

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°
-3000	2,284845E+21	4,849558E+21	6,619539E+21	6,619372E+21	4,849138E+21	2,284505E+21	5,109904E+20	3,780292E+18	0,000000E+00	0,000000E+00	3,781369E+18	5,111262E+20
-2999	2,284646E+21	4,849046E+21	6,619003E+21	6,619214E+21	4,849369E+21	2,284793E+21	5,111585E+20	3,782313E+18	0,000000E+00	0,000000E+00	3,783493E+18	5,110461E+20
-2998	2,284530E+21	4,849037E+21	6,619013E+21	6,619020E+21	4,849095E+21	2,284659E+21	5,111442E+20	3,786843E+18	0,000000E+00	0,000000E+00	3,787148E+18	5,112109E+20
-2997	2,284763E+21	4,849084E+21	6,618777E+21	6,618626E+21	4,848732E+21	2,284474E+21	5,110728E+20	3,784921E+18	0,000000E+00	0,000000E+00	3,786464E+18	5,111339E+20
-2996	2,284450E+21	4,848515E+21	6,618330E+21	6,618451E+21	4,848802E+21	2,284687E+21	5,112545E+20	3,790069E+18	0,000000E+00	0,000000E+00	3,789424E+18	5,111186E+20
-2995	2,284493E+21	4,848680E+21	6,618411E+21	6,618283E+21	4,848395E+21	2,284358E+21	5,111251E+20	3,790711E+18	0,000000E+00	0,000000E+00	3,792032E+18	5,112643E+20
-2994	2,284592E+21	4,848507E+21	6,618048E+21	6,618037E+21	4,848395E+21	2,284428E+21	5,111530E+20	3,790156E+18	0,000000E+00	0,000000E+00	3,791243E+18	5,111428E+20
-2993	2,284300E+21	4,848193E+21	6,617994E+21	6,618083E+21	4,848482E+21	2,284566E+21	5,112652E+20	3,793257E+18	0,000000E+00	0,000000E+00	3,793091E+18	5,112155E+20
-2992	2,284588E+21	4,848586E+21	6,618165E+21	6,618008E+21	4,848178E+21	2,284261E+21	5,110967E+20	3,791001E+18	0,000000E+00	0,000000E+00	3,792990E+18	5,112551E+20
-2991	2,284512E+21	4,848336E+21	6,617894E+21	6,618020E+21	4,848513E+21	2,284559E+21	5,112173E+20	3,790841E+18	0,000000E+00	0,000000E+00	3,789730E+18	5,111055E+20
-2990	2,284332E+21	4,848419E+21	6,618258E+21	6,618269E+21	4,848573E+21	2,284557E+21	5,112277E+20	3,791881E+18	0,000000E+00	0,000000E+00	3,791572E+18	5,112237E+20
-2989	2,284646E+21	4,848757E+21	6,618432E+21	6,618312E+21	4,848453E+21	2,284367E+21	5,110832E+20	3,788601E+18	0,000000E+00	0,000000E+00	3,788212E+18	5,111616E+20
-2988	2,284438E+21	4,848453E+21	6,618272E+21	6,618495E+21	4,848877E+21	2,284685E+21	5,112196E+20	3,787194E+18	0,000000E+00	0,000000E+00	3,786646E+18	5,110869E+20
-2987	2,284497E+21	4,848837E+21	6,618722E+21	6,618695E+21	4,848789E+21	2,284506E+21	5,111092E+20	3,787004E+18	0,000000E+00	0,000000E+00	3,788428E+18	5,112341E+20
-2986	2,284767E+21	4,849051E+21	6,618771E+21	6,618736E+21	4,848892E+21	2,284537E+21	5,110603E+20	3,782883E+18	0,000000E+00	0,000000E+00	3,783061E+18	5,110953E+20
-2985	2,284530E+21	4,848900E+21	6,618901E+21	6,618986E+21	4,849174E+21	2,284764E+21	5,111942E+20	3,784000E+18	0,000000E+00	0,000000E+00	3,784626E+18	5,111007E+20
-2984	2,284741E+21	4,849344E+21	6,619243E+21	6,619067E+21	4,848935E+21	2,284475E+21	5,110332E+20	3,783837E+18	0,000000E+00	0,000000E+00	3,783955E+18	5,111721E+20
-2983	2,284711E+21	4,849136E+21	6,618963E+21	6,619008E+21	4,849160E+21	2,284673E+21	5,111081E+20	3,781833E+18	0,000000E+00	0,000000E+00	3,782155E+18	5,110373E+20
-2982	2,284451E+21	4,848922E+21	6,619021E+21	6,619091E+21	4,849196E+21	2,284741E+21	5,111904E+20	3,786658E+18	0,000000E+00	0,000000E+00	3,786548E+18	5,111562E+20
-2981	2,284732E+21	4,849141E+21	6,618971E+21	6,618855E+21	4,848819E+21	2,284445E+21	5,110390E+20	3,784649E+18	0,000000E+00	0,000000E+00	3,785611E+18	5,111723E+20
-2980	2,284572E+21	4,848685E+21	6,618420E+21	6,618582E+21	4,848933E+21	2,284684E+21	5,111995E+20	3,786603E+18	0,000000E+00	0,000000E+00	3,787705E+18	5,110867E+20
-2979	2,284434E+21	4,848674E+21	6,618499E+21	6,618443E+21	4,848636E+21	2,284522E+21	5,111763E+20	3,790691E+18	0,000000E+00	0,000000E+00	3,791168E+18	5,112450E+20
-2978	2,284655E+21	4,848705E+21	6,618270E+21	6,618113E+21	4,848335E+21	2,284352E+21	5,111062E+20	3,789049E+18	0,000000E+00	0,000000E+00	3,790902E+18	5,111750E+20
-2977	2,284345E+21	4,848172E+21	6,617886E+21	6,617982E+21	4,848434E+21	2,284565E+21	5,112793E+20	3,793789E+18	0,000000E+00	0,000000E+00	3,793515E+18	5,111619E+20
-2976	2,284407E+21	4,848335E+21	6,617955E+21	6,617838E+21	4,848070E+21	2,284260E+21	5,111497E+20	3,794047E+18	0,000000E+00	0,000000E+00	3,795914E+18	5,113013E+20
-2975	2,284504E+21	4,848154E+21	6,617550E+21	6,617552E+21	4,848070E+21	2,284352E+21	5,111899E+20	3,793870E+18	0,000000E+00	0,000000E+00	3,794856E+18	5,111822E+20
-2974	2,284227E+21	4,847871E+21	6,617526E+21	6,617656E+21	4,848217E+21	2,284512E+21	5,113073E+20	3,796994E+18	0,000000E+00	0,000000E+00	3,796215E+18	5,112369E+20
-2973	2,284497E+21	4,848282E+21	6,617745E+21	6,617589E+21	4,847909E+21	2,284219E+21	5,111458E+20	3,795004E+18	0,000000E+00	0,000000E+00	3,796150E+18	5,112787E+20
-2972	2,284418E+21	4,848033E+21	6,617481E+21	6,617564E+21	4,848167E+21	2,284463E+21	5,112502E+20	3,794282E+18	0,000000E+00	0,000000E+00	3,792943E+18	5,111329E+20
-2971	2,284223E+21	4,848069E+21	6,617845E+21	6,617867E+21	4,848248E+21	2,284447E+21	5,112444E+20	3,794578E+18	0,000000E+00	0,000000E+00	3,794948E+18	5,112588E+20
-2970	2,284572E+21	4,848441E+21	6,618001E+21	6,617916E+21	4,848183E+21	2,284288E+21	5,111005E+20	3,791190E+18	0,000000E+00	0,000000E+00	3,791651E+18	5,112070E+20
-2969	2,284407E+21	4,848246E+21	6,617929E+21	6,618099E+21	4,848591E+21	2,284600E+21	5,112350E+20	3,789480E+18	0,000000E+00	0,000000E+00	3,789432E+18	5,111205E+20
-2968	2,284475E+21	4,848655E+21	6,618414E+21	6,618338E+21	4,848530E+21	2,284439E+21	5,111324E+20	3,789605E+18	0,000000E+00	0,000000E+00	3,790603E+18	5,112443E+20
-2967	2,284691E+21	4,848824E+21	6,618448E+21	6,618360E+21	4,848610E+21	2,284470E+21	5,110978E+20	3,786216E+18	0,000000E+00	0,000000E+00	3,785521E+18	5,111075E+20
-2966	2,284419E+21	4,848591E+21	6,618545E+21	6,618674E+21	4,848946E+21	2,284704E+21	5,112345E+20	3,787877E+18	0,000000E+00	0,000000E+00	3,787530E+18	5,111118E+20
-2965	2,284606E+21	4,848970E+21	6,618811E+21	6,618701E+21	4,848701E+21	2,284428E+21	5,110768E+20	3,787809E+18	0,000000E+00	0,000000E+00	3,787656E+18	5,112070E+20

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	2,284609E+21	4,848758E+21	6,618450E+21	6,618491E+21	4,848799E+21	2,284577E+21	5,111402E+20	3,785500E+18	0,000000E+00	0,000000E+00	3,786488E+18	5,110868E+20
-2963	2,284365E+21	4,848530E+21	6,618488E+21	6,618560E+21	4,848802E+21	2,284629E+21	5,112165E+20	3,789993E+18	0,000000E+00	0,000000E+00	3,790777E+18	5,112034E+20
-2962	2,284665E+21	4,848792E+21	6,618431E+21	6,618306E+21	4,848441E+21	2,284348E+21	5,110735E+20	3,788389E+18	0,000000E+00	0,000000E+00	3,789990E+18	5,112178E+20
-2961	2,284503E+21	4,848404E+21	6,617981E+21	6,618040E+21	4,848512E+21	2,284565E+21	5,112332E+20	3,790614E+18	0,000000E+00	0,000000E+00	3,791656E+18	5,111221E+20
-2960	2,284342E+21	4,848333E+21	6,618048E+21	6,617962E+21	4,848250E+21	2,284403E+21	5,112088E+20	3,794682E+18	0,000000E+00	0,000000E+00	3,794965E+18	5,112705E+20
-2959	2,284523E+21	4,848282E+21	6,617727E+21	6,617593E+21	4,847960E+21	2,284246E+21	5,111463E+20	3,793471E+18	0,000000E+00	0,000000E+00	3,795183E+18	5,112184E+20
-2958	2,284237E+21	4,847749E+21	6,617337E+21	6,617508E+21	4,848122E+21	2,284483E+21	5,113186E+20	3,798075E+18	0,000000E+00	0,000000E+00	3,797504E+18	5,112008E+20
-2957	2,284318E+21	4,847959E+21	6,617430E+21	6,617345E+21	4,847760E+21	2,284205E+21	5,111980E+20	3,798224E+18	0,000000E+00	0,000000E+00	3,799948E+18	5,113431E+20
-2956	2,284437E+21	4,847845E+21	6,617068E+21	6,617011E+21	4,847685E+21	2,284259E+21	5,112280E+20	3,797733E+18	0,000000E+00	0,000000E+00	3,798428E+18	5,112148E+20
-2955	2,284141E+21	4,847563E+21	6,617124E+21	6,617206E+21	4,847852E+21	2,284408E+21	5,113351E+20	3,800124E+18	0,000000E+00	0,000000E+00	3,799485E+18	5,112593E+20
-2954	2,284397E+21	4,847959E+21	6,617335E+21	6,617203E+21	4,847621E+21	2,284136E+21	5,111730E+20	3,798210E+18	0,000000E+00	0,000000E+00	3,799585E+18	5,113076E+20
-2953	2,284331E+21	4,847766E+21	6,617131E+21	6,617194E+21	4,847885E+21	2,284373E+21	5,112662E+20	3,796798E+18	0,000000E+00	0,000000E+00	3,795959E+18	5,111679E+20
-2952	2,284167E+21	4,847799E+21	6,617478E+21	6,617508E+21	4,847989E+21	2,284370E+21	5,112601E+20	3,796883E+18	0,000000E+00	0,000000E+00	3,797636E+18	5,112823E+20
-2951	2,284503E+21	4,848155E+21	6,617593E+21	6,617520E+21	4,847919E+21	2,284228E+21	5,111305E+20	3,793982E+18	0,000000E+00	0,000000E+00	3,794258E+18	5,112364E+20
-2950	2,284357E+21	4,848002E+21	6,617571E+21	6,617762E+21	4,848365E+21	2,284549E+21	5,112694E+20	3,792678E+18	0,000000E+00	0,000000E+00	3,791870E+18	5,111337E+20
-2949	2,284396E+21	4,848408E+21	6,618082E+21	6,617984E+21	4,848281E+21	2,284397E+21	5,111794E+20	3,793429E+18	0,000000E+00	0,000000E+00	3,793466E+18	5,112628E+20
-2948	2,284593E+21	4,848528E+21	6,618072E+21	6,617949E+21	4,848280E+21	2,284373E+21	5,111302E+20	3,789808E+18	0,000000E+00	0,000000E+00	3,789004E+18	5,111379E+20
-2947	2,284312E+21	4,848227E+21	6,618106E+21	6,618256E+21	4,848615E+21	2,284598E+21	5,112557E+20	3,791057E+18	0,000000E+00	0,000000E+00	3,791485E+18	5,111518E+20
-2946	2,284519E+21	4,848601E+21	6,618306E+21	6,618241E+21	4,848392E+21	2,284345E+21	5,111034E+20	3,791058E+18	0,000000E+00	0,000000E+00	3,791916E+18	5,112574E+20
-2945	2,284558E+21	4,848476E+21	6,618000E+21	6,617992E+21	4,848434E+21	2,284475E+21	5,111649E+20	3,788664E+18	0,000000E+00	0,000000E+00	3,790451E+18	5,111331E+20
-2944	2,284319E+21	4,848239E+21	6,618033E+21	6,618063E+21	4,848436E+21	2,284531E+21	5,112472E+20	3,793488E+18	0,000000E+00	0,000000E+00	3,794116E+18	5,112244E+20
-2943	2,284554E+21	4,848438E+21	6,617951E+21	6,617791E+21	4,848057E+21	2,284252E+21	5,111186E+20	3,792621E+18	0,000000E+00	0,000000E+00	3,793763E+18	5,112473E+20
-2942	2,284381E+21	4,848000E+21	6,617483E+21	6,617587E+21	4,848174E+21	2,284467E+21	5,112754E+20	3,795267E+18	0,000000E+00	0,000000E+00	3,795539E+18	5,111481E+20
-2941	2,284211E+21	4,847912E+21	6,617512E+21	6,617468E+21	4,847916E+21	2,284328E+21	5,112568E+20	3,799234E+18	0,000000E+00	0,000000E+00	3,799388E+18	5,113151E+20
-2940	2,284423E+21	4,847880E+21	6,617166E+21	6,617020E+21	4,847546E+21	2,284134E+21	5,111831E+20	3,797692E+18	0,000000E+00	0,000000E+00	3,799778E+18	5,112706E+20
-2939	2,284159E+21	4,847368E+21	6,616805E+21	6,616974E+21	4,847727E+21	2,284375E+21	5,113483E+20	3,801605E+18	0,000000E+00	0,000000E+00	3,801602E+18	5,112432E+20
-2938	2,284250E+21	4,847640E+21	6,616947E+21	6,616851E+21	4,847421E+21	2,284129E+21	5,112379E+20	3,801972E+18	0,000000E+00	0,000000E+00	3,803918E+18	5,113778E+20
-2937	2,284362E+21	4,847593E+21	6,616699E+21	6,616562E+21	4,847325E+21	2,284161E+21	5,112608E+20	3,801334E+18	0,000000E+00	0,000000E+00	3,801694E+18	5,112411E+20
-2936	2,284045E+21	4,847243E+21	6,616733E+21	6,616827E+21	4,847550E+21	2,284314E+21	5,113618E+20	3,803333E+18	0,000000E+00	0,000000E+00	3,802392E+18	5,112723E+20
-2935	2,284266E+21	4,847581E+21	6,616872E+21	6,616789E+21	4,847338E+21	2,284061E+21	5,112051E+20	3,801632E+18	0,000000E+00	0,000000E+00	3,802818E+18	5,113407E+20
-2934	2,284244E+21	4,847414E+21	6,616671E+21	6,616812E+21	4,847637E+21	2,284309E+21	5,112968E+20	3,800045E+18	0,000000E+00	0,000000E+00	3,798727E+18	5,111942E+20
-2933	2,284105E+21	4,847521E+21	6,617058E+21	6,617107E+21	4,847738E+21	2,284329E+21	5,113008E+20	3,800197E+18	0,000000E+00	0,000000E+00	3,800581E+18	5,113114E+20
-2932	2,284452E+21	4,847924E+21	6,617218E+21	6,617081E+21	4,847589E+21	2,284142E+21	5,111622E+20	3,797157E+18	0,000000E+00	0,000000E+00	3,797055E+18	5,112613E+20
-2931	2,284286E+21	4,847753E+21	6,617252E+21	6,617400E+21	4,848049E+21	2,284449E+21	5,112892E+20	3,795398E+18	0,000000E+00	0,000000E+00	3,794945E+18	5,111570E+20
-2930	2,284311E+21	4,848126E+21	6,617728E+21	6,617656E+21	4,848026E+21	2,284318E+21	5,112024E+20	3,796376E+18	0,000000E+00	0,000000E+00	3,797043E+18	5,112962E+20
-2929	2,284518E+21	4,848278E+21	6,617728E+21	6,617585E+21	4,847991E+21	2,284277E+21	5,111435E+20	3,792316E+18	0,000000E+00	0,000000E+00	3,792641E+18	5,111827E+20

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												
-2928	2,284261E+21	4,847935E+21	6,617693E+21	6,617863E+21	4,848329E+21	2,284513E+21	5,112737E+20	3,793747E+18	0,000000E+00	0,000000E+00	3,794815E+18	5,111820E+20
-2927	2,284435E+21	4,848263E+21	6,617815E+21	6,617773E+21	4,848080E+21	2,284276E+21	5,111408E+20	3,794468E+18	0,000000E+00	0,000000E+00	3,795381E+18	5,112930E+20
-2926	2,284485E+21	4,848148E+21	6,617524E+21	6,617536E+21	4,848119E+21	2,284404E+21	5,112122E+20	3,792902E+18	0,000000E+00	0,000000E+00	3,793788E+18	5,111539E+20
-2925	2,284212E+21	4,847894E+21	6,617560E+21	6,617573E+21	4,848081E+21	2,284461E+21	5,113049E+20	3,798327E+18	0,000000E+00	0,000000E+00	3,797955E+18	5,112520E+20
-2924	2,284421E+21	4,848028E+21	6,617416E+21	6,617239E+21	4,847627E+21	2,284127E+21	5,111616E+20	3,797269E+18	0,000000E+00	0,000000E+00	3,798266E+18	5,112904E+20
-2923	2,284264E+21	4,847567E+21	6,616921E+21	6,617039E+21	4,847754E+21	2,284336E+21	5,113027E+20	3,799331E+18	0,000000E+00	0,000000E+00	3,800303E+18	5,111999E+20
-2922	2,284125E+21	4,847512E+21	6,616935E+21	6,616920E+21	4,847537E+21	2,284226E+21	5,112910E+20	3,803172E+18	0,000000E+00	0,000000E+00	3,804102E+18	5,113674E+20
-2921	2,284367E+21	4,847588E+21	6,616693E+21	6,616497E+21	4,847153E+21	2,284024E+21	5,112135E+20	3,801433E+18	0,000000E+00	0,000000E+00	3,803903E+18	5,113146E+20
-2920	2,284102E+21	4,847081E+21	6,616371E+21	6,616506E+21	4,847371E+21	2,284277E+21	5,113807E+20	3,805224E+18	0,000000E+00	0,000000E+00	3,804759E+18	5,112570E+20
-2919	2,284115E+21	4,847276E+21	6,616494E+21	6,616407E+21	4,847094E+21	2,284051E+21	5,112833E+20	3,805994E+18	0,000000E+00	0,000000E+00	3,807295E+18	5,113986E+20
-2918	2,284231E+21	4,847196E+21	6,616244E+21	6,616197E+21	4,847061E+21	2,284088E+21	5,112993E+20	3,805295E+18	0,000000E+00	0,000000E+00	3,804831E+18	5,112622E+20
-2917	2,283928E+21	4,846870E+21	6,616247E+21	6,616403E+21	4,847280E+21	2,284260E+21	5,114013E+20	3,806864E+18	0,000000E+00	0,000000E+00	3,805945E+18	5,113093E+20
-2916	2,284179E+21	4,847237E+21	6,616379E+21	6,616300E+21	4,846994E+21	2,283967E+21	5,112315E+20	3,804782E+18	0,000000E+00	0,000000E+00	3,806308E+18	5,113854E+20
-2915	2,284203E+21	4,847143E+21	6,616243E+21	6,616363E+21	4,847305E+21	2,284210E+21	5,113123E+20	3,802517E+18	0,000000E+00	0,000000E+00	3,801912E+18	5,112311E+20
-2914	2,284074E+21	4,847319E+21	6,616700E+21	6,616711E+21	4,847449E+21	2,284252E+21	5,113276E+20	3,803050E+18	0,000000E+00	0,000000E+00	3,803758E+18	5,113406E+20
-2913	2,284406E+21	4,847768E+21	6,616968E+21	6,616751E+21	4,847289E+21	2,284044E+21	5,111824E+20	3,799913E+18	0,000000E+00	0,000000E+00	3,799923E+18	5,112889E+20
-2912	2,284220E+21	4,847509E+21	6,616947E+21	6,617108E+21	4,847798E+21	2,284357E+21	5,113051E+20	3,798032E+18	0,000000E+00	0,000000E+00	3,797740E+18	5,111738E+20
-2911	2,284194E+21	4,847787E+21	6,617310E+21	6,617297E+21	4,847787E+21	2,284259E+21	5,112334E+20	3,799493E+18	0,000000E+00	0,000000E+00	3,800254E+18	5,113284E+20
-2910	2,284432E+21	4,847934E+21	6,617277E+21	6,617214E+21	4,847750E+21	2,284223E+21	5,111801E+20	3,795753E+18	0,000000E+00	0,000000E+00	3,795683E+18	5,112091E+20
-2909	2,284186E+21	4,847626E+21	6,617213E+21	6,617402E+21	4,848042E+21	2,284472E+21	5,113250E+20	3,797790E+18	0,000000E+00	0,000000E+00	3,798212E+18	5,112098E+20
-2908	2,284337E+21	4,847933E+21	6,617326E+21	6,617237E+21	4,847686E+21	2,284179E+21	5,111860E+20	3,798671E+18	0,000000E+00	0,000000E+00	3,798971E+18	5,113216E+20
-2907	2,284375E+21	4,847781E+21	6,617040E+21	6,617027E+21	4,847709E+21	2,284281E+21	5,112455E+20	3,796971E+18	0,000000E+00	0,000000E+00	3,797911E+18	5,111871E+20
-2906	2,284096E+21	4,847509E+21	6,617044E+21	6,617079E+21	4,847710E+21	2,284348E+21	5,113392E+20	3,802485E+18	0,000000E+00	0,000000E+00	3,802544E+18	5,112977E+20
-2905	2,284331E+21	4,847690E+21	6,616926E+21	6,616722E+21	4,847223E+21	2,283998E+21	5,111861E+20	3,800935E+18	0,000000E+00	0,000000E+00	3,802948E+18	5,113461E+20
-2904	2,284197E+21	4,847210E+21	6,616410E+21	6,616541E+21	4,847381E+21	2,284221E+21	5,113261E+20	3,802922E+18	0,000000E+00	0,000000E+00	3,804323E+18	5,112379E+20
-2903	2,284028E+21	4,847140E+21	6,616403E+21	6,616407E+21	4,847191E+21	2,284146E+21	5,113338E+20	3,807133E+18	0,000000E+00	0,000000E+00	3,808079E+18	5,114045E+20
-2902	2,284276E+21	4,847232E+21	6,616209E+21	6,616041E+21	4,846831E+21	2,283954E+21	5,112650E+20	3,806050E+18	0,000000E+00	0,000000E+00	3,807404E+18	5,113342E+20
-2901	2,283981E+21	4,846720E+21	6,615891E+21	6,616044E+21	4,847049E+21	2,284216E+21	5,114368E+20	3,809851E+18	0,000000E+00	0,000000E+00	3,808454E+18	5,112827E+20
-2900	2,283968E+21	4,846849E+21	6,615957E+21	6,615895E+21	4,846717E+21	2,283943E+21	5,113217E+20	3,810167E+18	0,000000E+00	0,000000E+00	3,811273E+18	5,114366E+20
-2899	2,284123E+21	4,846790E+21	6,615702E+21	6,615683E+21	4,846693E+21	2,283977E+21	5,113199E+20	3,808522E+18	0,000000E+00	0,000000E+00	3,808771E+18	5,113098E+20
-2898	2,283872E+21	4,846558E+21	6,615755E+21	6,615917E+21	4,846947E+21	2,284167E+21	5,114241E+20	3,809714E+18	0,000000E+00	0,000000E+00	3,809680E+18	5,113558E+20
-2897	2,284161E+21	4,847059E+21	6,616023E+21	6,615868E+21	4,846660E+21	2,283865E+21	5,112487E+20	3,807367E+18	0,000000E+00	0,000000E+00	3,809333E+18	5,114223E+20
-2896	2,284180E+21	4,846982E+21	6,615971E+21	6,616032E+21	4,847025E+21	2,284116E+21	5,113269E+20	3,804954E+18	0,000000E+00	0,000000E+00	3,804149E+18	5,112404E+20
-2895	2,283979E+21	4,847077E+21	6,616408E+21	6,616422E+21	4,847223E+21	2,284190E+21	5,113575E+20	3,806003E+18	0,000000E+00	0,000000E+00	3,806361E+18	5,113562E+20
-2894	2,284303E+21	4,847468E+21	6,616645E+21	6,616517E+21	4,847117E+21	2,283996E+21	5,112149E+20	3,803154E+18	0,000000E+00	0,000000E+00	3,802390E+18	5,113034E+20
-2893	2,284118E+21	4,847203E+21	6,616549E+21	6,616772E+21	4,847594E+21	2,284326E+21	5,113453E+20	3,801298E+18	0,000000E+00	0,000000E+00	3,800958E+18	5,112041E+20

