E+19	6,033167E+20	2,437746E+21
508	5,355626E+21	8,574908E+21	1,092715E+22	1,092750E+22	8,575496E+21	5,356063E+21	2,437983E+21	6,034081E+20	3,800655E+19	3,799582E+19	6,032764E+20	2,437704E+21
509	5,355805E+21	8,575486E+21	1,092776E+22	1,092763E+22	8,575194E+21	5,355614E+21	2,437644E+21	6,032534E+20	3,799058E+19	3,800009E+19	6,033868E+20	2,437935E+21
510	5,355968E+21	8,575406E+21	1,092749E+22	1,092743E+22	8,575303E+21	5,355892E+21	2,437857E+21	6,033213E+20	3,798129E+19	3,797040E+19	6,031939E+20	2,437591E+21
511	5,355560E+21	8,575167E+21	1,092782E+22	1,092808E+22	8,575723E+21	5,356020E+21	2,437812E+21	6,032629E+20	3,797145E+19	3,796456E+19	6,032246E+20	2,437781E+21
512	5,356054E+21	8,575849E+21	1,092833E+22	1,092817E+22	8,575437E+21	5,355667E+21	2,437551E+21	6,030994E+20	3,793698E+19	3,794907E+19	6,032248E+20	2,437811E+21
513	5,356012E+21	8,575640E+21	1,092801E+22	1,092827E+22	8,575977E+21	5,356164E+21	2,437815E+21	6,031715E+20	3,792617E+19	3,791195E+19	6,030162E+20	2,437488E+21
514	5,355789E+21	8,575933E+21	1,092885E+22	1,092884E+22	8,576065E+21	5,356006E+21	2,437575E+21	6,030187E+20	3,790473E+19	3,791054E+19	6,030996E+20	2,437771E+21
515	5,356268E+21	8,576356E+21	1,092908E+22	1,092875E+22	8,575744E+21	5,355816E+21	2,437520E+21	6,029678E+20	3,788302E+19	3,788927E+19	6,030061E+20	2,437555E+21
516	5,355868E+21	8,575788E+21	1,092868E+22	1,092906E+22	8,576363E+21	5,356271E+21	2,437789E+21	6,030989E+20	3,790052E+19	3,788476E+19	6,029398E+20	2,437450E+21
517	5,355879E+21	8,576148E+21	1,092915E+22	1,092919E+22	8,576206E+21	5,355927E+21	2,437475E+21	6,029610E+20	3,789226E+19	3,790670E+19	6,031145E+20	2,437790E+21
518	5,356188E+21	8,576124E+21	1,092870E+22	1,092854E+22	8,575892E+21	5,356018E+21	2,437654E+21	6,030548E+20	3,790275E+19	3,789835E+19	6,030159E+20	2,437551E+21
519	5,355784E+21	8,575593E+21	1,092839E+22	1,092862E+22	8,576042E+21	5,356163E+21	2,437791E+21	6,031593E+20	3,793204E+19	3,792807E+19	6,030987E+20	2,437670E+21
520	5,356084E+21	8,576058E+21	1,092860E+22	1,092836E+22	8,575490E+21	5,355646E+21	2,437525E+21	6,030905E+20	3,793827E+19	3,795545E+19	6,032593E+20	2,437849E+21
521	5,356039E+21	8,575629E+21	1,092777E+22	1,092775E+22	8,575523E+21	5,355963E+21	2,437855E+21	6,033064E+20	3,797841E+19	3,796841E+19	6,031902E+20	2,437568E+21
522	5,355541E+21	8,575243E+21	1,092781E+22	1,092786E+22	8,575503E+21	5,355879E+21	2,437791E+21	6,033268E+20	3,800314E+19	3,800999E+19	6,033802E+20	2,437899E+21
523	5,355946E+21	8,575413E+21	1,092754E+22	1,092727E+22	8,574880E+21	5,355518E+21	2,437697E+21	6,033373E+20	3,801880E+19	3,802982E+19	6,034558E+20	2,437889E+21
524	5,355631E+21	8,574638E+21	1,092651E+22	1,092685E+22	8,575162E+21	5,355982E+21	2,438084E+21	6,035581E+20	3,805521E+19	3,804434E+19	6,034105E+20	2,437734E+21
525	5,355490E+21	8,574767E+21	1,092679E+22	1,092687E+22	8,574952E+21	5,355656E+21	2,437824E+21	6,034682E+20	3,805987E+19	3,806939E+19	6,035874E+20	2,438080E+21
526	5,355896E+21	8,574946E+21	1,092651E+22	1,092622E+22	8,574457E+21	5,355573E+21	2,437913E+21	6,035185E+20	3,806269E+19	3,806215E+19	6,035026E+20	2,437847E+21
527	5,355463E+21	8,574375E+21	1,092622E+22	1,092649E+22	8,574841E+21	5,355836E+21	2,438090E+21	6,036130E+20	3,807506E+19	3,806269E+19	6,034733E+20	2,437819E+21
528	5,355637E+21	8,574938E+21	1,092688E+22	1,092678E+22	8,574654E+21	5,355406E+21	2,437726E+21	6,034386E+20	3,805578E+19	3,806695E+19	6,035881E+20	2,438067E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
529	5,355828E+21	8,574854E+21	1,092653E+22	1,092651E+22	8,574830E+21	5,355753E+21	2,437940E+21	6,034903E+20	3,804282E+19	3,803566E+19	6,033975E+20	2,437735E+21
530	5,355448E+21	8,574714E+21	1,092700E+22	1,092719E+22	8,575203E+21	5,355858E+21	2,437888E+21	6,034177E+20	3,802694E+19	3,802222E+19	6,033983E+20	2,437907E+21
531	5,355989E+21	8,575461E+21	1,092754E+22	1,092733E+22	8,574943E+21	5,355501E+21	2,437619E+21	6,032446E+20	3,798845E+19	3,800212E+19	6,033734E+20	2,437869E+21
532	5,355844E+21	8,575193E+21	1,092723E+22	1,092740E+22	8,575450E+21	5,356019E+21	2,437933E+21	6,033500E+20	3,798360E+19	3,796752E+19	6,031742E+20	2,437555E+21
533	5,355587E+21	8,575376E+21	1,092802E+22	1,092809E+22	8,575665E+21	5,355887E+21	2,437701E+21	6,032176E+20	3,796916E+19	3,797160E+19	6,032671E+20	2,437830E+21
534	5,356028E+21	8,575729E+21	1,092812E+22	1,092789E+22	8,575335E+21	5,355732E+21	2,437654E+21	6,031682E+20	3,794946E+19	3,795403E+19	6,031991E+20	2,437680E+21
535	5,355700E+21	8,575164E+21	1,092762E+22	1,092798E+22	8,575747E+21	5,356098E+21	2,437908E+21	6,033023E+20	3,796970E+19	3,795444E+19	6,031514E+20	2,437605E+21
536	5,355768E+21	8,575581E+21	1,092811E+22	1,092812E+22	8,575542E+21	5,355711E+21	2,437585E+21	6,031617E+20	3,796145E+19	3,797787E+19	6,033263E+20	2,437932E+21
537	5,356075E+21	8,575586E+21	1,092765E+22	1,092743E+22	8,575249E+21	5,355819E+21	2,437764E+21	6,032617E+20	3,797474E+19	3,797237E+19	6,032358E+20	2,437674E+21
538	5,355621E+21	8,575107E+21	1,092751E+22	1,092760E+22	8,575381E+21	5,355933E+21	2,437891E+21	6,033679E+20	3,800411E+19	3,800071E+19	6,033097E+20	2,437781E+21
539	5,355899E+21	8,575497E+21	1,092767E+22	1,092742E+22	8,574915E+21	5,355433E+21	2,437623E+21	6,033017E+20	3,801209E+19	3,802949E+19	6,034719E+20	2,437937E+21
540	5,355769E+21	8,574919E+21	1,092668E+22	1,092671E+22	8,574966E+21	5,355818E+21	2,438003E+21	6,035418E+20	3,805696E+19	3,804664E+19	6,034245E+20	2,437714E+21
541	5,355323E+21	8,574468E+21	1,092658E+22	1,092680E+22	8,575008E+21	5,355775E+21	2,437951E+21	6,035667E+20	3,808318E+19	3,808796E+19	6,036049E+20	2,438030E+21
542	5,355757E+21	8,574716E+21	1,092631E+22	1,092609E+22	8,574292E+21	5,355407E+21	2,437862E+21	6,035669E+20	3,809474E+19	3,810457E+19	6,036756E+20	2,438038E+21
543	5,355499E+21	8,574039E+21	1,092536E+22	1,092558E+22	8,574387E+21	5,355749E+21	2,438213E+21	6,037811E+20	3,812943E+19	3,811759E+19	6,036230E+20	2,437862E+21
544	5,355345E+21	8,574217E+21	1,092581E+22	1,092579E+22	8,574234E+21	5,355406E+21	2,437933E+21	6,036783E+20	3,813146E+19	3,814090E+19	6,037926E+20	2,438184E+21
545	5,355712E+21	8,574375E+21	1,092556E+22	1,092526E+22	8,573881E+21	5,355370E+21	2,438005E+21	6,037164E+20	3,813201E+19	3,813326E+19	6,037159E+20	2,437963E+21
546	5,355274E+21	8,573848E+21	1,092538E+22	1,092562E+22	8,574318E+21	5,355643E+21	2,438157E+21	6,037864E+20	3,813766E+19	3,812676E+19	6,036691E+20	2,437956E+21
547	5,355521E+21	8,574438E+21	1,092602E+22	1,092593E+22	8,574204E+21	5,355267E+21	2,437796E+21	6,035906E+20	3,811110E+19	3,812457E+19	6,037582E+20	2,438168E+21
548	5,355694E+21	8,574362E+21	1,092567E+22	1,092563E+22	8,574350E+21	5,355641E+21	2,438052E+21	6,036556E+20	3,809747E+19	3,809031E+19	6,035595E+20	2,437840E+21
549	5,355338E+21	8,574229E+21	1,092615E+22	1,092641E+22	8,574809E+21	5,355771E+21	2,438013E+21	6,035956E+20	3,808417E+19	3,807599E+19	6,035400E+20	2,437951E+21
550	5,355813E+21	8,574993E+21	1,092676E+22	1,092654E+22	8,574515E+21	5,355418E+21	2,437755E+21	6,034284E+20	3,804699E+19	3,805779E+19	6,035295E+20	2,437938E+21
551	5,355652E+21	8,574657E+21	1,092638E+22	1,092649E+22	8,574862E+21	5,355826E+21	2,438044E+21	6,035474E+20	3,804865E+19	3,803051E+19	6,033594E+20	2,437658E+21
552	5,355396E+21	8,574761E+21	1,092707E+22	1,092719E+22	8,575131E+21	5,355717E+21	2,437803E+21	6,034106E+20	3,803605E+19	3,804003E+19	6,034731E+20	2,437962E+21
553	5,355873E+21	8,575117E+21	1,092706E+22	1,092685E+22	8,574782E+21	5,355577E+21	2,437752E+21	6,033580E+20	3,801741E+19	3,802535E+19	6,034218E+20	2,437837E+21
554	5,355596E+21	8,574671E+21	1,092666E+22	1,092691E+22	8,575083E+21	5,355869E+21	2,437985E+21	6,034853E+20	3,803530E+19	3,802245E+19	6,033562E+20	2,437751E+21
555	5,355696E+21	8,575134E+21	1,092720E+22	1,092711E+22	8,574923E+21	5,355494E+21	2,437663E+21	6,033453E+20	3,802624E+19	3,804388E+19	6,035127E+20	2,438013E+21
556	5,355889E+21	8,575056E+21	1,092675E+22	1,092644E+22	8,574638E+21	5,355631E+21	2,437890E+21	6,034779E+20	3,804677E+19	3,804335E+19	6,034399E+20	2,437769E+21
557	5,355390E+21	8,574432E+21	1,092650E+22	1,092672E+22	8,574925E+21	5,355803E+21	2,438036E+21	6,036043E+20	3,808235E+19	3,807588E+19	6,035181E+20	2,437859E+21
558	5,355625E+21	8,574762E+21	1,092654E+22	1,092641E+22	8,574446E+21	5,355359E+21	2,437788E+21	6,035381E+20	3,809103E+19	3,810681E+19	6,037011E+20	2,438079E+21
559	5,355554E+21	8,574167E+21	1,092544E+22	1,092546E+22	8,574269E+21	5,355648E+21	2,438157E+21	6,037783E+20	3,813624E+19	3,812618E+19	6,036638E+20	2,437881E+21
560	5,355180E+21	8,573787E+21	1,092537E+22	1,092558E+22	8,574295E+21	5,355579E+21	2,438089E+21	6,037907E+20	3,815941E+19	3,816555E+19	6,038343E+20	2,438173E+21
561	5,355619E+21	8,574115E+21	1,092516E+22	1,092487E+22	8,573589E+21	5,355205E+21	2,437983E+21	6,037836E+20	3,816906E+19	3,818071E+19	6,039030E+20	2,438168E+21
562	5,355352E+21	8,573555E+21	1,092445E+22	1,092451E+22	8,573663E+21	5,355480E+21	2,438295E+21	6,039800E+20	3,819886E+19	3,818763E+19	6,038305E+20	2,437988E+21
563	5,355206E+21	8,573713E+21	1,092494E+22	1,092490E+22	8,573659E+21	5,355174E+21	2,437998E+21	6,038632E+20	3,819735E+19	3,820714E+19	6,039849E+20	2,438279E+21
564	5,355510E+21	8,573784E+21	1,092464E+22	1,092437E+22	8,573393E+21	5,355227E+21	2,438110E+21	6,039065E+20	3,819729E+19	3,819889E+19	6,039150E+20	2,438099E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
565	5,355136E+21	8,573258E+21	1,092442E+22	1,092480E+22	8,573928E+21	5,355560E+21	2,438280E+21	6,039747E+20	3,820135E+19	3,818815E+19	6,038419E+20	2,438050E+21
566	5,355388E+21	8,573938E+21	1,092510E+22	1,092504E+22	8,573768E+21	5,355209E+21	2,437939E+21	6,037748E+20	3,817085E+19	3,818206E+19	6,039201E+20	2,438257E+21
567	5,355553E+21	8,573882E+21	1,092481E+22	1,092467E+22	8,573752E+21	5,355478E+21	2,438173E+21	6,038431E+20	3,815824E+19	3,814875E+19	6,037228E+20	2,437915E+21
568	5,355176E+21	8,573725E+21	1,092532E+22	1,092556E+22	8,574252E+21	5,355597E+21	2,438123E+21	6,037818E+20	3,814662E+19	3,813778E+19	6,037129E+20	2,438009E+21
569	5,355580E+21	8,574388E+21	1,092583E+22	1,092567E+22	8,574026E+21	5,355267E+21	2,437853E+21	6,036144E+20	3,811124E+19	3,812354E+19	6,037272E+20	2,438038E+21
570	5,355455E+21	8,574106E+21	1,092549E+22	1,092559E+22	8,574316E+21	5,355634E+21	2,438108E+21	6,037147E+20	3,810983E+19	3,809406E+19	6,035583E+20	2,437807E+21
571	5,355297E+21	8,574243E+21	1,092612E+22	1,092624E+22	8,574580E+21	5,355537E+21	2,437870E+21	6,035713E+20	3,809439E+19	3,810127E+19	6,036567E+20	2,438080E+21
572	5,355755E+21	8,574605E+21	1,092611E+22	1,092587E+22	8,574209E+21	5,355419E+21	2,437860E+21	6,035404E+20	3,807952E+19	3,808824E+19	6,036123E+20	2,437969E+21
573	5,355497E+21	8,574168E+21	1,092574E+22	1,092602E+22	8,574585E+21	5,355730E+21	2,438106E+21	6,036868E+20	3,810274E+19	3,808756E+19	6,035346E+20	2,437822E+21
574	5,355512E+21	8,574614E+21	1,092631E+22	1,092620E+22	8,574407E+21	5,355380E+21	2,437813E+21	6,035648E+20	3,809796E+19	3,811316E+19	6,037110E+20	2,438108E+21
575	5,355660E+21	8,574406E+21	1,092573E+22	1,092542E+22	8,574005E+21	5,355435E+21	2,438025E+21	6,037140E+20	3,812609E+19	3,812155E+19	6,036709E+20	2,437904E+21
576	5,355182E+21	8,573704E+21	1,092533E+22	1,092563E+22	8,574324E+21	5,355648E+21	2,438177E+21	6,038368E+20	3,816303E+19	3,815857E+19	6,037653E+20	2,438009E+21
577	5,355427E+21	8,574028E+21	1,092527E+22	1,092519E+22	8,573798E+21	5,355210E+21	2,437932E+21	6,037686E+20	3,817107E+19	3,818952E+19	6,039531E+20	2,438244E+21
578	5,355423E+21	8,573595E+21	1,092432E+22	1,092422E+22	8,573487E+21	5,355397E+21	2,438260E+21	6,039905E+20	3,821053E+19	3,820244E+19	6,038923E+20	2,438038E+21
579	5,355082E+21	8,573276E+21	1,092433E+22	1,092444E+22	8,573574E+21	5,355329E+21	2,438178E+21	6,039928E+20	3,822959E+19	3,823585E+19	6,040332E+20	2,438260E+21
580	5,355419E+21	8,573550E+21	1,092420E+22	1,092386E+22	8,572948E+21	5,354996E+21	2,438100E+21	6,039988E+20	3,824109E+19	3,825152E+19	6,041097E+20	2,438277E+21
581	5,355151E+21	8,572916E+21	1,092347E+22	1,092368E+22	8,573214E+21	5,355334E+21	2,438411E+21	6,041936E+20	3,827097E+19	3,825646E+19	6,040230E+20	2,438074E+21
582	5,354990E+21	8,573101E+21	1,092397E+22	1,092402E+22	8,573241E+21	5,355111E+21	2,438143E+21	6,040676E+20	3,826562E+19	3,827328E+19	6,041803E+20	2,438405E+21
583	5,355340E+21	8,573174E+21	1,092363E+22	1,092338E+22	8,572813E+21	5,355081E+21	2,438239E+21	6,041050E+20	3,826360E+19	3,826424E+19	6,041061E+20	2,438224E+21
584	5,355016E+21	8,572717E+21	1,092345E+22	1,092385E+22	8,573380E+21	5,355430E+21	2,438405E+21	6,041602E+20	3,826416E+19	3,825096E+19	6,040202E+20	2,438133E+21
585	5,355225E+21	8,573435E+21	1,092419E+22	1,092409E+22	8,573234E+21	5,355080E+21	2,438054E+21	6,039556E+20	3,823202E+19	3,824392E+19	6,040976E+20	2,438330E+21
586	5,355380E+21	8,573445E+21	1,092403E+22	1,092380E+22	8,573142E+21	5,355254E+21	2,438243E+21	6,040097E+20	3,821646E+19	3,820774E+19	6,038994E+20	2,438016E+21
587	5,355027E+21	8,573227E+21	1,092448E+22	1,092475E+22	8,573755E+21	5,355402E+21	2,438176E+21	6,039401E+20	3,820357E+19	3,819629E+19	6,038876E+20	2,438103E+21
588	5,355393E+21	8,573810E+21	1,092490E+22	1,092480E+22	8,573549E+21	5,355130E+21	2,437944E+21	6,037838E+20	3,817058E+19	3,818490E+19	6,039218E+20	2,438192E+21
589	5,355358E+21	8,573556E+21	1,092454E+22	1,092474E+22	8,573861E+21	5,355507E+21	2,438207E+21	6,038900E+20	3,817103E+19	3,815472E+19	6,037349E+20	2,437921E+21
590	5,355206E+21	8,573806E+21	1,092523E+22	1,092531E+22	8,574057E+21	5,355423E+21	2,437999E+21	6,037586E+20	3,815634E+19	3,816231E+19	6,038336E+20	2,438186E+21
591	5,355619E+21	8,574126E+21	1,092522E+22	1,092487E+22	8,573550E+21	5,355215E+21	2,437978E+21	6,037464E+20	3,814821E+19	3,815489E+19	6,038008E+20	2,438060E+21
592	5,355321E+21	8,573627E+21	1,092483E+22	1,092509E+22	8,573999E+21	5,355558E+21	2,438235E+21	6,039025E+20	3,817642E+19	3,816127E+19	6,037431E+20	2,437900E+21
593	5,355249E+21	8,573935E+21	1,092524E+22	1,092521E+22	8,573876E+21	5,355249E+21	2,437951E+21	6,037913E+20	3,817566E+19	3,819186E+19	6,039435E+20	2,438223E+21
594	5,355435E+21	8,573756E+21	1,092463E+22	1,092434E+22	8,573365E+21	5,355243E+21	2,438134E+21	6,039270E+20	3,820156E+19	3,819942E+19	6,039106E+20	2,438075E+21
595	5,355050E+21	8,573071E+21	1,092416E+22	1,092449E+22	8,573671E+21	5,355451E+21	2,438282E+21	6,040418E+20	3,823470E+19	3,823242E+19	6,039849E+20	2,438141E+21
596	5,355254E+21	8,573387E+21	1,092412E+22	1,092402E+22	8,573124E+21	5,355026E+21	2,438068E+21	6,039883E+20	3,824461E+19	3,826319E+19	6,041741E+20	2,438389E+21
597	5,355282E+21	8,573000E+21	1,092327E+22	1,092320E+22	8,572871E+21	5,355210E+21	2,438391E+21	6,042152E+20	3,828556E+19	3,827458E+19	6,040925E+20	2,438126E+21
598	5,354886E+21	8,572719E+21	1,092336E+22	1,092344E+22	8,572966E+21	5,355168E+21	2,438328E+21	6,042247E+20	3,830546E+19	3,830818E+19	6,042417E+20	2,438365E+21
599	5,355179E+21	8,572881E+21	1,092315E+22	1,092284E+22	8,572329E+21	5,354797E+21	2,438227E+21	6,042315E+20	3,831971E+19	3,832805E+19	6,043339E+20	2,438416E+21
600	5,354973E+21	8,572265E+21	1,092238E+22	1,092266E+22	8,572668E+21	5,355196E+21	2,438534E+21	6,044052E+20	3,834605E+19	3,833284E+19	6,042487E+20	2,438211E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
601	5,354823E+21	8,572469E+21	1,092285E+22	1,092294E+22	8,572677E+21	5,354995E+21	2,438278E+21	6,042715E+20	3,833613E+19	3,834513E+19	6,043922E+20	2,438535E+21
602	5,355228E+21	8,572713E+21	1,092270E+22	1,092237E+22	8,572170E+21	5,354871E+21	2,438324E+21	6,042787E+20	3,832484E+19	3,832746E+19	6,042925E+20	2,438342E+21
603	5,354919E+21	8,572297E+21	1,092261E+22	1,092294E+22	8,572797E+21	5,355219E+21	2,438472E+21	6,043208E+20	3,832029E+19	3,830754E+19	6,041791E+20	2,438185E+21
604	5,355004E+21	8,572907E+21	1,092337E+22	1,092328E+22	8,572732E+21	5,354918E+21	2,438152E+21	6,041275E+20	3,828975E+19	3,830160E+19	6,042683E+20	2,438417E+21
605	5,355182E+21	8,572861E+21	1,092318E+22	1,092310E+22	8,572757E+21	5,355126E+21	2,438334E+21	6,041804E+20	3,827513E+19	3,826480E+19	6,040643E+20	2,438102E+21
606	5,354856E+21	8,572704E+21	1,092358E+22	1,092391E+22	8,573328E+21	5,355325E+21	2,438298E+21	6,041127E+20	3,826143E+19	3,825368E+19	6,040630E+20	2,438229E+21
607	5,355259E+21	8,573276E+21	1,092395E+22	1,092385E+22	8,572980E+21	5,354973E+21	2,438057E+21	6,039661E+20	3,823159E+19	3,824534E+19	6,041023E+20	2,438325E+21
608	5,355285E+21	8,573109E+21	1,092362E+22	1,092379E+22	8,573305E+21	5,355357E+21	2,438316E+21	6,040715E+20	3,823427E+19	3,821862E+19	6,039178E+20	2,438014E+21
609	5,355058E+21	8,573335E+21	1,092435E+22	1,092436E+22	8,573493E+21	5,355277E+21	2,438127E+21	6,039589E+20	3,822364E+19	3,822966E+19	6,040244E+20	2,438266E+21
610	5,355439E+21	8,573660E+21	1,092440E+22	1,092398E+22	8,572926E+21	5,354979E+21	2,438067E+21	6,039437E+20	3,821728E+19	3,822458E+19	6,040077E+20	2,438175E+21
611	5,355136E+21	8,573044E+21	1,092385E+22	1,092417E+22	8,573460E+21	5,355365E+21	2,438323E+21	6,041011E+20	3,824667E+19	3,823334E+19	6,039573E+20	2,438012E+21
612	5,355007E+21	8,573229E+21	1,092411E+22	1,092417E+22	8,573329E+21	5,355121E+21	2,438088E+21	6,040063E+20	3,824958E+19	3,826737E+19	6,041758E+20	2,438388E+21
613	5,355282E+21	8,573072E+21	1,092346E+22	1,092328E+22	8,572790E+21	5,355096E+21	2,438277E+21	6,041498E+20	3,827700E+19	3,827371E+19	6,041256E+20	2,438205E+21
614	5,354912E+21	8,572515E+21	1,092305E+22	1,092334E+22	8,573021E+21	5,355302E+21	2,438443E+21	6,042714E+20	3,830968E+19	3,830570E+19	6,041979E+20	2,438264E+21
615	5,355063E+21	8,572775E+21	1,092303E+22	1,092285E+22	8,572367E+21	5,354783E+21	2,438207E+21	6,042309E+20	3,832494E+19	3,834038E+19	6,043931E+20	2,438503E+21
616	5,355079E+21	8,572364E+21	1,092219E+22	1,092212E+22	8,572220E+21	5,355004E+21	2,438517E+21	6,044485E+20	3,836669E+19	3,835534E+19	6,043227E+20	2,438231E+21
617	5,354634E+21	8,572021E+21	1,092224E+22	1,092239E+22	8,572395E+21	5,355011E+21	2,438460E+21	6,044538E+20	3,838497E+19	3,838800E+19	6,044769E+20	2,438499E+21
618	5,354997E+21	8,572279E+21	1,092208E+22	1,092178E+22	8,571696E+21	5,354593E+21	2,438323E+21	6,044299E+20	3,839120E+19	3,840216E+19	6,045593E+20	2,438582E+21
619	5,354873E+21	8,571731E+21	1,092135E+22	1,092164E+22	8,572089E+21	5,355014E+21	2,438621E+21	6,045817E+20	3,840852E+19	3,839762E+19	6,044397E+20	2,438322E+21
620	5,354673E+21	8,571946E+21	1,092190E+22	1,092197E+22	8,572130E+21	5,354856E+21	2,438397E+21	6,044523E+20	3,839666E+19	3,840588E+19	6,045699E+20	2,438637E+21
621	5,355083E+21	8,572207E+21	1,092186E+22	1,092157E+22	8,571689E+21	5,354724E+21	2,438434E+21	6,044575E+20	3,838385E+19	3,838424E+19	6,044477E+20	2,438399E+21
622	5,354732E+21	8,571827E+21	1,092181E+22	1,092214E+22	8,572329E+21	5,355090E+21	2,438593E+21	6,045031E+20	3,837960E+19	3,836447E+19	6,043465E+20	2,438269E+21
623	5,354774E+21	8,572289E+21	1,092243E+22	1,092242E+22	8,572224E+21	5,354752E+21	2,438254E+21	6,043162E+20	3,835313E+19	3,836350E+19	6,044529E+20	2,438543E+21
624	5,355041E+21	8,572302E+21	1,092221E+22	1,092217E+22	8,572267E+21	5,355005E+21	2,438436E+21	6,043571E+20	3,833834E+19	3,832930E+19	6,042574E+20	2,438231E+21
625	5,354738E+21	8,572202E+21	1,092263E+22	1,092292E+22	8,572776E+21	5,355189E+21	2,438419E+21	6,042977E+20	3,832467E+19	3,831771E+19	6,042498E+20	2,438347E+21
626	5,355181E+21	8,572908E+21	1,092313E+22	1,092290E+22	8,572352E+21	5,354747E+21	2,438134E+21	6,041384E+20	3,829212E+19	3,830701E+19	6,042820E+20	2,438436E+21
627	5,355188E+21	8,572723E+21	1,092284E+22	1,092293E+22	8,572746E+21	5,355138E+21	2,438385E+21	6,042435E+20	3,829486E+19	3,827999E+19	6,040910E+20	2,438075E+21
628	5,354822E+21	8,572763E+21	1,092347E+22	1,092354E+22	8,573013E+21	5,355127E+21	2,438244E+21	6,041557E+20	3,829013E+19	3,829638E+19	6,042202E+20	2,438364E+21
629	5,355203E+21	8,572985E+21	1,092342E+22	1,092318E+22	8,572515E+21	5,354859E+21	2,438189E+21	6,041483E+20	3,828761E+19	3,829390E+19	6,042092E+20	2,438285E+21
630	5,354934E+21	8,572414E+21	1,092277E+22	1,092313E+22	8,572933E+21	5,355271E+21	2,438483E+21	6,043173E+20	3,831847E+19	3,830514E+19	6,041748E+20	2,438155E+21
631	5,354804E+21	8,572516E+21	1,092290E+22	1,092298E+22	8,572656E+21	5,354945E+21	2,438241E+21	6,042392E+20	3,832637E+19	3,834271E+19	6,043972E+20	2,438536E+21
632	5,355149E+21	8,572476E+21	1,092230E+22	1,092206E+22	8,572103E+21	5,354912E+21	2,438414E+21	6,043787E+20	3,835596E+19	3,835282E+19	6,043533E+20	2,438326E+21
633	5,354725E+21	8,571915E+21	1,092195E+22	1,092214E+22	8,572290E+21	5,355088E+21	2,438587E+21	6,045123E+20	3,839058E+19	3,838586E+19	6,044271E+20	2,438380E+21
634	5,354877E+21	8,572206E+21	1,092201E+22	1,092177E+22	8,571644E+21	5,354502E+21	2,438298E+21	6,044533E+20	3,840369E+19	3,842005E+19	6,046312E+20	2,438658E+21
635	5,354920E+21	8,571762E+21	1,092113E+22	1,092110E+22	8,571621E+21	5,354772E+21	2,438591E+21	6,046504E+20	3,844037E+19	3,843201E+19	6,045525E+20	2,438373E+21
636	5,354443E+21	8,571360E+21	1,092114E+22	1,092135E+22	8,571839E+21	5,354867E+21	2,438585E+21	6,046595E+20	3,845676E+19	3,846154E+19	6,047005E+20	2,438660E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
637	5,354870E+21	8,571684E+21	1,092107E+22	1,092084E+22	8,571180E+21	5,354455E+21	2,438449E+21	6,046286E+20	3,845875E+19	3,846883E+19	6,047463E+20	2,438683E+21
638	5,354736E+21	8,571269E+21	1,092045E+22	1,092067E+22	8,571543E+21	5,354891E+21	2,438763E+21	6,047776E+20	3,847185E+19	3,845903E+19	6,046141E+20	2,438398E+21
639	5,354445E+21	8,571360E+21	1,092097E+22	1,092102E+22	8,571543E+21	5,354681E+21	2,438528E+21	6,046586E+20	3,846304E+19	3,846832E+19	6,047412E+20	2,438705E+21
640	5,354865E+21	8,571618E+21	1,092092E+22	1,092068E+22	8,571202E+21	5,354586E+21	2,438546E+21	6,046511E+20	3,845002E+19	3,844959E+19	6,046339E+20	2,438479E+21
641	5,354501E+21	8,571207E+21	1,092083E+22	1,092121E+22	8,571843E+21	5,354967E+21	2,438711E+21	6,046940E+20	3,844463E+19	3,842909E+19	6,045379E+20	2,438393E+21
642	5,354650E+21	8,571781E+21	1,092150E+22	1,092147E+22	8,571653E+21	5,354557E+21	2,438330E+21	6,044810E+20	3,841218E+19	3,842494E+19	6,046423E+20	2,438700E+21
643	5,354994E+21	8,571882E+21	1,092135E+22	1,092127E+22	8,571731E+21	5,354804E+21	2,438492E+21	6,045056E+20	3,839228E+19	3,838587E+19	6,044264E+20	2,438339E+21
644	5,354634E+21	8,571787E+21	1,092184E+22	1,092207E+22	8,572269E+21	5,355036E+21	2,438513E+21	6,044633E+20	3,838123E+19	3,837508E+19	6,044178E+20	2,438445E+21
645	5,355046E+21	8,572456E+21	1,092240E+22	1,092218E+22	8,571904E+21	5,354598E+21	2,438238E+21	6,043177E+20	3,835234E+19	3,836509E+19	6,044406E+20	2,438492E+21
646	5,354992E+21	8,572240E+21	1,092206E+22	1,092215E+22	8,572310E+21	5,355020E+21	2,438512E+21	6,044392E+20	3,835970E+19	3,834370E+19	6,042798E+20	2,438170E+21
647	5,354564E+21	8,572053E+21	1,092242E+22	1,092259E+22	8,572503E+21	5,354987E+21	2,438376E+21	6,043730E+20	3,836295E+19	3,836816E+19	6,044314E+20	2,438497E+21
648	5,355021E+21	8,572303E+21	1,092224E+22	1,092205E+22	8,571957E+21	5,354746E+21	2,438330E+21	6,043663E+20	3,836367E+19	3,837118E+19	6,044386E+20	2,438432E+21
649	5,354776E+21	8,571786E+21	1,092160E+22	1,092190E+22	8,572247E+21	5,355102E+21	2,438635E+21	6,045460E+20	3,839549E+19	3,838277E+19	6,044003E+20	2,438300E+21
650	5,354697E+21	8,571996E+21	1,092183E+22	1,092177E+22	8,571865E+21	5,354663E+21	2,438340E+21	6,044557E+20	3,840182E+19	3,841911E+19	6,046204E+20	2,438675E+21
651	5,355016E+21	8,571952E+21	1,092131E+22	1,092098E+22	8,571391E+21	5,354625E+21	2,438492E+21	6,045871E+20	3,842991E+19	3,842821E+19	6,045710E+20	2,438428E+21
652	5,354492E+21	8,571274E+21	1,092093E+22	1,092113E+22	8,571691E+21	5,354877E+21	2,438696E+21	6,047326E+20	3,846701E+19	3,846299E+19	6,046564E+20	2,438514E+21
653	5,354660E+21	8,571512E+21	1,092096E+22	1,092084E+22	8,571150E+21	5,354355E+21	2,438420E+21	6,046705E+20	3,847926E+19	3,849476E+19	6,048470E+20	2,438783E+21
654	5,354743E+21	8,571160E+21	1,092010E+22	1,092008E+22	8,571096E+21	5,354667E+21	2,438743E+21	6,048639E+20	3,851194E+19	3,850395E+19	6,047673E+20	2,438506E+21
655	5,354248E+21	8,570682E+21	1,092001E+22	1,092026E+22	8,571240E+21	5,354720E+21	2,438740E+21	6,048839E+20	3,852973E+19	3,853177E+19	6,048985E+20	2,438770E+21
656	5,354714E+21	8,571116E+21	1,092002E+22	1,091976E+22	8,570617E+21	5,354337E+21	2,438595E+21	6,048434E+20	3,853058E+19	3,853933E+19	6,049418E+20	2,438762E+21
657	5,354518E+21	8,570693E+21	1,091949E+22	1,091963E+22	8,570931E+21	5,354732E+21	2,438907E+21	6,049937E+20	3,854249E+19	3,852733E+19	6,048064E+20	2,438488E+21
658	5,354253E+21	8,570786E+21	1,092003E+22	1,092007E+22	8,570937E+21	5,354445E+21	2,438606E+21	6,048485E+20	3,852984E+19	3,853548E+19	6,049420E+20	2,438838E+21
659	5,354723E+21	8,571059E+21	1,091997E+22	1,091976E+22	8,570681E+21	5,354380E+21	2,438597E+21	6,048137E+20	3,851011E+19	3,851308E+19	6,048301E+20	2,438620E+21
660	5,354381E+21	8,570668E+21	1,091989E+22	1,092027E+22	8,571324E+21	5,354815E+21	2,438797E+21	6,048580E+20	3,850299E+19	3,848984E+19	6,047276E+20	2,438549E+21
661	5,354594E+21	8,571342E+21	1,092071E+22	1,092067E+22	8,571179E+21	5,354410E+21	2,438421E+21	6,046434E+20	3,846802E+19	3,848064E+19	6,047998E+20	2,438794E+21
662	5,354918E+21	8,571558E+21	1,092068E+22	1,092047E+22	8,571238E+21	5,354663E+21	2,438596E+21	6,046726E+20	3,844820E+19	3,844096E+19	6,045830E+20	2,438401E+21
663	5,354427E+21	8,571255E+21	1,092103E+22	1,092126E+22	8,571767E+21	5,354881E+21	2,438631E+21	6,046578E+20	3,844475E+19	3,843544E+19	6,045815E+20	2,438501E+21
664	5,354822E+21	8,571869E+21	1,092149E+22	1,092134E+22	8,571493E+21	5,354502E+21	2,438356E+21	6,045157E+20	3,842069E+19	3,843284E+19	6,046319E+20	2,438569E+21
665	5,354740E+21	8,571570E+21	1,092102E+22	1,092114E+22	8,571796E+21	5,354916E+21	2,438656E+21	6,046506E+20	3,843115E+19	3,841496E+19	6,044895E+20	2,438304E+21
666	5,354416E+21	8,571424E+21	1,092131E+22	1,092147E+22	8,571860E+21	5,354793E+21	2,438483E+21	6,045720E+20	3,843241E+19	3,843991E+19	6,046484E+20	2,438658E+21
667	5,354930E+21	8,571762E+21	1,092118E+22	1,092093E+22	8,571294E+21	5,354513E+21	2,438416E+21	6,045576E+20	3,843120E+19	3,844148E+19	6,046495E+20	2,438565E+21
668	5,354641E+21	8,571248E+21	1,092059E+22	1,092079E+22	8,571565E+21	5,354882E+21	2,438744E+21	6,047537E+20	3,846664E+19	3,845514E+19	6,046144E+20	2,438429E+21
669	5,354536E+21	8,571435E+21	1,092093E+22	1,092083E+22	8,571250E+21	5,354445E+21	2,438453E+21	6,046736E+20	3,847604E+19	3,849160E+19	6,048251E+20	2,438772E+21
670	5,354814E+21	8,571375E+21	1,092038E+22	1,092004E+22	8,570835E+21	5,354447E+21	2,438614E+21	6,048092E+20	3,850625E+19	3,850446E+19	6,047971E+20	2,438550E+21
671	5,354238E+21	8,570515E+21	1,091976E+22	1,092007E+22	8,571130E+21	5,354728E+21	2,438838E+21	6,049704E+20	3,854788E+19	3,854243E+19	6,048876E+20	2,438660E+21
672	5,354489E+21	8,570829E+21	1,091975E+22	1,091967E+22	8,570602E+21	5,354265E+21	2,438580E+21	6,049065E+20	3,856036E+19	3,857557E+19	6,050789E+20	2,438914E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
673	5,354566E+21	8,570529E+21	1,091897E+22	1,091889E+22	8,570448E+21	5,354532E+21	2,438913E+21	6,051010E+20	3,858988E+19	3,858072E+19	6,049843E+20	2,438633E+21
674	5,354115E+21	8,570122E+21	1,091897E+22	1,091913E+22	8,570529E+21	5,354483E+21	2,438851E+21	6,050969E+20	3,860244E+19	3,860399E+19	6,051049E+20	2,438878E+21
675	5,354541E+21	8,570555E+21	1,091906E+22	1,091877E+22	8,569992E+21	5,354094E+21	2,438675E+21	6,050336E+20	3,859712E+19	3,860741E+19	6,051406E+20	2,438856E+21
676	5,354296E+21	8,570071E+21	1,091853E+22	1,091870E+22	8,570386E+21	5,354546E+21	2,438992E+21	6,051767E+20	3,860693E+19	3,859327E+19	6,050091E+20	2,438624E+21
677	5,354093E+21	8,570193E+21	1,091912E+22	1,091921E+22	8,570456E+21	5,354303E+21	2,438695E+21	6,050194E+20	3,859019E+19	3,859586E+19	6,051201E+20	2,438959E+21
678	5,354625E+21	8,570603E+21	1,091913E+22	1,091890E+22	8,570205E+21	5,354261E+21	2,438698E+21	6,049748E+20	3,856559E+19	3,856959E+19	6,050017E+20	2,438736E+21
679	5,354267E+21	8,570179E+21	1,091902E+22	1,091940E+22	8,570813E+21	5,354666E+21	2,438900E+21	6,050335E+20	3,856142E+19	3,854600E+19	6,048843E+20	2,438636E+21
680	5,354490E+21	8,570925E+21	1,091988E+22	1,091978E+22	8,570721E+21	5,354318E+21	2,438541E+21	6,048269E+20	3,852939E+19	3,854023E+19	6,049598E+20	2,438841E+21
681	5,354713E+21	8,571070E+21	1,091991E+22	1,091965E+22	8,570740E+21	5,354535E+21	2,438727E+21	6,048687E+20	3,851259E+19	3,850296E+19	6,047559E+20	2,438479E+21
682	5,354244E+21	8,570687E+21	1,092014E+22	1,092039E+22	8,571237E+21	5,354685E+21	2,438714E+21	6,048441E+20	3,851036E+19	3,850201E+19	6,047780E+20	2,438615E+21
683	5,354646E+21	8,571261E+21	1,092049E+22	1,092039E+22	8,570969E+21	5,354329E+21	2,438435E+21	6,046923E+20	3,848473E+19	3,850056E+19	6,048391E+20	2,438705E+21
684	5,354589E+21	8,570967E+21	1,091998E+22	1,092008E+22	8,571189E+21	5,354752E+21	2,438765E+21	6,048407E+20	3,849790E+19	3,848446E+19	6,047040E+20	2,438464E+21
685	5,354316E+21	8,570889E+21	1,092034E+22	1,092046E+22	8,571242E+21	5,354607E+21	2,438595E+21	6,047700E+20	3,849996E+19	3,850733E+19	6,048401E+20	2,438764E+21
686	5,354807E+21	8,571301E+21	1,092030E+22	1,091994E+22	8,570671E+21	5,354320E+21	2,438532E+21	6,047650E+20	3,850155E+19	3,851115E+19	6,048513E+20	2,438655E+21
687	5,354408E+21	8,570593E+21	1,091957E+22	1,091980E+22	8,570945E+21	5,354671E+21	2,438867E+21	6,049866E+20	3,854490E+19	3,853074E+19	6,048269E+20	2,438529E+21
688	5,354308E+21	8,570749E+21	1,091980E+22	1,091978E+22	8,570736E+21	5,354328E+21	2,438596E+21	6,049144E+20	3,855898E+19	3,857333E+19	6,050590E+20	2,438886E+21
689	5,354564E+21	8,570644E+21	1,091922E+22	1,091891E+22	8,570243E+21	5,354328E+21	2,438780E+21	6,050535E+20	3,858908E+19	3,858704E+19	6,050390E+20	2,438711E+21
690	5,354095E+21	8,569839E+21	1,091856E+22	1,091887E+22	8,570447E+21	5,354532E+21	2,438965E+21	6,051949E+20	3,862610E+19	3,862230E+19	6,051242E+20	2,438818E+21
691	5,354368E+21	8,570251E+21	1,091864E+22	1,091852E+22	8,569935E+21	5,354058E+21	2,438690E+21	6,051140E+20	3,863284E+19	3,865033E+19	6,052985E+20	2,439039E+21
692	5,354402E+21	8,569954E+21	1,091794E+22	1,091778E+22	8,569768E+21	5,354336E+21	2,439035E+21	6,053098E+20	3,866075E+19	3,865262E+19	6,051974E+20	2,438756E+21
693	5,353937E+21	8,569539E+21	1,091805E+22	1,091822E+22	8,569940E+21	5,354282E+21	2,438956E+21	6,052981E+20	3,867081E+19	3,867075E+19	6,052963E+20	2,438974E+21
694	5,354355E+21	8,569999E+21	1,091816E+22	1,091789E+22	8,569473E+21	5,353921E+21	2,438768E+21	6,052212E+20	3,866242E+19	3,867322E+19	6,053398E+20	2,438974E+21
695	5,354095E+21	8,569406E+21	1,091748E+22	1,091774E+22	8,569854E+21	5,354391E+21	2,439096E+21	6,053674E+20	3,867263E+19	3,865775E+19	6,051996E+20	2,438759E+21
696	5,353999E+21	8,569686E+21	1,091812E+22	1,091822E+22	8,569966E+21	5,354215E+21	2,438819E+21	6,052072E+20	3,865473E+19	3,865960E+19	6,053002E+20	2,439059E+21
697	5,354503E+21	8,570163E+21	1,091830E+22	1,091798E+22	8,569654E+21	5,354130E+21	2,438828E+21	6,051639E+20	3,862793E+19	3,862977E+19	6,051666E+20	2,438822E+21
698	5,354164E+21	8,569764E+21	1,091823E+22	1,091853E+22	8,570239E+21	5,354464E+21	2,438984E+21	6,052081E+20	3,862184E+19	3,860552E+19	6,050490E+20	2,438701E+21
699	5,354316E+21	8,570452E+21	1,091911E+22	1,091901E+22	8,570238E+21	5,354135E+21	2,438615E+21	6,049938E+20	3,858807E+19	3,860020E+19	6,051311E+20	2,438904E+21
700	5,354477E+21	8,570471E+21	1,091903E+22	1,091883E+22	8,570280E+21	5,354401E+21	2,438818E+21	6,050414E+20	3,857358E+19	3,856589E+19	6,049497E+20	2,438603E+21
701	5,354067E+21	8,570078E+21	1,091920E+22	1,091954E+22	8,570766E+21	5,354563E+21	2,438817E+21	6,050182E+20	3,857116E+19	3,856395E+19	6,049627E+20	2,438733E+21
702	5,354516E+21	8,570734E+21	1,091956E+22	1,091945E+22	8,570437E+21	5,354193E+21	2,438548E+21	6,048705E+20	3,854589E+19	3,856334E+19	6,050302E+20	2,438825E+21
703	5,354440E+21	8,570391E+21	1,091895E+22	1,091905E+22	8,570575E+21	5,354575E+21	2,438884E+21	6,050441E+20	3,856615E+19	3,855107E+19	6,048950E+20	2,438575E+21
704	5,354190E+21	8,570391E+21	1,091934E+22	1,091939E+22	8,570647E+21	5,354470E+21	2,438736E+21	6,049931E+20	3,857473E+19	3,858027E+19	6,050426E+20	2,438846E+21
705	5,354584E+21	8,570712E+21	1,091933E+22	1,091894E+22	8,570055E+21	5,354142E+21	2,438677E+21	6,050033E+20	3,858145E+19	3,858866E+19	6,050738E+20	2,438783E+21
706	5,354232E+21	8,569934E+21	1,091846E+22	1,091873E+22	8,570313E+21	5,354444E+21	2,438963E+21	6,052098E+20	3,862519E+19	3,861277E+19	6,050720E+20	2,438689E+21
707	5,354145E+21	8,570081E+21	1,091863E+22	1,091866E+22	8,570114E+21	5,354144E+21	2,438708E+21	6,051294E+20	3,863637E+19	3,865439E+19	6,053050E+20	2,439053E+21
708	5,354416E+21	8,570002E+21	1,091807E+22	1,091775E+22	8,569569E+21	5,354152E+21	2,438914E+21	6,052725E+20	3,866554E+19	3,866669E+19	6,052811E+20	2,438882E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
709	5,353978E+21	8,569280E+21	1,091752E+22	1,091778E+22	8,569774E+21	5,354337E+21	2,439093E+21	6,054110E+20	3,869938E+19	3,869517E+19	6,053304E+20	2,438917E+21
710	5,354189E+21	8,569720E+21	1,091770E+22	1,091751E+22	8,569300E+21	5,353870E+21	2,438817E+21	6,053264E+20	3,870432E+19	3,872064E+19	6,054980E+20	2,439114E+21
711	5,354134E+21	8,569261E+21	1,091689E+22	1,091680E+22	8,569168E+21	5,354138E+21	2,439154E+21	6,055293E+20	3,873437E+19	3,872338E+19	6,053972E+20	2,438851E+21
712	5,353718E+21	8,568875E+21	1,091692E+22	1,091718E+22	8,569434E+21	5,354176E+21	2,439090E+21	6,055147E+20	3,874480E+19	3,874235E+19	6,054994E+20	2,439074E+21
713	5,354138E+21	8,569356E+21	1,091710E+22	1,091688E+22	8,568932E+21	5,353808E+21	2,438912E+21	6,054289E+20	3,873190E+19	3,874113E+19	6,055379E+20	2,439119E+21
714	5,354012E+21	8,568881E+21	1,091648E+22	1,091674E+22	8,569251E+21	5,354189E+21	2,439181E+21	6,055468E+20	3,873620E+19	3,872196E+19	6,053879E+20	2,438887E+21
715	5,353920E+21	8,569272E+21	1,091727E+22	1,091731E+22	8,569403E+21	5,354031E+21	2,438905E+21	6,053744E+20	3,871313E+19	3,871953E+19	6,054730E+20	2,439147E+21
716	5,354356E+21	8,569725E+21	1,091754E+22	1,091717E+22	8,569118E+21	5,353963E+21	2,438921E+21	6,053330E+20	3,868623E+19	3,868909E+19	6,053409E+20	2,438910E+21
717	5,353984E+21	8,569284E+21	1,091751E+22	1,091783E+22	8,569779E+21	5,354301E+21	2,439068E+21	6,053758E+20	3,868012E+19	3,866337E+19	6,052149E+20	2,438771E+21
718	5,354109E+21	8,569916E+21	1,091828E+22	1,091827E+22	8,569832E+21	5,354019E+21	2,438704E+21	6,051595E+20	3,864680E+19	3,866045E+19	6,053121E+20	2,439002E+21
719	5,354267E+21	8,569811E+21	1,091798E+22	1,091790E+22	8,569783E+21	5,354279E+21	2,438931E+21	6,052257E+20	3,863711E+19	3,862922E+19	6,051401E+20	2,438741E+21
720	5,353972E+21	8,569550E+21	1,091811E+22	1,091847E+22	8,570233E+21	5,354470E+21	2,438959E+21	6,052192E+20	3,863884E+19	3,863120E+19	6,051551E+20	2,438843E+21
721	5,354375E+21	8,570236E+21	1,091861E+22	1,091843E+22	8,569810E+21	5,354033E+21	2,438692E+21	6,050845E+20	3,861619E+19	3,863164E+19	6,052252E+20	2,438945E+21
722	5,354327E+21	8,569886E+21	1,091800E+22	1,091802E+22	8,569887E+21	5,354315E+21	2,438970E+21	6,052485E+20	3,863856E+19	3,862377E+19	6,051045E+20	2,438684E+21
723	5,354015E+21	8,569845E+21	1,091839E+22	1,091843E+22	8,570027E+21	5,354237E+21	2,438827E+21	6,051981E+20	3,864768E+19	3,865556E+19	6,052649E+20	2,438963E+21
724	5,354362E+21	8,570055E+21	1,091827E+22	1,091793E+22	8,569470E+21	5,353967E+21	2,438787E+21	6,052149E+20	3,865723E+19	3,866696E+19	6,053127E+20	2,438942E+21
725	5,354055E+21	8,569298E+21	1,091740E+22	1,091771E+22	8,569732E+21	5,354293E+21	2,439089E+21	6,054199E+20	3,869876E+19	3,868801E+19	6,052945E+20	2,438828E+21
726	5,353996E+21	8,569504E+21	1,091758E+22	1,091761E+22	8,569518E+21	5,353993E+21	2,438844E+21	6,053422E+20	3,870913E+19	3,872766E+19	6,055180E+20	2,439164E+21
727	5,354212E+21	8,569340E+21	1,091692E+22	1,091663E+22	8,568921E+21	5,353983E+21	2,439066E+21	6,055049E+20	3,874216E+19	3,874083E+19	6,054896E+20	2,438988E+21
728	5,353796E+21	8,568685E+21	1,091640E+22	1,091666E+22	8,569170E+21	5,354204E+21	2,439258E+21	6,056523E+20	3,877863E+19	3,877093E+19	6,055390E+20	2,438992E+21
729	5,353910E+21	8,569039E+21	1,091665E+22	1,091649E+22	8,568684E+21	5,353694E+21	2,438970E+21	6,055680E+20	3,878399E+19	3,879669E+19	6,057154E+20	2,439242E+21
730	5,353941E+21	8,568568E+21	1,091573E+22	1,091571E+22	8,568532E+21	5,353910E+21	2,439241E+21	6,057381E+20	3,880959E+19	3,879956E+19	6,056249E+20	2,439009E+21
731	5,353586E+21	8,568291E+21	1,091584E+22	1,091610E+22	8,568805E+21	5,353978E+21	2,439186E+21	6,057046E+20	3,881323E+19	3,881352E+19	6,057153E+20	2,439228E+21
732	5,354033E+21	8,568844E+21	1,091613E+22	1,091587E+22	8,568327E+21	5,353629E+21	2,439011E+21	6,056106E+20	3,879610E+19	3,880774E+19	6,057374E+20	2,439260E+21
733	5,353926E+21	8,568492E+21	1,091572E+22	1,091589E+22	8,568703E+21	5,354005E+21	2,439266E+21	6,057145E+20	3,879485E+19	3,878067E+19	6,055525E+20	2,438963E+21
734	5,353773E+21	8,568871E+21	1,091658E+22	1,091658E+22	8,568934E+21	5,353877E+21	2,438996E+21	6,055397E+20	3,876998E+19	3,877586E+19	6,056293E+20	2,439190E+21
735	5,354100E+21	8,569123E+21	1,091668E+22	1,091643E+22	8,568699E+21	5,353831E+21	2,439025E+21	6,055105E+20	3,874621E+19	3,874747E+19	6,055074E+20	2,438989E+21
736	5,353787E+21	8,568704E+21	1,091651E+22	1,091695E+22	8,569394E+21	5,354248E+21	2,439199E+21	6,055617E+20	3,874334E+19	3,872539E+19	6,053931E+20	2,438860E+21
737	5,353892E+21	8,569303E+21	1,091730E+22	1,091734E+22	8,569345E+21	5,353929E+21	2,438850E+21	6,053518E+20	3,871003E+19	3,872263E+19	6,054954E+20	2,439141E+21
738	5,354183E+21	8,569290E+21	1,091696E+22	1,091687E+22	8,569169E+21	5,354071E+21	2,439018E+21	6,054048E+20	3,870028E+19	3,869359E+19	6,053329E+20	2,438878E+21
739	5,353900E+21	8,569133E+21	1,091720E+22	1,091745E+22	8,569578E+21	5,354253E+21	2,439056E+21	6,054029E+20	3,870242E+19	3,869690E+19	6,053485E+20	2,438955E+21
740	5,354230E+21	8,569766E+21	1,091775E+22	1,091749E+22	8,569186E+21	5,353820E+21	2,438794E+21	6,052809E+20	3,868437E+19	3,870097E+19	6,054324E+20	2,439069E+21
741	5,354154E+21	8,569382E+21	1,091717E+22	1,091717E+22	8,569322E+21	5,354090E+21	2,439051E+21	6,054444E+20	3,870878E+19	3,869493E+19	6,053129E+20	2,438798E+21
742	5,353816E+21	8,569246E+21	1,091742E+22	1,091751E+22	8,569518E+21	5,354083E+21	2,438934E+21	6,053999E+20	3,871957E+19	3,872896E+19	6,054814E+20	2,439083E+21
743	5,354139E+21	8,569336E+21	1,091710E+22	1,091687E+22	8,568906E+21	5,353830E+21	2,438931E+21	6,054385E+20	3,873413E+19	3,874338E+19	6,055356E+20	2,439085E+21
744	5,353913E+21	8,568692E+21	1,091619E+22	1,091651E+22	8,569135E+21	5,354186E+21	2,439268E+21	6,056636E+20	3,877945E+19	3,876679E+19	6,055130E+20	2,438927E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
745	5,353765E+21	8,568862E+21	1,091648E+22	1,091648E+22	8,568861E+21	5,353842E+21	2,439029E+21	6,055967E+20	3,879114E+19	3,880541E+19	6,057326E+20	2,439272E+21
746	5,354011E+21	8,568674E+21	1,091577E+22	1,091549E+22	8,568206E+21	5,353727E+21	2,439183E+21	6,057414E+20	3,882366E+19	3,882139E+19	6,057201E+20	2,439104E+21
747	5,353572E+21	8,568017E+21	1,091527E+22	1,091554E+22	8,568493E+21	5,353968E+21	2,439367E+21	6,058741E+20	3,885641E+19	3,885021E+19	6,057757E+20	2,439132E+21
748	5,353688E+21	8,568331E+21	1,091550E+22	1,091538E+22	8,568057E+21	5,353504E+21	2,439077E+21	6,057762E+20	3,885861E+19	3,887388E+19	6,059528E+20	2,439417E+21
749	5,353807E+21	8,568001E+21	1,091474E+22	1,091469E+22	8,567921E+21	5,353712E+21	2,439328E+21	6,059202E+20	3,887574E+19	3,886837E+19	6,058313E+20	2,439157E+21
750	5,353501E+21	8,567843E+21	1,091496E+22	1,091517E+22	8,568255E+21	5,353808E+21	2,439279E+21	6,058782E+20	3,887438E+19	3,887546E+19	6,058937E+20	2,439325E+21
751	5,353886E+21	8,568348E+21	1,091524E+22	1,091498E+22	8,567815E+21	5,353486E+21	2,439128E+21	6,057957E+20	3,885775E+19	3,886756E+19	6,059032E+20	2,439339E+21
752	5,353779E+21	8,568045E+21	1,091488E+22	1,091506E+22	8,568267E+21	5,353908E+21	2,439402E+21	6,059094E+20	3,885876E+19	3,884125E+19	6,057165E+20	2,439010E+21
753	5,353515E+21	8,568289E+21	1,091575E+22	1,091582E+22	8,568514E+21	5,353771E+21	2,439132E+21	6,057374E+20	3,883446E+19	3,883713E+19	6,058025E+20	2,439290E+21
754	5,353917E+21	8,568491E+21	1,091566E+22	1,091551E+22	8,568204E+21	5,353666E+21	2,439109E+21	6,056860E+20	3,880895E+19	3,881179E+19	6,057017E+20	2,439127E+21
755	5,353677E+21	8,568189E+21	1,091553E+22	1,091593E+22	8,568807E+21	5,354081E+21	2,439298E+21	6,057318E+20	3,880369E+19	3,878909E+19	6,055889E+20	2,439005E+21
756	5,353798E+21	8,568823E+21	1,091636E+22	1,091633E+22	8,568728E+21	5,353742E+21	2,438950E+21	6,055290E+20	3,877156E+19	3,878629E+19	6,056857E+20	2,439270E+21
757	5,354087E+21	8,568912E+21	1,091621E+22	1,091598E+22	8,568568E+21	5,353846E+21	2,439092E+21	6,055766E+20	3,876131E+19	3,875507E+19	6,055081E+20	2,438967E+21
758	5,353753E+21	8,568710E+21	1,091648E+22	1,091666E+22	8,569046E+21	5,354042E+21	2,439134E+21	6,055843E+20	3,876609E+19	3,876044E+19	6,055261E+20	2,439017E+21
759	5,353972E+21	8,569116E+21	1,091678E+22	1,091663E+22	8,568714E+21	5,353668E+21	2,438907E+21	6,054862E+20	3,875480E+19	3,876967E+19	6,056293E+20	2,439173E+21
760	5,353951E+21	8,568739E+21	1,091606E+22	1,091618E+22	8,568878E+21	5,354018E+21	2,439206E+21	6,056657E+20	3,878408E+19	3,876906E+19	6,055243E+20	2,438907E+21
761	5,353582E+21	8,568551E+21	1,091631E+22	1,091647E+22	8,568974E+21	5,353982E+21	2,439114E+21	6,056365E+20	3,879686E+19	3,880408E+19	6,056962E+20	2,439224E+21
762	5,353989E+21	8,568677E+21	1,091589E+22	1,091568E+22	8,568238E+21	5,353629E+21	2,439063E+21	6,056675E+20	3,881289E+19	3,882245E+19	6,057652E+20	2,439224E+21
763	5,353763E+21	8,568130E+21	1,091509E+22	1,091529E+22	8,568391E+21	5,353971E+21	2,439407E+21	6,058930E+20	3,885768E+19	3,884666E+19	6,057464E+20	2,439055E+21
764	5,353549E+21	8,568204E+21	1,091539E+22	1,091534E+22	8,568151E+21	5,353607E+21	2,439153E+21	6,058291E+20	3,887132E+19	3,888626E+19	6,059721E+20	2,439412E+21
765	5,353801E+21	8,568044E+21	1,091475E+22	1,091444E+22	8,567559E+21	5,353475E+21	2,439265E+21	6,059523E+20	3,890001E+19	3,889971E+19	6,059550E+20	2,439259E+21
766	5,353408E+21	8,567395E+21	1,091420E+22	1,091449E+22	8,567892E+21	5,353763E+21	2,439454E+21	6,060714E+20	3,892820E+19	3,892408E+19	6,059972E+20	2,439280E+21
767	5,353530E+21	8,567686E+21	1,091437E+22	1,091430E+22	8,567469E+21	5,353348E+21	2,439202E+21	6,059815E+20	3,892948E+19	3,894462E+19	6,061601E+20	2,439566E+21
768	5,353730E+21	8,567529E+21	1,091374E+22	1,091366E+22	8,567385E+21	5,353592E+21	2,439471E+21	6,061282E+20	3,894528E+19	3,893597E+19	6,060157E+20	2,439239E+21
769	5,353319E+21	8,567349E+21	1,091414E+22	1,091430E+22	8,567733E+21	5,353681E+21	2,439432E+21	6,060903E+20	3,894243E+19	3,893875E+19	6,060625E+20	2,439398E+21
770	5,353699E+21	8,567791E+21	1,091434E+22	1,091412E+22	8,567301E+21	5,353299E+21	2,439225E+21	6,059884E+20	3,892397E+19	3,893266E+19	6,060842E+20	2,439413E+21
771	5,353566E+21	8,567479E+21	1,091396E+22	1,091415E+22	8,567757E+21	5,353757E+21	2,439505E+21	6,060904E+20	3,892168E+19	3,890539E+19	6,059074E+20	2,439116E+21
772	5,353301E+21	8,567641E+21	1,091476E+22	1,091490E+22	8,568023E+21	5,353644E+21	2,439238E+21	6,059129E+20	3,889585E+19	3,890042E+19	6,059944E+20	2,439422E+21
773	5,353787E+21	8,567993E+21	1,091480E+22	1,091460E+22	8,567659E+21	5,353482E+21	2,439182E+21	6,058431E+20	3,886532E+19	3,887061E+19	6,058793E+20	2,439257E+21
774	5,353601E+21	8,567777E+21	1,091472E+22	1,091503E+22	8,568258E+21	5,353892E+21	2,439372E+21	6,058905E+20	3,885942E+19	3,884564E+19	6,057516E+20	2,439093E+21
775	5,353658E+21	8,568344E+21	1,091552E+22	1,091545E+22	8,568202E+21	5,353583E+21	2,439058E+21	6,057110E+20	3,883230E+19	3,884562E+19	6,058531E+20	2,439358E+21
776	5,353945E+21	8,568449E+21	1,091538E+22	1,091514E+22	8,568099E+21	5,353707E+21	2,439213E+21	6,057785E+20	3,882951E+19	3,882049E+19	6,056882E+20	2,439034E+21
777	5,353502E+21	8,568095E+21	1,091559E+22	1,091584E+22	8,568601E+21	5,353919E+21	2,439269E+21	6,058006E+20	3,883858E+19	3,883034E+19	6,057253E+20	2,439140E+21
778	5,353787E+21	8,568424E+21	1,091564E+22	1,091558E+22	8,568178E+21	5,353506E+21	2,439016E+21	6,056968E+20	3,882999E+19	3,884611E+19	6,058556E+20	2,439325E+21
779	5,353817E+21	8,568139E+21	1,091493E+22	1,091499E+22	8,568207E+21	5,353848E+21	2,439345E+21	6,058821E+20	3,885950E+19	3,884792E+19	6,057616E+20	2,439068E+21
780	5,353436E+21	8,567928E+21	1,091518E+22	1,091529E+22	8,568281E+21	5,353788E+21	2,439254E+21	6,058633E+20	3,887425E+19	3,888317E+19	6,059274E+20	2,439358E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
781	5,353823E+21	8,568140E+21	1,091492E+22	1,091457E+22	8,567527E+21	5,353379E+21	2,439166E+21	6,058836E+20	3,888870E+19	3,889949E+19	6,059888E+20	2,439343E+21
782	5,353571E+21	8,567545E+21	1,091411E+22	1,091425E+22	8,567733E+21	5,353727E+21	2,439502E+21	6,061063E+20	3,893276E+19	3,892244E+19	6,059644E+20	2,439159E+21
783	5,353295E+21	8,567461E+21	1,091423E+22	1,091426E+22	8,567565E+21	5,353430E+21	2,439276E+21	6,060528E+20	3,894869E+19	3,896272E+19	6,061960E+20	2,439553E+21
784	5,353628E+21	8,567379E+21	1,091358E+22	1,091334E+22	8,567018E+21	5,353353E+21	2,439410E+21	6,061773E+20	3,897721E+19	3,897578E+19	6,061726E+20	2,439388E+21
785	5,353231E+21	8,566771E+21	1,091316E+22	1,091347E+22	8,567330E+21	5,353627E+21	2,439608E+21	6,062968E+20	3,900252E+19	3,899532E+19	6,061996E+20	2,439419E+21
786	5,353418E+21	8,567116E+21	1,091330E+22	1,091322E+22	8,566868E+21	5,353168E+21	2,439324E+21	6,061938E+20	3,900190E+19	3,901585E+19	6,063602E+20	2,439676E+21
787	5,353595E+21	8,567065E+21	1,091286E+22	1,091265E+22	8,566761E+21	5,353422E+21	2,439602E+21	6,063312E+20	3,901382E+19	3,900507E+19	6,062142E+20	2,439334E+21
788	5,353110E+21	8,566768E+21	1,091325E+22	1,091342E+22	8,567183E+21	5,353503E+21	2,439546E+21	6,062910E+20	3,901077E+19	3,900648E+19	6,062563E+20	2,439485E+21
789	5,353476E+21	8,567221E+21	1,091347E+22	1,091327E+22	8,566812E+21	5,353122E+21	2,439295E+21	6,061598E+20	3,898623E+19	3,899685E+19	6,062751E+20	2,439532E+21
790	5,353408E+21	8,566926E+21	1,091305E+22	1,091325E+22	8,567257E+21	5,353598E+21	2,439572E+21	6,062461E+20	3,897906E+19	3,896482E+19	6,060857E+20	2,439234E+21
791	5,353166E+21	8,567060E+21	1,091375E+22	1,091391E+22	8,567498E+21	5,353513E+21	2,439344E+21	6,060834E+20	3,895407E+19	3,895865E+19	6,061644E+20	2,439542E+21
792	5,353718E+21	8,567565E+21	1,091392E+22	1,091369E+22	8,567166E+21	5,353358E+21	2,439301E+21	6,060252E+20	3,892592E+19	3,892903E+19	6,060395E+20	2,439328E+21
793	5,353446E+21	8,567334E+21	1,091399E+22	1,091425E+22	8,567756E+21	5,353736E+21	2,439492E+21	6,060851E+20	3,892304E+19	3,890527E+19	6,059152E+20	2,439175E+21
794	5,353486E+21	8,567790E+21	1,091463E+22	1,091459E+22	8,567688E+21	5,353394E+21	2,439150E+21	6,059052E+20	3,889961E+19	3,891236E+19	6,060432E+20	2,439450E+21
795	5,353755E+21	8,567887E+21	1,091446E+22	1,091420E+22	8,567560E+21	5,353558E+21	2,439321E+21	6,059702E+20	3,889810E+19	3,889179E+19	6,059033E+20	2,439165E+21
796	5,353309E+21	8,567432E+21	1,091452E+22	1,091482E+22	8,568052E+21	5,353783E+21	2,439391E+21	6,060004E+20	3,890901E+19	3,890355E+19	6,059430E+20	2,439276E+21
797	5,353643E+21	8,567878E+21	1,091464E+22	1,091453E+22	8,567574E+21	5,353322E+21	2,439114E+21	6,058889E+20	3,889872E+19	3,891762E+19	6,060680E+20	2,439465E+21
798	5,353706E+21	8,567630E+21	1,091397E+22	1,091392E+22	8,567561E+21	5,353648E+21	2,439448E+21	6,060819E+20	3,892910E+19	3,891861E+19	6,059651E+20	2,439175E+21
799	5,353250E+21	8,567302E+21	1,091412E+22	1,091420E+22	8,567644E+21	5,353612E+21	2,439396E+21	6,060895E+20	3,894935E+19	3,895666E+19	6,061369E+20	2,439466E+21
800	5,353626E+21	8,567510E+21	1,091387E+22	1,091355E+22	8,566949E+21	5,353205E+21	2,439312E+21	6,061254E+20	3,896973E+19	3,897758E+19	6,062095E+20	2,439446E+21
801	5,353314E+21	8,566822E+21	1,091302E+22	1,091324E+22	8,567162E+21	5,353560E+21	2,439642E+21	6,063481E+20	3,901458E+19	3,900172E+19	6,061951E+20	2,439316E+21
802	5,353123E+21	8,566730E+21	1,091297E+22	1,091305E+22	8,566913E+21	5,353243E+21	2,439401E+21	6,062838E+20	3,903022E+19	3,904445E+19	6,064361E+20	2,439718E+21
803	5,353517E+21	8,566809E+21	1,091246E+22	1,091212E+22	8,566294E+21	5,353166E+21	2,439550E+21	6,064010E+20	3,905525E+19	3,905590E+19	6,064068E+20	2,439535E+21
804	5,353091E+21	8,566202E+21	1,091212E+22	1,091238E+22	8,566680E+21	5,353441E+21	2,439740E+21	6,065190E+20	3,907846E+19	3,907091E+19	6,064117E+20	2,439519E+21
805	5,353245E+21	8,566635E+21	1,091245E+22	1,091227E+22	8,566266E+21	5,352956E+21	2,439416E+21	6,063931E+20	3,907216E+19	3,908616E+19	6,065575E+20	2,439762E+21
806	5,353382E+21	8,566495E+21	1,091199E+22	1,091180E+22	8,566237E+21	5,353233E+21	2,439682E+21	6,065141E+20	3,907853E+19	3,907007E+19	6,063996E+20	2,439414E+21
807	5,352860E+21	8,566057E+21	1,091220E+22	1,091251E+22	8,566730E+21	5,353396E+21	2,439659E+21	6,064737E+20	3,907378E+19	3,906913E+19	6,064411E+20	2,439597E+21
808	5,353310E+21	8,566606E+21	1,091245E+22	1,091235E+22	8,566357E+21	5,353031E+21	2,439420E+21	6,063412E+20	3,904763E+19	3,905763E+19	6,064503E+20	2,439635E+21
809	5,353261E+21	8,566395E+21	1,091216E+22	1,091236E+22	8,566749E+21	5,353472E+21	2,439692E+21	6,064259E+20	3,903844E+19	3,902197E+19	6,062515E+20	2,439355E+21
810	5,353088E+21	8,566595E+21	1,091281E+22	1,091293E+22	8,566923E+21	5,353341E+21	2,439441E+21	6,062614E+20	3,901509E+19	3,901908E+19	6,063355E+20	2,439638E+21
811	5,353619E+21	8,567184E+21	1,091316E+22	1,091278E+22	8,566561E+21	5,353177E+21	2,439404E+21	6,062051E+20	3,898830E+19	3,899233E+19	6,062245E+20	2,439425E+21
812	5,353276E+21	8,566817E+21	1,091318E+22	1,091345E+22	8,567247E+21	5,353551E+21	2,439580E+21	6,062722E+20	3,898906E+19	3,897186E+19	6,061085E+20	2,439274E+21
813	5,353306E+21	8,567272E+21	1,091378E+22	1,091374E+22	8,567202E+21	5,353221E+21	2,439217E+21	6,060784E+20	3,896386E+19	3,897957E+19	6,062451E+20	2,439583E+21
814	5,353618E+21	8,567344E+21	1,091353E+22	1,091327E+22	8,567026E+21	5,353400E+21	2,439403E+21	6,061437E+20	3,896168E+19	3,895809E+19	6,061015E+20	2,439293E+21
815	5,353170E+21	8,566831E+21	1,091345E+22	1,091376E+22	8,567477E+21	5,353655E+21	2,439528E+21	6,062010E+20	3,897677E+19	3,897186E+19	6,061401E+20	2,439390E+21
816	5,353504E+21	8,567338E+21	1,091365E+22	1,091352E+22	8,567006E+21	5,353188E+21	2,439268E+21	6,061131E+20	3,897258E+19	3,898870E+19	6,062619E+20	2,439539E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
817	5,353479E+21	8,567034E+21	1,091303E+22	1,091297E+22	8,566960E+21	5,353475E+21	2,439599E+21	6,063199E+20	3,900723E+19	3,899275E+19	6,061726E+20	2,439279E+21
818	5,353021E+21	8,566580E+21	1,091293E+22	1,091308E+22	8,567007E+21	5,353412E+21	2,439525E+21	6,063302E+20	3,903186E+19	3,903749E+19	6,063687E+20	2,439589E+21
819	5,353411E+21	8,566819E+21	1,091270E+22	1,091238E+22	8,566279E+21	5,353031E+21	2,439450E+21	6,063590E+20	3,905218E+19	3,906170E+19	6,064621E+20	2,439613E+21
820	5,353131E+21	8,566108E+21	1,091182E+22	1,091206E+22	8,566491E+21	5,353365E+21	2,439768E+21	6,065768E+20	3,909537E+19	3,908414E+19	6,064375E+20	2,439471E+21