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												
-2892	2,284088E+21	4,847429E+21	6,616827E+21	6,616843E+21	4,847480E+21	2,284187E+21	5,112686E+20	3,802852E+18	0,000000E+00	0,000000E+00	3,803591E+18	5,113636E+20
-2891	2,284360E+21	4,847615E+21	6,616789E+21	6,616714E+21	4,847406E+21	2,284137E+21	5,112096E+20	3,798971E+18	0,000000E+00	0,000000E+00	3,799345E+18	5,112469E+20
-2890	2,284121E+21	4,847341E+21	6,616743E+21	6,616883E+21	4,847671E+21	2,284378E+21	5,113639E+20	3,801718E+18	0,000000E+00	0,000000E+00	3,802139E+18	5,112449E+20
-2889	2,284254E+21	4,847655E+21	6,616909E+21	6,616752E+21	4,847280E+21	2,284048E+21	5,112149E+20	3,802458E+18	0,000000E+00	0,000000E+00	3,803061E+18	5,113641E+20
-2888	2,284288E+21	4,847437E+21	6,616575E+21	6,616565E+21	4,847331E+21	2,284141E+21	5,112638E+20	3,800712E+18	0,000000E+00	0,000000E+00	3,802016E+18	5,112231E+20
-2887	2,283976E+21	4,847096E+21	6,616493E+21	6,616571E+21	4,847357E+21	2,284246E+21	5,113718E+20	3,806433E+18	0,000000E+00	0,000000E+00	3,806857E+18	5,113453E+20
-2886	2,284242E+21	4,847294E+21	6,616395E+21	6,616257E+21	4,846902E+21	2,283919E+21	5,112297E+20	3,805214E+18	0,000000E+00	0,000000E+00	3,806919E+18	5,113814E+20
-2885	2,284112E+21	4,846870E+21	6,615891E+21	6,616024E+21	4,847043E+21	2,284163E+21	5,113824E+20	3,807582E+18	0,000000E+00	0,000000E+00	3,808300E+18	5,112700E+20
-2884	2,283901E+21	4,846750E+21	6,615875E+21	6,615853E+21	4,846786E+21	2,284050E+21	5,113843E+20	3,811692E+18	0,000000E+00	0,000000E+00	3,811979E+18	5,114321E+20
-2883	2,284146E+21	4,846826E+21	6,615684E+21	6,615516E+21	4,846443E+21	2,283845E+21	5,113005E+20	3,810202E+18	0,000000E+00	0,000000E+00	3,811698E+18	5,113705E+20
-2882	2,283866E+21	4,846328E+21	6,615346E+21	6,615525E+21	4,846688E+21	2,284112E+21	5,114676E+20	3,813584E+18	0,000000E+00	0,000000E+00	3,812740E+18	5,113298E+20
-2881	2,283892E+21	4,846529E+21	6,615476E+21	6,615392E+21	4,846340E+21	2,283822E+21	5,113390E+20	3,813177E+18	0,000000E+00	0,000000E+00	3,815295E+18	5,114892E+20
-2880	2,284085E+21	4,846508E+21	6,615266E+21	6,615240E+21	4,846358E+21	2,283862E+21	5,113312E+20	3,811142E+18	0,000000E+00	0,000000E+00	3,811785E+18	5,113413E+20
-2879	2,283813E+21	4,846305E+21	6,615364E+21	6,615510E+21	4,846666E+21	2,284096E+21	5,114541E+20	3,812610E+18	0,000000E+00	0,000000E+00	3,812474E+18	5,113813E+20
-2878	2,284098E+21	4,846829E+21	6,615728E+21	6,615572E+21	4,846432E+21	2,283818E+21	5,112919E+20	3,811019E+18	0,000000E+00	0,000000E+00	3,811555E+18	5,114282E+20
-2877	2,284080E+21	4,846734E+21	6,615674E+21	6,615744E+21	4,846817E+21	2,284079E+21	5,113726E+20	3,808597E+18	0,000000E+00	0,000000E+00	3,806900E+18	5,112559E+20
-2876	2,283846E+21	4,846724E+21	6,615998E+21	6,616056E+21	4,846964E+21	2,284120E+21	5,113909E+20	3,809469E+18	0,000000E+00	0,000000E+00	3,809508E+18	5,113828E+20
-2875	2,284200E+21	4,847107E+21	6,616168E+21	6,616083E+21	4,846839E+21	2,283923E+21	5,112371E+20	3,806096E+18	0,000000E+00	0,000000E+00	3,805854E+18	5,113419E+20
-2874	2,284055E+21	4,846902E+21	6,616068E+21	6,616297E+21	4,847289E+21	2,284252E+21	5,113742E+20	3,804317E+18	0,000000E+00	0,000000E+00	3,804635E+18	5,112475E+20
-2873	2,284050E+21	4,847198E+21	6,616413E+21	6,616358E+21	4,847117E+21	2,284081E+21	5,112921E+20	3,805869E+18	0,000000E+00	0,000000E+00	3,806964E+18	5,114000E+20
-2872	2,284304E+21	4,847362E+21	6,616408E+21	6,616278E+21	4,847049E+21	2,284016E+21	5,112292E+20	3,802077E+18	0,000000E+00	0,000000E+00	3,802463E+18	5,112683E+20
-2871	2,284010E+21	4,847015E+21	6,616331E+21	6,616467E+21	4,847344E+21	2,284275E+21	5,113928E+20	3,805317E+18	0,000000E+00	0,000000E+00	3,805873E+18	5,112786E+20
-2870	2,284147E+21	4,847289E+21	6,616469E+21	6,616361E+21	4,846990E+21	2,283965E+21	5,112515E+20	3,806394E+18	0,000000E+00	0,000000E+00	3,806738E+18	5,113962E+20
-2869	2,284188E+21	4,847080E+21	6,616086E+21	6,616103E+21	4,847023E+21	2,284073E+21	5,113063E+20	3,804851E+18	0,000000E+00	0,000000E+00	3,806305E+18	5,112674E+20
-2868	2,283870E+21	4,846689E+21	6,615926E+21	6,616022E+21	4,846979E+21	2,284152E+21	5,114124E+20	3,810610E+18	0,000000E+00	0,000000E+00	3,810982E+18	5,113863E+20
-2867	2,284155E+21	4,846920E+21	6,615830E+21	6,615678E+21	4,846517E+21	2,283829E+21	5,112713E+20	3,809427E+18	0,000000E+00	0,000000E+00	3,811360E+18	5,114204E+20
-2866	2,284016E+21	4,846521E+21	6,615370E+21	6,615459E+21	4,846639E+21	2,284069E+21	5,114318E+20	3,812243E+18	0,000000E+00	0,000000E+00	3,812701E+18	5,113099E+20
-2865	2,283793E+21	4,846389E+21	6,615386E+21	6,615328E+21	4,846366E+21	2,283920E+21	5,114177E+20	3,815766E+18	0,000000E+00	0,000000E+00	3,816333E+18	5,114741E+20
-2864	2,284042E+21	4,846435E+21	6,615165E+21	6,615015E+21	4,846062E+21	2,283714E+21	5,113204E+20	3,813821E+18	0,000000E+00	0,000000E+00	3,815668E+18	5,114087E+20
-2863	2,283761E+21	4,845939E+21	6,614811E+21	6,615011E+21	4,846339E+21	2,284014E+21	5,114942E+20	3,816944E+18	0,000000E+00	0,000000E+00	3,816466E+18	5,113737E+20
-2862	2,283828E+21	4,846205E+21	6,615028E+21	6,614968E+21	4,846047E+21	2,283754E+21	5,113771E+20	3,816819E+18	0,000000E+00	0,000000E+00	3,818253E+18	5,115137E+20
-2861	2,284026E+21	4,846271E+21	6,614898E+21	6,614842E+21	4,846088E+21	2,283813E+21	5,113759E+20	3,814875E+18	0,000000E+00	0,000000E+00	3,814600E+18	5,113601E+20
-2860	2,283708E+21	4,846011E+21	6,614999E+21	6,615123E+21	4,846369E+21	2,284020E+21	5,114924E+20	3,816193E+18	0,000000E+00	0,000000E+00	3,815212E+18	5,113956E+20
-2859	2,283991E+21	4,846515E+21	6,615352E+21	6,615215E+21	4,846181E+21	2,283750E+21	5,113204E+20	3,814296E+18	0,000000E+00	0,000000E+00	3,814809E+18	5,114531E+20
-2858	2,283983E+21	4,846426E+21	6,615267E+21	6,615358E+21	4,846558E+21	2,284010E+21	5,113978E+20	3,811453E+18	0,000000E+00	0,000000E+00	3,810436E+18	5,112968E+20
-2857	2,283782E+21	4,846439E+21	6,615590E+21	6,615640E+21	4,846662E+21	2,284026E+21	5,114043E+20	3,811843E+18	0,000000E+00	0,000000E+00	3,812968E+18	5,114263E+20

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	2,284161E+21	4,846845E+21	6,615764E+21	6,615670E+21	4,846535E+21	2,283820E+21	5,112452E+20	3,808300E+18	0,000000E+00	0,000000E+00	3,808775E+18	5,113731E+20
-2855	2,284001E+21	4,846652E+21	6,615660E+21	6,615849E+21	4,846983E+21	2,284174E+21	5,114011E+20	3,807187E+18	0,000000E+00	0,000000E+00	3,807726E+18	5,112772E+20
-2854	2,283982E+21	4,846933E+21	6,616071E+21	6,615993E+21	4,846832E+21	2,284013E+21	5,113344E+20	3,809723E+18	0,000000E+00	0,000000E+00	3,809705E+18	5,114149E+20
-2853	2,284203E+21	4,847063E+21	6,616032E+21	6,615896E+21	4,846760E+21	2,283944E+21	5,112739E+20	3,806199E+18	0,000000E+00	0,000000E+00	3,806077E+18	5,112964E+20
-2852	2,283876E+21	4,846602E+21	6,615825E+21	6,615989E+21	4,846997E+21	2,284174E+21	5,114276E+20	3,809445E+18	0,000000E+00	0,000000E+00	3,809848E+18	5,113167E+20
-2851	2,284045E+21	4,846883E+21	6,615909E+21	6,615820E+21	4,846638E+21	2,283878E+21	5,112855E+20	3,810276E+18	0,000000E+00	0,000000E+00	3,811172E+18	5,114421E+20
-2850	2,284110E+21	4,846724E+21	6,615540E+21	6,615536E+21	4,846640E+21	2,283984E+21	5,113483E+20	3,809088E+18	0,000000E+00	0,000000E+00	3,810878E+18	5,113168E+20
-2849	2,283804E+21	4,846372E+21	6,615427E+21	6,615460E+21	4,846560E+21	2,284038E+21	5,114493E+20	3,814692E+18	0,000000E+00	0,000000E+00	3,815160E+18	5,114232E+20
-2848	2,284058E+21	4,846569E+21	6,615354E+21	6,615169E+21	4,846113E+21	2,283703E+21	5,113029E+20	3,813479E+18	0,000000E+00	0,000000E+00	3,815338E+18	5,114466E+20
-2847	2,283878E+21	4,846109E+21	6,614855E+21	6,614958E+21	4,846275E+21	2,283966E+21	5,114693E+20	3,816456E+18	0,000000E+00	0,000000E+00	3,816857E+18	5,113485E+20
-2846	2,283671E+21	4,845960E+21	6,614876E+21	6,614870E+21	4,846040E+21	2,283837E+21	5,114589E+20	3,819914E+18	0,000000E+00	0,000000E+00	3,820087E+18	5,115061E+20
-2845	2,283939E+21	4,846056E+21	6,614656E+21	6,614531E+21	4,845736E+21	2,283642E+21	5,113623E+20	3,817824E+18	0,000000E+00	0,000000E+00	3,819601E+18	5,114501E+20
-2844	2,283669E+21	4,845565E+21	6,614286E+21	6,614492E+21	4,845977E+21	2,283919E+21	5,115279E+20	3,820595E+18	0,000000E+00	0,000000E+00	3,819898E+18	5,114089E+20
-2843	2,283766E+21	4,845908E+21	6,614561E+21	6,614464E+21	4,845717E+21	2,283682E+21	5,114144E+20	3,820498E+18	0,000000E+00	0,000000E+00	3,821776E+18	5,115411E+20
-2842	2,283948E+21	4,846009E+21	6,614528E+21	6,614422E+21	4,845771E+21	2,283736E+21	5,114145E+20	3,818634E+18	0,000000E+00	0,000000E+00	3,818045E+18	5,113924E+20
-2841	2,283633E+21	4,845740E+21	6,614645E+21	6,614748E+21	4,846055E+21	2,283911E+21	5,115122E+20	3,819191E+18	0,000000E+00	0,000000E+00	3,818650E+18	5,114281E+20
-2840	2,283910E+21	4,846203E+21	6,614952E+21	6,614848E+21	4,845904E+21	2,283648E+21	5,113297E+20	3,816770E+18	0,000000E+00	0,000000E+00	3,817865E+18	5,114823E+20
-2839	2,283903E+21	4,846121E+21	6,614851E+21	6,614960E+21	4,846295E+21	2,283940E+21	5,114155E+20	3,813714E+18	0,000000E+00	0,000000E+00	3,813481E+18	5,113353E+20
-2838	2,283736E+21	4,846170E+21	6,615221E+21	6,615280E+21	4,846416E+21	2,283976E+21	5,114374E+20	3,814801E+18	0,000000E+00	0,000000E+00	3,815351E+18	5,114421E+20
-2837	2,284099E+21	4,846623E+21	6,615433E+21	6,615296E+21	4,846276E+21	2,283774E+21	5,112868E+20	3,811633E+18	0,000000E+00	0,000000E+00	3,811430E+18	5,113895E+20
-2836	2,283896E+21	4,846347E+21	6,615280E+21	6,615441E+21	4,846661E+21	2,284084E+21	5,114357E+20	3,810833E+18	0,000000E+00	0,000000E+00	3,810756E+18	5,112964E+20
-2835	2,283879E+21	4,846593E+21	6,615629E+21	6,615561E+21	4,846531E+21	2,283933E+21	5,113673E+20	3,813481E+18	0,000000E+00	0,000000E+00	3,813465E+18	5,114462E+20
-2834	2,284104E+21	4,846715E+21	6,615568E+21	6,615435E+21	4,846432E+21	2,283856E+21	5,113070E+20	3,809936E+18	0,000000E+00	0,000000E+00	3,810475E+18	5,113479E+20
-2833	2,283810E+21	4,846262E+21	6,615339E+21	6,615488E+21	4,846617E+21	2,284057E+21	5,114501E+20	3,812867E+18	0,000000E+00	0,000000E+00	3,814174E+18	5,113664E+20
-2832	2,283985E+21	4,846548E+21	6,615409E+21	6,615313E+21	4,846265E+21	2,283764E+21	5,113104E+20	3,813647E+18	0,000000E+00	0,000000E+00	3,815129E+18	5,114781E+20
-2831	2,284022E+21	4,846388E+21	6,615049E+21	6,615003E+21	4,846266E+21	2,283897E+21	5,113906E+20	3,813198E+18	0,000000E+00	0,000000E+00	3,815041E+18	5,113544E+20
-2830	2,283697E+21	4,845994E+21	6,614973E+21	6,615000E+21	4,846209E+21	2,283959E+21	5,115031E+20	3,819476E+18	0,000000E+00	0,000000E+00	3,818850E+18	5,114442E+20
-2829	2,283920E+21	4,846159E+21	6,614851E+21	6,614690E+21	4,845767E+21	2,283619E+21	5,113536E+20	3,818266E+18	0,000000E+00	0,000000E+00	3,819754E+18	5,114833E+20
-2828	2,283731E+21	4,845618E+21	6,614229E+21	6,614376E+21	4,845867E+21	2,283852E+21	5,115069E+20	3,820934E+18	0,000000E+00	0,000000E+00	3,821093E+18	5,113926E+20
-2827	2,283579E+21	4,845534E+21	6,614252E+21	6,614265E+21	4,845651E+21	2,283743E+21	5,114951E+20	3,823917E+18	0,000000E+00	0,000000E+00	3,824435E+18	5,115508E+20
-2826	2,283875E+21	4,845727E+21	6,614134E+21	6,613968E+21	4,845341E+21	2,283547E+21	5,114019E+20	3,821896E+18	0,000000E+00	0,000000E+00	3,823665E+18	5,114950E+20
-2825	2,283621E+21	4,845301E+21	6,613870E+21	6,614004E+21	4,845588E+21	2,283801E+21	5,115536E+20	3,823990E+18	0,000000E+00	0,000000E+00	3,823382E+18	5,114397E+20
-2824	2,283693E+21	4,845641E+21	6,614211E+21	6,614086E+21	4,845395E+21	2,283570E+21	5,114345E+20	3,823531E+18	0,000000E+00	0,000000E+00	3,824993E+18	5,115618E+20
-2823	2,283843E+21	4,845703E+21	6,614162E+21	6,614076E+21	4,845514E+21	2,283660E+21	5,114369E+20	3,821486E+18	0,000000E+00	0,000000E+00	3,821227E+18	5,114243E+20
-2822	2,283546E+21	4,845427E+21	6,614291E+21	6,614444E+21	4,845842E+21	2,283863E+21	5,115412E+20	3,822031E+18	0,000000E+00	0,000000E+00	3,821293E+18	5,114476E+20
-2821	2,283829E+21	4,845919E+21	6,614577E+21	6,614506E+21	4,845683E+21	2,283607E+21	5,113625E+20	3,819662E+18	0,000000E+00	0,000000E+00	3,820644E+18	5,115068E+20

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												
-2820	2,283819E+21	4,845807E+21	6,614411E+21	6,614528E+21	4,846001E+21	2,283871E+21	5,114471E+20	3,816681E+18	0,000000E+00	0,000000E+00	3,816061E+18	5,113579E+20
-2819	2,283675E+21	4,845905E+21	6,614797E+21	6,614825E+21	4,846120E+21	2,283921E+21	5,114776E+20	3,818365E+18	0,000000E+00	0,000000E+00	3,818389E+18	5,114606E+20
-2818	2,284008E+21	4,846349E+21	6,615064E+21	6,614884E+21	4,845955E+21	2,283695E+21	5,113290E+20	3,815499E+18	0,000000E+00	0,000000E+00	3,814989E+18	5,114245E+20
-2817	2,283817E+21	4,846040E+21	6,614876E+21	6,615026E+21	4,846314E+21	2,283961E+21	5,114555E+20	3,814260E+18	0,000000E+00	0,000000E+00	3,814753E+18	5,113379E+20
-2816	2,283800E+21	4,846254E+21	6,615168E+21	6,615122E+21	4,846193E+21	2,283812E+21	5,113821E+20	3,816544E+18	0,000000E+00	0,000000E+00	3,817336E+18	5,114865E+20
-2815	2,284025E+21	4,846377E+21	6,615088E+21	6,614963E+21	4,846101E+21	2,283766E+21	5,113336E+20	3,813166E+18	0,000000E+00	0,000000E+00	3,814572E+18	5,113956E+20
-2814	2,283749E+21	4,845946E+21	6,614900E+21	6,615042E+21	4,846298E+21	2,283989E+21	5,114945E+20	3,816932E+18	0,000000E+00	0,000000E+00	3,817561E+18	5,113886E+20
-2813	2,283883E+21	4,846227E+21	6,614975E+21	6,614856E+21	4,845937E+21	2,283701E+21	5,113642E+20	3,818078E+18	0,000000E+00	0,000000E+00	3,818881E+18	5,114998E+20
-2812	2,283874E+21	4,845956E+21	6,614524E+21	6,614490E+21	4,845876E+21	2,283796E+21	5,114382E+20	3,817915E+18	0,000000E+00	0,000000E+00	3,819136E+18	5,113861E+20
-2811	2,283570E+21	4,845544E+21	6,614357E+21	6,614427E+21	4,845833E+21	2,283869E+21	5,115468E+20	3,824061E+18	0,000000E+00	0,000000E+00	3,823386E+18	5,114826E+20
-2810	2,283796E+21	4,845722E+21	6,614255E+21	6,614105E+21	4,845359E+21	2,283515E+21	5,113942E+20	3,822625E+18	0,000000E+00	0,000000E+00	3,824661E+18	5,115429E+20
-2809	2,283669E+21	4,845244E+21	6,613664E+21	6,613790E+21	4,845419E+21	2,283707E+21	5,115264E+20	3,824557E+18	0,000000E+00	0,000000E+00	3,825535E+18	5,114461E+20
-2808	2,283533E+21	4,845222E+21	6,613745E+21	6,613728E+21	4,845242E+21	2,283610E+21	5,115166E+20	3,827152E+18	0,000000E+00	0,000000E+00	3,828213E+18	5,115854E+20
-2807	2,283804E+21	4,845453E+21	6,613728E+21	6,613512E+21	4,844996E+21	2,283457E+21	5,114367E+20	3,825548E+18	0,000000E+00	0,000000E+00	3,827226E+18	5,115269E+20
-2806	2,283533E+21	4,845019E+21	6,613552E+21	6,613675E+21	4,845311E+21	2,283732E+21	5,115953E+20	3,827832E+18	0,000000E+00	0,000000E+00	3,826225E+18	5,114523E+20
-2805	2,283572E+21	4,845323E+21	6,613847E+21	6,613766E+21	4,845167E+21	2,283519E+21	5,114748E+20	3,827172E+18	0,000000E+00	0,000000E+00	3,828235E+18	5,115831E+20
-2804	2,283713E+21	4,845308E+21	6,613683E+21	6,613662E+21	4,845237E+21	2,283590E+21	5,114670E+20	3,824733E+18	0,000000E+00	0,000000E+00	3,824211E+18	5,114550E+20
-2803	2,283475E+21	4,845091E+21	6,613776E+21	6,613976E+21	4,845569E+21	2,283811E+21	5,115738E+20	3,825135E+18	0,000000E+00	0,000000E+00	3,824458E+18	5,114746E+20
-2802	2,283760E+21	4,845644E+21	6,614151E+21	6,614061E+21	4,845378E+21	2,283541E+21	5,113997E+20	3,823034E+18	0,000000E+00	0,000000E+00	3,823791E+18	5,115407E+20
-2801	2,283772E+21	4,845572E+21	6,614046E+21	6,614104E+21	4,845648E+21	2,283756E+21	5,114675E+20	3,819660E+18	0,000000E+00	0,000000E+00	3,819179E+18	5,113862E+20
-2800	2,283608E+21	4,845653E+21	6,614450E+21	6,614457E+21	4,845797E+21	2,283800E+21	5,114943E+20	3,821231E+18	0,000000E+00	0,000000E+00	3,821639E+18	5,114867E+20
-2799	2,283918E+21	4,846060E+21	6,614690E+21	6,614522E+21	4,845677E+21	2,283607E+21	5,113498E+20	3,818334E+18	0,000000E+00	0,000000E+00	3,818627E+18	5,114669E+20
-2798	2,283745E+21	4,845743E+21	6,614510E+21	6,614680E+21	4,846053E+21	2,283890E+21	5,114827E+20	3,817426E+18	0,000000E+00	0,000000E+00	3,818093E+18	5,113704E+20
-2797	2,283728E+21	4,845957E+21	6,614756E+21	6,614732E+21	4,845926E+21	2,283754E+21	5,114180E+20	3,819918E+18	0,000000E+00	0,000000E+00	3,820884E+18	5,115181E+20
-2796	2,283930E+21	4,846015E+21	6,614569E+21	6,614461E+21	4,845756E+21	2,283687E+21	5,113753E+20	3,817100E+18	0,000000E+00	0,000000E+00	3,818176E+18	5,114259E+20
-2795	2,283662E+21	4,845595E+21	6,614356E+21	6,614495E+21	4,845941E+21	2,283923E+21	5,115491E+20	3,821725E+18	0,000000E+00	0,000000E+00	3,821544E+18	5,114130E+20
-2794	2,283744E+21	4,845825E+21	6,614456E+21	6,614327E+21	4,845537E+21	2,283603E+21	5,114190E+20	3,823088E+18	0,000000E+00	0,000000E+00	3,823492E+18	5,115428E+20
-2793	2,283758E+21	4,845514E+21	6,613932E+21	6,613913E+21	4,845427E+21	2,283650E+21	5,114686E+20	3,822375E+18	0,000000E+00	0,000000E+00	3,824007E+18	5,114376E+20
-2792	2,283475E+21	4,845124E+21	6,613750E+21	6,613833E+21	4,845387E+21	2,283721E+21	5,115685E+20	3,827755E+18	0,000000E+00	0,000000E+00	3,827901E+18	5,115318E+20
-2791	2,283714E+21	4,845352E+21	6,613694E+21	6,613530E+21	4,844950E+21	2,283403E+21	5,114251E+20	3,826332E+18	0,000000E+00	0,000000E+00	3,829030E+18	5,115926E+20
-2790	2,283609E+21	4,844949E+21	6,613234E+21	6,613317E+21	4,845063E+21	2,283618E+21	5,115659E+20	3,828629E+18	0,000000E+00	0,000000E+00	3,828809E+18	5,114685E+20
-2789	2,283440E+21	4,844942E+21	6,613375E+21	6,613332E+21	4,844937E+21	2,283539E+21	5,115631E+20	3,831254E+18	0,000000E+00	0,000000E+00	3,831563E+18	5,116007E+20
-2788	2,283660E+21	4,845064E+21	6,613282E+21	6,613112E+21	4,844692E+21	2,283375E+21	5,114787E+20	3,829761E+18	0,000000E+00	0,000000E+00	3,830587E+18	5,115497E+20
-2787	2,283417E+21	4,844637E+21	6,613045E+21	6,613246E+21	4,845051E+21	2,283678E+21	5,116350E+20	3,831626E+18	0,000000E+00	0,000000E+00	3,829812E+18	5,114793E+20
-2786	2,283450E+21	4,844950E+21	6,613369E+21	6,613327E+21	4,844875E+21	2,283456E+21	5,115121E+20	3,830661E+18	0,000000E+00	0,000000E+00	3,832004E+18	5,116276E+20
-2785	2,283654E+21	4,844987E+21	6,613203E+21	6,613192E+21	4,844895E+21	2,283483E+21	5,114830E+20	3,827416E+18	0,000000E+00	0,000000E+00	3,827575E+18	5,114973E+20

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	2,283444E+21	4,844851E+21	6,613343E+21	6,613512E+21	4,845226E+21	2,283702E+21	5,115890E+20	3,827503E+18	0,000000E+00	0,000000E+00	3,827504E+18	5,115036E+20
-2783	2,283702E+21	4,845429E+21	6,613811E+21	6,613669E+21	4,845076E+21	2,283458E+21	5,114257E+20	3,825917E+18	0,000000E+00	0,000000E+00	3,826840E+18	5,115727E+20
-2782	2,283707E+21	4,845354E+21	6,613782E+21	6,613813E+21	4,845389E+21	2,283673E+21	5,114950E+20	3,822877E+18	0,000000E+00	0,000000E+00	3,821961E+18	5,114074E+20
-2781	2,283521E+21	4,845383E+21	6,614118E+21	6,614157E+21	4,845570E+21	2,283733E+21	5,115232E+20	3,824462E+18	0,000000E+00	0,000000E+00	3,824849E+18	5,115130E+20
-2780	2,283810E+21	4,845702E+21	6,614231E+21	6,614117E+21	4,845399E+21	2,283534E+21	5,113804E+20	3,821621E+18	0,000000E+00	0,000000E+00	3,821846E+18	5,115016E+20
-2779	2,283683E+21	4,845425E+21	6,613994E+21	6,614197E+21	4,845761E+21	2,283836E+21	5,115241E+20	3,821222E+18	0,000000E+00	0,000000E+00	3,821590E+18	5,113966E+20
-2778	2,283626E+21	4,845633E+21	6,614287E+21	6,614243E+21	4,845590E+21	2,283690E+21	5,114696E+20	3,824169E+18	0,000000E+00	0,000000E+00	3,824598E+18	5,115498E+20
-2777	2,283836E+21	4,845675E+21	6,614093E+21	6,613951E+21	4,845351E+21	2,283564E+21	5,114092E+20	3,821202E+18	0,000000E+00	0,000000E+00	3,822345E+18	5,114613E+20
-2776	2,283557E+21	4,845221E+21	6,613829E+21	6,613972E+21	4,845530E+21	2,283786E+21	5,115772E+20	3,825679E+18	0,000000E+00	0,000000E+00	3,825869E+18	5,114512E+20
-2775	2,283620E+21	4,845416E+21	6,613908E+21	6,613804E+21	4,845158E+21	2,283490E+21	5,114488E+20	3,826880E+18	0,000000E+00	0,000000E+00	3,828180E+18	5,115962E+20
-2774	2,283669E+21	4,845141E+21	6,613433E+21	6,613409E+21	4,845046E+21	2,283539E+21	5,115005E+20	3,826405E+18	0,000000E+00	0,000000E+00	3,828135E+18	5,114805E+20
-2773	2,283395E+21	4,844781E+21	6,613250E+21	6,613334E+21	4,845026E+21	2,283624E+21	5,116053E+20	3,831663E+18	0,000000E+00	0,000000E+00	3,831806E+18	5,115660E+20
-2772	2,283610E+21	4,844978E+21	6,613158E+21	6,612991E+21	4,844573E+21	2,283313E+21	5,114717E+20	3,830740E+18	0,000000E+00	0,000000E+00	3,832828E+18	5,116232E+20
-2771	2,283516E+21	4,844610E+21	6,612726E+21	6,612809E+21	4,844723E+21	2,283550E+21	5,116197E+20	3,833478E+18	0,000000E+00	0,000000E+00	3,832656E+18	5,114916E+20
-2770	2,283297E+21	4,844555E+21	6,612912E+21	6,612891E+21	4,844610E+21	2,283462E+21	5,116143E+20	3,835877E+18	0,000000E+00	0,000000E+00	3,835814E+18	5,116404E+20
-2769	2,283552E+21	4,844655E+21	6,612750E+21	6,612631E+21	4,844338E+21	2,283259E+21	5,115024E+20	3,833488E+18	0,000000E+00	0,000000E+00	3,834805E+18	5,115969E+20
-2768	2,283343E+21	4,844285E+21	6,612511E+21	6,612737E+21	4,844691E+21	2,283561E+21	5,116497E+20	3,834265E+18	0,000000E+00	0,000000E+00	3,833495E+18	5,115226E+20
-2767	2,283388E+21	4,844655E+21	6,612907E+21	6,612858E+21	4,844553E+21	2,283370E+21	5,115334E+20	3,833303E+18	0,000000E+00	0,000000E+00	3,835312E+18	5,116660E+20
-2766	2,283611E+21	4,844782E+21	6,612887E+21	6,612812E+21	4,844602E+21	2,283405E+21	5,115099E+20	3,830299E+18	0,000000E+00	0,000000E+00	3,829918E+18	5,115152E+20
-2765	2,283380E+21	4,844660E+21	6,613081E+21	6,613205E+21	4,844974E+21	2,283631E+21	5,116188E+20	3,830451E+18	0,000000E+00	0,000000E+00	3,830079E+18	5,115163E+20
-2764	2,283591E+21	4,845125E+21	6,613446E+21	6,613332E+21	4,844828E+21	2,283390E+21	5,114585E+20	3,829270E+18	0,000000E+00	0,000000E+00	3,829521E+18	5,115941E+20
-2763	2,283622E+21	4,845055E+21	6,613357E+21	6,613446E+21	4,845169E+21	2,283625E+21	5,115289E+20	3,826317E+18	0,000000E+00	0,000000E+00	3,825158E+18	5,114333E+20
-2762	2,283419E+21	4,845064E+21	6,613703E+21	6,613766E+21	4,845303E+21	2,283673E+21	5,115601E+20	3,827969E+18	0,000000E+00	0,000000E+00	3,828423E+18	5,115527E+20
-2761	2,283745E+21	4,845375E+21	6,613749E+21	6,613650E+21	4,845062E+21	2,283433E+21	5,114047E+20	3,824848E+18	0,000000E+00	0,000000E+00	3,825435E+18	5,115387E+20
-2760	2,283623E+21	4,845141E+21	6,613520E+21	6,613688E+21	4,845386E+21	2,283729E+21	5,115532E+20	3,824581E+18	0,000000E+00	0,000000E+00	3,825303E+18	5,114279E+20
-2759	2,283521E+21	4,845310E+21	6,613845E+21	6,613765E+21	4,845228E+21	2,283596E+21	5,115092E+20	3,828099E+18	0,000000E+00	0,000000E+00	3,828562E+18	5,115837E+20
-2758	2,283721E+21	4,845326E+21	6,613664E+21	6,613508E+21	4,845001E+21	2,283460E+21	5,114474E+20	3,825473E+18	0,000000E+00	0,000000E+00	3,826385E+18	5,114972E+20
-2757	2,283444E+21	4,844837E+21	6,613319E+21	6,613485E+21	4,845180E+21	2,283682E+21	5,116106E+20	3,829827E+18	0,000000E+00	0,000000E+00	3,830147E+18	5,114917E+20
-2756	2,283498E+21	4,844961E+21	6,613285E+21	6,613222E+21	4,844766E+21	2,283387E+21	5,114872E+20	3,831075E+18	0,000000E+00	0,000000E+00	3,832419E+18	5,116424E+20
-2755	2,283597E+21	4,844765E+21	6,612826E+21	6,612819E+21	4,844667E+21	2,283451E+21	5,115471E+20	3,831139E+18	0,000000E+00	0,000000E+00	3,832333E+18	5,115147E+20
-2754	2,283287E+21	4,844425E+21	6,612751E+21	6,612800E+21	4,844639E+21	2,283535E+21	5,116576E+20	3,836415E+18	0,000000E+00	0,000000E+00	3,835989E+18	5,116032E+20
-2753	2,283507E+21	4,844603E+21	6,612661E+21	6,612483E+21	4,844170E+21	2,283191E+21	5,115090E+20	3,835162E+18	0,000000E+00	0,000000E+00	3,837244E+18	5,116605E+20
-2752	2,283409E+21	4,844241E+21	6,612223E+21	6,612316E+21	4,844346E+21	2,283429E+21	5,116462E+20	3,837132E+18	0,000000E+00	0,000000E+00	3,836913E+18	5,115332E+20
-2751	2,283184E+21	4,844175E+21	6,612419E+21	6,612427E+21	4,844289E+21	2,283372E+21	5,116401E+20	3,839033E+18	0,000000E+00	0,000000E+00	3,839963E+18	5,116869E+20
-2750	2,283478E+21	4,844344E+21	6,612325E+21	6,612203E+21	4,844033E+21	2,283174E+21	5,115256E+20	3,836503E+18	0,000000E+00	0,000000E+00	3,838120E+18	5,116348E+20
-2749	2,283292E+21	4,844024E+21	6,612095E+21	6,612313E+21	4,844403E+21	2,283485E+21	5,116742E+20	3,836959E+18	0,000000E+00	0,000000E+00	3,836227E+18	5,115453E+20

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	2,283307E+21	4,844364E+21	6,612485E+21	6,612418E+21	4,844258E+21	2,283305E+21	5,115711E+20	3,836690E+18	0,000000E+00	0,000000E+00	3,837807E+18	5,116837E+20
-2747	2,283541E+21	4,844532E+21	6,612515E+21	6,612428E+21	4,844335E+21	2,283347E+21	5,115542E+20	3,834232E+18	0,000000E+00	0,000000E+00	3,832579E+18	5,115270E+20
-2746	2,283258E+21	4,844356E+21	6,612739E+21	6,612872E+21	4,844718E+21	2,283564E+21	5,116591E+20	3,834248E+18	0,000000E+00	0,000000E+00	3,833410E+18	5,115479E+20
-2745	2,283501E+21	4,844786E+21	6,613015E+21	6,612936E+21	4,844538E+21	2,283294E+21	5,114794E+20	3,832462E+18	0,000000E+00	0,000000E+00	3,833048E+18	5,116336E+20
-2744	2,283564E+21	4,844764E+21	6,612905E+21	6,612989E+21	4,844843E+21	2,283523E+21	5,115437E+20	3,828825E+18	0,000000E+00	0,000000E+00	3,828708E+18	5,114736E+20
-2743	2,283358E+21	4,844785E+21	6,613279E+21	6,613329E+21	4,845002E+21	2,283596E+21	5,115852E+20	3,830841E+18	0,000000E+00	0,000000E+00	3,831821E+18	5,115850E+20
-2742	2,283678E+21	4,845137E+21	6,613408E+21	6,613246E+21	4,844753E+21	2,283349E+21	5,114364E+20	3,828252E+18	0,000000E+00	0,000000E+00	3,828524E+18	5,115610E+20
-2741	2,283529E+21	4,844856E+21	6,613148E+21	6,613286E+21	4,845074E+21	2,283639E+21	5,115877E+20	3,828307E+18	0,000000E+00	0,000000E+00	3,828833E+18	5,114505E+20
-2740	2,283379E+21	4,844884E+21	6,613325E+21	6,613291E+21	4,844899E+21	2,283510E+21	5,115494E+20	3,832240E+18	0,000000E+00	0,000000E+00	3,832408E+18	5,116191E+20
-2739	2,283614E+21	4,844916E+21	6,613083E+21	6,612977E+21	4,844663E+21	2,283379E+21	5,114909E+20	3,829942E+18	0,000000E+00	0,000000E+00	3,830769E+18	5,115393E+20
-2738	2,283332E+21	4,844428E+21	6,612767E+21	6,612937E+21	4,844794E+21	2,283584E+21	5,116521E+20	3,834215E+18	0,000000E+00	0,000000E+00	3,834733E+18	5,115459E+20
-2737	2,283429E+21	4,844571E+21	6,612692E+21	6,612616E+21	4,844331E+21	2,283260E+21	5,115199E+20	3,835164E+18	0,000000E+00	0,000000E+00	3,836971E+18	5,116894E+20
-2736	2,283532E+21	4,844444E+21	6,612303E+21	6,612226E+21	4,844218E+21	2,283324E+21	5,115812E+20	3,835279E+18	0,000000E+00	0,000000E+00	3,836792E+18	5,115556E+20
-2735	2,283182E+21	4,844075E+21	6,612289E+21	6,612309E+21	4,844256E+21	2,283429E+21	5,116971E+20	3,840653E+18	0,000000E+00	0,000000E+00	3,840350E+18	5,116401E+20
-2734	2,283391E+21	4,844243E+21	6,612225E+21	6,612048E+21	4,843838E+21	2,283094E+21	5,115463E+20	3,839395E+18	0,000000E+00	0,000000E+00	3,841392E+18	5,116974E+20
-2733	2,283304E+21	4,843873E+21	6,611742E+21	6,611859E+21	4,844032E+21	2,283344E+21	5,116772E+20	3,840746E+18	0,000000E+00	0,000000E+00	3,840600E+18	5,115685E+20
-2732	2,283072E+21	4,843752E+21	6,611852E+21	6,611901E+21	4,843957E+21	2,283301E+21	5,116783E+20	3,842623E+18	0,000000E+00	0,000000E+00	3,843179E+18	5,117158E+20
-2731	2,283405E+21	4,844015E+21	6,611809E+21	6,611703E+21	4,843728E+21	2,283117E+21	5,115713E+20	3,840531E+18	0,000000E+00	0,000000E+00	3,841014E+18	5,116518E+20
-2730	2,283192E+21	4,843738E+21	6,611715E+21	6,611887E+21	4,844085E+21	2,283412E+21	5,117173E+20	3,840784E+18	0,000000E+00	0,000000E+00	3,839231E+18	5,115696E+20
-2729	2,283219E+21	4,844052E+21	6,612085E+21	6,612007E+21	4,843933E+21	2,283203E+21	5,116002E+20	3,840273E+18	0,000000E+00	0,000000E+00	3,841085E+18	5,117099E+20
-2728	2,283460E+21	4,844246E+21	6,612133E+21	6,612041E+21	4,844029E+21	2,283243E+21	5,115702E+20	3,836981E+18	0,000000E+00	0,000000E+00	3,836063E+18	5,115643E+20
-2727	2,283181E+21	4,844067E+21	6,612370E+21	6,612514E+21	4,844455E+21	2,283484E+21	5,116748E+20	3,836718E+18	0,000000E+00	0,000000E+00	3,836947E+18	5,115880E+20
-2726	2,283449E+21	4,844543E+21	6,612678E+21	6,612587E+21	4,844285E+21	2,283221E+21	5,114978E+20	3,834992E+18	0,000000E+00	0,000000E+00	3,836061E+18	5,116668E+20
-2725	2,283521E+21	4,844541E+21	6,612552E+21	6,612608E+21	4,844580E+21	2,283454E+21	5,115661E+20	3,831355E+18	0,000000E+00	0,000000E+00	3,831609E+18	5,114970E+20
-2724	2,283268E+21	4,844467E+21	6,612845E+21	6,612883E+21	4,844704E+21	2,283537E+21	5,116266E+20	3,834465E+18	0,000000E+00	0,000000E+00	3,834764E+18	5,116032E+20
-2723	2,283576E+21	4,844805E+21	6,612961E+21	6,612817E+21	4,844458E+21	2,283285E+21	5,114867E+20	3,832729E+18	0,000000E+00	0,000000E+00	3,832062E+18	5,115835E+20
-2722	2,283392E+21	4,844461E+21	6,612675E+21	6,612829E+21	4,844737E+21	2,283550E+21	5,116320E+20	3,832841E+18	0,000000E+00	0,000000E+00	3,833223E+18	5,114973E+20
-2721	2,283282E+21	4,844448E+21	6,612728E+21	6,612719E+21	4,844496E+21	2,283389E+21	5,115798E+20	3,836319E+18	0,000000E+00	0,000000E+00	3,836947E+18	5,116708E+20
-2720	2,283550E+21	4,844550E+21	6,612505E+21	6,612363E+21	4,844211E+21	2,283247E+21	5,115163E+20	3,833575E+18	0,000000E+00	0,000000E+00	3,835413E+18	5,115917E+20
-2719	2,283263E+21	4,844095E+21	6,612261E+21	6,612383E+21	4,844384E+21	2,283471E+21	5,116834E+20	3,838065E+18	0,000000E+00	0,000000E+00	3,838997E+18	5,115861E+20
-2718	2,283351E+21	4,844286E+21	6,612289E+21	6,612136E+21	4,843954E+21	2,283157E+21	5,115593E+20	3,839332E+18	0,000000E+00	0,000000E+00	3,840991E+18	5,117198E+20
-2717	2,283426E+21	4,844109E+21	6,611880E+21	6,611786E+21	4,843875E+21	2,283226E+21	5,116190E+20	3,839542E+18	0,000000E+00	0,000000E+00	3,840766E+18	5,115827E+20
-2716	2,283032E+21	4,843614E+21	6,611737E+21	6,611824E+21	4,843936E+21	2,283355E+21	5,117422E+20	3,844969E+18	0,000000E+00	0,000000E+00	3,844238E+18	5,116713E+20
-2715	2,283272E+21	4,843814E+21	6,611652E+21	6,611543E+21	4,843523E+21	2,283030E+21	5,115953E+20	3,843947E+18	0,000000E+00	0,000000E+00	3,845396E+18	5,117299E+20
-2714	2,283182E+21	4,843460E+21	6,611206E+21	6,611343E+21	4,843680E+21	2,283266E+21	5,117207E+20	3,844835E+18	0,000000E+00	0,000000E+00	3,844399E+18	5,116114E+20
-2713	2,282999E+21	4,843379E+21	6,611294E+21	6,611339E+21	4,843567E+21	2,283196E+21	5,117109E+20	3,846251E+18	0,000000E+00	0,000000E+00	3,846798E+18	5,117487E+20

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												
-2712	2,283343E+21	4,843739E+21	6,611366E+21	6,611182E+21	4,843325E+21	2,283005E+21	5,115992E+20	3,843889E+18	0,000000E+00	0,000000E+00	3,844566E+18	5,116852E+20
-2711	2,283111E+21	4,843463E+21	6,611364E+21	6,611505E+21	4,843765E+21	2,283307E+21	5,117395E+20	3,843902E+18	0,000000E+00	0,000000E+00	3,842771E+18	5,116035E+20
-2710	2,283150E+21	4,843801E+21	6,611767E+21	6,611683E+21	4,843671E+21	2,283113E+21	5,116195E+20	3,843273E+18	0,000000E+00	0,000000E+00	3,844506E+18	5,117465E+20
-2709	2,283401E+21	4,843990E+21	6,611788E+21	6,611705E+21	4,843784E+21	2,283164E+21	5,115836E+20	3,839359E+18	0,000000E+00	0,000000E+00	3,839056E+18	5,115962E+20
-2708	2,283110E+21	4,843754E+21	6,611938E+21	6,612113E+21	4,844202E+21	2,283430E+21	5,117035E+20	3,839497E+18	0,000000E+00	0,000000E+00	3,839628E+18	5,116100E+20
-2707	2,283388E+21	4,844275E+21	6,612268E+21	6,612192E+21	4,844038E+21	2,283181E+21	5,115422E+20	3,838632E+18	0,000000E+00	0,000000E+00	3,838635E+18	5,116763E+20
-2706	2,283410E+21	4,844250E+21	6,612196E+21	6,612220E+21	4,844287E+21	2,283395E+21	5,116124E+20	3,835190E+18	0,000000E+00	0,000000E+00	3,834845E+18	5,115230E+20
-2705	2,283164E+21	4,844094E+21	6,612368E+21	6,612422E+21	4,844362E+21	2,283440E+21	5,116624E+20	3,838420E+18	0,000000E+00	0,000000E+00	3,838515E+18	5,116334E+20
-2704	2,283475E+21	4,844444E+21	6,612462E+21	6,612308E+21	4,844079E+21	2,283174E+21	5,115126E+20	3,836145E+18	0,000000E+00	0,000000E+00	3,836456E+18	5,116330E+20
-2703	2,283309E+21	4,844100E+21	6,612180E+21	6,612331E+21	4,844362E+21	2,283435E+21	5,116534E+20	3,836271E+18	0,000000E+00	0,000000E+00	3,837739E+18	5,115493E+20
-2702	2,283226E+21	4,844140E+21	6,612259E+21	6,612219E+21	4,844120E+21	2,283277E+21	5,116071E+20	3,839886E+18	0,000000E+00	0,000000E+00	3,840993E+18	5,117140E+20
-2701	2,283494E+21	4,844262E+21	6,612058E+21	6,611866E+21	4,843840E+21	2,283143E+21	5,115488E+20	3,837373E+18	0,000000E+00	0,000000E+00	3,839273E+18	5,116214E+20
-2700	2,283152E+21	4,843718E+21	6,611759E+21	6,611860E+21	4,844010E+21	2,283391E+21	5,117360E+20	3,842821E+18	0,000000E+00	0,000000E+00	3,842696E+18	5,116069E+20
-2699	2,283212E+21	4,843867E+21	6,611771E+21	6,611665E+21	4,843626E+21	2,283089E+21	5,116230E+20	3,844759E+18	0,000000E+00	0,000000E+00	3,845173E+18	5,117426E+20
-2698	2,283259E+21	4,843637E+21	6,611337E+21	6,611293E+21	4,843526E+21	2,283145E+21	5,116719E+20	3,844638E+18	0,000000E+00	0,000000E+00	3,845532E+18	5,116329E+20
-2697	2,282918E+21	4,843115E+21	6,611059E+21	6,611209E+21	4,843526E+21	2,283246E+21	5,117788E+20	3,849217E+18	0,000000E+00	0,000000E+00	3,848769E+18	5,117187E+20
-2696	2,283191E+21	4,843423E+21	6,611045E+21	6,610911E+21	4,843075E+21	2,282908E+21	5,116232E+20	3,847507E+18	0,000000E+00	0,000000E+00	3,849788E+18	5,117788E+20
-2695	2,283118E+21	4,843146E+21	6,610725E+21	6,610808E+21	4,843272E+21	2,283146E+21	5,117449E+20	3,848194E+18	0,000000E+00	0,000000E+00	3,848094E+18	5,116474E+20
-2694	2,282942E+21	4,843147E+21	6,610942E+21	6,610912E+21	4,843210E+21	2,283086E+21	5,117374E+20	3,849547E+18	0,000000E+00	0,000000E+00	3,850173E+18	5,117768E+20
-2693	2,283271E+21	4,843496E+21	6,611051E+21	6,610848E+21	4,843042E+21	2,282907E+21	5,116186E+20	3,846870E+18	0,000000E+00	0,000000E+00	3,847632E+18	5,117100E+20
-2692	2,283013E+21	4,843140E+21	6,610970E+21	6,611157E+21	4,843529E+21	2,283246E+21	5,117657E+20	3,846803E+18	0,000000E+00	0,000000E+00	3,845715E+18	5,116306E+20
-2691	2,283075E+21	4,843504E+21	6,611372E+21	6,611355E+21	4,843469E+21	2,283077E+21	5,116573E+20	3,846608E+18	0,000000E+00	0,000000E+00	3,847406E+18	5,117685E+20
-2690	2,283314E+21	4,843697E+21	6,611412E+21	6,611357E+21	4,843546E+21	2,283118E+21	5,116188E+20	3,842437E+18	0,000000E+00	0,000000E+00	3,842016E+18	5,116292E+20
-2689	2,283052E+21	4,843449E+21	6,611474E+21	6,611656E+21	4,843895E+21	2,283359E+21	5,117374E+20	3,842769E+18	0,000000E+00	0,000000E+00	3,842628E+18	5,116302E+20
-2688	2,283305E+21	4,844003E+21	6,611868E+21	6,611728E+21	4,843675E+21	2,283089E+21	5,115753E+20	3,841987E+18	0,000000E+00	0,000000E+00	3,842077E+18	5,117042E+20
-2687	2,283308E+21	4,843930E+21	6,611801E+21	6,611817E+21	4,843951E+21	2,283289E+21	5,116403E+20	3,838678E+18	0,000000E+00	0,000000E+00	3,838751E+18	5,115611E+20
-2686	2,283085E+21	4,843790E+21	6,611942E+21	6,611994E+21	4,844032E+21	2,283334E+21	5,116877E+20	3,841957E+18	0,000000E+00	0,000000E+00	3,842569E+18	5,116788E+20
-2685	2,283411E+21	4,844127E+21	6,611993E+21	6,611834E+21	4,843733E+21	2,283067E+21	5,115339E+20	3,839307E+18	0,000000E+00	0,000000E+00	3,840263E+18	5,116733E+20
-2684	2,283229E+21	4,843736E+21	6,611649E+21	6,611813E+21	4,844008E+21	2,283347E+21	5,116887E+20	3,840112E+18	0,000000E+00	0,000000E+00	3,841348E+18	5,115802E+20
-2683	2,283145E+21	4,843810E+21	6,611775E+21	6,611740E+21	4,843782E+21	2,283205E+21	5,116616E+20	3,844642E+18	0,000000E+00	0,000000E+00	3,844580E+18	5,117312E+20
-2682	2,283354E+21	4,843879E+21	6,611606E+21	6,611409E+21	4,843482E+21	2,283060E+21	5,116044E+20	3,842406E+18	0,000000E+00	0,000000E+00	3,843657E+18	5,116563E+20
-2681	2,283017E+21	4,843250E+21	6,611166E+21	6,611318E+21	4,843620E+21	2,283286E+21	5,117817E+20	3,847705E+18	0,000000E+00	0,000000E+00	3,847330E+18	5,116451E+20
-2680	2,283081E+21	4,843423E+21	6,611168E+21	6,611068E+21	4,843197E+21	2,282976E+21	5,116594E+20	3,848894E+18	0,000000E+00	0,000000E+00	3,850305E+18	5,117971E+20
-2679	2,283155E+21	4,843209E+21	6,610751E+21	6,610724E+21	4,843110E+21	2,283025E+21	5,116994E+20	3,848431E+18	0,000000E+00	0,000000E+00	3,850351E+18	5,116903E+20
-2678	2,282868E+21	4,842789E+21	6,610517E+21	6,610646E+21	4,843117E+21	2,283125E+21	5,118037E+20	3,852613E+18	0,000000E+00	0,000000E+00	3,852888E+18	5,117646E+20
-2677	2,283141E+21	4,843147E+21	6,610584E+21	6,610395E+21	4,842689E+21	2,282794E+21	5,116479E+20	3,850861E+18	0,000000E+00	0,000000E+00	3,853243E+18	5,118075E+20

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	2,283028E+21	4,842833E+21	6,610296E+21	6,610354E+21	4,842927E+21	2,283055E+21	5,117819E+20	3,852032E+18	0,000000E+00	0,000000E+00	3,851144E+18	5,116681E+20
-2675	2,282840E+21	4,842830E+21	6,610556E+21	6,610569E+21	4,842949E+21	2,283019E+21	5,117854E+20	3,853853E+18	0,000000E+00	0,000000E+00	3,853386E+18	5,117943E+20
-2674	2,283145E+21	4,843148E+21	6,610663E+21	6,610516E+21	4,842803E+21	2,282853E+21	5,116598E+20	3,850770E+18	0,000000E+00	0,000000E+00	3,851091E+18	5,117478E+20
-2673	2,282932E+21	4,842780E+21	6,610469E+21	6,610710E+21	4,843238E+21	2,283175E+21	5,117965E+20	3,850022E+18	0,000000E+00	0,000000E+00	3,848934E+18	5,116605E+20
-2672	2,283006E+21	4,843222E+21	6,610928E+21	6,610883E+21	4,843144E+21	2,283003E+21	5,116861E+20	3,849468E+18	0,000000E+00	0,000000E+00	3,850648E+18	5,117972E+20
-2671	2,283242E+21	4,843439E+21	6,611041E+21	6,610956E+21	4,843237E+21	2,283032E+21	5,116441E+20	3,845332E+18	0,000000E+00	0,000000E+00	3,845063E+18	5,116554E+20
-2670	2,282988E+21	4,843219E+21	6,611120E+21	6,611275E+21	4,843587E+21	2,283264E+21	5,117636E+20	3,845910E+18	0,000000E+00	0,000000E+00	3,845873E+18	5,116560E+20
-2669	2,283216E+21	4,843718E+21	6,611500E+21	6,611371E+21	4,843390E+21	2,282990E+21	5,115946E+20	3,844969E+18	0,000000E+00	0,000000E+00	3,845336E+18	5,117332E+20
-2668	2,283206E+21	4,843578E+21	6,611339E+21	6,611391E+21	4,843652E+21	2,283205E+21	5,116678E+20	3,842008E+18	0,000000E+00	0,000000E+00	3,842267E+18	5,115969E+20
-2667	2,283003E+21	4,843449E+21	6,611470E+21	6,611571E+21	4,843737E+21	2,283264E+21	5,117298E+20	3,845973E+18	0,000000E+00	0,000000E+00	3,846088E+18	5,117086E+20
-2666	2,283316E+21	4,843790E+21	6,611530E+21	6,611385E+21	4,843415E+21	2,282994E+21	5,115772E+20	3,843277E+18	0,000000E+00	0,000000E+00	3,844206E+18	5,117151E+20
-2665	2,283152E+21	4,843375E+21	6,611095E+21	6,611247E+21	4,843612E+21	2,283250E+21	5,117319E+20	3,844558E+18	0,000000E+00	0,000000E+00	3,845373E+18	5,116107E+20
-2664	2,283034E+21	4,843454E+21	6,611274E+21	6,611186E+21	4,843356E+21	2,283097E+21	5,117054E+20	3,849047E+18	0,000000E+00	0,000000E+00	3,849209E+18	5,117699E+20
-2663	2,283224E+21	4,843461E+21	6,611085E+21	6,610914E+21	4,843089E+21	2,282937E+21	5,116406E+20	3,846902E+18	0,000000E+00	0,000000E+00	3,848777E+18	5,117083E+20
-2662	2,282925E+21	4,842858E+21	6,610588E+21	6,610766E+21	4,843220E+21	2,283165E+21	5,118126E+20	3,851873E+18	0,000000E+00	0,000000E+00	3,852215E+18	5,117010E+20
-2661	2,282997E+21	4,843036E+21	6,610598E+21	6,610503E+21	4,842790E+21	2,282854E+21	5,116841E+20	3,852463E+18	0,000000E+00	0,000000E+00	3,854539E+18	5,118404E+20
-2660	2,283068E+21	4,842825E+21	6,610172E+21	6,610142E+21	4,842708E+21	2,282925E+21	5,117366E+20	3,852416E+18	0,000000E+00	0,000000E+00	3,853964E+18	5,117218E+20
-2659	2,282783E+21	4,842467E+21	6,610047E+21	6,610163E+21	4,842763E+21	2,283044E+21	5,118559E+20	3,857137E+18	0,000000E+00	0,000000E+00	3,856078E+18	5,117787E+20
-2658	2,283011E+21	4,842807E+21	6,610181E+21	6,609993E+21	4,842376E+21	2,282719E+21	5,116976E+20	3,855378E+18	0,000000E+00	0,000000E+00	3,856905E+18	5,118370E+20
-2657	2,282914E+21	4,842449E+21	6,609801E+21	6,609909E+21	4,842612E+21	2,282966E+21	5,118176E+20	3,856070E+18	0,000000E+00	0,000000E+00	3,854784E+18	5,116992E+20
-2656	2,282739E+21	4,842494E+21	6,610104E+21	6,610116E+21	4,842627E+21	2,282936E+21	5,118138E+20	3,857081E+18	0,000000E+00	0,000000E+00	3,857398E+18	5,118365E+20
-2655	2,283064E+21	4,842820E+21	6,610234E+21	6,610123E+21	4,842513E+21	2,282767E+21	5,116810E+20	3,853671E+18	0,000000E+00	0,000000E+00	3,854656E+18	5,117903E+20
-2654	2,282900E+21	4,842556E+21	6,610062E+21	6,610293E+21	4,842942E+21	2,283090E+21	5,118163E+20	3,852541E+18	0,000000E+00	0,000000E+00	3,852092E+18	5,116939E+20
-2653	2,282953E+21	4,843003E+21	6,610572E+21	6,610479E+21	4,842842E+21	2,282916E+21	5,117069E+20	3,852146E+18	0,000000E+00	0,000000E+00	3,853235E+18	5,118116E+20
-2652	2,283139E+21	4,843146E+21	6,610661E+21	6,610571E+21	4,842950E+21	2,282957E+21	5,116771E+20	3,848616E+18	0,000000E+00	0,000000E+00	3,847811E+18	5,116753E+20
-2651	2,282889E+21	4,842907E+21	6,610731E+21	6,610936E+21	4,843334E+21	2,283194E+21	5,118045E+20	3,849858E+18	0,000000E+00	0,000000E+00	3,849137E+18	5,116803E+20
-2650	2,283100E+21	4,843364E+21	6,611057E+21	6,610982E+21	4,843124E+21	2,282925E+21	5,116319E+20	3,848700E+18	0,000000E+00	0,000000E+00	3,849095E+18	5,117793E+20
-2649	2,283136E+21	4,843214E+21	6,610789E+21	6,610868E+21	4,843300E+21	2,283109E+21	5,116973E+20	3,845651E+18	0,000000E+00	0,000000E+00	3,846056E+18	5,116363E+20
-2648	2,282940E+21	4,843155E+21	6,610985E+21	6,611020E+21	4,843338E+21	2,283161E+21	5,117617E+20	3,849563E+18	0,000000E+00	0,000000E+00	3,850066E+18	5,117447E+20
-2647	2,283228E+21	4,843480E+21	6,611094E+21	6,610912E+21	4,843037E+21	2,282885E+21	5,116121E+20	3,847180E+18	0,000000E+00	0,000000E+00	3,848316E+18	5,117503E+20
-2646	2,283068E+21	4,843074E+21	6,610647E+21	6,610774E+21	4,843236E+21	2,283135E+21	5,117663E+20	3,848735E+18	0,000000E+00	0,000000E+00	3,849801E+18	5,116504E+20
-2645	2,282918E+21	4,843074E+21	6,610779E+21	6,610710E+21	4,842999E+21	2,282984E+21	5,117340E+20	3,852884E+18	0,000000E+00	0,000000E+00	3,853471E+18	5,118062E+20
-2644	2,283093E+21	4,843018E+21	6,610500E+21	6,610379E+21	4,842729E+21	2,282846E+21	5,116791E+20	3,851088E+18	0,000000E+00	0,000000E+00	3,853220E+18	5,117540E+20
-2643	2,282826E+21	4,842445E+21	6,610010E+21	6,610238E+21	4,842859E+21	2,283081E+21	5,118622E+20	3,856526E+18	0,000000E+00	0,000000E+00	3,856175E+18	5,117354E+20
-2642	2,282885E+21	4,842638E+21	6,610046E+21	6,609966E+21	4,842423E+21	2,282773E+21	5,117347E+20	3,857008E+18	0,000000E+00	0,000000E+00	3,858631E+18	5,118788E+20
-2641	2,282971E+21	4,842436E+21	6,609593E+21	6,609535E+21	4,842278E+21	2,282818E+21	5,117836E+20	3,857236E+18	0,000000E+00	0,000000E+00	3,857812E+18	5,117492E+20