821	5,352994E+21	8,566176E+21	1,091190E+22	1,091191E+22	8,566235E+21	5,353029E+21	2,439504E+21	6,064939E+20	3,910536E+19	3,912140E+19	6,066617E+20	2,439863E+21
822	5,353402E+21	8,566316E+21	1,091152E+22	1,091109E+22	8,565654E+21	5,352961E+21	2,439644E+21	6,065981E+20	3,912516E+19	3,912708E+19	6,066089E+20	2,439634E+21
823	5,352901E+21	8,565615E+21	1,091114E+22	1,091140E+22	8,566103E+21	5,353284E+21	2,439871E+21	6,067274E+20	3,914871E+19	3,913975E+19	6,066058E+20	2,439603E+21
824	5,353025E+21	8,566018E+21	1,091149E+22	1,091141E+22	8,565806E+21	5,352835E+21	2,439550E+21	6,066037E+20	3,914288E+19	3,915416E+19	6,067463E+20	2,439841E+21
825	5,353136E+21	8,565828E+21	1,091101E+22	1,091093E+22	8,565775E+21	5,353119E+21	2,439805E+21	6,067117E+20	3,914550E+19	3,913526E+19	6,065925E+20	2,439551E+21
826	5,352714E+21	8,565405E+21	1,091104E+22	1,091142E+22	8,566153E+21	5,353250E+21	2,439771E+21	6,066612E+20	3,913919E+19	3,913467E+19	6,066350E+20	2,439734E+21
827	5,353228E+21	8,566142E+21	1,091149E+22	1,091129E+22	8,565707E+21	5,352865E+21	2,439537E+21	6,065212E+20	3,910996E+19	3,912191E+19	6,066411E+20	2,439760E+21
828	5,353161E+21	8,565960E+21	1,091132E+22	1,091145E+22	8,566148E+21	5,353270E+21	2,439781E+21	6,066042E+20	3,910054E+19	3,908407E+19	6,064266E+20	2,439437E+21
829	5,352962E+21	8,566243E+21	1,091212E+22	1,091213E+22	8,566370E+21	5,353124E+21	2,439503E+21	6,064277E+20	3,907493E+19	3,907988E+19	6,065093E+20	2,439721E+21
830	5,353453E+21	8,566728E+21	1,091243E+22	1,091206E+22	8,566100E+21	5,352994E+21	2,439458E+21	6,063638E+20	3,904668E+19	3,905166E+19	6,063962E+20	2,439507E+21
831	5,353069E+21	8,566209E+21	1,091223E+22	1,091262E+22	8,566827E+21	5,353459E+21	2,439689E+21	6,064466E+20	3,905026E+19	3,903362E+19	6,062900E+20	2,439380E+21
832	5,353142E+21	8,566683E+21	1,091281E+22	1,091288E+22	8,566770E+21	5,353147E+21	2,439359E+21	6,062721E+20	3,902883E+19	3,904324E+19	6,064233E+20	2,439673E+21
833	5,353441E+21	8,566771E+21	1,091257E+22	1,091236E+22	8,566513E+21	5,353288E+21	2,439552E+21	6,063516E+20	3,902990E+19	3,902386E+19	6,062915E+20	2,439413E+21
834	5,353026E+21	8,566241E+21	1,091234E+22	1,091264E+22	8,566841E+21	5,353494E+21	2,439672E+21	6,064241E+20	3,905119E+19	3,904503E+19	6,063479E+20	2,439495E+21
835	5,353321E+21	8,566777E+21	1,091264E+22	1,091241E+22	8,566288E+21	5,352992E+21	2,439417E+21	6,063473E+20	3,905234E+19	3,906842E+19	6,064948E+20	2,439662E+21
836	5,353245E+21	8,566336E+21	1,091192E+22	1,091191E+22	8,566308E+21	5,353247E+21	2,439712E+21	6,065556E+20	3,909046E+19	3,907654E+19	6,064173E+20	2,439418E+21
837	5,352834E+21	8,565951E+21	1,091179E+22	1,091194E+22	8,566335E+21	5,353179E+21	2,439609E+21	6,065448E+20	3,911150E+19	3,912036E+19	6,066194E+20	2,439768E+21
838	5,353283E+21	8,566206E+21	1,091156E+22	1,091122E+22	8,565591E+21	5,352807E+21	2,439537E+21	6,065638E+20	3,912773E+19	3,914005E+19	6,066949E+20	2,439772E+21
839	5,353006E+21	8,565507E+21	1,091068E+22	1,091091E+22	8,565839E+21	5,353194E+21	2,439900E+21	6,067914E+20	3,916988E+19	3,915964E+19	6,066550E+20	2,439601E+21
840	5,352853E+21	8,565633E+21	1,091092E+22	1,091093E+22	8,565653E+21	5,352881E+21	2,439657E+21	6,067230E+20	3,918158E+19	3,919443E+19	6,068583E+20	2,439932E+21
841	5,353161E+21	8,565714E+21	1,091061E+22	1,091023E+22	8,565121E+21	5,352813E+21	2,439792E+21	6,068241E+20	3,919972E+19	3,919849E+19	6,068088E+20	2,439726E+21
842	5,352655E+21	8,564905E+21	1,090999E+22	1,091037E+22	8,565557E+21	5,353137E+21	2,440001E+21	6,069449E+20	3,922304E+19	3,921240E+19	6,068140E+20	2,439707E+21
843	5,352798E+21	8,565357E+21	1,091039E+22	1,091033E+22	8,565213E+21	5,352709E+21	2,439687E+21	6,068064E+20	3,921352E+19	3,922593E+19	6,069592E+20	2,439976E+21
844	5,352962E+21	8,565187E+21	1,090993E+22	1,090990E+22	8,565182E+21	5,352948E+21	2,439914E+21	6,069010E+20	3,921150E+19	3,920222E+19	6,067886E+20	2,439679E+21
845	5,352630E+21	8,564988E+21	1,091012E+22	1,091041E+22	8,565530E+21	5,353040E+21	2,439844E+21	6,068280E+20	3,919896E+19	3,919589E+19	6,068160E+20	2,439857E+21
846	5,353151E+21	8,565784E+21	1,091075E+22	1,091044E+22	8,565141E+21	5,352658E+21	2,439599E+21	6,066780E+20	3,916558E+19	3,917818E+19	6,068028E+20	2,439845E+21
847	5,353019E+21	8,565524E+21	1,091058E+22	1,091069E+22	8,565665E+21	5,353109E+21	2,439872E+21	6,067718E+20	3,915861E+19	3,914144E+19	6,065914E+20	2,439518E+21
848	5,352782E+21	8,565732E+21	1,091136E+22	1,091148E+22	8,566004E+21	5,353015E+21	2,439612E+21	6,066100E+20	3,913698E+19	3,913976E+19	6,066753E+20	2,439793E+21
849	5,353238E+21	8,566151E+21	1,091157E+22	1,091134E+22	8,565726E+21	5,352911E+21	2,439575E+21	6,065452E+20	3,910929E+19	3,911324E+19	6,065784E+20	2,439631E+21
850	5,352924E+21	8,565601E+21	1,091111E+22	1,091157E+22	8,566289E+21	5,353348E+21	2,439823E+21	6,066425E+20	3,911737E+19	3,910065E+19	6,064841E+20	2,439498E+21
851	5,353006E+21	8,566168E+21	1,091180E+22	1,091180E+22	8,566136E+21	5,353012E+21	2,439511E+21	6,064807E+20	3,909940E+19	3,911438E+19	6,066271E+20	2,439783E+21
852	5,353269E+21	8,566214E+21	1,091158E+22	1,091134E+22	8,565865E+21	5,353076E+21	2,439674E+21	6,065702E+20	3,910484E+19	3,909819E+19	6,065010E+20	2,439510E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
853	5,352845E+21	8,565720E+21	1,091136E+22	1,091159E+22	8,566160E+21	5,353243E+21	2,439764E+21	6,066346E+20	3,912599E+19	3,912138E+19	6,065723E+20	2,439621E+21
854	5,353120E+21	8,566160E+21	1,091161E+22	1,091140E+22	8,565673E+21	5,352760E+21	2,439491E+21	6,065472E+20	3,912566E+19	3,914381E+19	6,067210E+20	2,439803E+21
855	5,353050E+21	8,565650E+21	1,091075E+22	1,091080E+22	8,565698E+21	5,353073E+21	2,439822E+21	6,067601E+20	3,916468E+19	3,915322E+19	6,066470E+20	2,439576E+21
856	5,352689E+21	8,565325E+21	1,091070E+22	1,091090E+22	8,565749E+21	5,353028E+21	2,439751E+21	6,067661E+20	3,918729E+19	3,919519E+19	6,068306E+20	2,439889E+21
857	5,353125E+21	8,565635E+21	1,091054E+22	1,091023E+22	8,565018E+21	5,352659E+21	2,439684E+21	6,067898E+20	3,920374E+19	3,921411E+19	6,069054E+20	2,439895E+21
858	5,352839E+21	8,564909E+21	1,090955E+22	1,090977E+22	8,565191E+21	5,353034E+21	2,440058E+21	6,070286E+20	3,924898E+19	3,923667E+19	6,068698E+20	2,439696E+21
859	5,352626E+21	8,565030E+21	1,090991E+22	1,090988E+22	8,565004E+21	5,352721E+21	2,439824E+21	6,069642E+20	3,926256E+19	3,927372E+19	6,070825E+20	2,440034E+21
860	5,352891E+21	8,564980E+21	1,090950E+22	1,090923E+22	8,564553E+21	5,352631E+21	2,439918E+21	6,070516E+20	3,927852E+19	3,927723E+19	6,070358E+20	2,439851E+21
861	5,352470E+21	8,564288E+21	1,090886E+22	1,090925E+22	8,564932E+21	5,352941E+21	2,440092E+21	6,071390E+20	3,929386E+19	3,928573E+19	6,070374E+20	2,439871E+21
862	5,352681E+21	8,564805E+21	1,090935E+22	1,090926E+22	8,564576E+21	5,352499E+21	2,439763E+21	6,069799E+20	3,927648E+19	3,929103E+19	6,071529E+20	2,440113E+21
863	5,352864E+21	8,564705E+21	1,090898E+22	1,090891E+22	8,564589E+21	5,352764E+21	2,440006E+21	6,070728E+20	3,927175E+19	3,926312E+19	6,069643E+20	2,439787E+21
864	5,352523E+21	8,564577E+21	1,090940E+22	1,090965E+22	8,565029E+21	5,352875E+21	2,439954E+21	6,070124E+20	3,926055E+19	3,925413E+19	6,069711E+20	2,439912E+21
865	5,352957E+21	8,565310E+21	1,091004E+22	1,090979E+22	8,564748E+21	5,352528E+21	2,439707E+21	6,068604E+20	3,922666E+19	3,923649E+19	6,069670E+20	2,439924E+21
866	5,352812E+21	8,564937E+21	1,090963E+22	1,090985E+22	8,565246E+21	5,353003E+21	2,439983E+21	6,069558E+20	3,922236E+19	3,920413E+19	6,067724E+20	2,439615E+21
867	5,352592E+21	8,565164E+21	1,091042E+22	1,091054E+22	8,565506E+21	5,352930E+21	2,439752E+21	6,067983E+20	3,920206E+19	3,920569E+19	6,068663E+20	2,439904E+21
868	5,353059E+21	8,565541E+21	1,091056E+22	1,091039E+22	8,565203E+21	5,352771E+21	2,439696E+21	6,067347E+20	3,917476E+19	3,917961E+19	6,067689E+20	2,439745E+21
869	5,352823E+21	8,565170E+21	1,091015E+22	1,091051E+22	8,565661E+21	5,353147E+21	2,439912E+21	6,068224E+20	3,918159E+19	3,916739E+19	6,066818E+20	2,439623E+21
870	5,352878E+21	8,565699E+21	1,091091E+22	1,091081E+22	8,565495E+21	5,352781E+21	2,439591E+21	6,066645E+20	3,916409E+19	3,918030E+19	6,068185E+20	2,439885E+21
871	5,353084E+21	8,565651E+21	1,091064E+22	1,091039E+22	8,565275E+21	5,352868E+21	2,439773E+21	6,067686E+20	3,917474E+19	3,916870E+19	6,067099E+20	2,439634E+21
872	5,352653E+21	8,565102E+21	1,091039E+22	1,091070E+22	8,565630E+21	5,353060E+21	2,439878E+21	6,068496E+20	3,920063E+19	3,919507E+19	6,067837E+20	2,439744E+21
873	5,352922E+21	8,565508E+21	1,091055E+22	1,091042E+22	8,565143E+21	5,352619E+21	2,439621E+21	6,067635E+20	3,920115E+19	3,921900E+19	6,069450E+20	2,439963E+21
874	5,352907E+21	8,565007E+21	1,090953E+22	1,090958E+22	8,565037E+21	5,352912E+21	2,439969E+21	6,069888E+20	3,924367E+19	3,923238E+19	6,068743E+20	2,439714E+21
875	5,352543E+21	8,564774E+21	1,090962E+22	1,090972E+22	8,565053E+21	5,352868E+21	2,439923E+21	6,070098E+20	3,926950E+19	3,927638E+19	6,070557E+20	2,439994E+21
876	5,352903E+21	8,565002E+21	1,090948E+22	1,090918E+22	8,564388E+21	5,352465E+21	2,439835E+21	6,070372E+20	3,928761E+19	3,929619E+19	6,071293E+20	2,439984E+21
877	5,352616E+21	8,564311E+21	1,090849E+22	1,090869E+22	8,564546E+21	5,352815E+21	2,440172E+21	6,072552E+20	3,932851E+19	3,931700E+19	6,071041E+20	2,439822E+21
878	5,352383E+21	8,564326E+21	1,090881E+22	1,090883E+22	8,564416E+21	5,352521E+21	2,439920E+21	6,071700E+20	3,933598E+19	3,934805E+19	6,073021E+20	2,440168E+21
879	5,352685E+21	8,564274E+21	1,090833E+22	1,090813E+22	8,563968E+21	5,352470E+21	2,440031E+21	6,072453E+20	3,934720E+19	3,934804E+19	6,072498E+20	2,440007E+21
880	5,352342E+21	8,563700E+21	1,090785E+22	1,090826E+22	8,564358E+21	5,352775E+21	2,440211E+21	6,073326E+20	3,935950E+19	3,934995E+19	6,072206E+20	2,439987E+21
881	5,352566E+21	8,564333E+21	1,090848E+22	1,090837E+22	8,564061E+21	5,352354E+21	2,439877E+21	6,071646E+20	3,933865E+19	3,935167E+19	6,073270E+20	2,440221E+21
882	5,352741E+21	8,564243E+21	1,090809E+22	1,090795E+22	8,564021E+21	5,352603E+21	2,440122E+21	6,072631E+20	3,933611E+19	3,932548E+19	6,071379E+20	2,439868E+21
883	5,352352E+21	8,564115E+21	1,090863E+22	1,090882E+22	8,564525E+21	5,352737E+21	2,440079E+21	6,072099E+20	3,932770E+19	3,931939E+19	6,071529E+20	2,439995E+21
884	5,352740E+21	8,564709E+21	1,090915E+22	1,090902E+22	8,564340E+21	5,352391E+21	2,439805E+21	6,070478E+20	3,929286E+19	3,930270E+19	6,071539E+20	2,440028E+21
885	5,352672E+21	8,564429E+21	1,090866E+22	1,090887E+22	8,564717E+21	5,352842E+21	2,440064E+21	6,071221E+20	3,928379E+19	3,926870E+19	6,069692E+20	2,439760E+21
886	5,352484E+21	8,564659E+21	1,090949E+22	1,090958E+22	8,564942E+21	5,352749E+21	2,439832E+21	6,069596E+20	3,925958E+19	3,926579E+19	6,070420E+20	2,440014E+21
887	5,352934E+21	8,565063E+21	1,090966E+22	1,090942E+22	8,564627E+21	5,352593E+21	2,439794E+21	6,069080E+20	3,923500E+19	3,924126E+19	6,069477E+20	2,439844E+21
888	5,352672E+21	8,564694E+21	1,090937E+22	1,090967E+22	8,565108E+21	5,352961E+21	2,440026E+21	6,070190E+20	3,924752E+19	3,923116E+19	6,068564E+20	2,439694E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
889	5,352663E+21	8,565131E+21	1,091005E+22	1,091000E+22	8,565023E+21	5,352625E+21	2,439705E+21	6,068678E+20	3,923335E+19	3,924796E+19	6,070140E+20	2,439990E+21
890	5,352861E+21	8,564967E+21	1,090951E+22	1,090934E+22	8,564724E+21	5,352717E+21	2,439897E+21	6,069838E+20	3,925006E+19	3,924344E+19	6,069278E+20	2,439767E+21
891	5,352467E+21	8,564461E+21	1,090929E+22	1,090958E+22	8,565015E+21	5,352921E+21	2,440030E+21	6,070787E+20	3,927964E+19	3,927409E+19	6,070104E+20	2,439883E+21
892	5,352742E+21	8,564839E+21	1,090940E+22	1,090932E+22	8,564539E+21	5,352447E+21	2,439766E+21	6,069983E+20	3,928185E+19	3,929914E+19	6,071700E+20	2,440092E+21
893	5,352784E+21	8,564492E+21	1,090845E+22	1,090839E+22	8,564336E+21	5,352698E+21	2,440091E+21	6,072133E+20	3,932249E+19	3,931323E+19	6,071104E+20	2,439854E+21
894	5,352371E+21	8,564197E+21	1,090862E+22	1,090863E+22	8,564375E+21	5,352638E+21	2,440040E+21	6,072337E+20	3,934689E+19	3,935414E+19	6,072779E+20	2,440101E+21
895	5,352663E+21	8,564323E+21	1,090841E+22	1,090814E+22	8,563792E+21	5,352271E+21	2,439958E+21	6,072620E+20	3,936626E+19	3,937587E+19	6,073641E+20	2,440121E+21
896	5,352391E+21	8,563603E+21	1,090741E+22	1,090768E+22	8,563989E+21	5,352647E+21	2,440294E+21	6,074761E+20	3,940552E+19	3,939358E+19	6,073272E+20	2,439965E+21
897	5,352201E+21	8,563633E+21	1,090766E+22	1,090777E+22	8,563861E+21	5,352383E+21	2,440047E+21	6,073777E+20	3,940836E+19	3,942019E+19	6,075166E+20	2,440323E+21
898	5,352559E+21	8,563659E+21	1,090715E+22	1,090694E+22	8,563309E+21	5,352299E+21	2,440161E+21	6,074533E+20	3,941828E+19	3,941868E+19	6,074528E+20	2,440141E+21
899	5,352242E+21	8,563245E+21	1,090694E+22	1,090720E+22	8,563697E+21	5,352591E+21	2,440343E+21	6,075445E+20	3,943087E+19	3,941904E+19	6,074099E+20	2,440076E+21
900	5,352388E+21	8,563809E+21	1,090763E+22	1,090750E+22	8,563526E+21	5,352176E+21	2,439994E+21	6,073711E+20	3,940862E+19	3,941931E+19	6,075080E+20	2,440293E+21
901	5,352576E+21	8,563779E+21	1,090727E+22	1,090709E+22	8,563507E+21	5,352411E+21	2,440194E+21	6,074381E+20	3,939998E+19	3,939103E+19	6,073305E+20	2,439977E+21
902	5,352171E+21	8,563564E+21	1,090776E+22	1,090798E+22	8,564058E+21	5,352574E+21	2,440147E+21	6,073690E+20	3,938589E+19	3,937923E+19	6,073270E+20	2,440095E+21
903	5,352570E+21	8,564134E+21	1,090821E+22	1,090814E+22	8,563890E+21	5,352276E+21	2,439899E+21	6,072045E+20	3,934878E+19	3,936119E+19	6,073275E+20	2,440142E+21
904	5,352548E+21	8,563931E+21	1,090784E+22	1,090804E+22	8,564233E+21	5,352706E+21	2,440169E+21	6,072907E+20	3,934085E+19	3,932474E+19	6,071273E+20	2,439849E+21
905	5,352352E+21	8,564180E+21	1,090867E+22	1,090874E+22	8,564473E+21	5,352626E+21	2,439947E+21	6,071366E+20	3,931842E+19	3,932336E+19	6,072052E+20	2,440093E+21
906	5,352758E+21	8,564530E+21	1,090875E+22	1,090846E+22	8,564058E+21	5,352436E+21	2,439921E+21	6,071089E+20	3,930188E+19	3,930617E+19	6,071326E+20	2,439936E+21
907	5,352480E+21	8,564143E+21	1,090848E+22	1,090874E+22	8,564544E+21	5,352793E+21	2,440153E+21	6,072376E+20	3,932220E+19	3,930438E+19	6,070646E+20	2,439803E+21
908	5,352443E+21	8,564448E+21	1,090899E+22	1,090903E+22	8,564511E+21	5,352472E+21	2,439826E+21	6,070874E+20	3,931059E+19	3,932531E+19	6,072361E+20	2,440133E+21
909	5,352746E+21	8,564401E+21	1,090840E+22	1,090816E+22	8,564065E+21	5,352513E+21	2,439991E+21	6,071866E+20	3,932521E+19	3,932239E+19	6,071667E+20	2,439944E+21
910	5,352369E+21	8,563912E+21	1,090824E+22	1,090845E+22	8,564336E+21	5,352693E+21	2,440128E+21	6,072830E+20	3,935258E+19	3,934951E+19	6,072278E+20	2,440013E+21
911	5,352598E+21	8,564282E+21	1,090837E+22	1,090823E+22	8,563903E+21	5,352253E+21	2,439888E+21	6,072164E+20	3,935801E+19	3,937641E+19	6,073913E+20	2,440209E+21
912	5,352583E+21	8,563891E+21	1,090753E+22	1,090743E+22	8,563731E+21	5,352506E+21	2,440228E+21	6,074465E+20	3,940137E+19	3,939054E+19	6,073270E+20	2,439954E+21
913	5,352125E+21	8,563493E+21	1,090756E+22	1,090768E+22	8,563863E+21	5,352495E+21	2,440178E+21	6,074626E+20	3,942510E+19	3,943116E+19	6,075016E+20	2,440218E+21
914	5,352408E+21	8,563547E+21	1,090714E+22	1,090694E+22	8,563172E+21	5,352131E+21	2,440107E+21	6,074941E+20	3,944597E+19	3,945502E+19	6,075954E+20	2,440267E+21
915	5,352208E+21	8,562926E+21	1,090623E+22	1,090646E+22	8,563317E+21	5,352496E+21	2,440447E+21	6,077064E+20	3,948413E+19	3,947127E+19	6,075488E+20	2,440103E+21
916	5,352049E+21	8,562999E+21	1,090653E+22	1,090664E+22	8,563233E+21	5,352203E+21	2,440178E+21	6,075979E+20	3,948376E+19	3,949392E+19	6,077195E+20	2,440442E+21
917	5,352474E+21	8,563212E+21	1,090617E+22	1,090582E+22	8,562615E+21	5,352066E+21	2,440250E+21	6,076480E+20	3,948766E+19	3,948930E+19	6,076570E+20	2,440263E+21
918	5,352111E+21	8,562785E+21	1,090613E+22	1,090631E+22	8,563098E+21	5,352353E+21	2,440420E+21	6,077279E+20	3,949545E+19	3,948343E+19	6,075922E+20	2,440163E+21
919	5,352197E+21	8,563266E+21	1,090679E+22	1,090671E+22	8,563074E+21	5,352016E+21	2,440080E+21	6,075503E+20	3,947239E+19	3,948413E+19	6,076973E+20	2,440398E+21
920	5,352381E+21	8,563204E+21	1,090646E+22	1,090634E+22	8,563089E+21	5,352293E+21	2,440288E+21	6,076098E+20	3,946076E+19	3,945184E+19	6,075077E+20	2,440087E+21
921	5,352025E+21	8,563004E+21	1,090685E+22	1,090715E+22	8,563640E+21	5,352490E+21	2,440257E+21	6,075341E+20	3,944345E+19	3,943711E+19	6,074951E+20	2,440191E+21
922	5,352423E+21	8,563588E+21	1,090721E+22	1,090712E+22	8,563342E+21	5,352157E+21	2,440025E+21	6,073860E+20	3,940953E+19	3,942119E+19	6,074953E+20	2,440230E+21
923	5,352411E+21	8,563475E+21	1,090701E+22	1,090709E+22	8,563651E+21	5,352561E+21	2,440299E+21	6,074908E+20	3,940757E+19	3,938888E+19	6,073019E+20	2,439920E+21
924	5,352153E+21	8,563610E+21	1,090776E+22	1,090787E+22	8,563958E+21	5,352466E+21	2,440069E+21	6,073451E+20	3,938870E+19	3,939152E+19	6,073910E+20	2,440178E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
925	5,352592E+21	8,563986E+21	1,090779E+22	1,090749E+22	8,563484E+21	5,352231E+21	2,439999E+21	6,072999E+20	3,937179E+19	3,937828E+19	6,073517E+20	2,440084E+21
926	5,352328E+21	8,563551E+21	1,090749E+22	1,090775E+22	8,563958E+21	5,352580E+21	2,440224E+21	6,074201E+20	3,938970E+19	3,937510E+19	6,072773E+20	2,439951E+21
927	5,352309E+21	8,563851E+21	1,090793E+22	1,090798E+22	8,563932E+21	5,352308E+21	2,439931E+21	6,072782E+20	3,937921E+19	3,939743E+19	6,074526E+20	2,440284E+21
928	5,352630E+21	8,563878E+21	1,090749E+22	1,090719E+22	8,563470E+21	5,352337E+21	2,440105E+21	6,073890E+20	3,939594E+19	3,939371E+19	6,073715E+20	2,440065E+21
929	5,352236E+21	8,563385E+21	1,090728E+22	1,090746E+22	8,563773E+21	5,352552E+21	2,440265E+21	6,074980E+20	3,942566E+19	3,942188E+19	6,074307E+20	2,440098E+21
930	5,352366E+21	8,563634E+21	1,090730E+22	1,090715E+22	8,563282E+21	5,352101E+21	2,440049E+21	6,074599E+20	3,943916E+19	3,945487E+19	6,076113E+20	2,440312E+21
931	5,352339E+21	8,563201E+21	1,090645E+22	1,090636E+22	8,563118E+21	5,352346E+21	2,440385E+21	6,077012E+20	3,948782E+19	3,947476E+19	6,075649E+20	2,440079E+21
932	5,351873E+21	8,562678E+21	1,090628E+22	1,090653E+22	8,563271E+21	5,352350E+21	2,440330E+21	6,077089E+20	3,951005E+19	3,951475E+19	6,077395E+20	2,440369E+21
933	5,352274E+21	8,562898E+21	1,090589E+22	1,090563E+22	8,562425E+21	5,351912E+21	2,440218E+21	6,077110E+20	3,952427E+19	3,953601E+19	6,078389E+20	2,440446E+21
934	5,352115E+21	8,562386E+21	1,090517E+22	1,090529E+22	8,562562E+21	5,352220E+21	2,440532E+21	6,079067E+20	3,955558E+19	3,954423E+19	6,077579E+20	2,440228E+21
935	5,351919E+21	8,562500E+21	1,090559E+22	1,090562E+22	8,562592E+21	5,351993E+21	2,440280E+21	6,077981E+20	3,955400E+19	3,956454E+19	6,079196E+20	2,440541E+21
936	5,352289E+21	8,562707E+21	1,090543E+22	1,090505E+22	8,562095E+21	5,351878E+21	2,440346E+21	6,078422E+20	3,955530E+19	3,955562E+19	6,078417E+20	2,440345E+21
937	5,351906E+21	8,562209E+21	1,090528E+22	1,090558E+22	8,562716E+21	5,352246E+21	2,440520E+21	6,079081E+20	3,955905E+19	3,954603E+19	6,077708E+20	2,440243E+21
938	5,351967E+21	8,562614E+21	1,090576E+22	1,090578E+22	8,562626E+21	5,351947E+21	2,440213E+21	6,077367E+20	3,953596E+19	3,954675E+19	6,078761E+20	2,440502E+21
939	5,352216E+21	8,562633E+21	1,090550E+22	1,090540E+22	8,562586E+21	5,352203E+21	2,440424E+21	6,077992E+20	3,952431E+19	3,951409E+19	6,076830E+20	2,440185E+21
940	5,351877E+21	8,562441E+21	1,090586E+22	1,090622E+22	8,563142E+21	5,352379E+21	2,440387E+21	6,077231E+20	3,950660E+19	3,949864E+19	6,076635E+20	2,440280E+21
941	5,352321E+21	8,563158E+21	1,090632E+22	1,090612E+22	8,562710E+21	5,351960E+21	2,440114E+21	6,075613E+20	3,947141E+19	3,948482E+19	6,076843E+20	2,440345E+21
942	5,352283E+21	8,563024E+21	1,090622E+22	1,090623E+22	8,563041E+21	5,352307E+21	2,440361E+21	6,076632E+20	3,946959E+19	3,945232E+19	6,074891E+20	2,440029E+21
943	5,351996E+21	8,563079E+21	1,090687E+22	1,090702E+22	8,563447E+21	5,352283E+21	2,440143E+21	6,075235E+20	3,945389E+19	3,945971E+19	6,075975E+20	2,440318E+21
944	5,352444E+21	8,563437E+21	1,090691E+22	1,090664E+22	8,562976E+21	5,352069E+21	2,440083E+21	6,074793E+20	3,943760E+19	3,944558E+19	6,075541E+20	2,440233E+21
945	5,352235E+21	8,563032E+21	1,090654E+22	1,090682E+22	8,563446E+21	5,352448E+21	2,440331E+21	6,076027E+20	3,945519E+19	3,944202E+19	6,074719E+20	2,440064E+21
946	5,352166E+21	8,563307E+21	1,090690E+22	1,090690E+22	8,563308E+21	5,352168E+21	2,440080E+21	6,074959E+20	3,945209E+19	3,946863E+19	6,076487E+20	2,440375E+21
947	5,352446E+21	8,563333E+21	1,090653E+22	1,090617E+22	8,562848E+21	5,352189E+21	2,440269E+21	6,076332E+20	3,947724E+19	3,947164E+19	6,075812E+20	2,440139E+21
948	5,351971E+21	8,562680E+21	1,090619E+22	1,090646E+22	8,563218E+21	5,352408E+21	2,440428E+21	6,077503E+20	3,951027E+19	3,950360E+19	6,076533E+20	2,440190E+21
949	5,352121E+21	8,562908E+21	1,090608E+22	1,090597E+22	8,562615E+21	5,351902E+21	2,440172E+21	6,076950E+20	3,952290E+19	3,953972E+19	6,078631E+20	2,440468E+21
950	5,352134E+21	8,562470E+21	1,090523E+22	1,090517E+22	8,562407E+21	5,352112E+21	2,440492E+21	6,079190E+20	3,956611E+19	3,955551E+19	6,078046E+20	2,440242E+21
951	5,351721E+21	8,562009E+21	1,090505E+22	1,090531E+22	8,562572E+21	5,352143E+21	2,440446E+21	6,079233E+20	3,958616E+19	3,959306E+19	6,079721E+20	2,440526E+21
952	5,352140E+21	8,562346E+21	1,090490E+22	1,090458E+22	8,561756E+21	5,351695E+21	2,440324E+21	6,079188E+20	3,959709E+19	3,960888E+19	6,080491E+20	2,440576E+21
953	5,351994E+21	8,561898E+21	1,090426E+22	1,090434E+22	8,561984E+21	5,352042E+21	2,440638E+21	6,081048E+20	3,962508E+19	3,961309E+19	6,079520E+20	2,440312E+21
954	5,351705E+21	8,561923E+21	1,090465E+22	1,090468E+22	8,562033E+21	5,351844E+21	2,440418E+21	6,080152E+20	3,962714E+19	3,963497E+19	6,081166E+20	2,440635E+21
955	5,352072E+21	8,562099E+21	1,090449E+22	1,090419E+22	8,561636E+21	5,351770E+21	2,440478E+21	6,080565E+20	3,962901E+19	3,962759E+19	6,080436E+20	2,440450E+21
956	5,351699E+21	8,561534E+21	1,090419E+22	1,090464E+22	8,562272E+21	5,352167E+21	2,440657E+21	6,081082E+20	3,962828E+19	3,961419E+19	6,079635E+20	2,440363E+21
957	5,351852E+21	8,562073E+21	1,090470E+22	1,090469E+22	8,562011E+21	5,351785E+21	2,440316E+21	6,079135E+20	3,959911E+19	3,961225E+19	6,080708E+20	2,440638E+21
958	5,352125E+21	8,562185E+21	1,090462E+22	1,090443E+22	8,561935E+21	5,351966E+21	2,440500E+21	6,079635E+20	3,958252E+19	3,957413E+19	6,078570E+20	2,440287E+21
959	5,351757E+21	8,561999E+21	1,090502E+22	1,090532E+22	8,562562E+21	5,352186E+21	2,440474E+21	6,078943E+20	3,956665E+19	3,956009E+19	6,078424E+20	2,440372E+21
960	5,352144E+21	8,562696E+21	1,090563E+22	1,090540E+22	8,562213E+21	5,351769E+21	2,440189E+21	6,077317E+20	3,953174E+19	3,954544E+19	6,078627E+20	2,440449E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
961	5,352129E+21	8,562522E+21	1,090539E+22	1,090546E+22	8,562618E+21	5,352169E+21	2,440435E+21	6,078263E+20	3,952989E+19	3,951334E+19	6,076681E+20	2,440126E+21
962	5,351810E+21	8,562494E+21	1,090588E+22	1,090607E+22	8,562943E+21	5,352182E+21	2,440274E+21	6,077143E+20	3,951912E+19	3,952425E+19	6,077822E+20	2,440432E+21
963	5,352306E+21	8,562907E+21	1,090595E+22	1,090570E+22	8,562457E+21	5,351953E+21	2,440221E+21	6,076871E+20	3,950843E+19	3,951423E+19	6,077428E+20	2,440328E+21
964	5,352067E+21	8,562455E+21	1,090550E+22	1,090583E+22	8,562912E+21	5,352334E+21	2,440488E+21	6,078248E+20	3,952940E+19	3,951375E+19	6,076650E+20	2,440151E+21
965	5,351994E+21	8,562754E+21	1,090587E+22	1,090580E+22	8,562636E+21	5,351981E+21	2,440215E+21	6,077199E+20	3,952923E+19	3,954570E+19	6,078695E+20	2,440487E+21
966	5,352230E+21	8,562711E+21	1,090552E+22	1,090516E+22	8,562172E+21	5,351935E+21	2,440380E+21	6,078585E+20	3,955630E+19	3,955168E+19	6,078150E+20	2,440268E+21
967	5,351744E+21	8,561963E+21	1,090499E+22	1,090535E+22	8,562602E+21	5,352222E+21	2,440547E+21	6,079764E+20	3,959125E+19	3,958749E+19	6,079060E+20	2,440355E+21
968	5,351917E+21	8,562211E+21	1,090494E+22	1,090485E+22	8,561961E+21	5,351705E+21	2,440284E+21	6,079118E+20	3,960131E+19	3,962005E+19	6,081053E+20	2,440648E+21
969	5,352026E+21	8,561872E+21	1,090408E+22	1,090401E+22	8,561738E+21	5,351910E+21	2,440596E+21	6,081230E+20	3,964021E+19	3,963134E+19	6,080245E+20	2,440375E+21
970	5,351575E+21	8,561440E+21	1,090395E+22	1,090413E+22	8,561859E+21	5,351949E+21	2,440590E+21	6,081517E+20	3,966341E+19	3,966813E+19	6,081807E+20	2,440636E+21
971	5,351970E+21	8,561809E+21	1,090394E+22	1,090359E+22	8,561157E+21	5,351524E+21	2,440468E+21	6,081564E+20	3,967746E+19	3,968571E+19	6,082553E+20	2,440658E+21
972	5,351755E+21	8,561257E+21	1,090326E+22	1,090344E+22	8,561502E+21	5,351917E+21	2,440784E+21	6,083338E+20	3,970300E+19	3,968826E+19	6,081587E+20	2,440410E+21
973	5,351499E+21	8,561283E+21	1,090357E+22	1,090364E+22	8,561468E+21	5,351697E+21	2,440536E+21	6,082198E+20	3,970007E+19	3,970878E+19	6,083341E+20	2,440773E+21
974	5,351901E+21	8,561485E+21	1,090346E+22	1,090321E+22	8,561052E+21	5,351585E+21	2,440576E+21	6,082351E+20	3,969306E+19	3,969463E+19	6,082422E+20	2,440584E+21
975	5,351577E+21	8,560996E+21	1,090316E+22	1,090363E+22	8,561708E+21	5,352009E+21	2,440756E+21	6,082790E+20	3,968889E+19	3,967728E+19	6,081510E+20	2,440481E+21
976	5,351719E+21	8,561624E+21	1,090389E+22	1,090381E+22	8,561451E+21	5,351604E+21	2,440402E+21	6,080783E+20	3,965648E+19	3,966986E+19	6,082363E+20	2,440735E+21
977	5,352011E+21	8,561783E+21	1,090388E+22	1,090365E+22	8,561432E+21	5,351790E+21	2,440579E+21	6,081230E+20	3,963870E+19	3,962975E+19	6,080147E+20	2,440353E+21
978	5,351565E+21	8,561502E+21	1,090421E+22	1,090450E+22	8,562051E+21	5,352025E+21	2,440587E+21	6,080837E+20	3,963011E+19	3,962099E+19	6,080151E+20	2,440463E+21
979	5,351955E+21	8,562141E+21	1,090474E+22	1,090461E+22	8,561798E+21	5,351662E+21	2,440307E+21	6,079301E+20	3,960021E+19	3,961165E+19	6,080495E+20	2,440556E+21
980	5,351956E+21	8,561929E+21	1,090438E+22	1,090456E+22	8,562179E+21	5,352083E+21	2,440565E+21	6,080205E+20	3,959803E+19	3,958071E+19	6,078590E+20	2,440251E+21
981	5,351708E+21	8,561980E+21	1,090485E+22	1,090497E+22	8,562305E+21	5,352006E+21	2,440389E+21	6,079090E+20	3,958789E+19	3,959449E+19	6,079841E+20	2,440556E+21
982	5,352179E+21	8,562418E+21	1,090502E+22	1,090471E+22	8,561798E+21	5,351718E+21	2,440323E+21	6,078845E+20	3,957794E+19	3,958507E+19	6,079432E+20	2,440428E+21
983	5,351885E+21	8,561905E+21	1,090452E+22	1,090482E+22	8,562301E+21	5,352141E+21	2,440607E+21	6,080390E+20	3,960423E+19	3,959025E+19	6,078858E+20	2,440254E+21
984	5,351730E+21	8,562108E+21	1,090492E+22	1,090487E+22	8,562063E+21	5,351783E+21	2,440326E+21	6,079363E+20	3,960561E+19	3,962267E+19	6,080954E+20	2,440618E+21
985	5,352019E+21	8,562029E+21	1,090440E+22	1,090413E+22	8,561618E+21	5,351767E+21	2,440486E+21	6,080646E+20	3,963144E+19	3,962865E+19	6,080439E+20	2,440407E+21
986	5,351538E+21	8,561251E+21	1,090375E+22	1,090412E+22	8,561923E+21	5,352060E+21	2,440699E+21	6,082048E+20	3,966926E+19	3,966546E+19	6,081345E+20	2,440513E+21
987	5,351775E+21	8,561589E+21	1,090377E+22	1,090369E+22	8,561319E+21	5,351539E+21	2,440433E+21	6,081494E+20	3,968251E+19	3,969917E+19	6,083262E+20	2,440778E+21
988	5,351874E+21	8,561290E+21	1,090297E+22	1,090289E+22	8,561112E+21	5,351749E+21	2,440744E+21	6,083566E+20	3,972008E+19	3,970927E+19	6,082385E+20	2,440491E+21
989	5,351426E+21	8,560896E+21	1,090292E+22	1,090301E+22	8,561148E+21	5,351723E+21	2,440717E+21	6,083822E+20	3,974338E+19	3,974724E+19	6,084060E+20	2,440758E+21
990	5,351775E+21	8,561218E+21	1,090298E+22	1,090266E+22	8,560545E+21	5,351283E+21	2,440572E+21	6,083729E+20	3,975431E+19	3,976366E+19	6,084801E+20	2,440785E+21
991	5,351551E+21	8,560603E+21	1,090217E+22	1,090245E+22	8,560980E+21	5,351770E+21	2,440897E+21	6,085375E+20	3,977634E+19	3,976424E+19	6,083861E+20	2,440556E+21
992	5,351308E+21	8,560676E+21	1,090260E+22	1,090268E+22	8,560919E+21	5,351547E+21	2,440644E+21	6,084046E+20	3,976606E+19	3,977612E+19	6,085330E+20	2,440913E+21
993	5,351799E+21	8,560991E+21	1,090251E+22	1,090224E+22	8,560495E+21	5,351417E+21	2,440668E+21	6,084015E+20	3,975228E+19	3,975494E+19	6,084122E+20	2,440668E+21
994	5,351420E+21	8,560511E+21	1,090225E+22	1,090263E+22	8,561112E+21	5,351849E+21	2,440883E+21	6,084678E+20	3,975094E+19	3,973641E+19	6,083128E+20	2,440555E+21
995	5,351544E+21	8,561133E+21	1,090307E+22	1,090301E+22	8,560984E+21	5,351457E+21	2,440519E+21	6,082761E+20	3,972255E+19	3,973188E+19	6,084003E+20	2,440793E+21
996	5,351787E+21	8,561207E+21	1,090299E+22	1,090287E+22	8,561027E+21	5,351673E+21	2,440690E+21	6,083136E+20	3,970453E+19	3,969292E+19	6,081906E+20	2,440451E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
997	5,351397E+21	8,560933E+21	1,090325E+22	1,090355E+22	8,561524E+21	5,351869E+21	2,440685E+21	6,082658E+20	3,969529E+19	3,968697E+19	6,082102E+20	2,440600E+21
998	5,351826E+21	8,561608E+21	1,090381E+22	1,090370E+22	8,561241E+21	5,351472E+21	2,440397E+21	6,081022E+20	3,966228E+19	3,967643E+19	6,082401E+20	2,440686E+21
999	5,351850E+21	8,561436E+21	1,090342E+22	1,090358E+22	8,561631E+21	5,351924E+21	2,440665E+21	6,081982E+20	3,966169E+19	3,964746E+19	6,080559E+20	2,440369E+21
1000	5,351557E+21	8,561522E+21	1,090404E+22	1,090406E+22	8,561734E+21	5,351826E+21	2,440491E+21	6,080930E+20	3,965236E+19	3,966014E+19	6,081713E+20	2,440655E+21
1001	5,352019E+21	8,561927E+21	1,090417E+22	1,090382E+22	8,561256E+21	5,351531E+21	2,440420E+21	6,080739E+20	3,964540E+19	3,965320E+19	6,081369E+20	2,440511E+21
1002	5,351644E+21	8,561270E+21	1,090349E+22	1,090381E+22	8,561727E+21	5,351976E+21	2,440746E+21	6,082635E+20	3,968043E+19	3,966549E+19	6,081039E+20	2,440384E+21
1003	5,351514E+21	8,561392E+21	1,090375E+22	1,090383E+22	8,561547E+21	5,351652E+21	2,440470E+21	6,081727E+20	3,968743E+19	3,970276E+19	6,083239E+20	2,440760E+21
1004	5,351834E+21	8,561327E+21	1,090317E+22	1,090296E+22	8,561016E+21	5,351627E+21	2,440639E+21	6,082979E+20	3,971259E+19	3,970906E+19	6,082754E+20	2,440572E+21
1005	5,351433E+21	8,560663E+21	1,090256E+22	1,090281E+22	8,561123E+21	5,351812E+21	2,440828E+21	6,084375E+20	3,975032E+19	3,974697E+19	6,083688E+20	2,440664E+21
1006	5,351644E+21	8,561051E+21	1,090275E+22	1,090256E+22	8,560561E+21	5,351268E+21	2,440550E+21	6,083778E+20	3,976262E+19	3,977982E+19	6,085527E+20	2,440895E+21
1007	5,351686E+21	8,560715E+21	1,090196E+22	1,090184E+22	8,560479E+21	5,351538E+21	2,440863E+21	6,085838E+20	3,980062E+19	3,979145E+19	6,084740E+20	2,440604E+21
1008	5,351175E+21	8,560265E+21	1,090197E+22	1,090207E+22	8,560596E+21	5,351537E+21	2,440829E+21	6,085994E+20	3,982051E+19	3,982425E+19	6,086274E+20	2,440883E+21
1009	5,351571E+21	8,560566E+21	1,090193E+22	1,090170E+22	8,560063E+21	5,351151E+21	2,440680E+21	6,085673E+20	3,982463E+19	3,983515E+19	6,086847E+20	2,440896E+21
1010	5,351343E+21	8,559944E+21	1,090106E+22	1,090136E+22	8,560406E+21	5,351643E+21	2,441042E+21	6,087428E+20	3,984514E+19	3,983179E+19	6,085799E+20	2,440677E+21
1011	5,351147E+21	8,560064E+21	1,090154E+22	1,090168E+22	8,560406E+21	5,351425E+21	2,440785E+21	6,086124E+20	3,983500E+19	3,984131E+19	6,087073E+20	2,440993E+21
1012	5,351622E+21	8,560444E+21	1,090156E+22	1,090128E+22	8,559979E+21	5,351296E+21	2,440802E+21	6,085978E+20	3,981768E+19	3,981772E+19	6,085850E+20	2,440761E+21
1013	5,351272E+21	8,560015E+21	1,090137E+22	1,090164E+22	8,560468E+21	5,351627E+21	2,440982E+21	6,086604E+20	3,981736E+19	3,980168E+19	6,085010E+20	2,440666E+21
1014	5,351384E+21	8,560611E+21	1,090224E+22	1,090218E+22	8,560445E+21	5,351242E+21	2,440597E+21	6,084554E+20	3,978708E+19	3,979835E+19	6,085960E+20	2,440922E+21
1015	5,351649E+21	8,560666E+21	1,090206E+22	1,090198E+22	8,560552E+21	5,351525E+21	2,440766E+21	6,084810E+20	3,976788E+19	3,976026E+19	6,083958E+20	2,440597E+21
1016	5,351280E+21	8,560463E+21	1,090241E+22	1,090266E+22	8,560997E+21	5,351700E+21	2,440761E+21	6,084264E+20	3,975471E+19	3,974901E+19	6,083929E+20	2,440734E+21
1017	5,351760E+21	8,561198E+21	1,090299E+22	1,090282E+22	8,560733E+21	5,351304E+21	2,440474E+21	6,082601E+20	3,971968E+19	3,973542E+19	6,084031E+20	2,440758E+21
1018	5,351686E+21	8,560965E+21	1,090258E+22	1,090264E+22	8,561064E+21	5,351769E+21	2,440795E+21	6,083943E+20	3,972681E+19	3,971085E+19	6,082316E+20	2,440445E+21
1019	5,351344E+21	8,560933E+21	1,090313E+22	1,090323E+22	8,561281E+21	5,351700E+21	2,440634E+21	6,083149E+20	3,972597E+19	3,973013E+19	6,083582E+20	2,440718E+21
1020	5,351748E+21	8,561240E+21	1,090313E+22	1,090288E+22	8,560799E+21	5,351430E+21	2,440567E+21	6,082977E+20	3,972193E+19	3,972774E+19	6,083503E+20	2,440639E+21
1021	5,351446E+21	8,560572E+21	1,090231E+22	1,090262E+22	8,561056E+21	5,351791E+21	2,440877E+21	6,084883E+20	3,975919E+19	3,974512E+19	6,083390E+20	2,440551E+21
1022	5,351377E+21	8,560748E+21	1,090260E+22	1,090265E+22	8,560835E+21	5,351425E+21	2,440591E+21	6,083919E+20	3,976505E+19	3,978252E+19	6,085568E+20	2,440921E+21
1023	5,351717E+21	8,560738E+21	1,090203E+22	1,090176E+22	8,560322E+21	5,351412E+21	2,440755E+21	6,085183E+20	3,979136E+19	3,979022E+19	6,085118E+20	2,440714E+21
1024	5,351275E+21	8,560150E+21	1,090164E+22	1,090175E+22	8,560435E+21	5,351573E+21	2,440935E+21	6,086564E+20	3,982757E+19	3,982445E+19	6,085892E+20	2,440788E+21
1025	5,351477E+21	8,560506E+21	1,090183E+22	1,090160E+22	8,559971E+21	5,351054E+21	2,440654E+21	6,085945E+20	3,983979E+19	3,985661E+19	6,087667E+20	2,440986E+21
1026	5,351425E+21	8,560028E+21	1,090091E+22	1,090083E+22	8,559925E+21	5,351390E+21	2,441010E+21	6,088184E+20	3,988070E+19	3,987057E+19	6,087020E+20	2,440738E+21
1027	5,350953E+21	8,559521E+21	1,090080E+22	1,090107E+22	8,560137E+21	5,351443E+21	2,440982E+21	6,088317E+20	3,990039E+19	3,990166E+19	6,088423E+20	2,441000E+21
1028	5,351374E+21	8,559879E+21	1,090075E+22	1,090058E+22	8,559520E+21	5,351053E+21	2,440835E+21	6,087838E+20	3,989856E+19	3,990787E+19	6,088902E+20	2,441032E+21
1029	5,351217E+21	8,559369E+21	1,089997E+22	1,090015E+22	8,559675E+21	5,351430E+21	2,441163E+21	6,089489E+20	3,991580E+19	3,990181E+19	6,087786E+20	2,440799E+21
1030	5,351018E+21	8,559553E+21	1,090062E+22	1,090067E+22	8,559729E+21	5,351186E+21	2,440884E+21	6,088061E+20	3,990267E+19	3,990914E+19	6,088965E+20	2,441088E+21
1031	5,351450E+21	8,559911E+21	1,090067E+22	1,090038E+22	8,559426E+21	5,351097E+21	2,440884E+21	6,087817E+20	3,988381E+19	3,988571E+19	6,087842E+20	2,440867E+21
1032	5,351088E+21	8,559514E+21	1,090059E+22	1,090084E+22	8,559969E+21	5,351434E+21	2,441042E+21	6,088257E+20	3,987868E+19	3,986439E+19	6,086879E+20	2,440796E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1033	5,351271E+21	8,560126E+21	1,090140E+22	1,090136E+22	8,560005E+21	5,351103E+21	2,440664E+21	6,086044E+20	3,984288E+19	3,985654E+19	6,087640E+20	2,441021E+21
1034	5,351516E+21	8,560176E+21	1,090121E+22	1,090108E+22	8,560063E+21	5,351408E+21	2,440878E+21	6,086491E+20	3,982539E+19	3,981786E+19	6,085621E+20	2,440703E+21
1035	5,351170E+21	8,559978E+21	1,090155E+22	1,090184E+22	8,560583E+21	5,351604E+21	2,440887E+21	6,086134E+20	3,981702E+19	3,980813E+19	6,085457E+20	2,440783E+21
1036	5,351573E+21	8,560697E+21	1,090214E+22	1,090197E+22	8,560283E+21	5,351216E+21	2,440616E+21	6,084583E+20	3,978521E+19	3,979788E+19	6,085724E+20	2,440833E+21
1037	5,351488E+21	8,560396E+21	1,090167E+22	1,090166E+22	8,560442E+21	5,351571E+21	2,440920E+21	6,086097E+20	3,979994E+19	3,978238E+19	6,084370E+20	2,440559E+21
1038	5,351138E+21	8,560266E+21	1,090210E+22	1,090225E+22	8,560700E+21	5,351511E+21	2,440751E+21	6,085304E+20	3,980201E+19	3,980775E+19	6,085858E+20	2,440860E+21
1039	5,351565E+21	8,560553E+21	1,090196E+22	1,090176E+22	8,560200E+21	5,351267E+21	2,440682E+21	6,085111E+20	3,979973E+19	3,980916E+19	6,085980E+20	2,440814E+21
1040	5,351320E+21	8,560011E+21	1,090126E+22	1,090145E+22	8,560333E+21	5,351550E+21	2,440971E+21	6,086949E+20	3,983451E+19	3,982299E+19	6,085680E+20	2,440716E+21
1041	5,351297E+21	8,560247E+21	1,090158E+22	1,090154E+22	8,560153E+21	5,351193E+21	2,440684E+21	6,085970E+20	3,983894E+19	3,985735E+19	6,087645E+20	2,441021E+21
1042	5,351535E+21	8,560180E+21	1,090105E+22	1,090069E+22	8,559654E+21	5,351204E+21	2,440886E+21	6,087494E+20	3,987083E+19	3,986860E+19	6,087300E+20	2,440818E+21
1043	5,351046E+21	8,559470E+21	1,090058E+22	1,090081E+22	8,559936E+21	5,351424E+21	2,441082E+21	6,089038E+20	3,991196E+19	3,990506E+19	6,088052E+20	2,440868E+21
1044	5,351193E+21	8,559756E+21	1,090068E+22	1,090059E+22	8,559506E+21	5,350976E+21	2,440819E+21	6,088348E+20	3,992244E+19	3,993705E+19	6,089953E+20	2,441121E+21
1045	5,351208E+21	8,559278E+21	1,089968E+22	1,089961E+22	8,559247E+21	5,351228E+21	2,441160E+21	6,090502E+20	3,996086E+19	3,995110E+19	6,089373E+20	2,440900E+21
1046	5,350804E+21	8,558847E+21	1,089962E+22	1,089990E+22	8,559449E+21	5,351254E+21	2,441117E+21	6,090463E+20	3,997524E+19	3,997780E+19	6,090609E+20	2,441134E+21
1047	5,351234E+21	8,559298E+21	1,089965E+22	1,089943E+22	8,558861E+21	5,350866E+21	2,440948E+21	6,089850E+20	3,996958E+19	3,998107E+19	6,091027E+20	2,441151E+21
1048	5,351073E+21	8,558914E+21	1,089912E+22	1,089915E+22	8,558994E+21	5,351181E+21	2,441238E+21	6,091315E+20	3,998116E+19	3,996766E+19	6,089687E+20	2,440913E+21
1049	5,350893E+21	8,559098E+21	1,089982E+22	1,089984E+22	8,559191E+21	5,350972E+21	2,440945E+21	6,089764E+20	3,996469E+19	3,997132E+19	6,090713E+20	2,441171E+21
1050	5,351261E+21	8,559365E+21	1,089982E+22	1,089956E+22	8,558965E+21	5,350954E+21	2,440979E+21	6,089602E+20	3,994671E+19	3,994859E+19	6,089697E+20	2,440993E+21
1051	5,350953E+21	8,558952E+21	1,089968E+22	1,090007E+22	8,559605E+21	5,351351E+21	2,441155E+21	6,090073E+20	3,994211E+19	3,992555E+19	6,088561E+20	2,440888E+21
1052	5,351137E+21	8,559630E+21	1,090051E+22	1,090050E+22	8,559582E+21	5,351044E+21	2,440800E+21	6,087851E+20	3,990378E+19	3,991569E+19	6,089274E+20	2,441117E+21
1053	5,351390E+21	8,559705E+21	1,090033E+22	1,090011E+22	8,559452E+21	5,351241E+21	2,440997E+21	6,088378E+20	3,988927E+19	3,988027E+19	6,087347E+20	2,440789E+21
1054	5,351016E+21	8,559479E+21	1,090071E+22	1,090096E+22	8,560010E+21	5,351428E+21	2,441003E+21	6,088080E+20	3,988411E+19	3,987525E+19	6,087297E+20	2,440849E+21
1055	5,351343E+21	8,560084E+21	1,090119E+22	1,090106E+22	8,559767E+21	5,351062E+21	2,440726E+21	6,086599E+20	3,985651E+19	3,987062E+19	6,087841E+20	2,440937E+21
1056	5,351268E+21	8,559797E+21	1,090072E+22	1,090071E+22	8,559868E+21	5,351377E+21	2,441004E+21	6,088010E+20	3,987024E+19	3,985465E+19	6,086548E+20	2,440717E+21
1057	5,351015E+21	8,559684E+21	1,090105E+22	1,090122E+22	8,560107E+21	5,351326E+21	2,440836E+21	6,087157E+20	3,987007E+19	3,987834E+19	6,087913E+20	2,440990E+21
1058	5,351422E+21	8,559959E+21	1,090088E+22	1,090065E+22	8,559555E+21	5,351089E+21	2,440805E+21	6,087183E+20	3,987187E+19	3,988184E+19	6,088115E+20	2,440960E+21
1059	5,351205E+21	8,559448E+21	1,090022E+22	1,090044E+22	8,559773E+21	5,351386E+21	2,441098E+21	6,089160E+20	3,991094E+19	3,989715E+19	6,087676E+20	2,440804E+21
1060	5,351107E+21	8,559685E+21	1,090060E+22	1,090052E+22	8,559575E+21	5,351058E+21	2,440839E+21	6,088318E+20	3,991848E+19	3,993410E+19	6,089774E+20	2,441126E+21
1061	5,351310E+21	8,559519E+21	1,089999E+22	1,089961E+22	8,558977E+21	5,350994E+21	2,441026E+21	6,089959E+20	3,995598E+19	3,995273E+19	6,089703E+20	2,440955E+21
1062	5,350833E+21	8,558746E+21	1,089942E+22	1,089973E+22	8,559327E+21	5,351257E+21	2,441221E+21	6,091418E+20	3,999682E+19	3,999144E+19	6,090544E+20	2,441013E+21
1063	5,350983E+21	8,559011E+21	1,089942E+22	1,089938E+22	8,558878E+21	5,350834E+21	2,440961E+21	6,090643E+20	4,000462E+19	4,002185E+19	6,092452E+20	2,441281E+21
1064	5,351062E+21	8,558695E+21	1,089859E+22	1,089841E+22	8,558503E+21	5,350995E+21	2,441264E+21	6,092566E+20	4,003482E+19	4,002706E+19	6,091595E+20	2,441053E+21
1065	5,350711E+21	8,558346E+21	1,089861E+22	1,089881E+22	8,558758E+21	5,351020E+21	2,441203E+21	6,092376E+20	4,004338E+19	4,004595E+19	6,092484E+20	2,441214E+21
1066	5,351042E+21	8,558760E+21	1,089874E+22	1,089846E+22	8,558242E+21	5,350668E+21	2,441061E+21	6,091870E+20	4,003851E+19	4,004876E+19	6,092940E+20	2,441247E+21
1067	5,350880E+21	8,558326E+21	1,089822E+22	1,089838E+22	8,558565E+21	5,351031E+21	2,441341E+21	6,093319E+20	4,005067E+19	4,003355E+19	6,091469E+20	2,440986E+21
1068	5,350680E+21	8,558515E+21	1,089890E+22	1,089902E+22	8,558799E+21	5,350908E+21	2,441076E+21	6,091686E+20	4,003093E+19	4,003534E+19	6,092543E+20	2,441289E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1069	5,351102E+21	8,558787E+21	1,089885E+22	1,089862E+22	8,558416E+21	5,350815E+21	2,441097E+21	6,091469E+20	4,001156E+19	4,001300E+19	6,091555E+20	2,441120E+21
1070	5,350849E+21	8,558443E+21	1,089875E+22	1,089915E+22	8,559069E+21	5,351216E+21	2,441271E+21	6,091861E+20	4,000493E+19	3,998893E+19	6,090329E+20	2,440978E+21
1071	5,350992E+21	8,559140E+21	1,089961E+22	1,089957E+22	8,559063E+21	5,350924E+21	2,440916E+21	6,089662E+20	3,996687E+19	3,998001E+19	6,091084E+20	2,441195E+21
1072	5,351224E+21	8,559280E+21	1,089958E+22	1,089924E+22	8,558841E+21	5,351025E+21	2,441077E+21	6,090132E+20	3,995195E+19	3,994367E+19	6,089194E+20	2,440894E+21
1073	5,350863E+21	8,558969E+21	1,089983E+22	1,090012E+22	8,559490E+21	5,351235E+21	2,441075E+21	6,089833E+20	3,994770E+19	3,994024E+19	6,089167E+20	2,440943E+21
1074	5,351130E+21	8,559458E+21	1,090019E+22	1,090014E+22	8,559255E+21	5,350916E+21	2,440829E+21	6,088496E+20	3,992444E+19	3,994039E+19	6,089964E+20	2,441092E+21
1075	5,351140E+21	8,559173E+21	1,089964E+22	1,089975E+22	8,559356E+21	5,351232E+21	2,441114E+21	6,090001E+20	3,994155E+19	3,992539E+19	6,088554E+20	2,440844E+21
1076	5,350897E+21	8,559160E+21	1,090002E+22	1,090015E+22	8,559514E+21	5,351196E+21	2,440978E+21	6,089251E+20	3,994176E+19	3,994911E+19	6,089917E+20	2,441117E+21
1077	5,351287E+21	8,559429E+21	1,089987E+22	1,089952E+22	8,558822E+21	5,350859E+21	2,440932E+21	6,089445E+20	3,994995E+19	3,995822E+19	6,090240E+20	2,441070E+21
1078	5,351030E+21	8,558875E+21	1,089923E+22	1,089942E+22	8,559115E+21	5,351185E+21	2,441232E+21	6,091489E+20	3,999280E+19	3,997909E+19	6,089937E+20	2,440895E+21
1079	5,350845E+21	8,558986E+21	1,089949E+22	1,089948E+22	8,559004E+21	5,350909E+21	2,440983E+21	6,090728E+20	4,000356E+19	4,001990E+19	6,092228E+20	2,441245E+21
1080	5,351066E+21	8,558842E+21	1,089888E+22	1,089852E+22	8,558333E+21	5,350801E+21	2,441142E+21	6,092187E+20	4,003686E+19	4,003589E+19	6,092170E+20	2,441123E+21
1081	5,350685E+21	8,558089E+21	1,089823E+22	1,089858E+22	8,558688E+21	5,351075E+21	2,441334E+21	6,093504E+20	4,007157E+19	4,006797E+19	6,092744E+20	2,441140E+21
1082	5,350798E+21	8,558360E+21	1,089826E+22	1,089823E+22	8,558215E+21	5,350659E+21	2,441099E+21	6,092811E+20	4,007897E+19	4,009612E+19	6,094600E+20	2,441417E+21
1083	5,350915E+21	8,558098E+21	1,089753E+22	1,089741E+22	8,557916E+21	5,350817E+21	2,441392E+21	6,094733E+20	4,010868E+19	4,009773E+19	6,093495E+20	2,441137E+21
1084	5,350522E+21	8,557809E+21	1,089768E+22	1,089784E+22	8,558182E+21	5,350871E+21	2,441345E+21	6,094546E+20	4,011611E+19	4,011497E+19	6,094419E+20	2,441316E+21
1085	5,350827E+21	8,558147E+21	1,089776E+22	1,089750E+22	8,557644E+21	5,350470E+21	2,441176E+21	6,094025E+20	4,011306E+19	4,012145E+19	6,095030E+20	2,441380E+21
1086	5,350720E+21	8,557737E+21	1,089723E+22	1,089745E+22	8,558058E+21	5,350893E+21	2,441449E+21	6,095259E+20	4,012189E+19	4,010614E+19	6,093572E+20	2,441120E+21
1087	5,350538E+21	8,557947E+21	1,089788E+22	1,089802E+22	8,558279E+21	5,350800E+21	2,441198E+21	6,093572E+20	4,009860E+19	4,010483E+19	6,094552E+20	2,441414E+21
1088	5,351002E+21	8,558369E+21	1,089800E+22	1,089768E+22	8,557814E+21	5,350617E+21	2,441177E+21	6,093118E+20	4,007158E+19	4,007499E+19	6,093343E+20	2,441238E+21
1089	5,350770E+21	8,558064E+21	1,089796E+22	1,089829E+22	8,558513E+21	5,351016E+21	2,441337E+21	6,093434E+20	4,006171E+19	4,004634E+19	6,091885E+20	2,441026E+21
1090	5,350772E+21	8,558621E+21	1,089879E+22	1,089876E+22	8,558556E+21	5,350763E+21	2,441019E+21	6,091438E+20	4,002787E+19	4,004075E+19	6,092806E+20	2,441273E+21
1091	5,351007E+21	8,558673E+21	1,089868E+22	1,089852E+22	8,558451E+21	5,350896E+21	2,441178E+21	6,091975E+20	4,001659E+19	4,000632E+19	6,090948E+20	2,440979E+21
1092	5,350664E+21	8,558388E+21	1,089886E+22	1,089921E+22	8,559030E+21	5,351152E+21	2,441208E+21	6,091736E+20	4,001329E+19	4,000529E+19	6,091085E+20	2,441076E+21
1093	5,350972E+21	8,558854E+21	1,089913E+22	1,089907E+22	8,558624E+21	5,350745E+21	2,440956E+21	6,090522E+20	3,999439E+19	4,001004E+19	6,092003E+20	2,441241E+21
1094	5,351049E+21	8,558663E+21	1,089862E+22	1,089869E+22	8,558725E+21	5,351052E+21	2,441230E+21	6,092022E+20	4,001417E+19	3,999903E+19	6,090619E+20	2,440955E+21
1095	5,350744E+21	8,558634E+21	1,089902E+22	1,089909E+22	8,558880E+21	5,351022E+21	2,441111E+21	6,091450E+20	4,001839E+19	4,002611E+19	6,092059E+20	2,441213E+21
1096	5,351098E+21	8,558926E+21	1,089898E+22	1,089855E+22	8,558146E+21	5,350609E+21	2,441032E+21	6,091619E+20	4,002802E+19	4,003682E+19	6,092502E+20	2,441199E+21
1097	5,350839E+21	8,558267E+21	1,089821E+22	1,089844E+22	8,558535E+21	5,350979E+21	2,441332E+21	6,093656E+20	4,007109E+19	4,005888E+19	6,092224E+20	2,441009E+21
1098	5,350584E+21	8,558239E+21	1,089831E+22	1,089840E+22	8,558435E+21	5,350777E+21	2,441130E+21	6,093034E+20	4,008476E+19	4,010222E+19	6,094667E+20	2,441409E+21
1099	5,350890E+21	8,558116E+21	1,089765E+22	1,089742E+22	8,557758E+21	5,350657E+21	2,441291E+21	6,094503E+20	4,011763E+19	4,011571E+19	6,094418E+20	2,441258E+21
1100	5,350532E+21	8,557494E+21	1,089707E+22	1,089739E+22	8,558033E+21	5,350930E+21	2,441495E+21	6,095811E+20	4,014936E+19	4,014403E+19	6,094902E+20	2,441268E+21
1101	5,350614E+21	8,557742E+21	1,089715E+22	1,089704E+22	8,557462E+21	5,350423E+21	2,441235E+21	6,095177E+20	4,015946E+19	4,017394E+19	6,096764E+20	2,441535E+21
1102	5,350733E+21	8,557499E+21	1,089650E+22	1,089636E+22	8,557268E+21	5,350607E+21	2,441510E+21	6,096964E+20	4,018820E+19	4,017673E+19	6,095690E+20	2,441240E+21
1103	5,350292E+21	8,557161E+21	1,089663E+22	1,089686E+22	8,557634E+21	5,350714E+21	2,441469E+21	6,096723E+20	4,019346E+19	4,019231E+19	6,096641E+20	2,441442E+21
1104	5,350658E+21	8,557599E+21	1,089680E+22	1,089653E+22	8,557060E+21	5,350275E+21	2,441261E+21	6,095874E+20	4,018164E+19	4,019241E+19	6,097138E+20	2,441538E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1105	5,350632E+21	8,557248E+21	1,089628E+22	1,089651E+22	8,557521E+21	5,350722E+21	2,441526E+21	6,096883E+20	4,018154E+19	4,016791E+19	6,095338E+20	2,441222E+21
1106	5,350397E+21	8,557462E+21	1,089699E+22	1,089712E+22	8,557773E+21	5,350668E+21	2,441306E+21	6,095249E+20	4,015670E+19	4,016351E+19	6,096212E+20	2,441507E+21
1107	5,350864E+21	8,557889E+21	1,089719E+22	1,089692E+22	8,557368E+21	5,350478E+21	2,441280E+21	6,094832E+20	4,013006E+19	4,013121E+19	6,094823E+20	2,441285E+21
1108	5,350581E+21	8,557604E+21	1,089718E+22	1,089750E+22	8,558058E+21	5,350901E+21	2,441463E+21	6,095255E+20	4,012238E+19	4,010452E+19	6,093533E+20	2,441105E+21
1109	5,350536E+21	8,558001E+21	1,089786E+22	1,089789E+22	8,558045E+21	5,350597E+21	2,441130E+21	6,093401E+20	4,009522E+19	4,010656E+19	6,094709E+20	2,441395E+21
1110	5,350844E+21	8,558077E+21	1,089768E+22	1,089756E+22	8,557939E+21	5,350763E+21	2,441287E+21	6,093873E+20	4,008605E+19	4,007711E+19	6,093020E+20	2,441117E+21
1111	5,350530E+21	8,557829E+21	1,089782E+22	1,089815E+22	8,558436E+21	5,351004E+21	2,441336E+21	6,093741E+20	4,008402E+19	4,007758E+19	6,093167E+20	2,441210E+21
1112	5,350881E+21	8,558435E+21	1,089821E+22	1,089802E+22	8,557933E+21	5,350501E+21	2,441042E+21	6,092419E+20	4,006316E+19	4,008041E+19	6,094031E+20	2,441374E+21
1113	5,350953E+21	8,558239E+21	1,089776E+22	1,089773E+22	8,558101E+21	5,350814E+21	2,441307E+21	6,093917E+20	4,008315E+19	4,006929E+19	6,092558E+20	2,441031E+21
1114	5,350509E+21	8,558039E+21	1,089808E+22	1,089818E+22	8,558332E+21	5,350846E+21	2,441234E+21	6,093611E+20	4,009377E+19	4,010162E+19	6,094205E+20	2,441319E+21
1115	5,350851E+21	8,558208E+21	1,089792E+22	1,089768E+22	8,557699E+21	5,350474E+21	2,441164E+21	6,093876E+20	4,010766E+19	4,011497E+19	6,094691E+20	2,441312E+21
1116	5,350611E+21	8,557579E+21	1,089705E+22	1,089736E+22	8,557996E+21	5,350887E+21	2,441501E+21	6,095970E+20	4,015028E+19	4,013792E+19	6,094546E+20	2,441162E+21
1117	5,350370E+21	8,557482E+21	1,089704E+22	1,089717E+22	8,557739E+21	5,350601E+21	2,441294E+21	6,095472E+20	4,016731E+19	4,018324E+19	6,096989E+20	2,441563E+21
1118	5,350749E+21	8,557492E+21	1,089646E+22	1,089619E+22	8,557059E+21	5,350475E+21	2,441437E+21	6,096842E+20	4,019985E+19	4,019816E+19	6,096736E+20	2,441386E+21
1119	5,350356E+21	8,556901E+21	1,089596E+22	1,089617E+22	8,557300E+21	5,350722E+21	2,441641E+21	6,098197E+20	4,023153E+19	4,022529E+19	6,097171E+20	2,441384E+21
1120	5,350436E+21	8,557204E+21	1,089618E+22	1,089598E+22	8,556745E+21	5,350147E+21	2,441326E+21	6,097344E+20	4,023763E+19	4,025254E+19	6,099041E+20	2,441683E+21
1121	5,350586E+21	8,556942E+21	1,089553E+22	1,089541E+22	8,556698E+21	5,350374E+21	2,441571E+21	6,098862E+20	4,025973E+19	4,025071E+19	6,097831E+20	2,441368E+21
1122	5,350107E+21	8,556539E+21	1,089561E+22	1,089589E+22	8,557110E+21	5,350568E+21	2,441579E+21	6,098640E+20	4,026274E+19	4,026295E+19	6,098723E+20	2,441591E+21
1123	5,350537E+21	8,557031E+21	1,089583E+22	1,089567E+22	8,556602E+21	5,350151E+21	2,441376E+21	6,097708E+20	4,024601E+19	4,025589E+19	6,098863E+20	2,441630E+21
1124	5,350507E+21	8,556818E+21	1,089545E+22	1,089561E+22	8,557016E+21	5,350610E+21	2,441658E+21	6,098700E+20	4,024211E+19	4,022651E+19	6,096953E+20	2,441292E+21
1125	5,350188E+21	8,556917E+21	1,089613E+22	1,089622E+22	8,557210E+21	5,350502E+21	2,441434E+21	6,097219E+20	4,022160E+19	4,022484E+19	6,097838E+20	2,441565E+21
1126	5,350646E+21	8,557330E+21	1,089632E+22	1,089608E+22	8,556895E+21	5,350342E+21	2,441393E+21	6,096742E+20	4,019704E+19	4,019737E+19	6,096647E+20	2,441357E+21
1127	5,350341E+21	8,556979E+21	1,089620E+22	1,089657E+22	8,557576E+21	5,350778E+21	2,441582E+21	6,097207E+20	4,019087E+19	4,017297E+19	6,095504E+20	2,441224E+21
1128	5,350387E+21	8,557459E+21	1,089689E+22	1,089691E+22	8,557465E+21	5,350404E+21	2,441212E+21	6,095151E+20	4,015953E+19	4,017351E+19	6,096724E+20	2,441559E+21
1129	5,350781E+21	8,557609E+21	1,089675E+22	1,089659E+22	8,557362E+21	5,350548E+21	2,441349E+21	6,095498E+20	4,014687E+19	4,014081E+19	6,094880E+20	2,441238E+21
1130	5,350413E+21	8,557354E+21	1,089693E+22	1,089719E+22	8,557866E+21	5,350823E+21	2,441437E+21	6,095575E+20	4,014860E+19	4,014345E+19	6,095060E+20	2,441325E+21
1131	5,350742E+21	8,557933E+21	1,089738E+22	1,089720E+22	8,557430E+21	5,350333E+21	2,441153E+21	6,094402E+20	4,013228E+19	4,014766E+19	6,095851E+20	2,441449E+21
1132	5,350753E+21	8,557716E+21	1,089689E+22	1,089685E+22	8,557597E+21	5,350677E+21	2,441446E+21	6,096076E+20	4,015703E+19	4,014227E+19	6,094658E+20	2,441140E+21