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	2,282665E+21	4,842115E+21	6,609571E+21	6,609626E+21	4,842345E+21	2,282930E+21	5,118973E+20	3,861475E+18	0,000000E+00	0,000000E+00	3,860350E+18	5,118145E+20
-2639	2,282890E+21	4,842426E+21	6,609721E+21	6,609566E+21	4,842042E+21	2,282613E+21	5,117303E+20	3,859473E+18	0,000000E+00	0,000000E+00	3,861382E+18	5,118853E+20
-2638	2,282850E+21	4,842137E+21	6,609321E+21	6,609451E+21	4,842290E+21	2,282866E+21	5,118386E+20	3,859299E+18	0,000000E+00	0,000000E+00	3,858817E+18	5,117487E+20
-2637	2,282683E+21	4,842203E+21	6,609667E+21	6,609684E+21	4,842324E+21	2,282842E+21	5,118285E+20	3,859594E+18	0,000000E+00	0,000000E+00	3,860506E+18	5,118655E+20
-2636	2,282996E+21	4,842537E+21	6,609810E+21	6,609697E+21	4,842227E+21	2,282697E+21	5,117078E+20	3,856571E+18	0,000000E+00	0,000000E+00	3,857227E+18	5,118092E+20
-2635	2,282823E+21	4,842303E+21	6,609714E+21	6,609938E+21	4,842681E+21	2,283032E+21	5,118579E+20	3,856011E+18	0,000000E+00	0,000000E+00	3,854465E+18	5,117008E+20
-2634	2,282829E+21	4,842696E+21	6,610231E+21	6,610165E+21	4,842608E+21	2,282860E+21	5,117465E+20	3,855730E+18	0,000000E+00	0,000000E+00	3,856231E+18	5,118355E+20
-2633	2,283033E+21	4,842793E+21	6,610192E+21	6,610138E+21	4,842658E+21	2,282877E+21	5,117070E+20	3,852055E+18	0,000000E+00	0,000000E+00	3,851120E+18	5,117080E+20
-2632	2,282806E+21	4,842601E+21	6,610290E+21	6,610463E+21	4,843001E+21	2,283103E+21	5,118278E+20	3,852882E+18	0,000000E+00	0,000000E+00	3,853121E+18	5,117261E+20
-2631	2,283036E+21	4,843056E+21	6,610620E+21	6,610549E+21	4,842803E+21	2,282828E+21	5,116551E+20	3,851781E+18	0,000000E+00	0,000000E+00	3,852944E+18	5,118269E+20
-2630	2,283114E+21	4,842987E+21	6,610352E+21	6,610387E+21	4,842949E+21	2,283001E+21	5,117195E+20	3,848832E+18	0,000000E+00	0,000000E+00	3,849909E+18	5,116767E+20
-2629	2,282877E+21	4,842898E+21	6,610594E+21	6,610566E+21	4,842981E+21	2,283052E+21	5,117879E+20	3,853035E+18	0,000000E+00	0,000000E+00	3,853461E+18	5,117649E+20
-2628	2,283102E+21	4,843116E+21	6,610644E+21	6,610470E+21	4,842703E+21	2,282796E+21	5,116545E+20	3,851463E+18	0,000000E+00	0,000000E+00	3,852242E+18	5,117794E+20
-2627	2,282936E+21	4,842664E+21	6,610148E+21	6,610333E+21	4,842921E+21	2,283060E+21	5,118205E+20	3,853779E+18	0,000000E+00	0,000000E+00	3,854018E+18	5,116846E+20
-2626	2,282771E+21	4,842607E+21	6,610198E+21	6,610196E+21	4,842667E+21	2,282913E+21	5,117847E+20	3,857546E+18	0,000000E+00	0,000000E+00	3,858020E+18	5,118532E+20
-2625	2,282985E+21	4,842552E+21	6,609813E+21	6,609718E+21	4,842298E+21	2,282744E+21	5,117242E+20	3,855781E+18	0,000000E+00	0,000000E+00	3,857668E+18	5,117974E+20
-2624	2,282736E+21	4,842074E+21	6,609420E+21	6,609571E+21	4,842386E+21	2,282960E+21	5,119017E+20	3,860922E+18	0,000000E+00	0,000000E+00	3,860629E+18	5,117761E+20
-2623	2,282779E+21	4,842259E+21	6,609533E+21	6,609417E+21	4,841995E+21	2,282648E+21	5,117741E+20	3,861451E+18	0,000000E+00	0,000000E+00	3,863091E+18	5,119191E+20
-2622	2,282891E+21	4,842115E+21	6,609121E+21	6,609037E+21	4,841880E+21	2,282686E+21	5,118117E+20	3,861365E+18	0,000000E+00	0,000000E+00	3,862301E+18	5,117951E+20
-2621	2,282575E+21	4,841778E+21	6,609122E+21	6,609178E+21	4,841999E+21	2,282809E+21	5,119146E+20	3,864719E+18	0,000000E+00	0,000000E+00	3,864209E+18	5,118500E+20
-2620	2,282789E+21	4,842058E+21	6,609241E+21	6,609127E+21	4,841751E+21	2,282540E+21	5,117597E+20	3,862823E+18	0,000000E+00	0,000000E+00	3,865066E+18	5,119235E+20
-2619	2,282777E+21	4,841826E+21	6,608901E+21	6,609066E+21	4,842029E+21	2,282809E+21	5,118760E+20	3,862676E+18	0,000000E+00	0,000000E+00	3,861749E+18	5,117744E+20
-2618	2,282596E+21	4,841901E+21	6,609255E+21	6,609288E+21	4,842073E+21	2,282798E+21	5,118689E+20	3,862916E+18	0,000000E+00	0,000000E+00	3,863351E+18	5,118849E+20
-2617	2,282902E+21	4,842221E+21	6,609359E+21	6,609227E+21	4,841906E+21	2,282626E+21	5,117468E+20	3,860260E+18	0,000000E+00	0,000000E+00	3,859965E+18	5,118253E+20
-2616	2,282720E+21	4,842011E+21	6,609326E+21	6,609492E+21	4,842343E+21	2,282939E+21	5,118895E+20	3,859432E+18	0,000000E+00	0,000000E+00	3,857957E+18	5,117306E+20
-2615	2,282726E+21	4,842351E+21	6,609812E+21	6,609775E+21	4,842318E+21	2,282770E+21	5,117735E+20	3,859192E+18	0,000000E+00	0,000000E+00	3,860006E+18	5,118800E+20
-2614	2,282993E+21	4,842525E+21	6,609755E+21	6,609689E+21	4,842335E+21	2,282773E+21	5,117237E+20	3,854937E+18	0,000000E+00	0,000000E+00	3,854926E+18	5,117576E+20
-2613	2,282771E+21	4,842353E+21	6,609892E+21	6,610025E+21	4,842672E+21	2,282994E+21	5,118395E+20	3,855442E+18	0,000000E+00	0,000000E+00	3,856255E+18	5,117540E+20
-2612	2,282969E+21	4,842784E+21	6,610221E+21	6,610123E+21	4,842504E+21	2,282755E+21	5,116883E+20	3,855115E+18	0,000000E+00	0,000000E+00	3,855947E+18	5,118475E+20
-2611	2,283020E+21	4,842702E+21	6,610001E+21	6,610022E+21	4,842662E+21	2,282935E+21	5,117675E+20	3,853080E+18	0,000000E+00	0,000000E+00	3,853155E+18	5,116925E+20
-2610	2,282733E+21	4,842510E+21	6,610164E+21	6,610187E+21	4,842713E+21	2,282993E+21	5,118375E+20	3,857505E+18	0,000000E+00	0,000000E+00	3,857371E+18	5,117924E+20
-2609	2,282957E+21	4,842651E+21	6,610047E+21	6,609925E+21	4,842347E+21	2,282712E+21	5,116994E+20	3,856058E+18	0,000000E+00	0,000000E+00	3,856721E+18	5,118212E+20
-2608	2,282818E+21	4,842234E+21	6,609548E+21	6,609707E+21	4,842496E+21	2,282956E+21	5,118596E+20	3,858133E+18	0,000000E+00	0,000000E+00	3,859012E+18	5,117400E+20
-2607	2,282679E+21	4,842174E+21	6,609589E+21	6,609597E+21	4,842246E+21	2,282799E+21	5,118218E+20	3,861748E+18	0,000000E+00	0,000000E+00	3,862811E+18	5,119085E+20
-2606	2,282942E+21	4,842226E+21	6,609231E+21	6,609069E+21	4,841829E+21	2,282608E+21	5,117560E+20	3,859953E+18	0,000000E+00	0,000000E+00	3,862326E+18	5,118462E+20
-2605	2,282661E+21	4,841753E+21	6,608944E+21	6,609014E+21	4,841935E+21	2,282812E+21	5,119261E+20	3,864816E+18	0,000000E+00	0,000000E+00	3,864534E+18	5,118057E+20

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	2,282661E+21	4,841882E+21	6,609061E+21	6,608945E+21	4,841629E+21	2,282539E+21	5,118121E+20	3,865734E+18	0,000000E+00	0,000000E+00	3,867346E+18	5,119554E+20
-2603	2,282778E+21	4,841733E+21	6,608667E+21	6,608626E+21	4,841576E+21	2,282606E+21	5,118553E+20	3,865884E+18	0,000000E+00	0,000000E+00	3,866237E+18	5,118311E+20
-2602	2,282463E+21	4,841387E+21	6,608639E+21	6,608756E+21	4,841730E+21	2,282754E+21	5,119553E+20	3,868501E+18	0,000000E+00	0,000000E+00	3,867914E+18	5,118844E+20
-2601	2,282699E+21	4,841684E+21	6,608690E+21	6,608595E+21	4,841417E+21	2,282473E+21	5,118006E+20	3,866661E+18	0,000000E+00	0,000000E+00	3,868326E+18	5,119481E+20
-2600	2,282691E+21	4,841534E+21	6,608457E+21	6,608545E+21	4,841672E+21	2,282732E+21	5,119121E+20	3,866099E+18	0,000000E+00	0,000000E+00	3,864912E+18	5,117977E+20
-2599	2,282495E+21	4,841573E+21	6,608855E+21	6,608877E+21	4,841758E+21	2,282714E+21	5,119035E+20	3,866445E+18	0,000000E+00	0,000000E+00	3,866653E+18	5,119107E+20
-2598	2,282828E+21	4,841938E+21	6,608955E+21	6,608814E+21	4,841588E+21	2,282520E+21	5,117671E+20	3,863364E+18	0,000000E+00	0,000000E+00	3,863547E+18	5,118644E+20
-2597	2,282652E+21	4,841735E+21	6,608954E+21	6,609108E+21	4,842038E+21	2,282823E+21	5,118954E+20	3,861765E+18	0,000000E+00	0,000000E+00	3,861206E+18	5,117651E+20
-2596	2,282661E+21	4,842057E+21	6,609416E+21	6,609394E+21	4,842049E+21	2,282696E+21	5,117956E+20	3,861974E+18	0,000000E+00	0,000000E+00	3,863268E+18	5,119171E+20
-2595	2,282946E+21	4,842275E+21	6,609411E+21	6,609347E+21	4,842081E+21	2,282712E+21	5,117574E+20	3,858152E+18	0,000000E+00	0,000000E+00	3,857817E+18	5,117835E+20
-2594	2,282699E+21	4,842087E+21	6,609528E+21	6,609652E+21	4,842419E+21	2,282946E+21	5,118803E+20	3,859009E+18	0,000000E+00	0,000000E+00	3,859287E+18	5,117706E+20
-2593	2,282857E+21	4,842442E+21	6,609764E+21	6,609650E+21	4,842174E+21	2,282687E+21	5,117363E+20	3,859404E+18	0,000000E+00	0,000000E+00	3,859325E+18	5,118665E+20
-2592	2,282892E+21	4,842332E+21	6,609533E+21	6,609525E+21	4,842302E+21	2,282844E+21	5,118093E+20	3,857430E+18	0,000000E+00	0,000000E+00	3,857720E+18	5,117347E+20
-2591	2,282608E+21	4,842045E+21	6,609586E+21	6,609673E+21	4,842358E+21	2,282899E+21	5,118772E+20	3,861940E+18	0,000000E+00	0,000000E+00	3,862196E+18	5,118464E+20
-2590	2,282887E+21	4,842257E+21	6,609434E+21	6,609309E+21	4,841917E+21	2,282588E+21	5,117283E+20	3,859990E+18	0,000000E+00	0,000000E+00	3,861726E+18	5,118827E+20
-2589	2,282764E+21	4,841888E+21	6,608993E+21	6,609088E+21	4,842022E+21	2,282804E+21	5,118789E+20	3,861757E+18	0,000000E+00	0,000000E+00	3,863145E+18	5,117782E+20
-2588	2,282594E+21	4,841819E+21	6,609061E+21	6,609019E+21	4,841820E+21	2,282687E+21	5,118612E+20	3,865931E+18	0,000000E+00	0,000000E+00	3,866743E+18	5,119379E+20
-2587	2,282835E+21	4,841882E+21	6,608809E+21	6,608615E+21	4,841455E+21	2,282507E+21	5,118046E+20	3,864804E+18	0,000000E+00	0,000000E+00	3,866238E+18	5,118716E+20
-2586	2,282526E+21	4,841353E+21	6,608479E+21	6,608589E+21	4,841626E+21	2,282733E+21	5,119708E+20	3,869346E+18	0,000000E+00	0,000000E+00	3,868594E+18	5,118353E+20
-2585	2,282524E+21	4,841434E+21	6,608484E+21	6,608417E+21	4,841287E+21	2,282466E+21	5,118592E+20	3,870247E+18	0,000000E+00	0,000000E+00	3,871622E+18	5,119929E+20
-2584	2,282668E+21	4,841339E+21	6,608134E+21	6,608087E+21	4,841215E+21	2,282526E+21	5,118945E+20	3,869967E+18	0,000000E+00	0,000000E+00	3,870558E+18	5,118766E+20
-2583	2,282375E+21	4,840991E+21	6,608104E+21	6,608260E+21	4,841394E+21	2,282675E+21	5,119934E+20	3,872233E+18	0,000000E+00	0,000000E+00	3,871755E+18	5,119216E+20
-2582	2,282645E+21	4,841394E+21	6,608206E+21	6,608063E+21	4,841036E+21	2,282372E+21	5,118309E+20	3,870194E+18	0,000000E+00	0,000000E+00	3,871994E+18	5,119813E+20
-2581	2,282612E+21	4,841256E+21	6,608074E+21	6,608095E+21	4,841291E+21	2,282603E+21	5,119301E+20	3,869055E+18	0,000000E+00	0,000000E+00	3,867895E+18	5,118192E+20
-2580	2,282394E+21	4,841249E+21	6,608451E+21	6,608494E+21	4,841468E+21	2,282628E+21	5,119320E+20	3,869737E+18	0,000000E+00	0,000000E+00	3,870062E+18	5,119418E+20
-2579	2,282745E+21	4,841635E+21	6,608590E+21	6,608483E+21	4,841341E+21	2,282453E+21	5,117985E+20	3,866733E+18	0,000000E+00	0,000000E+00	3,866714E+18	5,118997E+20
-2578	2,282588E+21	4,841447E+21	6,608568E+21	6,608760E+21	4,841807E+21	2,282768E+21	5,119225E+20	3,864672E+18	0,000000E+00	0,000000E+00	3,864310E+18	5,117958E+20
-2577	2,282600E+21	4,841767E+21	6,608967E+21	6,608941E+21	4,841752E+21	2,282635E+21	5,118324E+20	3,865402E+18	0,000000E+00	0,000000E+00	3,866170E+18	5,119383E+20
-2576	2,282869E+21	4,842020E+21	6,609036E+21	6,608902E+21	4,841758E+21	2,282639E+21	5,117936E+20	3,861664E+18	0,000000E+00	0,000000E+00	3,861115E+18	5,118067E+20
-2575	2,282593E+21	4,841749E+21	6,609127E+21	6,609264E+21	4,842117E+21	2,282869E+21	5,119203E+20	3,862993E+18	0,000000E+00	0,000000E+00	3,863012E+18	5,117993E+20
-2574	2,282764E+21	4,842100E+21	6,609284E+21	6,609174E+21	4,841823E+21	2,282582E+21	5,117661E+20	3,863149E+18	0,000000E+00	0,000000E+00	3,863630E+18	5,119095E+20
-2573	2,282797E+21	4,841964E+21	6,609035E+21	6,609021E+21	4,841913E+21	2,282716E+21	5,118271E+20	3,860643E+18	0,000000E+00	0,000000E+00	3,861946E+18	5,117798E+20
-2572	2,282525E+21	4,841657E+21	6,609036E+21	6,609146E+21	4,841989E+21	2,282801E+21	5,119089E+20	3,865614E+18	0,000000E+00	0,000000E+00	3,866454E+18	5,118927E+20
-2571	2,282814E+21	4,841911E+21	6,608936E+21	6,608799E+21	4,841544E+21	2,282494E+21	5,117708E+20	3,864172E+18	0,000000E+00	0,000000E+00	3,865659E+18	5,119190E+20
-2570	2,282677E+21	4,841548E+21	6,608511E+21	6,608579E+21	4,841650E+21	2,282713E+21	5,119229E+20	3,866244E+18	0,000000E+00	0,000000E+00	3,866994E+18	5,118022E+20
-2569	2,282465E+21	4,841415E+21	6,608522E+21	6,608459E+21	4,841400E+21	2,282585E+21	5,119154E+20	3,871031E+18	0,000000E+00	0,000000E+00	3,870851E+18	5,119636E+20

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	2,282691E+21	4,841459E+21	6,608279E+21	6,608082E+21	4,841062E+21	2,282405E+21	5,118524E+20	3,869914E+18	0,000000E+00	0,000000E+00	3,871191E+18	5,119161E+20
-2567	2,282395E+21	4,840880E+21	6,607890E+21	6,608071E+21	4,841272E+21	2,282645E+21	5,120152E+20	3,874052E+18	0,000000E+00	0,000000E+00	3,873441E+18	5,118878E+20
-2566	2,282450E+21	4,841043E+21	6,607883E+21	6,607824E+21	4,840883E+21	2,282360E+21	5,118931E+20	3,874205E+18	0,000000E+00	0,000000E+00	3,876354E+18	5,120450E+20
-2565	2,282604E+21	4,841007E+21	6,607626E+21	6,607542E+21	4,840800E+21	2,282396E+21	5,119149E+20	3,873190E+18	0,000000E+00	0,000000E+00	3,874150E+18	5,119095E+20
-2564	2,282295E+21	4,840669E+21	6,607638E+21	6,607781E+21	4,841043E+21	2,282582E+21	5,120261E+20	3,875617E+18	0,000000E+00	0,000000E+00	3,875105E+18	5,119451E+20
-2563	2,282541E+21	4,841089E+21	6,607849E+21	6,607701E+21	4,840736E+21	2,282288E+21	5,118674E+20	3,873959E+18	0,000000E+00	0,000000E+00	3,875104E+18	5,120041E+20
-2562	2,282510E+21	4,840939E+21	6,607694E+21	6,607756E+21	4,841040E+21	2,282530E+21	5,119573E+20	3,872257E+18	0,000000E+00	0,000000E+00	3,871010E+18	5,118452E+20
-2561	2,282297E+21	4,840912E+21	6,607989E+21	6,608060E+21	4,841179E+21	2,282562E+21	5,119664E+20	3,873104E+18	0,000000E+00	0,000000E+00	3,873353E+18	5,119747E+20
-2560	2,282679E+21	4,841359E+21	6,608179E+21	6,608063E+21	4,841057E+21	2,282387E+21	5,118285E+20	3,869890E+18	0,000000E+00	0,000000E+00	3,870111E+18	5,119388E+20
-2559	2,282536E+21	4,841163E+21	6,608146E+21	6,608357E+21	4,841534E+21	2,282705E+21	5,119553E+20	3,867920E+18	0,000000E+00	0,000000E+00	3,867519E+18	5,118265E+20
-2558	2,282555E+21	4,841533E+21	6,608566E+21	6,608488E+21	4,841417E+21	2,282547E+21	5,118635E+20	3,868766E+18	0,000000E+00	0,000000E+00	3,869532E+18	5,119644E+20
-2557	2,282781E+21	4,841748E+21	6,608682E+21	6,608502E+21	4,841397E+21	2,282511E+21	5,118136E+20	3,864756E+18	0,000000E+00	0,000000E+00	3,864454E+18	5,118313E+20
-2556	2,282482E+21	4,841381E+21	6,608663E+21	6,608851E+21	4,841813E+21	2,282782E+21	5,119538E+20	3,866762E+18	0,000000E+00	0,000000E+00	3,866979E+18	5,118345E+20
-2555	2,282650E+21	4,841725E+21	6,608824E+21	6,608753E+21	4,841518E+21	2,282504E+21	5,118048E+20	3,867114E+18	0,000000E+00	0,000000E+00	3,867531E+18	5,119500E+20
-2554	2,282712E+21	4,841600E+21	6,608520E+21	6,608531E+21	4,841577E+21	2,282634E+21	5,118642E+20	3,864543E+18	0,000000E+00	0,000000E+00	3,865832E+18	5,118137E+20
-2553	2,282431E+21	4,841280E+21	6,608450E+21	6,608540E+21	4,841576E+21	2,282711E+21	5,119587E+20	3,870209E+18	0,000000E+00	0,000000E+00	3,870195E+18	5,119194E+20
-2552	2,282703E+21	4,841556E+21	6,608420E+21	6,608231E+21	4,841127E+21	2,282392E+21	5,118201E+20	3,869008E+18	0,000000E+00	0,000000E+00	3,870023E+18	5,119514E+20
-2551	2,282544E+21	4,841117E+21	6,607980E+21	6,608077E+21	4,841265E+21	2,282605E+21	5,119691E+20	3,871310E+18	0,000000E+00	0,000000E+00	3,871705E+18	5,118438E+20
-2550	2,282356E+21	4,840999E+21	6,607946E+21	6,607902E+21	4,840989E+21	2,282461E+21	5,119507E+20	3,875487E+18	0,000000E+00	0,000000E+00	3,876026E+18	5,120170E+20
-2549	2,282588E+21	4,841052E+21	6,607733E+21	6,607542E+21	4,840637E+21	2,282264E+21	5,118746E+20	3,873648E+18	0,000000E+00	0,000000E+00	3,876021E+18	5,119691E+20
-2548	2,282314E+21	4,840484E+21	6,607320E+21	6,607540E+21	4,840907E+21	2,282551E+21	5,120490E+20	3,877771E+18	0,000000E+00	0,000000E+00	3,877793E+18	5,119342E+20
-2547	2,282369E+21	4,840714E+21	6,607412E+21	6,607338E+21	4,840538E+21	2,282279E+21	5,119347E+20	3,878116E+18	0,000000E+00	0,000000E+00	3,879975E+18	5,120751E+20
-2546	2,282517E+21	4,840696E+21	6,607187E+21	6,607086E+21	4,840469E+21	2,282318E+21	5,119537E+20	3,877014E+18	0,000000E+00	0,000000E+00	3,877294E+18	5,119277E+20
-2545	2,282175E+21	4,840309E+21	6,607151E+21	6,607296E+21	4,840689E+21	2,282495E+21	5,120706E+20	3,879730E+18	0,000000E+00	0,000000E+00	3,878424E+18	5,119677E+20
-2544	2,282422E+21	4,840731E+21	6,607380E+21	6,607262E+21	4,840432E+21	2,282207E+21	5,119042E+20	3,877982E+18	0,000000E+00	0,000000E+00	3,878890E+18	5,120426E+20
-2543	2,282420E+21	4,840583E+21	6,607226E+21	6,607345E+21	4,840761E+21	2,282456E+21	5,119878E+20	3,875780E+18	0,000000E+00	0,000000E+00	3,874655E+18	5,118908E+20
-2542	2,282268E+21	4,840655E+21	6,607539E+21	6,607584E+21	4,840841E+21	2,282466E+21	5,119899E+20	3,876130E+18	0,000000E+00	0,000000E+00	3,876878E+18	5,120127E+20
-2541	2,282634E+21	4,841138E+21	6,607823E+21	6,607650E+21	4,840716E+21	2,282274E+21	5,118443E+20	3,872436E+18	0,000000E+00	0,000000E+00	3,872789E+18	5,119593E+20
-2540	2,282464E+21	4,840922E+21	6,607807E+21	6,608003E+21	4,841257E+21	2,282629E+21	5,119842E+20	3,870924E+18	0,000000E+00	0,000000E+00	3,870486E+18	5,118439E+20
-2539	2,282442E+21	4,841250E+21	6,608254E+21	6,608187E+21	4,841170E+21	2,282479E+21	5,118994E+20	3,872299E+18	0,000000E+00	0,000000E+00	3,872547E+18	5,119829E+20
-2538	2,282664E+21	4,841409E+21	6,608274E+21	6,608155E+21	4,841157E+21	2,282446E+21	5,118434E+20	3,868076E+18	0,000000E+00	0,000000E+00	3,867905E+18	5,118599E+20
-2537	2,282369E+21	4,840990E+21	6,608112E+21	6,608344E+21	4,841482E+21	2,282708E+21	5,119948E+20	3,870729E+18	0,000000E+00	0,000000E+00	3,870854E+18	5,118731E+20
-2536	2,282556E+21	4,841352E+21	6,608272E+21	6,608221E+21	4,841164E+21	2,282420E+21	5,118453E+20	3,871189E+18	0,000000E+00	0,000000E+00	3,871747E+18	5,119947E+20
-2535	2,282631E+21	4,841231E+21	6,607967E+21	6,607982E+21	4,841193E+21	2,282537E+21	5,119069E+20	3,869032E+18	0,000000E+00	0,000000E+00	3,870158E+18	5,118567E+20
-2534	2,282360E+21	4,840954E+21	6,607920E+21	6,607935E+21	4,841112E+21	2,282577E+21	5,119969E+20	3,874723E+18	0,000000E+00	0,000000E+00	3,874743E+18	5,119594E+20
-2533	2,282594E+21	4,841189E+21	6,607935E+21	6,607709E+21	4,840674E+21	2,282234E+21	5,118480E+20	3,873141E+18	0,000000E+00	0,000000E+00	3,874735E+18	5,119948E+20

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	2,282430E+21	4,840695E+21	6,607421E+21	6,607570E+21	4,840894E+21	2,282494E+21	5,120043E+20	3,875741E+18	0,000000E+00	0,000000E+00	3,876729E+18	5,118967E+20
-2531	2,282247E+21	4,840596E+21	6,607423E+21	6,607407E+21	4,840640E+21	2,282371E+21	5,119916E+20	3,879757E+18	0,000000E+00	0,000000E+00	3,880569E+18	5,120651E+20
-2530	2,282506E+21	4,840677E+21	6,607193E+21	6,607028E+21	4,840289E+21	2,282181E+21	5,119130E+20	3,877719E+18	0,000000E+00	0,000000E+00	3,880067E+18	5,120027E+20
-2529	2,282212E+21	4,840107E+21	6,606736E+21	6,606945E+21	4,840510E+21	2,282469E+21	5,120999E+20	3,882223E+18	0,000000E+00	0,000000E+00	3,881258E+18	5,119568E+20
-2528	2,282244E+21	4,840351E+21	6,606914E+21	6,606823E+21	4,840172E+21	2,282194E+21	5,119838E+20	3,882694E+18	0,000000E+00	0,000000E+00	3,883681E+18	5,120983E+20
-2527	2,282385E+21	4,840294E+21	6,606688E+21	6,606625E+21	4,840135E+21	2,282229E+21	5,119958E+20	3,881440E+18	0,000000E+00	0,000000E+00	3,881045E+18	5,119618E+20
-2526	2,282083E+21	4,839959E+21	6,606646E+21	6,606793E+21	4,840326E+21	2,282385E+21	5,120977E+20	3,883274E+18	0,000000E+00	0,000000E+00	3,882441E+18	5,120113E+20
-2525	2,282348E+21	4,840426E+21	6,606956E+21	6,606823E+21	4,840079E+21	2,282084E+21	5,119180E+20	3,880744E+18	0,000000E+00	0,000000E+00	3,882473E+18	5,120857E+20
-2524	2,282374E+21	4,840312E+21	6,606811E+21	6,606949E+21	4,840482E+21	2,282376E+21	5,120089E+20	3,878482E+18	0,000000E+00	0,000000E+00	3,877925E+18	5,119259E+20
-2523	2,282214E+21	4,840445E+21	6,607233E+21	6,607242E+21	4,840589E+21	2,282404E+21	5,120206E+20	3,879150E+18	0,000000E+00	0,000000E+00	3,879558E+18	5,120306E+20
-2522	2,282557E+21	4,840905E+21	6,607521E+21	6,607332E+21	4,840470E+21	2,282212E+21	5,118757E+20	3,875631E+18	0,000000E+00	0,000000E+00	3,875283E+18	5,119668E+20
-2521	2,282337E+21	4,840590E+21	6,607380E+21	6,607600E+21	4,840972E+21	2,282562E+21	5,120269E+20	3,874763E+18	0,000000E+00	0,000000E+00	3,873673E+18	5,118650E+20
-2520	2,282309E+21	4,840864E+21	6,607766E+21	6,607766E+21	4,840902E+21	2,282414E+21	5,119391E+20	3,876343E+18	0,000000E+00	0,000000E+00	3,876410E+18	5,120197E+20
-2519	2,282558E+21	4,841004E+21	6,607725E+21	6,607669E+21	4,840846E+21	2,282372E+21	5,118806E+20	3,871973E+18	0,000000E+00	0,000000E+00	3,872100E+18	5,119127E+20
-2518	2,282325E+21	4,840667E+21	6,607554E+21	6,607747E+21	4,841062E+21	2,282589E+21	5,120236E+20	3,874453E+18	0,000000E+00	0,000000E+00	3,875168E+18	5,119211E+20
-2517	2,282496E+21	4,841058E+21	6,607801E+21	6,607670E+21	4,840716E+21	2,282275E+21	5,118680E+20	3,874580E+18	0,000000E+00	0,000000E+00	3,875662E+18	5,120319E+20
-2516	2,282549E+21	4,840915E+21	6,607515E+21	6,607498E+21	4,840806E+21	2,282418E+21	5,119389E+20	3,873109E+18	0,000000E+00	0,000000E+00	3,874461E+18	5,118926E+20
-2515	2,282244E+21	4,840615E+21	6,607506E+21	6,607507E+21	4,840768E+21	2,282471E+21	5,120333E+20	3,879000E+18	0,000000E+00	0,000000E+00	3,878938E+18	5,119948E+20
-2514	2,282476E+21	4,840800E+21	6,607443E+21	6,607261E+21	4,840358E+21	2,282147E+21	5,118840E+20	3,877260E+18	0,000000E+00	0,000000E+00	3,879156E+18	5,120325E+20
-2513	2,282308E+21	4,840263E+21	6,606816E+21	6,607002E+21	4,840524E+21	2,282417E+21	5,120541E+20	3,880403E+18	0,000000E+00	0,000000E+00	3,881142E+18	5,119413E+20
-2512	2,282136E+21	4,840168E+21	6,606811E+21	6,606841E+21	4,840283E+21	2,282297E+21	5,120437E+20	3,884441E+18	0,000000E+00	0,000000E+00	3,884827E+18	5,121007E+20
-2511	2,282395E+21	4,840266E+21	6,606606E+21	6,606453E+21	4,839910E+21	2,282102E+21	5,119665E+20	3,882614E+18	0,000000E+00	0,000000E+00	3,884249E+18	5,120399E+20
-2510	2,282119E+21	4,839749E+21	6,606187E+21	6,606327E+21	4,840045E+21	2,282340E+21	5,121405E+20	3,886733E+18	0,000000E+00	0,000000E+00	3,885367E+18	5,119904E+20
-2509	2,282123E+21	4,839964E+21	6,606422E+21	6,606308E+21	4,839740E+21	2,282045E+21	5,120090E+20	3,886520E+18	0,000000E+00	0,000000E+00	3,887799E+18	5,121369E+20
-2508	2,282286E+21	4,839921E+21	6,606194E+21	6,606169E+21	4,839803E+21	2,282122E+21	5,120196E+20	3,885022E+18	0,000000E+00	0,000000E+00	3,885205E+18	5,120099E+20
-2507	2,282014E+21	4,839669E+21	6,606249E+21	6,606381E+21	4,840028E+21	2,282297E+21	5,121220E+20	3,886369E+18	0,000000E+00	0,000000E+00	3,885917E+18	5,120508E+20
-2506	2,282305E+21	4,840179E+21	6,606580E+21	6,606449E+21	4,839823E+21	2,282019E+21	5,119437E+20	3,883683E+18	0,000000E+00	0,000000E+00	3,885249E+18	5,121051E+20
-2505	2,282296E+21	4,840054E+21	6,606419E+21	6,606530E+21	4,840198E+21	2,282317E+21	5,120474E+20	3,881825E+18	0,000000E+00	0,000000E+00	3,880505E+18	5,119401E+20
-2504	2,282104E+21	4,840146E+21	6,606864E+21	6,606892E+21	4,840345E+21	2,282348E+21	5,120612E+20	3,882882E+18	0,000000E+00	0,000000E+00	3,882486E+18	5,120427E+20
-2503	2,282426E+21	4,840542E+21	6,607099E+21	6,606972E+21	4,840227E+21	2,282152E+21	5,119123E+20	3,879369E+18	0,000000E+00	0,000000E+00	3,878754E+18	5,120004E+20
-2502	2,282250E+21	4,840251E+21	6,606886E+21	6,607098E+21	4,840627E+21	2,282462E+21	5,120517E+20	3,878023E+18	0,000000E+00	0,000000E+00	3,877760E+18	5,119123E+20
-2501	2,282237E+21	4,840528E+21	6,607291E+21	6,607274E+21	4,840526E+21	2,282294E+21	5,119552E+20	3,879162E+18	0,000000E+00	0,000000E+00	3,880300E+18	5,120683E+20
-2500	2,282514E+21	4,840705E+21	6,607241E+21	6,607178E+21	4,840502E+21	2,282273E+21	5,119050E+20	3,875131E+18	0,000000E+00	0,000000E+00	3,876066E+18	5,119578E+20
-2499	2,282272E+21	4,840428E+21	6,607176E+21	6,607282E+21	4,840705E+21	2,282488E+21	5,120552E+20	3,878132E+18	0,000000E+00	0,000000E+00	3,878732E+18	5,119510E+20
-2498	2,282413E+21	4,840771E+21	6,607418E+21	6,607245E+21	4,840376E+21	2,282178E+21	5,119052E+20	3,878601E+18	0,000000E+00	0,000000E+00	3,879225E+18	5,120512E+20
-2497	2,282409E+21	4,840510E+21	6,607004E+21	6,607004E+21	4,840449E+21	2,282327E+21	5,119885E+20	3,878036E+18	0,000000E+00	0,000000E+00	3,878721E+18	5,119265E+20

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												
-2496	2,282100E+21	4,840155E+21	6,606927E+21	6,607007E+21	4,840448E+21	2,282397E+21	5,120848E+20	3,884070E+18	0,000000E+00	0,000000E+00	3,883511E+18	5,120342E+20
-2495	2,282348E+21	4,840328E+21	6,606809E+21	6,606686E+21	4,839998E+21	2,282076E+21	5,119385E+20	3,882313E+18	0,000000E+00	0,000000E+00	3,884011E+18	5,120824E+20
-2494	2,282221E+21	4,839853E+21	6,606171E+21	6,606315E+21	4,840056E+21	2,282302E+21	5,120997E+20	3,885174E+18	0,000000E+00	0,000000E+00	3,885737E+18	5,119852E+20
-2493	2,282033E+21	4,839776E+21	6,606258E+21	6,606230E+21	4,839804E+21	2,282155E+21	5,120775E+20	3,888515E+18	0,000000E+00	0,000000E+00	3,889059E+18	5,121347E+20
-2492	2,282281E+21	4,839872E+21	6,606077E+21	6,605917E+21	4,839500E+21	2,281979E+21	5,120012E+20	3,886907E+18	0,000000E+00	0,000000E+00	3,888683E+18	5,120786E+20
-2491	2,282006E+21	4,839395E+21	6,605744E+21	6,605863E+21	4,839682E+21	2,282220E+21	5,121667E+20	3,890495E+18	0,000000E+00	0,000000E+00	3,889373E+18	5,120311E+20
-2490	2,282037E+21	4,839624E+21	6,605976E+21	6,605877E+21	4,839428E+21	2,281951E+21	5,120331E+20	3,889864E+18	0,000000E+00	0,000000E+00	3,891572E+18	5,121722E+20
-2489	2,282201E+21	4,839580E+21	6,605714E+21	6,605700E+21	4,839488E+21	2,282048E+21	5,120540E+20	3,888577E+18	0,000000E+00	0,000000E+00	3,888660E+18	5,120480E+20
-2488	2,281949E+21	4,839370E+21	6,605810E+21	6,605975E+21	4,839773E+21	2,282242E+21	5,121600E+20	3,889911E+18	0,000000E+00	0,000000E+00	3,889003E+18	5,120729E+20
-2487	2,282223E+21	4,839890E+21	6,606175E+21	6,606045E+21	4,839564E+21	2,281975E+21	5,119881E+20	3,887502E+18	0,000000E+00	0,000000E+00	3,888311E+18	5,121278E+20
-2486	2,282212E+21	4,839773E+21	6,606022E+21	6,606078E+21	4,839856E+21	2,282223E+21	5,120798E+20	3,885255E+18	0,000000E+00	0,000000E+00	3,883820E+18	5,119675E+20
-2485	2,281997E+21	4,839802E+21	6,606455E+21	6,606488E+21	4,840013E+21	2,282235E+21	5,120802E+20	3,885859E+18	0,000000E+00	0,000000E+00	3,886091E+18	5,120768E+20
-2484	2,282336E+21	4,840193E+21	6,606638E+21	6,606551E+21	4,839938E+21	2,282067E+21	5,119332E+20	3,882370E+18	0,000000E+00	0,000000E+00	3,882666E+18	5,120484E+20
-2483	2,282199E+21	4,839989E+21	6,606490E+21	6,606655E+21	4,840305E+21	2,282369E+21	5,120723E+20	3,880911E+18	0,000000E+00	0,000000E+00	3,881303E+18	5,119540E+20
-2482	2,282202E+21	4,840282E+21	6,606895E+21	6,606837E+21	4,840214E+21	2,282211E+21	5,119829E+20	3,882330E+18	0,000000E+00	0,000000E+00	3,883244E+18	5,120880E+20
-2481	2,282431E+21	4,840419E+21	6,606822E+21	6,606704E+21	4,840157E+21	2,282193E+21	5,119489E+20	3,879196E+18	0,000000E+00	0,000000E+00	3,879318E+18	5,119788E+20
-2480	2,282154E+21	4,840071E+21	6,606737E+21	6,606869E+21	4,840403E+21	2,282409E+21	5,121024E+20	3,882832E+18	0,000000E+00	0,000000E+00	3,882366E+18	5,119682E+20
-2479	2,282262E+21	4,840335E+21	6,606903E+21	6,606794E+21	4,840078E+21	2,282112E+21	5,119563E+20	3,883405E+18	0,000000E+00	0,000000E+00	3,883681E+18	5,120918E+20
-2478	2,282293E+21	4,840080E+21	6,606416E+21	6,606408E+21	4,840031E+21	2,282215E+21	5,120276E+20	3,882580E+18	0,000000E+00	0,000000E+00	3,883829E+18	5,119820E+20
-2477	2,281998E+21	4,839708E+21	6,606322E+21	6,606407E+21	4,840002E+21	2,282270E+21	5,121157E+20	3,888024E+18	0,000000E+00	0,000000E+00	3,888359E+18	5,120856E+20
-2476	2,282263E+21	4,839923E+21	6,606205E+21	6,606085E+21	4,839584E+21	2,281967E+21	5,119753E+20	3,886513E+18	0,000000E+00	0,000000E+00	3,888931E+18	5,121324E+20
-2475	2,282141E+21	4,839532E+21	6,605682E+21	6,605727E+21	4,839610E+21	2,282179E+21	5,121365E+20	3,889498E+18	0,000000E+00	0,000000E+00	3,889947E+18	5,120228E+20
-2474	2,281936E+21	4,839414E+21	6,605776E+21	6,605716E+21	4,839401E+21	2,282036E+21	5,121128E+20	3,892693E+18	0,000000E+00	0,000000E+00	3,892980E+18	5,121594E+20
-2473	2,282146E+21	4,839446E+21	6,605527E+21	6,605389E+21	4,839120E+21	2,281875E+21	5,120432E+20	3,891532E+18	0,000000E+00	0,000000E+00	3,892939E+18	5,121201E+20
-2472	2,281897E+21	4,838977E+21	6,605198E+21	6,605391E+21	4,839371E+21	2,282136E+21	5,122048E+20	3,894774E+18	0,000000E+00	0,000000E+00	3,893362E+18	5,120696E+20
-2471	2,281950E+21	4,839253E+21	6,605461E+21	6,605399E+21	4,839127E+21	2,281894E+21	5,120781E+20	3,893976E+18	0,000000E+00	0,000000E+00	3,895544E+18	5,122144E+20
-2470	2,282145E+21	4,839290E+21	6,605247E+21	6,605173E+21	4,839111E+21	2,281953E+21	5,120882E+20	3,892233E+18	0,000000E+00	0,000000E+00	3,892117E+18	5,120795E+20
-2469	2,281871E+21	4,839087E+21	6,605432E+21	6,605541E+21	4,839416E+21	2,282139E+21	5,121860E+20	3,892953E+18	0,000000E+00	0,000000E+00	3,892134E+18	5,120915E+20
-2468	2,282123E+21	4,839583E+21	6,605793E+21	6,605677E+21	4,839283E+21	2,281895E+21	5,120157E+20	3,890766E+18	0,000000E+00	0,000000E+00	3,891711E+18	5,121530E+20
-2467	2,282114E+21	4,839494E+21	6,605677E+21	6,605715E+21	4,839578E+21	2,282137E+21	5,120999E+20	3,888019E+18	0,000000E+00	0,000000E+00	3,887085E+18	5,120024E+20
-2466	2,281928E+21	4,839500E+21	6,606057E+21	6,606113E+21	4,839751E+21	2,282161E+21	5,121009E+20	3,888591E+18	0,000000E+00	0,000000E+00	3,889209E+18	5,121044E+20
-2465	2,282254E+21	4,839864E+21	6,606173E+21	6,606104E+21	4,839643E+21	2,282002E+21	5,119686E+20	3,885672E+18	0,000000E+00	0,000000E+00	3,885847E+18	5,120835E+20
-2464	2,282139E+21	4,839691E+21	6,606050E+21	6,606239E+21	4,840028E+21	2,282304E+21	5,121117E+20	3,884746E+18	0,000000E+00	0,000000E+00	3,884445E+18	5,119748E+20
-2463	2,282114E+21	4,839980E+21	6,606472E+21	6,606387E+21	4,839898E+21	2,282151E+21	5,120347E+20	3,886818E+18	0,000000E+00	0,000000E+00	3,886752E+18	5,121128E+20
-2462	2,282322E+21	4,840072E+21	6,606360E+21	6,606191E+21	4,839752E+21	2,282077E+21	5,119894E+20	3,883643E+18	0,000000E+00	0,000000E+00	3,883568E+18	5,120142E+20
-2461	2,282030E+21	4,839653E+21	6,606230E+21	6,606374E+21	4,840007E+21	2,282283E+21	5,121302E+20	3,886856E+18	0,000000E+00	0,000000E+00	3,887090E+18	5,120141E+20

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°
-2460	2,282155E+21	4,839903E+21	6,606316E+21	6,606256E+21	4,839711E+21	2,282014E+21	5,119893E+20	3,887445E+18	0,000000E+00	0,000000E+00	3,888799E+18	5,121489E+20
-2459	2,282221E+21	4,839728E+21	6,605886E+21	6,605838E+21	4,839618E+21	2,282102E+21	5,120588E+20	3,886498E+18	0,000000E+00	0,000000E+00	3,888554E+18	5,120362E+20
-2458	2,281941E+21	4,839361E+21	6,605790E+21	6,605845E+21	4,839596E+21	2,282163E+21	5,121508E+20	3,891998E+18	0,000000E+00	0,000000E+00	3,892248E+18	5,121117E+20
-2457	2,282142E+21	4,839530E+21	6,605664E+21	6,605508E+21	4,839159E+21	2,281864E+21	5,120248E+20	3,891249E+18	0,000000E+00	0,000000E+00	3,893041E+18	5,121629E+20
-2456	2,282010E+21	4,839106E+21	6,605151E+21	6,605235E+21	4,839243E+21	2,282075E+21	5,121824E+20	3,894495E+18	0,000000E+00	0,000000E+00	3,893984E+18	5,120488E+20
-2455	2,281798E+21	4,838974E+21	6,605217E+21	6,605203E+21	4,839054E+21	2,281956E+21	5,121618E+20	3,897428E+18	0,000000E+00	0,000000E+00	3,897497E+18	5,122031E+20
-2454	2,282046E+21	4,839045E+21	6,604962E+21	6,604812E+21	4,838707E+21	2,281763E+21	5,120791E+20	3,895793E+18	0,000000E+00	0,000000E+00	3,897522E+18	5,121723E+20
-2453	2,281824E+21	4,838616E+21	6,604690E+21	6,604879E+21	4,838982E+21	2,282022E+21	5,122289E+20	3,898065E+18	0,000000E+00	0,000000E+00	3,897421E+18	5,121127E+20
-2452	2,281890E+21	4,838952E+21	6,604998E+21	6,604932E+21	4,838806E+21	2,281816E+21	5,121115E+20	3,897457E+18	0,000000E+00	0,000000E+00	3,899425E+18	5,122489E+20
-2451	2,282079E+21	4,839064E+21	6,604919E+21	6,604762E+21	4,838777E+21	2,281861E+21	5,121169E+20	3,895520E+18	0,000000E+00	0,000000E+00	3,895269E+18	5,121058E+20
-2450	2,281786E+21	4,838796E+21	6,605077E+21	6,605193E+21	4,839133E+21	2,282052E+21	5,122123E+20	3,896077E+18	0,000000E+00	0,000000E+00	3,894998E+18	5,121027E+20
-2449	2,281990E+21	4,839213E+21	6,605347E+21	6,605283E+21	4,839014E+21	2,281827E+21	5,120508E+20	3,894348E+18	0,000000E+00	0,000000E+00	3,894994E+18	5,121847E+20
-2448	2,282021E+21	4,839132E+21	6,605202E+21	6,605317E+21	4,839323E+21	2,282073E+21	5,121341E+20	3,891556E+18	0,000000E+00	0,000000E+00	3,890209E+18	5,120314E+20
-2447	2,281856E+21	4,839179E+21	6,605578E+21	6,605664E+21	4,839471E+21	2,282114E+21	5,121448E+20	3,892356E+18	0,000000E+00	0,000000E+00	3,892604E+18	5,121387E+20
-2446	2,282198E+21	4,839593E+21	6,605726E+21	6,605590E+21	4,839262E+21	2,281901E+21	5,120031E+20	3,889282E+18	0,000000E+00	0,000000E+00	3,889289E+18	5,121157E+20
-2445	2,282061E+21	4,839399E+21	6,605654E+21	6,605789E+21	4,839643E+21	2,282182E+21	5,121352E+20	3,888118E+18	0,000000E+00	0,000000E+00	3,888177E+18	5,120032E+20
-2444	2,282013E+21	4,839644E+21	6,606043E+21	6,605978E+21	4,839575E+21	2,282051E+21	5,120633E+20	3,890510E+18	0,000000E+00	0,000000E+00	3,891032E+18	5,121511E+20
-2443	2,282228E+21	4,839759E+21	6,605941E+21	6,605749E+21	4,839402E+21	2,281965E+21	5,120116E+20	3,887067E+18	0,000000E+00	0,000000E+00	3,888054E+18	5,120647E+20
-2442	2,281957E+21	4,839296E+21	6,605733E+21	6,605896E+21	4,839663E+21	2,282187E+21	5,121571E+20	3,890415E+18	0,000000E+00	0,000000E+00	3,891192E+18	5,120505E+20
-2441	2,282049E+21	4,839499E+21	6,605743E+21	6,605706E+21	4,839343E+21	2,281933E+21	5,120350E+20	3,891665E+18	0,000000E+00	0,000000E+00	3,893035E+18	5,121905E+20
-2440	2,282130E+21	4,839336E+21	6,605318E+21	6,605300E+21	4,839251E+21	2,282019E+21	5,121115E+20	3,891425E+18	0,000000E+00	0,000000E+00	3,892551E+18	5,120632E+20
-2439	2,281822E+21	4,838962E+21	6,605233E+21	6,605278E+21	4,839198E+21	2,282083E+21	5,122128E+20	3,897327E+18	0,000000E+00	0,000000E+00	3,896523E+18	5,121428E+20
-2438	2,282003E+21	4,839088E+21	6,605078E+21	6,604897E+21	4,838687E+21	2,281729E+21	5,120722E+20	3,896413E+18	0,000000E+00	0,000000E+00	3,897892E+18	5,122064E+20
-2437	2,281882E+21	4,838648E+21	6,604562E+21	6,604661E+21	4,838795E+21	2,281934E+21	5,122113E+20	3,898871E+18	0,000000E+00	0,000000E+00	3,898930E+18	5,121003E+20
-2436	2,281703E+21	4,838561E+21	6,604633E+21	6,604649E+21	4,838666E+21	2,281849E+21	5,121956E+20	3,901514E+18	0,000000E+00	0,000000E+00	3,902439E+18	5,122575E+20
-2435	2,281988E+21	4,838750E+21	6,604496E+21	6,604296E+21	4,838319E+21	2,281654E+21	5,121083E+20	3,899520E+18	0,000000E+00	0,000000E+00	3,901661E+18	5,122179E+20
-2434	2,281776E+21	4,838346E+21	6,604275E+21	6,604434E+21	4,838647E+21	2,281931E+21	5,122586E+20	3,901438E+18	0,000000E+00	0,000000E+00	3,900474E+18	5,121268E+20
-2433	2,281768E+21	4,838619E+21	6,604574E+21	6,604510E+21	4,838501E+21	2,281749E+21	5,121567E+20	3,901401E+18	0,000000E+00	0,000000E+00	3,902553E+18	5,122652E+20
-2432	2,281950E+21	4,838689E+21	6,604492E+21	6,604426E+21	4,838536E+21	2,281797E+21	5,121564E+20	3,899443E+18	0,000000E+00	0,000000E+00	3,898214E+18	5,121226E+20
-2431	2,281667E+21	4,838427E+21	6,604600E+21	6,604786E+21	4,838877E+21	2,282003E+21	5,122532E+20	3,899739E+18	0,000000E+00	0,000000E+00	3,898567E+18	5,121375E+20
-2430	2,281896E+21	4,838854E+21	6,604840E+21	6,604784E+21	4,838664E+21	2,281734E+21	5,120794E+20	3,897687E+18	0,000000E+00	0,000000E+00	3,898654E+18	5,122295E+20
-2429	2,281969E+21	4,838836E+21	6,604750E+21	6,604849E+21	4,838966E+21	2,281964E+21	5,121498E+20	3,894212E+18	0,000000E+00	0,000000E+00	3,893789E+18	5,120727E+20
-2428	2,281819E+21	4,838945E+21	6,605167E+21	6,605213E+21	4,839142E+21	2,282025E+21	5,121724E+20	3,895553E+18	0,000000E+00	0,000000E+00	3,896245E+18	5,121726E+20
-2427	2,282145E+21	4,839404E+21	6,605418E+21	6,605190E+21	4,838914E+21	2,281792E+21	5,120276E+20	3,892477E+18	0,000000E+00	0,000000E+00	3,892711E+18	5,121486E+20
-2426	2,281987E+21	4,839120E+21	6,605293E+21	6,605433E+21	4,839339E+21	2,282076E+21	5,121572E+20	3,891474E+18	0,000000E+00	0,000000E+00	3,891616E+18	5,120248E+20
-2425	2,281880E+21	4,839251E+21	6,605556E+21	6,605548E+21	4,839281E+21	2,281978E+21	5,121021E+20	3,894451E+18	0,000000E+00	0,000000E+00	3,895004E+18	5,121894E+20

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	2,282123E+21	4,839350E+21	6,605406E+21	6,605305E+21	4,839106E+21	2,281895E+21	5,120555E+20	3,891378E+18	0,000000E+00	0,000000E+00	3,892053E+18	5,121003E+20
-2423	2,281865E+21	4,838914E+21	6,605154E+21	6,605347E+21	4,839315E+21	2,282129E+21	5,122144E+20	3,895234E+18	0,000000E+00	0,000000E+00	3,895389E+18	5,120872E+20
-2422	2,281939E+21	4,839107E+21	6,605162E+21	6,605077E+21	4,838886E+21	2,281821E+21	5,120859E+20	3,896524E+18	0,000000E+00	0,000000E+00	3,897349E+18	5,122248E+20
-2421	2,282008E+21	4,838924E+21	6,604767E+21	6,604714E+21	4,838779E+21	2,281879E+21	5,121489E+20	3,896066E+18	0,000000E+00	0,000000E+00	3,897250E+18	5,121007E+20
-2420	2,281693E+21	4,838532E+21	6,604654E+21	6,604722E+21	4,838779E+21	2,281956E+21	5,122504E+20	3,901941E+18	0,000000E+00	0,000000E+00	3,901578E+18	5,121916E+20
-2419	2,281900E+21	4,838717E+21	6,604550E+21	6,604346E+21	4,838262E+21	2,281594E+21	5,120995E+20	3,900482E+18	0,000000E+00	0,000000E+00	3,902977E+18	5,122667E+20
-2418	2,281814E+21	4,838279E+21	6,604034E+21	6,604147E+21	4,838412E+21	2,281815E+21	5,122347E+20	3,902573E+18	0,000000E+00	0,000000E+00	3,903122E+18	5,121411E+20
-2417	2,281610E+21	4,838191E+21	6,604103E+21	6,604139E+21	4,838320E+21	2,281769E+21	5,122381E+20	3,905519E+18	0,000000E+00	0,000000E+00	3,906445E+18	5,122958E+20
-2416	2,281906E+21	4,838410E+21	6,604022E+21	6,603853E+21	4,838011E+21	2,281587E+21	5,121576E+20	3,904054E+18	0,000000E+00	0,000000E+00	3,904979E+18	5,122352E+20
-2415	2,281660E+21	4,838004E+21	6,603816E+21	6,603988E+21	4,838341E+21	2,281877E+21	5,123137E+20	3,905915E+18	0,000000E+00	0,000000E+00	3,903917E+18	5,121478E+20
-2414	2,281624E+21	4,838217E+21	6,604074E+21	6,604028E+21	4,838142E+21	2,281647E+21	5,121949E+20	3,905539E+18	0,000000E+00	0,000000E+00	3,906374E+18	5,122984E+20
-2413	2,281836E+21	4,838291E+21	6,603971E+21	6,603938E+21	4,838181E+21	2,281687E+21	5,121761E+20	3,902616E+18	0,000000E+00	0,000000E+00	3,902146E+18	5,121685E+20
-2412	2,281604E+21	4,838102E+21	6,604094E+21	6,604299E+21	4,838550E+21	2,281911E+21	5,122759E+20	3,902688E+18	0,000000E+00	0,000000E+00	3,902542E+18	5,121864E+20
-2411	2,281872E+21	4,838658E+21	6,604458E+21	6,604330E+21	4,838316E+21	2,281629E+21	5,120976E+20	3,900437E+18	0,000000E+00	0,000000E+00	3,901950E+18	5,122703E+20
-2410	2,281945E+21	4,838654E+21	6,604435E+21	6,604469E+21	4,838654E+21	2,281861E+21	5,121667E+20	3,896962E+18	0,000000E+00	0,000000E+00	3,896379E+18	5,120849E+20
-2409	2,281718E+21	4,838678E+21	6,604832E+21	6,604866E+21	4,838869E+21	2,281950E+21	5,122084E+20	3,899117E+18	0,000000E+00	0,000000E+00	3,899258E+18	5,121901E+20
-2408	2,282028E+21	4,839061E+21	6,605034E+21	6,604892E+21	4,838691E+21	2,281730E+21	5,120672E+20	3,896427E+18	0,000000E+00	0,000000E+00	3,895815E+18	5,121666E+20
-2407	2,281866E+21	4,838753E+21	6,604816E+21	6,605024E+21	4,839085E+21	2,282033E+21	5,122056E+20	3,895664E+18	0,000000E+00	0,000000E+00	3,895598E+18	5,120620E+20
-2406	2,281758E+21	4,838831E+21	6,604988E+21	6,605009E+21	4,838912E+21	2,281889E+21	5,121449E+20	3,898639E+18	0,000000E+00	0,000000E+00	3,899225E+18	5,122320E+20
-2405	2,282030E+21	4,838955E+21	6,604827E+21	6,604724E+21	4,838697E+21	2,281788E+21	5,120905E+20	3,895354E+18	0,000000E+00	0,000000E+00	3,896652E+18	5,121467E+20
-2404	2,281784E+21	4,838560E+21	6,604585E+21	6,604741E+21	4,838885E+21	2,282020E+21	5,122580E+20	3,899838E+18	0,000000E+00	0,000000E+00	3,900111E+18	5,121306E+20
-2403	2,281842E+21	4,838775E+21	6,604665E+21	6,604507E+21	4,838422E+21	2,281677E+21	5,121208E+20	3,900937E+18	0,000000E+00	0,000000E+00	3,902106E+18	5,122724E+20
-2402	2,281909E+21	4,838536E+21	6,604243E+21	6,604189E+21	4,838356E+21	2,281730E+21	5,121739E+20	3,900422E+18	0,000000E+00	0,000000E+00	3,901819E+18	5,121402E+20
-2401	2,281564E+21	4,838086E+21	6,604057E+21	6,604164E+21	4,838390E+21	2,281847E+21	5,122889E+20	3,906416E+18	0,000000E+00	0,000000E+00	3,906253E+18	5,122414E+20
-2400	2,281802E+21	4,838292E+21	6,603979E+21	6,603848E+21	4,837921E+21	2,281511E+21	5,121467E+20	3,905178E+18	0,000000E+00	0,000000E+00	3,907229E+18	5,123046E+20
-2399	2,281728E+21	4,837927E+21	6,603498E+21	6,603617E+21	4,838066E+21	2,281753E+21	5,122897E+20	3,907319E+18	0,000000E+00	0,000000E+00	3,907169E+18	5,121748E+20
-2398	2,281491E+21	4,837811E+21	6,603578E+21	6,603583E+21	4,837914E+21	2,281673E+21	5,122873E+20	3,910069E+18	0,000000E+00	0,000000E+00	3,910262E+18	5,123203E+20
-2397	2,281779E+21	4,838022E+21	6,603532E+21	6,603362E+21	4,837636E+21	2,281479E+21	5,121904E+20	3,908057E+18	0,000000E+00	0,000000E+00	3,909028E+18	5,122665E+20
-2396	2,281544E+21	4,837628E+21	6,603303E+21	6,603505E+21	4,838005E+21	2,281780E+21	5,123432E+20	3,909485E+18	0,000000E+00	0,000000E+00	3,908050E+18	5,121900E+20
-2395	2,281541E+21	4,837906E+21	6,603616E+21	6,603552E+21	4,837791E+21	2,281536E+21	5,122118E+20	3,908485E+18	0,000000E+00	0,000000E+00	3,910286E+18	5,123482E+20
-2394	2,281796E+21	4,838015E+21	6,603548E+21	6,603511E+21	4,837861E+21	2,281578E+21	5,121864E+20	3,905118E+18	0,000000E+00	0,000000E+00	3,905161E+18	5,122008E+20
-2393	2,281546E+21	4,837844E+21	6,603692E+21	6,603883E+21	4,838263E+21	2,281837E+21	5,123050E+20	3,905628E+18	0,000000E+00	0,000000E+00	3,905527E+18	5,122151E+20
-2392	2,281813E+21	4,838416E+21	6,604133E+21	6,604004E+21	4,838072E+21	2,281574E+21	5,121402E+20	3,904203E+18	0,000000E+00	0,000000E+00	3,904413E+18	5,122803E+20
-2391	2,281847E+21	4,838393E+21	6,604103E+21	6,604133E+21	4,838406E+21	2,281812E+21	5,122141E+20	3,900994E+18	0,000000E+00	0,000000E+00	3,899537E+18	5,121039E+20
-2390	2,281580E+21	4,838300E+21	6,604383E+21	6,604449E+21	4,838564E+21	2,281865E+21	5,122464E+20	3,903198E+18	0,000000E+00	0,000000E+00	3,902964E+18	5,122202E+20
-2389	2,281910E+21	4,838658E+21	6,604511E+21	6,604409E+21	4,838365E+21	2,281639E+21	5,120943E+20	3,899999E+18	0,000000E+00	0,000000E+00	3,900134E+18	5,122128E+20