1133	5,350246E+21	8,557301E+21	1,089696E+22	1,089715E+22	8,557778E+21	5,350694E+21	2,441382E+21	6,096000E+20	4,017590E+19	4,018262E+19	6,096523E+20	2,441463E+21
1134	5,350657E+21	8,557490E+21	1,089668E+22	1,089650E+22	8,557113E+21	5,350354E+21	2,441319E+21	6,096256E+20	4,019269E+19	4,020107E+19	6,097171E+20	2,441468E+21
1135	5,350438E+21	8,556902E+21	1,089581E+22	1,089606E+22	8,557288E+21	5,350724E+21	2,441668E+21	6,098420E+20	4,023480E+19	4,022301E+19	6,096959E+20	2,441316E+21
1136	5,350250E+21	8,556931E+21	1,089592E+22	1,089591E+22	8,556930E+21	5,350317E+21	2,441401E+21	6,097739E+20	4,024815E+19	4,026466E+19	6,099303E+20	2,441708E+21
1137	5,350612E+21	8,556948E+21	1,089543E+22	1,089506E+22	8,556327E+21	5,350186E+21	2,441518E+21	6,098965E+20	4,027670E+19	4,027605E+19	6,098910E+20	2,441486E+21
1138	5,350124E+21	8,556264E+21	1,089495E+22	1,089518E+22	8,556690E+21	5,350502E+21	2,441746E+21	6,100370E+20	4,030876E+19	4,030267E+19	6,099402E+20	2,441511E+21
1139	5,350223E+21	8,556526E+21	1,089516E+22	1,089509E+22	8,556271E+21	5,349999E+21	2,441439E+21	6,099438E+20	4,031257E+19	4,032618E+19	6,101094E+20	2,441798E+21
1140	5,350411E+21	8,556361E+21	1,089454E+22	1,089444E+22	8,556209E+21	5,350281E+21	2,441712E+21	6,100850E+20	4,032860E+19	4,031962E+19	6,099828E+20	2,441493E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1141	5,349930E+21	8,555913E+21	1,089457E+22	1,089488E+22	8,556553E+21	5,350430E+21	2,441720E+21	6,100714E+20	4,033226E+19	4,032968E+19	6,100541E+20	2,441692E+21
1142	5,350396E+21	8,556509E+21	1,089487E+22	1,089468E+22	8,556090E+21	5,350041E+21	2,441508E+21	6,099676E+20	4,031387E+19	4,032263E+19	6,100647E+20	2,441698E+21
1143	5,350304E+21	8,556287E+21	1,089457E+22	1,089465E+22	8,556458E+21	5,350470E+21	2,441794E+21	6,100708E+20	4,030961E+19	4,029201E+19	6,098746E+20	2,441371E+21
1144	5,350002E+21	8,556386E+21	1,089526E+22	1,089533E+22	8,556635E+21	5,350280E+21	2,441511E+21	6,099033E+20	4,028669E+19	4,029048E+19	6,099748E+20	2,441686E+21
1145	5,350495E+21	8,556784E+21	1,089541E+22	1,089520E+22	8,556398E+21	5,350145E+21	2,441444E+21	6,098349E+20	4,025785E+19	4,026161E+19	6,098578E+20	2,441491E+21
1146	5,350208E+21	8,556429E+21	1,089526E+22	1,089563E+22	8,557050E+21	5,350620E+21	2,441667E+21	6,098880E+20	4,025242E+19	4,023756E+19	6,097479E+20	2,441386E+21
1147	5,350324E+21	8,556975E+21	1,089602E+22	1,089604E+22	8,556962E+21	5,350247E+21	2,441305E+21	6,096865E+20	4,022056E+19	4,023494E+19	6,098441E+20	2,441668E+21
1148	5,350706E+21	8,557244E+21	1,089599E+22	1,089571E+22	8,556827E+21	5,350395E+21	2,441457E+21	6,097288E+20	4,020922E+19	4,020288E+19	6,096626E+20	2,441323E+21
1149	5,350222E+21	8,556811E+21	1,089606E+22	1,089629E+22	8,557302E+21	5,350644E+21	2,441562E+21	6,097694E+20	4,022012E+19	4,021213E+19	6,096898E+20	2,441398E+21
1150	5,350521E+21	8,557326E+21	1,089642E+22	1,089628E+22	8,556965E+21	5,350219E+21	2,441288E+21	6,096622E+20	4,021038E+19	4,022470E+19	6,097973E+20	2,441538E+21
1151	5,350491E+21	8,557010E+21	1,089579E+22	1,089578E+22	8,557045E+21	5,350563E+21	2,441606E+21	6,098444E+20	4,023899E+19	4,022398E+19	6,096987E+20	2,441280E+21
1152	5,350067E+21	8,556618E+21	1,089577E+22	1,089596E+22	8,557098E+21	5,350497E+21	2,441508E+21	6,098232E+20	4,025536E+19	4,026388E+19	6,098899E+20	2,441631E+21
1153	5,350537E+21	8,556883E+21	1,089554E+22	1,089531E+22	8,556416E+21	5,350117E+21	2,441416E+21	6,098346E+20	4,026839E+19	4,027949E+19	6,099440E+20	2,441607E+21
1154	5,350282E+21	8,556303E+21	1,089471E+22	1,089487E+22	8,556559E+21	5,350491E+21	2,441784E+21	6,100621E+20	4,031229E+19	4,030161E+19	6,099215E+20	2,441452E+21
1155	5,350081E+21	8,556322E+21	1,089493E+22	1,089490E+22	8,556289E+21	5,350097E+21	2,441519E+21	6,099989E+20	4,032679E+19	4,034101E+19	6,101389E+20	2,441807E+21
1156	5,350411E+21	8,556365E+21	1,089448E+22	1,089410E+22	8,555751E+21	5,350000E+21	2,441640E+21	6,101202E+20	4,035524E+19	4,035386E+19	6,101142E+20	2,441607E+21
1157	5,349876E+21	8,555523E+21	1,089382E+22	1,089414E+22	8,556127E+21	5,350340E+21	2,441880E+21	6,102715E+20	4,039052E+19	4,038239E+19	6,101658E+20	2,441653E+21
1158	5,350057E+21	8,555871E+21	1,089401E+22	1,089398E+22	8,555749E+21	5,349912E+21	2,441590E+21	6,101690E+20	4,039262E+19	4,040608E+19	6,103327E+20	2,441926E+21
1159	5,350246E+21	8,555765E+21	1,089347E+22	1,089333E+22	8,555600E+21	5,350155E+21	2,441868E+21	6,103051E+20	4,040366E+19	4,039410E+19	6,101883E+20	2,441611E+21
1160	5,349810E+21	8,555412E+21	1,089360E+22	1,089383E+22	8,555888E+21	5,350208E+21	2,441819E+21	6,102664E+20	4,040115E+19	4,039851E+19	6,102449E+20	2,441790E+21
1161	5,350241E+21	8,556006E+21	1,089400E+22	1,089377E+22	8,555509E+21	5,349813E+21	2,441575E+21	6,101412E+20	4,037677E+19	4,038732E+19	6,102464E+20	2,441776E+21
1162	5,350082E+21	8,555696E+21	1,089368E+22	1,089379E+22	8,555941E+21	5,350290E+21	2,441874E+21	6,102447E+20	4,037242E+19	4,035627E+19	6,100668E+20	2,441495E+21
1163	5,349834E+21	8,555785E+21	1,089436E+22	1,089453E+22	8,556194E+21	5,350149E+21	2,441597E+21	6,100699E+20	4,034717E+19	4,035133E+19	6,101505E+20	2,441805E+21
1164	5,350389E+21	8,556308E+21	1,089456E+22	1,089434E+22	8,555920E+21	5,350031E+21	2,441547E+21	6,099969E+20	4,031527E+19	4,032035E+19	6,100342E+20	2,441616E+21
1165	5,350097E+21	8,555927E+21	1,089435E+22	1,089471E+22	8,556511E+21	5,350462E+21	2,441775E+21	6,100705E+20	4,031484E+19	4,029826E+19	6,099159E+20	2,441488E+21
1166	5,350233E+21	8,556555E+21	1,089516E+22	1,089511E+22	8,556459E+21	5,350140E+21	2,441431E+21	6,098815E+20	4,028775E+19	4,030063E+19	6,100185E+20	2,441731E+21
1167	5,350513E+21	8,556745E+21	1,089517E+22	1,089482E+22	8,556284E+21	5,350257E+21	2,441598E+21	6,099419E+20	4,028146E+19	4,027284E+19	6,098529E+20	2,441408E+21
1168	5,350035E+21	8,556240E+21	1,089513E+22	1,089537E+22	8,556730E+21	5,350433E+21	2,441656E+21	6,099765E+20	4,029461E+19	4,028730E+19	6,099037E+20	2,441518E+21
1169	5,350323E+21	8,556671E+21	1,089536E+22	1,089527E+22	8,556412E+21	5,350036E+21	2,441379E+21	6,098624E+20	4,028446E+19	4,030183E+19	6,100236E+20	2,441678E+21
1170	5,350306E+21	8,556327E+21	1,089464E+22	1,089464E+22	8,556406E+21	5,350397E+21	2,441732E+21	6,100565E+20	4,031514E+19	4,030305E+19	6,099354E+20	2,441453E+21
1171	5,349945E+21	8,555996E+21	1,089467E+22	1,089485E+22	8,556439E+21	5,350306E+21	2,441634E+21	6,100404E+20	4,033145E+19	4,033968E+19	6,101007E+20	2,441750E+21
1172	5,350396E+21	8,556360E+21	1,089455E+22	1,089421E+22	8,555739E+21	5,349917E+21	2,441545E+21	6,100567E+20	4,034542E+19	4,035579E+19	6,101593E+20	2,441709E+21
1173	5,350050E+21	8,555632E+21	1,089363E+22	1,089379E+22	8,555885E+21	5,350261E+21	2,441912E+21	6,103052E+20	4,039587E+19	4,038214E+19	6,101412E+20	2,441555E+21
1174	5,349855E+21	8,555637E+21	1,089380E+22	1,089383E+22	8,555739E+21	5,349961E+21	2,441662E+21	6,102440E+20	4,041355E+19	4,042604E+19	6,103742E+20	2,441921E+21
1175	5,350161E+21	8,555639E+21	1,089333E+22	1,089300E+22	8,555172E+21	5,349878E+21	2,441800E+21	6,103611E+20	4,043950E+19	4,043785E+19	6,103525E+20	2,441761E+21
1176	5,349736E+21	8,554882E+21	1,089267E+22	1,089300E+22	8,555467E+21	5,350145E+21	2,441997E+21	6,104860E+20	4,046776E+19	4,046100E+19	6,103925E+20	2,441806E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1177	5,349945E+21	8,555326E+21	1,089297E+22	1,089290E+22	8,555127E+21	5,349718E+21	2,441689E+21	6,103612E+20	4,046192E+19	4,047773E+19	6,105363E+20	2,442039E+21
1178	5,350090E+21	8,555233E+21	1,089253E+22	1,089231E+22	8,554975E+21	5,349974E+21	2,441976E+21	6,104940E+20	4,046994E+19	4,046184E+19	6,103846E+20	2,441724E+21
1179	5,349645E+21	8,554867E+21	1,089275E+22	1,089299E+22	8,555349E+21	5,350028E+21	2,441917E+21	6,104500E+20	4,046526E+19	4,046116E+19	6,104183E+20	2,441869E+21
1180	5,350057E+21	8,555486E+21	1,089317E+22	1,089297E+22	8,555039E+21	5,349662E+21	2,441666E+21	6,103157E+20	4,043864E+19	4,044976E+19	6,104311E+20	2,441883E+21
1181	5,349888E+21	8,555067E+21	1,089269E+22	1,089289E+22	8,555440E+21	5,350144E+21	2,441975E+21	6,104292E+20	4,043751E+19	4,042000E+19	6,102510E+20	2,441628E+21
1182	5,349743E+21	8,555288E+21	1,089339E+22	1,089356E+22	8,555712E+21	5,350068E+21	2,441723E+21	6,102574E+20	4,041313E+19	4,041682E+19	6,103326E+20	2,441912E+21
1183	5,350279E+21	8,555868E+21	1,089370E+22	1,089340E+22	8,555356E+21	5,349893E+21	2,441676E+21	6,101902E+20	4,038122E+19	4,038448E+19	6,102081E+20	2,441712E+21
1184	5,350003E+21	8,555515E+21	1,089354E+22	1,089380E+22	8,555898E+21	5,350242E+21	2,441858E+21	6,102541E+20	4,038059E+19	4,036342E+19	6,100929E+20	2,441565E+21
1185	5,350062E+21	8,556074E+21	1,089436E+22	1,089429E+22	8,555939E+21	5,349940E+21	2,441508E+21	6,100620E+20	4,035324E+19	4,036755E+19	6,102040E+20	2,441799E+21
1186	5,350264E+21	8,556113E+21	1,089422E+22	1,089394E+22	8,555777E+21	5,350101E+21	2,441696E+21	6,101350E+20	4,035164E+19	4,034496E+19	6,100667E+20	2,441538E+21
1187	5,349830E+21	8,555556E+21	1,089409E+22	1,089444E+22	8,556228E+21	5,350310E+21	2,441776E+21	6,101746E+20	4,036544E+19	4,035914E+19	6,101101E+20	2,441643E+21
1188	5,350161E+21	8,556066E+21	1,089431E+22	1,089424E+22	8,555836E+21	5,349898E+21	2,441510E+21	6,100653E+20	4,035583E+19	4,037448E+19	6,102371E+20	2,441810E+21
1189	5,350131E+21	8,555670E+21	1,089349E+22	1,089350E+22	8,555729E+21	5,350204E+21	2,441868E+21	6,102838E+20	4,039311E+19	4,037933E+19	6,101486E+20	2,441579E+21
1190	5,349805E+21	8,555434E+21	1,089356E+22	1,089367E+22	8,555783E+21	5,350156E+21	2,441787E+21	6,102810E+20	4,041455E+19	4,042087E+19	6,103217E+20	2,441846E+21
1191	5,350169E+21	8,555733E+21	1,089349E+22	1,089311E+22	8,555061E+21	5,349722E+21	2,441698E+21	6,103079E+20	4,043190E+19	4,044004E+19	6,103944E+20	2,441842E+21
1192	5,349870E+21	8,554977E+21	1,089251E+22	1,089269E+22	8,555214E+21	5,350013E+21	2,442007E+21	6,105357E+20	4,048085E+19	4,046856E+19	6,103919E+20	2,441719E+21
1193	5,349693E+21	8,554980E+21	1,089264E+22	1,089271E+22	8,555116E+21	5,349764E+21	2,441764E+21	6,104590E+20	4,049368E+19	4,050967E+19	6,106208E+20	2,442086E+21
1194	5,350011E+21	8,554999E+21	1,089220E+22	1,089187E+22	8,554518E+21	5,349704E+21	2,441924E+21	6,105728E+20	4,051617E+19	4,051812E+19	6,105903E+20	2,441932E+21
1195	5,349624E+21	8,554332E+21	1,089167E+22	1,089197E+22	8,554845E+21	5,349964E+21	2,442115E+21	6,106881E+20	4,053881E+19	4,053178E+19	6,105873E+20	2,441901E+21
1196	5,349785E+21	8,554839E+21	1,089210E+22	1,089196E+22	8,554540E+21	5,349551E+21	2,441809E+21	6,105572E+20	4,052941E+19	4,054416E+19	6,107190E+20	2,442104E+21
1197	5,349837E+21	8,554596E+21	1,089157E+22	1,089141E+22	8,554420E+21	5,349796E+21	2,442094E+21	6,107001E+20	4,053983E+19	4,052848E+19	6,105669E+20	2,441807E+21
1198	5,349438E+21	8,554259E+21	1,089172E+22	1,089204E+22	8,554888E+21	5,349938E+21	2,442048E+21	6,106552E+20	4,053667E+19	4,052994E+19	6,106077E+20	2,441957E+21
1199	5,349839E+21	8,554863E+21	1,089217E+22	1,089203E+22	8,554539E+21	5,349565E+21	2,441807E+21	6,105149E+20	4,050672E+19	4,051640E+19	6,106209E+20	2,442020E+21
1200	5,349807E+21	8,554570E+21	1,089173E+22	1,089192E+22	8,554850E+21	5,349940E+21	2,442050E+21	6,106008E+20	4,050063E+19	4,048403E+19	6,104356E+20	2,441758E+21
1201	5,349674E+21	8,554884E+21	1,089254E+22	1,089265E+22	8,555144E+21	5,349869E+21	2,441798E+21	6,104209E+20	4,047248E+19	4,047817E+19	6,105052E+20	2,442003E+21
1202	5,350139E+21	8,555431E+21	1,089293E+22	1,089257E+22	8,554810E+21	5,349720E+21	2,441766E+21	6,103600E+20	4,044209E+19	4,044667E+19	6,103872E+20	2,441807E+21
1203	5,349831E+21	8,555030E+21	1,089280E+22	1,089308E+22	8,555415E+21	5,350073E+21	2,441948E+21	6,104306E+20	4,044360E+19	4,042605E+19	6,102664E+20	2,441637E+21
1204	5,349847E+21	8,555520E+21	1,089351E+22	1,089351E+22	8,555505E+21	5,349821E+21	2,441612E+21	6,102448E+20	4,041895E+19	4,043433E+19	6,103976E+20	2,441899E+21
1205	5,350033E+21	8,555414E+21	1,089312E+22	1,089296E+22	8,555256E+21	5,349976E+21	2,441826E+21	6,103416E+20	4,042447E+19	4,041736E+19	6,102772E+20	2,441684E+21
1206	5,349711E+21	8,554963E+21	1,089290E+22	1,089328E+22	8,555651E+21	5,350213E+21	2,441933E+21	6,103974E+20	4,044273E+19	4,043628E+19	6,103259E+20	2,441766E+21
1207	5,350000E+21	8,555492E+21	1,089322E+22	1,089310E+22	8,555153E+21	5,349727E+21	2,441669E+21	6,103003E+20	4,043557E+19	4,045246E+19	6,104541E+20	2,441943E+21
1208	5,350008E+21	8,555125E+21	1,089244E+22	1,089236E+22	8,554967E+21	5,349917E+21	2,441961E+21	6,105066E+20	4,047394E+19	4,046048E+19	6,103763E+20	2,441701E+21
1209	5,349622E+21	8,554851E+21	1,089254E+22	1,089262E+22	8,555099E+21	5,349895E+21	2,441882E+21	6,105021E+20	4,049502E+19	4,050327E+19	6,105575E+20	2,441968E+21
1210	5,349934E+21	8,555046E+21	1,089239E+22	1,089206E+22	8,554444E+21	5,349528E+21	2,441808E+21	6,105302E+20	4,051384E+19	4,052466E+19	6,106454E+20	2,442009E+21
1211	5,349685E+21	8,554310E+21	1,089141E+22	1,089165E+22	8,554627E+21	5,349856E+21	2,442131E+21	6,107497E+20	4,055851E+19	4,054782E+19	6,106197E+20	2,441863E+21
1212	5,349545E+21	8,554399E+21	1,089160E+22	1,089167E+22	8,554531E+21	5,349626E+21	2,441904E+21	6,106708E+20	4,056804E+19	4,058447E+19	6,108330E+20	2,442201E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1213	5,349822E+21	8,554362E+21	1,089108E+22	1,089079E+22	8,553899E+21	5,349545E+21	2,442074E+21	6,107988E+20	4,059237E+19	4,059169E+19	6,107905E+20	2,442033E+21
1214	5,349456E+21	8,553775E+21	1,089060E+22	1,089090E+22	8,554280E+21	5,349852E+21	2,442278E+21	6,109188E+20	4,061630E+19	4,060536E+19	6,107824E+20	2,441966E+21
1215	5,349515E+21	8,554201E+21	1,089112E+22	1,089101E+22	8,553966E+21	5,349391E+21	2,441958E+21	6,107864E+20	4,060641E+19	4,061732E+19	6,109193E+20	2,442211E+21
1216	5,349642E+21	8,553943E+21	1,089050E+22	1,089041E+22	8,553822E+21	5,349571E+21	2,442173E+21	6,108976E+20	4,061257E+19	4,060170E+19	6,107800E+20	2,441952E+21
1217	5,349302E+21	8,553694E+21	1,089070E+22	1,089103E+22	8,554307E+21	5,349751E+21	2,442132E+21	6,108316E+20	4,060267E+19	4,059912E+19	6,108136E+20	2,442107E+21
1218	5,349737E+21	8,554365E+21	1,089122E+22	1,089104E+22	8,553950E+21	5,349388E+21	2,441896E+21	6,106852E+20	4,056934E+19	4,058219E+19	6,108166E+20	2,442166E+21
1219	5,349734E+21	8,554189E+21	1,089097E+22	1,089108E+22	8,554305E+21	5,349753E+21	2,442126E+21	6,107608E+20	4,055903E+19	4,054297E+19	6,105979E+20	2,441839E+21
1220	5,349549E+21	8,554512E+21	1,089187E+22	1,089191E+22	8,554664E+21	5,349710E+21	2,441887E+21	6,105858E+20	4,053096E+19	4,053645E+19	6,106631E+20	2,442049E+21
1221	5,349891E+21	8,554843E+21	1,089208E+22	1,089182E+22	8,554369E+21	5,349574E+21	2,441873E+21	6,105469E+20	4,050695E+19	4,050949E+19	6,105604E+20	2,441886E+21
1222	5,349623E+21	8,554432E+21	1,089178E+22	1,089217E+22	8,555015E+21	5,350018E+21	2,442088E+21	6,106326E+20	4,051412E+19	4,049532E+19	6,104593E+20	2,441728E+21
1223	5,349607E+21	8,554853E+21	1,089245E+22	1,089252E+22	8,554988E+21	5,349731E+21	2,441774E+21	6,104574E+20	4,049104E+19	4,050538E+19	6,105998E+20	2,442040E+21
1224	5,349919E+21	8,554830E+21	1,089201E+22	1,089184E+22	8,554593E+21	5,349758E+21	2,441929E+21	6,105431E+20	4,049712E+19	4,049123E+19	6,104925E+20	2,441834E+21
1225	5,349618E+21	8,554479E+21	1,089188E+22	1,089215E+22	8,554943E+21	5,349977E+21	2,442037E+21	6,106001E+20	4,051514E+19	4,051132E+19	6,105415E+20	2,441892E+21
1226	5,349840E+21	8,554955E+21	1,089224E+22	1,089203E+22	8,554459E+21	5,349495E+21	2,441778E+21	6,105144E+20	4,051231E+19	4,053071E+19	6,106826E+20	2,442081E+21
1227	5,349826E+21	8,554566E+21	1,089153E+22	1,089142E+22	8,554347E+21	5,349676E+21	2,442050E+21	6,107178E+20	4,055165E+19	4,053913E+19	6,106000E+20	2,441826E+21
1228	5,349424E+21	8,554234E+21	1,089153E+22	1,089166E+22	8,554555E+21	5,349724E+21	2,441995E+21	6,107183E+20	4,057375E+19	4,058300E+19	6,107871E+20	2,442099E+21
1229	5,349709E+21	8,554310E+21	1,089119E+22	1,089098E+22	8,553875E+21	5,349391E+21	2,441961E+21	6,107655E+20	4,059655E+19	4,060652E+19	6,108780E+20	2,442162E+21
1230	5,349549E+21	8,553704E+21	1,089021E+22	1,089046E+22	8,554034E+21	5,349758E+21	2,442313E+21	6,109960E+20	4,064261E+19	4,062992E+19	6,108419E+20	2,441967E+21
1231	5,349323E+21	8,553765E+21	1,089051E+22	1,089055E+22	8,553885E+21	5,349484E+21	2,442090E+21	6,109218E+20	4,065107E+19	4,066313E+19	6,110419E+20	2,442302E+21
1232	5,349632E+21	8,553736E+21	1,089000E+22	1,088969E+22	8,553211E+21	5,349297E+21	2,442184E+21	6,110235E+20	4,067198E+19	4,067048E+19	6,110082E+20	2,442138E+21
1233	5,349238E+21	8,553145E+21	1,088954E+22	1,088984E+22	8,553637E+21	5,349618E+21	2,442375E+21	6,111260E+20	4,069114E+19	4,068150E+19	6,110022E+20	2,442088E+21
1234	5,349287E+21	8,553514E+21	1,089002E+22	1,088998E+22	8,553390E+21	5,349213E+21	2,442055E+21	6,109786E+20	4,067742E+19	4,069100E+19	6,111408E+20	2,442375E+21
1235	5,349506E+21	8,553389E+21	1,088956E+22	1,088946E+22	8,553259E+21	5,349386E+21	2,442249E+21	6,110639E+20	4,067520E+19	4,066673E+19	6,109707E+20	2,442092E+21
1236	5,349227E+21	8,553275E+21	1,088988E+22	1,089015E+22	8,553779E+21	5,349584E+21	2,442218E+21	6,109925E+20	4,066082E+19	4,065815E+19	6,109805E+20	2,442202E+21
1237	5,349606E+21	8,553905E+21	1,089038E+22	1,089020E+22	8,553459E+21	5,349246E+21	2,442005E+21	6,108609E+20	4,062948E+19	4,064050E+19	6,109740E+20	2,442244E+21
1238	5,349606E+21	8,553782E+21	1,089018E+22	1,089026E+22	8,553873E+21	5,349660E+21	2,442257E+21	6,109501E+20	4,062332E+19	4,060420E+19	6,107584E+20	2,441883E+21
1239	5,349300E+21	8,553955E+21	1,089106E+22	1,089116E+22	8,554240E+21	5,349602E+21	2,442027E+21	6,107874E+20	4,059839E+19	4,060073E+19	6,108372E+20	2,442139E+21
1240	5,349701E+21	8,554219E+21	1,089107E+22	1,089090E+22	8,553869E+21	5,349399E+21	2,441960E+21	6,107333E+20	4,057555E+19	4,057947E+19	6,107649E+20	2,442024E+21
1241	5,349488E+21	8,553869E+21	1,089074E+22	1,089111E+22	8,554417E+21	5,349845E+21	2,442196E+21	6,108189E+20	4,058208E+19	4,056713E+19	6,106736E+20	2,441881E+21
1242	5,349483E+21	8,554295E+21	1,089141E+22	1,089143E+22	8,554339E+21	5,349538E+21	2,441885E+21	6,106524E+20	4,056093E+19	4,057815E+19	6,108146E+20	2,442190E+21
1243	5,349807E+21	8,554372E+21	1,089113E+22	1,089084E+22	8,553931E+21	5,349517E+21	2,442015E+21	6,107350E+20	4,056703E+19	4,056203E+19	6,106911E+20	2,441942E+21
1244	5,349466E+21	8,554008E+21	1,089105E+22	1,089124E+22	8,554333E+21	5,349749E+21	2,442134E+21	6,108037E+20	4,058782E+19	4,058397E+19	6,107419E+20	2,441973E+21
1245	5,349583E+21	8,554275E+21	1,089120E+22	1,089107E+22	8,553915E+21	5,349318E+21	2,441906E+21	6,107443E+20	4,059288E+19	4,060898E+19	6,109010E+20	2,442199E+21
1246	5,349614E+21	8,553887E+21	1,089035E+22	1,089035E+22	8,553858E+21	5,349591E+21	2,442214E+21	6,109596E+20	4,063648E+19	4,062261E+19	6,108311E+20	2,441946E+21
1247	5,349183E+21	8,553506E+21	1,089036E+22	1,089056E+22	8,553980E+21	5,349613E+21	2,442181E+21	6,109695E+20	4,065892E+19	4,066572E+19	6,110160E+20	2,442246E+21
1248	5,349555E+21	8,553626E+21	1,088995E+22	1,088975E+22	8,553186E+21	5,349178E+21	2,442094E+21	6,110025E+20	4,068057E+19	4,069078E+19	6,111148E+20	2,442304E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1249	5,349394E+21	8,553122E+21	1,088909E+22	1,088923E+22	8,553305E+21	5,349545E+21	2,442448E+21	6,112229E+20	4,072240E+19	4,071154E+19	6,110740E+20	2,442092E+21
1250	5,349106E+21	8,553113E+21	1,088943E+22	1,088943E+22	8,553186E+21	5,349258E+21	2,442213E+21	6,111462E+20	4,073059E+19	4,074333E+19	6,112725E+20	2,442432E+21
1251	5,349417E+21	8,553118E+21	1,088902E+22	1,088869E+22	8,552590E+21	5,349057E+21	2,442264E+21	6,112236E+20	4,074585E+19	4,074595E+19	6,112268E+20	2,442277E+21
1252	5,349076E+21	8,552559E+21	1,088855E+22	1,088887E+22	8,553080E+21	5,349428E+21	2,442456E+21	6,113107E+20	4,075998E+19	4,075194E+19	6,112084E+20	2,442225E+21
1253	5,349136E+21	8,552897E+21	1,088896E+22	1,088896E+22	8,552844E+21	5,349068E+21	2,442170E+21	6,111697E+20	4,074510E+19	4,075850E+19	6,113341E+20	2,442520E+21
1254	5,349445E+21	8,552953E+21	1,088862E+22	1,088849E+22	8,552759E+21	5,349276E+21	2,442379E+21	6,112556E+20	4,074158E+19	4,073134E+19	6,111426E+20	2,442172E+21
1255	5,349072E+21	8,552832E+21	1,088912E+22	1,088933E+22	8,553274E+21	5,349454E+21	2,442358E+21	6,111912E+20	4,072651E+19	4,071932E+19	6,111377E+20	2,442268E+21
1256	5,349441E+21	8,553400E+21	1,088955E+22	1,088938E+22	8,552956E+21	5,349055E+21	2,442094E+21	6,110460E+20	4,069496E+19	4,070479E+19	6,111468E+20	2,442311E+21
1257	5,349397E+21	8,553246E+21	1,088932E+22	1,088941E+22	8,553385E+21	5,349502E+21	2,442354E+21	6,111293E+20	4,068789E+19	4,067037E+19	6,109497E+20	2,441983E+21
1258	5,349073E+21	8,553294E+21	1,089006E+22	1,089023E+22	8,553757E+21	5,349479E+21	2,442135E+21	6,109686E+20	4,066379E+19	4,066867E+19	6,110383E+20	2,442274E+21
1259	5,349547E+21	8,553671E+21	1,089015E+22	1,088996E+22	8,553325E+21	5,349229E+21	2,442045E+21	6,109019E+20	4,063767E+19	4,064432E+19	6,109562E+20	2,442164E+21
1260	5,349404E+21	8,553416E+21	1,088986E+22	1,089014E+22	8,553835E+21	5,349656E+21	2,442286E+21	6,109946E+20	4,064499E+19	4,063116E+19	6,108548E+20	2,441985E+21
1261	5,349337E+21	8,553764E+21	1,089047E+22	1,089045E+22	8,553763E+21	5,349370E+21	2,442009E+21	6,108556E+20	4,063032E+19	4,064581E+19	6,110019E+20	2,442295E+21
1262	5,349664E+21	8,553871E+21	1,089021E+22	1,088989E+22	8,553394E+21	5,349362E+21	2,442149E+21	6,109583E+20	4,064453E+19	4,063661E+19	6,108918E+20	2,442022E+21
1263	5,349208E+21	8,553353E+21	1,089007E+22	1,089031E+22	8,553810E+21	5,349595E+21	2,442281E+21	6,110433E+20	4,067007E+19	4,066311E+19	6,109601E+20	2,442103E+21
1264	5,349385E+21	8,553550E+21	1,089000E+22	1,088996E+22	8,553335E+21	5,349135E+21	2,442021E+21	6,109735E+20	4,067720E+19	4,069443E+19	6,111468E+20	2,442363E+21
1265	5,349467E+21	8,553246E+21	1,088917E+22	1,088911E+22	8,553160E+21	5,349408E+21	2,442355E+21	6,111885E+20	4,071919E+19	4,070931E+19	6,110847E+20	2,442117E+21
1266	5,349028E+21	8,552849E+21	1,088917E+22	1,088932E+22	8,553268E+21	5,349417E+21	2,442325E+21	6,112036E+20	4,074150E+19	4,075019E+19	6,112569E+20	2,442389E+21
1267	5,349386E+21	8,553073E+21	1,088895E+22	1,088863E+22	8,552475E+21	5,348933E+21	2,442199E+21	6,112202E+20	4,075912E+19	4,077038E+19	6,113369E+20	2,442419E+21
1268	5,349201E+21	8,552542E+21	1,088813E+22	1,088820E+22	8,552649E+21	5,349308E+21	2,442547E+21	6,114344E+20	4,079819E+19	4,078746E+19	6,112852E+20	2,442186E+21
1269	5,348845E+21	8,552375E+21	1,088830E+22	1,088839E+22	8,552621E+21	5,349088E+21	2,442335E+21	6,113656E+20	4,080779E+19	4,081876E+19	6,114855E+20	2,442561E+21
1270	5,349236E+21	8,552465E+21	1,088788E+22	1,088764E+22	8,552082E+21	5,348949E+21	2,442402E+21	6,114383E+20	4,082142E+19	4,082015E+19	6,114329E+20	2,442396E+21
1271	5,348900E+21	8,551956E+21	1,088755E+22	1,088789E+22	8,552539E+21	5,349298E+21	2,442603E+21	6,115231E+20	4,083177E+19	4,082043E+19	6,113974E+20	2,442357E+21
1272	5,349045E+21	8,552376E+21	1,088796E+22	1,088794E+22	8,552265E+21	5,348884E+21	2,442274E+21	6,113650E+20	4,081406E+19	4,082671E+19	6,115211E+20	2,442626E+21
1273	5,349332E+21	8,552534E+21	1,088781E+22	1,088755E+22	8,552169E+21	5,349102E+21	2,442490E+21	6,114403E+20	4,080670E+19	4,079760E+19	6,113282E+20	2,442261E+21
1274	5,348882E+21	8,552302E+21	1,088830E+22	1,088850E+22	8,552756E+21	5,349284E+21	2,442460E+21	6,113779E+20	4,079245E+19	4,078534E+19	6,113223E+20	2,442351E+21
1275	5,349226E+21	8,552859E+21	1,088876E+22	1,088860E+22	8,552499E+21	5,348883E+21	2,442160E+21	6,112129E+20	4,075728E+19	4,076900E+19	6,113318E+20	2,442421E+21
1276	5,349234E+21	8,552699E+21	1,088845E+22	1,088855E+22	8,552912E+21	5,349362E+21	2,442431E+21	6,112913E+20	4,074852E+19	4,073316E+19	6,111344E+20	2,442105E+21
1277	5,348928E+21	8,552688E+21	1,088902E+22	1,088924E+22	8,553230E+21	5,349357E+21	2,442256E+21	6,111525E+20	4,072790E+19	4,073299E+19	6,112225E+20	2,442404E+21
1278	5,349466E+21	8,553197E+21	1,088919E+22	1,088896E+22	8,552796E+21	5,349106E+21	2,442177E+21	6,111011E+20	4,070602E+19	4,071079E+19	6,111362E+20	2,442252E+21
1279	5,349246E+21	8,552929E+21	1,088903E+22	1,088925E+22	8,553262E+21	5,349477E+21	2,442414E+21	6,112077E+20	4,071714E+19	4,069979E+19	6,110386E+20	2,442081E+21
1280	5,349165E+21	8,553176E+21	1,088948E+22	1,088946E+22	8,553158E+21	5,349142E+21	2,442106E+21	6,110702E+20	4,070719E+19	4,072208E+19	6,112132E+20	2,442400E+21
1281	5,349462E+21	8,553257E+21	1,088920E+22	1,088886E+22	8,552795E+21	5,349179E+21	2,442261E+21	6,111704E+20	4,072275E+19	4,071784E+19	6,111287E+20	2,442164E+21
1282	5,348996E+21	8,552641E+21	1,088893E+22	1,088921E+22	8,553211E+21	5,349439E+21	2,442408E+21	6,112627E+20	4,074992E+19	4,074584E+19	6,111999E+20	2,442254E+21
1283	5,349219E+21	8,552944E+21	1,088893E+22	1,088884E+22	8,552697E+21	5,348945E+21	2,442131E+21	6,111837E+20	4,075424E+19	4,077396E+19	6,113752E+20	2,442511E+21
1284	5,349342E+21	8,552699E+21	1,088814E+22	1,088799E+22	8,552498E+21	5,349210E+21	2,442471E+21	6,114014E+20	4,079495E+19	4,078625E+19	6,112997E+20	2,442229E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1285	5,348834E+21	8,552195E+21	1,088806E+22	1,088820E+22	8,552621E+21	5,349245E+21	2,442475E+21	6,114373E+20	4,082095E+19	4,082745E+19	6,114696E+20	2,442494E+21
1286	5,349183E+21	8,552437E+21	1,088788E+22	1,088759E+22	8,551893E+21	5,348772E+21	2,442352E+21	6,114633E+20	4,084228E+19	4,085024E+19	6,115539E+20	2,442513E+21
1287	5,348937E+21	8,551828E+21	1,088706E+22	1,088721E+22	8,552078E+21	5,349138E+21	2,442687E+21	6,116734E+20	4,088061E+19	4,086654E+19	6,115070E+20	2,442332E+21
1288	5,348671E+21	8,551656E+21	1,088708E+22	1,088723E+22	8,551992E+21	5,348902E+21	2,442450E+21	6,115872E+20	4,088833E+19	4,089928E+19	6,117161E+20	2,442721E+21
1289	5,349131E+21	8,551915E+21	1,088681E+22	1,088649E+22	8,551401E+21	5,348765E+21	2,442526E+21	6,116439E+20	4,089594E+19	4,089749E+19	6,116563E+20	2,442546E+21
1290	5,348786E+21	8,551437E+21	1,088658E+22	1,088686E+22	8,551916E+21	5,349111E+21	2,442715E+21	6,117238E+20	4,090314E+19	4,089216E+19	6,115961E+20	2,442460E+21
1291	5,348903E+21	8,551960E+21	1,088721E+22	1,088707E+22	8,551707E+21	5,348686E+21	2,442354E+21	6,115442E+20	4,087926E+19	4,089237E+19	6,117002E+20	2,442705E+21
1292	5,349154E+21	8,552052E+21	1,088706E+22	1,088679E+22	8,551686E+21	5,348928E+21	2,442563E+21	6,116093E+20	4,086810E+19	4,085913E+19	6,114981E+20	2,442327E+21
1293	5,348642E+21	8,551643E+21	1,088733E+22	1,088768E+22	8,552350E+21	5,349190E+21	2,442572E+21	6,115565E+20	4,085520E+19	4,084727E+19	6,114978E+20	2,442451E+21
1294	5,349053E+21	8,552258E+21	1,088777E+22	1,088772E+22	8,552083E+21	5,348812E+21	2,442289E+21	6,113954E+20	4,082084E+19	4,083179E+19	6,115065E+20	2,442517E+21
1295	5,349069E+21	8,552138E+21	1,088752E+22	1,088764E+22	8,552390E+21	5,349238E+21	2,442561E+21	6,114802E+20	4,081245E+19	4,079464E+19	6,113074E+20	2,442229E+21
1296	5,348839E+21	8,552182E+21	1,088802E+22	1,088820E+22	8,552629E+21	5,349177E+21	2,442357E+21	6,113406E+20	4,079429E+19	4,079923E+19	6,114064E+20	2,442510E+21
1297	5,349361E+21	8,552776E+21	1,088834E+22	1,088797E+22	8,552140E+21	5,348906E+21	2,442284E+21	6,112935E+20	4,077502E+19	4,078126E+19	6,113378E+20	2,442360E+21
1298	5,349070E+21	8,552379E+21	1,088813E+22	1,088834E+22	8,552678E+21	5,349265E+21	2,442509E+21	6,114116E+20	4,079099E+19	4,077457E+19	6,112506E+20	2,442191E+21
1299	5,348973E+21	8,552620E+21	1,088857E+22	1,088855E+22	8,552616E+21	5,348945E+21	2,442181E+21	6,112646E+20	4,078063E+19	4,079811E+19	6,114339E+20	2,442542E+21
1300	5,349308E+21	8,552666E+21	1,088820E+22	1,088787E+22	8,552223E+21	5,349009E+21	2,442355E+21	6,113662E+20	4,079616E+19	4,079408E+19	6,113497E+20	2,442304E+21
1301	5,348837E+21	8,551981E+21	1,088777E+22	1,088809E+22	8,552606E+21	5,349307E+21	2,442559E+21	6,114844E+20	4,082709E+19	4,082337E+19	6,114176E+20	2,442383E+21
1302	5,349071E+21	8,552358E+21	1,088784E+22	1,088774E+22	8,552093E+21	5,348811E+21	2,442298E+21	6,114252E+20	4,083632E+19	4,085307E+19	6,115850E+20	2,442593E+21
1303	5,349103E+21	8,552064E+21	1,088713E+22	1,088697E+22	8,551856E+21	5,349033E+21	2,442636E+21	6,116530E+20	4,087941E+19	4,086638E+19	6,115160E+20	2,442335E+21
1304	5,348598E+21	8,551454E+21	1,088684E+22	1,088705E+22	8,551956E+21	5,349031E+21	2,442605E+21	6,116845E+20	4,090807E+19	4,091255E+19	6,117062E+20	2,442615E+21
1305	5,348952E+21	8,551721E+21	1,088668E+22	1,088641E+22	8,551217E+21	5,348588E+21	2,442485E+21	6,116967E+20	4,092706E+19	4,093704E+19	6,118075E+20	2,442678E+21
1306	5,348747E+21	8,551107E+21	1,088585E+22	1,088604E+22	8,551418E+21	5,348945E+21	2,442805E+21	6,118945E+20	4,096136E+19	4,094924E+19	6,117467E+20	2,442495E+21
1307	5,348555E+21	8,551127E+21	1,088605E+22	1,088613E+22	8,551333E+21	5,348689E+21	2,442543E+21	6,117847E+20	4,096129E+19	4,097414E+19	6,119309E+20	2,442867E+21
1308	5,349044E+21	8,551474E+21	1,088595E+22	1,088554E+22	8,550804E+21	5,348572E+21	2,442611E+21	6,118256E+20	4,096215E+19	4,096500E+19	6,118437E+20	2,442641E+21
1309	5,348627E+21	8,550924E+21	1,088571E+22	1,088597E+22	8,551382E+21	5,348965E+21	2,442834E+21	6,119157E+20	4,096965E+19	4,095684E+19	6,117719E+20	2,442534E+21
1310	5,348705E+21	8,551413E+21	1,088634E+22	1,088629E+22	8,551291E+21	5,348583E+21	2,442482E+21	6,117417E+20	4,094702E+19	4,095709E+19	6,118715E+20	2,442764E+21
1311	5,348906E+21	8,551428E+21	1,088617E+22	1,088602E+22	8,551271E+21	5,348824E+21	2,442681E+21	6,117982E+20	4,093377E+19	4,092263E+19	6,116792E+20	2,442450E+21
1312	5,348491E+21	8,551001E+21	1,088621E+22	1,088664E+22	8,551806E+21	5,349053E+21	2,442679E+21	6,117400E+20	4,092138E+19	4,091399E+19	6,116900E+20	2,442584E+21
1313	5,348955E+21	8,551769E+21	1,088679E+22	1,088666E+22	8,551445E+21	5,348652E+21	2,442406E+21	6,115752E+20	4,088519E+19	4,089894E+19	6,117025E+20	2,442648E+21
1314	5,348968E+21	8,551681E+21	1,088664E+22	1,088668E+22	8,551761E+21	5,349025E+21	2,442651E+21	6,116639E+20	4,087851E+19	4,086131E+19	6,114930E+20	2,442323E+21
1315	5,348710E+21	8,551804E+21	1,088729E+22	1,088734E+22	8,552022E+21	5,348944E+21	2,442424E+21	6,115179E+20	4,085946E+19	4,086559E+19	6,115913E+20	2,442600E+21
1316	5,349191E+21	8,552300E+21	1,088756E+22	1,088719E+22	8,551631E+21	5,348706E+21	2,442347E+21	6,114693E+20	4,084102E+19	4,084810E+19	6,115264E+20	2,442450E+21
1317	5,348848E+21	8,551730E+21	1,088712E+22	1,088744E+22	8,552214E+21	5,349154E+21	2,442625E+21	6,116063E+20	4,086133E+19	4,084537E+19	6,114524E+20	2,442309E+21
1318	5,348794E+21	8,551980E+21	1,088750E+22	1,088760E+22	8,552147E+21	5,348868E+21	2,442337E+21	6,114804E+20	4,085545E+19	4,087151E+19	6,116346E+20	2,442645E+21
1319	5,349116E+21	8,552039E+21	1,088715E+22	1,088688E+22	8,551661E+21	5,348884E+21	2,442518E+21	6,115958E+20	4,087393E+19	4,086935E+19	6,115603E+20	2,442437E+21
1320	5,348683E+21	8,551338E+21	1,088657E+22	1,088689E+22	8,551930E+21	5,349133E+21	2,442711E+21	6,117238E+20	4,090964E+19	4,090469E+19	6,116421E+20	2,442496E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1321	5,348875E+21	8,551752E+21	1,088676E+22	1,088658E+22	8,551348E+21	5,348609E+21	2,442454E+21	6,116692E+20	4,092190E+19	4,093900E+19	6,118291E+20	2,442721E+21
1322	5,348863E+21	8,551344E+21	1,088598E+22	1,088586E+22	8,551165E+21	5,348795E+21	2,442756E+21	6,118957E+20	4,096679E+19	4,095433E+19	6,117666E+20	2,442477E+21
1323	5,348401E+21	8,550815E+21	1,088571E+22	1,088590E+22	8,551280E+21	5,348799E+21	2,442694E+21	6,119022E+20	4,099038E+19	4,099755E+19	6,119565E+20	2,442795E+21
1324	5,348829E+21	8,551123E+21	1,088557E+22	1,088527E+22	8,550549E+21	5,348374E+21	2,442574E+21	6,118994E+20	4,100353E+19	4,101626E+19	6,120378E+20	2,442840E+21
1325	5,348635E+21	8,550531E+21	1,088474E+22	1,088493E+22	8,550789E+21	5,348778E+21	2,442929E+21	6,121010E+20	4,103517E+19	4,102357E+19	6,119557E+20	2,442627E+21
1326	5,348444E+21	8,550643E+21	1,088513E+22	1,088520E+22	8,550783E+21	5,348546E+21	2,442684E+21	6,119990E+20	4,103493E+19	4,104452E+19	6,121131E+20	2,442930E+21
1327	5,348824E+21	8,550930E+21	1,088512E+22	1,088475E+22	8,550298E+21	5,348424E+21	2,442746E+21	6,120357E+20	4,103324E+19	4,103240E+19	6,120237E+20	2,442717E+21
1328	5,348392E+21	8,550270E+21	1,088467E+22	1,088504E+22	8,550881E+21	5,348823E+21	2,442952E+21	6,121174E+20	4,104063E+19	4,102589E+19	6,119619E+20	2,442617E+21
1329	5,348472E+21	8,550786E+21	1,088533E+22	1,088531E+22	8,550752E+21	5,348469E+21	2,442611E+21	6,119313E+20	4,101521E+19	4,102676E+19	6,120716E+20	2,442882E+21
1330	5,348717E+21	8,550795E+21	1,088512E+22	1,088504E+22	8,550713E+21	5,348669E+21	2,442789E+21	6,119803E+20	4,099902E+19	4,098914E+19	6,118705E+20	2,442574E+21
1331	5,348399E+21	8,550580E+21	1,088531E+22	1,088565E+22	8,551200E+21	5,348851E+21	2,442754E+21	6,119046E+20	4,098193E+19	4,097648E+19	6,118707E+20	2,442707E+21
1332	5,348880E+21	8,551397E+21	1,088602E+22	1,088579E+22	8,550873E+21	5,348447E+21	2,442471E+21	6,117347E+20	4,094342E+19	4,095829E+19	6,118705E+20	2,442740E+21
1333	5,348827E+21	8,551231E+21	1,088585E+22	1,088587E+22	8,551246E+21	5,348853E+21	2,442744E+21	6,118395E+20	4,094141E+19	4,092360E+19	6,116675E+20	2,442411E+21
1334	5,348534E+21	8,551284E+21	1,088648E+22	1,088661E+22	8,551603E+21	5,348811E+21	2,442539E+21	6,117152E+20	4,092856E+19	4,093250E+19	6,117719E+20	2,442677E+21
1335	5,348959E+21	8,551682E+21	1,088665E+22	1,088640E+22	8,551209E+21	5,348602E+21	2,442473E+21	6,116722E+20	4,091306E+19	4,091871E+19	6,117289E+20	2,442586E+21
1336	5,348685E+21	8,551070E+21	1,088592E+22	1,088632E+22	8,551637E+21	5,349028E+21	2,442767E+21	6,118222E+20	4,093826E+19	4,092295E+19	6,116728E+20	2,442446E+21
1337	5,348647E+21	8,551404E+21	1,088639E+22	1,088642E+22	8,551460E+21	5,348721E+21	2,442500E+21	6,117084E+20	4,093552E+19	4,095296E+19	6,118639E+20	2,442775E+21
1338	5,348938E+21	8,551431E+21	1,088606E+22	1,088575E+22	8,550963E+21	5,348667E+21	2,442654E+21	6,118326E+20	4,095743E+19	4,095292E+19	6,117919E+20	2,442552E+21
1339	5,348500E+21	8,550791E+21	1,088552E+22	1,088576E+22	8,551204E+21	5,348874E+21	2,442815E+21	6,119503E+20	4,099177E+19	4,098816E+19	6,118800E+20	2,442629E+21
1340	5,348665E+21	8,551104E+21	1,088568E+22	1,088552E+22	8,550703E+21	5,348371E+21	2,442542E+21	6,118854E+20	4,100207E+19	4,102062E+19	6,120656E+20	2,442864E+21
1341	5,348652E+21	8,550628E+21	1,088478E+22	1,088472E+22	8,550539E+21	5,348613E+21	2,442869E+21	6,121112E+20	4,104646E+19	4,103568E+19	6,120024E+20	2,442637E+21
1342	5,348249E+21	8,550168E+21	1,088457E+22	1,088483E+22	8,550680E+21	5,348645E+21	2,442839E+21	6,121281E+20	4,106971E+19	4,107519E+19	6,121692E+20	2,442916E+21
1343	5,348669E+21	8,550552E+21	1,088456E+22	1,088429E+22	8,549984E+21	5,348226E+21	2,442717E+21	6,121205E+20	4,107988E+19	4,109034E+19	6,122417E+20	2,442963E+21
1344	5,348486E+21	8,549966E+21	1,088366E+22	1,088383E+22	8,550166E+21	5,348615E+21	2,443070E+21	6,123234E+20	4,111213E+19	4,109840E+19	6,121573E+20	2,442715E+21
1345	5,348239E+21	8,550094E+21	1,088421E+22	1,088421E+22	8,550169E+21	5,348397E+21	2,442839E+21	6,122213E+20	4,111174E+19	4,111986E+19	6,123186E+20	2,443017E+21
1346	5,348568E+21	8,550259E+21	1,088412E+22	1,088385E+22	8,549783E+21	5,348250E+21	2,442860E+21	6,122449E+20	4,110765E+19	4,110664E+19	6,122305E+20	2,442823E+21
1347	5,348201E+21	8,549694E+21	1,088364E+22	1,088404E+22	8,550325E+21	5,348645E+21	2,443033E+21	6,122957E+20	4,110782E+19	4,109554E+19	6,121685E+20	2,442765E+21
1348	5,348349E+21	8,550248E+21	1,088435E+22	1,088433E+22	8,550183E+21	5,348287E+21	2,442684E+21	6,120931E+20	4,107563E+19	4,108983E+19	6,122562E+20	2,443012E+21
1349	5,348618E+21	8,550319E+21	1,088420E+22	1,088407E+22	8,550144E+21	5,348495E+21	2,442879E+21	6,121448E+20	4,105844E+19	4,104943E+19	6,120422E+20	2,442685E+21
1350	5,348306E+21	8,550183E+21	1,088457E+22	1,088486E+22	8,550694E+21	5,348688E+21	2,442863E+21	6,120867E+20	4,104446E+19	4,103620E+19	6,120264E+20	2,442765E+21
1351	5,348695E+21	8,550937E+21	1,088531E+22	1,088512E+22	8,550443E+21	5,348301E+21	2,442578E+21	6,119212E+20	4,100776E+19	4,101978E+19	6,120396E+20	2,442825E+21
1352	5,348622E+21	8,550637E+21	1,088488E+22	1,088499E+22	8,550789E+21	5,348720E+21	2,442852E+21	6,120326E+20	4,101096E+19	4,099237E+19	6,118606E+20	2,442515E+21
1353	5,348335E+21	8,550686E+21	1,088549E+22	1,088564E+22	8,551081E+21	5,348712E+21	2,442682E+21	6,119164E+20	4,100075E+19	4,100626E+19	6,119817E+20	2,442803E+21
1354	5,348774E+21	8,551035E+21	1,088556E+22	1,088538E+22	8,550649E+21	5,348452E+21	2,442606E+21	6,118802E+20	4,098725E+19	4,099407E+19	6,119416E+20	2,442715E+21
1355	5,348571E+21	8,550593E+21	1,088490E+22	1,088520E+22	8,550974E+21	5,348825E+21	2,442875E+21	6,120237E+20	4,101134E+19	4,099870E+19	6,118911E+20	2,442585E+21
1356	5,348511E+21	8,550896E+21	1,088543E+22	1,088535E+22	8,550786E+21	5,348493E+21	2,442601E+21	6,119143E+20	4,100930E+19	4,102767E+19	6,120741E+20	2,442884E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1357	5,348735E+21	8,550820E+21	1,088502E+22	1,088470E+22	8,550323E+21	5,348452E+21	2,442772E+21	6,120532E+20	4,103614E+19	4,103160E+19	6,120163E+20	2,442680E+21
1358	5,348295E+21	8,550132E+21	1,088448E+22	1,088478E+22	8,550630E+21	5,348678E+21	2,442940E+21	6,121831E+20	4,107431E+19	4,106910E+19	6,121043E+20	2,442753E+21
1359	5,348443E+21	8,550400E+21	1,088455E+22	1,088448E+22	8,550133E+21	5,348211E+21	2,442676E+21	6,121159E+20	4,108461E+19	4,110214E+19	6,123003E+20	2,443031E+21
1360	5,348497E+21	8,549942E+21	1,088351E+22	1,088347E+22	8,549860E+21	5,348440E+21	2,443013E+21	6,123438E+20	4,112980E+19	4,111928E+19	6,122367E+20	2,442785E+21
1361	5,348113E+21	8,549614E+21	1,088350E+22	1,088364E+22	8,549969E+21	5,348472E+21	2,443003E+21	6,123681E+20	4,115363E+19	4,115832E+19	6,123949E+20	2,443028E+21
1362	5,348466E+21	8,549948E+21	1,088353E+22	1,088325E+22	8,549359E+21	5,348030E+21	2,442859E+21	6,123580E+20	4,116286E+19	4,117174E+19	6,124569E+20	2,443046E+21
1363	5,348274E+21	8,549422E+21	1,088270E+22	1,088282E+22	8,549557E+21	5,348402E+21	2,443173E+21	6,125354E+20	4,118890E+19	4,117578E+19	6,123750E+20	2,442824E+21
1364	5,348003E+21	8,549438E+21	1,088320E+22	1,088327E+22	8,549639E+21	5,348215E+21	2,442926E+21	6,124126E+20	4,118189E+19	4,119088E+19	6,125210E+20	2,443130E+21
1365	5,348352E+21	8,549576E+21	1,088302E+22	1,088284E+22	8,549265E+21	5,348115E+21	2,442966E+21	6,124243E+20	4,117309E+19	4,117422E+19	6,124294E+20	2,442966E+21
1366	5,348076E+21	8,549129E+21	1,088267E+22	1,088310E+22	8,549796E+21	5,348497E+21	2,443147E+21	6,124770E+20	4,117108E+19	4,115761E+19	6,123412E+20	2,442875E+21
1367	5,348234E+21	8,549779E+21	1,088350E+22	1,088347E+22	8,549688E+21	5,348147E+21	2,442793E+21	6,122694E+20	4,113634E+19	4,114917E+19	6,124233E+20	2,443122E+21
1368	5,348506E+21	8,549866E+21	1,088332E+22	1,088313E+22	8,549584E+21	5,348330E+21	2,442984E+21	6,123268E+20	4,112248E+19	4,111209E+19	6,122144E+20	2,442773E+21
1369	5,348153E+21	8,549744E+21	1,088381E+22	1,088402E+22	8,550157E+21	5,348532E+21	2,442984E+21	6,122816E+20	4,111297E+19	4,110372E+19	6,122116E+20	2,442853E+21
1370	5,348486E+21	8,550351E+21	1,088442E+22	1,088432E+22	8,550011E+21	5,348151E+21	2,442679E+21	6,121153E+20	4,107806E+19	4,109022E+19	6,122352E+20	2,442934E+21
1371	5,348483E+21	8,550132E+21	1,088392E+22	1,088400E+22	8,550250E+21	5,348555E+21	2,442938E+21	6,122118E+20	4,107892E+19	4,106371E+19	6,120718E+20	2,442669E+21
1372	5,348222E+21	8,550154E+21	1,088451E+22	1,088463E+22	8,550505E+21	5,348536E+21	2,442779E+21	6,120977E+20	4,106669E+19	4,107490E+19	6,121773E+20	2,442925E+21
1373	5,348640E+21	8,550510E+21	1,088458E+22	1,088434E+22	8,550043E+21	5,348267E+21	2,442718E+21	6,120755E+20	4,105699E+19	4,106498E+19	6,121415E+20	2,442828E+21
1374	5,348408E+21	8,550059E+21	1,088401E+22	1,088424E+22	8,550366E+21	5,348631E+21	2,443006E+21	6,122436E+20	4,108691E+19	4,107189E+19	6,120855E+20	2,442662E+21
1375	5,348268E+21	8,550261E+21	1,088446E+22	1,088445E+22	8,550256E+21	5,348323E+21	2,442731E+21	6,121400E+20	4,108790E+19	4,110384E+19	6,122866E+20	2,442994E+21
1376	5,348485E+21	8,550073E+21	1,088380E+22	1,088356E+22	8,549719E+21	5,348279E+21	2,442903E+21	6,122872E+20	4,112027E+19	4,111484E+19	6,122511E+20	2,442819E+21
1377	5,348088E+21	8,549435E+21	1,088329E+22	1,088358E+22	8,549962E+21	5,348523E+21	2,443099E+21	6,124254E+20	4,116038E+19	4,115523E+19	6,123462E+20	2,442904E+21
1378	5,348259E+21	8,549702E+21	1,088335E+22	1,088332E+22	8,549491E+21	5,348029E+21	2,442823E+21	6,123580E+20	4,117040E+19	4,118743E+19	6,125344E+20	2,443169E+21
1379	5,348379E+21	8,549430E+21	1,088243E+22	1,088227E+22	8,549155E+21	5,348218E+21	2,443128E+21	6,125653E+20	4,121038E+19	4,120209E+19	6,124714E+20	2,442927E+21
1380	5,347959E+21	8,549070E+21	1,088253E+22	1,088260E+22	8,549318E+21	5,348251E+21	2,443113E+21	6,125832E+20	4,123034E+19	4,123525E+19	6,126076E+20	2,443128E+21
1381	5,348241E+21	8,549314E+21	1,088253E+22	1,088228E+22	8,548794E+21	5,347846E+21	2,442975E+21	6,125702E+20	4,123883E+19	4,124836E+19	6,126740E+20	2,443165E+21
1382	5,348052E+21	8,548754E+21	1,088171E+22	1,088191E+22	8,549056E+21	5,348252E+21	2,443290E+21	6,127426E+20	4,126262E+19	4,124849E+19	6,125791E+20	2,442944E+21
1383	5,347808E+21	8,548771E+21	1,088214E+22	1,088230E+22	8,549151E+21	5,348098E+21	2,443046E+21	6,126051E+20	4,125071E+19	4,125933E+19	6,127196E+20	2,443273E+21
1384	5,348225E+21	8,548974E+21	1,088190E+22	1,088171E+22	8,548655E+21	5,347961E+21	2,443085E+21	6,126158E+20	4,124062E+19	4,124186E+19	6,126207E+20	2,443097E+21
1385	5,347991E+21	8,548703E+21	1,088180E+22	1,088208E+22	8,549157E+21	5,348323E+21	2,443272E+21	6,126729E+20	4,123918E+19	4,122440E+19	6,125224E+20	2,442970E+21
1386	5,348089E+21	8,549305E+21	1,088269E+22	1,088262E+22	8,549156E+21	5,347965E+21	2,442902E+21	6,124654E+20	4,120450E+19	4,121552E+19	6,125975E+20	2,443195E+21
1387	5,348360E+21	8,549449E+21	1,088256E+22	1,088231E+22	8,549068E+21	5,348130E+21	2,443051E+21	6,124992E+20	4,118713E+19	4,117828E+19	6,124036E+20	2,442879E+21
1388	5,347981E+21	8,549221E+21	1,088299E+22	1,088322E+22	8,549697E+21	5,348362E+21	2,443050E+21	6,124470E+20	4,117495E+19	4,116729E+19	6,123910E+20	2,442953E+21
1389	5,348302E+21	8,549756E+21	1,088346E+22	1,088342E+22	8,549554E+21	5,348036E+21	2,442781E+21	6,122859E+20	4,114050E+19	4,115480E+19	6,124207E+20	2,443054E+21
1390	5,348345E+21	8,549590E+21	1,088303E+22	1,088312E+22	8,549751E+21	5,348420E+21	2,443056E+21	6,123984E+20	4,114405E+19	4,112801E+19	6,122483E+20	2,442766E+21
1391	5,348070E+21	8,549613E+21	1,088358E+22	1,088371E+22	8,549994E+21	5,348404E+21	2,442908E+21	6,122966E+20	4,113473E+19	4,114144E+19	6,123605E+20	2,443016E+21
1392	5,348443E+21	8,549909E+21	1,088355E+22	1,088327E+22	8,549422E+21	5,348102E+21	2,442859E+21	6,122976E+20	4,113340E+19	4,113942E+19	6,123472E+20	2,442930E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1393	5,348199E+21	8,549453E+21	1,088302E+22	1,088319E+22	8,549721E+21	5,348442E+21	2,443149E+21	6,124838E+20	4,117102E+19	4,115466E+19	6,123146E+20	2,442781E+21
1394	5,348027E+21	8,549514E+21	1,088330E+22	1,088337E+22	8,549674E+21	5,348143E+21	2,442861E+21	6,123809E+20	4,117477E+19	4,119052E+19	6,125289E+20	2,443146E+21
1395	5,348345E+21	8,549453E+21	1,088261E+22	1,088232E+22	8,549018E+21	5,348060E+21	2,443004E+21	6,125061E+20	4,120366E+19	4,120236E+19	6,125086E+20	2,443010E+21
1396	5,347984E+21	8,548852E+21	1,088217E+22	1,088238E+22	8,549249E+21	5,348282E+21	2,443199E+21	6,126404E+20	4,123967E+19	4,123726E+19	6,125786E+20	2,443050E+21
1397	5,348124E+21	8,549134E+21	1,088228E+22	1,088218E+22	8,548832E+21	5,347828E+21	2,442946E+21	6,125804E+20	4,125053E+19	4,126879E+19	6,127614E+20	2,443294E+21
1398	5,348197E+21	8,548849E+21	1,088152E+22	1,088132E+22	8,548547E+21	5,348024E+21	2,443261E+21	6,127952E+20	4,129056E+19	4,128078E+19	6,126841E+20	2,443020E+21
1399	5,347713E+21	8,548389E+21	1,088152E+22	1,088169E+22	8,548822E+21	5,348107E+21	2,443246E+21	6,128060E+20	4,130831E+19	4,131128E+19	6,128199E+20	2,443231E+21
1400	5,347979E+21	8,548554E+21	1,088132E+22	1,088116E+22	8,548231E+21	5,347721E+21	2,443114E+21	6,127892E+20	4,131633E+19	4,132538E+19	6,128920E+20	2,443297E+21
1401	5,347867E+21	8,548098E+21	1,088059E+22	1,088076E+22	8,548424E+21	5,348120E+21	2,443437E+21	6,129571E+20	4,133784E+19	4,132306E+19	6,127881E+20	2,443076E+21
1402	5,347662E+21	8,548162E+21	1,088107E+22	1,088125E+22	8,548566E+21	5,347940E+21	2,443173E+21	6,128101E+20	4,132231E+19	4,132953E+19	6,129086E+20	2,443387E+21
1403	5,348157E+21	8,548579E+21	1,088100E+22	1,088067E+22	8,548006E+21	5,347743E+21	2,443165E+21	6,127948E+20	4,130619E+19	4,130883E+19	6,128108E+20	2,443215E+21
1404	5,347889E+21	8,548300E+21	1,088107E+22	1,088125E+22	8,548588E+21	5,348094E+21	2,443339E+21	6,128446E+20	4,130122E+19	4,128626E+19	6,126933E+20	2,443054E+21
1405	5,347920E+21	8,548813E+21	1,088192E+22	1,088188E+22	8,548711E+21	5,347798E+21	2,442980E+21	6,126376E+20	4,126739E+19	4,127935E+19	6,127782E+20	2,443294E+21
1406	5,348173E+21	8,548891E+21	1,088178E+22	1,088160E+22	8,548660E+21	5,348003E+21	2,443140E+21	6,126713E+20	4,125011E+19	4,124104E+19	6,125803E+20	2,442983E+21
1407	5,347820E+21	8,548645E+21	1,088207E+22	1,088239E+22	8,549290E+21	5,348284E+21	2,443164E+21	6,126189E+20	4,123668E+19	4,122938E+19	6,125667E+20	2,443055E+21
1408	5,348146E+21	8,549180E+21	1,088242E+22	1,088237E+22	8,548996E+21	5,347919E+21	2,442913E+21	6,124787E+20	4,120748E+19	4,122121E+19	6,126023E+20	2,443151E+21
1409	5,348202E+21	8,549097E+21	1,088212E+22	1,088209E+22	8,549122E+21	5,348269E+21	2,443201E+21	6,126146E+20	4,121823E+19	4,120015E+19	6,124414E+20	2,442850E+21
1410	5,347864E+21	8,549002E+21	1,088260E+22	1,088275E+22	8,549422E+21	5,348233E+21	2,443043E+21	6,125242E+20	4,121343E+19	4,121805E+19	6,125641E+20	2,443106E+21
1411	5,348256E+21	8,549321E+21	1,088251E+22	1,088222E+22	8,548789E+21	5,347877E+21	2,442948E+21	6,125090E+20	4,121234E+19	4,122049E+19	6,125848E+20	2,443084E+21
1412	5,348025E+21	8,548805E+21	1,088194E+22	1,088213E+22	8,549090E+21	5,348211E+21	2,443229E+21	6,126870E+20	4,124771E+19	4,123455E+19	6,125473E+20	2,442939E+21
1413	5,347875E+21	8,548862E+21	1,088215E+22	1,088223E+22	8,549033E+21	5,347958E+21	2,442973E+21	6,125899E+20	4,125203E+19	4,127105E+19	6,127641E+20	2,443311E+21
1414	5,348221E+21	8,548876E+21	1,088161E+22	1,088128E+22	8,548380E+21	5,347868E+21	2,443125E+21	6,127229E+20	4,128153E+19	4,128089E+19	6,127274E+20	2,443140E+21
1415	5,347844E+21	8,548304E+21	1,088118E+22	1,088137E+22	8,548668E+21	5,348131E+21	2,443336E+21	6,128622E+20	4,131761E+19	4,131425E+19	6,127893E+20	2,443146E+21
1416	5,347899E+21	8,548489E+21	1,088120E+22	1,088108E+22	8,548204E+21	5,347677E+21	2,443107E+21	6,128242E+20	4,133431E+19	4,134982E+19	6,129810E+20	2,443394E+21
1417	5,347958E+21	8,548180E+21	1,088047E+22	1,088027E+22	8,547943E+21	5,347875E+21	2,443420E+21	6,130453E+20	4,137723E+19	4,136522E+19	6,129158E+20	2,443139E+21
1418	5,347465E+21	8,547603E+21	1,088029E+22	1,088060E+22	8,548267E+21	5,347973E+21	2,443396E+21	6,130450E+20	4,139259E+19	4,139374E+19	6,130469E+20	2,443369E+21
1419	5,347838E+21	8,547929E+21	1,088013E+22	1,087994E+22	8,547540E+21	5,347523E+21	2,443222E+21	6,129950E+20	4,139246E+19	4,140428E+19	6,131236E+20	2,443470E+21
1420	5,347783E+21	8,547589E+21	1,087959E+22	1,087967E+22	8,547714E+21	5,347860E+21	2,443514E+21	6,131438E+20	4,140633E+19	4,139307E+19	6,129852E+20	2,443198E+21
1421	5,347550E+21	8,547701E+21	1,088017E+22	1,088026E+22	8,547941E+21	5,347733E+21	2,443265E+21	6,129956E+20	4,138926E+19	4,139695E+19	6,130946E+20	2,443482E+21
1422	5,347996E+21	8,548118E+21	1,088031E+22	1,087996E+22	8,547510E+21	5,347556E+21	2,443249E+21	6,129747E+20	4,137086E+19	4,137215E+19	6,129816E+20	2,443286E+21
1423	5,347693E+21	8,547768E+21	1,088028E+22	1,088056E+22	8,548218E+21	5,347977E+21	2,443426E+21	6,130165E+20	4,136392E+19	4,134763E+19	6,128633E+20	2,443127E+21
1424	5,347691E+21	8,548174E+21	1,088092E+22	1,088098E+22	8,548282E+21	5,347732E+21	2,443106E+21	6,128210E+20	4,133214E+19	4,134330E+19	6,129554E+20	2,443394E+21
1425	5,348006E+21	8,548326E+21	1,088084E+22	1,088066E+22	8,548154E+21	5,347917E+21	2,443279E+21	6,128638E+20	4,131716E+19	4,130718E+19	6,127629E+20	2,443087E+21
1426	5,347667E+21	8,548060E+21	1,088105E+22	1,088143E+22	8,548775E+21	5,348169E+21	2,443300E+21	6,128178E+20	4,130512E+19	4,129669E+19	6,127463E+20	2,443147E+21
1427	5,348032E+21	8,548721E+21	1,088148E+22	1,088132E+22	8,548345E+21	5,347722E+21	2,443011E+21	6,126668E+20	4,127588E+19	4,129171E+19	6,128054E+20	2,443273E+21
1428	5,348063E+21	8,548609E+21	1,088126E+22	1,088115E+22	8,548464E+21	5,348009E+21	2,443276E+21	6,128047E+20	4,128798E+19	4,127149E+19	6,126456E+20	2,442966E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1429	5,347688E+21	8,548422E+21	1,088162E+22	1,088179E+22	8,548846E+21	5,348031E+21	2,443132E+21	6,127236E+20	4,128733E+19	4,129471E+19	6,127883E+20	2,443252E+21
1430	5,348087E+21	8,548706E+21	1,088153E+22	1,088128E+22	8,548229E+21	5,347694E+21	2,443041E+21	6,127103E+20	4,128784E+19	4,129749E+19	6,128093E+20	2,443243E+21
1431	5,347905E+21	8,548217E+21	1,088088E+22	1,088110E+22	8,548523E+21	5,348058E+21	2,443342E+21	6,128896E+20	4,132253E+19	4,131088E+19	6,127650E+20	2,443075E+21
1432	5,347728E+21	8,548266E+21	1,088102E+22	1,088106E+22	8,548369E+21	5,347805E+21	2,443128E+21	6,128223E+20	4,133286E+19	4,135055E+19	6,129805E+20	2,443425E+21
1433	5,348052E+21	8,548320E+21	1,088061E+22	1,088020E+22	8,547715E+21	5,347710E+21	2,443295E+21	6,129768E+20	4,136871E+19	4,136526E+19	6,129502E+20	2,443227E+21
1434	5,347589E+21	8,547607E+21	1,088008E+22	1,088035E+22	8,548095E+21	5,347985E+21	2,443505E+21	6,131212E+20	4,140651E+19	4,139975E+19	6,130143E+20	2,443234E+21
1435	5,347653E+21	8,547790E+21	1,088003E+22	1,087993E+22	8,547553E+21	5,347484E+21	2,443233E+21	6,130609E+20	4,142045E+19	4,143654E+19	6,132287E+20	2,443540E+21
1436	5,347740E+21	8,547451E+21	1,087927E+22	1,087913E+22	8,547273E+21	5,347659E+21	2,443528E+21	6,132600E+20	4,145591E+19	4,144593E+19	6,131486E+20	2,443293E+21
1437	5,347307E+21	8,546936E+21	1,087909E+22	1,087943E+22	8,547604E+21	5,347781E+21	2,443507E+21	6,132485E+20	4,146695E+19	4,147011E+19	6,132682E+20	2,443521E+21
1438	5,347711E+21	8,547384E+21	1,087916E+22	1,087893E+22	8,546904E+21	5,347314E+21	2,443319E+21	6,131880E+20	4,146187E+19	4,147379E+19	6,133188E+20	2,443592E+21
1439	5,347672E+21	8,547135E+21	1,087874E+22	1,087878E+22	8,547172E+21	5,347688E+21	2,443607E+21	6,133239E+20	4,147128E+19	4,145708E+19	6,131617E+20	2,443278E+21
1440	5,347364E+21	8,547188E+21	1,087931E+22	1,087938E+22	8,547405E+21	5,347588E+21	2,443388E+21	6,131944E+20	4,145802E+19	4,146296E+19	6,132731E+20	2,443564E+21
1441	5,347797E+21	8,547577E+21	1,087947E+22	1,087917E+22	8,547069E+21	5,347447E+21	2,443371E+21	6,131747E+20	4,144156E+19	4,144094E+19	6,131686E+20	2,443379E+21
1442	5,347490E+21	8,547138E+21	1,087928E+22	1,087971E+22	8,547813E+21	5,347904E+21	2,443555E+21	6,132083E+20	4,143252E+19	4,141521E+19	6,130475E+20	2,443236E+21
1443	5,347575E+21	8,547654E+21	1,087990E+22	1,087994E+22	8,547700E+21	5,347584E+21	2,443207E+21	6,129947E+20	4,139653E+19	4,141058E+19	6,131500E+20	2,443527E+21