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	2,281786E+21	4,838387E+21	6,604252E+21	6,604473E+21	4,838725E+21	2,281944E+21	5,122406E+20	3,899489E+18	0,000000E+00	0,000000E+00	3,900231E+18	5,121153E+20
-2387	2,281703E+21	4,838533E+21	6,604483E+21	6,604443E+21	4,838496E+21	2,281771E+21	5,121749E+20	3,902345E+18	0,000000E+00	0,000000E+00	3,903493E+18	5,122784E+20
-2386	2,281964E+21	4,838643E+21	6,604349E+21	6,604192E+21	4,838280E+21	2,281655E+21	5,121176E+20	3,899228E+18	0,000000E+00	0,000000E+00	3,900520E+18	5,121741E+20
-2385	2,281657E+21	4,838174E+21	6,604083E+21	6,604228E+21	4,838492E+21	2,281904E+21	5,122971E+20	3,904319E+18	0,000000E+00	0,000000E+00	3,904399E+18	5,121674E+20
-2384	2,281718E+21	4,838345E+21	6,604139E+21	6,604035E+21	4,838072E+21	2,281578E+21	5,121653E+20	3,905684E+18	0,000000E+00	0,000000E+00	3,906375E+18	5,123067E+20
-2383	2,281789E+21	4,838118E+21	6,603677E+21	6,603652E+21	4,837997E+21	2,281651E+21	5,122229E+20	3,905314E+18	0,000000E+00	0,000000E+00	3,906567E+18	5,121870E+20
-2382	2,281446E+21	4,837642E+21	6,603448E+21	6,603568E+21	4,837973E+21	2,281739E+21	5,123320E+20	3,911009E+18	0,000000E+00	0,000000E+00	3,910793E+18	5,122862E+20
-2381	2,281712E+21	4,837896E+21	6,603390E+21	6,603250E+21	4,837515E+21	2,281411E+21	5,121878E+20	3,909593E+18	0,000000E+00	0,000000E+00	3,911915E+18	5,123456E+20
-2380	2,281633E+21	4,837573E+21	6,602965E+21	6,603046E+21	4,837666E+21	2,281660E+21	5,123373E+20	3,911925E+18	0,000000E+00	0,000000E+00	3,911560E+18	5,122135E+20
-2379	2,281385E+21	4,837466E+21	6,603113E+21	6,603075E+21	4,837506E+21	2,281547E+21	5,123208E+20	3,914114E+18	0,000000E+00	0,000000E+00	3,914478E+18	5,123577E+20
-2378	2,281671E+21	4,837641E+21	6,603042E+21	6,602895E+21	4,837278E+21	2,281355E+21	5,122097E+20	3,911618E+18	0,000000E+00	0,000000E+00	3,912775E+18	5,122993E+20
-2377	2,281432E+21	4,837245E+21	6,602788E+21	6,603017E+21	4,837678E+21	2,281690E+21	5,123710E+20	3,912810E+18	0,000000E+00	0,000000E+00	3,911717E+18	5,122323E+20
-2376	2,281476E+21	4,837573E+21	6,603162E+21	6,603135E+21	4,837511E+21	2,281472E+21	5,122491E+20	3,912130E+18	0,000000E+00	0,000000E+00	3,913252E+18	5,123733E+20
-2375	2,281738E+21	4,837770E+21	6,603165E+21	6,603102E+21	4,837589E+21	2,281529E+21	5,122299E+20	3,908830E+18	0,000000E+00	0,000000E+00	3,908052E+18	5,122221E+20
-2374	2,281451E+21	4,837558E+21	6,603317E+21	6,603468E+21	4,837943E+21	2,281753E+21	5,123426E+20	3,909358E+18	0,000000E+00	0,000000E+00	3,908501E+18	5,122317E+20
-2373	2,281706E+21	4,838095E+21	6,603745E+21	6,603623E+21	4,837789E+21	2,281493E+21	5,121699E+20	3,907730E+18	0,000000E+00	0,000000E+00	3,907964E+18	5,123071E+20
-2372	2,281743E+21	4,838060E+21	6,603666E+21	6,603720E+21	4,838123E+21	2,281733E+21	5,122423E+20	3,904322E+18	0,000000E+00	0,000000E+00	3,903685E+18	5,121498E+20
-2371	2,281505E+21	4,837981E+21	6,603931E+21	6,603989E+21	4,838228E+21	2,281764E+21	5,122654E+20	3,906183E+18	0,000000E+00	0,000000E+00	3,907082E+18	5,122696E+20
-2370	2,281857E+21	4,838347E+21	6,604045E+21	6,603939E+21	4,838022E+21	2,281529E+21	5,121094E+20	3,902869E+18	0,000000E+00	0,000000E+00	3,903791E+18	5,122509E+20
-2369	2,281718E+21	4,838077E+21	6,603761E+21	6,603942E+21	4,838365E+21	2,281856E+21	5,122764E+20	3,903197E+18	0,000000E+00	0,000000E+00	3,904045E+18	5,121512E+20
-2368	2,281618E+21	4,838195E+21	6,604034E+21	6,603978E+21	4,838151E+21	2,281692E+21	5,122254E+20	3,906954E+18	0,000000E+00	0,000000E+00	3,906891E+18	5,122972E+20
-2367	2,281843E+21	4,838280E+21	6,603882E+21	6,603714E+21	4,837921E+21	2,281566E+21	5,121698E+20	3,904214E+18	0,000000E+00	0,000000E+00	3,904840E+18	5,122073E+20
-2366	2,281506E+21	4,837700E+21	6,603494E+21	6,603660E+21	4,838074E+21	2,281781E+21	5,123379E+20	3,909252E+18	0,000000E+00	0,000000E+00	3,909056E+18	5,122106E+20
-2365	2,281598E+21	4,837881E+21	6,603512E+21	6,603430E+21	4,837665E+21	2,281470E+21	5,122026E+20	3,910154E+18	0,000000E+00	0,000000E+00	3,911553E+18	5,123602E+20
-2364	2,281703E+21	4,837719E+21	6,603073E+21	6,603031E+21	4,837573E+21	2,281547E+21	5,122664E+20	3,910013E+18	0,000000E+00	0,000000E+00	3,911687E+18	5,122425E+20
-2363	2,281378E+21	4,837309E+21	6,602918E+21	6,602972E+21	4,837531E+21	2,281618E+21	5,123687E+20	3,915251E+18	0,000000E+00	0,000000E+00	3,915266E+18	5,123264E+20
-2362	2,281619E+21	4,837549E+21	6,602911E+21	6,602731E+21	4,837108E+21	2,281286E+21	5,122193E+20	3,913748E+18	0,000000E+00	0,000000E+00	3,915919E+18	5,123698E+20
-2361	2,281493E+21	4,837165E+21	6,602461E+21	6,602554E+21	4,837308E+21	2,281561E+21	5,123755E+20	3,916115E+18	0,000000E+00	0,000000E+00	3,915572E+18	5,122486E+20
-2360	2,281261E+21	4,837034E+21	6,602610E+21	6,602643E+21	4,837204E+21	2,281471E+21	5,123616E+20	3,918226E+18	0,000000E+00	0,000000E+00	3,918123E+18	5,123862E+20
-2359	2,281566E+21	4,837266E+21	6,602544E+21	6,602426E+21	4,836970E+21	2,281289E+21	5,122500E+20	3,915521E+18	0,000000E+00	0,000000E+00	3,916609E+18	5,123396E+20
-2358	2,281344E+21	4,836879E+21	6,602277E+21	6,602508E+21	4,837320E+21	2,281594E+21	5,124020E+20	3,916315E+18	0,000000E+00	0,000000E+00	3,915164E+18	5,122687E+20
-2357	2,281422E+21	4,837289E+21	6,602710E+21	6,602644E+21	4,837182E+21	2,281395E+21	5,122817E+20	3,915649E+18	0,000000E+00	0,000000E+00	3,916843E+18	5,124038E+20
-2356	2,281672E+21	4,837522E+21	6,602796E+21	6,602671E+21	4,837265E+21	2,281448E+21	5,122661E+20	3,912492E+18	0,000000E+00	0,000000E+00	3,911610E+18	5,122554E+20
-2355	2,281380E+21	4,837301E+21	6,602972E+21	6,603086E+21	4,837620E+21	2,281643E+21	5,123638E+20	3,912558E+18	0,000000E+00	0,000000E+00	3,912163E+18	5,122658E+20
-2354	2,281623E+21	4,837776E+21	6,603333E+21	6,603240E+21	4,837500E+21	2,281389E+21	5,121831E+20	3,910620E+18	0,000000E+00	0,000000E+00	3,911328E+18	5,123369E+20
-2353	2,281649E+21	4,837715E+21	6,603205E+21	6,603279E+21	4,837833E+21	2,281660E+21	5,122682E+20	3,907279E+18	0,000000E+00	0,000000E+00	3,907346E+18	5,121929E+20

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	2,281444E+21	4,837650E+21	6,603482E+21	6,603564E+21	4,837938E+21	2,281704E+21	5,123060E+20	3,909910E+18	0,000000E+00	0,000000E+00	3,910156E+18	5,122908E+20
-2351	2,281773E+21	4,838051E+21	6,603611E+21	6,603468E+21	4,837700E+21	2,281469E+21	5,121592E+20	3,907044E+18	0,000000E+00	0,000000E+00	3,907200E+18	5,122728E+20
-2350	2,281592E+21	4,837704E+21	6,603285E+21	6,603427E+21	4,837966E+21	2,281748E+21	5,123197E+20	3,907777E+18	0,000000E+00	0,000000E+00	3,907830E+18	5,121752E+20
-2349	2,281493E+21	4,837785E+21	6,603500E+21	6,603446E+21	4,837771E+21	2,281589E+21	5,122657E+20	3,911546E+18	0,000000E+00	0,000000E+00	3,911405E+18	5,123329E+20
-2348	2,281720E+21	4,837856E+21	6,603315E+21	6,603157E+21	4,837527E+21	2,281460E+21	5,122100E+20	3,908835E+18	0,000000E+00	0,000000E+00	3,910024E+18	5,122640E+20
-2347	2,281422E+21	4,837305E+21	6,602931E+21	6,603081E+21	4,837638E+21	2,281647E+21	5,123652E+20	3,913351E+18	0,000000E+00	0,000000E+00	3,914085E+18	5,122674E+20
-2346	2,281526E+21	4,837498E+21	6,602951E+21	6,602865E+21	4,837251E+21	2,281343E+21	5,122303E+20	3,914034E+18	0,000000E+00	0,000000E+00	3,916125E+18	5,124022E+20
-2345	2,281608E+21	4,837348E+21	6,602536E+21	6,602460E+21	4,837174E+21	2,281454E+21	5,123111E+20	3,914527E+18	0,000000E+00	0,000000E+00	3,916201E+18	5,122841E+20
-2344	2,281271E+21	4,836914E+21	6,602432E+21	6,602488E+21	4,837165E+21	2,281536E+21	5,124236E+20	3,920189E+18	0,000000E+00	0,000000E+00	3,919076E+18	5,123458E+20
-2343	2,281475E+21	4,837134E+21	6,602404E+21	6,602246E+21	4,836760E+21	2,281205E+21	5,122721E+20	3,918715E+18	0,000000E+00	0,000000E+00	3,920304E+18	5,124028E+20
-2342	2,281342E+21	4,836680E+21	6,601852E+21	6,601985E+21	4,836907E+21	2,281449E+21	5,124131E+20	3,920590E+18	0,000000E+00	0,000000E+00	3,919786E+18	5,122914E+20
-2341	2,281166E+21	4,836610E+21	6,601997E+21	6,602055E+21	4,836827E+21	2,281379E+21	5,123954E+20	3,922121E+18	0,000000E+00	0,000000E+00	3,922516E+18	5,124321E+20
-2340	2,281506E+21	4,836943E+21	6,602029E+21	6,601885E+21	4,836596E+21	2,281198E+21	5,122860E+20	3,919351E+18	0,000000E+00	0,000000E+00	3,920654E+18	5,123873E+20
-2339	2,281311E+21	4,836644E+21	6,601881E+21	6,602036E+21	4,836942E+21	2,281477E+21	5,124239E+20	3,919463E+18	0,000000E+00	0,000000E+00	3,918587E+18	5,123002E+20
-2338	2,281362E+21	4,837051E+21	6,602386E+21	6,602281E+21	4,836869E+21	2,281286E+21	5,123010E+20	3,918669E+18	0,000000E+00	0,000000E+00	3,919890E+18	5,124216E+20
-2337	2,281569E+21	4,837231E+21	6,602450E+21	6,602332E+21	4,837006E+21	2,281371E+21	5,122910E+20	3,915511E+18	0,000000E+00	0,000000E+00	3,914802E+18	5,122843E+20
-2336	2,281284E+21	4,836969E+21	6,602598E+21	6,602771E+21	4,837399E+21	2,281594E+21	5,123970E+20	3,915823E+18	0,000000E+00	0,000000E+00	3,915035E+18	5,122840E+20
-2335	2,281526E+21	4,837459E+21	6,602925E+21	6,602867E+21	4,837256E+21	2,281344E+21	5,122205E+20	3,913976E+18	0,000000E+00	0,000000E+00	3,914590E+18	5,123655E+20
-2334	2,281552E+21	4,837355E+21	6,602704E+21	6,602790E+21	4,837495E+21	2,281578E+21	5,123043E+20	3,910824E+18	0,000000E+00	0,000000E+00	3,910681E+18	5,122234E+20
-2333	2,281372E+21	4,837324E+21	6,602975E+21	6,603032E+21	4,837590E+21	2,281633E+21	5,123491E+20	3,914030E+18	0,000000E+00	0,000000E+00	3,913945E+18	5,123179E+20
-2332	2,281673E+21	4,837719E+21	6,603150E+21	6,602959E+21	4,837312E+21	2,281373E+21	5,122061E+20	3,911560E+18	0,000000E+00	0,000000E+00	3,911542E+18	5,123142E+20
-2331	2,281499E+21	4,837345E+21	6,602799E+21	6,602918E+21	4,837542E+21	2,281602E+21	5,123450E+20	3,911969E+18	0,000000E+00	0,000000E+00	3,912596E+18	5,122226E+20
-2330	2,281397E+21	4,837388E+21	6,602960E+21	6,602922E+21	4,837368E+21	2,281448E+21	5,122861E+20	3,915361E+18	0,000000E+00	0,000000E+00	3,916059E+18	5,123798E+20
-2329	2,281624E+21	4,837454E+21	6,602750E+21	6,602598E+21	4,837134E+21	2,281353E+21	5,122427E+20	3,912879E+18	0,000000E+00	0,000000E+00	3,914950E+18	5,123198E+20
-2328	2,281349E+21	4,836930E+21	6,602409E+21	6,602566E+21	4,837271E+21	2,281566E+21	5,124133E+20	3,917993E+18	0,000000E+00	0,000000E+00	3,918109E+18	5,122971E+20
-2327	2,281421E+21	4,837141E+21	6,602454E+21	6,602344E+21	4,836883E+21	2,281271E+21	5,122881E+20	3,918955E+18	0,000000E+00	0,000000E+00	3,920397E+18	5,124283E+20
-2326	2,281455E+21	4,836892E+21	6,601975E+21	6,601905E+21	4,836753E+21	2,281346E+21	5,123622E+20	3,919664E+18	0,000000E+00	0,000000E+00	3,920554E+18	5,123161E+20
-2325	2,281135E+21	4,836445E+21	6,601807E+21	6,601910E+21	4,836780E+21	2,281442E+21	5,124682E+20	3,924933E+18	0,000000E+00	0,000000E+00	3,923818E+18	5,123846E+20
-2324	2,281344E+21	4,836684E+21	6,601796E+21	6,601659E+21	4,836355E+21	2,281104E+21	5,123133E+20	3,923206E+18	0,000000E+00	0,000000E+00	3,925272E+18	5,124610E+20
-2323	2,281277E+21	4,836312E+21	6,601297E+21	6,601410E+21	4,836470E+21	2,281310E+21	5,124326E+20	3,924115E+18	0,000000E+00	0,000000E+00	3,924169E+18	5,123452E+20
-2322	2,281127E+21	4,836314E+21	6,601505E+21	6,601534E+21	4,836434E+21	2,281253E+21	5,124156E+20	3,925258E+18	0,000000E+00	0,000000E+00	3,926148E+18	5,124650E+20
-2321	2,281442E+21	4,836685E+21	6,601632E+21	6,601439E+21	4,836266E+21	2,281115E+21	5,123203E+20	3,922903E+18	0,000000E+00	0,000000E+00	3,923953E+18	5,124166E+20
-2320	2,281232E+21	4,836382E+21	6,601583E+21	6,601723E+21	4,836672E+21	2,281409E+21	5,124645E+20	3,923263E+18	0,000000E+00	0,000000E+00	3,921277E+18	5,123090E+20
-2319	2,281241E+21	4,836738E+21	6,602034E+21	6,601969E+21	4,836640E+21	2,281236E+21	5,123430E+20	3,922512E+18	0,000000E+00	0,000000E+00	3,923112E+18	5,124395E+20
-2318	2,281428E+21	4,836825E+21	6,601971E+21	6,601922E+21	4,836722E+21	2,281298E+21	5,123233E+20	3,919013E+18	0,000000E+00	0,000000E+00	3,918085E+18	5,123164E+20
-2317	2,281203E+21	4,836606E+21	6,602057E+21	6,602277E+21	4,837105E+21	2,281536E+21	5,124324E+20	3,919358E+18	0,000000E+00	0,000000E+00	3,918731E+18	5,123161E+20

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	2,281445E+21	4,837138E+21	6,602436E+21	6,602366E+21	4,836917E+21	2,281272E+21	5,122614E+20	3,917794E+18	0,000000E+00	0,000000E+00	3,918322E+18	5,124046E+20
-2315	2,281497E+21	4,837081E+21	6,602270E+21	6,602293E+21	4,837092E+21	2,281452E+21	5,123297E+20	3,914356E+18	0,000000E+00	0,000000E+00	3,914485E+18	5,122581E+20
-2314	2,281293E+21	4,837022E+21	6,602547E+21	6,602578E+21	4,837206E+21	2,281498E+21	5,123718E+20	3,917590E+18	0,000000E+00	0,000000E+00	3,917801E+18	5,123480E+20
-2313	2,281563E+21	4,837365E+21	6,602688E+21	6,602510E+21	4,836970E+21	2,281268E+21	5,122344E+20	3,915197E+18	0,000000E+00	0,000000E+00	3,915954E+18	5,123622E+20
-2312	2,281408E+21	4,836976E+21	6,602337E+21	6,602483E+21	4,837214E+21	2,281512E+21	5,123783E+20	3,915987E+18	0,000000E+00	0,000000E+00	3,916710E+18	5,122611E+20
-2311	2,281305E+21	4,837026E+21	6,602461E+21	6,602446E+21	4,837035E+21	2,281373E+21	5,123287E+20	3,919504E+18	0,000000E+00	0,000000E+00	3,920401E+18	5,124192E+20
-2310	2,281516E+21	4,837039E+21	6,602166E+21	6,602029E+21	4,836733E+21	2,281257E+21	5,122893E+20	3,917513E+18	0,000000E+00	0,000000E+00	3,919375E+18	5,123589E+20
-2309	2,281256E+21	4,836539E+21	6,601808E+21	6,601956E+21	4,836873E+21	2,281489E+21	5,124703E+20	3,923220E+18	0,000000E+00	0,000000E+00	3,922659E+18	5,123277E+20
-2308	2,281277E+21	4,836714E+21	6,601895E+21	6,601775E+21	4,836457E+21	2,281171E+21	5,123468E+20	3,924365E+18	0,000000E+00	0,000000E+00	3,925387E+18	5,124730E+20
-2307	2,281334E+21	4,836438E+21	6,601367E+21	6,601311E+21	4,836292E+21	2,281198E+21	5,123956E+20	3,924393E+18	0,000000E+00	0,000000E+00	3,925595E+18	5,123678E+20
-2306	2,281033E+21	4,836009E+21	6,601184E+21	6,601312E+21	4,836338E+21	2,281297E+21	5,124918E+20	3,928760E+18	0,000000E+00	0,000000E+00	3,928416E+18	5,124333E+20
-2305	2,281258E+21	4,836305E+21	6,601227E+21	6,601082E+21	4,835949E+21	2,280994E+21	5,123442E+20	3,927016E+18	0,000000E+00	0,000000E+00	3,929648E+18	5,125113E+20
-2304	2,281219E+21	4,836014E+21	6,600860E+21	6,600941E+21	4,836119E+21	2,281221E+21	5,124696E+20	3,928061E+18	0,000000E+00	0,000000E+00	3,927300E+18	5,123665E+20
-2303	2,281042E+21	4,836057E+21	6,601154E+21	6,601147E+21	4,836136E+21	2,281184E+21	5,124599E+20	3,929239E+18	0,000000E+00	0,000000E+00	3,929346E+18	5,124787E+20
-2302	2,281307E+21	4,836325E+21	6,601220E+21	6,601058E+21	4,835966E+21	2,281033E+21	5,123604E+20	3,927007E+18	0,000000E+00	0,000000E+00	3,927097E+18	5,124360E+20
-2301	2,281116E+21	4,836016E+21	6,601102E+21	6,601316E+21	4,836424E+21	2,281354E+21	5,125018E+20	3,926991E+18	0,000000E+00	0,000000E+00	3,924875E+18	5,123350E+20
-2300	2,281118E+21	4,836368E+21	6,601561E+21	6,601539E+21	4,836355E+21	2,281174E+21	5,123801E+20	3,926108E+18	0,000000E+00	0,000000E+00	3,927017E+18	5,124835E+20
-2299	2,281365E+21	4,836497E+21	6,601485E+21	6,601445E+21	4,836369E+21	2,281186E+21	5,123395E+20	3,921815E+18	0,000000E+00	0,000000E+00	3,921819E+18	5,123628E+20
-2298	2,281167E+21	4,836340E+21	6,601588E+21	6,601787E+21	4,836745E+21	2,281421E+21	5,124496E+20	3,922085E+18	0,000000E+00	0,000000E+00	3,922259E+18	5,123503E+20
-2297	2,281379E+21	4,836883E+21	6,602031E+21	6,601908E+21	4,836574E+21	2,281179E+21	5,122917E+20	3,921118E+18	0,000000E+00	0,000000E+00	3,921909E+18	5,124408E+20
-2296	2,281420E+21	4,836811E+21	6,601930E+21	6,601923E+21	4,836774E+21	2,281355E+21	5,123634E+20	3,918267E+18	0,000000E+00	0,000000E+00	3,917880E+18	5,122826E+20
-2295	2,281187E+21	4,836698E+21	6,602136E+21	6,602189E+21	4,836908E+21	2,281411E+21	5,124084E+20	3,921678E+18	0,000000E+00	0,000000E+00	3,921760E+18	5,123799E+20
-2294	2,281433E+21	4,836937E+21	6,602135E+21	6,602010E+21	4,836620E+21	2,281174E+21	5,122726E+20	3,919358E+18	0,000000E+00	0,000000E+00	3,920146E+18	5,124060E+20
-2293	2,281328E+21	4,836587E+21	6,601733E+21	6,601914E+21	4,836858E+21	2,281439E+21	5,124249E+20	3,920622E+18	0,000000E+00	0,000000E+00	3,921203E+18	5,122997E+20
-2292	2,281196E+21	4,836641E+21	6,601902E+21	6,601871E+21	4,836640E+21	2,281294E+21	5,123862E+20	3,924483E+18	0,000000E+00	0,000000E+00	3,924938E+18	5,124595E+20
-2291	2,281416E+21	4,836659E+21	6,601624E+21	6,601449E+21	4,836278E+21	2,281125E+21	5,123307E+20	3,922329E+18	0,000000E+00	0,000000E+00	3,924164E+18	5,123987E+20
-2290	2,281139E+21	4,836129E+21	6,601231E+21	6,601380E+21	4,836425E+21	2,281347E+21	5,125057E+20	3,927785E+18	0,000000E+00	0,000000E+00	3,927295E+18	5,123645E+20
-2289	2,281131E+21	4,836255E+21	6,601294E+21	6,601208E+21	4,836053E+21	2,281056E+21	5,123837E+20	3,928745E+18	0,000000E+00	0,000000E+00	3,930329E+18	5,125240E+20
-2288	2,281226E+21	4,836023E+21	6,600826E+21	6,600781E+21	4,835896E+21	2,281085E+21	5,124305E+20	3,928757E+18	0,000000E+00	0,000000E+00	3,929877E+18	5,124105E+20
-2287	2,280944E+21	4,835641E+21	6,600657E+21	6,600790E+21	4,835965E+21	2,281198E+21	5,125301E+20	3,932806E+18	0,000000E+00	0,000000E+00	3,932452E+18	5,124690E+20
-2286	2,281155E+21	4,835924E+21	6,600684E+21	6,600542E+21	4,835572E+21	2,280902E+21	5,123884E+20	3,931391E+18	0,000000E+00	0,000000E+00	3,933435E+18	5,125440E+20
-2285	2,281138E+21	4,835698E+21	6,600373E+21	6,600442E+21	4,835785E+21	2,281152E+21	5,125183E+20	3,932644E+18	0,000000E+00	0,000000E+00	3,931011E+18	5,123889E+20
-2284	2,280912E+21	4,835705E+21	6,600726E+21	6,600724E+21	4,835818E+21	2,281108E+21	5,125082E+20	3,933715E+18	0,000000E+00	0,000000E+00	3,933391E+18	5,125141E+20
-2283	2,281205E+21	4,835950E+21	6,600737E+21	6,600617E+21	4,835631E+21	2,280918E+21	5,123816E+20	3,930588E+18	0,000000E+00	0,000000E+00	3,931150E+18	5,124798E+20
-2282	2,281042E+21	4,835676E+21	6,600591E+21	6,600836E+21	4,836084E+21	2,281241E+21	5,125154E+20	3,929595E+18	0,000000E+00	0,000000E+00	3,928637E+18	5,123778E+20
-2281	2,281051E+21	4,836062E+21	6,601092E+21	6,601073E+21	4,836041E+21	2,281090E+21	5,124025E+20	3,928870E+18	0,000000E+00	0,000000E+00	3,930533E+18	5,125241E+20

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	2,281317E+21	4,836268E+21	6,601134E+21	6,601042E+21	4,836063E+21	2,281105E+21	5,123679E+20	3,924907E+18	0,000000E+00	0,000000E+00	3,924511E+18	5,123838E+20
-2279	2,281097E+21	4,836120E+21	6,601273E+21	6,601422E+21	4,836455E+21	2,281344E+21	5,124846E+20	3,925552E+18	0,000000E+00	0,000000E+00	3,925290E+18	5,123663E+20
-2278	2,281255E+21	4,836538E+21	6,601613E+21	6,601511E+21	4,836273E+21	2,281095E+21	5,123295E+20	3,925024E+18	0,000000E+00	0,000000E+00	3,925219E+18	5,124679E+20
-2277	2,281320E+21	4,836459E+21	6,601434E+21	6,601477E+21	4,836494E+21	2,281288E+21	5,124016E+20	3,922424E+18	0,000000E+00	0,000000E+00	3,921894E+18	5,123161E+20
-2276	2,281072E+21	4,836320E+21	6,601639E+21	6,601714E+21	4,836581E+21	2,281335E+21	5,124512E+20	3,925947E+18	0,000000E+00	0,000000E+00	3,926162E+18	5,124287E+20
-2275	2,281360E+21	4,836561E+21	6,601578E+21	6,601464E+21	4,836221E+21	2,281054E+21	5,123030E+20	3,923302E+18	0,000000E+00	0,000000E+00	3,924644E+18	5,124529E+20
-2274	2,281258E+21	4,836247E+21	6,601178E+21	6,601331E+21	4,836434E+21	2,281318E+21	5,124604E+20	3,924748E+18	0,000000E+00	0,000000E+00	3,925644E+18	5,123387E+20
-2273	2,281082E+21	4,836268E+21	6,601386E+21	6,601317E+21	4,836225E+21	2,281188E+21	5,124323E+20	3,929070E+18	0,000000E+00	0,000000E+00	3,929531E+18	5,124974E+20
-2272	2,281284E+21	4,836255E+21	6,601127E+21	6,600941E+21	4,835878E+21	2,281009E+21	5,123754E+20	3,927306E+18	0,000000E+00	0,000000E+00	3,928697E+18	5,124351E+20
-2271	2,281006E+21	4,835696E+21	6,600663E+21	6,600840E+21	4,836038E+21	2,281235E+21	5,125451E+20	3,932483E+18	0,000000E+00	0,000000E+00	3,931980E+18	5,124071E+20
-2270	2,280994E+21	4,835757E+21	6,600622E+21	6,600581E+21	4,835629E+21	2,280944E+21	5,124249E+20	3,933358E+18	0,000000E+00	0,000000E+00	3,934969E+18	5,125733E+20
-2269	2,281148E+21	4,835621E+21	6,600182E+21	6,600156E+21	4,835496E+21	2,280992E+21	5,124759E+20	3,933615E+18	0,000000E+00	0,000000E+00	3,934298E+18	5,124491E+20
-2268	2,280845E+21	4,835288E+21	6,600146E+21	6,600239E+21	4,835567E+21	2,281104E+21	5,125805E+20	3,937534E+18	0,000000E+00	0,000000E+00	3,936676E+18	5,125076E+20
-2267	2,281065E+21	4,835577E+21	6,600211E+21	6,600041E+21	4,835171E+21	2,280778E+21	5,124231E+20	3,935716E+18	0,000000E+00	0,000000E+00	3,937679E+18	5,125788E+20
-2266	2,281039E+21	4,835357E+21	6,599913E+21	6,599987E+21	4,835429E+21	2,281032E+21	5,125419E+20	3,936104E+18	0,000000E+00	0,000000E+00	3,935019E+18	5,124256E+20
-2265	2,280800E+21	4,835342E+21	6,600264E+21	6,600292E+21	4,835519E+21	2,281023E+21	5,125327E+20	3,936808E+18	0,000000E+00	0,000000E+00	3,937377E+18	5,125557E+20
-2264	2,281124E+21	4,835639E+21	6,600333E+21	6,600216E+21	4,835346E+21	2,280839E+21	5,124041E+20	3,933575E+18	0,000000E+00	0,000000E+00	3,934360E+18	5,125139E+20
-2263	2,280985E+21	4,835414E+21	6,600184E+21	6,600419E+21	4,835802E+21	2,281169E+21	5,125415E+20	3,932392E+18	0,000000E+00	0,000000E+00	3,931597E+18	5,124026E+20
-2262	2,280965E+21	4,835751E+21	6,600642E+21	6,600615E+21	4,835737E+21	2,281024E+21	5,124416E+20	3,932464E+18	0,000000E+00	0,000000E+00	3,933318E+18	5,125452E+20
-2261	2,281243E+21	4,835996E+21	6,600723E+21	6,600614E+21	4,835774E+21	2,281044E+21	5,124145E+20	3,929130E+18	0,000000E+00	0,000000E+00	3,927636E+18	5,124012E+20
-2260	2,280973E+21	4,835785E+21	6,600879E+21	6,601029E+21	4,836153E+21	2,281265E+21	5,125302E+20	3,929961E+18	0,000000E+00	0,000000E+00	3,929152E+18	5,124015E+20
-2259	2,281154E+21	4,836158E+21	6,601124E+21	6,601050E+21	4,835930E+21	2,280984E+21	5,123568E+20	3,928892E+18	0,000000E+00	0,000000E+00	3,929423E+18	5,125134E+20
-2258	2,281247E+21	4,836112E+21	6,600907E+21	6,600945E+21	4,836110E+21	2,281168E+21	5,124232E+20	3,925806E+18	0,000000E+00	0,000000E+00	3,926269E+18	5,123633E+20
-2257	2,280992E+21	4,835971E+21	6,601119E+21	6,601184E+21	4,836217E+21	2,281242E+21	5,124839E+20	3,929668E+18	0,000000E+00	0,000000E+00	3,930377E+18	5,124685E+20
-2256	2,281277E+21	4,836255E+21	6,601147E+21	6,600978E+21	4,835854E+21	2,280956E+21	5,123416E+20	3,927506E+18	0,000000E+00	0,000000E+00	3,928564E+18	5,124816E+20
-2255	2,281148E+21	4,835904E+21	6,600721E+21	6,600840E+21	4,836061E+21	2,281217E+21	5,125043E+20	3,929373E+18	0,000000E+00	0,000000E+00	3,929844E+18	5,123658E+20
-2254	2,280920E+21	4,835778E+21	6,600788E+21	6,600771E+21	4,835844E+21	2,281088E+21	5,124796E+20	3,933914E+18	0,000000E+00	0,000000E+00	3,933988E+18	5,125356E+20
-2253	2,281158E+21	4,835789E+21	6,600474E+21	6,600342E+21	4,835496E+21	2,280918E+21	5,124233E+20	3,932391E+18	0,000000E+00	0,000000E+00	3,933643E+18	5,124808E+20
-2252	2,280880E+21	4,835243E+21	6,600051E+21	6,600231E+21	4,835610E+21	2,281127E+21	5,125898E+20	3,937284E+18	0,000000E+00	0,000000E+00	3,936944E+18	5,124651E+20
-2251	2,280922E+21	4,835348E+21	6,600003E+21	6,599945E+21	4,835168E+21	2,280806E+21	5,124573E+20	3,937652E+18	0,000000E+00	0,000000E+00	3,939826E+18	5,126243E+20
-2250	2,281089E+21	4,835298E+21	6,599649E+21	6,599553E+21	4,835043E+21	2,280860E+21	5,125071E+20	3,937724E+18	0,000000E+00	0,000000E+00	3,938760E+18	5,124905E+20
-2249	2,280749E+21	4,834958E+21	6,599701E+21	6,599756E+21	4,835189E+21	2,280998E+21	5,126176E+20	3,941632E+18	0,000000E+00	0,000000E+00	3,940897E+18	5,125419E+20
-2248	2,280956E+21	4,835241E+21	6,599814E+21	6,599643E+21	4,834857E+21	2,280683E+21	5,124577E+20	3,939840E+18	0,000000E+00	0,000000E+00	3,941590E+18	5,126103E+20
-2247	2,280931E+21	4,835005E+21	6,599468E+21	6,599571E+21	4,835142E+21	2,280954E+21	5,125713E+20	3,939556E+18	0,000000E+00	0,000000E+00	3,938596E+18	5,124583E+20
-2246	2,280687E+21	4,834928E+21	6,599725E+21	6,599806E+21	4,835213E+21	2,280957E+21	5,125684E+20	3,940288E+18	0,000000E+00	0,000000E+00	3,940675E+18	5,125865E+20
-2245	2,281054E+21	4,835316E+21	6,599824E+21	6,599728E+21	4,835055E+21	2,280786E+21	5,124468E+20	3,937448E+18	0,000000E+00	0,000000E+00	3,937394E+18	5,125348E+20

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	2,280894E+21	4,835133E+21	6,599794E+21	6,599977E+21	4,835481E+21	2,281099E+21	5,125856E+20	3,936283E+18	0,000000E+00	0,000000E+00	3,934810E+18	5,124301E+20
-2243	2,280886E+21	4,835442E+21	6,600229E+21	6,600175E+21	4,835390E+21	2,280917E+21	5,124727E+20	3,936301E+18	0,000000E+00	0,000000E+00	3,936787E+18	5,125725E+20
-2242	2,281155E+21	4,835685E+21	6,600304E+21	6,600189E+21	4,835438E+21	2,280929E+21	5,124345E+20	3,932325E+18	0,000000E+00	0,000000E+00	3,931487E+18	5,124398E+20
-2241	2,280882E+21	4,835455E+21	6,600454E+21	6,600612E+21	4,835844E+21	2,281169E+21	5,125497E+20	3,933036E+18	0,000000E+00	0,000000E+00	3,933296E+18	5,124461E+20
-2240	2,281084E+21	4,835854E+21	6,600716E+21	6,600628E+21	4,835619E+21	2,280893E+21	5,123805E+20	3,932091E+18	0,000000E+00	0,000000E+00	3,933159E+18	5,125528E+20
-2239	2,281187E+21	4,835825E+21	6,600473E+21	6,600488E+21	4,835790E+21	2,281083E+21	5,124522E+20	3,929166E+18	0,000000E+00	0,000000E+00	3,930070E+18	5,123962E+20
-2238	2,280890E+21	4,835595E+21	6,600597E+21	6,600650E+21	4,835858E+21	2,281167E+21	5,125317E+20	3,934054E+18	0,000000E+00	0,000000E+00	3,934117E+18	5,124941E+20
-2237	2,281162E+21	4,835869E+21	6,600612E+21	6,600451E+21	4,835496E+21	2,280878E+21	5,123988E+20	3,932760E+18	0,000000E+00	0,000000E+00	3,932878E+18	5,125092E+20
-2236	2,280994E+21	4,835452E+21	6,600168E+21	6,600296E+21	4,835661E+21	2,281114E+21	5,125572E+20	3,934776E+18	0,000000E+00	0,000000E+00	3,934873E+18	5,124164E+20
-2235	2,280803E+21	4,835280E+21	6,600112E+21	6,600125E+21	4,835387E+21	2,280951E+21	5,125150E+20	3,938631E+18	0,000000E+00	0,000000E+00	3,939186E+18	5,125917E+20
-2234	2,281076E+21	4,835364E+21	6,599824E+21	6,599667E+21	4,835003E+21	2,280772E+21	5,124525E+20	3,936608E+18	0,000000E+00	0,000000E+00	3,938836E+18	5,125387E+20
-2233	2,280806E+21	4,834871E+21	6,599487E+21	6,599622E+21	4,835161E+21	2,281000E+21	5,126222E+20	3,941448E+18	0,000000E+00	0,000000E+00	3,941573E+18	5,125095E+20
-2232	2,280842E+21	4,835044E+21	6,599573E+21	6,599436E+21	4,834769E+21	2,280696E+21	5,124981E+20	3,942071E+18	0,000000E+00	0,000000E+00	3,943984E+18	5,126543E+20
-2231	2,280982E+21	4,834970E+21	6,599240E+21	6,599116E+21	4,834697E+21	2,280761E+21	5,125460E+20	3,942121E+18	0,000000E+00	0,000000E+00	3,942696E+18	5,125150E+20
-2230	2,280598E+21	4,834508E+21	6,599172E+21	6,599296E+21	4,834882E+21	2,280926E+21	5,126619E+20	3,945943E+18	0,000000E+00	0,000000E+00	3,944699E+18	5,125697E+20
-2229	2,280835E+21	4,834825E+21	6,599260E+21	6,599168E+21	4,834575E+21	2,280630E+21	5,125051E+20	3,944300E+18	0,000000E+00	0,000000E+00	3,945491E+18	5,126409E+20
-2228	2,280812E+21	4,834605E+21	6,598954E+21	6,599080E+21	4,834813E+21	2,280885E+21	5,126144E+20	3,943483E+18	0,000000E+00	0,000000E+00	3,942309E+18	5,125008E+20
-2227	2,280620E+21	4,834561E+21	6,599183E+21	6,599267E+21	4,834843E+21	2,280859E+21	5,125997E+20	3,943843E+18	0,000000E+00	0,000000E+00	3,944289E+18	5,126201E+20
-2226	2,280997E+21	4,835046E+21	6,599384E+21	6,599213E+21	4,834659E+21	2,280675E+21	5,124738E+20	3,940756E+18	0,000000E+00	0,000000E+00	3,940951E+18	5,125679E+20
-2225	2,280814E+21	4,834856E+21	6,599429E+21	6,599568E+21	4,835141E+21	2,280991E+21	5,126097E+20	3,939574E+18	0,000000E+00	0,000000E+00	3,938495E+18	5,124629E+20
-2224	2,280807E+21	4,835172E+21	6,599896E+21	6,599827E+21	4,835102E+21	2,280817E+21	5,124945E+20	3,939653E+18	0,000000E+00	0,000000E+00	3,940449E+18	5,126089E+20
-2223	2,281086E+21	4,835398E+21	6,599917E+21	6,599807E+21	4,835157E+21	2,280840E+21	5,124525E+20	3,935240E+18	0,000000E+00	0,000000E+00	3,935049E+18	5,124759E+20
-2222	2,280797E+21	4,835093E+21	6,599958E+21	6,600151E+21	4,835546E+21	2,281102E+21	5,125826E+20	3,936461E+18	0,000000E+00	0,000000E+00	3,936686E+18	5,124762E+20
-2221	2,281013E+21	4,835538E+21	6,600228E+21	6,600156E+21	4,835324E+21	2,280841E+21	5,124296E+20	3,936363E+18	0,000000E+00	0,000000E+00	3,936535E+18	5,125710E+20
-2220	2,281068E+21	4,835482E+21	6,600036E+21	6,600013E+21	4,835437E+21	2,281010E+21	5,125059E+20	3,933818E+18	0,000000E+00	0,000000E+00	3,934111E+18	5,124295E+20
-2219	2,280775E+21	4,835169E+21	6,600048E+21	6,600113E+21	4,835455E+21	2,281054E+21	5,125743E+20	3,938767E+18	0,000000E+00	0,000000E+00	3,938584E+18	5,125294E+20
-2218	2,281040E+21	4,835442E+21	6,600031E+21	6,599865E+21	4,835059E+21	2,280750E+21	5,124310E+20	3,936964E+18	0,000000E+00	0,000000E+00	3,938004E+18	5,125622E+20
-2217	2,280888E+21	4,835023E+21	6,599585E+21	6,599710E+21	4,835226E+21	2,280984E+21	5,125844E+20	3,938911E+18	0,000000E+00	0,000000E+00	3,940037E+18	5,124732E+20
-2216	2,280730E+21	4,834916E+21	6,599573E+21	6,599553E+21	4,834956E+21	2,280823E+21	5,125455E+20	3,942705E+18	0,000000E+00	0,000000E+00	3,943858E+18	5,126407E+20
-2215	2,281011E+21	4,835033E+21	6,599314E+21	6,599114E+21	4,834594E+21	2,280656E+21	5,124873E+20	3,940863E+18	0,000000E+00	0,000000E+00	3,943201E+18	5,125748E+20
-2214	2,280695E+21	4,834477E+21	6,598954E+21	6,599072E+21	4,834768E+21	2,280912E+21	5,126736E+20	3,946340E+18	0,000000E+00	0,000000E+00	3,945578E+18	5,125359E+20
-2213	2,280713E+21	4,834636E+21	6,599052E+21	6,598953E+21	4,834434E+21	2,280628E+21	5,125610E+20	3,947591E+18	0,000000E+00	0,000000E+00	3,948290E+18	5,126778E+20
-2212	2,280819E+21	4,834513E+21	6,598718E+21	6,598641E+21	4,834359E+21	2,280685E+21	5,125996E+20	3,947254E+18	0,000000E+00	0,000000E+00	3,947348E+18	5,125631E+20
-2211	2,280487E+21	4,834027E+21	6,598524E+21	6,598709E+21	4,834489E+21	2,280821E+21	5,126969E+20	3,950104E+18	0,000000E+00	0,000000E+00	3,949153E+18	5,126141E+20
-2210	2,280752E+21	4,834438E+21	6,598668E+21	6,598564E+21	4,834150E+21	2,280516E+21	5,125314E+20	3,947777E+18	0,000000E+00	0,000000E+00	3,949749E+18	5,126871E+20
-2209	2,280749E+21	4,834300E+21	6,598483E+21	6,598561E+21	4,834419E+21	2,280768E+21	5,126365E+20	3,946636E+18	0,000000E+00	0,000000E+00	3,945954E+18	5,125367E+20

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	2,280566E+21	4,834335E+21	6,598832E+21	6,598839E+21	4,834490E+21	2,280751E+21	5,126260E+20	3,947145E+18	0,000000E+00	0,000000E+00	3,947614E+18	5,126461E+20
-2207	2,280924E+21	4,834801E+21	6,599067E+21	6,598874E+21	4,834371E+21	2,280578E+21	5,124951E+20	3,943841E+18	0,000000E+00	0,000000E+00	3,944071E+18	5,125921E+20
-2206	2,280710E+21	4,834522E+21	6,599018E+21	6,599202E+21	4,834885E+21	2,280921E+21	5,126371E+20	3,942783E+18	0,000000E+00	0,000000E+00	3,941721E+18	5,124913E+20
-2205	2,280724E+21	4,834852E+21	6,599459E+21	6,599452E+21	4,834869E+21	2,280773E+21	5,125346E+20	3,943412E+18	0,000000E+00	0,000000E+00	3,943774E+18	5,126343E+20
-2204	2,280988E+21	4,835069E+21	6,599495E+21	6,599404E+21	4,834875E+21	2,280781E+21	5,124926E+20	3,938877E+18	0,000000E+00	0,000000E+00	3,938670E+18	5,125155E+20
-2203	2,280732E+21	4,834744E+21	6,599430E+21	6,599630E+21	4,835190E+21	2,281015E+21	5,126206E+20	3,940391E+18	0,000000E+00	0,000000E+00	3,940412E+18	5,125039E+20
-2202	2,280920E+21	4,835214E+21	6,599750E+21	6,599618E+21	4,834912E+21	2,280737E+21	5,124693E+20	3,940425E+18	0,000000E+00	0,000000E+00	3,940704E+18	5,126042E+20
-2201	2,280950E+21	4,835104E+21	6,599559E+21	6,599522E+21	4,835034E+21	2,280889E+21	5,125421E+20	3,938164E+18	0,000000E+00	0,000000E+00	3,938817E+18	5,124719E+20
-2200	2,280669E+21	4,834787E+21	6,599531E+21	6,599599E+21	4,835061E+21	2,280933E+21	5,126075E+20	3,943159E+18	0,000000E+00	0,000000E+00	3,943373E+18	5,125788E+20
-2199	2,280948E+21	4,835047E+21	6,599470E+21	6,599307E+21	4,834653E+21	2,280628E+21	5,124594E+20	3,940957E+18	0,000000E+00	0,000000E+00	3,942721E+18	5,126110E+20
-2198	2,280791E+21	4,834591E+21	6,598963E+21	6,599103E+21	4,834809E+21	2,280879E+21	5,126236E+20	3,943414E+18	0,000000E+00	0,000000E+00	3,944412E+18	5,125136E+20
-2197	2,280645E+21	4,834544E+21	6,599011E+21	6,598997E+21	4,834574E+21	2,280740E+21	5,126032E+20	3,947945E+18	0,000000E+00	0,000000E+00	3,948055E+18	5,126659E+20
-2196	2,280874E+21	4,834635E+21	6,598821E+21	6,598603E+21	4,834201E+21	2,280567E+21	5,125475E+20	3,946384E+18	0,000000E+00	0,000000E+00	3,947865E+18	5,126121E+20
-2195	2,280561E+21	4,834005E+21	6,598354E+21	6,598517E+21	4,834364E+21	2,280803E+21	5,127210E+20	3,951436E+18	0,000000E+00	0,000000E+00	3,950288E+18	5,125726E+20
-2194	2,280578E+21	4,834191E+21	6,598459E+21	6,598370E+21	4,834012E+21	2,280515E+21	5,125980E+20	3,951867E+18	0,000000E+00	0,000000E+00	3,953418E+18	5,127286E+20
-2193	2,280708E+21	4,834082E+21	6,598138E+21	6,598085E+21	4,833952E+21	2,280569E+21	5,126263E+20	3,950991E+18	0,000000E+00	0,000000E+00	3,952038E+18	5,126169E+20
-2192	2,280430E+21	4,833702E+21	6,598002E+21	6,598177E+21	4,834103E+21	2,280705E+21	5,127195E+20	3,953299E+18	0,000000E+00	0,000000E+00	3,953172E+18	5,126582E+20
-2191	2,280704E+21	4,834171E+21	6,598223E+21	6,598073E+21	4,833787E+21	2,280409E+21	5,125539E+20	3,950954E+18	0,000000E+00	0,000000E+00	3,953060E+18	5,127147E+20
-2190	2,280665E+21	4,834004E+21	6,598067E+21	6,598118E+21	4,834087E+21	2,280682E+21	5,126710E+20	3,950269E+18	0,000000E+00	0,000000E+00	3,948870E+18	5,125565E+20
-2189	2,280473E+21	4,834043E+21	6,598457E+21	6,598497E+21	4,834232E+21	2,280686E+21	5,126733E+20	3,951477E+18	0,000000E+00	0,000000E+00	3,950809E+18	5,126625E+20
-2188	2,280797E+21	4,834458E+21	6,598680E+21	6,598536E+21	4,834122E+21	2,280519E+21	5,125368E+20	3,947840E+18	0,000000E+00	0,000000E+00	3,947660E+18	5,126313E+20
-2187	2,280628E+21	4,834152E+21	6,598505E+21	6,598742E+21	4,834577E+21	2,280840E+21	5,126670E+20	3,946252E+18	0,000000E+00	0,000000E+00	3,945377E+18	5,125268E+20
-2186	2,280654E+21	4,834544E+21	6,598979E+21	6,598947E+21	4,834512E+21	2,280687E+21	5,125643E+20	3,946625E+18	0,000000E+00	0,000000E+00	3,947558E+18	5,126692E+20
-2185	2,280911E+21	4,834778E+21	6,599068E+21	6,598945E+21	4,834521E+21	2,280683E+21	5,125216E+20	3,942256E+18	0,000000E+00	0,000000E+00	3,942414E+18	5,125478E+20
-2184	2,280658E+21	4,834476E+21	6,599022E+21	6,599183E+21	4,834832E+21	2,280909E+21	5,126530E+20	3,944245E+18	0,000000E+00	0,000000E+00	3,944344E+18	5,125348E+20
-2183	2,280811E+21	4,834871E+21	6,599306E+21	6,599187E+21	4,834571E+21	2,280626E+21	5,124969E+20	3,944185E+18	0,000000E+00	0,000000E+00	3,944728E+18	5,126378E+20
-2182	2,280824E+21	4,834677E+21	6,599003E+21	6,599015E+21	4,834679E+21	2,280790E+21	5,125770E+20	3,942331E+18	0,000000E+00	0,000000E+00	3,943192E+18	5,125157E+20
-2181	2,280571E+21	4,834377E+21	6,598953E+21	6,599073E+21	4,834702E+21	2,280848E+21	5,126563E+20	3,947958E+18	0,000000E+00	0,000000E+00	3,947688E+18	5,126166E+20
-2180	2,280837E+21	4,834644E+21	6,598914E+21	6,598765E+21	4,834268E+21	2,280538E+21	5,125097E+20	3,945708E+18	0,000000E+00	0,000000E+00	3,947452E+18	5,126620E+20
-2179	2,280709E+21	4,834187E+21	6,598338E+21	6,598462E+21	4,834356E+21	2,280762E+21	5,126695E+20	3,948438E+18	0,000000E+00	0,000000E+00	3,949037E+18	5,125505E+20
-2178	2,280531E+21	4,834157E+21	6,598457E+21	6,598383E+21	4,834103E+21	2,280620E+21	5,126509E+20	3,952839E+18	0,000000E+00	0,000000E+00	3,953087E+18	5,127065E+20
-2177	2,280738E+21	4,834199E+21	6,598279E+21	6,598081E+21	4,833780E+21	2,280437E+21	5,125866E+20	3,951294E+18	0,000000E+00	0,000000E+00	3,953228E+18	5,126629E+20
-2176	2,280456E+21	4,833597E+21	6,597770E+21	6,597960E+21	4,833960E+21	2,280680E+21	5,127535E+20	3,955791E+18	0,000000E+00	0,000000E+00	3,955258E+18	5,126259E+20
-2175	2,280482E+21	4,833787E+21	6,597883E+21	6,597811E+21	4,833616E+21	2,280399E+21	5,126242E+20	3,955561E+18	0,000000E+00	0,000000E+00	3,957701E+18	5,127704E+20
-2174	2,280616E+21	4,833689E+21	6,597559E+21	6,597516E+21	4,833564E+21	2,280473E+21	5,126621E+20	3,954888E+18	0,000000E+00	0,000000E+00	3,955580E+18	5,126484E+20
-2173	2,280351E+21	4,833389E+21	6,597527E+21	6,597694E+21	4,833763E+21	2,280631E+21	5,127705E+20	3,957705E+18	0,000000E+00	0,000000E+00	3,956283E+18	5,126716E+20

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	2,280579E+21	4,833850E+21	6,597837E+21	6,597679E+21	4,833482E+21	2,280339E+21	5,126036E+20	3,955440E+18	0,000000E+00	0,000000E+00	3,956530E+18	5,127424E+20
-2171	2,280556E+21	4,833637E+21	6,597593E+21	6,597686E+21	4,833773E+21	2,280590E+21	5,127044E+20	3,954239E+18	0,000000E+00	0,000000E+00	3,952439E+18	5,125852E+20
-2170	2,280372E+21	4,833713E+21	6,598010E+21	6,598051E+21	4,833910E+21	2,280599E+21	5,127010E+20	3,954815E+18	0,000000E+00	0,000000E+00	3,954889E+18	5,127039E+20
-2169	2,280713E+21	4,834127E+21	6,598245E+21	6,598130E+21	4,833817E+21	2,280426E+21	5,125579E+20	3,950873E+18	0,000000E+00	0,000000E+00	3,951486E+18	5,126753E+20
-2168	2,280587E+21	4,833904E+21	6,598077E+21	6,598306E+21	4,834261E+21	2,280746E+21	5,126884E+20	3,949114E+18	0,000000E+00	0,000000E+00	3,949007E+18	5,125649E+20
-2167	2,280594E+21	4,834293E+21	6,598582E+21	6,598512E+21	4,834188E+21	2,280595E+21	5,125891E+20	3,949723E+18	0,000000E+00	0,000000E+00	3,950738E+18	5,126902E+20
-2166	2,280801E+21	4,834449E+21	6,598631E+21	6,598502E+21	4,834194E+21	2,280601E+21	5,125603E+20	3,946105E+18	0,000000E+00	0,000000E+00	3,945853E+18	5,125740E+20
-2165	2,280548E+21	4,834118E+21	6,598555E+21	6,598767E+21	4,834531E+21	2,280832E+21	5,127028E+20	3,949033E+18	0,000000E+00	0,000000E+00	3,948289E+18	5,125639E+20
-2164	2,280677E+21	4,834454E+21	6,598777E+21	6,598709E+21	4,834242E+21	2,280546E+21	5,125430E+20	3,948769E+18	0,000000E+00	0,000000E+00	3,949257E+18	5,126894E+20
-2163	2,280733E+21	4,834238E+21	6,598353E+21	6,598396E+21	4,834257E+21	2,280674E+21	5,126131E+20	3,946836E+18	0,000000E+00	0,000000E+00	3,947812E+18	5,125627E+20
-2162	2,280492E+21	4,834018E+21	6,598376E+21	6,598432E+21	4,834232E+21	2,280721E+21	5,126929E+20	3,952259E+18	0,000000E+00	0,000000E+00	3,952459E+18	5,126613E+20
-2161	2,280739E+21	4,834279E+21	6,598394E+21	6,598202E+21	4,833824E+21	2,280410E+21	5,125494E+20	3,950288E+18	0,000000E+00	0,000000E+00	3,952288E+18	5,127029E+20
-2160	2,280613E+21	4,833849E+21	6,597842E+21	6,597934E+21	4,833936E+21	2,280636E+21	5,127079E+20	3,953172E+18	0,000000E+00	0,000000E+00	3,953921E+18	5,125935E+20
-2159	2,280406E+21	4,833751E+21	6,597932E+21	6,597877E+21	4,833721E+21	2,280501E+21	5,126838E+20	3,957116E+18	0,000000E+00	0,000000E+00	3,957701E+18	5,127434E+20
-2158	2,280597E+21	4,833730E+21	6,597668E+21	6,597528E+21	4,833411E+21	2,280345E+21	5,126268E+20	3,955761E+18	0,000000E+00	0,000000E+00	3,957866E+18	5,127083E+20
-2157	2,280352E+21	4,833173E+21	6,597173E+21	6,597423E+21	4,833602E+21	2,280599E+21	5,128031E+20	3,960487E+18	0,000000E+00	0,000000E+00	3,959303E+18	5,126607E+20
-2156	2,280367E+21	4,833382E+21	6,597326E+21	6,597277E+21	4,833254E+21	2,280319E+21	5,126732E+20	3,960074E+18	0,000000E+00	0,000000E+00	3,961790E+18	5,128097E+20
-2155	2,280526E+21	4,833311E+21	6,596989E+21	6,596923E+21	4,833149E+21	2,280367E+21	5,127047E+20	3,959428E+18	0,000000E+00	0,000000E+00	3,959302E+18	5,126768E+20
-2154	2,280248E+21	4,833066E+21	6,597078E+21	6,597172E+21	4,833350E+21	2,280518E+21	5,128089E+20	3,961821E+18	0,000000E+00	0,000000E+00	3,960428E+18	5,127058E+20
-2153	2,280466E+21	4,833494E+21	6,597407E+21	6,597269E+21	4,833153E+21	2,280232E+21	5,126339E+20	3,959418E+18	0,000000E+00	0,000000E+00	3,960836E+18	5,127873E+20
-2152	2,280491E+21	4,833345E+21	6,597149E+21	6,597254E+21	4,833461E+21	2,280487E+21	5,127223E+20	3,957383E+18	0,000000E+00	0,000000E+00	3,956545E+18	5,126350E+20
-2151	2,280318E+21	4,833426E+21	6,597579E+21	6,597625E+21	4,833608E+21	2,280505E+21	5,127148E+20	3,957427E+18	0,000000E+00	0,000000E+00	3,958236E+18	5,127358E+20
-2150	2,280645E+21	4,833833E+21	6,597805E+21	6,597697E+21	4,833527E+21	2,280354E+21	5,125856E+20	3,953924E+18	0,000000E+00	0,000000E+00	3,954399E+18	5,126996E+20
-2149	2,280514E+21	4,833638E+21	6,597687E+21	6,597910E+21	4,833981E+21	2,280687E+21	5,127353E+20	3,953079E+18	0,000000E+00	0,000000E+00	3,951853E+18	5,125758E+20
-2148	2,280459E+21	4,833950E+21	6,598192E+21	6,598142E+21	4,833916E+21	2,280535E+21	5,126375E+20	3,953995E+18	0,000000E+00	0,000000E+00	3,954215E+18	5,127166E+20
-2147	2,280679E+21	4,834044E+21	6,598093E+21	6,598001E+21	4,833849E+21	2,280505E+21	5,125973E+20	3,950317E+18	0,000000E+00	0,000000E+00	3,949854E+18	5,126104E+20
-2146	2,280442E+21	4,833739E+21	6,598016E+21	6,598197E+21	4,834128E+21	2,280724E+21	5,127346E+20	3,952967E+18	0,000000E+00	0,000000E+00	3,953019E+18	5,126142E+20
-2145	2,280588E+21	4,834068E+21	6,598239E+21	6,598174E+21	4,833845E+21	2,280427E+21	5,125721E+20	3,952614E+18	0,000000E+00	0,000000E+00	3,953981E+18	5,127440E+20
-2144	2,280690E+21	4,833941E+21	6,597823E+21	6,597821E+21	4,833834E+21	2,280544E+21	5,126405E+20	3,950860E+18	0,000000E+00	0,000000E+00	3,952498E+18	5,126110E+20
-2143	2,280417E+21	4,833702E+21	6,597897E+21	6,597892E+21	4,833817E+21	2,280597E+21	5,127249E+20	3,956435E+18	0,000000E+00	0,000000E+00	3,956553E+18	5,126883E+20
-2142	2,280605E+21	4,833872E+21	6,597880E+21	6,597693E+21	4,833441E+21	2,280309E+21	5,125986E+20	3,955270E+18	0,000000E+00	0,000000E+00	3,956824E+18	5,127356E+20
-2141	2,280469E+21	4,833397E+21	6,597289E+21	6,597444E+21	4,833587E+21	2,280553E+21	5,127680E+20	3,958853E+18	0,000000E+00	0,000000E+00	3,958561E+18	5,126293E+20
-2140	2,280244E+21	4,833244E+21	6,597315E+21	6,597334E+21	4,833367E+21	2,280425E+21	5,127390E+20	3,962238E+18	0,000000E+00	0,000000E+00	3,962627E+18	5,127924E+20
-2139	2,280479E+21	4,833234E+21	6,596949E+21	6,596842E+21	4,832965E+21	2,280237E+21	5,126718E+20	3,960662E+18	0,000000E+00	0,000000E+00	3,962568E+18	5,127536E+20
-2138	2,280260E+21	4,832788E+21	6,596564E+21	6,596739E+21	4,833121E+21	2,280477E+21	5,128424E+20	3,964853E+18	0,000000E+00	0,000000E+00	3,963771E+18	5,127026E+20
-2137	2,280268E+21	4,833014E+21	6,596815E+21	6,596723E+21	4,832825E+21	2,280194E+21	5,127104E+20	3,964449E+18	0,000000E+00	0,000000E+00	3,966141E+18	5,128486E+20