1444	5,347914E+21	8,547875E+21	1,087994E+22	1,087970E+22	8,547519E+21	5,347691E+21	2,443359E+21	6,130326E+20	4,137882E+19	4,137107E+19	6,129443E+20	2,443196E+21
1445	5,347548E+21	8,547604E+21	1,088016E+22	1,088048E+22	8,548169E+21	5,347969E+21	2,443393E+21	6,129988E+20	4,137033E+19	4,136381E+19	6,129364E+20	2,443245E+21
1446	5,347843E+21	8,548209E+21	1,088071E+22	1,088054E+22	8,547802E+21	5,347518E+21	2,443097E+21	6,128540E+20	4,134359E+19	4,135962E+19	6,129986E+20	2,443377E+21
1447	5,347879E+21	8,548046E+21	1,088035E+22	1,088032E+22	8,547991E+21	5,347849E+21	2,443359E+21	6,129885E+20	4,135713E+19	4,134129E+19	6,128456E+20	2,443075E+21
1448	5,347480E+21	8,547770E+21	1,088052E+22	1,088073E+22	8,548276E+21	5,347908E+21	2,443271E+21	6,129353E+20	4,136231E+19	4,136921E+19	6,129973E+20	2,443384E+21
1449	5,347936E+21	8,548120E+21	1,088047E+22	1,088022E+22	8,547644E+21	5,347566E+21	2,443193E+21	6,129400E+20	4,136858E+19	4,137645E+19	6,130241E+20	2,443363E+21
1450	5,347741E+21	8,547605E+21	1,087976E+22	1,088002E+22	8,547937E+21	5,347926E+21	2,443507E+21	6,131311E+20	4,140596E+19	4,139191E+19	6,129785E+20	2,443178E+21
1451	5,347564E+21	8,547699E+21	1,087994E+22	1,087990E+22	8,547666E+21	5,347612E+21	2,443273E+21	6,130622E+20	4,141785E+19	4,143529E+19	6,132164E+20	2,443548E+21
1452	5,347840E+21	8,547691E+21	1,087958E+22	1,087916E+22	8,547023E+21	5,347451E+21	2,443413E+21	6,132129E+20	4,145352E+19	4,145093E+19	6,131918E+20	2,443356E+21
1453	5,347351E+21	8,546871E+21	1,087887E+22	1,087922E+22	8,547467E+21	5,347792E+21	2,443627E+21	6,133535E+20	4,149156E+19	4,148705E+19	6,132681E+20	2,443391E+21
1454	5,347425E+21	8,547056E+21	1,087887E+22	1,087884E+22	8,546923E+21	5,347298E+21	2,443346E+21	6,132772E+20	4,150077E+19	4,151861E+19	6,134675E+20	2,443710E+21
1455	5,347614E+21	8,546836E+21	1,087812E+22	1,087799E+22	8,546627E+21	5,347466E+21	2,443630E+21	6,134584E+20	4,152975E+19	4,152130E+19	6,133629E+20	2,443427E+21
1456	5,347169E+21	8,546377E+21	1,087799E+22	1,087826E+22	8,546904E+21	5,347595E+21	2,443644E+21	6,134646E+20	4,154196E+19	4,154300E+19	6,134660E+20	2,443630E+21
1457	5,347568E+21	8,546904E+21	1,087827E+22	1,087798E+22	8,546318E+21	5,347148E+21	2,443452E+21	6,134087E+20	4,153844E+19	4,154704E+19	6,135100E+20	2,443669E+21
1458	5,347459E+21	8,546561E+21	1,087783E+22	1,087795E+22	8,546713E+21	5,347555E+21	2,443734E+21	6,135349E+20	4,154537E+19	4,152811E+19	6,133488E+20	2,443361E+21
1459	5,347176E+21	8,546619E+21	1,087835E+22	1,087845E+22	8,546890E+21	5,347441E+21	2,443490E+21	6,133829E+20	4,152764E+19	4,153356E+19	6,134748E+20	2,443688E+21
1460	5,347630E+21	8,547005E+21	1,087853E+22	1,087828E+22	8,546537E+21	5,347272E+21	2,443459E+21	6,133417E+20	4,150368E+19	4,150605E+19	6,133566E+20	2,443502E+21
1461	5,347363E+21	8,546614E+21	1,087829E+22	1,087874E+22	8,547278E+21	5,347758E+21	2,443653E+21	6,133736E+20	4,149304E+19	4,147851E+19	6,132304E+20	2,443349E+21
1462	5,347434E+21	8,547193E+21	1,087910E+22	1,087909E+22	8,547166E+21	5,347413E+21	2,443296E+21	6,131595E+20	4,145554E+19	4,147032E+19	6,133170E+20	2,443620E+21
1463	5,347788E+21	8,547450E+21	1,087917E+22	1,087888E+22	8,547013E+21	5,347521E+21	2,443445E+21	6,131991E+20	4,143889E+19	4,143066E+19	6,131107E+20	2,443269E+21
1464	5,347353E+21	8,547081E+21	1,087929E+22	1,087960E+22	8,547626E+21	5,347808E+21	2,443518E+21	6,131997E+20	4,143928E+19	4,143054E+19	6,131216E+20	2,443345E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1465	5,347649E+21	8,547631E+21	1,087976E+22	1,087967E+22	8,547335E+21	5,347396E+21	2,443226E+21	6,130698E+20	4,141985E+19	4,143363E+19	6,132041E+20	2,443498E+21
1466	5,347694E+21	8,547403E+21	1,087927E+22	1,087934E+22	8,547503E+21	5,347744E+21	2,443498E+21	6,132035E+20	4,143472E+19	4,141813E+19	6,130581E+20	2,443216E+21
1467	5,347375E+21	8,547223E+21	1,087941E+22	1,087956E+22	8,547588E+21	5,347713E+21	2,443394E+21	6,131502E+20	4,144063E+19	4,144930E+19	6,132238E+20	2,443529E+21
1468	5,347809E+21	8,547593E+21	1,087946E+22	1,087914E+22	8,546938E+21	5,347316E+21	2,443306E+21	6,131574E+20	4,144741E+19	4,145671E+19	6,132460E+20	2,443480E+21
1469	5,347559E+21	8,547029E+21	1,087871E+22	1,087894E+22	8,547283E+21	5,347721E+21	2,443633E+21	6,133595E+20	4,148822E+19	4,147599E+19	6,132136E+20	2,443288E+21
1470	5,347295E+21	8,547021E+21	1,087894E+22	1,087893E+22	8,547062E+21	5,347405E+21	2,443393E+21	6,132922E+20	4,150096E+19	4,151837E+19	6,134497E+20	2,443671E+21
1471	5,347602E+21	8,546971E+21	1,087842E+22	1,087811E+22	8,546467E+21	5,347286E+21	2,443528E+21	6,134292E+20	4,153364E+19	4,153228E+19	6,134250E+20	2,443491E+21
1472	5,347125E+21	8,546128E+21	1,087759E+22	1,087797E+22	8,546793E+21	5,347638E+21	2,443783E+21	6,135849E+20	4,157271E+19	4,156760E+19	6,134970E+20	2,443545E+21
1473	5,347272E+21	8,546415E+21	1,087769E+22	1,087766E+22	8,546275E+21	5,347137E+21	2,443497E+21	6,135120E+20	4,158280E+19	4,159841E+19	6,136845E+20	2,443838E+21
1474	5,347464E+21	8,546259E+21	1,087704E+22	1,087690E+22	8,546016E+21	5,347305E+21	2,443770E+21	6,136818E+20	4,160824E+19	4,159754E+19	6,135651E+20	2,443538E+21
1475	5,347042E+21	8,545888E+21	1,087704E+22	1,087718E+22	8,546214E+21	5,347370E+21	2,443758E+21	6,136786E+20	4,161855E+19	4,161871E+19	6,136757E+20	2,443745E+21
1476	5,347397E+21	8,546380E+21	1,087741E+22	1,087712E+22	8,545744E+21	5,346913E+21	2,443543E+21	6,136076E+20	4,161087E+19	4,162041E+19	6,137150E+20	2,443782E+21
1477	5,347271E+21	8,545973E+21	1,087686E+22	1,087706E+22	8,546236E+21	5,347406E+21	2,443828E+21	6,137203E+20	4,161485E+19	4,160013E+19	6,135581E+20	2,443492E+21
1478	5,346988E+21	8,546039E+21	1,087745E+22	1,087759E+22	8,546403E+21	5,347304E+21	2,443588E+21	6,135540E+20	4,159105E+19	4,159866E+19	6,136613E+20	2,443815E+21
1479	5,347521E+21	8,546519E+21	1,087763E+22	1,087738E+22	8,546038E+21	5,347124E+21	2,443546E+21	6,134990E+20	4,156161E+19	4,156553E+19	6,135225E+20	2,443589E+21
1480	5,347216E+21	8,546140E+21	1,087739E+22	1,087776E+22	8,546697E+21	5,347609E+21	2,443780E+21	6,135592E+20	4,155596E+19	4,153925E+19	6,133940E+20	2,443428E+21
1481	5,347265E+21	8,546709E+21	1,087828E+22	1,087826E+22	8,546685E+21	5,347276E+21	2,443423E+21	6,133628E+20	4,152487E+19	4,153598E+19	6,134881E+20	2,443684E+21
1482	5,347564E+21	8,546868E+21	1,087827E+22	1,087807E+22	8,546577E+21	5,347391E+21	2,443565E+21	6,134031E+20	4,151103E+19	4,149983E+19	6,132975E+20	2,443369E+21
1483	5,347177E+21	8,546485E+21	1,087827E+22	1,087859E+22	8,547058E+21	5,347633E+21	2,443623E+21	6,133996E+20	4,151265E+19	4,150496E+19	6,133361E+20	2,443494E+21
1484	5,347509E+21	8,547051E+21	1,087876E+22	1,087867E+22	8,546729E+21	5,347187E+21	2,443324E+21	6,132611E+20	4,149113E+19	4,150788E+19	6,134185E+20	2,443648E+21
1485	5,347578E+21	8,546851E+21	1,087820E+22	1,087825E+22	8,546883E+21	5,347556E+21	2,443604E+21	6,134003E+20	4,150785E+19	4,149492E+19	6,132788E+20	2,443352E+21
1486	5,347216E+21	8,546704E+21	1,087850E+22	1,087857E+22	8,546970E+21	5,347518E+21	2,443506E+21	6,133532E+20	4,151413E+19	4,152414E+19	6,134313E+20	2,443641E+21
1487	5,347642E+21	8,547063E+21	1,087852E+22	1,087817E+22	8,546355E+21	5,347121E+21	2,443417E+21	6,133659E+20	4,152339E+19	4,153304E+19	6,134564E+20	2,443570E+21
1488	5,347305E+21	8,546358E+21	1,087763E+22	1,087786E+22	8,546667E+21	5,347552E+21	2,443788E+21	6,136011E+20	4,157183E+19	4,155818E+19	6,134431E+20	2,443416E+21
1489	5,347056E+21	8,546273E+21	1,087774E+22	1,087785E+22	8,546523E+21	5,347275E+21	2,443549E+21	6,135428E+20	4,158946E+19	4,160444E+19	6,136869E+20	2,443810E+21
1490	5,347391E+21	8,546223E+21	1,087714E+22	1,087691E+22	8,545861E+21	5,347149E+21	2,443686E+21	6,136701E+20	4,161949E+19	4,161708E+19	6,136608E+20	2,443656E+21
1491	5,347016E+21	8,545522E+21	1,087638E+22	1,087665E+22	8,545993E+21	5,347393E+21	2,443912E+21	6,138165E+20	4,165580E+19	4,165118E+19	6,137326E+20	2,443703E+21
1492	5,347157E+21	8,545891E+21	1,087668E+22	1,087653E+22	8,545519E+21	5,346862E+21	2,443606E+21	6,137322E+20	4,166220E+19	4,167853E+19	6,139046E+20	2,443958E+21
1493	5,347297E+21	8,545722E+21	1,087609E+22	1,087589E+22	8,545391E+21	5,347088E+21	2,443874E+21	6,138935E+20	4,168589E+19	4,167678E+19	6,137854E+20	2,443643E+21
1494	5,346807E+21	8,545310E+21	1,087620E+22	1,087635E+22	8,545702E+21	5,347182E+21	2,443852E+21	6,138774E+20	4,169171E+19	4,169164E+19	6,138785E+20	2,443854E+21
1495	5,347201E+21	8,545777E+21	1,087646E+22	1,087627E+22	8,545326E+21	5,346793E+21	2,443637E+21	6,137838E+20	4,167684E+19	4,168752E+19	6,139019E+20	2,443880E+21
1496	5,347072E+21	8,545356E+21	1,087584E+22	1,087607E+22	8,545728E+21	5,347307E+21	2,443967E+21	6,139089E+20	4,167979E+19	4,166398E+19	6,137371E+20	2,443606E+21
1497	5,346845E+21	8,545478E+21	1,087647E+22	1,087666E+22	8,545936E+21	5,347206E+21	2,443728E+21	6,137506E+20	4,165754E+19	4,166170E+19	6,138251E+20	2,443890E+21
1498	5,347352E+21	8,545998E+21	1,087672E+22	1,087648E+22	8,545561E+21	5,347019E+21	2,443680E+21	6,136901E+20	4,162663E+19	4,162779E+19	6,136880E+20	2,443678E+21
1499	5,347084E+21	8,545674E+21	1,087654E+22	1,087678E+22	8,546062E+21	5,347393E+21	2,443880E+21	6,137508E+20	4,162385E+19	4,160634E+19	6,135826E+20	2,443537E+21
1500	5,347105E+21	8,546185E+21	1,087743E+22	1,087741E+22	8,546124E+21	5,347048E+21	2,443504E+21	6,135487E+20	4,159310E+19	4,160606E+19	6,136887E+20	2,443813E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1501	5,347411E+21	8,546299E+21	1,087730E+22	1,087714E+22	8,546075E+21	5,347226E+21	2,443640E+21	6,135799E+20	4,158000E+19	4,157300E+19	6,135144E+20	2,443522E+21
1502	5,347043E+21	8,545963E+21	1,087738E+22	1,087764E+22	8,546494E+21	5,347446E+21	2,443703E+21	6,135751E+20	4,157950E+19	4,157485E+19	6,135370E+20	2,443639E+21
1503	5,347430E+21	8,546589E+21	1,087784E+22	1,087770E+22	8,546177E+21	5,347008E+21	2,443412E+21	6,134382E+20	4,155712E+19	4,157551E+19	6,136033E+20	2,443741E+21
1504	5,347416E+21	8,546345E+21	1,087728E+22	1,087722E+22	8,546266E+21	5,347388E+21	2,443746E+21	6,136163E+20	4,158201E+19	4,156762E+19	6,134751E+20	2,443443E+21
1505	5,346999E+21	8,546089E+21	1,087753E+22	1,087764E+22	8,546457E+21	5,347380E+21	2,443664E+21	6,135968E+20	4,159711E+19	4,160313E+19	6,136365E+20	2,443709E+21
1506	5,347350E+21	8,546329E+21	1,087742E+22	1,087718E+22	8,545861E+21	5,347008E+21	2,443577E+21	6,136110E+20	4,160926E+19	4,161621E+19	6,136841E+20	2,443696E+21
1507	5,347081E+21	8,545612E+21	1,087638E+22	1,087660E+22	8,545966E+21	5,347362E+21	2,443930E+21	6,138418E+20	4,165846E+19	4,164551E+19	6,136928E+20	2,443586E+21
1508	5,346891E+21	8,545569E+21	1,087651E+22	1,087661E+22	8,545788E+21	5,347044E+21	2,443678E+21	6,137735E+20	4,167317E+19	4,169001E+19	6,139299E+20	2,443975E+21
1509	5,347260E+21	8,545597E+21	1,087595E+22	1,087567E+22	8,545143E+21	5,346923E+21	2,443800E+21	6,138930E+20	4,170164E+19	4,170191E+19	6,139019E+20	2,443805E+21
1510	5,346862E+21	8,544992E+21	1,087543E+22	1,087557E+22	8,545296E+21	5,347145E+21	2,444012E+21	6,140312E+20	4,173405E+19	4,172962E+19	6,139504E+20	2,443830E+21
1511	5,347006E+21	8,545374E+21	1,087579E+22	1,087560E+22	8,544944E+21	5,346655E+21	2,443705E+21	6,139380E+20	4,173766E+19	4,175369E+19	6,141091E+20	2,444049E+21
1512	5,347064E+21	8,545094E+21	1,087512E+22	1,087495E+22	8,544863E+21	5,346942E+21	2,444009E+21	6,141128E+20	4,176282E+19	4,175256E+19	6,139974E+20	2,443766E+21
1513	5,346602E+21	8,544635E+21	1,087514E+22	1,087545E+22	8,545293E+21	5,347106E+21	2,443998E+21	6,140953E+20	4,176855E+19	4,176573E+19	6,140775E+20	2,443960E+21
1514	5,347013E+21	8,545140E+21	1,087538E+22	1,087526E+22	8,544852E+21	5,346717E+21	2,443783E+21	6,139859E+20	4,174786E+19	4,175724E+19	6,140915E+20	2,444003E+21
1515	5,346958E+21	8,544822E+21	1,087481E+22	1,087493E+22	8,545047E+21	5,347116E+21	2,444082E+21	6,141025E+20	4,174813E+19	4,173204E+19	6,139263E+20	2,443724E+21
1516	5,346729E+21	8,544997E+21	1,087560E+22	1,087570E+22	8,545296E+21	5,346978E+21	2,443820E+21	6,139340E+20	4,172339E+19	4,172836E+19	6,140068E+20	2,443981E+21
1517	5,347186E+21	8,545481E+21	1,087585E+22	1,087559E+22	8,545005E+21	5,346815E+21	2,443758E+21	6,138688E+20	4,169291E+19	4,169620E+19	6,138834E+20	2,443780E+21
1518	5,346891E+21	8,545161E+21	1,087577E+22	1,087599E+22	8,545554E+21	5,347190E+21	2,443939E+21	6,139184E+20	4,168756E+19	4,167161E+19	6,137716E+20	2,443665E+21
1519	5,346980E+21	8,545677E+21	1,087657E+22	1,087657E+22	8,545665E+21	5,346902E+21	2,443575E+21	6,137063E+20	4,165352E+19	4,166888E+19	6,138664E+20	2,443919E+21
1520	5,347268E+21	8,545771E+21	1,087638E+22	1,087618E+22	8,545544E+21	5,347098E+21	2,443759E+21	6,137611E+20	4,164424E+19	4,163749E+19	6,136958E+20	2,443639E+21
1521	5,346925E+21	8,545451E+21	1,087645E+22	1,087675E+22	8,546037E+21	5,347340E+21	2,443838E+21	6,137797E+20	4,164999E+19	4,164231E+19	6,137087E+20	2,443702E+21
1522	5,347237E+21	8,546048E+21	1,087691E+22	1,087677E+22	8,545690E+21	5,346912E+21	2,443565E+21	6,136562E+20	4,163178E+19	4,164672E+19	6,137903E+20	2,443824E+21
1523	5,347215E+21	8,545745E+21	1,087629E+22	1,087616E+22	8,545602E+21	5,347186E+21	2,443886E+21	6,138519E+20	4,166414E+19	4,164828E+19	6,136995E+20	2,443565E+21
1524	5,346779E+21	8,545384E+21	1,087643E+22	1,087660E+22	8,545835E+21	5,347173E+21	2,443793E+21	6,138324E+20	4,168193E+19	4,168914E+19	6,138803E+20	2,443855E+21
1525	5,347135E+21	8,545576E+21	1,087617E+22	1,087599E+22	8,545225E+21	5,346834E+21	2,443700E+21	6,138407E+20	4,169509E+19	4,170568E+19	6,139475E+20	2,443876E+21
1526	5,346925E+21	8,544980E+21	1,087525E+22	1,087538E+22	8,545220E+21	5,347117E+21	2,444031E+21	6,140587E+20	4,173970E+19	4,172967E+19	6,139353E+20	2,443765E+21
1527	5,346807E+21	8,545035E+21	1,087543E+22	1,087543E+22	8,545077E+21	5,346807E+21	2,443775E+21	6,139831E+20	4,175100E+19	4,176891E+19	6,141453E+20	2,444089E+21
1528	5,347096E+21	8,545045E+21	1,087495E+22	1,087457E+22	8,544460E+21	5,346715E+21	2,443932E+21	6,141227E+20	4,178252E+19	4,178175E+19	6,141186E+20	2,443914E+21
1529	5,346663E+21	8,544374E+21	1,087443E+22	1,087466E+22	8,544795E+21	5,346992E+21	2,444153E+21	6,142738E+20	4,181864E+19	4,180968E+19	6,141578E+20	2,443905E+21
1530	5,346738E+21	8,544674E+21	1,087472E+22	1,087467E+22	8,544516E+21	5,346581E+21	2,443862E+21	6,141703E+20	4,181932E+19	4,183225E+19	6,143226E+20	2,444171E+21
1531	5,346859E+21	8,544398E+21	1,087399E+22	1,087383E+22	8,544246E+21	5,346794E+21	2,444146E+21	6,143292E+20	4,184018E+19	4,183024E+19	6,142180E+20	2,443913E+21
1532	5,346455E+21	8,543996E+21	1,087404E+22	1,087437E+22	8,544655E+21	5,346928E+21	2,444121E+21	6,142939E+20	4,183981E+19	4,183827E+19	6,142793E+20	2,444079E+21
1533	5,346872E+21	8,544582E+21	1,087434E+22	1,087420E+22	8,544247E+21	5,346549E+21	2,443885E+21	6,141687E+20	4,181455E+19	4,182659E+19	6,142872E+20	2,444109E+21
1534	5,346813E+21	8,544390E+21	1,087404E+22	1,087400E+22	8,544408E+21	5,346882E+21	2,444150E+21	6,142709E+20	4,181027E+19	4,179481E+19	6,141029E+20	2,443828E+21
1535	5,346609E+21	8,544565E+21	1,087484E+22	1,087490E+22	8,544777E+21	5,346778E+21	2,443882E+21	6,140965E+20	4,178372E+19	4,178891E+19	6,141723E+20	2,444056E+21
1536	5,347001E+21	8,544952E+21	1,087503E+22	1,087479E+22	8,544546E+21	5,346671E+21	2,443851E+21	6,140465E+20	4,175693E+19	4,175995E+19	6,140662E+20	2,443901E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1537	5,346753E+21	8,544601E+21	1,087485E+22	1,087520E+22	8,545179E+21	5,347098E+21	2,444050E+21	6,141058E+20	4,175504E+19	4,173694E+19	6,139476E+20	2,443764E+21
1538	5,346840E+21	8,545151E+21	1,087563E+22	1,087567E+22	8,545220E+21	5,346833E+21	2,443714E+21	6,138984E+20	4,172052E+19	4,173428E+19	6,140434E+20	2,444028E+21
1539	5,347150E+21	8,545279E+21	1,087545E+22	1,087514E+22	8,544890E+21	5,346915E+21	2,443882E+21	6,139642E+20	4,171582E+19	4,170827E+19	6,138888E+20	2,443741E+21
1540	5,346769E+21	8,544925E+21	1,087554E+22	1,087579E+22	8,545413E+21	5,347147E+21	2,443964E+21	6,139926E+20	4,172559E+19	4,171832E+19	6,139121E+20	2,443780E+21
1541	5,346994E+21	8,545399E+21	1,087589E+22	1,087579E+22	8,545125E+21	5,346742E+21	2,443685E+21	6,138774E+20	4,171245E+19	4,172895E+19	6,140218E+20	2,443934E+21
1542	5,346965E+21	8,545075E+21	1,087526E+22	1,087513E+22	8,544985E+21	5,346980E+21	2,443984E+21	6,140655E+20	4,174412E+19	4,173034E+19	6,139384E+20	2,443730E+21
1543	5,346627E+21	8,544723E+21	1,087527E+22	1,087547E+22	8,545210E+21	5,346991E+21	2,443895E+21	6,140375E+20	4,175884E+19	4,176850E+19	6,141063E+20	2,444000E+21
1544	5,346978E+21	8,544922E+21	1,087499E+22	1,087478E+22	8,544530E+21	5,346647E+21	2,443838E+21	6,140652E+20	4,177494E+19	4,178613E+19	6,141778E+20	2,444037E+21
1545	5,346809E+21	8,544390E+21	1,087415E+22	1,087430E+22	8,544615E+21	5,346942E+21	2,444166E+21	6,142936E+20	4,182256E+19	4,180988E+19	6,141470E+20	2,443866E+21
1546	5,346629E+21	8,544473E+21	1,087442E+22	1,087439E+22	8,544471E+21	5,346660E+21	2,443932E+21	6,142242E+20	4,183495E+19	4,184940E+19	6,143609E+20	2,444199E+21
1547	5,346888E+21	8,544413E+21	1,087391E+22	1,087349E+22	8,543772E+21	5,346498E+21	2,444070E+21	6,143675E+20	4,186941E+19	4,186738E+19	6,143549E+20	2,444045E+21
1548	5,346455E+21	8,543688E+21	1,087334E+22	1,087365E+22	8,544215E+21	5,346820E+21	2,444281E+21	6,145027E+20	4,190278E+19	4,189484E+19	6,143951E+20	2,444038E+21
1549	5,346528E+21	8,543961E+21	1,087353E+22	1,087354E+22	8,543937E+21	5,346451E+21	2,443991E+21	6,143850E+20	4,189901E+19	4,191464E+19	6,145577E+20	2,444316E+21
1550	5,346703E+21	8,543829E+21	1,087296E+22	1,087274E+22	8,543568E+21	5,346585E+21	2,444243E+21	6,145183E+20	4,191001E+19	4,190223E+19	6,144238E+20	2,444058E+21
1551	5,346371E+21	8,543528E+21	1,087309E+22	1,087335E+22	8,544024E+21	5,346720E+21	2,444202E+21	6,144677E+20	4,190339E+19	4,190206E+19	6,144503E+20	2,444151E+21
1552	5,346691E+21	8,544080E+21	1,087349E+22	1,087329E+22	8,543663E+21	5,346366E+21	2,443992E+21	6,143552E+20	4,187937E+19	4,189034E+19	6,144622E+20	2,444193E+21
1553	5,346630E+21	8,543850E+21	1,087320E+22	1,087328E+22	8,544001E+21	5,346738E+21	2,444249E+21	6,144615E+20	4,187781E+19	4,185847E+19	6,142695E+20	2,443891E+21
1554	5,346397E+21	8,544005E+21	1,087395E+22	1,087411E+22	8,544397E+21	5,346712E+21	2,444006E+21	6,142839E+20	4,184999E+19	4,185281E+19	6,143489E+20	2,444168E+21
1555	5,346845E+21	8,544383E+21	1,087406E+22	1,087385E+22	8,544001E+21	5,346533E+21	2,443966E+21	6,142324E+20	4,182389E+19	4,182669E+19	6,142555E+20	2,444033E+21
1556	5,346652E+21	8,544094E+21	1,087392E+22	1,087428E+22	8,544625E+21	5,346945E+21	2,444161E+21	6,142883E+20	4,182160E+19	4,180463E+19	6,141330E+20	2,443865E+21
1557	5,346697E+21	8,544642E+21	1,087469E+22	1,087470E+22	8,544674E+21	5,346698E+21	2,443830E+21	6,140881E+20	4,178907E+19	4,180457E+19	6,142370E+20	2,444116E+21
1558	5,346977E+21	8,544823E+21	1,087465E+22	1,087424E+22	8,544263E+21	5,346699E+21	2,443972E+21	6,141526E+20	4,178512E+19	4,177876E+19	6,140895E+20	2,443857E+21
1559	5,346613E+21	8,544390E+21	1,087461E+22	1,087489E+22	8,544857E+21	5,346953E+21	2,444053E+21	6,141860E+20	4,179689E+19	4,179105E+19	6,141151E+20	2,443878E+21
1560	5,346761E+21	8,544728E+21	1,087483E+22	1,087480E+22	8,544577E+21	5,346594E+21	2,443808E+21	6,140900E+20	4,178961E+19	4,180742E+19	6,142513E+20	2,444095E+21
1561	5,346814E+21	8,544402E+21	1,087409E+22	1,087409E+22	8,544434E+21	5,346831E+21	2,444113E+21	6,142895E+20	4,182549E+19	4,181070E+19	6,141598E+20	2,443868E+21
1562	5,346488E+21	8,544130E+21	1,087412E+22	1,087431E+22	8,544569E+21	5,346852E+21	2,444052E+21	6,142687E+20	4,183998E+19	4,184810E+19	6,143256E+20	2,444143E+21
1563	5,346845E+21	8,544355E+21	1,087389E+22	1,087357E+22	8,543748E+21	5,346401E+21	2,443969E+21	6,143053E+20	4,186050E+19	4,187027E+19	6,144071E+20	2,444164E+21
1564	5,346640E+21	8,543806E+21	1,087311E+22	1,087322E+22	8,543905E+21	5,346709E+21	2,444296E+21	6,145336E+20	4,190965E+19	4,189692E+19	6,143805E+20	2,443964E+21
1565	5,346371E+21	8,543776E+21	1,087331E+22	1,087334E+22	8,543879E+21	5,346496E+21	2,444070E+21	6,144661E+20	4,192303E+19	4,193799E+19	6,146065E+20	2,444313E+21
1566	5,346636E+21	8,543743E+21	1,087284E+22	1,087245E+22	8,543153E+21	5,346306E+21	2,444180E+21	6,145854E+20	4,195095E+19	4,195108E+19	6,145948E+20	2,444203E+21
1567	5,346295E+21	8,543042E+21	1,087220E+22	1,087256E+22	8,543619E+21	5,346657E+21	2,444390E+21	6,147014E+20	4,197617E+19	4,196972E+19	6,146032E+20	2,444152E+21
1568	5,346340E+21	8,543329E+21	1,087243E+22	1,087246E+22	8,543324E+21	5,346298E+21	2,444125E+21	6,145886E+20	4,197043E+19	4,198589E+19	6,147564E+20	2,444437E+21
1569	5,346560E+21	8,543262E+21	1,087195E+22	1,087179E+22	8,543036E+21	5,346427E+21	2,444364E+21	6,147205E+20	4,198032E+19	4,196917E+19	6,145981E+20	2,444131E+21
1570	5,346191E+21	8,543024E+21	1,087221E+22	1,087245E+22	8,543493E+21	5,346589E+21	2,444339E+21	6,146696E+20	4,197252E+19	4,196732E+19	6,146273E+20	2,444244E+21
1571	5,346498E+21	8,543515E+21	1,087258E+22	1,087238E+22	8,543084E+21	5,346169E+21	2,444099E+21	6,145575E+20	4,195098E+19	4,196036E+19	6,146599E+20	2,444318E+21
1572	5,346475E+21	8,543293E+21	1,087227E+22	1,087241E+22	8,543503E+21	5,346587E+21	2,444343E+21	6,146458E+20	4,194787E+19	4,193010E+19	6,144730E+20	2,444022E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1573	5,346258E+21	8,543453E+21	1,087296E+22	1,087315E+22	8,543889E+21	5,346595E+21	2,444115E+21	6,144651E+20	4,191798E+19	4,192376E+19	6,145514E+20	2,444298E+21
1574	5,346747E+21	8,543966E+21	1,087322E+22	1,087291E+22	8,543397E+21	5,346330E+21	2,444041E+21	6,143967E+20	4,188629E+19	4,189178E+19	6,144413E+20	2,444162E+21
1575	5,346585E+21	8,543716E+21	1,087311E+22	1,087339E+22	8,544062E+21	5,346752E+21	2,444235E+21	6,144521E+20	4,188250E+19	4,186684E+19	6,142991E+20	2,443925E+21
1576	5,346492E+21	8,544128E+21	1,087385E+22	1,087385E+22	8,544140E+21	5,346539E+21	2,443948E+21	6,142806E+20	4,185663E+19	4,187171E+19	6,144212E+20	2,444198E+21
1577	5,346755E+21	8,544198E+21	1,087371E+22	1,087346E+22	8,543846E+21	5,346565E+21	2,444092E+21	6,143610E+20	4,185921E+19	4,185013E+19	6,142826E+20	2,443946E+21
1578	5,346389E+21	8,543751E+21	1,087356E+22	1,087391E+22	8,544365E+21	5,346862E+21	2,444202E+21	6,144013E+20	4,187275E+19	4,186578E+19	6,143270E+20	2,444018E+21
1579	5,346574E+21	8,544044E+21	1,087364E+22	1,087362E+22	8,543886E+21	5,346410E+21	2,443950E+21	6,143165E+20	4,187007E+19	4,188745E+19	6,144791E+20	2,444254E+21
1580	5,346694E+21	8,543816E+21	1,087297E+22	1,087293E+22	8,543737E+21	5,346625E+21	2,444237E+21	6,145102E+20	4,190700E+19	4,189343E+19	6,143866E+20	2,443994E+21
1581	5,346327E+21	8,543555E+21	1,087303E+22	1,087315E+22	8,543872E+21	5,346652E+21	2,444186E+21	6,145018E+20	4,192414E+19	4,193274E+19	6,145562E+20	2,444251E+21
1582	5,346651E+21	8,543825E+21	1,087294E+22	1,087253E+22	8,543036E+21	5,346142E+21	2,444075E+21	6,145317E+20	4,194394E+19	4,195424E+19	6,146418E+20	2,444299E+21
1583	5,346456E+21	8,543206E+21	1,087209E+22	1,087223E+22	8,543318E+21	5,346499E+21	2,444397E+21	6,147536E+20	4,199123E+19	4,197955E+19	6,146092E+20	2,444077E+21
1584	5,346113E+21	8,543039E+21	1,087216E+22	1,087229E+22	8,543325E+21	5,346366E+21	2,444216E+21	6,146957E+20	4,200590E+19	4,202143E+19	6,148450E+20	2,444468E+21
1585	5,346455E+21	8,543027E+21	1,087164E+22	1,087141E+22	8,542627E+21	5,346181E+21	2,444327E+21	6,148104E+20	4,203131E+19	4,203035E+19	6,148108E+20	2,444329E+21
1586	5,346141E+21	8,542460E+21	1,087108E+22	1,087142E+22	8,543008E+21	5,346530E+21	2,444547E+21	6,149196E+20	4,205160E+19	4,204309E+19	6,148049E+20	2,444272E+21
1587	5,346166E+21	8,542744E+21	1,087137E+22	1,087133E+22	8,542611E+21	5,346079E+21	2,444255E+21	6,148087E+20	4,204697E+19	4,206004E+19	6,149567E+20	2,444543E+21
1588	5,346389E+21	8,542714E+21	1,087101E+22	1,087083E+22	8,542418E+21	5,346217E+21	2,444468E+21	6,149252E+20	4,205524E+19	4,204363E+19	6,147995E+20	2,444223E+21
1589	5,345975E+21	8,542423E+21	1,087124E+22	1,087153E+22	8,542971E+21	5,346429E+21	2,444447E+21	6,148700E+20	4,204599E+19	4,204108E+19	6,148343E+20	2,444359E+21
1590	5,346329E+21	8,543001E+21	1,087169E+22	1,087149E+22	8,542546E+21	5,345985E+21	2,444173E+21	6,147276E+20	4,201636E+19	4,202848E+19	6,148599E+20	2,444475E+21
1591	5,346403E+21	8,542840E+21	1,087139E+22	1,087152E+22	8,542993E+21	5,346423E+21	2,444413E+21	6,147981E+20	4,200610E+19	4,199074E+19	6,146434E+20	2,444125E+21
1592	5,346134E+21	8,542995E+21	1,087212E+22	1,087229E+22	8,543392E+21	5,346467E+21	2,444225E+21	6,146319E+20	4,197713E+19	4,198363E+19	6,147166E+20	2,444392E+21
1593	5,346620E+21	8,543510E+21	1,087243E+22	1,087217E+22	8,542965E+21	5,346195E+21	2,444150E+21	6,145753E+20	4,194893E+19	4,195179E+19	6,145947E+20	2,444211E+21
1594	5,346392E+21	8,543245E+21	1,087230E+22	1,087257E+22	8,543593E+21	5,346642E+21	2,444374E+21	6,146488E+20	4,194957E+19	4,193101E+19	6,144736E+20	2,444004E+21
1595	5,346244E+21	8,543480E+21	1,087287E+22	1,087294E+22	8,543600E+21	5,346367E+21	2,444072E+21	6,144953E+20	4,193209E+19	4,194546E+19	6,146271E+20	2,444320E+21
1596	5,346559E+21	8,543540E+21	1,087261E+22	1,087243E+22	8,543287E+21	5,346410E+21	2,444212E+21	6,145727E+20	4,193841E+19	4,193053E+19	6,145108E+20	2,444093E+21
1597	5,346223E+21	8,543106E+21	1,087239E+22	1,087273E+22	8,543712E+21	5,346698E+21	2,444341E+21	6,146226E+20	4,195317E+19	4,194829E+19	6,145600E+20	2,444168E+21
1598	5,346460E+21	8,543550E+21	1,087261E+22	1,087246E+22	8,543130E+21	5,346147E+21	2,444046E+21	6,145261E+20	4,194827E+19	4,196761E+19	6,147063E+20	2,444408E+21
1599	5,346593E+21	8,543342E+21	1,087200E+22	1,087186E+22	8,543045E+21	5,346367E+21	2,444320E+21	6,147160E+20	4,198424E+19	4,197231E+19	6,145993E+20	2,444085E+21
1600	5,346096E+21	8,542943E+21	1,087204E+22	1,087216E+22	8,543268E+21	5,346455E+21	2,444315E+21	6,147325E+20	4,200698E+19	4,201540E+19	6,147839E+20	2,444364E+21
1601	5,346403E+21	8,543095E+21	1,087185E+22	1,087162E+22	8,542572E+21	5,345997E+21	2,444211E+21	6,147696E+20	4,202998E+19	4,203831E+19	6,148689E+20	2,444411E+21
1602	5,346214E+21	8,542495E+21	1,087092E+22	1,087114E+22	8,542791E+21	5,346415E+21	2,444570E+21	6,149901E+20	4,207448E+19	4,206208E+19	6,148430E+20	2,444227E+21
1603	5,345895E+21	8,542278E+21	1,087090E+22	1,087106E+22	8,542638E+21	5,346195E+21	2,444381E+21	6,149376E+20	4,209008E+19	4,210402E+19	6,150746E+20	2,444617E+21
1604	5,346306E+21	8,542398E+21	1,087047E+22	1,087021E+22	8,541945E+21	5,346000E+21	2,444467E+21	6,150354E+20	4,211235E+19	4,211186E+19	6,150338E+20	2,444452E+21
1605	5,345970E+21	8,541884E+21	1,087000E+22	1,087025E+22	8,542313E+21	5,346334E+21	2,444680E+21	6,151408E+20	4,213027E+19	4,212138E+19	6,150194E+20	2,444381E+21
1606	5,345999E+21	8,542250E+21	1,087047E+22	1,087032E+22	8,541931E+21	5,345816E+21	2,444335E+21	6,150060E+20	4,212020E+19	4,213409E+19	6,151670E+20	2,444683E+21
1607	5,346261E+21	8,542214E+21	1,087014E+22	1,086996E+22	8,541893E+21	5,345998E+21	2,444520E+21	6,150975E+20	4,212199E+19	4,211253E+19	6,149944E+20	2,444342E+21
1608	5,345813E+21	8,541868E+21	1,087032E+22	1,087065E+22	8,542490E+21	5,346290E+21	2,444546E+21	6,150482E+20	4,211206E+19	4,210829E+19	6,150278E+20	2,444501E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1609	5,346224E+21	8,542473E+21	1,087079E+22	1,087070E+22	8,542138E+21	5,345873E+21	2,444283E+21	6,149033E+20	4,207949E+19	4,209039E+19	6,150238E+20	2,444566E+21
1610	5,346292E+21	8,542438E+21	1,087060E+22	1,087066E+22	8,542519E+21	5,346318E+21	2,444539E+21	6,149747E+20	4,206702E+19	4,204972E+19	6,148015E+20	2,444198E+21
1611	5,345941E+21	8,542470E+21	1,087126E+22	1,087138E+22	8,542827E+21	5,346299E+21	2,444353E+21	6,148303E+20	4,204442E+19	4,204770E+19	6,148819E+20	2,444449E+21
1612	5,346399E+21	8,542950E+21	1,087155E+22	1,087131E+22	8,542477E+21	5,346052E+21	2,444267E+21	6,147731E+20	4,202027E+19	4,202230E+19	6,147835E+20	2,444282E+21
1613	5,346137E+21	8,542594E+21	1,087129E+22	1,087160E+22	8,543088E+21	5,346511E+21	2,444500E+21	6,148568E+20	4,202468E+19	4,200642E+19	6,146843E+20	2,444122E+21
1614	5,346059E+21	8,542877E+21	1,087183E+22	1,087189E+22	8,542994E+21	5,346172E+21	2,444166E+21	6,146873E+20	4,200426E+19	4,202031E+19	6,148461E+20	2,444492E+21
1615	5,346474E+21	8,543007E+21	1,087158E+22	1,087137E+22	8,542665E+21	5,346189E+21	2,444287E+21	6,147545E+20	4,200779E+19	4,200283E+19	6,147163E+20	2,444227E+21
1616	5,346096E+21	8,542574E+21	1,087139E+22	1,087167E+22	8,543074E+21	5,346493E+21	2,444451E+21	6,148253E+20	4,202642E+19	4,202291E+19	6,147693E+20	2,444299E+21
1617	5,346320E+21	8,543003E+21	1,087168E+22	1,087153E+22	8,542577E+21	5,345964E+21	2,444168E+21	6,147436E+20	4,202612E+19	4,204334E+19	6,149071E+20	2,444499E+21
1618	5,346394E+21	8,542793E+21	1,087107E+22	1,087090E+22	8,542488E+21	5,346215E+21	2,444468E+21	6,149470E+20	4,206558E+19	4,205250E+19	6,148221E+20	2,444201E+21
1619	5,345831E+21	8,542195E+21	1,087089E+22	1,087109E+22	8,542682E+21	5,346289E+21	2,444469E+21	6,149839E+20	4,209580E+19	4,210259E+19	6,150252E+20	2,444507E+21
1620	5,346195E+21	8,542361E+21	1,087061E+22	1,087044E+22	8,541985E+21	5,345870E+21	2,444367E+21	6,150132E+20	4,211971E+19	4,212922E+19	6,151225E+20	2,444567E+21
1621	5,346029E+21	8,541792E+21	1,086965E+22	1,086984E+22	8,542092E+21	5,346259E+21	2,444734E+21	6,152334E+20	4,216117E+19	4,214974E+19	6,150864E+20	2,444380E+21
1622	5,345765E+21	8,541719E+21	1,086978E+22	1,086983E+22	8,541856E+21	5,345929E+21	2,444488E+21	6,151569E+20	4,217037E+19	4,218510E+19	6,153003E+20	2,444764E+21
1623	5,346186E+21	8,541886E+21	1,086949E+22	1,086912E+22	8,541242E+21	5,345728E+21	2,444545E+21	6,152360E+20	4,218655E+19	4,218704E+19	6,152381E+20	2,444547E+21
1624	5,345759E+21	8,541297E+21	1,086907E+22	1,086931E+22	8,541722E+21	5,346121E+21	2,444782E+21	6,153466E+20	4,220452E+19	4,219513E+19	6,152264E+20	2,444500E+21
1625	5,345806E+21	8,541626E+21	1,086954E+22	1,086952E+22	8,541500E+21	5,345674E+21	2,444439E+21	6,152032E+20	4,219230E+19	4,220431E+19	6,153562E+20	2,444786E+21
1626	5,346091E+21	8,541668E+21	1,086922E+22	1,086907E+22	8,541445E+21	5,345914E+21	2,444649E+21	6,152825E+20	4,218824E+19	4,217826E+19	6,151788E+20	2,444457E+21
1627	5,345648E+21	8,541282E+21	1,086935E+22	1,086970E+22	8,541966E+21	5,346156E+21	2,444675E+21	6,152422E+20	4,217935E+19	4,217304E+19	6,151991E+20	2,444595E+21
1628	5,346093E+21	8,541980E+21	1,086988E+22	1,086976E+22	8,541646E+21	5,345759E+21	2,444404E+21	6,150906E+20	4,214641E+19	4,215642E+19	6,151947E+20	2,444629E+21
1629	5,346096E+21	8,541922E+21	1,086973E+22	1,086973E+22	8,541978E+21	5,346185E+21	2,444672E+21	6,151715E+20	4,213544E+19	4,211665E+19	6,149802E+20	2,444273E+21
1630	5,345751E+21	8,541949E+21	1,087041E+22	1,087050E+22	8,542255E+21	5,346082E+21	2,444436E+21	6,150158E+20	4,211237E+19	4,211649E+19	6,150764E+20	2,444568E+21
1631	5,346232E+21	8,542384E+21	1,087063E+22	1,087043E+22	8,541969E+21	5,345857E+21	2,444327E+21	6,149449E+20	4,208644E+19	4,209184E+19	6,149860E+20	2,444415E+21
1632	5,345980E+21	8,541998E+21	1,087028E+22	1,087060E+22	8,542531E+21	5,346348E+21	2,444597E+21	6,150403E+20	4,209366E+19	4,207881E+19	6,148991E+20	2,444293E+21
1633	5,345978E+21	8,542328E+21	1,087084E+22	1,087092E+22	8,542443E+21	5,346005E+21	2,444271E+21	6,148784E+20	4,207417E+19	4,209072E+19	6,150395E+20	2,444617E+21
1634	5,346386E+21	8,542576E+21	1,087070E+22	1,087037E+22	8,542066E+21	5,346018E+21	2,444404E+21	6,149537E+20	4,207939E+19	4,207428E+19	6,149128E+20	2,444332E+21
1635	5,345908E+21	8,541999E+21	1,087044E+22	1,087066E+22	8,542434E+21	5,346281E+21	2,444581E+21	6,150564E+20	4,210719E+19	4,210107E+19	6,149751E+20	2,444389E+21
1636	5,346095E+21	8,542364E+21	1,087065E+22	1,087054E+22	8,542044E+21	5,345820E+21	2,444310E+21	6,149843E+20	4,211336E+19	4,212937E+19	6,151379E+20	2,444598E+21
1637	5,346119E+21	8,542048E+21	1,086992E+22	1,086979E+22	8,541915E+21	5,346093E+21	2,444634E+21	6,151973E+20	4,215498E+19	4,214213E+19	6,150712E+20	2,444347E+21
1638	5,345634E+21	8,541488E+21	1,086967E+22	1,086987E+22	8,541994E+21	5,346095E+21	2,444603E+21	6,152165E+20	4,218086E+19	4,218936E+19	6,152723E+20	2,444679E+21
1639	5,346063E+21	8,541735E+21	1,086944E+22	1,086924E+22	8,541294E+21	5,345650E+21	2,444474E+21	6,152273E+20	4,219873E+19	4,221074E+19	6,153509E+20	2,444705E+21
1640	5,345873E+21	8,541194E+21	1,086856E+22	1,086866E+22	8,541372E+21	5,346037E+21	2,444855E+21	6,154531E+20	4,223992E+19	4,222912E+19	6,153079E+20	2,444513E+21
1641	5,345603E+21	8,541115E+21	1,086879E+22	1,086884E+22	8,541242E+21	5,345726E+21	2,444608E+21	6,153770E+20	4,224866E+19	4,226030E+19	6,154984E+20	2,444856E+21
1642	5,345993E+21	8,541331E+21	1,086859E+22	1,086821E+22	8,540694E+21	5,345551E+21	2,444661E+21	6,154477E+20	4,226243E+19	4,226150E+19	6,154449E+20	2,444659E+21
1643	5,345527E+21	8,540604E+21	1,086802E+22	1,086835E+22	8,541182E+21	5,345951E+21	2,444901E+21	6,155664E+20	4,228315E+19	4,227117E+19	6,154354E+20	2,444630E+21
1644	5,345650E+21	8,541014E+21	1,086848E+22	1,086850E+22	8,541015E+21	5,345592E+21	2,444576E+21	6,154101E+20	4,226818E+19	4,228024E+19	6,155630E+20	2,444906E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1645	5,345943E+21	8,541119E+21	1,086824E+22	1,086804E+22	8,540879E+21	5,345795E+21	2,444789E+21	6,154830E+20	4,225932E+19	4,224928E+19	6,153702E+20	2,444565E+21
1646	5,345540E+21	8,540839E+21	1,086847E+22	1,086872E+22	8,541341E+21	5,345946E+21	2,444762E+21	6,154217E+20	4,224499E+19	4,223912E+19	6,153768E+20	2,444686E+21
1647	5,345953E+21	8,541525E+21	1,086908E+22	1,086892E+22	8,541106E+21	5,345550E+21	2,444466E+21	6,152553E+20	4,220792E+19	4,221975E+19	6,153657E+20	2,444694E+21
1648	5,345876E+21	8,541353E+21	1,086888E+22	1,086890E+22	8,541475E+21	5,346011E+21	2,444756E+21	6,153464E+20	4,219994E+19	4,218245E+19	6,151706E+20	2,444391E+21
1649	5,345570E+21	8,541322E+21	1,086948E+22	1,086970E+22	8,541830E+21	5,345960E+21	2,444531E+21	6,151920E+20	4,217735E+19	4,218162E+19	6,152584E+20	2,444684E+21
1650	5,346101E+21	8,541857E+21	1,086971E+22	1,086950E+22	8,541467E+21	5,345743E+21	2,444440E+21	6,151209E+20	4,215035E+19	4,215691E+19	6,151764E+20	2,444550E+21
1651	5,345854E+21	8,541440E+21	1,086929E+22	1,086959E+22	8,541927E+21	5,346167E+21	2,444712E+21	6,152402E+20	4,216409E+19	4,214789E+19	6,150869E+20	2,444410E+21
1652	5,345876E+21	8,541859E+21	1,086990E+22	1,086989E+22	8,541871E+21	5,345868E+21	2,444401E+21	6,150894E+20	4,214974E+19	4,216541E+19	6,152361E+20	2,444700E+21
1653	5,346194E+21	8,542037E+21	1,086978E+22	1,086937E+22	8,541457E+21	5,345856E+21	2,444550E+21	6,151832E+20	4,216036E+19	4,215380E+19	6,151254E+20	2,444431E+21
1654	5,345715E+21	8,541411E+21	1,086945E+22	1,086967E+22	8,541815E+21	5,346058E+21	2,444687E+21	6,152816E+20	4,219016E+19	4,218473E+19	6,152073E+20	2,444522E+21
1655	5,345897E+21	8,541695E+21	1,086955E+22	1,086949E+22	8,541473E+21	5,345635E+21	2,444413E+21	6,152039E+20	4,219612E+19	4,221458E+19	6,153790E+20	2,444744E+21
1656	5,345918E+21	8,541328E+21	1,086872E+22	1,086862E+22	8,541263E+21	5,345930E+21	2,444775E+21	6,154273E+20	4,223894E+19	4,222875E+19	6,153224E+20	2,444528E+21
1657	5,345501E+21	8,540817E+21	1,086850E+22	1,086874E+22	8,541333E+21	5,345909E+21	2,444739E+21	6,154461E+20	4,226318E+19	4,227085E+19	6,154927E+20	2,444802E+21
1658	5,345908E+21	8,541173E+21	1,086840E+22	1,086810E+22	8,540597E+21	5,345452E+21	2,444609E+21	6,154545E+20	4,227937E+19	4,229039E+19	6,155686E+20	2,444810E+21
1659	5,345640E+21	8,540522E+21	1,086747E+22	1,086756E+22	8,540681E+21	5,345802E+21	2,444982E+21	6,156932E+20	4,232449E+19	4,231040E+19	6,155236E+20	2,444614E+21
1660	5,345384E+21	8,540455E+21	1,086769E+22	1,086778E+22	8,540681E+21	5,345579E+21	2,444741E+21	6,156134E+20	4,233475E+19	4,234437E+19	6,157237E+20	2,444961E+21
1661	5,345752E+21	8,540633E+21	1,086748E+22	1,086716E+22	8,540144E+21	5,345431E+21	2,444807E+21	6,156743E+20	4,234421E+19	4,234308E+19	6,156699E+20	2,444802E+21
1662	5,345395E+21	8,540018E+21	1,086695E+22	1,086729E+22	8,540565E+21	5,345761E+21	2,445002E+21	6,157630E+20	4,235663E+19	4,234596E+19	6,156461E+20	2,444777E+21
1663	5,345558E+21	8,540521E+21	1,086753E+22	1,086751E+22	8,540443E+21	5,345409E+21	2,444659E+21	6,155839E+20	4,233299E+19	4,234759E+19	6,157487E+20	2,445007E+21
1664	5,345801E+21	8,540638E+21	1,086738E+22	1,086712E+22	8,540305E+21	5,345629E+21	2,444885E+21	6,156555E+20	4,232178E+19	4,231340E+19	6,155516E+20	2,444669E+21
1665	5,345389E+21	8,540334E+21	1,086768E+22	1,086795E+22	8,540846E+21	5,345786E+21	2,444857E+21	6,155949E+20	4,230700E+19	4,229973E+19	6,155382E+20	2,444750E+21
1666	5,345763E+21	8,541022E+21	1,086830E+22	1,086816E+22	8,540661E+21	5,345414E+21	2,444561E+21	6,154271E+20	4,227000E+19	4,228210E+19	6,155436E+20	2,444790E+21
1667	5,345670E+21	8,540722E+21	1,086791E+22	1,086802E+22	8,540978E+21	5,345864E+21	2,444857E+21	6,155348E+20	4,226814E+19	4,224939E+19	6,153592E+20	2,444522E+21
1668	5,345463E+21	8,540788E+21	1,086846E+22	1,086869E+22	8,541322E+21	5,345871E+21	2,444660E+21	6,153873E+20	4,224829E+19	4,225271E+19	6,154530E+20	2,444803E+21
1669	5,345985E+21	8,541368E+21	1,086877E+22	1,086849E+22	8,540870E+21	5,345597E+21	2,444575E+21	6,153250E+20	4,222260E+19	4,222826E+19	6,153692E+20	2,444666E+21
1670	5,345767E+21	8,541013E+21	1,086841E+22	1,086860E+22	8,541260E+21	5,345926E+21	2,444799E+21	6,154376E+20	4,223698E+19	4,222090E+19	6,152837E+20	2,444510E+21
1671	5,345718E+21	8,541367E+21	1,086905E+22	1,086900E+22	8,541296E+21	5,345655E+21	2,444489E+21	6,152890E+20	4,222366E+19	4,224058E+19	6,154399E+20	2,444783E+21
1672	5,345947E+21	8,541392E+21	1,086881E+22	1,086845E+22	8,540906E+21	5,345684E+21	2,444661E+21	6,153982E+20	4,224012E+19	4,223530E+19	6,153583E+20	2,444568E+21
1673	5,345494E+21	8,540677E+21	1,086833E+22	1,086869E+22	8,541294E+21	5,345935E+21	2,444822E+21	6,155022E+20	4,227071E+19	4,226554E+19	6,154304E+20	2,444650E+21
1674	5,345708E+21	8,541031E+21	1,086842E+22	1,086840E+22	8,540878E+21	5,345504E+21	2,444560E+21	6,154247E+20	4,227566E+19	4,229476E+19	6,156058E+20	2,444880E+21
1675	5,345724E+21	8,540618E+21	1,086749E+22	1,086741E+22	8,540550E+21	5,345728E+21	2,444921E+21	6,156680E+20	4,232331E+19	4,231108E+19	6,155455E+20	2,444658E+21
1676	5,345348E+21	8,540211E+21	1,086733E+22	1,086750E+22	8,540650E+21	5,345755E+21	2,444897E+21	6,156920E+20	4,235022E+19	4,235561E+19	6,157173E+20	2,444901E+21
1677	5,345680E+21	8,540535E+21	1,086732E+22	1,086698E+22	8,539904E+21	5,345256E+21	2,444763E+21	6,157041E+20	4,236732E+19	4,237615E+19	6,158009E+20	2,444937E+21
1678	5,345461E+21	8,539899E+21	1,086639E+22	1,086649E+22	8,540008E+21	5,345545E+21	2,445069E+21	6,159164E+20	4,240892E+19	4,239577E+19	6,157641E+20	2,444771E+21
1679	5,345232E+21	8,539844E+21	1,086662E+22	1,086674E+22	8,540094E+21	5,345385E+21	2,444831E+21	6,158158E+20	4,241272E+19	4,242556E+19	6,159555E+20	2,445115E+21
1680	5,345611E+21	8,540037E+21	1,086642E+22	1,086611E+22	8,539540E+21	5,345267E+21	2,444917E+21	6,158687E+20	4,241721E+19	4,241973E+19	6,158916E+20	2,444963E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1681	5,345298E+21	8,539509E+21	1,086603E+22	1,086636E+22	8,540005E+21	5,345598E+21	2,445109E+21	6,159472E+20	4,242361E+19	4,241248E+19	6,158224E+20	2,444862E+21
1682	5,345415E+21	8,540088E+21	1,086674E+22	1,086666E+22	8,539908E+21	5,345260E+21	2,444770E+21	6,157627E+20	4,239632E+19	4,240992E+19	6,159139E+20	2,445059E+21
1683	5,345557E+21	8,540043E+21	1,086650E+22	1,086629E+22	8,539783E+21	5,345459E+21	2,444998E+21	6,158501E+20	4,238931E+19	4,237759E+19	6,157215E+20	2,444739E+21
1684	5,345180E+21	8,539747E+21	1,086671E+22	1,086706E+22	8,540415E+21	5,345704E+21	2,444984E+21	6,157926E+20	4,237783E+19	4,236850E+19	6,157230E+20	2,444833E+21
1685	5,345536E+21	8,540392E+21	1,086730E+22	1,086723E+22	8,540173E+21	5,345322E+21	2,444701E+21	6,156247E+20	4,233971E+19	4,235111E+19	6,157366E+20	2,444925E+21
1686	5,345579E+21	8,540217E+21	1,086693E+22	1,086703E+22	8,540375E+21	5,345660E+21	2,444937E+21	6,157118E+20	4,233500E+19	4,231759E+19	6,155533E+20	2,444664E+21
1687	5,345402E+21	8,540376E+21	1,086759E+22	1,086774E+22	8,540721E+21	5,345660E+21	2,444739E+21	6,155618E+20	4,231324E+19	4,231998E+19	6,156386E+20	2,444906E+21
1688	5,345849E+21	8,540911E+21	1,086793E+22	1,086759E+22	8,540283E+21	5,345409E+21	2,444671E+21	6,155110E+20	4,229125E+19	4,229827E+19	6,155667E+20	2,444778E+21
1689	5,345599E+21	8,540496E+21	1,086760E+22	1,086781E+22	8,540737E+21	5,345743E+21	2,444898E+21	6,156329E+20	4,230883E+19	4,229226E+19	6,154759E+20	2,444593E+21
1690	5,345495E+21	8,540772E+21	1,086812E+22	1,086814E+22	8,540808E+21	5,345520E+21	2,444608E+21	6,154952E+20	4,229918E+19	4,231658E+19	6,156533E+20	2,444891E+21
1691	5,345693E+21	8,540637E+21	1,086762E+22	1,086740E+22	8,540347E+21	5,345549E+21	2,444805E+21	6,156277E+20	4,232301E+19	4,231767E+19	6,155901E+20	2,444722E+21
1692	5,345348E+21	8,540022E+21	1,086706E+22	1,086744E+22	8,540674E+21	5,345833E+21	2,444992E+21	6,157438E+20	4,235709E+19	4,235187E+19	6,156659E+20	2,444782E+21
1693	5,345525E+21	8,540389E+21	1,086724E+22	1,086716E+22	8,540153E+21	5,345327E+21	2,444729E+21	6,156744E+20	4,236296E+19	4,238053E+19	6,158373E+20	2,445017E+21
1694	5,345591E+21	8,540047E+21	1,086638E+22	1,086621E+22	8,539752E+21	5,345432E+21	2,445020E+21	6,159003E+20	4,240947E+19	4,239750E+19	6,157812E+20	2,444788E+21
1695	5,345168E+21	8,539622E+21	1,086629E+22	1,086642E+22	8,539941E+21	5,345482E+21	2,444991E+21	6,159167E+20	4,243404E+19	4,244082E+19	6,159534E+20	2,445022E+21
1696	5,345446E+21	8,539854E+21	1,086623E+22	1,086593E+22	8,539290E+21	5,345057E+21	2,444870E+21	6,159247E+20	4,245059E+19	4,246182E+19	6,160479E+20	2,445102E+21
1697	5,345281E+21	8,539244E+21	1,086533E+22	1,086550E+22	8,539450E+21	5,345390E+21	2,445182E+21	6,161214E+20	4,248588E+19	4,247378E+19	6,159813E+20	2,444908E+21
1698	5,345090E+21	8,539294E+21	1,086564E+22	1,086576E+22	8,539544E+21	5,345257E+21	2,444963E+21	6,160139E+20	4,248431E+19	4,249725E+19	6,161529E+20	2,445222E+21
1699	5,345433E+21	8,539444E+21	1,086540E+22	1,086513E+22	8,538974E+21	5,345116E+21	2,445052E+21	6,160755E+20	4,248897E+19	4,248908E+19	6,160743E+20	2,445053E+21
1700	5,345143E+21	8,539002E+21	1,086506E+22	1,086537E+22	8,539490E+21	5,345504E+21	2,445257E+21	6,161566E+20	4,249624E+19	4,248156E+19	6,159993E+20	2,444913E+21
1701	5,345158E+21	8,539498E+21	1,086584E+22	1,086579E+22	8,539393E+21	5,345126E+21	2,444915E+21	6,159741E+20	4,246875E+19	4,247898E+19	6,160966E+20	2,445151E+21
1702	5,345373E+21	8,539452E+21	1,086553E+22	1,086538E+22	8,539233E+21	5,345248E+21	2,445074E+21	6,160370E+20	4,245949E+19	4,244807E+19	6,159226E+20	2,444878E+21
1703	5,345052E+21	8,539211E+21	1,086574E+22	1,086611E+22	8,539872E+21	5,345530E+21	2,445068E+21	6,159653E+20	4,244371E+19	4,243767E+19	6,159249E+20	2,444982E+21
1704	5,345437E+21	8,539900E+21	1,086636E+22	1,086625E+22	8,539591E+21	5,345148E+21	2,444792E+21	6,157959E+20	4,240444E+19	4,241938E+19	6,159372E+20	2,445080E+21
1705	5,345509E+21	8,539815E+21	1,086614E+22	1,086616E+22	8,539809E+21	5,345464E+21	2,445013E+21	6,158776E+20	4,239775E+19	4,238105E+19	6,157239E+20	2,444754E+21
1706	5,345281E+21	8,539993E+21	1,086687E+22	1,086695E+22	8,540207E+21	5,345488E+21	2,444831E+21	6,157369E+20	4,237725E+19	4,238398E+19	6,158083E+20	2,444960E+21
1707	5,345603E+21	8,540309E+21	1,086703E+22	1,086678E+22	8,539792E+21	5,345241E+21	2,444784E+21	6,157151E+20	4,236431E+19	4,236888E+19	6,157553E+20	2,444862E+21
1708	5,345374E+21	8,539859E+21	1,086652E+22	1,086684E+22	8,540294E+21	5,345675E+21	2,445051E+21	6,158554E+20	4,238856E+19	4,237071E+19	6,156873E+20	2,444689E+21
1709	5,345232E+21	8,540047E+21	1,086698E+22	1,086707E+22	8,540259E+21	5,345428E+21	2,444786E+21	6,157301E+20	4,238128E+19	4,239740E+19	6,158749E+20	2,445035E+21
1710	5,345553E+21	8,539995E+21	1,086642E+22	1,086620E+22	8,539638E+21	5,345324E+21	2,444925E+21	6,158508E+20	4,240502E+19	4,240089E+19	6,158249E+20	2,444882E+21
1711	5,345236E+21	8,539481E+21	1,086595E+22	1,086623E+22	8,539930E+21	5,345589E+21	2,445107E+21	6,159631E+20	4,243739E+19	4,243470E+19	6,158970E+20	2,444915E+21
1712	5,345351E+21	8,539804E+21	1,086617E+22	1,086601E+22	8,539417E+21	5,345084E+21	2,444845E+21	6,159006E+20	4,244616E+19	4,246521E+19	6,160776E+20	2,445162E+21
1713	5,345401E+21	8,539451E+21	1,086542E+22	1,086522E+22	8,539102E+21	5,345182E+21	2,445114E+21	6,161193E+20	4,249185E+19	4,248024E+19	6,160082E+20	2,444912E+21
1714	5,344969E+21	8,539006E+21	1,086528E+22	1,086545E+22	8,539381E+21	5,345296E+21	2,445102E+21	6,161356E+20	4,251578E+19	4,252284E+19	6,161828E+20	2,445152E+21
1715	5,345220E+21	8,539122E+21	1,086505E+22	1,086488E+22	8,538732E+21	5,344916E+21	2,445015E+21	6,161564E+20	4,253439E+19	4,254460E+19	6,162763E+20	2,445253E+21
1716	5,345149E+21	8,538654E+21	1,086418E+22	1,086435E+22	8,538893E+21	5,345303E+21	2,445352E+21	6,163544E+20	4,256833E+19	4,255458E+19	6,161952E+20	2,445012E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1717	5,344891E+21	8,538704E+21	1,086461E+22	1,086470E+22	8,538937E+21	5,345129E+21	2,445139E+21	6,162477E+20	4,256389E+19	4,257301E+19	6,163477E+20	2,445315E+21
1718	5,345265E+21	8,538887E+21	1,086441E+22	1,086411E+22	8,538338E+21	5,344887E+21	2,445154E+21	6,162828E+20	4,256420E+19	4,256369E+19	6,162746E+20	2,445148E+21
1719	5,344947E+21	8,538442E+21	1,086411E+22	1,086442E+22	8,538905E+21	5,345285E+21	2,445347E+21	6,163492E+20	4,256755E+19	4,255407E+19	6,162023E+20	2,445019E+21
1720	5,344932E+21	8,538842E+21	1,086481E+22	1,086483E+22	8,538869E+21	5,344963E+21	2,445006E+21	6,161567E+20	4,253777E+19	4,255069E+19	6,163071E+20	2,445305E+21
1721	5,345230E+21	8,538897E+21	1,086462E+22	1,086449E+22	8,538712E+21	5,345074E+21	2,445146E+21	6,161963E+20	4,252154E+19	4,251240E+19	6,161068E+20	2,445014E+21
1722	5,344976E+21	8,538788E+21	1,086492E+22	1,086523E+22	8,539336E+21	5,345357E+21	2,445153E+21	6,161249E+20	4,250288E+19	4,249797E+19	6,160925E+20	2,445080E+21
1723	5,345307E+21	8,539429E+21	1,086550E+22	1,086538E+22	8,539076E+21	5,344996E+21	2,444900E+21	6,159745E+20	4,246740E+19	4,248061E+19	6,161001E+20	2,445166E+21
1724	5,345388E+21	8,539406E+21	1,086532E+22	1,086529E+22	8,539343E+21	5,345361E+21	2,445144E+21	6,160727E+20	4,246675E+19	4,244742E+19	6,158942E+20	2,444805E+21
1725	5,345034E+21	8,539426E+21	1,086603E+22	1,086614E+22	8,539743E+21	5,345368E+21	2,444980E+21	6,159517E+20	4,245130E+19	4,245499E+19	6,159942E+20	2,445051E+21
1726	5,345404E+21	8,539672E+21	1,086599E+22	1,086583E+22	8,539269E+21	5,345057E+21	2,444881E+21	6,159205E+20	4,244159E+19	4,244717E+19	6,159761E+20	2,445005E+21
1727	5,345218E+21	8,539247E+21	1,086542E+22	1,086572E+22	8,539678E+21	5,345499E+21	2,445172E+21	6,160627E+20	4,246583E+19	4,245191E+19	6,159214E+20	2,444850E+21
1728	5,345080E+21	8,539417E+21	1,086584E+22	1,086590E+22	8,539577E+21	5,345233E+21	2,444914E+21	6,159462E+20	4,246059E+19	4,247960E+19	6,161109E+20	2,445197E+21
1729	5,345419E+21	8,539461E+21	1,086544E+22	1,086510E+22	8,538931E+21	5,345073E+21	2,445024E+21	6,160614E+20	4,248348E+19	4,248010E+19	6,160414E+20	2,445001E+21
1730	5,345072E+21	8,538960E+21	1,086503E+22	1,086521E+22	8,539258E+21	5,345346E+21	2,445215E+21	6,161820E+20	4,251723E+19	4,251425E+19	6,161117E+20	2,445007E+21
1731	5,345086E+21	8,539096E+21	1,086508E+22	1,086499E+22	8,538826E+21	5,344888E+21	2,444976E+21	6,161406E+20	4,253262E+19	4,254921E+19	6,163061E+20	2,445288E+21
1732	5,345187E+21	8,538759E+21	1,086422E+22	1,086411E+22	8,538589E+21	5,345087E+21	2,445273E+21	6,163632E+20	4,258053E+19	4,256766E+19	6,162437E+20	2,445036E+21
1733	5,344734E+21	8,538285E+21	1,086411E+22	1,086436E+22	8,538813E+21	5,345190E+21	2,445286E+21	6,163840E+20	4,260260E+19	4,260703E+19	6,164091E+20	2,445300E+21
1734	5,345088E+21	8,538484E+21	1,086386E+22	1,086370E+22	8,538073E+21	5,344711E+21	2,445144E+21	6,163851E+20	4,261757E+19	4,262783E+19	6,165030E+20	2,445391E+21
1735	5,345014E+21	8,538116E+21	1,086314E+22	1,086322E+22	8,538223E+21	5,345104E+21	2,445480E+21	6,165680E+20	4,264524E+19	4,263299E+19	6,164116E+20	2,445126E+21
1736	5,344689E+21	8,538103E+21	1,086363E+22	1,086367E+22	8,538296E+21	5,344925E+21	2,445254E+21	6,164552E+20	4,263917E+19	4,264894E+19	6,165596E+20	2,445429E+21
1737	5,345051E+21	8,538302E+21	1,086352E+22	1,086321E+22	8,537770E+21	5,344665E+21	2,445228E+21	6,164667E+20	4,263366E+19	4,263430E+19	6,164720E+20	2,445267E+21
1738	5,344782E+21	8,537892E+21	1,086321E+22	1,086352E+22	8,538400E+21	5,345114E+21	2,445422E+21	6,165191E+20	4,263257E+19	4,262052E+19	6,163923E+20	2,445142E+21
1739	5,344779E+21	8,538244E+21	1,086380E+22	1,086387E+22	8,538359E+21	5,344827E+21	2,445113E+21	6,163367E+20	4,260326E+19	4,261611E+19	6,164906E+20	2,445444E+21
1740	5,345172E+21	8,538470E+21	1,086370E+22	1,086353E+22	8,538220E+21	5,344969E+21	2,445268E+21	6,163799E+20	4,258741E+19	4,257679E+19	6,162749E+20	2,445098E+21
1741	5,344836E+21	8,538362E+21	1,086416E+22	1,086440E+22	8,538824E+21	5,345217E+21	2,445287E+21	6,163212E+20	4,256996E+19	4,256103E+19	6,162504E+20	2,445150E+21
1742	5,345157E+21	8,538946E+21	1,086469E+22	1,086455E+22	8,538550E+21	5,344790E+21	2,444987E+21	6,161641E+20	4,253650E+19	4,254852E+19	6,162785E+20	2,445238E+21
1743	5,345183E+21	8,538871E+21	1,086446E+22	1,086443E+22	8,538840E+21	5,345190E+21	2,445245E+21	6,162635E+20	4,253734E+19	4,251980E+19	6,160970E+20	2,444907E+21
1744	5,344792E+21	8,538740E+21	1,086499E+22	1,086518E+22	8,539237E+21	5,345239E+21	2,445098E+21	6,161503E+20	4,252481E+19	4,253120E+19	6,162127E+20	2,445190E+21
1745	5,345218E+21	8,539054E+21	1,086499E+22	1,086482E+22	8,538699E+21	5,344887E+21	2,444983E+21	6,161106E+20	4,251322E+19	4,252127E+19	6,161869E+20	2,445151E+21
1746	5,345106E+21	8,538723E+21	1,086443E+22	1,086466E+22	8,539048E+21	5,345303E+21	2,445278E+21	6,162600E+20	4,253815E+19	4,252561E+19	6,161251E+20	2,444966E+21
1747	5,344910E+21	8,538806E+21	1,086476E+22	1,086480E+22	8,538941E+21	5,345047E+21	2,445048E+21	6,161697E+20	4,253944E+19	4,255664E+19	6,163195E+20	2,445317E+21
1748	5,345261E+21	8,538899E+21	1,086440E+22	1,086403E+22	8,538335E+21	5,344910E+21	2,445169E+21	6,163012E+20	4,256914E+19	4,256310E+19	6,162609E+20	2,445098E+21
1749	5,344819E+21	8,538281E+21	1,086399E+22	1,086420E+22	8,538673E+21	5,345170E+21	2,445369E+21	6,164362E+20	4,260668E+19	4,260033E+19	6,163431E+20	2,445146E+21
1750	5,344895E+21	8,538373E+21	1,086387E+22	1,086385E+22	8,538215E+21	5,344693E+21	2,445097E+21	6,163813E+20	4,262306E+19	4,264042E+19	6,165616E+20	2,445461E+21
1751	5,345047E+21	8,538129E+21	1,086305E+22	1,086289E+22	8,537900E+21	5,344899E+21	2,445411E+21	6,165944E+20	4,266676E+19	4,265806E+19	6,165008E+20	2,445209E+21
1752	5,344585E+21	8,537641E+21	1,086294E+22	1,086314E+22	8,538116E+21	5,344997E+21	2,445426E+21	6,166143E+20	4,268642E+19	4,269269E+19	6,166467E+20	2,445441E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1753	5,344926E+21	8,537946E+21	1,086291E+22	1,086264E+22	8,537406E+21	5,344480E+21	2,445241E+21	6,165910E+20	4,269423E+19	4,270550E+19	6,167114E+20	2,445493E+21
1754	5,344826E+21	8,537571E+21	1,086224E+22	1,086226E+22	8,537603E+21	5,344881E+21	2,445572E+21	6,167651E+20	4,271763E+19	4,270509E+19	6,166054E+20	2,445203E+21
1755	5,344424E+21	8,537389E+21	1,086257E+22	1,086272E+22	8,537778E+21	5,344769E+21	2,445370E+21	6,166603E+20	4,271259E+19	4,272011E+19	6,167538E+20	2,445540E+21
1756	5,344867E+21	8,537674E+21	1,086245E+22	1,086223E+22	8,537312E+21	5,344579E+21	2,445359E+21	6,166663E+20	4,270556E+19	4,270468E+19	6,166622E+20	2,445374E+21
1757	5,344608E+21	8,537314E+21	1,086226E+22	1,086260E+22	8,537884E+21	5,344994E+21	2,445562E+21	6,167181E+20	4,270137E+19	4,268609E+19	6,165683E+20	2,445268E+21
1758	5,344704E+21	8,537764E+21	1,086286E+22	1,086290E+22	8,537796E+21	5,344644E+21	2,445208E+21	6,165206E+20	4,267003E+19	4,268245E+19	6,166685E+20	2,445549E+21
1759	5,345080E+21	8,538084E+21	1,086293E+22	1,086263E+22	8,537647E+21	5,344789E+21	2,445365E+21	6,165555E+20	4,265178E+19	4,264270E+19	6,164551E+20	2,445185E+21
1760	5,344660E+21	8,537861E+21	1,086337E+22	1,086358E+22	8,538309E+21	5,345046E+21	2,445386E+21	6,165059E+20	4,263726E+19	4,262876E+19	6,164349E+20	2,445234E+21
1761	5,344943E+21	8,538411E+21	1,086391E+22	1,086378E+22	8,538094E+21	5,344614E+21	2,445057E+21	6,163377E+20	4,260282E+19	4,261630E+19	6,164667E+20	2,445344E+21
1762	5,345006E+21	8,538300E+21	1,086357E+22	1,086355E+22	8,538361E+21	5,345050E+21	2,445333E+21	6,164400E+20	4,260453E+19	4,258912E+19	6,162949E+20	2,445032E+21
1763	5,344622E+21	8,538076E+21	1,086388E+22	1,086413E+22	8,538696E+21	5,345120E+21	2,445233E+21	6,163516E+20	4,259678E+19	4,260362E+19	6,164157E+20	2,445332E+21
1764	5,345118E+21	8,538522E+21	1,086393E+22	1,086372E+22	8,538124E+21	5,344762E+21	2,445130E+21	6,163282E+20	4,259028E+19	4,259686E+19	6,163885E+20	2,445255E+21
1765	5,344938E+21	8,538186E+21	1,086350E+22	1,086365E+22	8,538409E+21	5,345114E+21	2,445423E+21	6,164934E+20	4,261915E+19	4,260326E+19	6,163284E+20	2,445077E+21
1766	5,344745E+21	8,538199E+21	1,086371E+22	1,086372E+22	8,538266E+21	5,344798E+21	2,445156E+21	6,164044E+20	4,262548E+19	4,264159E+19	6,165488E+20	2,445436E+21
1767	5,345056E+21	8,538255E+21	1,086333E+22	1,086295E+22	8,537693E+21	5,344701E+21	2,445288E+21	6,165320E+20	4,265599E+19	4,265268E+19	6,165133E+20	2,445248E+21
1768	5,344599E+21	8,537543E+21	1,086280E+22	1,086307E+22	8,538050E+21	5,344997E+21	2,445497E+21	6,166682E+20	4,269370E+19	4,268998E+19	6,165963E+20	2,445308E+21
1769	5,344719E+21	8,537731E+21	1,086277E+22	1,086271E+22	8,537560E+21	5,344498E+21	2,445211E+21	6,165993E+20	4,270512E+19	4,272455E+19	6,167952E+20	2,445610E+21
1770	5,344915E+21	8,537571E+21	1,086202E+22	1,086179E+22	8,537245E+21	5,344710E+21	2,445530E+21	6,168061E+20	4,274412E+19	4,273663E+19	6,167140E+20	2,445317E+21
1771	5,344388E+21	8,536997E+21	1,086185E+22	1,086205E+22	8,537491E+21	5,344833E+21	2,445572E+21	6,168409E+20	4,276552E+19	4,276916E+19	6,168495E+20	2,445535E+21
1772	5,344721E+21	8,537334E+21	1,086187E+22	1,086163E+22	8,536855E+21	5,344341E+21	2,445390E+21	6,168218E+20	4,277491E+19	4,278271E+19	6,169125E+20	2,445571E+21
1773	5,344563E+21	8,536891E+21	1,086124E+22	1,086133E+22	8,537069E+21	5,344725E+21	2,445708E+21	6,169910E+20	4,279689E+19	4,278038E+19	6,168087E+20	2,445333E+21
1774	5,344257E+21	8,536710E+21	1,086142E+22	1,086164E+22	8,537195E+21	5,344595E+21	2,445476E+21	6,168671E+20	4,278977E+19	4,279711E+19	6,169685E+20	2,445691E+21
1775	5,344769E+21	8,537152E+21	1,086145E+22	1,086117E+22	8,536681E+21	5,344406E+21	2,445470E+21	6,168559E+20	4,277648E+19	4,277880E+19	6,168732E+20	2,445520E+21
1776	5,344513E+21	8,536835E+21	1,086135E+22	1,086162E+22	8,537278E+21	5,344803E+21	2,445658E+21	6,169039E+20	4,276997E+19	4,275568E+19	6,167588E+20	2,445374E+21
1777	5,344579E+21	8,537379E+21	1,086216E+22	1,086207E+22	8,537248E+21	5,344442E+21	2,445278E+21	6,166894E+20	4,273363E+19	4,274694E+19	6,168399E+20	2,445625E+21
1778	5,344916E+21	8,537641E+21	1,086223E+22	1,086190E+22	8,537173E+21	5,344612E+21	2,445432E+21	6,167195E+20	4,271377E+19	4,270528E+19	6,166242E+20	2,445249E+21
1779	5,344421E+21	8,537212E+21	1,086242E+22	1,086277E+22	8,537902E+21	5,344948E+21	2,445496E+21	6,166887E+20	4,270355E+19	4,269449E+19	6,166153E+20	2,445333E+21
1780	5,344757E+21	8,537789E+21	1,086288E+22	1,086287E+22	8,537683E+21	5,344558E+21	2,445195E+21	6,165313E+20	4,267233E+19	4,268515E+19	6,166533E+20	2,445447E+21
1781	5,344831E+21	8,537703E+21	1,086258E+22	1,086259E+22	8,537812E+21	5,344929E+21	2,445482E+21	6,166480E+20	4,267648E+19	4,265858E+19	6,164852E+20	2,445169E+21
1782	5,344526E+21	8,537522E+21	1,086280E+22	1,086302E+22	8,538047E+21	5,344931E+21	2,445351E+21	6,165617E+20	4,267228E+19	4,267885E+19	6,166202E+20	2,445454E+21
1783	5,345003E+21	8,538049E+21	1,086299E+22	1,086264E+22	8,537417E+21	5,344545E+21	2,445247E+21	6,165409E+20	4,266856E+19	4,267686E+19	6,166116E+20	2,445377E+21
1784	5,344751E+21	8,537588E+21	1,086250E+22	1,086262E+22	8,537747E+21	5,344875E+21	2,445526E+21	6,167172E+20	4,270224E+19	4,268736E+19	6,165608E+20	2,445200E+21
1785	5,344538E+21	8,537598E+21	1,086273E+22	1,086273E+22	8,537672E+21	5,344578E+21	2,445238E+21	6,166163E+20	4,270739E+19	4,272569E+19	6,167848E+20	2,445584E+21
1786	5,344891E+21	8,537630E+21	1,086227E+22	1,086190E+22	8,537091E+21	5,344518E+21	2,445388E+21	6,167419E+20	4,273682E+19	4,273640E+19	6,167483E+20	2,445394E+21
1787	5,344425E+21	8,536849E+21	1,086159E+22	1,086191E+22	8,537432E+21	5,344862E+21	2,445653E+21	6,168992E+20	4,277658E+19	4,277284E+19	6,168224E+20	2,445444E+21
1788	5,344571E+21	8,537135E+21	1,086165E+22	1,086159E+22	8,536960E+21	5,344374E+21	2,445382E+21	6,168436E+20	4,279058E+19	4,280684E+19	6,170065E+20	2,445692E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1789	5,344678E+21	8,536938E+21	1,086102E+22	1,086077E+22	8,536609E+21	5,344541E+21	2,445697E+21	6,170548E+20	4,282922E+19	4,281707E+19	6,169234E+20	2,445416E+21
1790	5,344160E+21	8,536284E+21	1,086068E+22	1,086095E+22	8,536848E+21	5,344627E+21	2,445699E+21	6,170796E+20	4,285147E+19	4,285261E+19	6,170736E+20	2,445644E+21
1791	5,344489E+21	8,536645E+21	1,086074E+22	1,086053E+22	8,536220E+21	5,344164E+21	2,445515E+21	6,170415E+20	4,285666E+19	4,286653E+19	6,171504E+20	2,445720E+21
1792	5,344372E+21	8,536199E+21	1,086009E+22	1,086024E+22	8,536450E+21	5,344544E+21	2,445815E+21	6,171956E+20	4,287379E+19	4,285914E+19	6,170326E+20	2,445487E+21
1793	5,344147E+21	8,536219E+21	1,086047E+22	1,086062E+22	8,536574E+21	5,344389E+21	2,445555E+21	6,170455E+20	4,285801E+19	4,286737E+19	6,171651E+20	2,445828E+21
1794	5,344699E+21	8,536756E+21	1,086065E+22	1,086029E+22	8,536123E+21	5,344217E+21	2,445541E+21	6,170191E+20	4,283815E+19	4,284190E+19	6,170447E+20	2,445609E+21
1795	5,344371E+21	8,536370E+21	1,086054E+22	1,086080E+22	8,536784E+21	5,344666E+21	2,445765E+21	6,170798E+20	4,283295E+19	4,281702E+19	6,169215E+20	2,445445E+21
1796	5,344407E+21	8,536890E+21	1,086136E+22	1,086134E+22	8,536857E+21	5,344352E+21	2,445402E+21	6,168784E+20	4,280005E+19	4,281040E+19	6,170022E+20	2,445677E+21
1797	5,344675E+21	8,537055E+21	1,086140E+22	1,086118E+22	8,536776E+21	5,344519E+21	2,445557E+21	6,169113E+20	4,278162E+19	4,277047E+19	6,168038E+20	2,445368E+21
1798	5,344272E+21	8,536584E+21	1,086131E+22	1,086175E+22	8,537372E+21	5,344818E+21	2,445611E+21	6,168821E+20	4,277482E+19	4,276637E+19	6,168162E+20	2,445466E+21
1799	5,344644E+21	8,537263E+21	1,086186E+22	1,086180E+22	8,537036E+21	5,344399E+21	2,445323E+21	6,167256E+20	4,274376E+19	4,275963E+19	6,168647E+20	2,445586E+21
1800	5,344714E+21	8,537193E+21	1,086161E+22	1,086156E+22	8,537140E+21	5,344702E+21	2,445580E+21	6,168481E+20	4,275066E+19	4,273391E+19	6,166912E+20	2,445278E+21
1801	5,344382E+21	8,537083E+21	1,086196E+22	1,086204E+22	8,537369E+21	5,344672E+21	2,445427E+21	6,167576E+20	4,274615E+19	4,275396E+19	6,168241E+20	2,445555E+21
1802	5,344820E+21	8,537519E+21	1,086211E+22	1,086175E+22	8,536838E+21	5,344323E+21	2,445322E+21	6,167378E+20	4,274388E+19	4,275304E+19	6,168213E+20	2,445478E+21
1803	5,344512E+21	8,536891E+21	1,086141E+22	1,086163E+22	8,537226E+21	5,344737E+21	2,445647E+21	6,169322E+20	4,278227E+19	4,276767E+19	6,167828E+20	2,445330E+21
1804	5,344345E+21	8,536913E+21	1,086157E+22	1,086169E+22	8,537160E+21	5,344493E+21	2,445403E+21	6,168509E+20	4,279144E+19	4,280812E+19	6,170045E+20	2,445698E+21
1805	5,344688E+21	8,536965E+21	1,086116E+22	1,086086E+22	8,536498E+21	5,344388E+21	2,445560E+21	6,169866E+20	4,282214E+19	4,281913E+19	6,169718E+20	2,445534E+21
1806	5,344268E+21	8,536186E+21	1,086035E+22	1,086068E+22	8,536743E+21	5,344683E+21	2,445807E+21	6,171461E+20	4,286437E+19	4,285917E+19	6,170533E+20	2,445559E+21
1807	5,344369E+21	8,536516E+21	1,086055E+22	1,086042E+22	8,536222E+21	5,344177E+21	2,445540E+21	6,170879E+20	4,287857E+19	4,289522E+19	6,172491E+20	2,445816E+21
1808	5,344435E+21	8,536224E+21	1,085988E+22	1,085967E+22	8,535922E+21	5,344303E+21	2,445815E+21	6,172924E+20	4,291665E+19	4,290501E+19	6,171675E+20	2,445552E+21
1809	5,343955E+21	8,535648E+21	1,085959E+22	1,085985E+22	8,536195E+21	5,344398E+21	2,445782E+21	6,172877E+20	4,293220E+19	4,293565E+19	6,173116E+20	2,445812E+21
1810	5,344365E+21	8,536068E+21	1,085968E+22	1,085946E+22	8,535600E+21	5,343965E+21	2,445595E+21	6,172282E+20	4,292951E+19	4,294271E+19	6,173690E+20	2,445879E+21
1811	5,344273E+21	8,535660E+21	1,085905E+22	1,085918E+22	8,535856E+21	5,344380E+21	2,445922E+21	6,173828E+20	4,294326E+19	4,292940E+19	6,172271E+20	2,445619E+21
1812	5,344069E+21	8,535800E+21	1,085962E+22	1,085974E+22	8,536063E+21	5,344258E+21	2,445682E+21	6,172410E+20	4,292708E+19	4,293359E+19	6,173319E+20	2,445889E+21
1813	5,344515E+21	8,536293E+21	1,085993E+22	1,085958E+22	8,535651E+21	5,344074E+21	2,445666E+21	6,172148E+20	4,290590E+19	4,290558E+19	6,172085E+20	2,445677E+21
1814	5,344161E+21	8,535782E+21	1,085960E+22	1,085996E+22	8,536319E+21	5,344528E+21	2,445877E+21	6,172740E+20	4,290304E+19	4,288485E+19	6,171014E+20	2,445519E+21
1815	5,344178E+21	8,536291E+21	1,086041E+22	1,086044E+22	8,536359E+21	5,344248E+21	2,445528E+21	6,170655E+20	4,286933E+19	4,288135E+19	6,171996E+20	2,445785E+21
1816	5,344471E+21	8,536410E+21	1,086035E+22	1,086020E+22	8,536226E+21	5,344370E+21	2,445669E+21	6,170979E+20	4,285054E+19	4,284084E+19	6,170018E+20	2,445493E+21
1817	5,344158E+21	8,536124E+21	1,086038E+22	1,086074E+22	8,536759E+21	5,344620E+21	2,445694E+21	6,170548E+20	4,283995E+19	4,283393E+19	6,170063E+20	2,445593E+21
1818	5,344554E+21	8,536845E+21	1,086101E+22	1,086086E+22	8,536434E+21	5,344189E+21	2,445396E+21	6,168974E+20	4,280820E+19	4,282553E+19	6,170475E+20	2,445686E+21
1819	5,344559E+21	8,53692E+21	1,086072E+22	1,086065E+22	8,536569E+21	5,344514E+21	2,445680E+21	6,170393E+20	4,282103E+19	4,280368E+19	6,168815E+20	2,445378E+21
1820	5,344202E+21	8,536532E+21	1,086107E+22	1,086122E+22	8,536889E+21	5,344521E+21	2,445552E+21	6,169738E+20	4,282378E+19	4,282912E+19	6,170216E+20	2,445641E+21
1821	5,344578E+21	8,536863E+21	1,086112E+22	1,086088E+22	8,536364E+21	5,344199E+21	2,445459E+21	6,169623E+20	4,282546E+19	4,283262E+19	6,170420E+20	2,445625E+21
1822	5,344340E+21	8,536192E+21	1,086016E+22	1,086046E+22	8,536616E+21	5,344601E+21	2,445798E+21	6,171663E+20	4,286818E+19	4,285424E+19	6,170222E+20	2,445480E+21
1823	5,344193E+21	8,536303E+21	1,086041E+22	1,086046E+22	8,536441E+21	5,344338E+21	2,445576E+21	6,170930E+20	4,287911E+19	4,289735E+19	6,172494E+20	2,445838E+21
1824	5,344503E+21	8,536328E+21	1,086001E+22	1,085968E+22	8,535776E+21	5,344167E+21	2,445704E+21	6,172325E+20	4,291121E+19	4,290860E+19	6,172130E+20	2,445653E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1825	5,344076E+21	8,535623E+21	1,085930E+22	1,085953E+22	8,536011E+21	5,344423E+21	2,445911E+21	6,173744E+20	4,294952E+19	4,294550E+19	6,172914E+20	2,445686E+21
1826	5,344150E+21	8,535858E+21	1,085947E+22	1,085937E+22	8,535581E+21	5,343940E+21	2,445628E+21	6,173026E+20	4,296001E+19	4,297793E+19	6,174808E+20	2,445949E+21
1827	5,344211E+21	8,535499E+21	1,085869E+22	1,085857E+22	8,535325E+21	5,344130E+21	2,445926E+21	6,175018E+20	4,299571E+19	4,298531E+19	6,173948E+20	2,445711E+21
1828	5,343815E+21	8,535027E+21	1,085849E+22	1,085880E+22	8,535623E+21	5,344259E+21	2,445924E+21	6,175031E+20	4,300952E+19	4,301090E+19	6,175128E+20	2,445931E+21
1829	5,344222E+21	8,535541E+21	1,085874E+22	1,085853E+22	8,535065E+21	5,343828E+21	2,445734E+21	6,174369E+20	4,300264E+19	4,301303E+19	6,175572E+20	2,446000E+21
1830	5,344156E+21	8,535166E+21	1,085808E+22	1,085818E+22	8,535277E+21	5,344219E+21	2,446045E+21	6,175874E+20	4,301645E+19	4,300023E+19	6,174118E+20	2,445699E+21
1831	5,343891E+21	8,535318E+21	1,085879E+22	1,085884E+22	8,535490E+21	5,344115E+21	2,445824E+21	6,174460E+20	4,300008E+19	4,300534E+19	6,175208E+20	2,445962E+21
1832	5,344272E+21	8,535676E+21	1,085902E+22	1,085877E+22	8,535181E+21	5,343907E+21	2,445769E+21	6,174097E+20	4,297752E+19	4,297708E+19	6,174014E+20	2,445768E+21
1833	5,343964E+21	8,535234E+21	1,085866E+22	1,085903E+22	8,535804E+21	5,344356E+21	2,445951E+21	6,174452E+20	4,296976E+19	4,295410E+19	6,172999E+20	2,445653E+21
1834	5,344038E+21	8,535741E+21	1,085945E+22	1,085949E+22	8,535824E+21	5,344083E+21	2,445607E+21	6,172278E+20	4,293139E+19	4,294650E+19	6,173858E+20	2,445912E+21
1835	5,344356E+21	8,535904E+21	1,085939E+22	1,085921E+22	8,535656E+21	5,344201E+21	2,445766E+21	6,172694E+20	4,291410E+19	4,290544E+19	6,171826E+20	2,445613E+21
1836	5,344062E+21	8,535696E+21	1,085955E+22	1,085986E+22	8,536214E+21	5,344451E+21	2,445811E+21	6,172483E+20	4,290832E+19	4,290003E+19	6,171761E+20	2,445661E+21
1837	5,344363E+21	8,536356E+21	1,086023E+22	1,086009E+22	8,535943E+21	5,344026E+21	2,445513E+21	6,171005E+20	4,288028E+19	4,289465E+19	6,172335E+20	2,445784E+21
1838	5,344353E+21	8,536066E+21	1,085969E+22	1,085968E+22	8,536046E+21	5,344351E+21	2,445791E+21	6,172507E+20	4,289978E+19	4,288183E+19	6,170949E+20	2,445492E+21
1839	5,343993E+21	8,535891E+21	1,085999E+22	1,086017E+22	8,536314E+21	5,344398E+21	2,445702E+21	6,171950E+20	4,290578E+19	4,291293E+19	6,172540E+20	2,445781E+21
1840	5,344380E+21	8,536167E+21	1,085995E+22	1,085978E+22	8,535756E+21	5,344029E+21	2,445599E+21	6,171901E+20	4,290948E+19	4,291806E+19	6,172776E+20	2,445768E+21
1841	5,344205E+21	8,535658E+21	1,085906E+22	1,085928E+22	8,535914E+21	5,344387E+21	2,445915E+21	6,173845E+20	4,294942E+19	4,293832E+19	6,172572E+20	2,445627E+21
1842	5,344044E+21	8,535749E+21	1,085937E+22	1,085935E+22	8,535753E+21	5,344115E+21	2,445688E+21	6,173105E+20	4,295909E+19	4,297839E+19	6,174715E+20	2,445951E+21
1843	5,344291E+21	8,535690E+21	1,085893E+22	1,085858E+22	8,535118E+21	5,343956E+21	2,445831E+21	6,174604E+20	4,299419E+19	4,299142E+19	6,174421E+20	2,445783E+21
1844	5,343871E+21	8,534961E+21	1,085823E+22	1,085852E+22	8,535434E+21	5,344237E+21	2,446045E+21	6,176115E+20	4,303489E+19	4,302852E+19	6,175147E+20	2,445807E+21
1845	5,343927E+21	8,535163E+21	1,085836E+22	1,085834E+22	8,535024E+21	5,343787E+21	2,445765E+21	6,175337E+20	4,304416E+19	4,306015E+19	6,177100E+20	2,446114E+21
1846	5,344063E+21	8,534827E+21	1,085746E+22	1,085736E+22	8,534674E+21	5,343962E+21	2,446063E+21	6,177276E+20	4,307882E+19	4,306814E+19	6,176208E+20	2,445858E+21
1847	5,343697E+21	8,534510E+21	1,085748E+22	1,085768E+22	8,534939E+21	5,344084E+21	2,446075E+21	6,177280E+20	4,309072E+19	4,309143E+19	6,177264E+20	2,446041E+21
1848	5,344045E+21	8,534989E+21	1,085779E+22	1,085756E+22	8,534466E+21	5,343632E+21	2,445858E+21	6,176552E+20	4,308126E+19	4,309026E+19	6,177553E+20	2,446073E+21
1849	5,343959E+21	8,534686E+21	1,085723E+22	1,085727E+22	8,534713E+21	5,344015E+21	2,446133E+21	6,177779E+20	4,308795E+19	4,307231E+19	6,176076E+20	2,445790E+21
1850	5,343668E+21	8,534727E+21	1,085790E+22	1,085800E+22	8,535021E+21	5,343948E+21	2,445901E+21	6,176204E+20	4,306605E+19	4,307231E+19	6,177048E+20	2,446055E+21
1851	5,344050E+21	8,535021E+21	1,085799E+22	1,085785E+22	8,534722E+21	5,343791E+21	2,445869E+21	6,175783E+20	4,304073E+19	4,304227E+19	6,175877E+20	2,445898E+21
1852	5,343837E+21	8,534683E+21	1,085771E+22	1,085812E+22	8,535315E+21	5,344231E+21	2,446069E+21	6,176226E+20	4,303316E+19	4,301640E+19	6,174681E+20	2,445757E+21
1853	5,343913E+21	8,535257E+21	1,085859E+22	1,085863E+22	8,535335E+21	5,343947E+21	2,445721E+21	6,174070E+20	4,299433E+19	4,300787E+19	6,175541E+20	2,446025E+21
1854	5,344240E+21	8,535428E+21	1,085848E+22	1,085824E+22	8,535082E+21	5,344030E+21	2,445873E+21	6,174581E+20	4,298245E+19	4,297243E+19	6,173630E+20	2,445708E+21
1855	5,343911E+21	8,535240E+21	1,085876E+22	1,085896E+22	8,535622E+21	5,344272E+21	2,445937E+21	6,174537E+20	4,298254E+19	4,297378E+19	6,173746E+20	2,445759E+21
1856	5,344148E+21	8,535745E+21	1,085929E+22	1,085922E+22	8,535449E+21	5,343852E+21	2,445621E+21	6,173104E+20	4,295841E+19	4,297295E+19	6,174465E+20	2,445903E+21
1857	5,344195E+21	8,535526E+21	1,085868E+22	1,085865E+22	8,535474E+21	5,344168E+21	2,445880E+21	6,174454E+20	4,297615E+19	4,296223E+19	6,173260E+20	2,445657E+21
1858	5,343869E+21	8,535316E+21	1,085894E+22	1,085909E+22	8,535707E+21	5,344215E+21	2,445807E+21	6,173942E+20	4,298063E+19	4,299096E+19	6,174715E+20	2,445919E+21
1859	5,344237E+21	8,535592E+21	1,085888E+22	1,085867E+22	8,535122E+21	5,343844E+21	2,445727E+21	6,174044E+20	4,298799E+19	4,299778E+19	6,174968E+20	2,445897E+21
1860	5,344046E+21	8,535095E+21	1,085809E+22	1,085824E+22	8,535276E+21	5,344194E+21	2,446064E+21	6,176223E+20	4,303291E+19	4,301916E+19	6,174666E+20	2,445711E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1861	5,343789E+21	8,535080E+21	1,085836E+22	1,085839E+22	8,535189E+21	5,343941E+21	2,445835E+21	6,175542E+20	4,304515E+19	4,306083E+19	6,176934E+20	2,446064E+21
1862	5,344028E+21	8,534917E+21	1,085768E+22	1,085741E+22	8,534495E+21	5,343776E+21	2,445968E+21	6,177057E+20	4,308423E+19	4,308001E+19	6,176838E+20	2,445921E+21
1863	5,343651E+21	8,534240E+21	1,085701E+22	1,085729E+22	8,534744E+21	5,344073E+21	2,446206E+21	6,178574E+20	4,312473E+19	4,311817E+19	6,177604E+20	2,445960E+21
1864	5,343741E+21	8,534458E+21	1,085715E+22	1,085717E+22	8,534376E+21	5,343603E+21	2,445906E+21	6,177704E+20	4,313067E+19	4,314635E+19	6,179412E+20	2,446252E+21
1865	5,343952E+21	8,534338E+21	1,085643E+22	1,085621E+22	8,533983E+21	5,343733E+21	2,446161E+21	6,179343E+20	4,315719E+19	4,314888E+19	6,178431E+20	2,445994E+21
1866	5,343563E+21	8,534014E+21	1,085658E+22	1,085671E+22	8,534328E+21	5,343870E+21	2,446169E+21	6,179245E+20	4,316335E+19	4,316434E+19	6,179216E+20	2,446132E+21
1867	5,343840E+21	8,534415E+21	1,085688E+22	1,085667E+22	8,533954E+21	5,343461E+21	2,445962E+21	6,178483E+20	4,315228E+19	4,316174E+19	6,179509E+20	2,446175E+21
1868	5,343753E+21	8,534074E+21	1,085634E+22	1,085646E+22	8,534271E+21	5,343881E+21	2,446242E+21	6,179694E+20	4,315763E+19	4,314063E+19	6,177928E+20	2,445891E+21
1869	5,343469E+21	8,534094E+21	1,085693E+22	1,085714E+22	8,534594E+21	5,343855E+21	2,446018E+21	6,178023E+20	4,313236E+19	4,313811E+19	6,178901E+20	2,446187E+21
1870	5,343917E+21	8,534432E+21	1,085691E+22	1,085677E+22	8,534150E+21	5,343654E+21	2,445985E+21	6,177620E+20	4,310748E+19	4,310949E+19	6,177739E+20	2,446025E+21
1871	5,343754E+21	8,534260E+21	1,085685E+22	1,085710E+22	8,534675E+21	5,344060E+21	2,446192E+21	6,178150E+20	4,310211E+19	4,308493E+19	6,176512E+20	2,445858E+21
1872	5,343777E+21	8,534784E+21	1,085776E+22	1,085775E+22	8,534776E+21	5,343751E+21	2,445826E+21	6,176037E+20	4,306506E+19	4,307751E+19	6,177345E+20	2,446103E+21
1873	5,344093E+21	8,535002E+21	1,085770E+22	1,085738E+22	8,534527E+21	5,343807E+21	2,445937E+21	6,176363E+20	4,305172E+19	4,304359E+19	6,175613E+20	2,445820E+21
1874	5,343734E+21	8,534693E+21	1,085789E+22	1,085813E+22	8,535138E+21	5,344090E+21	2,446006E+21	6,176312E+20	4,305085E+19	4,304416E+19	6,175697E+20	2,445870E+21
1875	5,343958E+21	8,535118E+21	1,085827E+22	1,085825E+22	8,534962E+21	5,343730E+21	2,445733E+21	6,174988E+20	4,302910E+19	4,304565E+19	6,176509E+20	2,446038E+21
1876	5,344055E+21	8,534948E+21	1,085772E+22	1,085769E+22	8,534944E+21	5,344035E+21	2,446019E+21	6,176546E+20	4,305061E+19	4,303580E+19	6,175231E+20	2,445768E+21
1877	5,343708E+21	8,534742E+21	1,085795E+22	1,085811E+22	8,535163E+21	5,344080E+21	2,445955E+21	6,176166E+20	4,305833E+19	4,306643E+19	6,176730E+20	2,446020E+21
1878	5,344027E+21	8,534944E+21	1,085777E+22	1,085752E+22	8,534468E+21	5,343676E+21	2,445881E+21	6,176464E+20	4,307353E+19	4,308084E+19	6,177185E+20	2,446005E+21
1879	5,343822E+21	8,534449E+21	1,085704E+22	1,085712E+22	8,534586E+21	5,343996E+21	2,446219E+21	6,178763E+20	4,312405E+19	4,310882E+19	6,177074E+20	2,445834E+21
1880	5,343533E+21	8,534293E+21	1,085714E+22	1,085725E+22	8,534565E+21	5,343743E+21	2,445968E+21	6,178057E+20	4,313805E+19	4,315292E+19	6,179430E+20	2,446214E+21
1881	5,343865E+21	8,534265E+21	1,085646E+22	1,085616E+22	8,533783E+21	5,343552E+21	2,446069E+21	6,179276E+20	4,317093E+19	4,317065E+19	6,179432E+20	2,446113E+21
1882	5,343548E+21	8,533655E+21	1,085589E+22	1,085611E+22	8,534034E+21	5,343832E+21	2,446301E+21	6,180690E+20	4,320503E+19	4,320107E+19	6,179904E+20	2,446110E+21
1883	5,343619E+21	8,533915E+21	1,085611E+22	1,085606E+22	8,533727E+21	5,343404E+21	2,446022E+21	6,179828E+20	4,320928E+19	4,322615E+19	6,181579E+20	2,446375E+21
1884	5,343798E+21	8,533812E+21	1,085558E+22	1,085532E+22	8,533416E+21	5,343551E+21	2,446283E+21	6,181482E+20	4,323387E+19	4,322385E+19	6,180380E+20	2,446072E+21
1885	5,343331E+21	8,533402E+21	1,085568E+22	1,085590E+22	8,533878E+21	5,343737E+21	2,446292E+21	6,181312E+20	4,323728E+19	4,323556E+19	6,181120E+20	2,446216E+21
1886	5,343583E+21	8,533702E+21	1,085577E+22	1,085567E+22	8,533462E+21	5,343355E+21	2,446089E+21	6,180510E+20	4,322587E+19	4,323451E+19	6,181488E+20	2,446287E+21
1887	5,343563E+21	8,533449E+21	1,085531E+22	1,085541E+22	8,533689E+21	5,343768E+21	2,446383E+21	6,181692E+20	4,322959E+19	4,321216E+19	6,179890E+20	2,446013E+21
1888	5,343318E+21	8,533493E+21	1,085589E+22	1,085613E+22	8,534036E+21	5,343709E+21	2,446141E+21	6,179968E+20	4,320185E+19	4,320666E+19	6,180709E+20	2,446293E+21
1889	5,343842E+21	8,534045E+21	1,085605E+22	1,085577E+22	8,533526E+21	5,343442E+21	2,446058E+21	6,179313E+20	4,317174E+19	4,317594E+19	6,179600E+20	2,446146E+21
1890	5,343664E+21	8,533872E+21	1,085612E+22	1,085627E+22	8,534102E+21	5,343829E+21	2,446253E+21	6,179824E+20	4,316480E+19	4,314827E+19	6,178238E+20	2,445947E+21
1891	5,343619E+21	8,534302E+21	1,085698E+22	1,085698E+22	8,534304E+21	5,343578E+21	2,445908E+21	6,177805E+20	4,313100E+19	4,314453E+19	6,179205E+20	2,446211E+21
1892	5,343922E+21	8,534451E+21	1,085690E+22	1,085665E+22	8,534101E+21	5,343669E+21	2,446032E+21	6,178219E+20	4,312120E+19	4,311261E+19	6,177499E+20	2,445929E+21
1893	5,343562E+21	8,534094E+21	1,085694E+22	1,085727E+22	8,534711E+21	5,344006E+21	2,446132E+21	6,178242E+20	4,312158E+19	4,311478E+19	6,177639E+20	2,445987E+21
1894	5,343792E+21	8,534498E+21	1,085716E+22	1,085715E+22	8,534376E+21	5,343609E+21	2,445877E+21	6,177138E+20	4,310636E+19	4,312219E+19	6,178554E+20	2,446150E+21
1895	5,343898E+21	8,534398E+21	1,085671E+22	1,085656E+22	8,534253E+21	5,343872E+21	2,446180E+21	6,178930E+20	4,313502E+19	4,311868E+19	6,177407E+20	2,445867E+21
1896	5,343486E+21	8,534071E+21	1,085686E+22	1,085704E+22	8,534532E+21	5,343896E+21	2,446104E+21	6,178639E+20	4,314636E+19	4,315244E+19	6,178963E+20	2,446116E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1897	5,343815E+21	8,534308E+21	1,085665E+22	1,085638E+22	8,533778E+21	5,343432E+21	2,445979E+21	6,178748E+20	4,316083E+19	4,317023E+19	6,179712E+20	2,446162E+21
1898	5,343625E+21	8,533750E+21	1,085588E+22	1,085599E+22	8,533914E+21	5,343752E+21	2,446305E+21	6,180936E+20	4,320777E+19	4,319561E+19	6,179527E+20	2,445999E+21
1899	5,343367E+21	8,533603E+21	1,085592E+22	1,085605E+22	8,533894E+21	5,343550E+21	2,446085E+21	6,180236E+20	4,322073E+19	4,323849E+19	6,181858E+20	2,446387E+21
1900	5,343746E+21	8,533669E+21	1,085542E+22	1,085509E+22	8,533134E+21	5,343354E+21	2,446191E+21	6,181470E+20	4,325164E+19	4,325189E+19	6,181629E+20	2,446245E+21
1901	5,343413E+21	8,533121E+21	1,085492E+22	1,085512E+22	8,533466E+21	5,343679E+21	2,446432E+21	6,182865E+20	4,328347E+19	4,327782E+19	6,181945E+20	2,446206E+21
1902	5,343411E+21	8,533312E+21	1,085509E+22	1,085500E+22	8,533126E+21	5,343262E+21	2,446174E+21	6,182142E+20	4,329111E+19	4,330504E+19	6,183638E+20	2,446464E+21
1903	5,343569E+21	8,533196E+21	1,085462E+22	1,085435E+22	8,532846E+21	5,343413E+21	2,446434E+21	6,183813E+20	4,331664E+19	4,330440E+19	6,182518E+20	2,446173E+21
1904	5,343086E+21	8,532664E+21	1,085455E+22	1,085492E+22	8,533383E+21	5,343615E+21	2,446426E+21	6,183510E+20	4,331716E+19	4,331375E+19	6,183202E+20	2,446333E+21
1905	5,343435E+21	8,533112E+21	1,085467E+22	1,085456E+22	8,532840E+21	5,343178E+21	2,446185E+21	6,182368E+20	4,329724E+19	4,330926E+19	6,183636E+20	2,446447E+21
1906	5,343482E+21	8,532966E+21	1,085437E+22	1,085439E+22	8,533038E+21	5,343534E+21	2,446454E+21	6,183393E+20	4,329393E+19	4,327861E+19	6,181745E+20	2,446136E+21
1907	5,343230E+21	8,533069E+21	1,085504E+22	1,085519E+22	8,533435E+21	5,343515E+21	2,446228E+21	6,181704E+20	4,326596E+19	4,327173E+19	6,182479E+20	2,446391E+21
1908	5,343709E+21	8,533620E+21	1,085539E+22	1,085508E+22	8,533038E+21	5,343262E+21	2,446143E+21	6,181075E+20	4,323623E+19	4,323886E+19	6,181261E+20	2,446217E+21
1909	5,343481E+21	8,533376E+21	1,085537E+22	1,085560E+22	8,533727E+21	5,343701E+21	2,446339E+21	6,181581E+20	4,323024E+19	4,321197E+19	6,179956E+20	2,446023E+21
1910	5,343392E+21	8,533662E+21	1,085597E+22	1,085607E+22	8,533862E+21	5,343502E+21	2,446035E+21	6,179739E+20	4,320128E+19	4,321374E+19	6,181067E+20	2,446314E+21
1911	5,343747E+21	8,533864E+21	1,085591E+22	1,085567E+22	8,533570E+21	5,343579E+21	2,446179E+21	6,180267E+20	4,319526E+19	4,318615E+19	6,179483E+20	2,446042E+21
1912	5,343398E+21	8,533470E+21	1,085585E+22	1,085624E+22	8,534156E+21	5,343877E+21	2,446277E+21	6,180400E+20	4,319825E+19	4,319050E+19	6,179603E+20	2,446083E+21
1913	5,343656E+21	8,533990E+21	1,085614E+22	1,085603E+22	8,533693E+21	5,343406E+21	2,445987E+21	6,179199E+20	4,318321E+19	4,320108E+19	6,180750E+20	2,446278E+21
1914	5,343741E+21	8,533858E+21	1,085576E+22	1,085554E+22	8,533555E+21	5,343609E+21	2,446271E+21	6,181028E+20	4,321320E+19	4,319839E+19	6,179619E+20	2,445990E+21
1915	5,343290E+21	8,533436E+21	1,085579E+22	1,085598E+22	8,533896E+21	5,343681E+21	2,446207E+21	6,180823E+20	4,322849E+19	4,323676E+19	6,181346E+20	2,446267E+21
1916	5,343628E+21	8,533638E+21	1,085559E+22	1,085538E+22	8,533184E+21	5,343241E+21	2,446084E+21	6,180939E+20	4,324428E+19	4,325489E+19	6,182095E+20	2,446324E+21
1917	5,343487E+21	8,533121E+21	1,085475E+22	1,085490E+22	8,533315E+21	5,343587E+21	2,446422E+21	6,183095E+20	4,328935E+19	4,327821E+19	6,181825E+20	2,446147E+21
1918	5,343221E+21	8,532985E+21	1,085475E+22	1,085484E+22	8,533205E+21	5,343385E+21	2,446239E+21	6,182623E+20	4,330645E+19	4,332268E+19	6,184093E+20	2,446511E+21
1919	5,343589E+21	8,533125E+21	1,085443E+22	1,085400E+22	8,532455E+21	5,343185E+21	2,446355E+21	6,183974E+20	4,334060E+19	4,333849E+19	6,183855E+20	2,446334E+21
1920	5,343169E+21	8,532449E+21	1,085387E+22	1,085413E+22	8,532897E+21	5,343525E+21	2,446590E+21	6,185364E+20	4,337199E+19	4,336276E+19	6,184098E+20	2,446282E+21
1921	5,343167E+21	8,532655E+21	1,085399E+22	1,085394E+22	8,532522E+21	5,343081E+21	2,446290E+21	6,184359E+20	4,337447E+19	4,338916E+19	6,185963E+20	2,446595E+21
1922	5,343353E+21	8,532505E+21	1,085350E+22	1,085330E+22	8,532244E+21	5,343220E+21	2,446533E+21	6,185794E+20	4,339145E+19	4,338141E+19	6,184690E+20	2,446317E+21
1923	5,342933E+21	8,532029E+21	1,085341E+22	1,085383E+22	8,532778E+21	5,343453E+21	2,446536E+21	6,185392E+20	4,338753E+19	4,338623E+19	6,185261E+20	2,446479E+21
1924	5,343325E+21	8,532601E+21	1,085376E+22	1,085364E+22	8,532255E+21	5,342988E+21	2,446279E+21	6,184167E+20	4,336325E+19	4,337545E+19	6,185449E+20	2,446562E+21
1925	5,343383E+21	8,532546E+21	1,085357E+22	1,085356E+22	8,532528E+21	5,343369E+21	2,446540E+21	6,185099E+20	4,335693E+19	4,334027E+19	6,183408E+20	2,446216E+21
1926	5,343064E+21	8,532593E+21	1,085422E+22	1,085434E+22	8,532909E+21	5,343366E+21	2,446343E+21	6,183608E+20	4,333387E+19	4,333713E+19	6,184198E+20	2,446470E+21
1927	5,343522E+21	8,533109E+21	1,085458E+22	1,085429E+22	8,532575E+21	5,343138E+21	2,446259E+21	6,183052E+20	4,330847E+19	4,330920E+19	6,183126E+20	2,446308E+21
1928	5,343275E+21	8,532749E+21	1,085438E+22	1,085475E+22	8,533313E+21	5,343618E+21	2,446464E+21	6,183532E+20	4,330261E+19	4,328358E+19	6,181850E+20	2,446131E+21
1929	5,343267E+21	8,533135E+21	1,085494E+22	1,085501E+22	8,533275E+21	5,343353E+21	2,446139E+21	6,181563E+20	4,327125E+19	4,328703E+19	6,183131E+20	2,446454E+21
1930	5,343647E+21	8,533382E+21	1,085497E+22	1,085467E+22	8,532918E+21	5,343353E+21	2,446268E+21	6,182105E+20	4,326422E+19	4,325773E+19	6,181470E+20	2,446162E+21
1931	5,343272E+21	8,532976E+21	1,085489E+22	1,085521E+22	8,533514E+21	5,343674E+21	2,446384E+21	6,182388E+20	4,327155E+19	4,326590E+19	6,181674E+20	2,446190E+21
1932	5,343454E+21	8,533422E+21	1,085528E+22	1,085517E+22	8,533105E+21	5,343192E+21	2,446089E+21	6,181282E+20	4,326006E+19	4,327772E+19	6,182847E+20	2,446384E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1933	5,343528E+21	8,533230E+21	1,085477E+22	1,085463E+22	8,533033E+21	5,343433E+21	2,446370E+21	6,183104E+20	4,329198E+19	4,327711E+19	6,181802E+20	2,446107E+21
1934	5,343059E+21	8,532722E+21	1,085459E+22	1,085483E+22	8,533272E+21	5,343541E+21	2,446355E+21	6,183137E+20	4,331275E+19	4,332009E+19	6,183624E+20	2,446409E+21
1935	5,343459E+21	8,533000E+21	1,085444E+22	1,085422E+22	8,532538E+21	5,343099E+21	2,446246E+21	6,183385E+20	4,333280E+19	4,334185E+19	6,184414E+20	2,446458E+21
1936	5,343318E+21	8,532482E+21	1,085359E+22	1,085377E+22	8,532698E+21	5,343438E+21	2,446582E+21	6,185561E+20	4,337786E+19	4,336464E+19	6,184051E+20	2,446259E+21
1937	5,343069E+21	8,532428E+21	1,085366E+22	1,085367E+22	8,532496E+21	5,343185E+21	2,446377E+21	6,184995E+20	4,339374E+19	4,341004E+19	6,186462E+20	2,446638E+21
1938	5,343393E+21	8,532524E+21	1,085343E+22	1,085300E+22	8,531791E+21	5,342940E+21	2,446471E+21	6,186257E+20	4,342471E+19	4,342361E+19	6,186186E+20	2,446460E+21
1939	5,342946E+21	8,531764E+21	1,085274E+22	1,085307E+22	8,532307E+21	5,343343E+21	2,446708E+21	6,187580E+20	4,345490E+19	4,344723E+19	6,186473E+20	2,446424E+21
1940	5,342943E+21	8,531952E+21	1,085292E+22	1,085296E+22	8,531962E+21	5,342922E+21	2,446403E+21	6,186411E+20	4,345188E+19	4,346770E+19	6,188169E+20	2,446746E+21
1941	5,343222E+21	8,531920E+21	1,085244E+22	1,085227E+22	8,531667E+21	5,343053E+21	2,446632E+21	6,187646E+20	4,346166E+19	4,345264E+19	6,186676E+20	2,446443E+21
1942	5,342804E+21	8,531500E+21	1,085237E+22	1,085271E+22	8,532118E+21	5,343281E+21	2,446665E+21	6,187398E+20	4,345884E+19	4,345543E+19	6,187092E+20	2,446582E+21
1943	5,343200E+21	8,532165E+21	1,085293E+22	1,085272E+22	8,531690E+21	5,342832E+21	2,446402E+21	6,186201E+20	4,343568E+19	4,344506E+19	6,187228E+20	2,446634E+21
1944	5,343189E+21	8,532023E+21	1,085273E+22	1,085278E+22	8,532074E+21	5,343224E+21	2,446650E+21	6,187066E+20	4,342858E+19	4,340890E+19	6,185150E+20	2,446288E+21
1945	5,342885E+21	8,532069E+21	1,085332E+22	1,085346E+22	8,532409E+21	5,343208E+21	2,446432E+21	6,185414E+20	4,340293E+19	4,340742E+19	6,186149E+20	2,446588E+21
1946	5,343357E+21	8,532554E+21	1,085367E+22	1,085344E+22	8,532068E+21	5,342966E+21	2,446343E+21	6,184720E+20	4,337268E+19	4,337637E+19	6,185020E+20	2,446431E+21
1947	5,343143E+21	8,532215E+21	1,085339E+22	1,085378E+22	8,532772E+21	5,343474E+21	2,446568E+21	6,185257E+20	4,336742E+19	4,335141E+19	6,183755E+20	2,446248E+21
1948	5,343118E+21	8,532640E+21	1,085410E+22	1,085415E+22	8,532733E+21	5,343188E+21	2,446242E+21	6,183350E+20	4,333673E+19	4,335322E+19	6,184915E+20	2,446547E+21
1949	5,343502E+21	8,532916E+21	1,085412E+22	1,085379E+22	8,532388E+21	5,343183E+21	2,446369E+21	6,183958E+20	4,333248E+19	4,332527E+19	6,183306E+20	2,446244E+21
1950	5,343060E+21	8,532400E+21	1,085392E+22	1,085423E+22	8,532918E+21	5,343504E+21	2,446523E+21	6,184600E+20	4,334953E+19	4,334160E+19	6,183710E+20	2,446297E+21
1951	5,343240E+21	8,532789E+21	1,085424E+22	1,085419E+22	8,532567E+21	5,343046E+21	2,446228E+21	6,183645E+20	4,334613E+19	4,336163E+19	6,185120E+20	2,446515E+21
1952	5,343317E+21	8,532515E+21	1,085358E+22	1,085355E+22	8,532482E+21	5,343298E+21	2,446512E+21	6,185442E+20	4,337941E+19	4,336403E+19	6,184141E+20	2,446260E+21
1953	5,342940E+21	8,532124E+21	1,085340E+22	1,085358E+22	8,532538E+21	5,343329E+21	2,446483E+21	6,185428E+20	4,339931E+19	4,340899E+19	6,186101E+20	2,446577E+21
1954	5,343342E+21	8,532452E+21	1,085337E+22	1,085307E+22	8,531800E+21	5,342839E+21	2,446363E+21	6,185666E+20	4,341809E+19	4,342912E+19	6,186786E+20	2,446594E+21
1955	5,343153E+21	8,531912E+21	1,085253E+22	1,085266E+22	8,532023E+21	5,343230E+21	2,446713E+21	6,187899E+20	4,346442E+19	4,345304E+19	6,186456E+20	2,446376E+21
1956	5,342819E+21	8,531773E+21	1,085269E+22	1,085273E+22	8,531897E+21	5,342982E+21	2,446501E+21	6,187317E+20	4,347953E+19	4,349522E+19	6,188762E+20	2,446752E+21
1957	5,343150E+21	8,531817E+21	1,085231E+22	1,085200E+22	8,531269E+21	5,342785E+21	2,446587E+21	6,188404E+20	4,350568E+19	4,350512E+19	6,188441E+20	2,446583E+21
1958	5,342713E+21	8,531026E+21	1,085149E+22	1,085188E+22	8,531683E+21	5,343207E+21	2,446859E+21	6,189795E+20	4,353480E+19	4,352618E+19	6,188648E+20	2,446567E+21
1959	5,342785E+21	8,531320E+21	1,085178E+22	1,085182E+22	8,531339E+21	5,342772E+21	2,446547E+21	6,188622E+20	4,353097E+19	4,354467E+19	6,190205E+20	2,446864E+21
1960	5,343071E+21	8,531358E+21	1,085140E+22	1,085123E+22	8,531089E+21	5,342897E+21	2,446760E+21	6,189709E+20	4,353593E+19	4,352451E+19	6,188520E+20	2,446544E+21
1961	5,342695E+21	8,531067E+21	1,085150E+22	1,085170E+22	8,531460E+21	5,343062E+21	2,446765E+21	6,189341E+20	4,353062E+19	4,352665E+19	6,189018E+20	2,446689E+21
1962	5,343050E+21	8,531702E+21	1,085216E+22	1,085193E+22	8,531147E+21	5,342602E+21	2,446482E+21	6,188025E+20	4,350380E+19	4,351415E+19	6,189114E+20	2,446739E+21
1963	5,343018E+21	8,531492E+21	1,085185E+22	1,085196E+22	8,531629E+21	5,343075E+21	2,446732E+21	6,188798E+20	4,349584E+19	4,347860E+19	6,187119E+20	2,446409E+21
1964	5,342706E+21	8,531513E+21	1,085247E+22	1,085267E+22	8,531962E+21	5,343080E+21	2,446525E+21	6,187081E+20	4,346668E+19	4,347296E+19	6,187966E+20	2,446707E+21
1965	5,343239E+21	8,532065E+21	1,085278E+22	1,085257E+22	8,531600E+21	5,342830E+21	2,446436E+21	6,186333E+20	4,343363E+19	4,343866E+19	6,186722E+20	2,446523E+21
1966	5,342993E+21	8,531723E+21	1,085246E+22	1,085277E+22	8,532184E+21	5,343327E+21	2,446702E+21	6,187202E+20	4,343537E+19	4,341760E+19	6,185499E+20	2,446333E+21
1967	5,342938E+21	8,532124E+21	1,085322E+22	1,085325E+22	8,532208E+21	5,343047E+21	2,446382E+21	6,185520E+20	4,341282E+19	4,342589E+19	6,186773E+20	2,446616E+21
1968	5,343257E+21	8,532288E+21	1,085315E+22	1,085290E+22	8,531907E+21	5,343039E+21	2,446498E+21	6,186161E+20	4,341264E+19	4,340257E+19	6,185339E+20	2,446351E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1969	5,342870E+21	8,531764E+21	1,085282E+22	1,085313E+22	8,532295E+21	5,343309E+21	2,446635E+21	6,186771E+20	4,343147E+19	4,342504E+19	6,186059E+20	2,446458E+21
1970	5,343087E+21	8,532159E+21	1,085314E+22	1,085310E+22	8,531917E+21	5,342828E+21	2,446337E+21	6,185752E+20	4,342640E+19	4,344501E+19	6,187483E+20	2,446686E+21
1971	5,343202E+21	8,531930E+21	1,085245E+22	1,085238E+22	8,531808E+21	5,343092E+21	2,446627E+21	6,187583E+20	4,346101E+19	4,344938E+19	6,186528E+20	2,446413E+21
1972	5,342786E+21	8,531574E+21	1,085243E+22	1,085254E+22	8,531892E+21	5,343122E+21	2,446603E+21	6,187621E+20	4,348062E+19	4,349107E+19	6,188311E+20	2,446698E+21
1973	5,343175E+21	8,531907E+21	1,085241E+22	1,085209E+22	8,531210E+21	5,342645E+21	2,446481E+21	6,187861E+20	4,349991E+19	4,351077E+19	6,188967E+20	2,446686E+21
1974	5,342895E+21	8,531233E+21	1,085143E+22	1,085156E+22	8,531394E+21	5,343060E+21	2,446873E+21	6,190365E+20	4,355177E+19	4,353830E+19	6,188749E+20	2,446496E+21
1975	5,342565E+21	8,531023E+21	1,085151E+22	1,085166E+22	8,531367E+21	5,342861E+21	2,446661E+21	6,189817E+20	4,356967E+19	4,358241E+19	6,191077E+20	2,446877E+21
1976	5,342922E+21	8,531063E+21	1,085105E+22	1,085084E+22	8,530695E+21	5,342659E+21	2,446740E+21	6,190742E+20	4,359115E+19	4,358934E+19	6,190699E+20	2,446735E+21
1977	5,342601E+21	8,530432E+21	1,085031E+22	1,085059E+22	8,530915E+21	5,342976E+21	2,446980E+21	6,191977E+20	4,361543E+19	4,360743E+19	6,190893E+20	2,446722E+21
1978	5,342685E+21	8,530830E+21	1,085082E+22	1,085074E+22	8,530624E+21	5,342506E+21	2,446645E+21	6,190653E+20	4,360621E+19	4,362092E+19	6,192255E+20	2,446982E+21
1979	5,342930E+21	8,530871E+21	1,085053E+22	1,085029E+22	8,530488E+21	5,342679E+21	2,446847E+21	6,191632E+20	4,360884E+19	4,359894E+19	6,190538E+20	2,446640E+21
1980	5,342482E+21	8,530544E+21	1,085076E+22	1,085096E+22	8,530983E+21	5,342874E+21	2,446846E+21	6,191173E+20	4,359999E+19	4,359558E+19	6,190873E+20	2,446785E+21
1981	5,342861E+21	8,531146E+21	1,085129E+22	1,085115E+22	8,530772E+21	5,342488E+21	2,446565E+21	6,189678E+20	4,356765E+19	4,357883E+19	6,190867E+20	2,446826E+21
1982	5,342820E+21	8,530895E+21	1,085088E+22	1,085100E+22	8,531152E+21	5,342987E+21	2,446866E+21	6,190623E+20	4,356086E+19	4,354274E+19	6,188868E+20	2,446518E+21
1983	5,342562E+21	8,530963E+21	1,085152E+22	1,085174E+22	8,531505E+21	5,342988E+21	2,446665E+21	6,189038E+20	4,353503E+19	4,353867E+19	6,189639E+20	2,446783E+21
1984	5,343064E+21	8,531526E+21	1,085185E+22	1,085166E+22	8,531119E+21	5,342721E+21	2,446569E+21	6,188288E+20	4,350276E+19	4,350545E+19	6,188451E+20	2,446614E+21
1985	5,342859E+21	8,531238E+21	1,085157E+22	1,085174E+22	8,531530E+21	5,343114E+21	2,446811E+21	6,189206E+20	4,350856E+19	4,349087E+19	6,187522E+20	2,446454E+21
1986	5,342778E+21	8,531576E+21	1,085233E+22	1,085233E+22	8,531607E+21	5,342809E+21	2,446474E+21	6,187535E+20	4,348807E+19	4,350307E+19	6,188938E+20	2,446756E+21
1987	5,343094E+21	8,531679E+21	1,085212E+22	1,085190E+22	8,531353E+21	5,342855E+21	2,446586E+21	6,188137E+20	4,349066E+19	4,348461E+19	6,187703E+20	2,446517E+21
1988	5,342723E+21	8,531190E+21	1,085185E+22	1,085212E+22	8,531686E+21	5,343103E+21	2,446726E+21	6,188745E+20	4,350822E+19	4,350486E+19	6,188295E+20	2,446619E+21
1989	5,342995E+21	8,531642E+21	1,085213E+22	1,085203E+22	8,531311E+21	5,342636E+21	2,446439E+21	6,187743E+20	4,350243E+19	4,352250E+19	6,189569E+20	2,446799E+21
1990	5,343041E+21	8,531384E+21	1,085144E+22	1,085127E+22	8,531145E+21	5,342912E+21	2,446775E+21	6,189894E+20	4,354332E+19	4,353062E+19	6,188666E+20	2,446516E+21
1991	5,342572E+21	8,530949E+21	1,085141E+22	1,085154E+22	8,531332E+21	5,342969E+21	2,446767E+21	6,190180E+20	4,357063E+19	4,357682E+19	6,190472E+20	2,446768E+21
1992	5,342871E+21	8,531149E+21	1,085128E+22	1,085106E+22	8,530700E+21	5,342524E+21	2,446646E+21	6,190402E+20	4,359111E+19	4,359869E+19	6,191270E+20	2,446803E+21
1993	5,342656E+21	8,530472E+21	1,085018E+22	1,085031E+22	8,530705E+21	5,342878E+21	2,447017E+21	6,192791E+20	4,364128E+19	4,362823E+19	6,191247E+20	2,446660E+21
1994	5,342383E+21	8,530300E+21	1,085028E+22	1,085043E+22	8,530651E+21	5,342641E+21	2,446791E+21	6,192087E+20	4,365386E+19	4,366820E+19	6,193451E+20	2,447037E+21
1995	5,342787E+21	8,530439E+21	1,084988E+22	1,084962E+22	8,530000E+21	5,342445E+21	2,446850E+21	6,192865E+20	4,367116E+19	4,367203E+19	6,192996E+20	2,446881E+21
1996	5,342461E+21	8,529929E+21	1,084941E+22	1,084958E+22	8,530250E+21	5,342734E+21	2,447069E+21	6,193965E+20	4,368979E+19	4,368177E+19	6,192906E+20	2,446841E+21
1997	5,342556E+21	8,530367E+21	1,085001E+22	1,084988E+22	8,530086E+21	5,342312E+21	2,446733E+21	6,192524E+20	4,367644E+19	4,369065E+19	6,194102E+20	2,447064E+21
1998	5,342723E+21	8,530313E+21	1,084967E+22	1,084944E+22	8,529997E+21	5,342533E+21	2,446964E+21	6,193616E+20	4,368050E+19	4,366921E+19	6,192442E+20	2,446746E+21
1999	5,342291E+21	8,529934E+21	1,084981E+22	1,085015E+22	8,530614E+21	5,342802E+21	2,446975E+21	6,193183E+20	4,367302E+19	4,366587E+19	6,192699E+20	2,446876E+21
2000	5,342675E+21	8,530538E+21	1,085029E+22	1,085025E+22	8,530360E+21	5,342431E+21	2,446702E+21	6,191568E+20	4,363620E+19	4,364631E+19	6,192647E+20	2,446941E+21
2001	5,342719E+21	8,530396E+21	1,084990E+22	1,084992E+22	8,530509E+21	5,342812E+21	2,446979E+21	6,192485E+20	4,362879E+19	4,361117E+19	6,190743E+20	2,446640E+21
2002	5,342457E+21	8,530498E+21	1,085066E+22	1,085081E+22	8,530883E+21	5,342774E+21	2,446763E+21	6,190887E+20	4,360257E+19	4,360755E+19	6,191485E+20	2,446878E+21
2003	5,342905E+21	8,531019E+21	1,085099E+22	1,085075E+22	8,530547E+21	5,342517E+21	2,446654E+21	6,190159E+20	4,357350E+19	4,357832E+19	6,190477E+20	2,446720E+21
2004	5,342657E+21	8,530698E+21	1,085076E+22	1,085092E+22	8,530992E+21	5,342898E+21	2,446881E+21	6,191045E+20	4,357945E+19	4,356311E+19	6,189542E+20	2,446585E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2005	5,342631E+21	8,531018E+21	1,085139E+22	1,085142E+22	8,531113E+21	5,342650E+21	2,446554E+21	6,189300E+20	4,355718E+19	4,357433E+19	6,190906E+20	2,446874E+21
2006	5,342932E+21	8,531081E+21	1,085108E+22	1,085084E+22	8,530756E+21	5,342705E+21	2,446713E+21	6,190155E+20	4,356466E+19	4,355897E+19	6,189737E+20	2,446647E+21
2007	5,342589E+21	8,530624E+21	1,085082E+22	1,085111E+22	8,531159E+21	5,342977E+21	2,446871E+21	6,190997E+20	4,358835E+19	4,358208E+19	6,190236E+20	2,446698E+21
2008	5,342795E+21	8,531056E+21	1,085112E+22	1,085102E+22	8,530779E+21	5,342524E+21	2,446600E+21	6,190113E+20	4,358645E+19	4,360281E+19	6,191615E+20	2,446891E+21
2009	5,342838E+21	8,530759E+21	1,085038E+22	1,085014E+22	8,530443E+21	5,342705E+21	2,446925E+21	6,192395E+20	4,363298E+19	4,361913E+19	6,191056E+20	2,446644E+21
2010	5,342343E+21	8,530227E+21	1,085028E+22	1,085047E+22	8,530691E+21	5,342755E+21	2,446904E+21	6,192658E+20	4,366164E+19	4,366849E+19	6,192984E+20	2,446912E+21
2011	5,342637E+21	8,530369E+21	1,085001E+22	1,084986E+22	8,530060E+21	5,342348E+21	2,446773E+21	6,192763E+20	4,368140E+19	4,369240E+19	6,193935E+20	2,446980E+21
2012	5,342477E+21	8,529801E+21	1,084904E+22	1,084910E+22	8,529973E+21	5,342644E+21	2,447123E+21	6,194972E+20	4,372485E+19	4,371452E+19	6,193674E+20	2,446838E+21
2013	5,342294E+21	8,529755E+21	1,084919E+22	1,084926E+22	8,529948E+21	5,342413E+21	2,446887E+21	6,194130E+20	4,373178E+19	4,374710E+19	6,195562E+20	2,447154E+21
2014	5,342634E+21	8,529905E+21	1,084889E+22	1,084854E+22	8,529323E+21	5,342238E+21	2,446973E+21	6,195034E+20	4,374969E+19	4,374964E+19	6,195049E+20	2,446987E+21
2015	5,342286E+21	8,529372E+21	1,084849E+22	1,084872E+22	8,529764E+21	5,342578E+21	2,447193E+21	6,196210E+20	4,377053E+19	4,375809E+19	6,194829E+20	2,446910E+21
2016	5,342313E+21	8,529731E+21	1,084904E+22	1,084903E+22	8,529691E+21	5,342235E+21	2,446871E+21	6,194658E+20	4,375378E+19	4,376495E+19	6,196048E+20	2,447172E+21
2017	5,342538E+21	8,529682E+21	1,084864E+22	1,084843E+22	8,529440E+21	5,342400E+21	2,447086E+21	6,195590E+20	4,375372E+19	4,374311E+19	6,194499E+20	2,446887E+21
2018	5,342162E+21	8,529356E+21	1,084881E+22	1,084916E+22	8,530031E+21	5,342640E+21	2,447091E+21	6,195035E+20	4,374130E+19	4,373572E+19	6,194594E+20	2,446989E+21
2019	5,342543E+21	8,530012E+21	1,084932E+22	1,084925E+22	8,529796E+21	5,342278E+21	2,446801E+21	6,193326E+20	4,370188E+19	4,371474E+19	6,194526E+20	2,447042E+21
2020	5,342574E+21	8,529974E+21	1,084916E+22	1,084905E+22	8,529900E+21	5,342594E+21	2,447050E+21	6,194159E+20	4,369203E+19	4,367514E+19	6,192497E+20	2,446740E+21
2021	5,342331E+21	8,530057E+21	1,084988E+22	1,084999E+22	8,530358E+21	5,342582E+21	2,446835E+21	6,192571E+20	4,366604E+19	4,367121E+19	6,193181E+20	2,446953E+21
2022	5,342707E+21	8,530462E+21	1,085012E+22	1,084991E+22	8,530060E+21	5,342368E+21	2,446755E+21	6,192035E+20	4,364265E+19	4,364709E+19	6,192393E+20	2,446843E+21
2023	5,342505E+21	8,530107E+21	1,084978E+22	1,085006E+22	8,530571E+21	5,342786E+21	2,446993E+21	6,193065E+20	4,365440E+19	4,363611E+19	6,191467E+20	2,446694E+21
2024	5,342474E+21	8,530435E+21	1,085036E+22	1,085044E+22	8,530618E+21	5,342561E+21	2,446700E+21	6,191399E+20	4,363286E+19	4,364847E+19	6,192872E+20	2,446999E+21
2025	5,342817E+21	8,530552E+21	1,085007E+22	1,084971E+22	8,530055E+21	5,342505E+21	2,446843E+21	6,192359E+20	4,364518E+19	4,363937E+19	6,191896E+20	2,446770E+21
2026	5,342436E+21	8,530072E+21	1,084985E+22	1,085008E+22	8,530485E+21	5,342766E+21	2,447004E+21	6,193297E+20	4,367232E+19	4,366664E+19	6,192450E+20	2,446789E+21
2027	5,342549E+21	8,530387E+21	1,085005E+22	1,084997E+22	8,530173E+21	5,342347E+21	2,446731E+21	6,192489E+20	4,367516E+19	4,369279E+19	6,194062E+20	2,447005E+21
2028	5,342567E+21	8,530054E+21	1,084931E+22	1,084908E+22	8,529808E+21	5,342495E+21	2,447035E+21	6,194682E+20	4,372000E+19	4,370785E+19	6,193545E+20	2,446806E+21
2029	5,342165E+21	8,529517E+21	1,084906E+22	1,084931E+22	8,530064E+21	5,342582E+21	2,447017E+21	6,194817E+20	4,374417E+19	4,375284E+19	6,195313E+20	2,447057E+21
2030	5,342460E+21	8,529676E+21	1,084878E+22	1,084863E+22	8,529352E+21	5,342162E+21	2,446914E+21	6,195036E+20	4,376433E+19	4,377597E+19	6,196257E+20	2,447142E+21
2031	5,342357E+21	8,529200E+21	1,084791E+22	1,084800E+22	8,529354E+21	5,342460E+21	2,447253E+21	6,197286E+20	4,380859E+19	4,379546E+19	6,195759E+20	2,446942E+21
2032	5,342126E+21	8,529207E+21	1,084820E+22	1,084823E+22	8,529355E+21	5,342269E+21	2,447036E+21	6,196428E+20	4,381392E+19	4,382559E+19	6,197602E+20	2,447262E+21
2033	5,342462E+21	8,529341E+21	1,084793E+22	1,084752E+22	8,528661E+21	5,342028E+21	2,447100E+21	6,197310E+20	4,383260E+19	4,383130E+19	6,197246E+20	2,447111E+21
2034	5,342103E+21	8,528770E+21	1,084753E+22	1,084782E+22	8,529229E+21	5,342408E+21	2,447308E+21	6,198331E+20	4,385031E+19	4,383835E+19	6,196998E+20	2,447031E+21
2035	5,342123E+21	8,529092E+21	1,084798E+22	1,084804E+22	8,529181E+21	5,342121E+21	2,446985E+21	6,196629E+20	4,382940E+19	4,384321E+19	6,198215E+20	2,447302E+21
2036	5,342384E+21	8,529150E+21	1,084771E+22	1,084745E+22	8,528832E+21	5,342215E+21	2,447175E+21	6,197336E+20	4,382034E+19	4,381192E+19	6,196420E+20	2,447022E+21
2037	5,342083E+21	8,528916E+21	1,084792E+22	1,084823E+22	8,529459E+21	5,342455E+21	2,447168E+21	6,196653E+20	4,380249E+19	4,379761E+19	6,196209E+20	2,447055E+21
2038	5,342366E+21	8,529523E+21	1,084849E+22	1,084837E+22	8,529224E+21	5,342100E+21	2,446906E+21	6,195126E+20	4,376624E+19	4,377833E+19	6,196218E+20	2,447118E+21
2039	5,342386E+21	8,529438E+21	1,084833E+22	1,084832E+22	8,529478E+21	5,342447E+21	2,447151E+21	6,196086E+20	4,376188E+19	4,374111E+19	6,194179E+20	2,446801E+21
2040	5,342108E+21	8,529477E+21	1,084897E+22	1,084917E+22	8,529955E+21	5,342504E+21	2,446962E+21	6,194528E+20	4,373712E+19	4,373987E+19	6,195017E+20	2,447065E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2041	5,342544E+21	8,529862E+21	1,084909E+22	1,084889E+22	8,529481E+21	5,342219E+21	2,446873E+21	6,194017E+20	4,371654E+19	4,372118E+19	6,194458E+20	2,446988E+21
2042	5,342398E+21	8,529564E+21	1,084877E+22	1,084906E+22	8,529970E+21	5,342613E+21	2,447108E+21	6,195045E+20	4,372894E+19	4,371239E+19	6,193522E+20	2,446813E+21
2043	5,342333E+21	8,529891E+21	1,084934E+22	1,084939E+22	8,530017E+21	5,342406E+21	2,446820E+21	6,193468E+20	4,371024E+19	4,372795E+19	6,195017E+20	2,447104E+21
2044	5,342636E+21	8,530053E+21	1,084920E+22	1,084874E+22	8,529391E+21	5,342280E+21	2,446944E+21	6,194431E+20	4,372346E+19	4,371914E+19	6,194099E+20	2,446897E+21
2045	5,342269E+21	8,529503E+21	1,084887E+22	1,084910E+22	8,529887E+21	5,342565E+21	2,447108E+21	6,195415E+20	4,375206E+19	4,374760E+19	6,194638E+20	2,446891E+21
2046	5,342295E+21	8,529667E+21	1,084892E+22	1,084892E+22	8,529584E+21	5,342188E+21	2,446867E+21	6,194793E+20	4,376052E+19	4,377891E+19	6,196477E+20	2,447162E+21
2047	5,342386E+21	8,529330E+21	1,084808E+22	1,084799E+22	8,529242E+21	5,342348E+21	2,447174E+21	6,197053E+20	4,380809E+19	4,379494E+19	6,195885E+20	2,446951E+21
2048	5,342011E+21	8,528876E+21	1,084784E+22	1,084809E+22	8,529405E+21	5,342442E+21	2,447178E+21	6,197198E+20	4,383017E+19	4,383708E+19	6,197580E+20	2,447209E+21
2049	5,342339E+21	8,529102E+21	1,084765E+22	1,084738E+22	8,528558E+21	5,341919E+21	2,447049E+21	6,197443E+20	4,385209E+19	4,386268E+19	6,198581E+20	2,447281E+21
2050	5,342216E+21	8,528661E+21	1,084691E+22	1,084693E+22	8,528641E+21	5,342216E+21	2,447374E+21	6,199625E+20	4,389568E+19	4,388216E+19	6,198025E+20	2,447042E+21
2051	5,341896E+21	8,528569E+21	1,084717E+22	1,084725E+22	8,528778E+21	5,342098E+21	2,447163E+21	6,198743E+20	4,390048E+19	4,391217E+19	6,199926E+20	2,447367E+21
2052	5,342217E+21	8,528719E+21	1,084698E+22	1,084660E+22	8,528104E+21	5,341843E+21	2,447194E+21	6,199329E+20	4,391074E+19	4,391133E+19	6,199469E+20	2,447252E+21
2053	5,341943E+21	8,528164E+21	1,084648E+22	1,084683E+22	8,528696E+21	5,342266E+21	2,447407E+21	6,200140E+20	4,391965E+19	4,390885E+19	6,198892E+20	2,447129E+21
2054	5,341936E+21	8,528494E+21	1,084695E+22	1,084704E+22	8,528628E+21	5,341994E+21	2,447113E+21	6,198482E+20	4,389601E+19	4,390979E+19	6,200006E+20	2,447406E+21
2055	5,342245E+21	8,528623E+21	1,084677E+22	1,084658E+22	8,528355E+21	5,342077E+21	2,447289E+21	6,199208E+20	4,388702E+19	4,387524E+19	6,198014E+20	2,447084E+21
2056	5,341910E+21	8,528435E+21	1,084707E+22	1,084736E+22	8,528964E+21	5,342341E+21	2,447301E+21	6,198565E+20	4,386934E+19	4,386069E+19	6,197862E+20	2,447141E+21
2057	5,342185E+21	8,528985E+21	1,084761E+22	1,084749E+22	8,528657E+21	5,341908E+21	2,447013E+21	6,197096E+20	4,383755E+19	4,384828E+19	6,198149E+20	2,447239E+21
2058	5,342232E+21	8,528893E+21	1,084742E+22	1,084747E+22	8,528970E+21	5,342279E+21	2,447241E+21	6,197941E+20	4,383425E+19	4,381505E+19	6,196229E+20	2,446932E+21
2059	5,341963E+21	8,528912E+21	1,084797E+22	1,084820E+22	8,529429E+21	5,342376E+21	2,447070E+21	6,196403E+20	4,380969E+19	4,381585E+19	6,197142E+20	2,447202E+21
2060	5,342433E+21	8,529419E+21	1,084821E+22	1,084792E+22	8,528853E+21	5,342009E+21	2,446953E+21	6,195773E+20	4,378544E+19	4,379316E+19	6,196475E+20	2,447130E+21
2061	5,342328E+21	8,529156E+21	1,084790E+22	1,084811E+22	8,529372E+21	5,342413E+21	2,447191E+21	6,196833E+20	4,379734E+19	4,378253E+19	6,195360E+20	2,446887E+21
2062	5,342131E+21	8,529352E+21	1,084844E+22	1,084847E+22	8,529439E+21	5,342236E+21	2,446948E+21	6,195561E+20	4,378605E+19	4,380344E+19	6,197028E+20	2,447195E+21
2063	5,342406E+21	8,529396E+21	1,084818E+22	1,084789E+22	8,528930E+21	5,342131E+21	2,447077E+21	6,196720E+20	4,380692E+19	4,379973E+19	6,196211E+20	2,446991E+21
2064	5,342020E+21	8,528804E+21	1,084772E+22	1,084806E+22	8,529371E+21	5,342472E+21	2,447271E+21	6,197766E+20	4,383692E+19	4,383087E+19	6,196920E+20	2,447038E+21
2065	5,342091E+21	8,528930E+21	1,084765E+22	1,084767E+22	8,528861E+21	5,342002E+21	2,447023E+21	6,197233E+20	4,384928E+19	4,386712E+19	6,198924E+20	2,447332E+21
2066	5,342252E+21	8,528699E+21	1,084689E+22	1,084677E+22	8,528504E+21	5,342130E+21	2,447309E+21	6,199406E+20	4,389633E+19	4,388410E+19	6,198272E+20	2,447090E+21
2067	5,341853E+21	8,528286E+21	1,084672E+22	1,084689E+22	8,528681E+21	5,342229E+21	2,447312E+21	6,199587E+20	4,391896E+19	4,392613E+19	6,199949E+20	2,447323E+21
2068	5,342147E+21	8,528573E+21	1,084670E+22	1,084632E+22	8,527841E+21	5,341658E+21	2,447151E+21	6,199693E+20	4,393736E+19	4,394838E+19	6,200909E+20	2,447416E+21
2069	5,342046E+21	8,528093E+21	1,084594E+22	1,084599E+22	8,528073E+21	5,342008E+21	2,447466E+21	6,201722E+20	4,397610E+19	4,396329E+19	6,200196E+20	2,447147E+21
2070	5,341651E+21	8,527877E+21	1,084610E+22	1,084628E+22	8,528256E+21	5,341964E+21	2,447296E+21	6,200901E+20	4,398089E+19	4,399281E+19	6,202148E+20	2,447507E+21
2071	5,342038E+21	8,528036E+21	1,084585E+22	1,084565E+22	8,527642E+21	5,341734E+21	2,447330E+21	6,201416E+20	4,398752E+19	4,398703E+19	6,201467E+20	2,447365E+21
2072	5,341791E+21	8,527610E+21	1,084543E+22	1,084578E+22	8,528147E+21	5,342162E+21	2,447555E+21	6,202146E+20	4,399103E+19	4,397823E+19	6,200741E+20	2,447238E+21
2073	5,341777E+21	8,527949E+21	1,084596E+22	1,084597E+22	8,527961E+21	5,341794E+21	2,447236E+21	6,200513E+20	4,396845E+19	4,398056E+19	6,201871E+20	2,447503E+21
2074	5,342086E+21	8,528122E+21	1,084590E+22	1,084568E+22	8,527766E+21	5,341872E+21	2,447387E+21	6,201127E+20	4,395897E+19	4,394702E+19	6,199912E+20	2,447170E+21
2075	5,341707E+21	8,527872E+21	1,084615E+22	1,084647E+22	8,528449E+21	5,342176E+21	2,447400E+21	6,200487E+20	4,394191E+19	4,393404E+19	6,199874E+20	2,447249E+21
2076	5,342009E+21	8,528477E+21	1,084675E+22	1,084662E+22	8,528129E+21	5,341722E+21	2,447082E+21	6,198778E+20	4,390422E+19	4,391795E+19	6,200159E+20	2,447397E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2077	5,342156E+21	8,528431E+21	1,084653E+22	1,084657E+22	8,528452E+21	5,342108E+21	2,447306E+21	6,199482E+20	4,389574E+19	4,387952E+19	6,198009E+20	2,447043E+21
2078	5,341839E+21	8,528431E+21	1,084708E+22	1,084729E+22	8,528897E+21	5,342228E+21	2,447180E+21	6,198157E+20	4,387401E+19	4,388136E+19	6,198913E+20	2,447307E+21
2079	5,342306E+21	8,528939E+21	1,084736E+22	1,084712E+22	8,528402E+21	5,341869E+21	2,447069E+21	6,197691E+20	4,385510E+19	4,386030E+19	6,198170E+20	2,447193E+21
2080	5,342134E+21	8,528660E+21	1,084704E+22	1,084722E+22	8,528871E+21	5,342303E+21	2,447345E+21	6,198970E+20	4,387233E+19	4,385459E+19	6,197259E+20	2,446975E+21
2081	5,341880E+21	8,528682E+21	1,084741E+22	1,084748E+22	8,528860E+21	5,342063E+21	2,447094E+21	6,197928E+20	4,387066E+19	4,388587E+19	6,199258E+20	2,447322E+21
2082	5,342195E+21	8,528705E+21	1,084704E+22	1,084682E+22	8,528338E+21	5,341965E+21	2,447212E+21	6,199067E+20	4,389589E+19	4,388945E+19	6,198677E+20	2,447145E+21
2083	5,341833E+21	8,528099E+21	1,084646E+22	1,084680E+22	8,528686E+21	5,342302E+21	2,447422E+21	6,200167E+20	4,392647E+19	4,392239E+19	6,199443E+20	2,447200E+21
2084	5,341956E+21	8,528374E+21	1,084655E+22	1,084644E+22	8,528076E+21	5,341731E+21	2,447125E+21	6,199452E+20	4,393451E+19	4,395455E+19	6,201350E+20	2,447500E+21
2085	5,342151E+21	8,528192E+21	1,084587E+22	1,084563E+22	8,527769E+21	5,341857E+21	2,447392E+21	6,201519E+20	4,397813E+19	4,396758E+19	6,200467E+20	2,447189E+21
2086	5,341633E+21	8,527679E+21	1,084572E+22	1,084587E+22	8,528044E+21	5,342016E+21	2,447439E+21	6,201893E+20	4,400403E+19	4,401059E+19	6,202204E+20	2,447435E+21
2087	5,341911E+21	8,527878E+21	1,084564E+22	1,084544E+22	8,527390E+21	5,341511E+21	2,447282E+21	6,202028E+20	4,402395E+19	4,403238E+19	6,203089E+20	2,447516E+21
2088	5,341803E+21	8,527406E+21	1,084483E+22	1,084497E+22	8,527591E+21	5,341936E+21	2,447629E+21	6,203977E+20	4,405770E+19	4,404348E+19	6,202385E+20	2,447284E+21
2089	5,341441E+21	8,527156E+21	1,084491E+22	1,084513E+22	8,527625E+21	5,341817E+21	2,447454E+21	6,203167E+20	4,406167E+19	4,407197E+19	6,204280E+20	2,447643E+21
2090	5,341895E+21	8,527446E+21	1,084477E+22	1,084454E+22	8,527015E+21	5,341565E+21	2,447461E+21	6,203484E+20	4,406365E+19	4,406372E+19	6,203504E+20	2,447475E+21
2091	5,341629E+21	8,527072E+21	1,084444E+22	1,084470E+22	8,527511E+21	5,341985E+21	2,447677E+21	6,204164E+20	4,406465E+19	4,405174E+19	6,202708E+20	2,447334E+21
2092	5,341613E+21	8,527495E+21	1,084514E+22	1,084504E+22	8,527326E+21	5,341547E+21	2,447309E+21	6,202313E+20	4,403691E+19	4,405017E+19	6,203809E+20	2,447631E+21
2093	5,341961E+21	8,527655E+21	1,084510E+22	1,084487E+22	8,527267E+21	5,341659E+21	2,447433E+21	6,202730E+20	4,402292E+19	4,401291E+19	6,201729E+20	2,447278E+21
2094	5,341547E+21	8,527340E+21	1,084529E+22	1,084564E+22	8,527987E+21	5,342032E+21	2,447490E+21	6,202193E+20	4,400725E+19	4,400098E+19	6,201764E+20	2,447389E+21
2095	5,341909E+21	8,527955E+21	1,084585E+22	1,084582E+22	8,527729E+21	5,341610E+21	2,447189E+21	6,200530E+20	4,396947E+19	4,398232E+19	6,201844E+20	2,447497E+21
2096	5,342053E+21	8,528021E+21	1,084571E+22	1,084568E+22	8,527972E+21	5,342003E+21	2,447436E+21	6,201304E+20	4,396097E+19	4,394319E+19	6,199686E+20	2,447134E+21
2097	5,341670E+21	8,527919E+21	1,084620E+22	1,084634E+22	8,528305E+21	5,342053E+21	2,447317E+21	6,200267E+20	4,394784E+19	4,395234E+19	6,200713E+20	2,447376E+21
2098	5,342090E+21	8,528372E+21	1,084646E+22	1,084623E+22	8,527876E+21	5,341711E+21	2,447200E+21	6,199872E+20	4,393537E+19	4,393943E+19	6,200232E+20	2,447272E+21
2099	5,341864E+21	8,527974E+21	1,084598E+22	1,084620E+22	8,528329E+21	5,342159E+21	2,447484E+21	6,201271E+20	4,395754E+19	4,394020E+19	6,199578E+20	2,447096E+21
2100	5,341653E+21	8,528003E+21	1,084627E+22	1,084635E+22	8,528215E+21	5,341862E+21	2,447202E+21	6,200077E+20	4,395340E+19	4,397111E+19	6,201672E+20	2,447501E+21
2101	5,342073E+21	8,528086E+21	1,084589E+22	1,084565E+22	8,527670E+21	5,341742E+21	2,447301E+21	6,201081E+20	4,397451E+19	4,397116E+19	6,200937E+20	2,447292E+21
2102	5,341691E+21	8,527505E+21	1,084536E+22	1,084563E+22	8,527979E+21	5,342072E+21	2,447539E+21	6,202352E+20	4,400770E+19	4,400505E+19	6,201706E+20	2,447345E+21
2103	5,341815E+21	8,527787E+21	1,084552E+22	1,084542E+22	8,527477E+21	5,341533E+21	2,447252E+21	6,201744E+20	4,401894E+19	4,403667E+19	6,203478E+20	2,447603E+21
2104	5,341957E+21	8,527634E+21	1,084491E+22	1,084463E+22	8,527185E+21	5,341697E+21	2,447541E+21	6,203868E+20	4,406329E+19	4,405128E+19	6,202716E+20	2,447308E+21
2105	5,341382E+21	8,526957E+21	1,084460E+22	1,084482E+22	8,527445E+21	5,341838E+21	2,447589E+21	6,204401E+20	4,409489E+19	4,409928E+19	6,204582E+20	2,447571E+21
2106	5,341703E+21	8,527170E+21	1,084446E+22	1,084433E+22	8,526835E+21	5,341388E+21	2,447432E+21	6,204395E+20	4,411342E+19	4,412294E+19	6,205532E+20	2,447661E+21
2107	5,341616E+21	8,526724E+21	1,084362E+22	1,084374E+22	8,526944E+21	5,341796E+21	2,447785E+21	6,206272E+20	4,414208E+19	4,412903E+19	6,204705E+20	2,447424E+21
2108	5,341307E+21	8,526621E+21	1,084387E+22	1,084397E+22	8,526899E+21	5,341575E+21	2,447554E+21	6,205188E+20	4,413770E+19	4,414911E+19	6,206377E+20	2,447779E+21
2109	5,341785E+21	8,526975E+21	1,084386E+22	1,084354E+22	8,526366E+21	5,341314E+21	2,447526E+21	6,205279E+20	4,413220E+19	4,413369E+19	6,205356E+20	2,447560E+21
2110	5,341435E+21	8,526535E+21	1,084359E+22	1,084382E+22	8,526947E+21	5,341775E+21	2,447767E+21	6,206033E+20	4,413391E+19	4,412069E+19	6,204599E+20	2,447441E+21
2111	5,341433E+21	8,526909E+21	1,084428E+22	1,084431E+22	8,526941E+21	5,341416E+21	2,447403E+21	6,204146E+20	4,410540E+19	4,411679E+19	6,205567E+20	2,447728E+21
2112	5,341801E+21	8,527137E+21	1,084424E+22	1,084404E+22	8,526851E+21	5,341584E+21	2,447554E+21	6,204481E+20	4,408751E+19	4,407677E+19	6,203488E+20	2,447395E+21

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2113	5,341399E+21	8,526786E+21	1,084435E+22	1,084472E+22	8,527471E+21	5,341901E+21	2,447618E+21	6,204111E+20	4,407531E+19	4,406673E+19	6,203478E+20	2,447490E+21
2114	5,341794E+21	8,527488E+21	1,084497E+22	1,084491E+22	8,527236E+21	5,341489E+21	2,447309E+21	6,202437E+20	4,403942E+19	4,405137E+19	6,203597E+20	2,447567E+21
2115	5,341868E+21	8,527508E+21	1,084483E+22	1,084473E+22	8,527423E+21	5,341868E+21	2,447572E+21	6,203354E+20	4,403466E+19	4,401577E+19	6,201579E+20	2,447212E+21
2116	5,341472E+21	8,527390E+21	1,084533E+22	1,084543E+22	8,527720E+21	5,341837E+21	2,447410E+21	6,202242E+20	4,402193E+19	4,402744E+19	6,202769E+20	2,447496E+21
2117	5,341906E+21	8,527773E+21	1,084549E+22	1,084529E+22	8,527336E+21	5,341507E+21	2,447270E+21	6,201760E+20	4,400952E+19	4,401653E+19	6,202390E+20	2,447404E+21
2118	5,341676E+21	8,527313E+21	1,084489E+22	1,084513E+22	8,527729E+21	5,341987E+21	2,447595E+21	6,203303E+20	4,403529E+19	4,402133E+19	6,201902E+20	2,447273E+21
2119	5,341545E+21	8,527380E+21	1,084516E+22	1,084528E+22	8,527627E+21	5,341690E+21	2,447322E+21	6,202190E+20	4,403259E+19	4,405055E+19	6,203805E+20	2,447640E+21
2120	5,341968E+21	8,527588E+21	1,084489E+22	1,084454E+22	8,527015E+21	5,341558E+21	2,447430E+21	6,203248E+20	4,405440E+19	4,405080E+19	6,203075E+20	2,447414E+21
2121	5,341511E+21	8,526909E+21	1,084433E+22	1,084454E+22	8,527280E+21	5,341839E+21	2,447673E+21	6,204797E+20	4,409559E+19	4,409023E+19	6,203904E+20	2,447447E+21
2122	5,341599E+21	8,527151E+21	1,084447E+22	1,084439E+22	8,526894E+21	5,341364E+21	2,447396E+21	6,204244E+20	4,411182E+19	4,412813E+19	6,205860E+20	2,447705E+21
2123	5,341683E+21	8,526890E+21	1,084376E+22	1,084353E+22	8,526609E+21	5,341564E+21	2,447703E+21	6,206394E+20	4,415634E+19	4,414459E+19	6,205229E+20	2,447447E+21
2124	5,341171E+21	8,526258E+21	1,084341E+22	1,084364E+22	8,526784E+21	5,341649E+21	2,447717E+21	6,206684E+20	4,418120E+19	4,418717E+19	6,207012E+20	2,447737E+21
2125	5,341562E+21	8,526544E+21	1,084332E+22	1,084318E+22	8,526177E+21	5,341184E+21	2,447534E+21	6,206435E+20	4,419098E+19	4,420308E+19	6,207705E+20	2,447789E+21
2126	5,341456E+21	8,526138E+21	1,084257E+22	1,084262E+22	8,526269E+21	5,341592E+21	2,447898E+21	6,208306E+20	4,421701E+19	4,420480E+19	6,206774E+20	2,447550E+21
2127	5,341159E+21	8,526049E+21	1,084292E+22	1,084304E+22	8,526339E+21	5,341395E+21	2,447666E+21	6,207211E+20	4,421132E+19	4,421971E+19	6,208183E+20	2,447861E+21
2128	5,341608E+21	8,526466E+21	1,084303E+22	1,084270E+22	8,525861E+21	5,341161E+21	2,447639E+21	6,207235E+20	4,420322E+19	4,420288E+19	6,207233E+20	2,447665E+21
2129	5,341232E+21	8,525917E+21	1,084264E+22	1,084294E+22	8,526435E+21	5,341604E+21	2,447876E+21	6,208100E+20	4,420936E+19	4,419323E+19	6,206545E+20	2,447566E+21
2130	5,341293E+21	8,526344E+21	1,084330E+22	1,084337E+22	8,526482E+21	5,341330E+21	2,447530E+21	6,206116E+20	4,417969E+19	4,419129E+19	6,207555E+20	2,447847E+21
2131	5,341667E+21	8,526615E+21	1,084330E+22	1,084306E+22	8,526309E+21	5,341466E+21	2,447681E+21	6,206397E+20	4,415851E+19	4,414850E+19	6,205393E+20	2,447504E+21
2132	5,341297E+21	8,526366E+21	1,084349E+22	1,084375E+22	8,526846E+21	5,341688E+21	2,447699E+21	6,205875E+20	4,414248E+19	4,413514E+19	6,205281E+20	2,447586E+21
2133	5,341661E+21	8,527043E+21	1,084418E+22	1,084405E+22	8,526691E+21	5,341285E+21	2,447373E+21	6,204115E+20	4,410413E+19	4,411812E+19	6,205344E+20	2,447632E+21
2134	5,341647E+21	8,526936E+21	1,084397E+22	1,084388E+22	8,526897E+21	5,341688E+21	2,447663E+21	6,205219E+20	4,410492E+19	4,408743E+19	6,203583E+20	2,447329E+21
2135	5,341273E+21	8,526716E+21	1,084433E+22	1,084459E+22	8,527277E+21	5,341711E+21	2,447518E+21	6,204193E+20	4,409496E+19	4,410029E+19	6,204740E+20	2,447614E+21
2136	5,341742E+21	8,527173E+21	1,084448E+22	1,084429E+22	8,526802E+21	5,341392E+21	2,447399E+21	6,203733E+20	4,408266E+19	4,409049E+19	6,204485E+20	2,447551E+21
2137	5,341529E+21	8,526686E+21	1,084379E+22	1,084401E+22	8,527057E+21	5,341786E+21	2,447723E+21	6,205517E+20	4,411520E+19	4,409999E+19	6,204000E+20	2,447405E+21
2138	5,341430E+21	8,526854E+21	1,084413E+22	1,084416E+22	8,526983E+21	5,341528E+21	2,447461E+21	6,204486E+20	4,411726E+19	4,413432E+19	6,205971E+20	2,447739E+21
2139	5,341774E+21	8,527013E+21	1,084389E+22	1,084345E+22	8,526351E+21	5,341376E+21	2,447580E+21	6,205680E+20	4,414318E+19	4,413859E+19	6,205366E+20	2,447521E+21
2140	5,341310E+21	8,526314E+21	1,084332E+22	1,084349E+22	8,526622E+21	5,341602E+21	2,447782E+21	6,207151E+20	4,418466E+19	4,417974E+19	6,206319E+20	2,447586E+21
2141	5,341399E+21	8,526480E+21	1,084337E+22	1,084335E+22	8,526325E+21	5,341177E+21	2,447497E+21	6,206485E+20	4,419871E+19	4,421725E+19	6,208299E+20	2,447849E+21
2142	5,341475E+21	8,526163E+21	1,084257E+22	1,084239E+22	8,525978E+21	5,341407E+21	2,447841E+21	6,208670E+20	4,424203E+19	4,423319E+19	6,207732E+20	2,447627E+21
2143	5,341036E+21	8,525578E+21	1,084225E+22	1,084254E+22	8,526168E+21	5,341486E+21	2,447855E+21	6,208914E+20	4,426310E+19	4,426811E+19	6,209150E+20	2,447859E+21
2144	5,341418E+21	8,526005E+21	1,084231E+22	1,084208E+22	8,525518E+21	5,341010E+21	2,447670E+21	6,208590E+20	4,426882E+19	4,427977E+19	6,209745E+20	2,447891E+21
2145	5,341246E+21	8,525520E+21	1,084156E+22	1,084159E+22	8,525603E+21	5,341371E+21	2,448022E+21	6,210573E+20	4,429805E+19	4,428207E+19	6,208764E+20	2,447643E+21
2146	5,340960E+21	8,525458E+21	1,084193E+22	1,084208E+22	8,525807E+21	5,341252E+21	2,447790E+21	6,209412E+20	4,429341E+19	4,429950E+19	6,210248E+20	2,447953E+21
2147	5,341379E+21	8,525816E+21	1,084200E+22	1,084173E+22	8,525355E+21	5,341045E+21	2,447769E+21	6,209331E+20	4,428128E+19	4,428064E+19	6,209320E+20	2,447793E+21
2148	5,341104E+21	8,525379E+21	1,084166E+22	1,084197E+22	8,525865E+21	5,341424E+21	2,447960E+21	6,209888E+20	4,427909E+19	4,426454E+19	6,208513E+20	2,447708E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2149	5,341217E+21	8,525891E+21	1,084241E+22	1,084245E+22	8,525939E+21	5,341150E+21	2,447600E+21	6,207721E+20	4,424186E+19	4,425626E+19	6,209295E+20	2,447942E+21
2150	5,341536E+21	8,526161E+21	1,084248E+22	1,084218E+22	8,525755E+21	5,341300E+21	2,447770E+21	6,208044E+20	4,422033E+19	4,421224E+19	6,207150E+20	2,447604E+21
2151	5,341156E+21	8,525875E+21	1,084272E+22	1,084300E+22	8,526372E+21	5,341540E+21	2,447797E+21	6,207614E+20	4,420635E+19	4,419767E+19	6,206883E+20	2,447644E+21
2152	5,341461E+21	8,526536E+21	1,084339E+22	1,084329E+22	8,526240E+21	5,341157E+21	2,447480E+21	6,205926E+20	4,417065E+19	4,418432E+19	6,207158E+20	2,447723E+21
2153	5,341423E+21	8,526280E+21	1,084297E+22	1,084297E+22	8,526380E+21	5,341537E+21	2,447777E+21	6,207271E+20	4,418052E+19	4,416149E+19	6,205602E+20	2,447462E+21
2154	5,341140E+21	8,526124E+21	1,084324E+22	1,084351E+22	8,526728E+21	5,341613E+21	2,447659E+21	6,206331E+20	4,417471E+19	4,418035E+19	6,206885E+20	2,447744E+21
2155	5,341604E+21	8,526608E+21	1,084341E+22	1,084317E+22	8,526151E+21	5,341233E+21	2,447544E+21	6,205965E+20	4,416446E+19	4,417204E+19	6,206659E+20	2,447684E+21
2156	5,341431E+21	8,526214E+21	1,084281E+22	1,084291E+22	8,526321E+21	5,341515E+21	2,447811E+21	6,207654E+20	4,419695E+19	4,418267E+19	6,206199E+20	2,447528E+21
2157	5,341277E+21	8,526329E+21	1,084319E+22	1,084317E+22	8,526336E+21	5,341284E+21	2,447550E+21	6,206639E+20	4,419957E+19	4,421811E+19	6,208195E+20	2,447836E+21
2158	5,341525E+21	8,526345E+21	1,084287E+22	1,084247E+22	8,525759E+21	5,341185E+21	2,447696E+21	6,207961E+20	4,423022E+19	4,422780E+19	6,207844E+20	2,447667E+21
2159	5,341085E+21	8,525559E+21	1,084216E+22	1,084249E+22	8,526098E+21	5,341477E+21	2,447921E+21	6,209463E+20	4,427156E+19	4,426658E+19	6,208646E+20	2,447717E+21
2160	5,341200E+21	8,525796E+21	1,084222E+22	1,084224E+22	8,525737E+21	5,341065E+21	2,447657E+21	6,208773E+20	4,428282E+19	4,430144E+19	6,210608E+20	2,447990E+21
2161	5,341283E+21	8,525454E+21	1,084134E+22	1,084119E+22	8,525273E+21	5,341213E+21	2,447994E+21	6,211099E+20	4,432883E+19	4,431768E+19	6,209957E+20	2,447759E+21
2162	5,340887E+21	8,524977E+21	1,084109E+22	1,084133E+22	8,525499E+21	5,341336E+21	2,448010E+21	6,211316E+20	4,435032E+19	4,435275E+19	6,211326E+20	2,447955E+21
2163	5,341199E+21	8,525387E+21	1,084127E+22	1,084100E+22	8,524853E+21	5,340823E+21	2,447814E+21	6,210941E+20	4,435393E+19	4,436312E+19	6,211938E+20	2,448006E+21
2164	5,341075E+21	8,524949E+21	1,084056E+22	1,084057E+22	8,524944E+21	5,341107E+21	2,448094E+21	6,212632E+20	4,437820E+19	4,436292E+19	6,210987E+20	2,447788E+21
2165	5,340819E+21	8,524902E+21	1,084096E+22	1,084113E+22	8,525260E+21	5,341061E+21	2,447863E+21	6,211245E+20	4,436641E+19	4,437561E+19	6,212362E+20	2,448093E+21
2166	5,341247E+21	8,525271E+21	1,084104E+22	1,084078E+22	8,524806E+21	5,340891E+21	2,447863E+21	6,211080E+20	4,434968E+19	4,435284E+19	6,211369E+20	2,447945E+21
2167	5,341022E+21	8,524906E+21	1,084080E+22	1,084112E+22	8,525357E+21	5,341276E+21	2,448056E+21	6,211577E+20	4,434272E+19	4,432781E+19	6,210143E+20	2,447788E+21
2168	5,341093E+21	8,525500E+21	1,084168E+22	1,084165E+22	8,525443E+21	5,341019E+21	2,447707E+21	6,209413E+20	4,430334E+19	4,431674E+19	6,210846E+20	2,447990E+21
2169	5,341307E+21	8,525607E+21	1,084165E+22	1,084139E+22	8,525245E+21	5,341133E+21	2,447883E+21	6,209973E+20	4,428891E+19	4,427732E+19	6,208819E+20	2,447668E+21
2170	5,340942E+21	8,525295E+21	1,084177E+22	1,084213E+22	8,525940E+21	5,341457E+21	2,447929E+21	6,209648E+20	4,428088E+19	4,427025E+19	6,208773E+20	2,447721E+21
2171	5,341211E+21	8,525870E+21	1,084235E+22	1,084234E+22	8,525743E+21	5,341064E+21	2,447625E+21	6,208004E+20	4,424649E+19	4,425981E+19	6,209210E+20	2,447856E+21
2172	5,341300E+21	8,525722E+21	1,084191E+22	1,084191E+22	8,525738E+21	5,341324E+21	2,447866E+21	6,209185E+20	4,425480E+19	4,423758E+19	6,207720E+20	2,447617E+21
2173	5,341065E+21	8,525656E+21	1,084227E+22	1,084247E+22	8,526079E+21	5,341388E+21	2,447742E+21	6,208216E+20	4,424708E+19	4,425565E+19	6,208926E+20	2,447864E+21
2174	5,341470E+21	8,526111E+21	1,084247E+22	1,084216E+22	8,525507E+21	5,341024E+21	2,447644E+21	6,207973E+20	4,424108E+19	4,425062E+19	6,208834E+20	2,447816E+21
2175	5,341272E+21	8,525667E+21	1,084192E+22	1,084204E+22	8,525755E+21	5,341322E+21	2,447920E+21	6,209766E+20	4,427659E+19	4,426180E+19	6,208280E+20	2,447626E+21
2176	5,341065E+21	8,525733E+21	1,084224E+22	1,084226E+22	8,525810E+21	5,341139E+21	2,447683E+21	6,208884E+20	4,428316E+19	4,430125E+19	6,210456E+20	2,447952E+21
2177	5,341268E+21	8,525576E+21	1,084167E+22	1,084141E+22	8,525184E+21	5,341044E+21	2,447852E+21	6,210429E+20	4,432100E+19	4,431745E+19	6,210278E+20	2,447823E+21
2178	5,340923E+21	8,524878E+21	1,084088E+22	1,084124E+22	8,525479E+21	5,341380E+21	2,448099E+21	6,211967E+20	4,436387E+19	4,435853E+19	6,211080E+20	2,447850E+21
2179	5,341000E+21	8,525121E+21	1,084100E+22	1,084097E+22	8,525011E+21	5,340895E+21	2,447830E+21	6,211295E+20	4,437359E+19	4,439075E+19	6,212938E+20	2,448121E+21
2180	5,341142E+21	8,524883E+21	1,084022E+22	1,083998E+22	8,524482E+21	5,340925E+21	2,448091E+21	6,213365E+20	4,441483E+19	4,440397E+19	6,212249E+20	2,447886E+21
2181	5,340720E+21	8,524416E+21	1,084008E+22	1,084027E+22	8,524801E+21	5,341062E+21	2,448097E+21	6,213452E+20	4,443205E+19	4,443544E+19	6,213545E+20	2,448065E+21
2182	5,340974E+21	8,524743E+21	1,084024E+22	1,084001E+22	8,524266E+21	5,340622E+21	2,447910E+21	6,213003E+20	4,443368E+19	4,444506E+19	6,214242E+20	2,448160E+21
2183	5,340903E+21	8,524328E+21	1,083958E+22	1,083968E+22	8,524445E+21	5,340961E+21	2,448191E+21	6,214508E+20	4,445120E+19	4,443643E+19	6,212975E+20	2,447913E+21
2184	5,340689E+21	8,524396E+21	1,084006E+22	1,084023E+22	8,524754E+21	5,340945E+21	2,447983E+21	6,213055E+20	4,443363E+19	4,444274E+19	6,214164E+20	2,448191E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2185	5,341084E+21	8,524728E+21	1,084010E+22	1,083988E+22	8,524285E+21	5,340748E+21	2,447987E+21	6,212992E+20	4,441780E+19	4,441847E+19	6,213044E+20	2,448026E+21
2186	5,340880E+21	8,524448E+21	1,083991E+22	1,084020E+22	8,524877E+21	5,341191E+21	2,448195E+21	6,213539E+20	4,441306E+19	4,439494E+19	6,211801E+20	2,447829E+21
2187	5,340843E+21	8,524938E+21	1,084082E+22	1,084082E+22	8,524953E+21	5,340900E+21	2,447851E+21	6,211457E+20	4,437530E+19	4,438581E+19	6,212606E+20	2,448068E+21
2188	5,341116E+21	8,525039E+21	1,084071E+22	1,084051E+22	8,524709E+21	5,340922E+21	2,447958E+21	6,211839E+20	4,436098E+19	4,435001E+19	6,210846E+20	2,447806E+21
2189	5,340804E+21	8,524740E+21	1,084078E+22	1,084117E+22	8,525397E+21	5,341277E+21	2,448012E+21	6,211431E+20	4,435094E+19	4,434431E+19	6,210888E+20	2,447874E+21
2190	5,341096E+21	8,525327E+21	1,084134E+22	1,084131E+22	8,525139E+21	5,340887E+21	2,447723E+21	6,209818E+20	4,431714E+19	4,433493E+19	6,211400E+20	2,448032E+21
2191	5,341232E+21	8,525271E+21	1,084103E+22	1,084096E+22	8,525128E+21	5,341115E+21	2,447949E+21	6,210986E+20	4,432506E+19	4,430913E+19	6,209625E+20	2,447728E+21
2192	5,340952E+21	8,525251E+21	1,084148E+22	1,084158E+22	8,525498E+21	5,341198E+21	2,447848E+21	6,210161E+20	4,431970E+19	4,432828E+19	6,210828E+20	2,447939E+21
2193	5,341236E+21	8,525504E+21	1,084152E+22	1,084127E+22	8,524955E+21	5,340834E+21	2,447767E+21	6,210233E+20	4,432413E+19	4,433092E+19	6,210924E+20	2,447912E+21
2194	5,341041E+21	8,525003E+21	1,084080E+22	1,084100E+22	8,525265E+21	5,341237E+21	2,448082E+21	6,212198E+20	4,436640E+19	4,435006E+19	6,210583E+20	2,447729E+21
2195	5,340785E+21	8,524961E+21	1,084103E+22	1,084115E+22	8,525243E+21	5,341045E+21	2,447871E+21	6,211396E+20	4,437402E+19	4,439075E+19	6,212827E+20	2,448097E+21
2196	5,341104E+21	8,524891E+21	1,084041E+22	1,084016E+22	8,524451E+21	5,340813E+21	2,447979E+21	6,212776E+20	4,440959E+19	4,440738E+19	6,212740E+20	2,447987E+21
2197	5,340796E+21	8,524295E+21	1,083972E+22	1,083999E+22	8,524724E+21	5,341136E+21	2,448217E+21	6,214209E+20	4,444794E+19	4,444491E+19	6,213422E+20	2,447983E+21
2198	5,340818E+21	8,524516E+21	1,083990E+22	1,083981E+22	8,524276E+21	5,340655E+21	2,447946E+21	6,213536E+20	4,445809E+19	4,447672E+19	6,215308E+20	2,448263E+21
2199	5,340952E+21	8,524285E+21	1,083926E+22	1,083901E+22	8,523843E+21	5,340682E+21	2,448184E+21	6,215487E+20	4,449625E+19	4,448508E+19	6,214402E+20	2,448002E+21
2200	5,340531E+21	8,523838E+21	1,083914E+22	1,083936E+22	8,524263E+21	5,340882E+21	2,448202E+21	6,215537E+20	4,451130E+19	4,451406E+19	6,215681E+20	2,448184E+21
2201	5,340760E+21	8,524060E+21	1,083915E+22	1,083904E+22	8,523752E+21	5,340487E+21	2,448042E+21	6,215167E+20	4,451389E+19	4,452386E+19	6,216360E+20	2,448302E+21
2202	5,340786E+21	8,523784E+21	1,083852E+22	1,083863E+22	8,523941E+21	5,340886E+21	2,448346E+21	6,216632E+20	4,452908E+19	4,451278E+19	6,214944E+20	2,448012E+21
2203	5,340516E+21	8,523863E+21	1,083912E+22	1,083925E+22	8,524197E+21	5,340826E+21	2,448142E+21	6,215171E+20	4,450810E+19	4,451420E+19	6,215943E+20	2,448274E+21
2204	5,340937E+21	8,524237E+21	1,083921E+22	1,083895E+22	8,523689E+21	5,340524E+21	2,448074E+21	6,214870E+20	4,448839E+19	4,448898E+19	6,214886E+20	2,448111E+21
2205	5,340699E+21	8,523943E+21	1,083905E+22	1,083932E+22	8,524339E+21	5,340985E+21	2,448275E+21	6,215322E+20	4,448123E+19	4,446489E+19	6,213708E+20	2,447923E+21
2206	5,340618E+21	8,524308E+21	1,083985E+22	1,083992E+22	8,524465E+21	5,340746E+21	2,447940E+21	6,213229E+20	4,444399E+19	4,445763E+19	6,214672E+20	2,448214E+21
2207	5,340962E+21	8,524467E+21	1,083980E+22	1,083964E+22	8,524215E+21	5,340766E+21	2,448038E+21	6,213475E+20	4,442584E+19	4,441696E+19	6,212725E+20	2,447947E+21
2208	5,340727E+21	8,524303E+21	1,083993E+22	1,084026E+22	8,524843E+21	5,341104E+21	2,448109E+21	6,213137E+20	4,441515E+19	4,440966E+19	6,212674E+20	2,447985E+21
2209	5,340967E+21	8,524828E+21	1,084043E+22	1,084037E+22	8,524580E+21	5,340718E+21	2,447839E+21	6,211764E+20	4,438749E+19	4,440337E+19	6,213195E+20	2,448134E+21
2210	5,341112E+21	8,524834E+21	1,084016E+22	1,084001E+22	8,524609E+21	5,340995E+21	2,448083E+21	6,213080E+20	4,440214E+19	4,438401E+19	6,211513E+20	2,447792E+21
2211	5,340703E+21	8,524658E+21	1,084057E+22	1,084068E+22	8,524968E+21	5,341054E+21	2,448004E+21	6,212486E+20	4,440273E+19	4,440829E+19	6,212862E+20	2,448034E+21
2212	5,341023E+21	8,524841E+21	1,084043E+22	1,084026E+22	8,524391E+21	5,340632E+21	2,447874E+21	6,212480E+20	4,441066E+19	4,441818E+19	6,213301E+20	2,448059E+21
2213	5,340864E+21	8,524347E+21	1,083963E+22	1,083985E+22	8,524633E+21	5,341056E+21	2,448211E+21	6,214444E+20	4,445229E+19	4,443987E+19	6,213086E+20	2,447893E+21
2214	5,340608E+21	8,524269E+21	1,083980E+22	1,083991E+22	8,524541E+21	5,340851E+21	2,448011E+21	6,213707E+20	4,446094E+19	4,448053E+19	6,215336E+20	2,448268E+21
2215	5,340956E+21	8,524302E+21	1,083935E+22	1,083901E+22	8,523732E+21	5,340567E+21	2,448088E+21	6,214986E+20	4,449362E+19	4,449207E+19	6,214989E+20	2,448114E+21
2216	5,340632E+21	8,523755E+21	1,083875E+22	1,083891E+22	8,524025E+21	5,340890E+21	2,448330E+21	6,216443E+20	4,453111E+19	4,452735E+19	6,215596E+20	2,448077E+21
2217	5,340557E+21	8,523811E+21	1,083882E+22	1,083878E+22	8,523666E+21	5,340451E+21	2,448076E+21	6,215935E+20	4,454632E+19	4,456206E+19	6,217560E+20	2,448385E+21
2218	5,340740E+21	8,523613E+21	1,083812E+22	1,083793E+22	8,523335E+21	5,340580E+21	2,448330E+21	6,217842E+20	4,458476E+19	4,457212E+19	6,216678E+20	2,448119E+21
2219	5,340300E+21	8,523140E+21	1,083802E+22	1,083831E+22	8,523720E+21	5,340777E+21	2,448372E+21	6,217883E+20	4,459613E+19	4,459633E+19	6,217827E+20	2,448324E+21
2220	5,340643E+21	8,523472E+21	1,083804E+22	1,083794E+22	8,523137E+21	5,340290E+21	2,448153E+21	6,217249E+20	4,459252E+19	4,460315E+19	6,218471E+20	2,448436E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2221	5,340676E+21	8,523303E+21	1,083757E+22	1,083759E+22	8,523327E+21	5,340692E+21	2,448452E+21	6,218535E+20	4,460040E+19	4,458620E+19	6,216923E+20	2,448116E+21
2222	5,340337E+21	8,523324E+21	1,083822E+22	1,083831E+22	8,523616E+21	5,340644E+21	2,448248E+21	6,217043E+20	4,457786E+19	4,458534E+19	6,217889E+20	2,448380E+21
2223	5,340742E+21	8,523705E+21	1,083842E+22	1,083815E+22	8,523174E+21	5,340326E+21	2,448147E+21	6,216582E+20	4,455423E+19	4,455573E+19	6,216699E+20	2,448216E+21
2224	5,340538E+21	8,523434E+21	1,083823E+22	1,083850E+22	8,523871E+21	5,340830E+21	2,448356E+21	6,216990E+20	4,454578E+19	4,453048E+19	6,215537E+20	2,448039E+21
2225	5,340456E+21	8,523714E+21	1,083887E+22	1,083900E+22	8,523980E+21	5,340619E+21	2,448049E+21	6,215050E+20	4,451178E+19	4,452534E+19	6,216530E+20	2,448354E+21
2226	5,340893E+21	8,524011E+21	1,083884E+22	1,083864E+22	8,523708E+21	5,340660E+21	2,448162E+21	6,215371E+20	4,449631E+19	4,448621E+19	6,214509E+20	2,448041E+21
2227	5,340589E+21	8,523847E+21	1,083911E+22	1,083936E+22	8,524292E+21	5,340950E+21	2,448244E+21	6,215184E+20	4,448769E+19	4,447896E+19	6,214385E+20	2,448067E+21
2228	5,340826E+21	8,524341E+21	1,083956E+22	1,083946E+22	8,523994E+21	5,340487E+21	2,447929E+21	6,213782E+20	4,446359E+19	4,447846E+19	6,215132E+20	2,448219E+21
2229	5,340909E+21	8,524280E+21	1,083926E+22	1,083910E+22	8,524061E+21	5,340799E+21	2,448188E+21	6,215146E+20	4,448071E+19	4,446466E+19	6,213702E+20	2,447900E+21
2230	5,340448E+21	8,523939E+21	1,083947E+22	1,083967E+22	8,524435E+21	5,340913E+21	2,448132E+21	6,214661E+20	4,448531E+19	4,449352E+19	6,215231E+20	2,448181E+21
2231	5,340811E+21	8,524158E+21	1,083935E+22	1,083920E+22	8,523804E+21	5,340466E+21	2,447992E+21	6,214580E+20	4,449153E+19	4,450113E+19	6,215578E+20	2,448210E+21
2232	5,340727E+21	8,523765E+21	1,083857E+22	1,083872E+22	8,523975E+21	5,340865E+21	2,448337E+21	6,216596E+20	4,453247E+19	4,452116E+19	6,215273E+20	2,448017E+21
2233	5,340423E+21	8,523608E+21	1,083865E+22	1,083874E+22	8,523872E+21	5,340660E+21	2,448153E+21	6,216073E+20	4,454646E+19	4,456370E+19	6,217522E+20	2,448392E+21
2234	5,340788E+21	8,523709E+21	1,083825E+22	1,083787E+22	8,523105E+21	5,340404E+21	2,448240E+21	6,217446E+20	4,458363E+19	4,457922E+19	6,217228E+20	2,448213E+21
2235	5,340382E+21	8,523077E+21	1,083770E+22	1,083789E+22	8,523412E+21	5,340699E+21	2,448482E+21	6,218980E+20	4,462264E+19	4,461518E+19	6,217886E+20	2,448213E+21
2236	5,340374E+21	8,523114E+21	1,083764E+22	1,083767E+22	8,523049E+21	5,340242E+21	2,448187E+21	6,218273E+20	4,463673E+19	4,465309E+19	6,220045E+20	2,448555E+21
2237	5,340608E+21	8,523011E+21	1,083701E+22	1,083679E+22	8,522693E+21	5,340399E+21	2,448453E+21	6,219988E+20	4,466800E+19	4,465992E+19	6,219124E+20	2,448287E+21
2238	5,340172E+21	8,522553E+21	1,083694E+22	1,083718E+22	8,523073E+21	5,340598E+21	2,448498E+21	6,219985E+20	4,467541E+19	4,467785E+19	6,220046E+20	2,448463E+21
2239	5,340508E+21	8,522991E+21	1,083719E+22	1,083698E+22	8,522539E+21	5,340086E+21	2,448243E+21	6,219117E+20	4,466374E+19	4,467526E+19	6,220339E+20	2,448526E+21
2240	5,340516E+21	8,522840E+21	1,083680E+22	1,083674E+22	8,522769E+21	5,340492E+21	2,448538E+21	6,220339E+20	4,466792E+19	4,465301E+19	6,218660E+20	2,448178E+21
2241	5,340082E+21	8,522663E+21	1,083727E+22	1,083746E+22	8,523150E+21	5,340503E+21	2,448359E+21	6,218985E+20	4,464839E+19	4,465316E+19	6,219671E+20	2,448473E+21
2242	5,340548E+21	8,523095E+21	1,083742E+22	1,083724E+22	8,522764E+21	5,340257E+21	2,448271E+21	6,218487E+20	4,462487E+19	4,462491E+19	6,218520E+20	2,448313E+21
2243	5,340354E+21	8,522847E+21	1,083729E+22	1,083758E+22	8,523357E+21	5,340712E+21	2,448492E+21	6,218942E+20	4,461547E+19	4,459741E+19	6,217290E+20	2,448162E+21
2244	5,340380E+21	8,523224E+21	1,083791E+22	1,083800E+22	8,523394E+21	5,340425E+21	2,448142E+21	6,216893E+20	4,458077E+19	4,459444E+19	6,218355E+20	2,448468E+21
2245	5,340808E+21	8,523616E+21	1,083804E+22	1,083771E+22	8,523115E+21	5,340464E+21	2,448253E+21	6,217161E+20	4,456469E+19	4,455674E+19	6,216397E+20	2,448136E+21
2246	5,340418E+21	8,523337E+21	1,083827E+22	1,083848E+22	8,523737E+21	5,340764E+21	2,448343E+21	6,217125E+20	4,456073E+19	4,455302E+19	6,216364E+20	2,448163E+21
2247	5,340610E+21	8,523784E+21	1,083875E+22	1,083865E+22	8,523508E+21	5,340302E+21	2,448009E+21	6,215688E+20	4,453777E+19	4,455363E+19	6,217152E+20	2,448331E+21
2248	5,340720E+21	8,523679E+21	1,083832E+22	1,083818E+22	8,523554E+21	5,340651E+21	2,448292E+21	6,217125E+20	4,455724E+19	4,454317E+19	6,215875E+20	2,448033E+21
2249	5,340252E+21	8,523215E+21	1,083829E+22	1,083856E+22	8,523867E+21	5,340793E+21	2,448282E+21	6,216897E+20	4,456729E+19	4,457577E+19	6,217475E+20	2,448333E+21
2250	5,340686E+21	8,523560E+21	1,083819E+22	1,083800E+22	8,523181E+21	5,340338E+21	2,448151E+21	6,216940E+20	4,457788E+19	4,458636E+19	6,217804E+20	2,448328E+21
2251	5,340543E+21	8,523168E+21	1,083753E+22	1,083759E+22	8,523272E+21	5,340662E+21	2,448492E+21	6,219074E+20	4,462107E+19	4,460675E+19	6,217461E+20	2,448137E+21
2252	5,340257E+21	8,522978E+21	1,083753E+22	1,083758E+22	8,523148E+21	5,340394E+21	2,448263E+21	6,218497E+20	4,463803E+19	4,465432E+19	6,219910E+20	2,448519E+21
2253	5,340589E+21	8,523061E+21	1,083715E+22	1,083677E+22	8,522438E+21	5,340175E+21	2,448352E+21	6,219778E+20	4,467387E+19	4,467236E+19	6,219780E+20	2,448365E+21
2254	5,340167E+21	8,522350E+21	1,083652E+22	1,083677E+22	8,522795E+21	5,340520E+21	2,448605E+21	6,221280E+20	4,471136E+19	4,470631E+19	6,220411E+20	2,448381E+21
2255	5,340210E+21	8,522496E+21	1,083660E+22	1,083658E+22	8,522424E+21	5,340058E+21	2,448299E+21	6,220390E+20	4,471836E+19	4,473638E+19	6,222295E+20	2,448702E+21
2256	5,340493E+21	8,522494E+21	1,083606E+22	1,083577E+22	8,522082E+21	5,340224E+21	2,448567E+21	6,221989E+20	4,474273E+19	4,473548E+19	6,221118E+20	2,448387E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2257	5,339988E+21	8,521964E+21	1,083594E+22	1,083619E+22	8,522506E+21	5,340451E+21	2,448632E+21	6,222077E+20	4,475038E+19	4,474990E+19	6,221880E+20	2,448540E+21
2258	5,340311E+21	8,522432E+21	1,083623E+22	1,083605E+22	8,522041E+21	5,339973E+21	2,448382E+21	6,221231E+20	4,473946E+19	4,474744E+19	6,222135E+20	2,448582E+21
2259	5,340254E+21	8,522204E+21	1,083589E+22	1,083591E+22	8,522283E+21	5,340356E+21	2,448669E+21	6,222430E+20	4,474251E+19	4,472330E+19	6,220488E+20	2,448287E+21
2260	5,339918E+21	8,522022E+21	1,083619E+22	1,083647E+22	8,522616E+21	5,340340E+21	2,448455E+21	6,220913E+20	4,472234E+19	4,472700E+19	6,221679E+20	2,448614E+21
2261	5,340449E+21	8,522581E+21	1,083645E+22	1,083623E+22	8,522173E+21	5,340092E+21	2,448374E+21	6,220276E+20	4,469394E+19	4,469765E+19	6,220562E+20	2,448461E+21
2262	5,340270E+21	8,522381E+21	1,083639E+22	1,083662E+22	8,522757E+21	5,340519E+21	2,448580E+21	6,220737E+20	4,468404E+19	4,466782E+19	6,219203E+20	2,448279E+21
2263	5,340271E+21	8,522847E+21	1,083721E+22	1,083717E+22	8,522827E+21	5,340215E+21	2,448209E+21	6,218582E+20	4,464614E+19	4,466100E+19	6,220088E+20	2,448549E+21
2264	5,340658E+21	8,523194E+21	1,083735E+22	1,083697E+22	8,522616E+21	5,340278E+21	2,448325E+21	6,218872E+20	4,463103E+19	4,462373E+19	6,218158E+20	2,448202E+21
2265	5,340174E+21	8,522690E+21	1,083732E+22	1,083764E+22	8,523307E+21	5,340653E+21	2,448459E+21	6,219096E+20	4,463402E+19	4,462546E+19	6,218280E+20	2,448261E+21
2266	5,340404E+21	8,523127E+21	1,083766E+22	1,083769E+22	8,523080E+21	5,340253E+21	2,448159E+21	6,217812E+20	4,461635E+19	4,463111E+19	6,219183E+20	2,448437E+21
2267	5,340517E+21	8,523017E+21	1,083724E+22	1,083715E+22	8,522974E+21	5,340528E+21	2,448455E+21	6,219406E+20	4,463851E+19	4,462213E+19	6,217974E+20	2,448179E+21
2268	5,340141E+21	8,522595E+21	1,083710E+22	1,083735E+22	8,523167E+21	5,340587E+21	2,448411E+21	6,219180E+20	4,465163E+19	4,465989E+19	6,219711E+20	2,448468E+21
2269	5,340556E+21	8,523025E+21	1,083715E+22	1,083684E+22	8,522434E+21	5,340110E+21	2,448278E+21	6,219212E+20	4,466346E+19	4,467409E+19	6,220196E+20	2,448463E+21
2270	5,340355E+21	8,522549E+21	1,083647E+22	1,083649E+22	8,522555E+21	5,340410E+21	2,448603E+21	6,221429E+20	4,471036E+19	4,469707E+19	6,219902E+20	2,448272E+21
2271	5,340049E+21	8,522367E+21	1,083654E+22	1,083657E+22	8,522520E+21	5,340162E+21	2,448353E+21	6,220729E+20	4,472546E+19	4,474302E+19	6,222320E+20	2,448670E+21
2272	5,340425E+21	8,522445E+21	1,083611E+22	1,083574E+22	8,521846E+21	5,339991E+21	2,448454E+21	6,221927E+20	4,475853E+19	4,475947E+19	6,222152E+20	2,448510E+21
2273	5,339990E+21	8,521660E+21	1,083533E+22	1,083564E+22	8,522199E+21	5,340387E+21	2,448754E+21	6,223574E+20	4,479625E+19	4,479058E+19	6,222645E+20	2,448518E+21
2274	5,340071E+21	8,521920E+21	1,083550E+22	1,083549E+22	8,521861E+21	5,339952E+21	2,448463E+21	6,222722E+20	4,480266E+19	4,481767E+19	6,224314E+20	2,448780E+21
2275	5,340269E+21	8,521897E+21	1,083510E+22	1,083480E+22	8,521476E+21	5,340063E+21	2,448722E+21	6,224312E+20	4,482436E+19	4,481256E+19	6,223051E+20	2,448474E+21
2276	5,339775E+21	8,521302E+21	1,083486E+22	1,083517E+22	8,521898E+21	5,340252E+21	2,448749E+21	6,224283E+20	4,483185E+19	4,482888E+19	6,223931E+20	2,448632E+21
2277	5,340082E+21	8,521787E+21	1,083520E+22	1,083506E+22	8,521464E+21	5,339805E+21	2,448494E+21	6,223244E+20	4,481657E+19	4,482695E+19	6,224329E+20	2,448713E+21
2278	5,340058E+21	8,521539E+21	1,083481E+22	1,083488E+22	8,521709E+21	5,340189E+21	2,448766E+21	6,224318E+20	4,481587E+19	4,479891E+19	6,222605E+20	2,448435E+21
2279	5,339811E+21	8,521545E+21	1,083530E+22	1,083551E+22	8,522025E+21	5,340149E+21	2,448528E+21	6,222580E+20	4,478796E+19	4,479504E+19	6,223546E+20	2,448749E+21
2280	5,340395E+21	8,522212E+21	1,083568E+22	1,083538E+22	8,521626E+21	5,339903E+21	2,448440E+21	6,221831E+20	4,475467E+19	4,476008E+19	6,222236E+20	2,448552E+21
2281	5,340142E+21	8,521935E+21	1,083559E+22	1,083580E+22	8,522262E+21	5,340373E+21	2,448679E+21	6,222468E+20	4,474821E+19	4,473065E+19	6,220833E+20	2,448356E+21
2282	5,340112E+21	8,522378E+21	1,083641E+22	1,083641E+22	8,522415E+21	5,340119E+21	2,448333E+21	6,220503E+20	4,471589E+19	4,472805E+19	6,221762E+20	2,448602E+21
2283	5,340414E+21	8,522602E+21	1,083651E+22	1,083622E+22	8,522189E+21	5,340170E+21	2,448454E+21	6,220905E+20	4,470503E+19	4,469499E+19	6,220056E+20	2,448321E+21
2284	5,340011E+21	8,522036E+21	1,083618E+22	1,083661E+22	8,522767E+21	5,340522E+21	2,448582E+21	6,221173E+20	4,471282E+19	4,470524E+19	6,220448E+20	2,448400E+21
2285	5,340272E+21	8,522549E+21	1,083657E+22	1,083656E+22	8,522418E+21	5,340094E+21	2,448298E+21	6,219926E+20	4,469627E+19	4,471447E+19	6,221489E+20	2,448588E+21
2286	5,340387E+21	8,522451E+21	1,083617E+22	1,083602E+22	8,522260E+21	5,340301E+21	2,448572E+21	6,221608E+20	4,472156E+19	4,470666E+19	6,220248E+20	2,448309E+21
2287	5,339994E+21	8,522114E+21	1,083618E+22	1,083629E+22	8,522439E+21	5,340319E+21	2,448501E+21	6,221331E+20	4,473405E+19	4,474314E+19	6,221911E+20	2,448581E+21
2288	5,340372E+21	8,522465E+21	1,083621E+22	1,083588E+22	8,521804E+21	5,339872E+21	2,448366E+21	6,221371E+20	4,474705E+19	4,475809E+19	6,222444E+20	2,448571E+21
2289	5,340107E+21	8,521825E+21	1,083534E+22	1,083546E+22	8,522002E+21	5,340250E+21	2,448724E+21	6,223706E+20	4,479742E+19	4,478388E+19	6,222230E+20	2,448408E+21
2290	5,339848E+21	8,521662E+21	1,083534E+22	1,083548E+22	8,521985E+21	5,340069E+21	2,448519E+21	6,223143E+20	4,481494E+19	4,483050E+19	6,224586E+20	2,448787E+21
2291	5,340215E+21	8,521766E+21	1,083499E+22	1,083468E+22	8,521252E+21	5,339863E+21	2,448627E+21	6,224365E+20	4,484587E+19	4,484417E+19	6,224362E+20	2,448649E+21
2292	5,339844E+21	8,521019E+21	1,083413E+22	1,083444E+22	8,521532E+21	5,340211E+21	2,448899E+21	6,225948E+20	4,488326E+19	4,487590E+19	6,224848E+20	2,448625E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2293	5,339880E+21	8,521335E+21	1,083446E+22	1,083438E+22	8,521169E+21	5,339770E+21	2,448612E+21	6,225008E+20	4,488698E+19	4,490242E+19	6,226557E+20	2,448888E+21
2294	5,340035E+21	8,521233E+21	1,083405E+22	1,083379E+22	8,520842E+21	5,339845E+21	2,448836E+21	6,226507E+20	4,490660E+19	4,489509E+19	6,225282E+20	2,448594E+21
2295	5,339573E+21	8,520710E+21	1,083387E+22	1,083418E+22	8,521305E+21	5,340039E+21	2,448824E+21	6,226186E+20	4,490718E+19	4,490597E+19	6,226079E+20	2,448780E+21
2296	5,339957E+21	8,521246E+21	1,083423E+22	1,083410E+22	8,520912E+21	5,339630E+21	2,448568E+21	6,224943E+20	4,488442E+19	4,489812E+19	6,226339E+20	2,448859E+21
2297	5,339959E+21	8,521032E+21	1,083384E+22	1,083391E+22	8,521155E+21	5,340033E+21	2,448860E+21	6,226032E+20	4,488160E+19	4,486555E+19	6,224420E+20	2,448564E+21
2298	5,339749E+21	8,521164E+21	1,083448E+22	1,083465E+22	8,521532E+21	5,340021E+21	2,448645E+21	6,224410E+20	4,485467E+19	4,485937E+19	6,225125E+20	2,448807E+21
2299	5,340228E+21	8,521788E+21	1,083499E+22	1,083469E+22	8,521162E+21	5,339758E+21	2,448555E+21	6,223706E+20	4,482177E+19	4,482329E+19	6,223818E+20	2,448620E+21
2300	5,339954E+21	8,521386E+21	1,083469E+22	1,083498E+22	8,521790E+21	5,340222E+21	2,448784E+21	6,224401E+20	4,482038E+19	4,480081E+19	6,222640E+20	2,448429E+21
2301	5,339885E+21	8,521782E+21	1,083548E+22	1,083553E+22	8,521926E+21	5,340012E+21	2,448464E+21	6,222455E+20	4,478987E+19	4,480384E+19	6,223814E+20	2,448713E+21
2302	5,340201E+21	8,521938E+21	1,083543E+22	1,083522E+22	8,521633E+21	5,340027E+21	2,448580E+21	6,222926E+20	4,478152E+19	4,477303E+19	6,222206E+20	2,448456E+21
2303	5,339877E+21	8,521522E+21	1,083518E+22	1,083554E+22	8,522128E+21	5,340327E+21	2,448685E+21	6,223111E+20	4,478684E+19	4,478163E+19	6,222536E+20	2,448538E+21
2304	5,340163E+21	8,522075E+21	1,083564E+22	1,083554E+22	8,521780E+21	5,339877E+21	2,448387E+21	6,221854E+20	4,477024E+19	4,478997E+19	6,223526E+20	2,448697E+21
2305	5,340212E+21	8,521884E+21	1,083517E+22	1,083499E+22	8,521626E+21	5,340094E+21	2,448682E+21	6,223729E+20	4,480158E+19	4,478597E+19	6,222349E+20	2,448420E+21
2306	5,339804E+21	8,521519E+21	1,083518E+22	1,083535E+22	8,521892E+21	5,340152E+21	2,448637E+21	6,223670E+20	4,482042E+19	4,482676E+19	6,224053E+20	2,448676E+21
2307	5,340119E+21	8,521774E+21	1,083515E+22	1,083493E+22	8,521276E+21	5,339722E+21	2,448508E+21	6,223776E+20	4,483685E+19	4,484554E+19	6,224788E+20	2,448727E+21
2308	5,339929E+21	8,521097E+21	1,083405E+22	1,083425E+22	8,521368E+21	5,340099E+21	2,448873E+21	6,226134E+20	4,488959E+19	4,487675E+19	6,224737E+20	2,448568E+21
2309	5,339699E+21	8,521038E+21	1,083416E+22	1,083425E+22	8,521264E+21	5,339910E+21	2,448690E+21	6,225584E+20	4,490625E+19	4,492375E+19	6,227090E+20	2,448934E+21
2310	5,340040E+21	8,521137E+21	1,083385E+22	1,083351E+22	8,520536E+21	5,339645E+21	2,448767E+21	6,226768E+20	4,493550E+19	4,493479E+19	6,226747E+20	2,448767E+21
2311	5,339658E+21	8,520482E+21	1,083313E+22	1,083335E+22	8,520830E+21	5,339962E+21	2,448998E+21	6,228119E+20	4,496644E+19	4,496000E+19	6,227090E+20	2,448737E+21
2312	5,339665E+21	8,520720E+21	1,083346E+22	1,083341E+22	8,520570E+21	5,339547E+21	2,448695E+21	6,227017E+20	4,496493E+19	4,498141E+19	6,228693E+20	2,449000E+21
2313	5,339804E+21	8,520533E+21	1,083294E+22	1,083277E+22	8,520303E+21	5,339685E+21	2,448937E+21	6,228454E+20	4,498169E+19	4,497086E+19	6,227369E+20	2,448738E+21
2314	5,339435E+21	8,520120E+21	1,083283E+22	1,083320E+22	8,520788E+21	5,339917E+21	2,448955E+21	6,228163E+20	4,498014E+19	4,497697E+19	6,227934E+20	2,448892E+21
2315	5,339822E+21	8,520745E+21	1,083334E+22	1,083322E+22	8,520403E+21	5,339497E+21	2,448696E+21	6,226858E+20	4,495307E+19	4,496415E+19	6,228074E+20	2,448978E+21
2316	5,339866E+21	8,520582E+21	1,083294E+22	1,083296E+22	8,520607E+21	5,339874E+21	2,448967E+21	6,227894E+20	4,495084E+19	4,493283E+19	6,226143E+20	2,448645E+21
2317	5,339602E+21	8,520745E+21	1,083372E+22	1,083380E+22	8,520983E+21	5,339878E+21	2,448776E+21	6,226325E+20	4,492498E+19	4,492914E+19	6,226922E+20	2,448879E+21
2318	5,340006E+21	8,521225E+21	1,083415E+22	1,083392E+22	8,520707E+21	5,339595E+21	2,448658E+21	6,225627E+20	4,489386E+19	4,489506E+19	6,225711E+20	2,448708E+21
2319	5,339759E+21	8,520865E+21	1,083381E+22	1,083411E+22	8,521300E+21	5,340055E+21	2,448863E+21	6,226169E+20	4,489059E+19	4,487330E+19	6,224647E+20	2,448558E+21
2320	5,339730E+21	8,521213E+21	1,083450E+22	1,083459E+22	8,521407E+21	5,339862E+21	2,448556E+21	6,224205E+20	4,485811E+19	4,487510E+19	6,225789E+20	2,448842E+21
2321	5,340064E+21	8,521379E+21	1,083440E+22	1,083419E+22	8,521054E+21	5,339860E+21	2,448688E+21	6,224796E+20	4,485257E+19	4,484529E+19	6,224186E+20	2,448590E+21
2322	5,339772E+21	8,521043E+21	1,083425E+22	1,083455E+22	8,521528E+21	5,340146E+21	2,448813E+21	6,225213E+20	4,486334E+19	4,485621E+19	6,224420E+20	2,448618E+21
2323	5,339962E+21	8,521535E+21	1,083475E+22	1,083465E+22	8,521213E+21	5,339693E+21	2,448516E+21	6,224066E+20	4,485087E+19	4,486746E+19	6,225556E+20	2,448806E+21
2324	5,340001E+21	8,521225E+21	1,083407E+22	1,083395E+22	8,521038E+21	5,339900E+21	2,448796E+21	6,226010E+20	4,488906E+19	4,487274E+19	6,224646E+20	2,448541E+21
2325	5,339583E+21	8,520843E+21	1,083405E+22	1,083424E+22	8,521272E+21	5,340003E+21	2,448789E+21	6,226037E+20	4,491069E+19	4,491872E+19	6,226538E+20	2,448825E+21
2326	5,339912E+21	8,521048E+21	1,083393E+22	1,083378E+22	8,520645E+21	5,339549E+21	2,448655E+21	6,226178E+20	4,492792E+19	4,493807E+19	6,227277E+20	2,448879E+21
2327	5,339786E+21	8,520540E+21	1,083294E+22	1,083305E+22	8,520659E+21	5,339881E+21	2,448994E+21	6,228373E+20	4,497523E+19	4,496504E+19	6,227128E+20	2,448716E+21
2328	5,339550E+21	8,520481E+21	1,083313E+22	1,083315E+22	8,520590E+21	5,339696E+21	2,448806E+21	6,227761E+20	4,498820E+19	4,500651E+19	6,229283E+20	2,449041E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2329	5,339825E+21	8,520509E+21	1,083279E+22	1,083244E+22	8,519897E+21	5,339444E+21	2,448892E+21	6,228980E+20	4,501779E+19	4,501676E+19	6,228939E+20	2,448886E+21
2330	5,339451E+21	8,519843E+21	1,083209E+22	1,083237E+22	8,520278E+21	5,339789E+21	2,449130E+21	6,230383E+20	4,504963E+19	4,504028E+19	6,229173E+20	2,448841E+21
2331	5,339434E+21	8,520044E+21	1,083241E+22	1,083246E+22	8,520066E+21	5,339408E+21	2,448823E+21	6,229179E+20	4,504540E+19	4,505970E+19	6,230815E+20	2,449153E+21
2332	5,339663E+21	8,519891E+21	1,083177E+22	1,083165E+22	8,519704E+21	5,339528E+21	2,449058E+21	6,230524E+20	4,506046E+19	4,504943E+19	6,229477E+20	2,448882E+21
2333	5,339340E+21	8,519649E+21	1,083189E+22	1,083215E+22	8,520142E+21	5,339750E+21	2,449094E+21	6,230221E+20	4,505654E+19	4,505331E+19	6,229934E+20	2,449006E+21
2334	5,339686E+21	8,520265E+21	1,083248E+22	1,083231E+22	8,519834E+21	5,339305E+21	2,448808E+21	6,228872E+20	4,502756E+19	4,503764E+19	6,229929E+20	2,449052E+21
2335	5,339700E+21	8,520171E+21	1,083220E+22	1,083213E+22	8,520070E+21	5,339670E+21	2,449043E+21	6,229674E+20	4,501992E+19	4,500254E+19	6,227982E+20	2,448728E+21
2336	5,339397E+21	8,520211E+21	1,083292E+22	1,083305E+22	8,520548E+21	5,339715E+21	2,448847E+21	6,228011E+20	4,499084E+19	4,499630E+19	6,228708E+20	2,448960E+21
2337	5,339773E+21	8,520573E+21	1,083315E+22	1,083303E+22	8,520271E+21	5,339482E+21	2,448756E+21	6,227336E+20	4,496017E+19	4,496325E+19	6,227599E+20	2,448834E+21
2338	5,339615E+21	8,520285E+21	1,083282E+22	1,083317E+22	8,520817E+21	5,339945E+21	2,448991E+21	6,228029E+20	4,495897E+19	4,494101E+19	6,226428E+20	2,448664E+21
2339	5,339586E+21	8,520680E+21	1,083357E+22	1,083367E+22	8,520891E+21	5,339722E+21	2,448681E+21	6,226137E+20	4,492774E+19	4,494312E+19	6,227604E+20	2,448963E+21
2340	5,339936E+21	8,520850E+21	1,083340E+22	1,083313E+22	8,520435E+21	5,339674E+21	2,448803E+21	6,226839E+20	4,492876E+19	4,492028E+19	6,226164E+20	2,448698E+21
2341	5,339616E+21	8,520546E+21	1,083337E+22	1,083355E+22	8,520867E+21	5,339944E+21	2,448948E+21	6,227431E+20	4,494556E+19	4,493842E+19	6,226591E+20	2,448728E+21
2342	5,339741E+21	8,520891E+21	1,083374E+22	1,083369E+22	8,520643E+21	5,339492E+21	2,448632E+21	6,226353E+20	4,493786E+19	4,495453E+19	6,227880E+20	2,448936E+21
2343	5,339825E+21	8,520649E+21	1,083302E+22	1,083286E+22	8,520426E+21	5,339699E+21	2,448891E+21	6,228120E+20	4,497394E+19	4,496171E+19	6,227117E+20	2,448712E+21
2344	5,339447E+21	8,520239E+21	1,083295E+22	1,083312E+22	8,520648E+21	5,339816E+21	2,448900E+21	6,228168E+20	4,499330E+19	4,500450E+19	6,228869E+20	2,448971E+21
2345	5,339759E+21	8,520435E+21	1,083280E+22	1,083263E+22	8,520001E+21	5,339365E+21	2,448789E+21	6,228425E+20	4,501249E+19	4,502381E+19	6,229568E+20	2,449016E+21
2346	5,339629E+21	8,519964E+21	1,083193E+22	1,083199E+22	8,520025E+21	5,339696E+21	2,449145E+21	6,230773E+20	4,506191E+19	4,504910E+19	6,229246E+20	2,448801E+21
2347	5,339294E+21	8,519809E+21	1,083212E+22	1,083219E+22	8,520022E+21	5,339523E+21	2,448954E+21	6,230181E+20	4,507542E+19	4,508953E+19	6,231440E+20	2,449147E+21
2348	5,339561E+21	8,519745E+21	1,083158E+22	1,083131E+22	8,519299E+21	5,339273E+21	2,449027E+21	6,231358E+20	4,510681E+19	4,510406E+19	6,231255E+20	2,449017E+21
2349	5,339238E+21	8,519152E+21	1,083094E+22	1,083120E+22	8,519620E+21	5,339636E+21	2,449284E+21	6,232714E+20	4,513687E+19	4,512723E+19	6,231511E+20	2,448990E+21
2350	5,339262E+21	8,519378E+21	1,083127E+22	1,083135E+22	8,519452E+21	5,339240E+21	2,448959E+21	6,231397E+20	4,512812E+19	4,514214E+19	6,232986E+20	2,449289E+21
2351	5,339575E+21	8,519460E+21	1,083085E+22	1,083059E+22	8,519062E+21	5,339307E+21	2,449139E+21	6,232388E+20	4,513373E+19	4,512494E+19	6,231502E+20	2,449009E+21
2352	5,339236E+21	8,519223E+21	1,083109E+22	1,083127E+22	8,519580E+21	5,339546E+21	2,449171E+21	6,231987E+20	4,512406E+19	4,512112E+19	6,231693E+20	2,449086E+21
2353	5,339502E+21	8,519754E+21	1,083167E+22	1,083151E+22	8,519372E+21	5,339148E+21	2,448899E+21	6,230622E+20	4,509380E+19	4,510417E+19	6,231687E+20	2,449140E+21
2354	5,339509E+21	8,519615E+21	1,083139E+22	1,083140E+22	8,519668E+21	5,339543E+21	2,449145E+21	6,231485E+20	4,508744E+19	4,506837E+19	6,229698E+20	2,448812E+21
2355	5,339188E+21	8,519594E+21	1,083200E+22	1,083224E+22	8,520157E+21	5,339634E+21	2,448966E+21	6,229813E+20	4,505767E+19	4,506236E+19	6,230505E+20	2,449083E+21
2356	5,339625E+21	8,519974E+21	1,083208E+22	1,083197E+22	8,519722E+21	5,339359E+21	2,448877E+21	6,229204E+20	4,503018E+19	4,503385E+19	6,229507E+20	2,448962E+21
2357	5,339522E+21	8,519834E+21	1,083192E+22	1,083211E+22	8,520155E+21	5,339773E+21	2,449122E+21	6,230032E+20	4,503286E+19	4,501530E+19	6,228381E+20	2,448775E+21
2358	5,339446E+21	8,520174E+21	1,083267E+22	1,083271E+22	8,520286E+21	5,339517E+21	2,448793E+21	6,228226E+20	4,500499E+19	4,501965E+19	6,229559E+20	2,449052E+21
2359	5,339781E+21	8,520394E+21	1,083256E+22	1,083219E+22	8,519822E+21	5,339427E+21	2,448872E+21	6,228776E+20	4,500586E+19	4,499929E+19	6,228300E+20	2,448817E+21
2360	5,339427E+21	8,519963E+21	1,083244E+22	1,083265E+22	8,520334E+21	5,339737E+21	2,449022E+21	6,229397E+20	4,502289E+19	4,501781E+19	6,228734E+20	2,448849E+21
2361	5,339533E+21	8,520213E+21	1,083265E+22	1,083265E+22	8,520111E+21	5,339352E+21	2,448750E+21	6,228428E+20	4,501817E+19	4,503681E+19	6,230138E+20	2,449086E+21
2362	5,339673E+21	8,520016E+21	1,083196E+22	1,083183E+22	8,519855E+21	5,339557E+21	2,449040E+21	6,230383E+20	4,505714E+19	4,504444E+19	6,229283E+20	2,448835E+21
2363	5,339273E+21	8,519624E+21	1,083190E+22	1,083208E+22	8,520079E+21	5,339678E+21	2,449058E+21	6,230522E+20	4,507802E+19	4,508684E+19	6,231010E+20	2,449084E+21
2364	5,339551E+21	8,519770E+21	1,083164E+22	1,083143E+22	8,519334E+21	5,339198E+21	2,448947E+21	6,230913E+20	4,510312E+19	4,511203E+19	6,231851E+20	2,449126E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2365	5,339406E+21	8,519315E+21	1,083086E+22	1,083085E+22	8,519320E+21	5,339506E+21	2,449310E+21	6,233341E+20	4,515580E+19	4,514138E+19	6,231664E+20	2,448925E+21
2366	5,339041E+21	8,519036E+21	1,083092E+22	1,083108E+22	8,519403E+21	5,339325E+21	2,449089E+21	6,232691E+20	4,516985E+19	4,518255E+19	6,233890E+20	2,449291E+21
2367	5,339391E+21	8,519103E+21	1,083040E+22	1,083011E+22	8,518619E+21	5,339056E+21	2,449122E+21	6,233507E+20	4,519288E+19	4,519382E+19	6,233762E+20	2,449205E+21
2368	5,339143E+21	8,518592E+21	1,082987E+22	1,083008E+22	8,518950E+21	5,339405E+21	2,449367E+21	6,234683E+20	4,521429E+19	4,520745E+19	6,233703E+20	2,449139E+21
2369	5,339161E+21	8,518877E+21	1,083029E+22	1,083029E+22	8,518821E+21	5,339042E+21	2,449058E+21	6,233326E+20	4,520211E+19	4,521770E+19	6,234992E+20	2,449409E+21
2370	5,339452E+21	8,518999E+21	1,083007E+22	1,082977E+22	8,518531E+21	5,339132E+21	2,449245E+21	6,234304E+20	4,520477E+19	4,519446E+19	6,233243E+20	2,449073E+21
2371	5,339026E+21	8,518689E+21	1,083031E+22	1,083056E+22	8,519170E+21	5,339418E+21	2,449279E+21	6,233871E+20	4,519338E+19	4,518737E+19	6,233384E+20	2,449153E+21
2372	5,339255E+21	8,519092E+21	1,083066E+22	1,083062E+22	8,518936E+21	5,339052E+21	2,449015E+21	6,232521E+20	4,516482E+19	4,517404E+19	6,233511E+20	2,449234E+21
2373	5,339314E+21	8,519013E+21	1,083042E+22	1,083042E+22	8,519133E+21	5,339447E+21	2,449286E+21	6,233419E+20	4,515911E+19	4,513986E+19	6,231612E+20	2,448929E+21
2374	5,339030E+21	8,518983E+21	1,083097E+22	1,083125E+22	8,519613E+21	5,339498E+21	2,449093E+21	6,231765E+20	4,512894E+19	4,513311E+19	6,232337E+20	2,449188E+21
2375	5,339534E+21	8,519563E+21	1,083120E+22	1,083097E+22	8,519094E+21	5,339151E+21	2,448954E+21	6,230943E+20	4,509787E+19	4,510399E+19	6,231429E+20	2,449087E+21
2376	5,339426E+21	8,519426E+21	1,083114E+22	1,083122E+22	8,519551E+21	5,339535E+21	2,449186E+21	6,231785E+20	4,510048E+19	4,508420E+19	6,230219E+20	2,448872E+21
2377	5,339282E+21	8,519664E+21	1,083183E+22	1,083185E+22	8,519754E+21	5,339326E+21	2,448882E+21	6,230121E+20	4,507742E+19	4,509319E+19	6,231549E+20	2,449167E+21
2378	5,339608E+21	8,519812E+21	1,083169E+22	1,083140E+22	8,519359E+21	5,339271E+21	2,448971E+21	6,230784E+20	4,508317E+19	4,507631E+19	6,230348E+20	2,448935E+21
2379	5,339243E+21	8,519327E+21	1,083142E+22	1,083173E+22	8,519873E+21	5,339636E+21	2,449154E+21	6,231503E+20	4,510238E+19	4,509705E+19	6,230863E+20	2,448984E+21
2380	5,339363E+21	8,519551E+21	1,083147E+22	1,083148E+22	8,519504E+21	5,339231E+21	2,448908E+21	6,230758E+20	4,510429E+19	4,512214E+19	6,232377E+20	2,449218E+21
2381	5,339523E+21	8,519448E+21	1,083090E+22	1,083064E+22	8,519129E+21	5,339392E+21	2,449216E+21	6,232917E+20	4,514907E+19	4,513520E+19	6,231623E+20	2,448949E+21
2382	5,339055E+21	8,518942E+21	1,083077E+22	1,083096E+22	8,519417E+21	5,339490E+21	2,449218E+21	6,233122E+20	4,517251E+19	4,517886E+19	6,233336E+20	2,449181E+21
2383	5,339328E+21	8,519133E+21	1,083053E+22	1,083029E+22	8,518633E+21	5,338952E+21	2,449050E+21	6,233258E+20	4,519465E+19	4,520535E+19	6,234389E+20	2,449275E+21
2384	5,339194E+21	8,518605E+21	1,082970E+22	1,082972E+22	8,518651E+21	5,339263E+21	2,449396E+21	6,235531E+20	4,524207E+19	4,523008E+19	6,234093E+20	2,449082E+21
2385	5,338862E+21	8,518332E+21	1,082970E+22	1,082989E+22	8,518749E+21	5,339142E+21	2,449203E+21	6,234810E+20	4,525250E+19	4,526762E+19	6,236236E+20	2,449460E+21
2386	5,339279E+21	8,518518E+21	1,082937E+22	1,082908E+22	8,517996E+21	5,338864E+21	2,449237E+21	6,235583E+20	4,527121E+19	4,527230E+19	6,235822E+20	2,449330E+21
2387	5,339022E+21	8,518094E+21	1,082897E+22	1,082916E+22	8,518411E+21	5,339250E+21	2,449484E+21	6,236697E+20	4,528858E+19	4,527937E+19	6,235559E+20	2,449230E+21
2388	5,338981E+21	8,518339E+21	1,082936E+22	1,082932E+22	8,518267E+21	5,338911E+21	2,449195E+21	6,235437E+20	4,527863E+19	4,529114E+19	6,236839E+20	2,449484E+21
2389	5,339242E+21	8,518459E+21	1,082923E+22	1,082891E+22	8,518000E+21	5,339003E+21	2,449385E+21	6,236428E+20	4,528213E+19	4,526961E+19	6,235173E+20	2,449156E+21
2390	5,338788E+21	8,518014E+21	1,082930E+22	1,082969E+22	8,518732E+21	5,339311E+21	2,449403E+21	6,235916E+20	4,526951E+19	4,526182E+19	6,235294E+20	2,449249E+21
2391	5,339096E+21	8,518535E+21	1,082964E+22	1,082961E+22	8,518376E+21	5,338896E+21	2,449102E+21	6,234266E+20	4,523418E+19	4,524703E+19	6,235553E+20	2,449382E+21
2392	5,339224E+21	8,518529E+21	1,082949E+22	1,082945E+22	8,518518E+21	5,339234E+21	2,449357E+21	6,235080E+20	4,522380E+19	4,520719E+19	6,233462E+20	2,449055E+21
2393	5,338942E+21	8,518544E+21	1,083009E+22	1,083029E+22	8,519009E+21	5,339304E+21	2,449179E+21	6,233496E+20	4,519494E+19	4,520090E+19	6,234156E+20	2,449296E+21
2394	5,339411E+21	8,519118E+21	1,083048E+22	1,083022E+22	8,518569E+21	5,338959E+21	2,449041E+21	6,232762E+20	4,516654E+19	4,517166E+19	6,233189E+20	2,449166E+21
2395	5,339243E+21	8,518912E+21	1,083035E+22	1,083051E+22	8,519128E+21	5,339387E+21	2,449275E+21	6,233659E+20	4,517217E+19	4,515441E+19	6,232079E+20	2,448962E+21
2396	5,339057E+21	8,519008E+21	1,083077E+22	1,083088E+22	8,519268E+21	5,339228E+21	2,449013E+21	6,232221E+20	4,515625E+19	4,517105E+19	6,233605E+20	2,449285E+21
2397	5,339429E+21	8,519195E+21	1,083064E+22	1,083035E+22	8,518783E+21	5,339172E+21	2,449132E+21	6,233036E+20	4,516713E+19	4,516021E+19	6,232570E+20	2,449067E+21
2398	5,339076E+21	8,518671E+21	1,083028E+22	1,083063E+22	8,519276E+21	5,339498E+21	2,449311E+21	6,233869E+20	4,518909E+19	4,518287E+19	6,233040E+20	2,449093E+21
2399	5,339216E+21	8,519008E+21	1,083038E+22	1,083030E+22	8,518790E+21	5,339022E+21	2,449028E+21	6,233005E+20	4,519034E+19	4,520998E+19	6,234737E+20	2,449353E+21
2400	5,339354E+21	8,518868E+21	1,082989E+22	1,082957E+22	8,518412E+21	5,339131E+21	2,449318E+21	6,235149E+20	4,523411E+19	4,522190E+19	6,233955E+20	2,449076E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2401	5,338846E+21	8,518269E+21	1,082964E+22	1,082985E+22	8,518743E+21	5,339264E+21	2,449329E+21	6,235402E+20	4,525997E+19	4,526788E+19	6,235771E+20	2,449330E+21
2402	5,339123E+21	8,518427E+21	1,082943E+22	1,082926E+22	8,518026E+21	5,338757E+21	2,449161E+21	6,235503E+20	4,528161E+19	4,529304E+19	6,236774E+20	2,449430E+21
2403	5,339039E+21	8,517962E+21	1,082857E+22	1,082864E+22	8,518060E+21	5,339098E+21	2,449510E+21	6,237684E+20	4,532527E+19	4,531369E+19	6,236360E+20	2,449231E+21
2404	5,338722E+21	8,517723E+21	1,082854E+22	1,082869E+22	8,518071E+21	5,338980E+21	2,449350E+21	6,237115E+20	4,533764E+19	4,535103E+19	6,238395E+20	2,449584E+21
2405	5,339145E+21	8,518021E+21	1,082843E+22	1,082804E+22	8,517343E+21	5,338700E+21	2,449390E+21	6,237922E+20	4,535673E+19	4,535570E+19	6,237906E+20	2,449416E+21
2406	5,338805E+21	8,517495E+21	1,082801E+22	1,082825E+22	8,517877E+21	5,339098E+21	2,449625E+21	6,238992E+20	4,537230E+19	4,535928E+19	6,237505E+20	2,449290E+21
2407	5,338753E+21	8,517759E+21	1,082840E+22	1,082839E+22	8,517723E+21	5,338743E+21	2,449296E+21	6,237445E+20	4,535642E+19	4,536964E+19	6,238935E+20	2,449594E+21
2408	5,339030E+21	8,517824E+21	1,082824E+22	1,082800E+22	8,517474E+21	5,338831E+21	2,449469E+21	6,238216E+20	4,535201E+19	4,534185E+19	6,237166E+20	2,449284E+21
2409	5,338630E+21	8,517403E+21	1,082823E+22	1,082867E+22	8,518181E+21	5,339170E+21	2,449506E+21	6,237644E+20	4,533624E+19	4,533114E+19	6,237223E+20	2,449385E+21
2410	5,338986E+21	8,518028E+21	1,082876E+22	1,082874E+22	8,517838E+21	5,338727E+21	2,449194E+21	6,235954E+20	4,529776E+19	4,531142E+19	6,237280E+20	2,449490E+21
2411	5,339130E+21	8,518120E+21	1,082871E+22	1,082864E+22	8,518019E+21	5,339072E+21	2,449440E+21	6,236740E+20	4,528666E+19	4,526883E+19	6,235099E+20	2,449140E+21
2412	5,338790E+21	8,518081E+21	1,082926E+22	1,082942E+22	8,518468E+21	5,339156E+21	2,449298E+21	6,235422E+20	4,526496E+19	4,526855E+19	6,235900E+20	2,449381E+21
2413	5,339239E+21	8,518630E+21	1,082968E+22	1,082941E+22	8,518071E+21	5,338822E+21	2,449164E+21	6,234833E+20	4,524380E+19	4,524686E+19	6,235148E+20	2,449265E+21
2414	5,339038E+21	8,518279E+21	1,082935E+22	1,082963E+22	8,518684E+21	5,339285E+21	2,449404E+21	6,235764E+20	4,525217E+19	4,523356E+19	6,234122E+20	2,449077E+21
2415	5,338920E+21	8,518459E+21	1,082971E+22	1,082981E+22	8,518662E+21	5,339074E+21	2,449124E+21	6,234209E+20	4,523481E+19	4,525310E+19	6,235856E+20	2,449437E+21
2416	5,339317E+21	8,518668E+21	1,082962E+22	1,082928E+22	8,518101E+21	5,338941E+21	2,449232E+21	6,235060E+20	4,524527E+19	4,524137E+19	6,234766E+20	2,449200E+21
2417	5,338938E+21	8,518128E+21	1,082923E+22	1,082952E+22	8,518594E+21	5,339291E+21	2,449431E+21	6,236024E+20	4,527054E+19	4,526649E+19	6,235266E+20	2,449206E+21
2418	5,339005E+21	8,518394E+21	1,082943E+22	1,082937E+22	8,518165E+21	5,338801E+21	2,449143E+21	6,235253E+20	4,527504E+19	4,529396E+19	6,236939E+20	2,449456E+21
2419	5,339116E+21	8,518192E+21	1,082883E+22	1,082860E+22	8,517856E+21	5,338944E+21	2,449429E+21	6,237390E+20	4,531995E+19	4,530678E+19	6,236229E+20	2,449195E+21
2420	5,338597E+21	8,517511E+21	1,082838E+22	1,082866E+22	8,518101E+21	5,339119E+21	2,449483E+21	6,237824E+20	4,535027E+19	4,535650E+19	6,238123E+20	2,449474E+21
2421	5,338944E+21	8,517761E+21	1,082824E+22	1,082807E+22	8,517356E+21	5,338612E+21	2,449328E+21	6,237986E+20	4,537374E+19	4,538370E+19	6,239142E+20	2,449571E+21
2422	5,338873E+21	8,517324E+21	1,082741E+22	1,082751E+22	8,517438E+21	5,338940E+21	2,449663E+21	6,240100E+20	4,541473E+19	4,540097E+19	6,238547E+20	2,449343E+21
2423	5,338586E+21	8,517213E+21	1,082751E+22	1,082757E+22	8,517381E+21	5,338776E+21	2,449472E+21	6,239349E+20	4,542291E+19	4,543658E+19	6,240649E+20	2,449705E+21
2424	5,338970E+21	8,517473E+21	1,082751E+22	1,082711E+22	8,516725E+21	5,338468E+21	2,449491E+21	6,240015E+20	4,543634E+19	4,543656E+19	6,240056E+20	2,449527E+21
2425	5,338596E+21	8,516870E+21	1,082700E+22	1,082731E+22	8,517344E+21	5,338924E+21	2,449727E+21	6,240990E+20	4,544962E+19	4,543818E+19	6,239659E+20	2,449416E+21
2426	5,338539E+21	8,517099E+21	1,082742E+22	1,082752E+22	8,517238E+21	5,338603E+21	2,449398E+21	6,239300E+20	4,542859E+19	4,544312E+19	6,240936E+20	2,449725E+21
2427	5,338893E+21	8,517264E+21	1,082725E+22	1,082706E+22	8,516971E+21	5,338694E+21	2,449566E+21	6,239920E+20	4,541800E+19	4,540893E+19	6,239021E+20	2,449409E+21
2428	5,338518E+21	8,516909E+21	1,082724E+22	1,082760E+22	8,517559E+21	5,339017E+21	2,449633E+21	6,239538E+20	4,540505E+19	4,539841E+19	6,238979E+20	2,449491E+21
2429	5,338882E+21	8,517628E+21	1,082796E+22	1,082783E+22	8,517274E+21	5,338576E+21	2,449320E+21	6,237934E+20	4,536973E+19	4,538111E+19	6,239042E+20	2,449568E+21
2430	5,338955E+21	8,517631E+21	1,082790E+22	1,082786E+22	8,517551E+21	5,338913E+21	2,449543E+21	6,238697E+20	4,536037E+19	4,533973E+19	6,236851E+20	2,449210E+21
2431	5,338615E+21	8,517575E+21	1,082838E+22	1,082854E+22	8,517947E+21	5,338977E+21	2,449382E+21	6,237284E+20	4,533837E+19	4,534338E+19	6,237917E+20	2,449499E+21
2432	5,339065E+21	8,518059E+21	1,082874E+22	1,082853E+22	8,517561E+21	5,338644E+21	2,449248E+21	6,236604E+20	4,531427E+19	4,532037E+19	6,237169E+20	2,449396E+21
2433	5,338893E+21	8,517705E+21	1,082830E+22	1,082860E+22	8,518113E+21	5,339131E+21	2,449516E+21	6,237635E+20	4,532458E+19	4,530917E+19	6,236188E+20	2,449204E+21
2434	5,338762E+21	8,517907E+21	1,082879E+22	1,082887E+22	8,518089E+21	5,338906E+21	2,449243E+21	6,236185E+20	4,530880E+19	4,532755E+19	6,237800E+20	2,449536E+21
2435	5,339154E+21	8,518153E+21	1,082870E+22	1,082834E+22	8,517542E+21	5,338770E+21	2,449349E+21	6,237114E+20	4,532238E+19	4,531739E+19	6,236771E+20	2,449290E+21
2436	5,338711E+21	8,517505E+21	1,082817E+22	1,082844E+22	8,517953E+21	5,339119E+21	2,449586E+21	6,238415E+20	4,535679E+19	4,535006E+19	6,237445E+20	2,449316E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2437	5,338773E+21	8,517719E+21	1,082833E+22	1,082832E+22	8,517581E+21	5,338645E+21	2,449296E+21	6,237779E+20	4,536885E+19	4,538521E+19	6,239337E+20	2,449589E+21
2438	5,338885E+21	8,517436E+21	1,082759E+22	1,082748E+22	8,517274E+21	5,338793E+21	2,449573E+21	6,239843E+20	4,541398E+19	4,539987E+19	6,238656E+20	2,449350E+21
2439	5,338466E+21	8,516891E+21	1,082716E+22	1,082738E+22	8,517352E+21	5,338899E+21	2,449610E+21	6,240158E+20	4,544110E+19	4,544956E+19	6,240661E+20	2,449651E+21
2440	5,338835E+21	8,517216E+21	1,082717E+22	1,082692E+22	8,516619E+21	5,338351E+21	2,449437E+21	6,240224E+20	4,546008E+19	4,547246E+19	6,241510E+20	2,449714E+21
2441	5,338729E+21	8,516784E+21	1,082639E+22	1,082642E+22	8,516768E+21	5,338726E+21	2,449780E+21	6,242304E+20	4,549936E+19	4,548759E+19	6,240842E+20	2,449458E+21
2442	5,338362E+21	8,516610E+21	1,082662E+22	1,082670E+22	8,516825E+21	5,338583E+21	2,449587E+21	6,241497E+20	4,550455E+19	4,551753E+19	6,242756E+20	2,449803E+21
2443	5,338739E+21	8,516829E+21	1,082651E+22	1,082622E+22	8,516272E+21	5,338329E+21	2,449596E+21	6,241983E+20	4,551227E+19	4,551256E+19	6,242094E+20	2,449633E+21
2444	5,338368E+21	8,516180E+21	1,082585E+22	1,082623E+22	8,516798E+21	5,338820E+21	2,449872E+21	6,243038E+20	4,552493E+19	4,551208E+19	6,241636E+20	2,449542E+21
2445	5,338386E+21	8,516513E+21	1,082638E+22	1,082647E+22	8,516677E+21	5,338481E+21	2,449541E+21	6,241365E+20	4,550362E+19	4,551607E+19	6,242814E+20	2,449833E+21
2446	5,338748E+21	8,516728E+21	1,082628E+22	1,082610E+22	8,516436E+21	5,338548E+21	2,449688E+21	6,241867E+20	4,548950E+19	4,547779E+19	6,240737E+20	2,449502E+21
2447	5,338422E+21	8,516514E+21	1,082641E+22	1,082664E+22	8,516929E+21	5,338803E+21	2,449723E+21	6,241359E+20	4,547456E+19	4,546797E+19	6,240824E+20	2,449595E+21
2448	5,338743E+21	8,517193E+21	1,082722E+22	1,082704E+22	8,516724E+21	5,338340E+21	2,449392E+21	6,239691E+20	4,543741E+19	4,545004E+19	6,240891E+20	2,449672E+21
2449	5,338788E+21	8,517113E+21	1,082705E+22	1,082704E+22	8,517091E+21	5,338750E+21	2,449620E+21	6,240421E+20	4,542957E+19	4,541154E+19	6,238823E+20	2,449330E+21
2450	5,338436E+21	8,517010E+21	1,082752E+22	1,082775E+22	8,517502E+21	5,338841E+21	2,449475E+21	6,239025E+20	4,540700E+19	4,541385E+19	6,239809E+20	2,449619E+21
2451	5,338934E+21	8,517537E+21	1,082781E+22	1,082764E+22	8,517087E+21	5,338509E+21	2,449351E+21	6,238367E+20	4,538268E+19	4,538987E+19	6,239028E+20	2,449500E+21
2452	5,338736E+21	8,517172E+21	1,082730E+22	1,082753E+22	8,517500E+21	5,338984E+21	2,449665E+21	6,239765E+20	4,540120E+19	4,538427E+19	6,238121E+20	2,449301E+21
2453	5,338574E+21	8,517351E+21	1,082783E+22	1,082788E+22	8,517507E+21	5,338757E+21	2,449400E+21	6,238559E+20	4,539424E+19	4,540964E+19	6,239857E+20	2,449613E+21
2454	5,338890E+21	8,517474E+21	1,082764E+22	1,082735E+22	8,517003E+21	5,338610E+21	2,449492E+21	6,239527E+20	4,541220E+19	4,540423E+19	6,238986E+20	2,449400E+21
2455	5,338499E+21	8,516828E+21	1,082700E+22	1,082726E+22	8,517277E+21	5,338902E+21	2,449703E+21	6,240754E+20	4,544759E+19	4,544251E+19	6,239976E+20	2,449485E+21
2456	5,338598E+21	8,517031E+21	1,082714E+22	1,082714E+22	8,516888E+21	5,338414E+21	2,449408E+21	6,240022E+20	4,545686E+19	4,547662E+19	6,241869E+20	2,449772E+21
2457	5,338760E+21	8,516806E+21	1,082639E+22	1,082624E+22	8,516566E+21	5,338574E+21	2,449686E+21	6,242035E+20	4,550051E+19	4,549069E+19	6,241142E+20	2,449517E+21
2458	5,338327E+21	8,516329E+21	1,082617E+22	1,082632E+22	8,516691E+21	5,338677E+21	2,449724E+21	6,242351E+20	4,552513E+19	4,553432E+19	6,242886E+20	2,449778E+21
2459	5,338684E+21	8,516693E+21	1,082624E+22	1,082595E+22	8,516049E+21	5,338166E+21	2,449555E+21	6,242373E+20	4,554188E+19	4,555384E+19	6,243628E+20	2,449808E+21
2460	5,338495E+21	8,516158E+21	1,082538E+22	1,082539E+22	8,516170E+21	5,338569E+21	2,449936E+21	6,244667E+20	4,558470E+19	4,557023E+19	6,242990E+20	2,449564E+21
2461	5,338120E+21	8,515921E+21	1,082555E+22	1,082573E+22	8,516336E+21	5,338480E+21	2,449745E+21	6,243881E+20	4,559178E+19	4,560123E+19	6,244896E+20	2,449910E+21
2462	5,338508E+21	8,516115E+21	1,082536E+22	1,082518E+22	8,515774E+21	5,338226E+21	2,449740E+21	6,244157E+20	4,559377E+19	4,559266E+19	6,244162E+20	2,449765E+21
2463	5,338255E+21	8,515622E+21	1,082475E+22	1,082503E+22	8,516092E+21	5,338612E+21	2,449983E+21	6,245032E+20	4,560108E+19	4,558919E+19	6,243724E+20	2,449689E+21
2464	5,338296E+21	8,516051E+21	1,082547E+22	1,082546E+22	8,516016E+21	5,338235E+21	2,449627E+21	6,243202E+20	4,557361E+19	4,558769E+19	6,244709E+20	2,449946E+21
2465	5,338626E+21	8,516282E+21	1,082547E+22	1,082520E+22	8,515856E+21	5,338329E+21	2,449760E+21	6,243616E+20	4,555825E+19	4,554823E+19	6,242605E+20	2,449594E+21
2466	5,338229E+21	8,516026E+21	1,082573E+22	1,082596E+22	8,516463E+21	5,338607E+21	2,449795E+21	6,243094E+20	4,554188E+19	4,553487E+19	6,242574E+20	2,449683E+21
2467	5,338559E+21	8,516664E+21	1,082641E+22	1,082632E+22	8,516368E+21	5,338227E+21	2,449473E+21	6,241328E+20	4,550210E+19	4,551510E+19	6,242615E+20	2,449758E+21
2468	5,338590E+21	8,516521E+21	1,082608E+22	1,082609E+22	8,516618E+21	5,338666E+21	2,449755E+21	6,242282E+20	4,549814E+19	4,547934E+19	6,240622E+20	2,449441E+21
2469	5,338288E+21	8,516455E+21	1,082655E+22	1,082680E+22	8,517030E+21	5,338756E+21	2,449626E+21	6,241087E+20	4,548095E+19	4,548543E+19	6,241589E+20	2,449699E+21
2470	5,338751E+21	8,516972E+21	1,082683E+22	1,082667E+22	8,516587E+21	5,338395E+21	2,449493E+21	6,240469E+20	4,545930E+19	4,546396E+19	6,240884E+20	2,449594E+21
2471	5,338588E+21	8,516653E+21	1,082634E+22	1,082644E+22	8,516816E+21	5,338769E+21	2,449785E+21	6,241927E+20	4,548225E+19	4,546567E+19	6,240301E+20	2,449428E+21
2472	5,338394E+21	8,516756E+21	1,082686E+22	1,082689E+22	8,516869E+21	5,338508E+21	2,449502E+21	6,240736E+20	4,547745E+19	4,549471E+19	6,242177E+20	2,449759E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2473	5,338704E+21	8,516807E+21	1,082653E+22	1,082627E+22	8,516395E+21	5,338404E+21	2,449587E+21	6,241671E+20	4,549835E+19	4,549430E+19	6,241506E+20	2,449574E+21
2474	5,338333E+21	8,516193E+21	1,082595E+22	1,082619E+22	8,516634E+21	5,338687E+21	2,449804E+21	6,242875E+20	4,553176E+19	4,552970E+19	6,242366E+20	2,449659E+21
2475	5,338502E+21	8,516486E+21	1,082608E+22	1,082602E+22	8,516253E+21	5,338219E+21	2,449520E+21	6,242139E+20	4,553942E+19	4,556046E+19	6,244092E+20	2,449902E+21
2476	5,338613E+21	8,516258E+21	1,082535E+22	1,082509E+22	8,515882E+21	5,338391E+21	2,449839E+21	6,244408E+20	4,558737E+19	4,557643E+19	6,243341E+20	2,449628E+21
2477	5,338135E+21	8,515744E+21	1,082517E+22	1,082533E+22	8,516123E+21	5,338522E+21	2,449887E+21	6,244916E+20	4,561787E+19	4,562236E+19	6,245034E+20	2,449845E+21
2478	5,338389E+21	8,515963E+21	1,082515E+22	1,082497E+22	8,515560E+21	5,338045E+21	2,449715E+21	6,244876E+20	4,563390E+19	4,564189E+19	6,245826E+20	2,449908E+21
2479	5,338253E+21	8,515424E+21	1,082419E+22	1,082423E+22	8,515537E+21	5,338401E+21	2,450070E+21	6,246971E+20	4,567236E+19	4,565812E+19	6,245361E+20	2,449714E+21
2480	5,337928E+21	8,515210E+21	1,082437E+22	1,082458E+22	8,515674E+21	5,338278E+21	2,449866E+21	6,245996E+20	4,567246E+19	4,568358E+19	6,247119E+20	2,450057E+21
2481	5,338367E+21	8,515503E+21	1,082424E+22	1,082403E+22	8,515118E+21	5,338029E+21	2,449841E+21	6,246094E+20	4,566876E+19	4,567060E+19	6,246283E+20	2,449902E+21
2482	5,338127E+21	8,515149E+21	1,082392E+22	1,082409E+22	8,515469E+21	5,338383E+21	2,450060E+21	6,246831E+20	4,567042E+19	4,565867E+19	6,245559E+20	2,449798E+21
2483	5,338186E+21	8,515634E+21	1,082472E+22	1,082465E+22	8,515510E+21	5,338053E+21	2,449705E+21	6,244908E+20	4,563932E+19	4,565298E+19	6,246401E+20	2,450022E+21
2484	5,338442E+21	8,515776E+21	1,082467E+22	1,082441E+22	8,515384E+21	5,338185E+21	2,449867E+21	6,245470E+20	4,562725E+19	4,561569E+19	6,244377E+20	2,449691E+21
2485	5,338052E+21	8,515464E+21	1,082485E+22	1,082519E+22	8,516104E+21	5,338529E+21	2,449914E+21	6,245047E+20	4,561497E+19	4,560533E+19	6,244353E+20	2,449770E+21
2486	5,338371E+21	8,516061E+21	1,082543E+22	1,082544E+22	8,515974E+21	5,338172E+21	2,449607E+21	6,243233E+20	4,557344E+19	4,558536E+19	6,244415E+20	2,449871E+21
2487	5,338490E+21	8,516021E+21	1,082510E+22	1,082501E+22	8,515975E+21	5,338491E+21	2,449870E+21	6,244197E+20	4,557067E+19	4,555326E+19	6,242616E+20	2,449573E+21
2488	5,338180E+21	8,515969E+21	1,082565E+22	1,082581E+22	8,516387E+21	5,338534E+21	2,449730E+21	6,243040E+20	4,555435E+19	4,556096E+19	6,243576E+20	2,449803E+21
2489	5,338582E+21	8,516432E+21	1,082591E+22	1,082570E+22	8,515978E+21	5,338186E+21	2,449585E+21	6,242461E+20	4,553684E+19	4,554416E+19	6,243059E+20	2,449708E+21
2490	5,338375E+21	8,516068E+21	1,082547E+22	1,082555E+22	8,516231E+21	5,338539E+21	2,449865E+21	6,243938E+20	4,556117E+19	4,554608E+19	6,242481E+20	2,449564E+21
2491	5,338227E+21	8,516143E+21	1,082584E+22	1,082590E+22	8,516338E+21	5,338343E+21	2,449597E+21	6,242713E+20	4,555577E+19	4,557458E+19	6,244334E+20	2,449892E+21
2492	5,338531E+21	8,516160E+21	1,082541E+22	1,082513E+22	8,515754E+21	5,338244E+21	2,449728E+21	6,243890E+20	4,558166E+19	4,557769E+19	6,243730E+20	2,449720E+21
2493	5,338196E+21	8,515596E+21	1,082485E+22	1,082511E+22	8,516054E+21	5,338545E+21	2,449958E+21	6,245304E+20	4,562042E+19	4,561511E+19	6,244482E+20	2,449754E+21
2494	5,338304E+21	8,515880E+21	1,082503E+22	1,082496E+22	8,515694E+21	5,338096E+21	2,449684E+21	6,244607E+20	4,562978E+19	4,564690E+19	6,246229E+20	2,450001E+21
2495	5,338417E+21	8,515642E+21	1,082429E+22	1,082395E+22	8,515166E+21	5,338181E+21	2,449988E+21	6,246914E+20	4,568023E+19	4,566835E+19	6,245749E+20	2,449754E+21
2496	5,337906E+21	8,515040E+21	1,082408E+22	1,082428E+22	8,515496E+21	5,338311E+21	2,450020E+21	6,247345E+20	4,570916E+19	4,571390E+19	6,247457E+20	2,449976E+21
2497	5,338150E+21	8,515205E+21	1,082393E+22	1,082384E+22	8,514960E+21	5,337880E+21	2,449834E+21	6,247126E+20	4,572235E+19	4,573347E+19	6,248341E+20	2,450069E+21
2498	5,338063E+21	8,514757E+21	1,082310E+22	1,082311E+22	8,514865E+21	5,338192E+21	2,450172E+21	6,249011E+20	4,575230E+19	4,574040E+19	6,247621E+20	2,449880E+21
2499	5,337841E+21	8,514685E+21	1,082334E+22	1,082349E+22	8,515031E+21	5,338079E+21	2,449959E+21	6,247873E+20	4,574543E+19	4,575728E+19	6,249051E+20	2,450168E+21
2500	5,338235E+21	8,515013E+21	1,082332E+22	1,082302E+22	8,514479E+21	5,337838E+21	2,449955E+21	6,248065E+20	4,574147E+19	4,574228E+19	6,248133E+20	2,449999E+21
2501	5,337978E+21	8,514669E+21	1,082310E+22	1,082329E+22	8,515005E+21	5,338232E+21	2,450172E+21	6,248886E+20	4,574592E+19	4,572968E+19	6,247292E+20	2,449856E+21
2502	5,337963E+21	8,515065E+21	1,082386E+22	1,082389E+22	8,515140E+21	5,337970E+21	2,449827E+21	6,246888E+20	4,571284E+19	4,572329E+19	6,248171E+20	2,450114E+21
2503	5,338269E+21	8,515194E+21	1,082372E+22	1,082348E+22	8,514866E+21	5,338054E+21	2,449975E+21	6,247324E+20	4,569872E+19	4,568811E+19	6,246343E+20	2,449824E+21
2504	5,337923E+21	8,514910E+21	1,082390E+22	1,082426E+22	8,515559E+21	5,338374E+21	2,450022E+21	6,246829E+20	4,568316E+19	4,567573E+19	6,246219E+20	2,449883E+21
2505	5,338240E+21	8,515536E+21	1,082447E+22	1,082446E+22	8,515419E+21	5,338022E+21	2,449705E+21	6,244991E+20	4,564136E+19	4,565633E+19	6,246315E+20	2,449974E+21
2506	5,338339E+21	8,515574E+21	1,082434E+22	1,082414E+22	8,515372E+21	5,338284E+21	2,449951E+21	6,245956E+20	4,563836E+19	4,562194E+19	6,244456E+20	2,449679E+21
2507	5,338050E+21	8,515506E+21	1,082483E+22	1,082496E+22	8,515841E+21	5,338351E+21	2,449821E+21	6,244875E+20	4,562428E+19	4,563083E+19	6,245398E+20	2,449885E+21
2508	5,338372E+21	8,515840E+21	1,082498E+22	1,082479E+22	8,515447E+21	5,338029E+21	2,449704E+21	6,244546E+20	4,561474E+19	4,562113E+19	6,245133E+20	2,449837E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2509	5,338207E+21	8,515441E+21	1,082442E+22	1,082461E+22	8,515759E+21	5,338410E+21	2,449987E+21	6,246174E+20	4,564620E+19	4,562904E+19	6,244614E+20	2,449683E+21
2510	5,338050E+21	8,515499E+21	1,082471E+22	1,082483E+22	8,515785E+21	5,338235E+21	2,449751E+21	6,245022E+20	4,564196E+19	4,565898E+19	6,246514E+20	2,450032E+21
2511	5,338413E+21	8,515584E+21	1,082430E+22	1,082392E+22	8,515010E+21	5,338028E+21	2,449862E+21	6,246241E+20	4,567081E+19	4,566744E+19	6,246090E+20	2,449860E+21
2512	5,338046E+21	8,515022E+21	1,082382E+22	1,082400E+22	8,515339E+21	5,338311E+21	2,450090E+21	6,247704E+20	4,571107E+19	4,570661E+19	6,246825E+20	2,449858E+21
2513	5,338064E+21	8,515203E+21	1,082393E+22	1,082388E+22	8,515057E+21	5,337908E+21	2,449817E+21	6,247042E+20	4,572322E+19	4,574152E+19	6,248722E+20	2,450114E+21
2514	5,338139E+21	8,514931E+21	1,082324E+22	1,082292E+22	8,514542E+21	5,337974E+21	2,450099E+21	6,249214E+20	4,576974E+19	4,575941E+19	6,248218E+20	2,449908E+21
2515	5,337713E+21	8,514323E+21	1,082287E+22	1,082316E+22	8,514901E+21	5,338153E+21	2,450135E+21	6,249473E+20	4,579243E+19	4,579843E+19	6,249725E+20	2,450112E+21
2516	5,337963E+21	8,514508E+21	1,082272E+22	1,082264E+22	8,514286E+21	5,337715E+21	2,449975E+21	6,249307E+20	4,580359E+19	4,581528E+19	6,250546E+20	2,450221E+21
2517	5,337946E+21	8,514182E+21	1,082201E+22	1,082204E+22	8,514268E+21	5,338016E+21	2,450295E+21	6,251187E+20	4,583275E+19	4,581782E+19	6,249559E+20	2,449977E+21
2518	5,337686E+21	8,514174E+21	1,082240E+22	1,082252E+22	8,514471E+21	5,337942E+21	2,450095E+21	6,249990E+20	4,582291E+19	4,583093E+19	6,250895E+20	2,450264E+21
2519	5,338089E+21	8,514515E+21	1,082245E+22	1,082207E+22	8,513854E+21	5,337631E+21	2,450064E+21	6,250119E+20	4,581859E+19	4,581843E+19	6,250142E+20	2,450114E+21
2520	5,337815E+21	8,514135E+21	1,082224E+22	1,082249E+22	8,514502E+21	5,338053E+21	2,450266E+21	6,250806E+20	4,582057E+19	4,580491E+19	6,249277E+20	2,449967E+21
2521	5,337787E+21	8,514480E+21	1,082289E+22	1,082299E+22	8,514682E+21	5,337866E+21	2,449928E+21	6,248688E+20	4,578456E+19	4,579812E+19	6,250199E+20	2,450236E+21
2522	5,338121E+21	8,514696E+21	1,082287E+22	1,082259E+22	8,514312E+21	5,337889E+21	2,450059E+21	6,248973E+20	4,576391E+19	4,575580E+19	6,248202E+20	2,449956E+21
2523	5,337853E+21	8,514490E+21	1,082304E+22	1,082336E+22	8,515021E+21	5,338213E+21	2,450107E+21	6,248450E+20	4,574553E+19	4,573903E+19	6,247840E+20	2,449952E+21
2524	5,338073E+21	8,515057E+21	1,082365E+22	1,082359E+22	8,514855E+21	5,337854E+21	2,449819E+21	6,246860E+20	4,570960E+19	4,572365E+19	6,248051E+20	2,450052E+21
2525	5,338149E+21	8,515031E+21	1,082348E+22	1,082336E+22	8,514922E+21	5,338134E+21	2,450065E+21	6,248030E+20	4,571489E+19	4,569432E+19	6,246256E+20	2,449744E+21
2526	5,337811E+21	8,514882E+21	1,082386E+22	1,082409E+22	8,515402E+21	5,338260E+21	2,449955E+21	6,246997E+20	4,570332E+19	4,570720E+19	6,247374E+20	2,450000E+21
2527	5,338191E+21	8,515188E+21	1,082386E+22	1,082369E+22	8,514814E+21	5,337862E+21	2,449829E+21	6,246702E+20	4,569769E+19	4,570460E+19	6,247409E+20	2,449996E+21
2528	5,338082E+21	8,514843E+21	1,082332E+22	1,082351E+22	8,515098E+21	5,338213E+21	2,450108E+21	6,248320E+20	4,572929E+19	4,571429E+19	6,246867E+20	2,449820E+21
2529	5,337909E+21	8,514919E+21	1,082361E+22	1,082370E+22	8,515131E+21	5,338055E+21	2,449875E+21	6,247239E+20	4,572750E+19	4,574670E+19	6,248827E+20	2,450151E+21
2530	5,338228E+21	8,515052E+21	1,082337E+22	1,082290E+22	8,514321E+21	5,337794E+21	2,449970E+21	6,248437E+20	4,575589E+19	4,575413E+19	6,248407E+20	2,449992E+21
2531	5,337876E+21	8,514441E+21	1,082282E+22	1,082301E+22	8,514732E+21	5,338116E+21	2,450204E+21	6,249918E+20	4,579610E+19	4,579209E+19	6,249057E+20	2,449958E+21
2532	5,337801E+21	8,514475E+21	1,082280E+22	1,082283E+22	8,514465E+21	5,337753E+21	2,449961E+21	6,249413E+20	4,581244E+19	4,583056E+19	6,251116E+20	2,450261E+21
2533	5,337939E+21	8,514198E+21	1,082201E+22	1,082184E+22	8,513997E+21	5,337842E+21	2,450245E+21	6,251602E+20	4,585991E+19	4,584800E+19	6,250523E+20	2,450045E+21
2534	5,337545E+21	8,513669E+21	1,082166E+22	1,082196E+22	8,514269E+21	5,338024E+21	2,450295E+21	6,251794E+20	4,587840E+19	4,588222E+19	6,251910E+20	2,450258E+21
2535	5,337847E+21	8,513946E+21	1,082160E+22	1,082141E+22	8,513513E+21	5,337479E+21	2,450102E+21	6,251579E+20	4,588859E+19	4,589973E+19	6,252766E+20	2,450358E+21
2536	5,337824E+21	8,513688E+21	1,082108E+22	1,082104E+22	8,513586E+21	5,337770E+21	2,450397E+21	6,253317E+20	4,591466E+19	4,589968E+19	6,251655E+20	2,450074E+21
2537	5,337488E+21	8,513611E+21	1,082148E+22	1,082161E+22	8,513919E+21	5,337762E+21	2,450201E+21	6,252076E+20	4,590364E+19	4,591195E+19	6,253015E+20	2,450361E+21
2538	5,337862E+21	8,513957E+21	1,082161E+22	1,082127E+22	8,513360E+21	5,337456E+21	2,450144E+21	6,251941E+20	4,589136E+19	4,589292E+19	6,252166E+20	2,450243E+21
2539	5,337673E+21	8,513594E+21	1,082131E+22	1,082161E+22	8,514034E+21	5,337932E+21	2,450358E+21	6,252470E+20	4,588638E+19	4,587164E+19	6,251024E+20	2,450057E+21
2540	5,337612E+21	8,513922E+21	1,082194E+22	1,082207E+22	8,514173E+21	5,337760E+21	2,450057E+21	6,250466E+20	4,584980E+19	4,586326E+19	6,251898E+20	2,450333E+21
2541	5,337987E+21	8,514200E+21	1,082197E+22	1,082176E+22	8,513868E+21	5,337764E+21	2,450173E+21	6,250820E+20	4,583165E+19	4,582033E+19	6,249784E+20	2,450016E+21
2542	5,337677E+21	8,514003E+21	1,082218E+22	1,082249E+22	8,514530E+21	5,338105E+21	2,450242E+21	6,250393E+20	4,581551E+19	4,580553E+19	6,249524E+20	2,450035E+21
2543	5,337886E+21	8,514501E+21	1,082273E+22	1,082266E+22	8,514265E+21	5,337661E+21	2,449933E+21	6,248898E+20	4,578548E+19	4,579862E+19	6,250072E+20	2,450175E+21
2544	5,337981E+21	8,514455E+21	1,082253E+22	1,082247E+22	8,514372E+21	5,337938E+21	2,450156E+21	6,250010E+20	4,579392E+19	4,577510E+19	6,248437E+20	2,449882E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2545	5,337649E+21	8,514269E+21	1,082278E+22	1,082304E+22	8,514824E+21	5,338108E+21	2,450067E+21	6,249026E+20	4,578386E+19	4,579152E+19	6,249683E+20	2,450151E+21
2546	5,338065E+21	8,514690E+21	1,082290E+22	1,082264E+22	8,514145E+21	5,337641E+21	2,449917E+21	6,248633E+20	4,577548E+19	4,578585E+19	6,249642E+20	2,450156E+21
2547	5,338010E+21	8,514397E+21	1,082237E+22	1,082247E+22	8,514452E+21	5,338001E+21	2,450200E+21	6,250274E+20	4,580621E+19	4,579328E+19	6,248900E+20	2,449911E+21
2548	5,337712E+21	8,514360E+21	1,082265E+22	1,082270E+22	8,514507E+21	5,337876E+21	2,450013E+21	6,249495E+20	4,581143E+19	4,583011E+19	6,250983E+20	2,450249E+21
2549	5,337996E+21	8,514387E+21	1,082232E+22	1,082200E+22	8,513829E+21	5,337638E+21	2,450111E+21	6,250874E+20	4,584681E+19	4,584190E+19	6,250627E+20	2,450085E+21
2550	5,337606E+21	8,513707E+21	1,082163E+22	1,082194E+22	8,514212E+21	5,338022E+21	2,450374E+21	6,252373E+20	4,588698E+19	4,588056E+19	6,251383E+20	2,450098E+21
2551	5,337577E+21	8,513704E+21	1,082151E+22	1,082157E+22	8,513752E+21	5,337572E+21	2,450119E+21	6,251878E+20	4,590470E+19	4,592231E+19	6,253587E+20	2,450428E+21
2552	5,337791E+21	8,513541E+21	1,082080E+22	1,082062E+22	8,513259E+21	5,337620E+21	2,450378E+21	6,253924E+20	4,594872E+19	4,593776E+19	6,252877E+20	2,450186E+21
2553	5,337394E+21	8,513085E+21	1,082054E+22	1,082078E+22	8,513557E+21	5,337816E+21	2,450423E+21	6,254068E+20	4,596505E+19	4,596919E+19	6,254181E+20	2,450374E+21
2554	5,337676E+21	8,513464E+21	1,082073E+22	1,082041E+22	8,512832E+21	5,337232E+21	2,450196E+21	6,253658E+20	4,596930E+19	4,598092E+19	6,254927E+20	2,450488E+21
2555	5,337684E+21	8,513196E+21	1,082022E+22	1,082018E+22	8,513063E+21	5,337575E+21	2,450478E+21	6,255226E+20	4,598971E+19	4,597475E+19	6,253605E+20	2,450167E+21
2556	5,337274E+21	8,513008E+21	1,082055E+22	1,082077E+22	8,513458E+21	5,337637E+21	2,450318E+21	6,254045E+20	4,597887E+19	4,598688E+19	6,255008E+20	2,450484E+21
2557	5,337696E+21	8,513338E+21	1,082060E+22	1,082044E+22	8,512974E+21	5,337366E+21	2,450268E+21	6,253864E+20	4,596412E+19	4,596417E+19	6,253980E+20	2,450342E+21
2558	5,337524E+21	8,513071E+21	1,082034E+22	1,082066E+22	8,513554E+21	5,337851E+21	2,450498E+21	6,254329E+20	4,595449E+19	4,593779E+19	6,252725E+20	2,450156E+21
2559	5,337463E+21	8,513406E+21	1,082099E+22	1,082105E+22	8,513539E+21	5,337573E+21	2,450175E+21	6,252395E+20	4,592052E+19	4,593288E+19	6,253683E+20	2,450422E+21
2560	5,337828E+21	8,513715E+21	1,082113E+22	1,082087E+22	8,513287E+21	5,337561E+21	2,450271E+21	6,252706E+20	4,590392E+19	4,589264E+19	6,251652E+20	2,450099E+21
2561	5,337474E+21	8,513447E+21	1,082127E+22	1,082159E+22	8,514004E+21	5,337933E+21	2,450343E+21	6,252342E+20	4,589091E+19	4,588207E+19	6,251569E+20	2,450141E+21
2562	5,337691E+21	8,513963E+21	1,082184E+22	1,082176E+22	8,513722E+21	5,337468E+21	2,450006E+21	6,250673E+20	4,585745E+19	4,587365E+19	6,252184E+20	2,450337E+21
2563	5,337889E+21	8,513952E+21	1,082157E+22	1,082151E+22	8,513829E+21	5,337762E+21	2,450229E+21	6,251683E+20	4,586257E+19	4,584684E+19	6,250370E+20	2,450004E+21
2564	5,337518E+21	8,513747E+21	1,082182E+22	1,082205E+22	8,514238E+21	5,337939E+21	2,450185E+21	6,250952E+20	4,585653E+19	4,586534E+19	6,251631E+20	2,450268E+21
2565	5,337934E+21	8,514173E+21	1,082197E+22	1,082175E+22	8,513653E+21	5,337489E+21	2,450044E+21	6,250751E+20	4,585453E+19	4,586219E+19	6,251532E+20	2,450231E+21
2566	5,337807E+21	8,513862E+21	1,082144E+22	1,082152E+22	8,513912E+21	5,337881E+21	2,450364E+21	6,252581E+20	4,588983E+19	4,587387E+19	6,250957E+20	2,450007E+21
2567	5,337456E+21	8,513662E+21	1,082156E+22	1,082165E+22	8,513885E+21	5,337693E+21	2,450171E+21	6,252018E+20	4,590407E+19	4,592038E+19	6,253348E+20	2,450377E+21
2568	5,337765E+21	8,513659E+21	1,082114E+22	1,082090E+22	8,513223E+21	5,337465E+21	2,450253E+21	6,253335E+20	4,594207E+19	4,593800E+19	6,253192E+20	2,450241E+21
2569	5,337405E+21	8,512970E+21	1,082033E+22	1,082065E+22	8,513521E+21	5,337854E+21	2,450527E+21	6,254826E+20	4,598115E+19	4,597679E+19	6,253981E+20	2,450264E+21
2570	5,337429E+21	8,513116E+21	1,082037E+22	1,082032E+22	8,512974E+21	5,337311E+21	2,450227E+21	6,254115E+20	4,599244E+19	4,601231E+19	6,256036E+20	2,450604E+21
2571	5,337704E+21	8,513046E+21	1,081979E+22	1,081949E+22	8,512534E+21	5,337351E+21	2,450460E+21	6,255991E+20	4,603072E+19	4,602118E+19	6,255023E+20	2,450290E+21
2572	5,337200E+21	8,512521E+21	1,081960E+22	1,081979E+22	8,512923E+21	5,337599E+21	2,450542E+21	6,256282E+20	4,604856E+19	4,605159E+19	6,256323E+20	2,450482E+21
2573	5,337464E+21	8,512834E+21	1,081976E+22	1,081960E+22	8,512415E+21	5,337089E+21	2,450314E+21	6,255843E+20	4,605259E+19	4,606144E+19	6,256945E+20	2,450577E+21
2574	5,337452E+21	8,512559E+21	1,081920E+22	1,081925E+22	8,512630E+21	5,337506E+21	2,450623E+21	6,257291E+20	4,606736E+19	4,605062E+19	6,255598E+20	2,450289E+21
2575	5,337079E+21	8,512339E+21	1,081945E+22	1,081970E+22	8,512883E+21	5,337508E+21	2,450464E+21	6,256111E+20	4,605493E+19	4,606178E+19	6,256964E+20	2,450605E+21
2576	5,337562E+21	8,512792E+21	1,081960E+22	1,081943E+22	8,512399E+21	5,337204E+21	2,450385E+21	6,255754E+20	4,603593E+19	4,603688E+19	6,255853E+20	2,450440E+21
2577	5,337370E+21	8,512565E+21	1,081941E+22	1,081964E+22	8,512961E+21	5,337685E+21	2,450612E+21	6,256210E+20	4,602529E+19	4,600901E+19	6,254581E+20	2,450242E+21
2578	5,337296E+21	8,512966E+21	1,082023E+22	1,082017E+22	8,512942E+21	5,337344E+21	2,450248E+21	6,254123E+20	4,598780E+19	4,600158E+19	6,255553E+20	2,450542E+21
2579	5,337699E+21	8,513256E+21	1,082035E+22	1,082008E+22	8,512791E+21	5,337353E+21	2,450321E+21	6,254313E+20	4,596918E+19	4,595959E+19	6,253456E+20	2,450203E+21
2580	5,337307E+21	8,512908E+21	1,082039E+22	1,082074E+22	8,513526E+21	5,337780E+21	2,450436E+21	6,254116E+20	4,596014E+19	4,595300E+19	6,253520E+20	2,450282E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2581	5,337581E+21	8,513421E+21	1,082090E+22	1,082092E+22	8,513298E+21	5,337350E+21	2,450117E+21	6,252543E+20	4,592920E+19	4,594458E+19	6,254017E+20	2,450449E+21
2582	5,337779E+21	8,513496E+21	1,082068E+22	1,082056E+22	8,513309E+21	5,337646E+21	2,450364E+21	6,253643E+20	4,593549E+19	4,591855E+19	6,252218E+20	2,450110E+21
2583	5,337356E+21	8,513212E+21	1,082087E+22	1,082103E+22	8,513607E+21	5,337748E+21	2,450326E+21	6,253197E+20	4,593825E+19	4,594487E+19	6,253622E+20	2,450354E+21
2584	5,337722E+21	8,513586E+21	1,082101E+22	1,082080E+22	8,513080E+21	5,337309E+21	2,450181E+21	6,253088E+20	4,594310E+19	4,594978E+19	6,253762E+20	2,450320E+21
2585	5,337530E+21	8,513145E+21	1,082033E+22	1,082045E+22	8,513338E+21	5,337732E+21	2,450516E+21	6,255046E+20	4,598294E+19	4,596740E+19	6,253427E+20	2,450132E+21
2586	5,337207E+21	8,512948E+21	1,082040E+22	1,082049E+22	8,513230E+21	5,337496E+21	2,450294E+21	6,254325E+20	4,599432E+19	4,601257E+19	6,255880E+20	2,450558E+21
2587	5,337623E+21	8,513003E+21	1,081994E+22	1,081969E+22	8,512544E+21	5,337254E+21	2,450359E+21	6,255481E+20	4,602682E+19	4,602536E+19	6,255540E+20	2,450394E+21
2588	5,337260E+21	8,512355E+21	1,081919E+22	1,081945E+22	8,512796E+21	5,337623E+21	2,450648E+21	6,257069E+20	4,606630E+19	4,606286E+19	6,256274E+20	2,450413E+21
2589	5,337294E+21	8,512529E+21	1,081932E+22	1,081928E+22	8,512369E+21	5,337112E+21	2,450352E+21	6,256403E+20	4,607873E+19	4,609587E+19	6,258133E+20	2,450706E+21
2590	5,337519E+21	8,512503E+21	1,081886E+22	1,081852E+22	8,511965E+21	5,337195E+21	2,450599E+21	6,258232E+20	4,611443E+19	4,610281E+19	6,257131E+20	2,450401E+21
2591	5,336971E+21	8,511854E+21	1,081857E+22	1,081880E+22	8,512344E+21	5,337413E+21	2,450677E+21	6,258638E+20	4,613630E+19	4,613659E+19	6,258521E+20	2,450604E+21
2592	5,337265E+21	8,512179E+21	1,081869E+22	1,081861E+22	8,511910E+21	5,336970E+21	2,450449E+21	6,258026E+20	4,613736E+19	4,614694E+19	6,259174E+20	2,450704E+21
2593	5,337272E+21	8,511928E+21	1,081811E+22	1,081815E+22	8,512056E+21	5,337387E+21	2,450765E+21	6,259375E+20	4,614645E+19	4,613102E+19	6,257724E+20	2,450413E+21
2594	5,336946E+21	8,511848E+21	1,081850E+22	1,081865E+22	8,512227E+21	5,337293E+21	2,450556E+21	6,257940E+20	4,612560E+19	4,613401E+19	6,258880E+20	2,450728E+21
2595	5,337461E+21	8,512363E+21	1,081878E+22	1,081851E+22	8,511809E+21	5,336981E+21	2,450445E+21	6,257389E+20	4,610009E+19	4,610268E+19	6,257545E+20	2,450513E+21
2596	5,337186E+21	8,512069E+21	1,081862E+22	1,081882E+22	8,512419E+21	5,337483E+21	2,450696E+21	6,257978E+20	4,609242E+19	4,607600E+19	6,256369E+20	2,450340E+21
2597	5,337116E+21	8,512392E+21	1,081938E+22	1,081946E+22	8,512573E+21	5,337213E+21	2,450341E+21	6,255940E+20	4,605708E+19	4,606893E+19	6,257284E+20	2,450634E+21
2598	5,337528E+21	8,512717E+21	1,081948E+22	1,081925E+22	8,512377E+21	5,337273E+21	2,450438E+21	6,256089E+20	4,603716E+19	4,602684E+19	6,255262E+20	2,450326E+21
2599	5,337157E+21	8,512330E+21	1,081941E+22	1,081977E+22	8,512971E+21	5,337631E+21	2,450563E+21	6,256109E+20	4,603362E+19	4,602494E+19	6,255372E+20	2,450396E+21
2600	5,337464E+21	8,512928E+21	1,081997E+22	1,081995E+22	8,512760E+21	5,337211E+21	2,450243E+21	6,254563E+20	4,600585E+19	4,602089E+19	6,255937E+20	2,450537E+21
2601	5,337604E+21	8,512968E+21	1,081975E+22	1,081954E+22	8,512724E+21	5,337499E+21	2,450505E+21	6,255830E+20	4,601693E+19	4,599971E+19	6,254303E+20	2,450202E+21
2602	5,337155E+21	8,512669E+21	1,081996E+22	1,082006E+22	8,512989E+21	5,337532E+21	2,450436E+21	6,255361E+20	4,602094E+19	4,602851E+19	6,255850E+20	2,450484E+21
2603	5,337533E+21	8,512967E+21	1,082001E+22	1,081982E+22	8,512516E+21	5,337101E+21	2,450267E+21	6,255188E+20	4,602667E+19	4,603567E+19	6,256076E+20	2,450456E+21
2604	5,337319E+21	8,512434E+21	1,081918E+22	1,081932E+22	8,512710E+21	5,337555E+21	2,450641E+21	6,257280E+20	4,606981E+19	4,605722E+19	6,255913E+20	2,450314E+21
2605	5,337074E+21	8,512259E+21	1,081919E+22	1,081936E+22	8,512624E+21	5,337327E+21	2,450425E+21	6,256591E+20	4,608145E+19	4,609962E+19	6,258158E+20	2,450705E+21
2606	5,337499E+21	8,512449E+21	1,081886E+22	1,081850E+22	8,511849E+21	5,337063E+21	2,450494E+21	6,257739E+20	4,611241E+19	4,611052E+19	6,257761E+20	2,450527E+21
2607	5,337087E+21	8,511752E+21	1,081813E+22	1,081830E+22	8,512059E+21	5,337373E+21	2,450781E+21	6,259528E+20	4,615722E+19	4,615099E+19	6,258495E+20	2,450520E+21
2608	5,337094E+21	8,511922E+21	1,081831E+22	1,081826E+22	8,511766E+21	5,336927E+21	2,450489E+21	6,258847E+20	4,617215E+19	4,618767E+19	6,260450E+20	2,450805E+21
2609	5,337258E+21	8,511798E+21	1,081777E+22	1,081748E+22	8,511413E+21	5,337059E+21	2,450746E+21	6,260627E+20	4,620555E+19	4,619413E+19	6,259515E+20	2,450525E+21
2610	5,336760E+21	8,511202E+21	1,081748E+22	1,081774E+22	8,511745E+21	5,337240E+21	2,450793E+21	6,260751E+20	4,621888E+19	4,622050E+19	6,260772E+20	2,450755E+21
2611	5,337132E+21	8,511597E+21	1,081764E+22	1,081755E+22	8,511324E+21	5,336795E+21	2,450542E+21	6,259875E+20	4,620964E+19	4,622164E+19	6,261133E+20	2,450814E+21
2612	5,337116E+21	8,511383E+21	1,081715E+22	1,081714E+22	8,511444E+21	5,337208E+21	2,450870E+21	6,261216E+20	4,621576E+19	4,620108E+19	6,259589E+20	2,450524E+21
2613	5,336806E+21	8,511317E+21	1,081762E+22	1,081781E+22	8,511731E+21	5,337138E+21	2,450660E+21	6,259786E+20	4,619424E+19	4,619977E+19	6,260509E+20	2,450797E+21
2614	5,337286E+21	8,511879E+21	1,081800E+22	1,081772E+22	8,511338E+21	5,336847E+21	2,450554E+21	6,259206E+20	4,616733E+19	4,616793E+19	6,259268E+20	2,450610E+21
2615	5,336995E+21	8,511485E+21	1,081773E+22	1,081799E+22	8,511924E+21	5,337313E+21	2,450796E+21	6,259942E+20	4,616598E+19	4,614705E+19	6,258237E+20	2,450461E+21
2616	5,336984E+21	8,511849E+21	1,081843E+22	1,081856E+22	8,512113E+21	5,337117E+21	2,450460E+21	6,257863E+20	4,613181E+19	4,614433E+19	6,259263E+20	2,450758E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2617	5,337403E+21	8,512196E+21	1,081853E+22	1,081826E+22	8,511834E+21	5,337153E+21	2,450564E+21	6,258021E+20	4,611121E+19	4,610221E+19	6,257243E+20	2,450446E+21
2618	5,337064E+21	8,511921E+21	1,081856E+22	1,081879E+22	8,512332E+21	5,337413E+21	2,450648E+21	6,257959E+20	4,610587E+19	4,609881E+19	6,257290E+20	2,450506E+21
2619	5,337344E+21	8,512486E+21	1,081915E+22	1,081905E+22	8,512196E+21	5,337008E+21	2,450318E+21	6,256396E+20	4,607785E+19	4,609454E+19	6,257814E+20	2,450611E+21
2620	5,337382E+21	8,512387E+21	1,081886E+22	1,081865E+22	8,512168E+21	5,337312E+21	2,450608E+21	6,257878E+20	4,609583E+19	4,607995E+19	6,256463E+20	2,450322E+21
2621	5,336937E+21	8,511948E+21	1,081889E+22	1,081915E+22	8,512520E+21	5,337400E+21	2,450557E+21	6,257532E+20	4,610391E+19	4,611063E+19	6,257988E+20	2,450602E+21
2622	5,337330E+21	8,512289E+21	1,081889E+22	1,081875E+22	8,511953E+21	5,336990E+21	2,450412E+21	6,257359E+20	4,610915E+19	4,611843E+19	6,258325E+20	2,450609E+21
2623	5,337148E+21	8,511743E+21	1,081798E+22	1,081811E+22	8,511983E+21	5,337340E+21	2,450781E+21	6,259660E+20	4,615805E+19	4,614405E+19	6,258163E+20	2,450456E+21
2624	5,336945E+21	8,511681E+21	1,081807E+22	1,081815E+22	8,511924E+21	5,337143E+21	2,450569E+21	6,259003E+20	4,617274E+19	4,618971E+19	6,260431E+20	2,450813E+21
2625	5,337306E+21	8,511853E+21	1,081781E+22	1,081737E+22	8,511159E+21	5,336871E+21	2,450643E+21	6,260210E+20	4,620525E+19	4,620253E+19	6,260102E+20	2,450635E+21
2626	5,336889E+21	8,511177E+21	1,081713E+22	1,081726E+22	8,511389E+21	5,337126E+21	2,450885E+21	6,261860E+20	4,624780E+19	4,624161E+19	6,260878E+20	2,450658E+21
2627	5,336905E+21	8,511288E+21	1,081727E+22	1,081727E+22	8,511221E+21	5,336746E+21	2,450584E+21	6,261017E+20	4,625838E+19	4,627565E+19	6,262778E+20	2,450938E+21
2628	5,337055E+21	8,511110E+21	1,081665E+22	1,081642E+22	8,510830E+21	5,336913E+21	2,450873E+21	6,262761E+20	4,628846E+19	4,627990E+19	6,261874E+20	2,450693E+21
2629	5,336626E+21	8,510551E+21	1,081637E+22	1,081672E+22	8,511197E+21	5,337101E+21	2,450922E+21	6,262816E+20	4,629686E+19	4,629742E+19	6,262740E+20	2,450864E+21
2630	5,336990E+21	8,511087E+21	1,081670E+22	1,081655E+22	8,510730E+21	5,336644E+21	2,450666E+21	6,261823E+20	4,628193E+19	4,629309E+19	6,262980E+20	2,450907E+21
2631	5,336923E+21	8,510810E+21	1,081621E+22	1,081617E+22	8,510811E+21	5,336997E+21	2,450983E+21	6,263288E+20	4,629154E+19	4,627349E+19	6,261415E+20	2,450609E+21
2632	5,336623E+21	8,510772E+21	1,081672E+22	1,081691E+22	8,511222E+21	5,337003E+21	2,450777E+21	6,261822E+20	4,627187E+19	4,627559E+19	6,262431E+20	2,450883E+21
2633	5,337073E+21	8,511275E+21	1,081704E+22	1,081682E+22	8,510859E+21	5,336736E+21	2,450675E+21	6,261185E+20	4,624313E+19	4,624382E+19	6,261276E+20	2,450733E+21
2634	5,336874E+21	8,510984E+21	1,081680E+22	1,081705E+22	8,511371E+21	5,337136E+21	2,450875E+21	6,261682E+20	4,623594E+19	4,621897E+19	6,260196E+20	2,450610E+21
2635	5,336925E+21	8,511420E+21	1,081757E+22	1,081766E+22	8,511571E+21	5,336935E+21	2,450527E+21	6,259481E+20	4,619631E+19	4,621185E+19	6,261033E+20	2,450860E+21
2636	5,337282E+21	8,511747E+21	1,081770E+22	1,081737E+22	8,511265E+21	5,336976E+21	2,450653E+21	6,259736E+20	4,617781E+19	4,617093E+19	6,259086E+20	2,450552E+21
2637	5,336923E+21	8,511414E+21	1,081775E+22	1,081801E+22	8,511855E+21	5,337268E+21	2,450753E+21	6,259809E+20	4,617583E+19	4,616749E+19	6,258996E+20	2,450566E+21
2638	5,337129E+21	8,511947E+21	1,081832E+22	1,081824E+22	8,511712E+21	5,336879E+21	2,450438E+21	6,258375E+20	4,615222E+19	4,616784E+19	6,259743E+20	2,450703E+21
2639	5,337135E+21	8,511684E+21	1,081779E+22	1,081768E+22	8,511611E+21	5,337152E+21	2,450739E+21	6,260142E+20	4,618057E+19	4,616279E+19	6,258645E+20	2,450458E+21
2640	5,336774E+21	8,511293E+21	1,081771E+22	1,081801E+22	8,511932E+21	5,337294E+21	2,450713E+21	6,259865E+20	4,619301E+19	4,619982E+19	6,260315E+20	2,450740E+21
2641	5,337168E+21	8,511651E+21	1,081771E+22	1,081753E+22	8,511256E+21	5,336822E+21	2,450568E+21	6,259761E+20	4,619960E+19	4,620900E+19	6,260691E+20	2,450753E+21
2642	5,337037E+21	8,511233E+21	1,081692E+22	1,081693E+22	8,511202E+21	5,337053E+21	2,450873E+21	6,261918E+20	4,624661E+19	4,623373E+19	6,260502E+20	2,450594E+21
2643	5,336802E+21	8,511150E+21	1,081710E+22	1,081711E+22	8,511236E+21	5,336883E+21	2,450659E+21	6,261230E+20	4,626008E+19	4,627823E+19	6,262719E+20	2,450917E+21
2644	5,337065E+21	8,511192E+21	1,081679E+22	1,081639E+22	8,510553E+21	5,336668E+21	2,450757E+21	6,262509E+20	4,629508E+19	4,629438E+19	6,262575E+20	2,450779E+21
2645	5,336664E+21	8,510436E+21	1,081601E+22	1,081630E+22	8,510894E+21	5,337003E+21	2,451017E+21	6,264125E+20	4,633565E+19	4,632878E+19	6,263136E+20	2,450781E+21
2646	5,336700E+21	8,510618E+21	1,081615E+22	1,081621E+22	8,510672E+21	5,336653E+21	2,450740E+21	6,263204E+20	4,634094E+19	4,635789E+19	6,264957E+20	2,451068E+21
2647	5,336867E+21	8,510428E+21	1,081548E+22	1,081530E+22	8,510179E+21	5,336742E+21	2,451019E+21	6,265025E+20	4,637104E+19	4,636027E+19	6,263935E+20	2,450815E+21
2648	5,336492E+21	8,509996E+21	1,081529E+22	1,081560E+22	8,510580E+21	5,336967E+21	2,451067E+21	6,265015E+20	4,637858E+19	4,637665E+19	6,264715E+20	2,450948E+21
2649	5,336787E+21	8,510519E+21	1,081574E+22	1,081556E+22	8,510125E+21	5,336481E+21	2,450805E+21	6,263972E+20	4,636103E+19	4,637066E+19	6,264966E+20	2,451007E+21
2650	5,336766E+21	8,510313E+21	1,081534E+22	1,081527E+22	8,510201E+21	5,336745E+21	2,451047E+21	6,265176E+20	4,636661E+19	4,634892E+19	6,263447E+20	2,450743E+21
2651	5,336498E+21	8,510273E+21	1,081584E+22	1,081606E+22	8,510717E+21	5,336822E+21	2,450841E+21	6,263532E+20	4,634150E+19	4,634804E+19	6,264394E+20	2,451012E+21
2652	5,336950E+21	8,510767E+21	1,081614E+22	1,081593E+22	8,510347E+21	5,336588E+21	2,450760E+21	6,262829E+20	4,630990E+19	4,631454E+19	6,263251E+20	2,450883E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2653	5,336800E+21	8,510524E+21	1,081595E+22	1,081622E+22	8,510879E+21	5,336988E+21	2,450964E+21	6,263328E+20	4,630039E+19	4,628332E+19	6,261816E+20	2,450692E+21
2654	5,336808E+21	8,511032E+21	1,081683E+22	1,081685E+22	8,511072E+21	5,336807E+21	2,450636E+21	6,261196E+20	4,626036E+19	4,627495E+19	6,262611E+20	2,450912E+21
2655	5,337062E+21	8,511201E+21	1,081686E+22	1,081657E+22	8,510735E+21	5,336801E+21	2,450770E+21	6,261755E+20	4,625182E+19	4,624148E+19	6,260847E+20	2,450619E+21
2656	5,336700E+21	8,510813E+21	1,081677E+22	1,081711E+22	8,511390E+21	5,337174E+21	2,450896E+21	6,261996E+20	4,625783E+19	4,624754E+19	6,261017E+20	2,450644E+21
2657	5,336856E+21	8,511227E+21	1,081721E+22	1,081724E+22	8,511194E+21	5,336782E+21	2,450596E+21	6,260642E+20	4,623729E+19	4,625252E+19	6,261971E+20	2,450836E+21
2658	5,336977E+21	8,511063E+21	1,081664E+22	1,081654E+22	8,510926E+21	5,336932E+21	2,450843E+21	6,262261E+20	4,626438E+19	4,624858E+19	6,260975E+20	2,450626E+21
2659	5,336680E+21	8,510761E+21	1,081663E+22	1,081686E+22	8,511227E+21	5,337057E+21	2,450808E+21	6,261941E+20	4,627436E+19	4,628409E+19	6,262547E+20	2,450873E+21
2660	5,337025E+21	8,511106E+21	1,081668E+22	1,081642E+22	8,510554E+21	5,336592E+21	2,450673E+21	6,261920E+20	4,628427E+19	4,629602E+19	6,263045E+20	2,450900E+21
2661	5,336878E+21	8,510650E+21	1,081596E+22	1,081598E+22	8,510596E+21	5,336846E+21	2,450983E+21	6,264132E+20	4,633279E+19	4,631938E+19	6,262698E+20	2,450702E+21
2662	5,336594E+21	8,510547E+21	1,081613E+22	1,081618E+22	8,510689E+21	5,336725E+21	2,450791E+21	6,263525E+20	4,634801E+19	4,636539E+19	6,265025E+20	2,451039E+21
2663	5,336814E+21	8,510433E+21	1,081560E+22	1,081534E+22	8,509981E+21	5,336518E+21	2,450908E+21	6,264972E+20	4,638820E+19	4,638642E+19	6,265002E+20	2,450933E+21
2664	5,336501E+21	8,509763E+21	1,081477E+22	1,081510E+22	8,510303E+21	5,336918E+21	2,451192E+21	6,266563E+20	4,642795E+19	4,642064E+19	6,265506E+20	2,450910E+21
2665	5,336511E+21	8,509971E+21	1,081498E+22	1,081501E+22	8,509988E+21	5,336504E+21	2,450912E+21	6,265609E+20	4,642952E+19	4,644521E+19	6,267168E+20	2,451190E+21
2666	5,336734E+21	8,509909E+21	1,081445E+22	1,081416E+22	8,509438E+21	5,336472E+21	2,451113E+21	6,267142E+20	4,645299E+19	4,644249E+19	6,266070E+20	2,450936E+21
2667	5,336349E+21	8,509498E+21	1,081438E+22	1,081463E+22	8,509935E+21	5,336711E+21	2,451143E+21	6,266965E+20	4,645520E+19	4,645416E+19	6,266737E+20	2,451045E+21
2668	5,336576E+21	8,509925E+21	1,081479E+22	1,081465E+22	8,509580E+21	5,336286E+21	2,450888E+21	6,265855E+20	4,643578E+19	4,644760E+19	6,267087E+20	2,451149E+21
2669	5,336602E+21	8,509723E+21	1,081442E+22	1,081446E+22	8,509758E+21	5,336608E+21	2,451130E+21	6,266876E+20	4,643528E+19	4,641786E+19	6,265263E+20	2,450858E+21
2670	5,336376E+21	8,509799E+21	1,081500E+22	1,081521E+22	8,510242E+21	5,336709E+21	2,450951E+21	6,265209E+20	4,640566E+19	4,641206E+19	6,266072E+20	2,451106E+21
2671	5,336796E+21	8,510252E+21	1,081525E+22	1,081508E+22	8,509840E+21	5,336445E+21	2,450877E+21	6,264667E+20	4,637708E+19	4,637912E+19	6,264859E+20	2,450961E+21
2672	5,336668E+21	8,510091E+21	1,081511E+22	1,081533E+22	8,510409E+21	5,336906E+21	2,451101E+21	6,265262E+20	4,637192E+19	4,635190E+19	6,263460E+20	2,450732E+21
2673	5,336564E+21	8,510479E+21	1,081598E+22	1,081601E+22	8,510584E+21	5,336696E+21	2,450787E+21	6,263279E+20	4,633568E+19	4,634755E+19	6,264401E+20	2,450983E+21
2674	5,336861E+21	8,510637E+21	1,081593E+22	1,081568E+22	8,510194E+21	5,336592E+21	2,450856E+21	6,263730E+20	4,632953E+19	4,631966E+19	6,262959E+20	2,450756E+21
2675	5,336548E+21	8,510231E+21	1,081574E+22	1,081612E+22	8,510835E+21	5,336991E+21	2,450988E+21	6,263929E+20	4,633512E+19	4,632877E+19	6,263258E+20	2,450799E+21
2676	5,336712E+21	8,510619E+21	1,081611E+22	1,081614E+22	8,510560E+21	5,336600E+21	2,450705E+21	6,262631E+20	4,631639E+19	4,633622E+19	6,264345E+20	2,451022E+21
2677	5,336889E+21	8,510536E+21	1,081565E+22	1,081550E+22	8,510273E+21	5,336709E+21	2,450934E+21	6,264230E+20	4,634312E+19	4,632881E+19	6,263067E+20	2,450751E+21
2678	5,336560E+21	8,510308E+21	1,081575E+22	1,081587E+22	8,510578E+21	5,336845E+21	2,450921E+21	6,264039E+20	4,635486E+19	4,636448E+19	6,264615E+20	2,450964E+21
2679	5,336794E+21	8,510482E+21	1,081567E+22	1,081545E+22	8,509951E+21	5,336387E+21	2,450804E+21	6,264312E+20	4,637437E+19	4,638338E+19	6,265268E+20	2,451006E+21
2680	5,336654E+21	8,509989E+21	1,081483E+22	1,081492E+22	8,510077E+21	5,336748E+21	2,451148E+21	6,266650E+20	4,642842E+19	4,641320E+19	6,265078E+20	2,450809E+21
2681	5,336318E+21	8,509775E+21	1,081492E+22	1,081507E+22	8,510128E+21	5,336636E+21	2,450985E+21	6,266100E+20	4,644351E+19	4,645908E+19	6,267429E+20	2,451182E+21
2682	5,336649E+21	8,509765E+21	1,081437E+22	1,081412E+22	8,509276E+21	5,336298E+21	2,451037E+21	6,267314E+20	4,647874E+19	4,647818E+19	6,267438E+20	2,451094E+21
2683	5,336376E+21	8,509188E+21	1,081364E+22	1,081389E+22	8,509585E+21	5,336685E+21	2,451307E+21	6,268738E+20	4,651136E+19	4,650597E+19	6,267749E+20	2,451033E+21
2684	5,336326E+21	8,509379E+21	1,081394E+22	1,081390E+22	8,509299E+21	5,336282E+21	2,451021E+21	6,267706E+20	4,651051E+19	4,652778E+19	6,269384E+20	2,451319E+21
2685	5,336548E+21	8,509330E+21	1,081354E+22	1,081325E+22	8,508841E+21	5,336243E+21	2,451197E+21	6,269096E+20	4,652962E+19	4,651832E+19	6,268023E+20	2,451036E+21
2686	5,336166E+21	8,508962E+21	1,081352E+22	1,081378E+22	8,509431E+21	5,336540E+21	2,451240E+21	6,268877E+20	4,652907E+19	4,652682E+19	6,268661E+20	2,451151E+21
2687	5,336376E+21	8,509296E+21	1,081380E+22	1,081376E+22	8,509110E+21	5,336159E+21	2,451006E+21	6,267843E+20	4,651126E+19	4,652148E+19	6,269027E+20	2,451280E+21
2688	5,336497E+21	8,509222E+21	1,081345E+22	1,081348E+22	8,509290E+21	5,336539E+21	2,451269E+21	6,268830E+20	4,650962E+19	4,649095E+19	6,267103E+20	2,450953E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2689	5,336222E+21	8,509307E+21	1,081412E+22	1,081430E+22	8,509719E+21	5,336594E+21	2,451099E+21	6,267204E+20	4,647815E+19	4,648221E+19	6,267770E+20	2,451185E+21
2690	5,336664E+21	8,509806E+21	1,081441E+22	1,081418E+22	8,509263E+21	5,336221E+21	2,450958E+21	6,266482E+20	4,644769E+19	4,644996E+19	6,266669E+20	2,451045E+21
2691	5,336494E+21	8,509608E+21	1,081429E+22	1,081448E+22	8,509881E+21	5,336703E+21	2,451183E+21	6,267061E+20	4,644248E+19	4,642460E+19	6,265384E+20	2,450821E+21
2692	5,336326E+21	8,509842E+21	1,081501E+22	1,081511E+22	8,510091E+21	5,336539E+21	2,450881E+21	6,265134E+20	4,640937E+19	4,642469E+19	6,266554E+20	2,451127E+21
2693	5,336682E+21	8,510007E+21	1,081494E+22	1,081476E+22	8,509688E+21	5,336437E+21	2,450945E+21	6,265516E+20	4,640179E+19	4,639400E+19	6,264988E+20	2,450903E+21
2694	5,336448E+21	8,509731E+21	1,081479E+22	1,081511E+22	8,510241E+21	5,336815E+21	2,451096E+21	6,265795E+20	4,640703E+19	4,640221E+19	6,265231E+20	2,450926E+21
2695	5,336576E+21	8,510070E+21	1,081510E+22	1,081509E+22	8,509937E+21	5,336407E+21	2,450829E+21	6,264751E+20	4,639542E+19	4,641356E+19	6,266348E+20	2,451143E+21
2696	5,336767E+21	8,510057E+21	1,081470E+22	1,081446E+22	8,509692E+21	5,336570E+21	2,451076E+21	6,266489E+20	4,642876E+19	4,641252E+19	6,265145E+20	2,450833E+21
2697	5,336321E+21	8,509702E+21	1,081479E+22	1,081490E+22	8,509997E+21	5,336684E+21	2,451086E+21	6,266529E+20	4,644629E+19	4,645262E+19	6,266805E+20	2,451068E+21
2698	5,336582E+21	8,509822E+21	1,081458E+22	1,081441E+22	8,509361E+21	5,336175E+21	2,450920E+21	6,266714E+20	4,646859E+19	4,647784E+19	6,267761E+20	2,451159E+21
2699	5,336472E+21	8,509326E+21	1,081367E+22	1,081378E+22	8,509459E+21	5,336571E+21	2,451279E+21	6,268969E+20	4,651951E+19	4,650799E+19	6,267637E+20	2,450970E+21
2700	5,336128E+21	8,509065E+21	1,081367E+22	1,081383E+22	8,509435E+21	5,336451E+21	2,451128E+21	6,268433E+20	4,653350E+19	4,655182E+19	6,269947E+20	2,451350E+21
2701	5,336493E+21	8,509152E+21	1,081330E+22	1,081300E+22	8,508585E+21	5,336071E+21	2,451149E+21	6,269475E+20	4,656254E+19	4,656248E+19	6,269607E+20	2,451215E+21
2702	5,336216E+21	8,508663E+21	1,081270E+22	1,081285E+22	8,508909E+21	5,336453E+21	2,451416E+21	6,270860E+20	4,659203E+19	4,658526E+19	6,269783E+20	2,451119E+21
2703	5,336074E+21	8,508705E+21	1,081291E+22	1,081292E+22	8,508714E+21	5,336083E+21	2,451143E+21	6,269960E+20	4,659476E+19	4,660867E+19	6,271454E+20	2,451428E+21
2704	5,336345E+21	8,508702E+21	1,081249E+22	1,081227E+22	8,508373E+21	5,336150E+21	2,451331E+21	6,271267E+20	4,661334E+19	4,660003E+19	6,270093E+20	2,451140E+21
2705	5,335948E+21	8,508317E+21	1,081250E+22	1,081282E+22	8,508932E+21	5,336443E+21	2,451396E+21	6,271029E+20	4,660889E+19	4,660398E+19	6,270612E+20	2,451277E+21
2706	5,336274E+21	8,508772E+21	1,081280E+22	1,081276E+22	8,508543E+21	5,335974E+21	2,451105E+21	6,269736E+20	4,658476E+19	4,659568E+19	6,270956E+20	2,451406E+21
2707	5,336410E+21	8,508803E+21	1,081260E+22	1,081254E+22	8,508725E+21	5,336351E+21	2,451358E+21	6,270556E+20	4,657674E+19	4,656032E+19	6,268922E+20	2,451047E+21
2708	5,336058E+21	8,508815E+21	1,081329E+22	1,081342E+22	8,509180E+21	5,336423E+21	2,451197E+21	6,268957E+20	4,654542E+19	4,655135E+19	6,269610E+20	2,451281E+21
2709	5,336471E+21	8,509288E+21	1,081367E+22	1,081344E+22	8,508788E+21	5,336035E+21	2,451029E+21	6,268147E+20	4,651341E+19	4,651651E+19	6,268423E+20	2,451141E+21
2710	5,336325E+21	8,509096E+21	1,081348E+22	1,081368E+22	8,509418E+21	5,336553E+21	2,451269E+21	6,268774E+20	4,650989E+19	4,649302E+19	6,267242E+20	2,450933E+21
2711	5,336145E+21	8,509213E+21	1,081399E+22	1,081416E+22	8,509601E+21	5,336418E+21	2,451002E+21	6,267066E+20	4,648267E+19	4,649789E+19	6,268522E+20	2,451273E+21
2712	5,336597E+21	8,509512E+21	1,081393E+22	1,081369E+22	8,509147E+21	5,336332E+21	2,451082E+21	6,267565E+20	4,647990E+19	4,647105E+19	6,266950E+20	2,451013E+21
2713	5,336309E+21	8,509236E+21	1,081389E+22	1,081412E+22	8,509632E+21	5,336644E+21	2,451243E+21	6,268031E+20	4,648847E+19	4,648074E+19	6,267149E+20	2,451025E+21
2714	5,336444E+21	8,509571E+21	1,081417E+22	1,081409E+22	8,509289E+21	5,336153E+21	2,450925E+21	6,266953E+20	4,648094E+19	4,649819E+19	6,268497E+20	2,451248E+21
2715	5,336569E+21	8,509481E+21	1,081374E+22	1,081348E+22	8,509094E+21	5,336349E+21	2,451185E+21	6,268723E+20	4,651638E+19	4,650233E+19	6,267510E+20	2,450949E+21
2716	5,336057E+21	8,508957E+21	1,081365E+22	1,081384E+22	8,509440E+21	5,336529E+21	2,451217E+21	6,268847E+20	4,653693E+19	4,654587E+19	6,269323E+20	2,451221E+21
2717	5,336353E+21	8,509088E+21	1,081343E+22	1,081332E+22	8,508765E+21	5,336009E+21	2,451045E+21	6,268938E+20	4,655642E+19	4,656739E+19	6,270135E+20	2,451310E+21
2718	5,336314E+21	8,508702E+21	1,081256E+22	1,081261E+22	8,508790E+21	5,336389E+21	2,451416E+21	6,271199E+20	4,660413E+19	4,659333E+19	6,269872E+20	2,451095E+21
2719	5,335930E+21	8,508381E+21	1,081250E+22	1,081265E+22	8,508768E+21	5,336264E+21	2,451274E+21	6,270814E+20	4,662143E+19	4,663692E+19	6,272114E+20	2,451468E+21
2720	5,336320E+21	8,508556E+21	1,081220E+22	1,081185E+22	8,507962E+21	5,335921E+21	2,451299E+21	6,271870E+20	4,665216E+19	4,664916E+19	6,271770E+20	2,451308E+21
2721	5,335975E+21	8,508011E+21	1,081168E+22	1,081185E+22	8,508307E+21	5,336266E+21	2,451563E+21	6,273279E+20	4,668114E+19	4,667035E+19	6,271933E+20	2,451245E+21
2722	5,335908E+21	8,508067E+21	1,081182E+22	1,081188E+22	8,508121E+21	5,335872E+21	2,451239E+21	6,272135E+20	4,668110E+19	4,669548E+19	6,273767E+20	2,451589E+21
2723	5,336229E+21	8,508149E+21	1,081148E+22	1,081123E+22	8,507787E+21	5,335974E+21	2,451433E+21	6,273200E+20	4,669126E+19	4,668259E+19	6,272345E+20	2,451296E+21
2724	5,335836E+21	8,507788E+21	1,081152E+22	1,081180E+22	8,508335E+21	5,336270E+21	2,451501E+21	6,272902E+20	4,668252E+19	4,668050E+19	6,272661E+20	2,451411E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2725	5,336159E+21	8,508336E+21	1,081202E+22	1,081189E+22	8,507996E+21	5,335784E+21	2,451180E+21	6,271410E+20	4,665087E+19	4,666296E+19	6,272647E+20	2,451486E+21
2726	5,336268E+21	8,508394E+21	1,081191E+22	1,081177E+22	8,508216E+21	5,336172E+21	2,451439E+21	6,272215E+20	4,664052E+19	4,662366E+19	6,270531E+20	2,451100E+21
2727	5,335816E+21	8,508199E+21	1,081240E+22	1,081263E+22	8,508745E+21	5,336292E+21	2,451307E+21	6,270841E+20	4,661511E+19	4,661845E+19	6,271324E+20	2,451365E+21
2728	5,336270E+21	8,508688E+21	1,081270E+22	1,081256E+22	8,508399E+21	5,335983E+21	2,451160E+21	6,270081E+20	4,658662E+19	4,658808E+19	6,270261E+20	2,451238E+21
2729	5,336134E+21	8,508494E+21	1,081252E+22	1,081274E+22	8,508901E+21	5,336439E+21	2,451414E+21	6,270823E+20	4,658479E+19	4,656538E+19	6,269095E+20	2,451062E+21
2730	5,336061E+21	8,508694E+21	1,081298E+22	1,081311E+22	8,508977E+21	5,336216E+21	2,451104E+21	6,269049E+20	4,655853E+19	4,657392E+19	6,270501E+20	2,451402E+21
2731	5,336510E+21	8,509079E+21	1,081305E+22	1,081270E+22	8,508518E+21	5,336116E+21	2,451175E+21	6,269483E+20	4,655558E+19	4,654937E+19	6,269003E+20	2,451121E+21
2732	5,336135E+21	8,508695E+21	1,081297E+22	1,081315E+22	8,509019E+21	5,336434E+21	2,451345E+21	6,270114E+20	4,656936E+19	4,656310E+19	6,269308E+20	2,451135E+21
2733	5,336224E+21	8,508977E+21	1,081329E+22	1,081322E+22	8,508757E+21	5,335957E+21	2,451017E+21	6,269029E+20	4,656320E+19	4,658095E+19	6,270654E+20	2,451366E+21
2734	5,336373E+21	8,508858E+21	1,081276E+22	1,081252E+22	8,508563E+21	5,336193E+21	2,451299E+21	6,270869E+20	4,660078E+19	4,658839E+19	6,269810E+20	2,451084E+21
2735	5,335841E+21	8,508197E+21	1,081241E+22	1,081270E+22	8,508860E+21	5,336408E+21	2,451378E+21	6,271231E+20	4,662637E+19	4,663493E+19	6,271674E+20	2,451375E+21
2736	5,336209E+21	8,508452E+21	1,081222E+22	1,081209E+22	8,508136E+21	5,335893E+21	2,451215E+21	6,271395E+20	4,664849E+19	4,665808E+19	6,272432E+20	2,451428E+21
2737	5,336120E+21	8,508080E+21	1,081148E+22	1,081145E+22	8,508072E+21	5,336191E+21	2,451578E+21	6,273712E+20	4,669594E+19	4,668188E+19	6,272068E+20	2,451213E+21
2738	5,335765E+21	8,507758E+21	1,081138E+22	1,081149E+22	8,508037E+21	5,336001E+21	2,451384E+21	6,273209E+20	4,671389E+19	4,672803E+19	6,274445E+20	2,451592E+21
2739	5,336126E+21	8,507932E+21	1,081115E+22	1,081079E+22	8,507312E+21	5,335688E+21	2,451402E+21	6,274102E+20	4,674075E+19	4,674045E+19	6,274202E+20	2,451451E+21
2740	5,335767E+21	8,507317E+21	1,081056E+22	1,081079E+22	8,507718E+21	5,336084E+21	2,451669E+21	6,275428E+20	4,676667E+19	4,675815E+19	6,274318E+20	2,451407E+21
2741	5,335755E+21	8,507483E+21	1,081085E+22	1,081089E+22	8,507550E+21	5,335700E+21	2,451337E+21	6,274046E+20	4,675743E+19	4,677361E+19	6,275828E+20	2,451729E+21
2742	5,336135E+21	8,507690E+21	1,081062E+22	1,081031E+22	8,507226E+21	5,335808E+21	2,451531E+21	6,274976E+20	4,675982E+19	4,675206E+19	6,274138E+20	2,451387E+21
2743	5,335673E+21	8,507263E+21	1,081063E+22	1,081091E+22	8,507825E+21	5,336140E+21	2,451623E+21	6,274795E+20	4,675192E+19	4,674700E+19	6,274297E+20	2,451477E+21
2744	5,335983E+21	8,507846E+21	1,081118E+22	1,081105E+22	8,507553E+21	5,335699E+21	2,451314E+21	6,273370E+20	4,672265E+19	4,673112E+19	6,274276E+20	2,451528E+21
2745	5,336015E+21	8,507806E+21	1,081108E+22	1,081100E+22	8,507768E+21	5,336054E+21	2,451572E+21	6,274247E+20	4,671410E+19	4,669270E+19	6,272264E+20	2,451199E+21
2746	5,335656E+21	8,507584E+21	1,081138E+22	1,081170E+22	8,508242E+21	5,336139E+21	2,451401E+21	6,272761E+20	4,669045E+19	4,669387E+19	6,273324E+20	2,451502E+21
2747	5,336160E+21	8,508152E+21	1,081171E+22	1,081156E+22	8,507814E+21	5,335819E+21	2,451263E+21	6,271908E+20	4,665936E+19	4,666496E+19	6,272377E+20	2,451391E+21
2748	5,336041E+21	8,507994E+21	1,081156E+22	1,081172E+22	8,508271E+21	5,336235E+21	2,451504E+21	6,272682E+20	4,665831E+19	4,664178E+19	6,271145E+20	2,451195E+21
2749	5,335951E+21	8,508278E+21	1,081221E+22	1,081221E+22	8,508358E+21	5,335984E+21	2,451173E+21	6,270847E+20	4,663030E+19	4,664730E+19	6,272381E+20	2,451496E+21
2750	5,336363E+21	8,508632E+21	1,081230E+22	1,081188E+22	8,507962E+21	5,335910E+21	2,451253E+21	6,271347E+20	4,662972E+19	4,662442E+19	6,270936E+20	2,451198E+21
2751	5,335885E+21	8,508027E+21	1,081197E+22	1,081226E+22	8,508541E+21	5,336303E+21	2,451468E+21	6,272270E+20	4,665172E+19	4,664441E+19	6,271396E+20	2,451241E+21
2752	5,336004E+21	8,508285E+21	1,081215E+22	1,081219E+22	8,508297E+21	5,335906E+21	2,451178E+21	6,271351E+20	4,665158E+19	4,666786E+19	6,272865E+20	2,451478E+21
2753	5,336150E+21	8,508147E+21	1,081161E+22	1,081143E+22	8,507956E+21	5,336073E+21	2,451478E+21	6,273332E+20	4,669082E+19	4,667617E+19	6,272070E+20	2,451237E+21
2754	5,335718E+21	8,507539E+21	1,081116E+22	1,081144E+22	8,508130E+21	5,336194E+21	2,451515E+21	6,273645E+20	4,671780E+19	4,672585E+19	6,274026E+20	2,451516E+21
2755	5,336065E+21	8,507876E+21	1,081113E+22	1,081089E+22	8,507374E+21	5,335658E+21	2,451345E+21	6,273728E+20	4,673844E+19	4,675033E+19	6,274871E+20	2,451564E+21
2756	5,335924E+21	8,507444E+21	1,081040E+22	1,081033E+22	8,507340E+21	5,335932E+21	2,451687E+21	6,276046E+20	4,678677E+19	4,677391E+19	6,274505E+20	2,451350E+21
2757	5,335557E+21	8,507146E+21	1,081041E+22	1,081049E+22	8,507403E+21	5,335763E+21	2,451470E+21	6,275373E+20	4,680076E+19	4,681569E+19	6,276757E+20	2,451735E+21
2758	5,335969E+21	8,507348E+21	1,081016E+22	1,080982E+22	8,506757E+21	5,335514E+21	2,451497E+21	6,276125E+20	4,682241E+19	4,682427E+19	6,276434E+20	2,451590E+21
2759	5,335608E+21	8,506684E+21	1,080946E+22	1,080975E+22	8,507172E+21	5,335962E+21	2,451805E+21	6,277550E+20	4,684741E+19	4,683783E+19	6,276381E+20	2,451539E+21
2760	5,335645E+21	8,506976E+21	1,080985E+22	1,080989E+22	8,507043E+21	5,335620E+21	2,451492E+21	6,276193E+20	4,683669E+19	4,684974E+19	6,277657E+20	2,451800E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2761	5,335942E+21	8,507172E+21	1,080978E+22	1,080946E+22	8,506684E+21	5,335664E+21	2,451674E+21	6,277097E+20	4,683607E+19	4,682372E+19	6,275865E+20	2,451460E+21
2762	5,335486E+21	8,506676E+21	1,080966E+22	1,080999E+22	8,507270E+21	5,335955E+21	2,451729E+21	6,276828E+20	4,682890E+19	4,682151E+19	6,276164E+20	2,451553E+21
2763	5,335759E+21	8,507243E+21	1,081024E+22	1,081016E+22	8,507039E+21	5,335545E+21	2,451416E+21	6,275237E+20	4,679620E+19	4,680731E+19	6,276316E+20	2,451641E+21
2764	5,335809E+21	8,507155E+21	1,081004E+22	1,081004E+22	8,507223E+21	5,335895E+21	2,451663E+21	6,276053E+20	4,678656E+19	4,676772E+19	6,274323E+20	2,451341E+21
2765	5,335535E+21	8,507087E+21	1,081048E+22	1,081074E+22	8,507660E+21	5,335957E+21	2,451478E+21	6,274414E+20	4,675689E+19	4,676292E+19	6,275173E+20	2,451635E+21
2766	5,336105E+21	8,507772E+21	1,081091E+22	1,081068E+22	8,507254E+21	5,335629E+21	2,451332E+21	6,273506E+20	4,672322E+19	4,673053E+19	6,274104E+20	2,451487E+21
2767	5,335914E+21	8,507534E+21	1,081072E+22	1,081086E+22	8,507744E+21	5,336074E+21	2,451601E+21	6,274499E+20	4,672770E+19	4,670991E+19	6,272873E+20	2,451281E+21
2768	5,335796E+21	8,507799E+21	1,081137E+22	1,081139E+22	8,507906E+21	5,335879E+21	2,451304E+21	6,272904E+20	4,670708E+19	4,672118E+19	6,274184E+20	2,451557E+21
2769	5,336115E+21	8,508021E+21	1,081141E+22	1,081108E+22	8,507493E+21	5,335786E+21	2,451393E+21	6,273562E+20	4,671237E+19	4,670406E+19	6,272983E+20	2,451320E+21
2770	5,335708E+21	8,507341E+21	1,081080E+22	1,081118E+22	8,507975E+21	5,336165E+21	2,451602E+21	6,274538E+20	4,673978E+19	4,673320E+19	6,273731E+20	2,451386E+21
2771	5,335848E+21	8,507658E+21	1,081099E+22	1,081101E+22	8,507617E+21	5,335745E+21	2,451328E+21	6,273635E+20	4,674031E+19	4,676008E+19	6,275337E+20	2,451636E+21
2772	5,335998E+21	8,507521E+21	1,081045E+22	1,081022E+22	8,507207E+21	5,335841E+21	2,451606E+21	6,275676E+20	4,678132E+19	4,676859E+19	6,274503E+20	2,451379E+21
2773	5,335559E+21	8,507005E+21	1,081017E+22	1,081032E+22	8,507379E+21	5,335925E+21	2,451611E+21	6,275873E+20	4,680534E+19	4,681417E+19	6,276304E+20	2,451635E+21
2774	5,335882E+21	8,507303E+21	1,081016E+22	1,080988E+22	8,506717E+21	5,335412E+21	2,451437E+21	6,275927E+20	4,682534E+19	4,683762E+19	6,277152E+20	2,451676E+21
2775	5,335677E+21	8,506724E+21	1,080928E+22	1,080931E+22	8,506780E+21	5,335763E+21	2,451805E+21	6,278331E+20	4,687582E+19	4,686203E+19	6,276811E+20	2,451488E+21
2776	5,335370E+21	8,506475E+21	1,080925E+22	1,080943E+22	8,506883E+21	5,335674E+21	2,451630E+21	6,277741E+20	4,689082E+19	4,690323E+19	6,278964E+20	2,451852E+21
2777	5,335772E+21	8,506705E+21	1,080909E+22	1,080882E+22	8,506196E+21	5,335396E+21	2,451664E+21	6,278457E+20	4,690802E+19	4,690702E+19	6,278526E+20	2,451722E+21
2778	5,335483E+21	8,506101E+21	1,080836E+22	1,080865E+22	8,506554E+21	5,335792E+21	2,451933E+21	6,279740E+20	4,693055E+19	4,691921E+19	6,278416E+20	2,451636E+21
2779	5,335473E+21	8,506447E+21	1,080890E+22	1,080888E+22	8,506409E+21	5,335450E+21	2,451623E+21	6,278261E+20	4,691557E+19	4,692950E+19	6,279698E+20	2,451891E+21
2780	5,335718E+21	8,506560E+21	1,080882E+22	1,080854E+22	8,506104E+21	5,335466E+21	2,451777E+21	6,279077E+20	4,691240E+19	4,690070E+19	6,277898E+20	2,451567E+21
2781	5,335288E+21	8,506125E+21	1,080877E+22	1,080910E+22	8,506732E+21	5,335756E+21	2,451795E+21	6,278567E+20	4,689969E+19	4,689409E+19	6,278128E+20	2,451684E+21
2782	5,335629E+21	8,506721E+21	1,080932E+22	1,080928E+22	8,506534E+21	5,335384E+21	2,451487E+21	6,276833E+20	4,686156E+19	4,687620E+19	6,278227E+20	2,451777E+21
2783	5,335704E+21	8,506651E+21	1,080909E+22	1,080909E+22	8,506691E+21	5,335746E+21	2,451755E+21	6,277724E+20	4,685247E+19	4,683465E+19	6,276117E+20	2,451472E+21
2784	5,335479E+21	8,506712E+21	1,080965E+22	1,080985E+22	8,507149E+21	5,335828E+21	2,451596E+21	6,276251E+20	4,682577E+19	4,682992E+19	6,276792E+20	2,451701E+21
2785	5,335947E+21	8,507353E+21	1,081020E+22	1,080994E+22	8,506762E+21	5,335475E+21	2,451450E+21	6,275442E+20	4,679475E+19	4,679831E+19	6,275765E+20	2,451563E+21
2786	5,335739E+21	8,506994E+21	1,080981E+22	1,081000E+22	8,507235E+21	5,335902E+21	2,451705E+21	6,276531E+20	4,680621E+19	4,678670E+19	6,274805E+20	2,451362E+21
2787	5,335566E+21	8,507184E+21	1,081040E+22	1,081048E+22	8,507392E+21	5,335755E+21	2,451440E+21	6,275008E+20	4,678904E+19	4,680501E+19	6,276390E+20	2,451675E+21
2788	5,335886E+21	8,507312E+21	1,081027E+22	1,081004E+22	8,506920E+21	5,335637E+21	2,451527E+21	6,275745E+20	4,679758E+19	4,679134E+19	6,275333E+20	2,451468E+21
2789	5,335550E+21	8,506762E+21	1,080972E+22	1,081005E+22	8,507303E+21	5,335966E+21	2,451718E+21	6,276641E+20	4,682202E+19	4,681791E+19	6,275983E+20	2,451530E+21
2790	5,335721E+21	8,507127E+21	1,080997E+22	1,080993E+22	8,506950E+21	5,335529E+21	2,451433E+21	6,275722E+20	4,682174E+19	4,684292E+19	6,277513E+20	2,451752E+21
2791	5,335813E+21	8,506919E+21	1,080938E+22	1,080913E+22	8,506541E+21	5,335631E+21	2,451727E+21	6,277934E+20	4,686778E+19	4,685390E+19	6,276705E+20	2,451498E+21
2792	5,335373E+21	8,506401E+21	1,080912E+22	1,080931E+22	8,506799E+21	5,335758E+21	2,451759E+21	6,278320E+20	4,689714E+19	4,690232E+19	6,278501E+20	2,451735E+21
2793	5,335636E+21	8,506622E+21	1,080910E+22	1,080893E+22	8,506179E+21	5,335256E+21	2,451581E+21	6,278381E+20	4,691871E+19	4,692793E+19	6,279492E+20	2,451831E+21
2794	5,335509E+21	8,506016E+21	1,080802E+22	1,080813E+22	8,506159E+21	5,335604E+21	2,451943E+21	6,280714E+20	4,696943E+19	4,695585E+19	6,279269E+20	2,451647E+21
2795	5,335231E+21	8,505876E+21	1,080813E+22	1,080826E+22	8,506201E+21	5,335518E+21	2,451790E+21	6,280052E+20	4,698013E+19	4,699466E+19	6,281356E+20	2,451994E+21
2796	5,335613E+21	8,506116E+21	1,080802E+22	1,080772E+22	8,505521E+21	5,335184E+21	2,451789E+21	6,280667E+20	4,699313E+19	4,699347E+19	6,280740E+20	2,451831E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2797	5,335305E+21	8,505611E+21	1,080747E+22	1,080766E+22	8,505907E+21	5,335560E+21	2,452021E+21	6,281691E+20	4,700755E+19	4,699703E+19	6,280413E+20	2,451727E+21
2798	5,335267E+21	8,505897E+21	1,080802E+22	1,080802E+22	8,505880E+21	5,335252E+21	2,451700E+21	6,280069E+20	4,698727E+19	4,700210E+19	6,281589E+20	2,451977E+21
2799	5,335483E+21	8,505902E+21	1,080780E+22	1,080763E+22	8,505633E+21	5,335325E+21	2,451870E+21	6,280867E+20	4,698277E+19	4,697128E+19	6,279794E+20	2,451694E+21
2800	5,335151E+21	8,505566E+21	1,080778E+22	1,080818E+22	8,506268E+21	5,335658E+21	2,451924E+21	6,280422E+20	4,696974E+19	4,696224E+19	6,279863E+20	2,451788E+21
2801	5,335497E+21	8,506233E+21	1,080846E+22	1,080843E+22	8,506041E+21	5,335255E+21	2,451612E+21	6,278675E+20	4,692900E+19	4,694111E+19	6,279901E+20	2,451895E+21
2802	5,335622E+21	8,506212E+21	1,080821E+22	1,080816E+22	8,506138E+21	5,335574E+21	2,451852E+21	6,279538E+20	4,692249E+19	4,690317E+19	6,277840E+20	2,451557E+21
2803	5,335343E+21	8,506304E+21	1,080890E+22	1,080901E+22	8,506588E+21	5,335665E+21	2,451717E+21	6,278157E+20	4,689843E+19	4,690291E+19	6,278640E+20	2,451777E+21
2804	5,335729E+21	8,506793E+21	1,080935E+22	1,080914E+22	8,506275E+21	5,335298E+21	2,451553E+21	6,277427E+20	4,687178E+19	4,687536E+19	6,277760E+20	2,451658E+21
2805	5,335535E+21	8,506452E+21	1,080892E+22	1,080911E+22	8,506733E+21	5,335732E+21	2,451792E+21	6,278419E+20	4,688285E+19	4,686584E+19	6,276928E+20	2,451495E+21
2806	5,335403E+21	8,506590E+21	1,080938E+22	1,080950E+22	8,506864E+21	5,335611E+21	2,451547E+21	6,276930E+20	4,686552E+19	4,688451E+19	6,278532E+20	2,451811E+21
2807	5,335731E+21	8,506702E+21	1,080917E+22	1,080894E+22	8,506318E+21	5,335474E+21	2,451655E+21	6,277834E+20	4,687818E+19	4,687304E+19	6,277520E+20	2,451617E+21
2808	5,335441E+21	8,506243E+21	1,080869E+22	1,080896E+22	8,506664E+21	5,335783E+21	2,451862E+21	6,278946E+20	4,690795E+19	4,690188E+19	6,278068E+20	2,451625E+21
2809	5,335511E+21	8,506538E+21	1,080900E+22	1,080894E+22	8,506326E+21	5,335331E+21	2,451574E+21	6,278122E+20	4,691128E+19	4,692903E+19	6,279709E+20	2,451871E+21
2810	5,335598E+21	8,506232E+21	1,080823E+22	1,080802E+22	8,505904E+21	5,335414E+21	2,451843E+21	6,280328E+20	4,696242E+19	4,694781E+19	6,279120E+20	2,451625E+21
2811	5,335147E+21	8,505706E+21	1,080796E+22	1,080817E+22	8,506143E+21	5,335581E+21	2,451905E+21	6,280749E+20	4,699279E+19	4,699959E+19	6,281062E+20	2,451888E+21
2812	5,335426E+21	8,505885E+21	1,080787E+22	1,080776E+22	8,505538E+21	5,335081E+21	2,451725E+21	6,280776E+20	4,701233E+19	4,702326E+19	6,281995E+20	2,451987E+21
2813	5,335370E+21	8,505469E+21	1,080695E+22	1,080696E+22	8,505470E+21	5,335388E+21	2,452055E+21	6,282861E+20	4,705435E+19	4,704325E+19	6,281563E+20	2,451789E+21
2814	5,335096E+21	8,505354E+21	1,080716E+22	1,080723E+22	8,505570E+21	5,335315E+21	2,451898E+21	6,282087E+20	4,705886E+19	4,707407E+19	6,283389E+20	2,452088E+21
2815	5,335406E+21	8,505530E+21	1,080705E+22	1,080674E+22	8,504946E+21	5,335005E+21	2,451905E+21	6,282695E+20	4,707021E+19	4,707004E+19	6,282720E+20	2,451932E+21
2816	5,335108E+21	8,505028E+21	1,080652E+22	1,080676E+22	8,505415E+21	5,335412E+21	2,452147E+21	6,283768E+20	4,708516E+19	4,707127E+19	6,282269E+20	2,451810E+21
2817	5,335034E+21	8,505260E+21	1,080707E+22	1,080717E+22	8,505440E+21	5,335136E+21	2,451822E+21	6,282063E+20	4,706256E+19	4,707482E+19	6,283497E+20	2,452112E+21
2818	5,335344E+21	8,505294E+21	1,080672E+22	1,080659E+22	8,505090E+21	5,335182E+21	2,451979E+21	6,282769E+20	4,705741E+19	4,704576E+19	6,281756E+20	2,451831E+21
2819	5,335067E+21	8,505121E+21	1,080689E+22	1,080719E+22	8,505649E+21	5,335492E+21	2,452050E+21	6,282337E+20	4,704292E+19	4,703623E+19	6,281780E+20	2,451905E+21
2820	5,335380E+21	8,505784E+21	1,080764E+22	1,080755E+22	8,505481E+21	5,335062E+21	2,451713E+21	6,280566E+20	4,700139E+19	4,701343E+19	6,281717E+20	2,451979E+21
2821	5,335478E+21	8,505834E+21	1,080752E+22	1,080735E+22	8,505598E+21	5,335360E+21	2,451918E+21	6,281246E+20	4,699151E+19	4,697340E+19	6,279654E+20	2,451642E+21
2822	5,335154E+21	8,505800E+21	1,080813E+22	1,080827E+22	8,506154E+21	5,335501E+21	2,451792E+21	6,279877E+20	4,696708E+19	4,697302E+19	6,280459E+20	2,451860E+21
2823	5,335496E+21	8,506149E+21	1,080836E+22	1,080825E+22	8,505845E+21	5,335186E+21	2,451660E+21	6,279263E+20	4,694447E+19	4,694939E+19	6,279747E+20	2,451787E+21
2824	5,335380E+21	8,505849E+21	1,080788E+22	1,080813E+22	8,506246E+21	5,335635E+21	2,451940E+21	6,280475E+20	4,695987E+19	4,694195E+19	6,278873E+20	2,451607E+21
2825	5,335239E+21	8,506006E+21	1,080838E+22	1,080852E+22	8,506320E+21	5,335473E+21	2,451690E+21	6,279074E+20	4,694463E+19	4,696151E+19	6,280516E+20	2,451938E+21
2826	5,335585E+21	8,506115E+21	1,080806E+22	1,080779E+22	8,505650E+21	5,335273E+21	2,451780E+21	6,280071E+20	4,696393E+19	4,695741E+19	6,279681E+20	2,451735E+21
2827	5,335269E+21	8,505692E+21	1,080772E+22	1,080786E+22	8,505947E+21	5,335565E+21	2,452005E+21	6,281310E+20	4,699794E+19	4,699202E+19	6,280392E+20	2,451745E+21
2828	5,335282E+21	8,505858E+21	1,080792E+22	1,080789E+22	8,505695E+21	5,335105E+21	2,451695E+21	6,280536E+20	4,700542E+19	4,702311E+19	6,282161E+20	2,452009E+21
2829	5,335408E+21	8,505624E+21	1,080716E+22	1,080691E+22	8,505263E+21	5,335196E+21	2,451937E+21	6,282514E+20	4,705258E+19	4,704179E+19	6,281647E+20	2,451797E+21
2830	5,335008E+21	8,505099E+21	1,080687E+22	1,080706E+22	8,505524E+21	5,335394E+21	2,452017E+21	6,282907E+20	4,707898E+19	4,708865E+19	6,283418E+20	2,452035E+21
2831	5,335274E+21	8,505278E+21	1,080675E+22	1,080662E+22	8,504912E+21	5,334906E+21	2,451857E+21	6,282993E+20	4,709799E+19	4,710997E+19	6,284244E+20	2,452122E+21
2832	5,335226E+21	8,504920E+21	1,080597E+22	1,080594E+22	8,504875E+21	5,335222E+21	2,452203E+21	6,285163E+20	4,713952E+19	4,712559E+19	6,283568E+20	2,451864E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2833	5,334850E+21	8,504726E+21	1,080621E+22	1,080634E+22	8,505037E+21	5,335154E+21	2,452040E+21	6,284371E+20	4,714274E+19	4,715331E+19	6,285365E+20	2,452178E+21
2834	5,335148E+21	8,504806E+21	1,080593E+22	1,080570E+22	8,504398E+21	5,334845E+21	2,452028E+21	6,284902E+20	4,715476E+19	4,715274E+19	6,284846E+20	2,452045E+21
2835	5,334894E+21	8,504369E+21	1,080546E+22	1,080570E+22	8,504812E+21	5,335271E+21	2,452285E+21	6,285893E+20	4,716726E+19	4,715359E+19	6,284445E+20	2,451948E+21
2836	5,334867E+21	8,504620E+21	1,080598E+22	1,080612E+22	8,504861E+21	5,334978E+21	2,451944E+21	6,284082E+20	4,714024E+19	4,715304E+19	6,285535E+20	2,452245E+21
2837	5,335264E+21	8,504892E+21	1,080586E+22	1,080560E+22	8,504482E+21	5,334969E+21	2,452048E+21	6,284450E+20	4,712598E+19	4,711702E+19	6,283640E+20	2,451958E+21
2838	5,334991E+21	8,504752E+21	1,080616E+22	1,080636E+22	8,505113E+21	5,335292E+21	2,452116E+21	6,283970E+20	4,710747E+19	4,710165E+19	6,283449E+20	2,451985E+21
2839	5,335221E+21	8,505321E+21	1,080688E+22	1,080678E+22	8,505032E+21	5,334909E+21	2,451802E+21	6,282271E+20	4,706742E+19	4,707959E+19	6,283429E+20	2,452069E+21
2840	5,335310E+21	8,505324E+21	1,080675E+22	1,080664E+22	8,505209E+21	5,335234E+21	2,452022E+21	6,283092E+20	4,706203E+19	4,704210E+19	6,281389E+20	2,451725E+21
2841	5,334942E+21	8,505186E+21	1,080722E+22	1,080747E+22	8,505765E+21	5,335419E+21	2,451918E+21	6,281799E+20	4,703983E+19	4,704465E+19	6,282338E+20	2,451982E+21
2842	5,335332E+21	8,505515E+21	1,080725E+22	1,080718E+22	8,505295E+21	5,335067E+21	2,451788E+21	6,281269E+20	4,702209E+19	4,702768E+19	6,281807E+20	2,451921E+21
2843	5,335265E+21	8,505342E+21	1,080689E+22	1,080700E+22	8,505539E+21	5,335452E+21	2,452082E+21	6,282636E+20	4,704201E+19	4,702522E+19	6,281018E+20	2,451729E+21
2844	5,335080E+21	8,505440E+21	1,080738E+22	1,080745E+22	8,505655E+21	5,335254E+21	2,451813E+21	6,281330E+20	4,703036E+19	4,704679E+19	6,282660E+20	2,452038E+21
2845	5,335413E+21	8,505611E+21	1,080715E+22	1,080676E+22	8,504980E+21	5,335009E+21	2,451856E+21	6,282172E+20	4,704925E+19	4,704459E+19	6,281968E+20	2,451862E+21
2846	5,335072E+21	8,505077E+21	1,080672E+22	1,080689E+22	8,505363E+21	5,335335E+21	2,452086E+21	6,283434E+20	4,708324E+19	4,707909E+19	6,282682E+20	2,451874E+21
2847	5,335064E+21	8,505148E+21	1,080677E+22	1,080681E+22	8,505134E+21	5,334954E+21	2,451819E+21	6,282743E+20	4,709299E+19	4,711228E+19	6,284541E+20	2,452168E+21
2848	5,335255E+21	8,504973E+21	1,080605E+22	1,080584E+22	8,504679E+21	5,335054E+21	2,452091E+21	6,284845E+20	4,714080E+19	4,712949E+19	6,283880E+20	2,451923E+21
2849	5,334830E+21	8,504481E+21	1,080581E+22	1,080602E+22	8,504955E+21	5,335257E+21	2,452175E+21	6,285276E+20	4,716639E+19	4,717304E+19	6,285538E+20	2,452147E+21
2850	5,335072E+21	8,504629E+21	1,080562E+22	1,080546E+22	8,504271E+21	5,334746E+21	2,452009E+21	6,285403E+20	4,718834E+19	4,719782E+19	6,286437E+20	2,452223E+21
2851	5,335006E+21	8,504296E+21	1,080495E+22	1,080486E+22	8,504199E+21	5,335044E+21	2,452361E+21	6,287584E+20	4,723017E+19	4,721466E+19	6,285837E+20	2,451975E+21
2852	5,334601E+21	8,503987E+21	1,080509E+22	1,080530E+22	8,504464E+21	5,334975E+21	2,452167E+21	6,286695E+20	4,723198E+19	4,724107E+19	6,287618E+20	2,452306E+21
2853	5,334979E+21	8,504208E+21	1,080485E+22	1,080462E+22	8,503782E+21	5,334647E+21	2,452111E+21	6,286840E+20	4,723460E+19	4,723614E+19	6,287129E+20	2,452220E+21
2854	5,334814E+21	8,503861E+21	1,080449E+22	1,080468E+22	8,504203E+21	5,335062E+21	2,452360E+21	6,287667E+20	4,723870E+19	4,722784E+19	6,286450E+20	2,452093E+21
2855	5,334794E+21	8,504182E+21	1,080510E+22	1,080514E+22	8,504273E+21	5,334792E+21	2,452034E+21	6,285836E+20	4,720901E+19	4,722345E+19	6,287376E+20	2,452363E+21
2856	5,335176E+21	8,504499E+21	1,080516E+22	1,080485E+22	8,503988E+21	5,334804E+21	2,452144E+21	6,286222E+20	4,719360E+19	4,718302E+19	6,285242E+20	2,452014E+21
2857	5,334803E+21	8,504281E+21	1,080547E+22	1,080571E+22	8,504729E+21	5,335166E+21	2,452214E+21	6,285765E+20	4,717539E+19	4,716636E+19	6,285038E+20	2,452045E+21
2858	5,334983E+21	8,504689E+21	1,080592E+22	1,080592E+22	8,504613E+21	5,334811E+21	2,451911E+21	6,284161E+20	4,714027E+19	4,715093E+19	6,285223E+20	2,452154E+21
2859	5,335105E+21	8,504715E+21	1,080578E+22	1,080569E+22	8,504683E+21	5,335144E+21	2,452167E+21	6,285075E+20	4,713774E+19	4,711799E+19	6,283368E+20	2,451842E+21
2860	5,334767E+21	8,504540E+21	1,080614E+22	1,080645E+22	8,505209E+21	5,335284E+21	2,452054E+21	6,283861E+20	4,711716E+19	4,712180E+19	6,284294E+20	2,452091E+21
2861	5,335215E+21	8,505050E+21	1,080631E+22	1,080612E+22	8,504635E+21	5,334852E+21	2,451875E+21	6,283153E+20	4,709703E+19	4,710519E+19	6,283873E+20	2,452053E+21
2862	5,335154E+21	8,504884E+21	1,080604E+22	1,080604E+22	8,504892E+21	5,335207E+21	2,452157E+21	6,284554E+20	4,711760E+19	4,710241E+19	6,283028E+20	2,451835E+21
2863	5,334903E+21	8,504883E+21	1,080644E+22	1,080648E+22	8,505058E+21	5,335047E+21	2,451912E+21	6,283399E+20	4,711134E+19	4,712865E+19	6,284818E+20	2,452165E+21
2864	5,335233E+21	8,504991E+21	1,080619E+22	1,080588E+22	8,504471E+21	5,334837E+21	2,451966E+21	6,284363E+20	4,713540E+19	4,713024E+19	6,284174E+20	2,451986E+21
2865	5,334876E+21	8,504409E+21	1,080566E+22	1,080592E+22	8,504866E+21	5,335216E+21	2,452220E+21	6,285699E+20	4,717119E+19	4,716634E+19	6,284963E+20	2,452022E+21
2866	5,334890E+21	8,504453E+21	1,080554E+22	1,080560E+22	8,504503E+21	5,334825E+21	2,451981E+21	6,285186E+20	4,718626E+19	4,720478E+19	6,286915E+20	2,452312E+21
2867	5,335106E+21	8,504388E+21	1,080497E+22	1,080464E+22	8,503944E+21	5,334883E+21	2,452266E+21	6,287389E+20	4,723625E+19	4,722475E+19	6,286294E+20	2,452047E+21
2868	5,334621E+21	8,503805E+21	1,080468E+22	1,080490E+22	8,504286E+21	5,335064E+21	2,452329E+21	6,287824E+20	4,726186E+19	4,726645E+19	6,287847E+20	2,452241E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2869	5,334848E+21	8,504018E+21	1,080456E+22	1,080436E+22	8,503591E+21	5,334510E+21	2,452109E+21	6,287645E+20	4,727799E+19	4,728942E+19	6,288857E+20	2,452361E+21
2870	5,334800E+21	8,503629E+21	1,080387E+22	1,080381E+22	8,503573E+21	5,334819E+21	2,452443E+21	6,289651E+20	4,731324E+19	4,729991E+19	6,288120E+20	2,452121E+21
2871	5,334427E+21	8,503317E+21	1,080393E+22	1,080419E+22	8,503860E+21	5,334814E+21	2,452275E+21	6,288676E+20	4,731087E+19	4,732201E+19	6,289803E+20	2,452468E+21
2872	5,334887E+21	8,503667E+21	1,080388E+22	1,080366E+22	8,503216E+21	5,334475E+21	2,452218E+21	6,288743E+20	4,730815E+19	4,730970E+19	6,289013E+20	2,452338E+21
2873	5,334712E+21	8,503416E+21	1,080366E+22	1,080384E+22	8,503698E+21	5,334908E+21	2,452461E+21	6,289504E+20	4,730825E+19	4,729466E+19	6,288128E+20	2,452180E+21
2874	5,334641E+21	8,503701E+21	1,080425E+22	1,080426E+22	8,503756E+21	5,334665E+21	2,452154E+21	6,287757E+20	4,728071E+19	4,729229E+19	6,289053E+20	2,452428E+21
2875	5,334986E+21	8,504017E+21	1,080441E+22	1,080406E+22	8,503475E+21	5,334673E+21	2,452271E+21	6,288189E+20	4,726764E+19	4,725515E+19	6,287041E+20	2,452087E+21
2876	5,334569E+21	8,503646E+21	1,080453E+22	1,080490E+22	8,504312E+21	5,335061E+21	2,452333E+21	6,287735E+20	4,725076E+19	4,724018E+19	6,286867E+20	2,452127E+21
2877	5,334810E+21	8,504147E+21	1,080495E+22	1,080497E+22	8,504092E+21	5,334672E+21	2,451999E+21	6,285898E+20	4,721146E+19	4,722570E+19	6,287245E+20	2,452294E+21
2878	5,335002E+21	8,504214E+21	1,080484E+22	1,080472E+22	8,504085E+21	5,334947E+21	2,452247E+21	6,286809E+20	4,720673E+19	4,718991E+19	6,285303E+20	2,451974E+21
2879	5,334670E+21	8,504064E+21	1,080520E+22	1,080544E+22	8,504587E+21	5,335093E+21	2,452152E+21	6,285708E+20	4,718895E+19	4,719561E+19	6,286233E+20	2,452210E+21
2880	5,335091E+21	8,504568E+21	1,080550E+22	1,080529E+22	8,504069E+21	5,334650E+21	2,451973E+21	6,285119E+20	4,717297E+19	4,718019E+19	6,285779E+20	2,452141E+21
2881	5,334960E+21	8,504332E+21	1,080518E+22	1,080524E+22	8,504407E+21	5,335034E+21	2,452253E+21	6,286604E+20	4,719760E+19	4,718071E+19	6,285047E+20	2,451936E+21
2882	5,334669E+21	8,504192E+21	1,080533E+22	1,080545E+22	8,504517E+21	5,334921E+21	2,452045E+21	6,285665E+20	4,719914E+19	4,721536E+19	6,287054E+20	2,452294E+21
2883	5,335043E+21	8,504333E+21	1,080507E+22	1,080477E+22	8,503848E+21	5,334719E+21	2,452132E+21	6,286756E+20	4,722767E+19	4,722305E+19	6,286577E+20	2,452129E+21
2884	5,334700E+21	8,503723E+21	1,080446E+22	1,080477E+22	8,504241E+21	5,335073E+21	2,452383E+21	6,288166E+20	4,726440E+19	4,725884E+19	6,287264E+20	2,452140E+21
2885	5,334743E+21	8,503908E+21	1,080444E+22	1,080440E+22	8,503784E+21	5,334618E+21	2,452105E+21	6,287489E+20	4,727675E+19	4,729678E+19	6,289311E+20	2,452450E+21
2886	5,334942E+21	8,503816E+21	1,080396E+22	1,080358E+22	8,503244E+21	5,334640E+21	2,452376E+21	6,289643E+20	4,732338E+19	4,731322E+19	6,288609E+20	2,452173E+21
2887	5,334417E+21	8,503149E+21	1,080358E+22	1,080382E+22	8,503634E+21	5,334848E+21	2,452444E+21	6,290081E+20	4,734973E+19	4,735496E+19	6,290194E+20	2,452380E+21
2888	5,334645E+21	8,503325E+21	1,080349E+22	1,080339E+22	8,503022E+21	5,334328E+21	2,452220E+21	6,289827E+20	4,736371E+19	4,737517E+19	6,291108E+20	2,452501E+21
2889	5,334637E+21	8,503004E+21	1,080280E+22	1,080281E+22	8,503029E+21	5,334666E+21	2,452550E+21	6,291674E+20	4,739340E+19	4,737979E+19	6,290233E+20	2,452263E+21
2890	5,334295E+21	8,502740E+21	1,080283E+22	1,080305E+22	8,503215E+21	5,334658E+21	2,452409E+21	6,290803E+20	4,739174E+19	4,740112E+19	6,291797E+20	2,452586E+21
2891	5,334775E+21	8,503220E+21	1,080301E+22	1,080268E+22	8,502593E+21	5,334316E+21	2,452355E+21	6,290864E+20	4,738787E+19	4,738767E+19	6,290915E+20	2,452418E+21
2892	5,334525E+21	8,502891E+21	1,080281E+22	1,080301E+22	8,503197E+21	5,334753E+21	2,452582E+21	6,291580E+20	4,738660E+19	4,736938E+19	6,289884E+20	2,452229E+21
2893	5,334432E+21	8,503194E+21	1,080341E+22	1,080342E+22	8,503255E+21	5,334500E+21	2,452240E+21	6,289593E+20	4,735423E+19	4,736666E+19	6,290977E+20	2,452523E+21
2894	5,334780E+21	8,503428E+21	1,080351E+22	1,080325E+22	8,503006E+21	5,334515E+21	2,452348E+21	6,289881E+20	4,733591E+19	4,732589E+19	6,288949E+20	2,452205E+21
2895	5,334405E+21	8,503043E+21	1,080349E+22	1,080393E+22	8,503791E+21	5,334936E+21	2,452437E+21	6,289441E+20	4,731844E+19	4,731086E+19	6,288788E+20	2,452260E+21
2896	5,334691E+21	8,503617E+21	1,080405E+22	1,080410E+22	8,503565E+21	5,334516E+21	2,452101E+21	6,287636E+20	4,727851E+19	4,729381E+19	6,289020E+20	2,452401E+21
2897	5,334893E+21	8,503773E+21	1,080401E+22	1,080386E+22	8,503565E+21	5,334780E+21	2,452336E+21	6,288571E+20	4,727522E+19	4,725736E+19	6,287055E+20	2,452068E+21
2898	5,334514E+21	8,503560E+21	1,080429E+22	1,080448E+22	8,503995E+21	5,334930E+21	2,452275E+21	6,287759E+20	4,726589E+19	4,727056E+19	6,288128E+20	2,452305E+21
2899	5,334915E+21	8,504047E+21	1,080463E+22	1,080438E+22	8,503507E+21	5,334492E+21	2,452103E+21	6,287325E+20	4,725785E+19	4,726362E+19	6,287921E+20	2,452255E+21
2900	5,334753E+21	8,503671E+21	1,080411E+22	1,080428E+22	8,503904E+21	5,334900E+21	2,452381E+21	6,288856E+20	4,728608E+19	4,726871E+19	6,287278E+20	2,452063E+21
2901	5,334525E+21	8,503618E+21	1,080422E+22	1,080433E+22	8,503880E+21	5,334754E+21	2,452163E+21	6,287813E+20	4,728620E+19	4,730616E+19	6,289494E+20	2,452462E+21
2902	5,334932E+21	8,503788E+21	1,080401E+22	1,080366E+22	8,503149E+21	5,334489E+21	2,452243E+21	6,288935E+20	4,731373E+19	4,731248E+19	6,288946E+20	2,452277E+21
2903	5,334563E+21	8,503162E+21	1,080337E+22	1,080362E+22	8,503544E+21	5,334868E+21	2,452513E+21	6,290441E+20	4,735237E+19	4,734872E+19	6,289590E+20	2,452260E+21
2904	5,334538E+21	8,503285E+21	1,080347E+22	1,080345E+22	8,503161E+21	5,334406E+21	2,452229E+21	6,289806E+20	4,736596E+19	4,738488E+19	6,291529E+20	2,452545E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2905	5,334691E+21	8,503129E+21	1,080289E+22	1,080261E+22	8,502689E+21	5,334452E+21	2,452491E+21	6,291915E+20	4,741186E+19	4,739991E+19	6,290852E+20	2,452287E+21
2906	5,334159E+21	8,502379E+21	1,080233E+22	1,080264E+22	8,503014E+21	5,334709E+21	2,452595E+21	6,292456E+20	4,744034E+19	4,744324E+19	6,292468E+20	2,452517E+21
2907	5,334462E+21	8,502664E+21	1,080233E+22	1,080222E+22	8,502367E+21	5,334189E+21	2,452381E+21	6,292192E+20	4,745355E+19	4,746371E+19	6,293373E+20	2,452638E+21
2908	5,334480E+21	8,502391E+21	1,080169E+22	1,080172E+22	8,502426E+21	5,334506E+21	2,452687E+21	6,293911E+20	4,747851E+19	4,746260E+19	6,292253E+20	2,452367E+21
2909	5,334180E+21	8,502301E+21	1,080191E+22	1,080202E+22	8,502570E+21	5,334456E+21	2,452512E+21	6,292804E+20	4,747082E+19	4,748063E+19	6,293833E+20	2,452696E+21
2910	5,334626E+21	8,502752E+21	1,080221E+22	1,080185E+22	8,502036E+21	5,334100E+21	2,452439E+21	6,292716E+20	4,746058E+19	4,746164E+19	6,292830E+20	2,452514E+21
2911	5,334337E+21	8,502341E+21	1,080192E+22	1,080218E+22	8,502721E+21	5,334596E+21	2,452672E+21	6,293376E+20	4,745805E+19	4,744212E+19	6,291805E+20	2,452336E+21
2912	5,334233E+21	8,502588E+21	1,080253E+22	1,080267E+22	8,502838E+21	5,334379E+21	2,452335E+21	6,291313E+20	4,742275E+19	4,743620E+19	6,292798E+20	2,452634E+21
2913	5,334632E+21	8,502885E+21	1,080259E+22	1,080239E+22	8,502561E+21	5,334399E+21	2,452445E+21	6,291524E+20	4,740105E+19	4,739188E+19	6,290736E+20	2,452325E+21
2914	5,334289E+21	8,502543E+21	1,080250E+22	1,080288E+22	8,503195E+21	5,334794E+21	2,452564E+21	6,291312E+20	4,738837E+19	4,737997E+19	6,290564E+20	2,452369E+21
2915	5,334584E+21	8,503202E+21	1,080322E+22	1,080316E+22	8,502973E+21	5,334358E+21	2,452229E+21	6,289639E+20	4,735348E+19	4,736738E+19	6,290865E+20	2,452487E+21
2916	5,334717E+21	8,503267E+21	1,080317E+22	1,080303E+22	8,503055E+21	5,334605E+21	2,452442E+21	6,290603E+20	4,735388E+19	4,733371E+19	6,288913E+20	2,452145E+21
2917	5,334340E+21	8,503056E+21	1,080339E+22	1,080356E+22	8,503427E+21	5,334728E+21	2,452363E+21	6,289747E+20	4,734609E+19	4,735233E+19	6,290283E+20	2,452433E+21
2918	5,334739E+21	8,503458E+21	1,080365E+22	1,080346E+22	8,502970E+21	5,334306E+21	2,452195E+21	6,289284E+20	4,733735E+19	4,734602E+19	6,290138E+20	2,452402E+21
2919	5,334605E+21	8,503066E+21	1,080302E+22	1,080320E+22	8,503305E+21	5,334738E+21	2,452502E+21	6,290912E+20	4,736781E+19	4,735377E+19	6,289542E+20	2,452207E+21
2920	5,334367E+21	8,503021E+21	1,080322E+22	1,080334E+22	8,503276E+21	5,334580E+21	2,452297E+21	6,289986E+20	4,736952E+19	4,738944E+19	6,291606E+20	2,452570E+21
2921	5,334757E+21	8,503231E+21	1,080303E+22	1,080267E+22	8,502573E+21	5,334316E+21	2,452371E+21	6,291135E+20	4,739832E+19	4,739582E+19	6,291077E+20	2,452372E+21
2922	5,334324E+21	8,502504E+21	1,080225E+22	1,080248E+22	8,502877E+21	5,334693E+21	2,452674E+21	6,292920E+20	4,744435E+19	4,743765E+19	6,291833E+20	2,452366E+21
2923	5,334287E+21	8,502583E+21	1,080234E+22	1,080236E+22	8,502548E+21	5,334245E+21	2,452388E+21	6,292382E+20	4,746346E+19	4,747953E+19	6,293934E+20	2,452671E+21
2924	5,334446E+21	8,502358E+21	1,080165E+22	1,080149E+22	8,502111E+21	5,334299E+21	2,452632E+21	6,294363E+20	4,750770E+19	4,749437E+19	6,293239E+20	2,452434E+21
2925	5,334024E+21	8,501768E+21	1,080112E+22	1,080139E+22	8,502281E+21	5,334491E+21	2,452715E+21	6,294706E+20	4,753054E+19	4,753557E+19	6,294934E+20	2,452695E+21
2926	5,334369E+21	8,502150E+21	1,080131E+22	1,080112E+22	8,501665E+21	5,333938E+21	2,452481E+21	6,294280E+20	4,753644E+19	4,754940E+19	6,295624E+20	2,452783E+21
2927	5,334366E+21	8,501910E+21	1,080076E+22	1,080070E+22	8,501786E+21	5,334292E+21	2,452784E+21	6,295895E+20	4,755767E+19	4,754392E+19	6,294361E+20	2,452476E+21
2928	5,333991E+21	8,501771E+21	1,080113E+22	1,080126E+22	8,502061E+21	5,334271E+21	2,452611E+21	6,294731E+20	4,754633E+19	4,755554E+19	6,295713E+20	2,452776E+21
2929	5,334409E+21	8,502177E+21	1,080134E+22	1,080110E+22	8,501647E+21	5,333970E+21	2,452529E+21	6,294482E+20	4,753093E+19	4,753189E+19	6,294658E+20	2,452602E+21
2930	5,334112E+21	8,501692E+21	1,080086E+22	1,080120E+22	8,502239E+21	5,334508E+21	2,452805E+21	6,295260E+20	4,752959E+19	4,751249E+19	6,293633E+20	2,452447E+21
2931	5,334075E+21	8,502022E+21	1,080154E+22	1,080169E+22	8,502323E+21	5,334282E+21	2,452478E+21	6,293258E+20	4,749520E+19	4,750738E+19	6,294595E+20	2,452736E+21
2932	5,334487E+21	8,502360E+21	1,080164E+22	1,080145E+22	8,502045E+21	5,334259E+21	2,452565E+21	6,293422E+20	4,747241E+19	4,746093E+19	6,292424E+20	2,452417E+21
2933	5,334199E+21	8,502162E+21	1,080168E+22	1,080192E+22	8,502565E+21	5,334580E+21	2,452655E+21	6,293137E+20	4,745962E+19	4,745186E+19	6,292443E+20	2,452480E+21
2934	5,334456E+21	8,502777E+21	1,080248E+22	1,080235E+22	8,502406E+21	5,334120E+21	2,452306E+21	6,291462E+20	4,742521E+19	4,744055E+19	6,292805E+20	2,452600E+21
2935	5,334554E+21	8,502742E+21	1,080229E+22	1,080217E+22	8,502556E+21	5,334425E+21	2,452523E+21	6,292443E+20	4,742951E+19	4,741193E+19	6,291005E+20	2,452274E+21
2936	5,334159E+21	8,502466E+21	1,080249E+22	1,080274E+22	8,502965E+21	5,334580E+21	2,452461E+21	6,291640E+20	4,742270E+19	4,743070E+19	6,292325E+20	2,452559E+21
2937	5,334593E+21	8,502893E+21	1,080265E+22	1,080251E+22	8,502471E+21	5,334166E+21	2,452308E+21	6,291238E+20	4,741511E+19	4,742457E+19	6,292190E+20	2,452520E+21
2938	5,334437E+21	8,502483E+21	1,080193E+22	1,080206E+22	8,502660E+21	5,334589E+21	2,452665E+21	6,293212E+20	4,745296E+19	4,743748E+19	6,291644E+20	2,452314E+21
2939	5,334174E+21	8,502435E+21	1,080220E+22	1,080226E+22	8,502652E+21	5,334425E+21	2,452466E+21	6,292508E+20	4,746271E+19	4,747916E+19	6,293794E+20	2,452651E+21
2940	5,334482E+21	8,502519E+21	1,080193E+22	1,080163E+22	8,501996E+21	5,334146E+21	2,452523E+21	6,293675E+20	4,749465E+19	4,748885E+19	6,293370E+20	2,452478E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2941	5,334096E+21	8,501812E+21	1,080106E+22	1,080128E+22	8,502185E+21	5,334473E+21	2,452796E+21	6,295326E+20	4,753985E+19	4,753435E+19	6,294404E+20	2,452532E+21
2942	5,334097E+21	8,501874E+21	1,080113E+22	1,080117E+22	8,501861E+21	5,334017E+21	2,452501E+21	6,294641E+20	4,755423E+19	4,757348E+19	6,296472E+20	2,452853E+21
2943	5,334315E+21	8,501719E+21	1,080045E+22	1,080026E+22	8,501409E+21	5,334085E+21	2,452742E+21	6,296497E+20	4,759426E+19	4,758497E+19	6,295658E+20	2,452601E+21
2944	5,333901E+21	8,501228E+21	1,080017E+22	1,080039E+22	8,501639E+21	5,334267E+21	2,452818E+21	6,296783E+20	4,761228E+19	4,761757E+19	6,297023E+20	2,452814E+21
2945	5,334235E+21	8,501672E+21	1,080044E+22	1,080022E+22	8,501136E+21	5,333763E+21	2,452586E+21	6,296257E+20	4,761361E+19	4,762573E+19	6,297552E+20	2,452868E+21
2946	5,334154E+21	8,501347E+21	1,079985E+22	1,079977E+22	8,501246E+21	5,334147E+21	2,452923E+21	6,298019E+20	4,763656E+19	4,761999E+19	6,296274E+20	2,452566E+21
2947	5,333769E+21	8,501158E+21	1,080019E+22	1,080039E+22	8,501621E+21	5,334178E+21	2,452755E+21	6,296892E+20	4,762713E+19	4,763297E+19	6,297625E+20	2,452863E+21
2948	5,334181E+21	8,501513E+21	1,080030E+22	1,080018E+22	8,501224E+21	5,333890E+21	2,452662E+21	6,296471E+20	4,760720E+19	4,760680E+19	6,296531E+20	2,452717E+21
2949	5,334004E+21	8,501187E+21	1,079986E+22	1,080010E+22	8,501598E+21	5,334327E+21	2,452911E+21	6,297113E+20	4,760238E+19	4,758676E+19	6,295613E+20	2,452589E+21
2950	5,333995E+21	8,501584E+21	1,080068E+22	1,080073E+22	8,501707E+21	5,334057E+21	2,452563E+21	6,295026E+20	4,756395E+19	4,757826E+19	6,296450E+20	2,452852E+21
2951	5,334379E+21	8,501934E+21	1,080084E+22	1,080057E+22	8,501472E+21	5,334042E+21	2,452633E+21	6,295137E+20	4,754205E+19	4,753260E+19	6,294294E+20	2,452516E+21
2952	5,334019E+21	8,501675E+21	1,080099E+22	1,080122E+22	8,502076E+21	5,334368E+21	2,452725E+21	6,294915E+20	4,753042E+19	4,752251E+19	6,294246E+20	2,452570E+21
2953	5,334267E+21	8,502231E+21	1,080164E+22	1,080160E+22	8,502022E+21	5,333992E+21	2,452389E+21	6,293201E+20	4,749562E+19	4,751116E+19	6,294646E+20	2,452696E+21
2954	5,334348E+21	8,502116E+21	1,080127E+22	1,080117E+22	8,502048E+21	5,334325E+21	2,452660E+21	6,294432E+20	4,750584E+19	4,748793E+19	6,292974E+20	2,452394E+21
2955	5,333999E+21	8,501876E+21	1,080145E+22	1,080171E+22	8,502441E+21	5,334484E+21	2,452623E+21	6,293871E+20	4,750542E+19	4,751148E+19	6,294303E+20	2,452652E+21
2956	5,334401E+21	8,502287E+21	1,080160E+22	1,080147E+22	8,501936E+21	5,334041E+21	2,452459E+21	6,293525E+20	4,750117E+19	4,750810E+19	6,294224E+20	2,452619E+21
2957	5,334279E+21	8,501931E+21	1,080090E+22	1,080090E+22	8,501941E+21	5,334370E+21	2,452796E+21	6,295535E+20	4,754234E+19	4,752749E+19	6,293988E+20	2,452449E+21
2958	5,333980E+21	8,501802E+21	1,080116E+22	1,080121E+22	8,501983E+21	5,334173E+21	2,452581E+21	6,294830E+20	4,755318E+19	4,757121E+19	6,296232E+20	2,452799E+21
2959	5,334278E+21	8,501818E+21	1,080076E+22	1,080050E+22	8,501353E+21	5,333928E+21	2,452624E+21	6,295926E+20	4,758665E+19	4,758446E+19	6,295964E+20	2,452655E+21
2960	5,333918E+21	8,501138E+21	1,079997E+22	1,080019E+22	8,501529E+21	5,334252E+21	2,452898E+21	6,297508E+20	4,762828E+19	4,762538E+19	6,296837E+20	2,452707E+21
2961	5,333993E+21	8,501311E+21	1,080005E+22	1,080005E+22	8,501222E+21	5,333822E+21	2,452611E+21	6,296746E+20	4,763858E+19	4,765911E+19	6,298708E+20	2,452992E+21
2962	5,334181E+21	8,501181E+21	1,079942E+22	1,079912E+22	8,500727E+21	5,333898E+21	2,452883E+21	6,298759E+20	4,767989E+19	4,766973E+19	6,297777E+20	2,452711E+21
2963	5,333735E+21	8,500700E+21	1,079925E+22	1,079943E+22	8,501089E+21	5,334118E+21	2,452968E+21	6,299174E+20	4,770116E+19	4,770190E+19	6,299019E+20	2,452876E+21
2964	5,333969E+21	8,501020E+21	1,079947E+22	1,079934E+22	8,500695E+21	5,333653E+21	2,452731E+21	6,298565E+20	4,770038E+19	4,770828E+19	6,299523E+20	2,452949E+21
2965	5,333929E+21	8,500692E+21	1,079880E+22	1,079875E+22	8,500692E+21	5,333999E+21	2,453046E+21	6,300130E+20	4,771878E+19	4,770215E+19	6,298434E+20	2,452701E+21
2966	5,333587E+21	8,500505E+21	1,079914E+22	1,079938E+22	8,501048E+21	5,334006E+21	2,452867E+21	6,298827E+20	4,770266E+19	4,771030E+19	6,299670E+20	2,452998E+21
2967	5,334043E+21	8,500933E+21	1,079926E+22	1,079912E+22	8,500624E+21	5,333717E+21	2,452758E+21	6,298250E+20	4,767782E+19	4,768057E+19	6,298502E+20	2,452846E+21
2968	5,333884E+21	8,500736E+21	1,079908E+22	1,079923E+22	8,501017E+21	5,334113E+21	2,452982E+21	6,298777E+20	4,766838E+19	4,765328E+19	6,297328E+20	2,452691E+21
2969	5,333890E+21	8,501185E+21	1,079995E+22	1,079993E+22	8,501212E+21	5,333879E+21	2,452636E+21	6,296652E+20	4,762817E+19	4,764215E+19	6,298075E+20	2,452926E+21
2970	5,334203E+21	8,501437E+21	1,080005E+22	1,079977E+22	8,500989E+21	5,333893E+21	2,452737E+21	6,296965E+20	4,761182E+19	4,760069E+19	6,296031E+20	2,452610E+21
2971	5,333847E+21	8,501131E+21	1,080013E+22	1,080044E+22	8,501695E+21	5,334276E+21	2,452843E+21	6,296914E+20	4,760713E+19	4,759656E+19	6,296067E+20	2,452659E+21
2972	5,334072E+21	8,501614E+21	1,080065E+22	1,080070E+22	8,501617E+21	5,333929E+21	2,452527E+21	6,295218E+20	4,757331E+19	4,758744E+19	6,296546E+20	2,452814E+21
2973	5,334242E+21	8,501596E+21	1,080026E+22	1,080006E+22	8,501392E+21	5,334150E+21	2,452784E+21	6,296489E+20	4,758597E+19	4,756993E+19	6,295137E+20	2,452538E+21
2974	5,333884E+21	8,501361E+21	1,080050E+22	1,080066E+22	8,501771E+21	5,334259E+21	2,452739E+21	6,295988E+20	4,758686E+19	4,759526E+19	6,296457E+20	2,452765E+21
2975	5,334220E+21	8,501713E+21	1,080061E+22	1,080043E+22	8,501288E+21	5,333826E+21	2,452564E+21	6,295680E+20	4,758693E+19	4,759648E+19	6,296542E+20	2,452738E+21
2976	5,334047E+21	8,501299E+21	1,079997E+22	1,079995E+22	8,501318E+21	5,334130E+21	2,452887E+21	6,297707E+20	4,762912E+19	4,761551E+19	6,296292E+20	2,452584E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2977	5,333786E+21	8,501131E+21	1,080006E+22	1,080017E+22	8,501422E+21	5,334001E+21	2,452684E+21	6,296960E+20	4,763915E+19	4,765799E+19	6,298512E+20	2,452937E+21
2978	5,334084E+21	8,501115E+21	1,079956E+22	1,079930E+22	8,500693E+21	5,333766E+21	2,452770E+21	6,298228E+20	4,767549E+19	4,767336E+19	6,298278E+20	2,452810E+21
2979	5,333782E+21	8,500528E+21	1,079884E+22	1,079906E+22	8,500914E+21	5,334096E+21	2,453051E+21	6,299961E+20	4,772036E+19	4,771419E+19	6,299004E+20	2,452814E+21
2980	5,333810E+21	8,500718E+21	1,079901E+22	1,079900E+22	8,500656E+21	5,333693E+21	2,452771E+21	6,299183E+20	4,772993E+19	4,774640E+19	6,300805E+20	2,453092E+21
2981	5,334014E+21	8,500627E+21	1,079843E+22	1,079803E+22	8,500038E+21	5,333693E+21	2,453022E+21	6,301141E+20	4,777085E+19	4,775990E+19	6,300079E+20	2,452833E+21
2982	5,333526E+21	8,500067E+21	1,079826E+22	1,079848E+22	8,500509E+21	5,333918E+21	2,453092E+21	6,301451E+20	4,778891E+19	4,778960E+19	6,301267E+20	2,452993E+21
2983	5,333744E+21	8,500322E+21	1,079837E+22	1,079833E+22	8,500167E+21	5,333506E+21	2,452836E+21	6,300618E+20	4,778383E+19	4,779483E+19	6,301823E+20	2,453090E+21
2984	5,333738E+21	8,500053E+21	1,079779E+22	1,079776E+22	8,500094E+21	5,333815E+21	2,453136E+21	6,301978E+20	4,779371E+19	4,777941E+19	6,300507E+20	2,452851E+21
2985	5,333498E+21	8,499999E+21	1,079816E+22	1,079838E+22	8,500469E+21	5,333837E+21	2,452956E+21	6,300528E+20	4,777048E+19	4,777914E+19	6,301448E+20	2,453104E+21
2986	5,333923E+21	8,500467E+21	1,079839E+22	1,079816E+22	8,500013E+21	5,333536E+21	2,452863E+21	6,300060E+20	4,774631E+19	4,774844E+19	6,300222E+20	2,452940E+21
2987	5,333755E+21	8,500299E+21	1,079831E+22	1,079845E+22	8,500543E+21	5,333958E+21	2,453083E+21	6,300714E+20	4,774153E+19	4,772254E+19	6,298983E+20	2,452747E+21
2988	5,333682E+21	8,500654E+21	1,079913E+22	1,079920E+22	8,500834E+21	5,333784E+21	2,452750E+21	6,298581E+20	4,770183E+19	4,771281E+19	6,299796E+20	2,453012E+21
2989	5,334039E+21	8,500882E+21	1,079912E+22	1,079885E+22	8,500471E+21	5,333753E+21	2,452838E+21	6,298822E+20	4,768626E+19	4,767643E+19	6,298042E+20	2,452744E+21
2990	5,333715E+21	8,500573E+21	1,079917E+22	1,079951E+22	8,501152E+21	5,334120E+21	2,452951E+21	6,298766E+20	4,768025E+19	4,767239E+19	6,298035E+20	2,452779E+21
2991	5,333938E+21	8,501069E+21	1,079965E+22	1,079969E+22	8,501040E+21	5,333775E+21	2,452631E+21	6,297097E+20	4,764802E+19	4,766524E+19	6,298574E+20	2,452926E+21
2992	5,334082E+21	8,501104E+21	1,079943E+22	1,079915E+22	8,500770E+21	5,333940E+21	2,452877E+21	6,298411E+20	4,766151E+19	4,764662E+19	6,297133E+20	2,452651E+21
2993	5,333738E+21	8,500848E+21	1,079960E+22	1,079974E+22	8,501199E+21	5,334076E+21	2,452842E+21	6,297985E+20	4,766460E+19	4,767285E+19	6,298439E+20	2,452855E+21
2994	5,333990E+21	8,501067E+21	1,079960E+22	1,079944E+22	8,500701E+21	5,333657E+21	2,452696E+21	6,297930E+20	4,767278E+19	4,768121E+19	6,298755E+20	2,452871E+21
2995	5,333857E+21	8,500629E+21	1,079885E+22	1,079894E+22	8,500796E+21	5,333991E+21	2,453021E+21	6,300097E+20	4,772170E+19	4,770588E+19	6,298564E+20	2,452712E+21
2996	5,333600E+21	8,500453E+21	1,079888E+22	1,079903E+22	8,500841E+21	5,333886E+21	2,452844E+21	6,299389E+20	4,773229E+19	4,774895E+19	6,300802E+20	2,453088E+21
2997	5,333976E+21	8,500534E+21	1,079841E+22	1,079806E+22	8,499934E+21	5,333548E+21	2,452909E+21	6,300647E+20	4,776953E+19	4,776818E+19	6,300725E+20	2,452966E+21
2998	5,333656E+21	8,499982E+21	1,079783E+22	1,079797E+22	8,500205E+21	5,333853E+21	2,453176E+21	6,302345E+20	4,781313E+19	4,780767E+19	6,301348E+20	2,452926E+21
2999	5,333596E+21	8,500084E+21	1,079797E+22	1,079795E+22	8,500026E+21	5,333504E+21	2,452896E+21	6,301535E+20	4,782283E+19	4,784032E+19	6,303203E+20	2,453200E+21