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°
-2136	2,280450E+21	4,833009E+21	6,596544E+21	6,596445E+21	4,832762E+21	2,280237E+21	5,127303E+20	3,963339E+18	0,000000E+00	0,000000E+00	3,963528E+18	5,127196E+20
-2135	2,280162E+21	4,832751E+21	6,596668E+21	6,596762E+21	4,833027E+21	2,280402E+21	5,128244E+20	3,964919E+18	0,000000E+00	0,000000E+00	3,964179E+18	5,127400E+20
-2134	2,280371E+21	4,833146E+21	6,596956E+21	6,596861E+21	4,832881E+21	2,280162E+21	5,126615E+20	3,962655E+18	0,000000E+00	0,000000E+00	3,964375E+18	5,128241E+20
-2133	2,280424E+21	4,833047E+21	6,596744E+21	6,596887E+21	4,833216E+21	2,280435E+21	5,127598E+20	3,960752E+18	0,000000E+00	0,000000E+00	3,959527E+18	5,126610E+20
-2132	2,280234E+21	4,833125E+21	6,597171E+21	6,597230E+21	4,833358E+21	2,280461E+21	5,127563E+20	3,960938E+18	0,000000E+00	0,000000E+00	3,961244E+18	5,127566E+20
-2131	2,280549E+21	4,833504E+21	6,597331E+21	6,597204E+21	4,833194E+21	2,280280E+21	5,126261E+20	3,957863E+18	0,000000E+00	0,000000E+00	3,957421E+18	5,127173E+20
-2130	2,280405E+21	4,833326E+21	6,597268E+21	6,597423E+21	4,833611E+21	2,280588E+21	5,127719E+20	3,956997E+18	0,000000E+00	0,000000E+00	3,955862E+18	5,126088E+20
-2129	2,280342E+21	4,833556E+21	6,597711E+21	6,597689E+21	4,833577E+21	2,280430E+21	5,126695E+20	3,958054E+18	0,000000E+00	0,000000E+00	3,958593E+18	5,127639E+20
-2128	2,280614E+21	4,833711E+21	6,597577E+21	6,597478E+21	4,833472E+21	2,280385E+21	5,126186E+20	3,953896E+18	0,000000E+00	0,000000E+00	3,954477E+18	5,126676E+20
-2127	2,280390E+21	4,833423E+21	6,597527E+21	6,597668E+21	4,833731E+21	2,280593E+21	5,127510E+20	3,956272E+18	0,000000E+00	0,000000E+00	3,957018E+18	5,126519E+20
-2126	2,280508E+21	4,833732E+21	6,597742E+21	6,597648E+21	4,833474E+21	2,280332E+21	5,126101E+20	3,956606E+18	0,000000E+00	0,000000E+00	3,957851E+18	5,127744E+20
-2125	2,280592E+21	4,833607E+21	6,597387E+21	6,597364E+21	4,833483E+21	2,280461E+21	5,126948E+20	3,955955E+18	0,000000E+00	0,000000E+00	3,956512E+18	5,126335E+20
-2124	2,280263E+21	4,833269E+21	6,597400E+21	6,597439E+21	4,833492E+21	2,280523E+21	5,127807E+20	3,961631E+18	0,000000E+00	0,000000E+00	3,961093E+18	5,127208E+20
-2123	2,280447E+21	4,833361E+21	6,597222E+21	6,597095E+21	4,833047E+21	2,280213E+21	5,126482E+20	3,960502E+18	0,000000E+00	0,000000E+00	3,961904E+18	5,127806E+20
-2122	2,280339E+21	4,832927E+21	6,596639E+21	6,596769E+21	4,833127E+21	2,280442E+21	5,128111E+20	3,963664E+18	0,000000E+00	0,000000E+00	3,963937E+18	5,126877E+20
-2121	2,280138E+21	4,832770E+21	6,596661E+21	6,596700E+21	4,832918E+21	2,280302E+21	5,127771E+20	3,966623E+18	0,000000E+00	0,000000E+00	3,967706E+18	5,128490E+20
-2120	2,280427E+21	4,832889E+21	6,596349E+21	6,596184E+21	4,832490E+21	2,280098E+21	5,127019E+20	3,964845E+18	0,000000E+00	0,000000E+00	3,967380E+18	5,128060E+20
-2119	2,280192E+21	4,832473E+21	6,596085E+21	6,596176E+21	4,832671E+21	2,280331E+21	5,128656E+20	3,968598E+18	0,000000E+00	0,000000E+00	3,967676E+18	5,127332E+20
-2118	2,280162E+21	4,832659E+21	6,596362E+21	6,596263E+21	4,832469E+21	2,280091E+21	5,127481E+20	3,968638E+18	0,000000E+00	0,000000E+00	3,970229E+18	5,128830E+20
-2117	2,280348E+21	4,832654E+21	6,596117E+21	6,596059E+21	4,832477E+21	2,280162E+21	5,127737E+20	3,967812E+18	0,000000E+00	0,000000E+00	3,967212E+18	5,127508E+20
-2116	2,280051E+21	4,832375E+21	6,596211E+21	6,596366E+21	4,832775E+21	2,280351E+21	5,128651E+20	3,968674E+18	0,000000E+00	0,000000E+00	3,967719E+18	5,127722E+20
-2115	2,280282E+21	4,832778E+21	6,596423E+21	6,596349E+21	4,832559E+21	2,280095E+21	5,126999E+20	3,966424E+18	0,000000E+00	0,000000E+00	3,967563E+18	5,128478E+20
-2114	2,280338E+21	4,832754E+21	6,596300E+21	6,596362E+21	4,832855E+21	2,280357E+21	5,127965E+20	3,964175E+18	0,000000E+00	0,000000E+00	3,962808E+18	5,126851E+20
-2113	2,280129E+21	4,832787E+21	6,596756E+21	6,596802E+21	4,833032E+21	2,280375E+21	5,127929E+20	3,964721E+18	0,000000E+00	0,000000E+00	3,964785E+18	5,127820E+20
-2112	2,280463E+21	4,833200E+21	6,596905E+21	6,596763E+21	4,832853E+21	2,280170E+21	5,126503E+20	3,961381E+18	0,000000E+00	0,000000E+00	3,961380E+18	5,127572E+20
-2111	2,280322E+21	4,833004E+21	6,596837E+21	6,596984E+21	4,833269E+21	2,280465E+21	5,127837E+20	3,959958E+18	0,000000E+00	0,000000E+00	3,959686E+18	5,126466E+20
-2110	2,280259E+21	4,833206E+21	6,597234E+21	6,597230E+21	4,833256E+21	2,280343E+21	5,126973E+20	3,961482E+18	0,000000E+00	0,000000E+00	3,962495E+18	5,128066E+20
-2109	2,280551E+21	4,833391E+21	6,597136E+21	6,597046E+21	4,833155E+21	2,280305E+21	5,126580E+20	3,957870E+18	0,000000E+00	0,000000E+00	3,958197E+18	5,127014E+20
-2108	2,280304E+21	4,833092E+21	6,597073E+21	6,597209E+21	4,833412E+21	2,280525E+21	5,127964E+20	3,960593E+18	0,000000E+00	0,000000E+00	3,960885E+18	5,126788E+20
-2107	2,280390E+21	4,833339E+21	6,597202E+21	6,597084E+21	4,833078E+21	2,280244E+21	5,126627E+20	3,961587E+18	0,000000E+00	0,000000E+00	3,962055E+18	5,128011E+20
-2106	2,280453E+21	4,833191E+21	6,596855E+21	6,596789E+21	4,833061E+21	2,280355E+21	5,127443E+20	3,961130E+18	0,000000E+00	0,000000E+00	3,961805E+18	5,126806E+20
-2105	2,280122E+21	4,832760E+21	6,596767E+21	6,596867E+21	4,833089E+21	2,280414E+21	5,128251E+20	3,966624E+18	0,000000E+00	0,000000E+00	3,966521E+18	5,127782E+20
-2104	2,280358E+21	4,832920E+21	6,596553E+21	6,596430E+21	4,832583E+21	2,280079E+21	5,126806E+20	3,964933E+18	0,000000E+00	0,000000E+00	3,967466E+18	5,128467E+20
-2103	2,280273E+21	4,832538E+21	6,596034E+21	6,596112E+21	4,832635E+21	2,280287E+21	5,128335E+20	3,967568E+18	0,000000E+00	0,000000E+00	3,968471E+18	5,127318E+20
-2102	2,280054E+21	4,832392E+21	6,596093E+21	6,596091E+21	4,832478E+21	2,280188E+21	5,128178E+20	3,970967E+18	0,000000E+00	0,000000E+00	3,971838E+18	5,128807E+20
-2101	2,280323E+21	4,832540E+21	6,595909E+21	6,595717E+21	4,832112E+21	2,280000E+21	5,127530E+20	3,969872E+18	0,000000E+00	0,000000E+00	3,971222E+18	5,128301E+20

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°
-2100	2,280061E+21	4,832088E+21	6,595638E+21	6,595762E+21	4,832362E+21	2,280251E+21	5,129101E+20	3,973143E+18	0,000000E+00	0,000000E+00	3,971593E+18	5,127602E+20
-2099	2,280027E+21	4,832225E+21	6,595805E+21	6,595754E+21	4,832140E+21	2,280018E+21	5,127928E+20	3,973125E+18	0,000000E+00	0,000000E+00	3,974331E+18	5,129166E+20
-2098	2,280240E+21	4,832282E+21	6,595620E+21	6,595550E+21	4,832131E+21	2,280083E+21	5,128092E+20	3,971664E+18	0,000000E+00	0,000000E+00	3,971393E+18	5,127946E+20
-2097	2,279967E+21	4,831999E+21	6,595704E+21	6,595896E+21	4,832452E+21	2,280270E+21	5,128986E+20	3,972204E+18	0,000000E+00	0,000000E+00	3,971512E+18	5,128078E+20
-2096	2,280230E+21	4,832502E+21	6,595957E+21	6,595843E+21	4,832198E+21	2,279997E+21	5,127266E+20	3,969794E+18	0,000000E+00	0,000000E+00	3,971223E+18	5,128811E+20
-2095	2,280265E+21	4,832486E+21	6,595925E+21	6,595918E+21	4,832480E+21	2,280233E+21	5,128149E+20	3,967144E+18	0,000000E+00	0,000000E+00	3,965949E+18	5,127078E+20
-2094	2,280027E+21	4,832452E+21	6,596335E+21	6,596402E+21	4,832728E+21	2,280287E+21	5,128242E+20	3,968254E+18	0,000000E+00	0,000000E+00	3,968392E+18	5,128142E+20
-2093	2,280368E+21	4,832863E+21	6,596497E+21	6,596395E+21	4,832580E+21	2,280097E+21	5,126865E+20	3,965154E+18	0,000000E+00	0,000000E+00	3,964976E+18	5,127957E+20
-2092	2,280243E+21	4,832666E+21	6,596383E+21	6,596566E+21	4,832986E+21	2,280394E+21	5,128146E+20	3,963490E+18	0,000000E+00	0,000000E+00	3,963513E+18	5,126844E+20
-2091	2,280187E+21	4,832858E+21	6,596698E+21	6,596690E+21	4,832895E+21	2,280261E+21	5,127373E+20	3,965487E+18	0,000000E+00	0,000000E+00	3,966109E+18	5,128365E+20
-2090	2,280468E+21	4,833088E+21	6,596677E+21	6,596503E+21	4,832759E+21	2,280210E+21	5,126995E+20	3,962134E+18	0,000000E+00	0,000000E+00	3,962417E+18	5,127336E+20
-2089	2,280187E+21	4,832700E+21	6,596591E+21	6,596728E+21	4,833039E+21	2,280428E+21	5,128425E+20	3,965329E+18	0,000000E+00	0,000000E+00	3,965342E+18	5,127135E+20
-2088	2,280280E+21	4,832944E+21	6,596656E+21	6,596544E+21	4,832675E+21	2,280126E+21	5,126996E+20	3,966065E+18	0,000000E+00	0,000000E+00	3,967147E+18	5,128508E+20
-2087	2,280340E+21	4,832765E+21	6,596284E+21	6,596219E+21	4,832628E+21	2,280219E+21	5,127702E+20	3,965123E+18	0,000000E+00	0,000000E+00	3,966717E+18	5,127312E+20
-2086	2,280021E+21	4,832313E+21	6,596141E+21	6,596272E+21	4,832680E+21	2,280311E+21	5,128639E+20	3,970924E+18	0,000000E+00	0,000000E+00	3,971336E+18	5,128287E+20
-2085	2,280271E+21	4,832520E+21	6,595985E+21	6,595862E+21	4,832172E+21	2,279979E+21	5,127290E+20	3,969744E+18	0,000000E+00	0,000000E+00	3,971836E+18	5,128850E+20
-2084	2,280173E+21	4,832156E+21	6,595493E+21	6,595551E+21	4,832231E+21	2,280189E+21	5,128814E+20	3,972464E+18	0,000000E+00	0,000000E+00	3,972548E+18	5,127580E+20
-2083	2,279923E+21	4,831974E+21	6,595527E+21	6,595496E+21	4,832036E+21	2,280080E+21	5,128732E+20	3,976300E+18	0,000000E+00	0,000000E+00	3,976089E+18	5,129063E+20
-2082	2,280180E+21	4,832120E+21	6,595379E+21	6,595172E+21	4,831707E+21	2,279895E+21	5,128018E+20	3,975152E+18	0,000000E+00	0,000000E+00	3,976139E+18	5,128724E+20
-2081	2,279928E+21	4,831622E+21	6,595066E+21	6,595264E+21	4,832016E+21	2,280159E+21	5,129512E+20	3,977738E+18	0,000000E+00	0,000000E+00	3,976370E+18	5,128106E+20
-2080	2,279955E+21	4,831853E+21	6,595233E+21	6,595191E+21	4,831755E+21	2,279915E+21	5,128229E+20	3,976939E+18	0,000000E+00	0,000000E+00	3,979001E+18	5,129678E+20
-2079	2,280181E+21	4,831968E+21	6,595138E+21	6,595034E+21	4,831738E+21	2,279960E+21	5,128259E+20	3,974625E+18	0,000000E+00	0,000000E+00	3,974861E+18	5,128266E+20
-2078	2,279895E+21	4,831698E+21	6,595258E+21	6,595438E+21	4,832119E+21	2,280184E+21	5,129295E+20	3,975465E+18	0,000000E+00	0,000000E+00	3,974795E+18	5,128301E+20
-2077	2,280129E+21	4,832204E+21	6,595607E+21	6,595494E+21	4,831909E+21	2,279918E+21	5,127644E+20	3,973618E+18	0,000000E+00	0,000000E+00	3,974288E+18	5,129008E+20
-2076	2,280155E+21	4,832160E+21	6,595540E+21	6,595577E+21	4,832225E+21	2,280160E+21	5,128451E+20	3,970550E+18	0,000000E+00	0,000000E+00	3,969271E+18	5,127347E+20
-2075	2,279924E+21	4,832091E+21	6,595836E+21	6,595933E+21	4,832414E+21	2,280215E+21	5,128608E+20	3,972005E+18	0,000000E+00	0,000000E+00	3,972055E+18	5,128493E+20
-2074	2,280290E+21	4,832550E+21	6,596034E+21	6,595912E+21	4,832248E+21	2,280019E+21	5,127199E+20	3,968724E+18	0,000000E+00	0,000000E+00	3,968973E+18	5,128405E+20
-2073	2,280180E+21	4,832339E+21	6,595903E+21	6,596101E+21	4,832658E+21	2,280309E+21	5,128481E+20	3,967180E+18	0,000000E+00	0,000000E+00	3,967442E+18	5,127240E+20
-2072	2,280137E+21	4,832584E+21	6,596229E+21	6,596166E+21	4,832506E+21	2,280156E+21	5,127705E+20	3,969382E+18	0,000000E+00	0,000000E+00	3,970263E+18	5,128723E+20
-2071	2,280377E+21	4,832776E+21	6,596259E+21	6,596034E+21	4,832348E+21	2,280073E+21	5,127261E+20	3,965893E+18	0,000000E+00	0,000000E+00	3,966539E+18	5,127665E+20
-2070	2,280067E+21	4,832289E+21	6,596061E+21	6,596244E+21	4,832684E+21	2,280331E+21	5,128844E+20	3,969941E+18	0,000000E+00	0,000000E+00	3,969988E+18	5,127536E+20
-2069	2,280146E+21	4,832504E+21	6,596116E+21	6,596055E+21	4,832323E+21	2,280041E+21	5,127483E+20	3,970915E+18	0,000000E+00	0,000000E+00	3,971760E+18	5,128950E+20
-2068	2,280233E+21	4,832333E+21	6,595687E+21	6,595654E+21	4,832237E+21	2,280124E+21	5,128144E+20	3,969801E+18	0,000000E+00	0,000000E+00	3,971318E+18	5,127718E+20
-2067	2,279912E+21	4,831871E+21	6,595462E+21	6,595583E+21	4,832213E+21	2,280206E+21	5,129175E+20	3,976053E+18	0,000000E+00	0,000000E+00	3,975644E+18	5,128606E+20
-2066	2,280151E+21	4,832125E+21	6,595408E+21	6,595223E+21	4,831708E+21	2,279865E+21	5,127807E+20	3,975025E+18	0,000000E+00	0,000000E+00	3,976658E+18	5,129217E+20
-2065	2,280038E+21	4,831710E+21	6,594930E+21	6,595008E+21	4,831811E+21	2,280069E+21	5,129273E+20	3,977753E+18	0,000000E+00	0,000000E+00	3,977432E+18	5,128001E+20

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	2,279813E+21	4,831560E+21	6,594948E+21	6,594933E+21	4,831616E+21	2,279951E+21	5,129080E+20	3,980867E+18	0,000000E+00	0,000000E+00	3,981353E+18	5,129595E+20
-2063	2,280080E+21	4,831723E+21	6,594850E+21	6,594648E+21	4,831295E+21	2,279757E+21	5,128227E+20	3,978890E+18	0,000000E+00	0,000000E+00	3,980860E+18	5,129232E+20
-2062	2,279847E+21	4,831240E+21	6,594523E+21	6,594760E+21	4,831667E+21	2,280068E+21	5,129816E+20	3,981244E+18	0,000000E+00	0,000000E+00	3,980580E+18	5,128549E+20
-2061	2,279876E+21	4,831536E+21	6,594787E+21	6,594744E+21	4,831437E+21	2,279841E+21	5,128622E+20	3,980701E+18	0,000000E+00	0,000000E+00	3,982466E+18	5,129955E+20
-2060	2,280097E+21	4,831673E+21	6,594721E+21	6,594603E+21	4,831429E+21	2,279888E+21	5,128624E+20	3,978217E+18	0,000000E+00	0,000000E+00	3,977874E+18	5,128436E+20
-2059	2,279782E+21	4,831354E+21	6,594780E+21	6,594961E+21	4,831776E+21	2,280103E+21	5,129739E+20	3,979576E+18	0,000000E+00	0,000000E+00	3,978103E+18	5,128508E+20
-2058	2,280008E+21	4,831851E+21	6,595146E+21	6,595052E+21	4,831598E+21	2,279837E+21	5,128024E+20	3,977778E+18	0,000000E+00	0,000000E+00	3,978233E+18	5,129394E+20
-2057	2,280056E+21	4,831784E+21	6,595047E+21	6,595142E+21	4,831925E+21	2,280077E+21	5,128765E+20	3,974332E+18	0,000000E+00	0,000000E+00	3,973299E+18	5,127827E+20
-2056	2,279885E+21	4,831805E+21	6,595346E+21	6,595420E+21	4,832047E+21	2,280109E+21	5,128861E+20	3,975428E+18	0,000000E+00	0,000000E+00	3,976151E+18	5,128947E+20
-2055	2,280242E+21	4,832294E+21	6,595620E+21	6,595442E+21	4,831866E+21	2,279895E+21	5,127397E+20	3,971731E+18	0,000000E+00	0,000000E+00	3,972293E+18	5,128687E+20
-2054	2,280103E+21	4,832059E+21	6,595498E+21	6,595675E+21	4,832331E+21	2,280223E+21	5,128840E+20	3,970947E+18	0,000000E+00	0,000000E+00	3,971052E+18	5,127474E+20
-2053	2,280013E+21	4,832252E+21	6,595851E+21	6,595793E+21	4,832203E+21	2,280078E+21	5,128167E+20	3,973829E+18	0,000000E+00	0,000000E+00	3,973926E+18	5,128934E+20
-2052	2,280236E+21	4,832369E+21	6,595767E+21	6,595611E+21	4,832051E+21	2,279995E+21	5,127669E+20	3,970216E+18	0,000000E+00	0,000000E+00	3,970792E+18	5,127992E+20
-2051	2,279930E+21	4,831825E+21	6,595416E+21	6,595653E+21	4,832296E+21	2,280244E+21	5,129338E+20	3,974827E+18	0,000000E+00	0,000000E+00	3,974628E+18	5,127974E+20
-2050	2,280028E+21	4,832056E+21	6,595471E+21	6,595427E+21	4,831901E+21	2,279940E+21	5,127954E+20	3,975770E+18	0,000000E+00	0,000000E+00	3,976783E+18	5,129453E+20
-2049	2,280132E+21	4,831893E+21	6,595043E+21	6,595023E+21	4,831794E+21	2,280010E+21	5,128602E+20	3,974878E+18	0,000000E+00	0,000000E+00	3,976301E+18	5,128212E+20
-2048	2,279834E+21	4,831506E+21	6,594865E+21	6,594909E+21	4,831701E+21	2,280059E+21	5,129580E+20	3,980960E+18	0,000000E+00	0,000000E+00	3,980684E+18	5,129062E+20
-2047	2,280040E+21	4,831740E+21	6,594888E+21	6,594653E+21	4,831222E+21	2,279700E+21	5,128114E+20	3,979532E+18	0,000000E+00	0,000000E+00	3,981667E+18	5,129669E+20
-2046	2,279922E+21	4,831285E+21	6,594367E+21	6,594488E+21	4,831428E+21	2,279954E+21	5,129627E+20	3,982365E+18	0,000000E+00	0,000000E+00	3,982545E+18	5,128526E+20
-2045	2,279703E+21	4,831154E+21	6,594429E+21	6,594449E+21	4,831271E+21	2,279861E+21	5,129486E+20	3,985243E+18	0,000000E+00	0,000000E+00	3,985924E+18	5,130059E+20
-2044	2,279996E+21	4,831351E+21	6,594323E+21	6,594159E+21	4,830964E+21	2,279676E+21	5,128591E+20	3,982881E+18	0,000000E+00	0,000000E+00	3,984811E+18	5,129561E+20
-2043	2,279752E+21	4,830878E+21	6,593958E+21	6,594189E+21	4,831290E+21	2,279989E+21	5,130288E+20	3,985438E+18	0,000000E+00	0,000000E+00	3,983943E+18	5,128761E+20
-2042	2,279758E+21	4,831194E+21	6,594316E+21	6,594248E+21	4,831087E+21	2,279763E+21	5,129093E+20	3,985130E+18	0,000000E+00	0,000000E+00	3,986035E+18	5,130159E+20
-2041	2,279965E+21	4,831288E+21	6,594254E+21	6,594175E+21	4,831113E+21	2,279802E+21	5,129018E+20	3,982437E+18	0,000000E+00	0,000000E+00	3,981563E+18	5,128771E+20
-2040	2,279695E+21	4,831018E+21	6,594291E+21	6,594471E+21	4,831425E+21	2,279996E+21	5,130000E+20	3,983090E+18	0,000000E+00	0,000000E+00	3,982263E+18	5,128962E+20
-2039	2,279938E+21	4,831547E+21	6,594716E+21	6,594609E+21	4,831247E+21	2,279716E+21	5,128167E+20	3,980596E+18	0,000000E+00	0,000000E+00	3,981982E+18	5,129857E+20
-2038	2,280012E+21	4,831505E+21	6,594611E+21	6,594718E+21	4,831624E+21	2,279988E+21	5,128981E+20	3,977283E+18	0,000000E+00	0,000000E+00	3,976899E+18	5,128216E+20
-2037	2,279827E+21	4,831563E+21	6,594997E+21	6,595039E+21	4,831764E+21	2,280036E+21	5,129201E+20	3,978930E+18	0,000000E+00	0,000000E+00	3,979258E+18	5,129165E+20
-2036	2,280158E+21	4,832029E+21	6,595268E+21	6,595069E+21	4,831576E+21	2,279819E+21	5,127760E+20	3,975461E+18	0,000000E+00	0,000000E+00	3,975404E+18	5,128820E+20
-2035	2,279967E+21	4,831682E+21	6,595004E+21	6,595199E+21	4,831991E+21	2,280142E+21	5,129343E+20	3,975630E+18	0,000000E+00	0,000000E+00	3,974935E+18	5,127731E+20
-2034	2,279861E+21	4,831809E+21	6,595293E+21	6,595295E+21	4,831878E+21	2,279999E+21	5,128646E+20	3,978693E+18	0,000000E+00	0,000000E+00	3,978608E+18	5,129358E+20
-2033	2,280108E+21	4,831894E+21	6,595129E+21	6,595040E+21	4,831679E+21	2,279903E+21	5,128102E+20	3,974954E+18	0,000000E+00	0,000000E+00	3,975909E+18	5,128589E+20
-2032	2,279867E+21	4,831432E+21	6,594755E+21	6,594957E+21	4,831811E+21	2,280108E+21	5,129682E+20	3,979306E+18	0,000000E+00	0,000000E+00	3,979770E+18	5,128543E+20
-2031	2,279956E+21	4,831699E+21	6,594904E+21	6,594785E+21	4,831393E+21	2,279777E+21	5,128228E+20	3,979793E+18	0,000000E+00	0,000000E+00	3,981440E+18	5,129893E+20
-2030	2,280040E+21	4,831526E+21	6,594514E+21	6,594455E+21	4,831347E+21	2,279874E+21	5,128963E+20	3,979569E+18	0,000000E+00	0,000000E+00	3,981117E+18	5,128611E+20
-2029	2,279709E+21	4,831126E+21	6,594404E+21	6,594432E+21	4,831314E+21	2,279941E+21	5,129995E+20	3,985786E+18	0,000000E+00	0,000000E+00	3,985238E+18	5,129433E+20

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	2,279913E+21	4,831325E+21	6,594365E+21	6,594177E+21	4,830882E+21	2,279606E+21	5,128514E+20	3,984098E+18	0,000000E+00	0,000000E+00	3,986370E+18	5,130050E+20
-2027	2,279793E+21	4,830836E+21	6,593747E+21	6,593905E+21	4,831049E+21	2,279874E+21	5,130134E+20	3,987202E+18	0,000000E+00	0,000000E+00	3,987043E+18	5,128960E+20
-2026	2,279590E+21	4,830729E+21	6,593831E+21	6,593889E+21	4,830914E+21	2,279786E+21	5,129991E+20	3,989931E+18	0,000000E+00	0,000000E+00	3,990281E+18	5,130417E+20
-2025	2,279886E+21	4,830943E+21	6,593747E+21	6,593606E+21	4,830602E+21	2,279599E+21	5,129080E+20	3,987598E+18	0,000000E+00	0,000000E+00	3,988911E+18	5,129923E+20
-2024	2,279668E+21	4,830543E+21	6,593434E+21	6,593599E+21	4,830854E+21	2,279870E+21	5,130671E+20	3,989678E+18	0,000000E+00	0,000000E+00	3,987972E+18	5,129099E+20
-2023	2,279646E+21	4,830831E+21	6,593854E+21	6,593762E+21	4,830682E+21	2,279624E+21	5,129346E+20	3,988874E+18	0,000000E+00	0,000000E+00	3,989965E+18	5,130512E+20
-2022	2,279866E+21	4,830925E+21	6,593779E+21	6,593738E+21	4,830797E+21	2,279702E+21	5,129268E+20	3,986012E+18	0,000000E+00	0,000000E+00	3,985614E+18	5,129231E+20
-2021	2,279622E+21	4,830724E+21	6,593895E+21	6,594061E+21	4,831125E+21	2,279908E+21	5,130263E+20	3,986392E+18	0,000000E+00	0,000000E+00	3,985867E+18	5,129355E+20
-2020	2,279888E+21	4,831279E+21	6,594315E+21	6,594207E+21	4,830971E+21	2,279645E+21	5,128443E+20	3,983765E+18	0,000000E+00	0,000000E+00	3,984983E+18	5,130077E+20
-2019	2,279932E+21	4,831226E+21	6,594182E+21	6,594259E+21	4,831310E+21	2,279918E+21	5,129378E+20	3,980977E+18	0,000000E+00	0,000000E+00	3,979924E+18	5,128402E+20
-2018	2,279716E+21	4,831245E+21	6,594585E+21	6,594630E+21	4,831475E+21	2,279969E+21	5,129647E+20	3,983211E+18	0,000000E+00	0,000000E+00	3,982707E+18	5,129323E+20
-2017	2,280015E+21	4,831625E+21	6,594793E+21	6,594656E+21	4,831290E+21	2,279746E+21	5,128177E+20	3,979829E+18	0,000000E+00	0,000000E+00	3,979517E+18	5,129194E+20
-2016	2,279866E+21	4,831295E+21	6,594446E+21	6,594636E+21	4,831600E+21	2,280032E+21	5,129665E+20	3,979715E+18	0,000000E+00	0,000000E+00	3,979804E+18	5,128266E+20
-2015	2,279769E+21	4,831410E+21	6,594736E+21	6,594727E+21	4,831448E+21	2,279865E+21	5,128877E+20	3,982218E+18	0,000000E+00	0,000000E+00	3,983265E+18	5,129898E+20
-2014	2,280041E+21	4,831524E+21	6,594556E+21	6,594463E+21	4,831273E+21	2,279787E+21	5,128400E+20	3,978841E+18	0,000000E+00	0,000000E+00	3,980691E+18	5,129117E+20
-2013	2,279798E+21	4,831122E+21	6,594281E+21	6,594401E+21	4,831390E+21	2,279989E+21	5,130047E+20	3,983685E+18	0,000000E+00	0,000000E+00	3,984018E+18	5,128907E+20
-2012	2,279862E+21	4,831360E+21	6,594439E+21	6,594274E+21	4,830994E+21	2,279664E+21	5,128648E+20	3,984415E+18	0,000000E+00	0,000000E+00	3,985645E+18	5,130145E+20
-2011	2,279894E+21	4,831089E+21	6,593950E+21	6,593899E+21	4,830939E+21	2,279767E+21	5,129495E+20	3,985099E+18	0,000000E+00	0,000000E+00	3,985875E+18	5,128986E+20
-2010	2,279558E+21	4,830642E+21	6,593792E+21	6,593892E+21	4,830960E+21	2,279855E+21	5,130530E+20	3,991255E+18	0,000000E+00	0,000000E+00	3,990254E+18	5,129860E+20
-2009	2,279778E+21	4,830831E+21	6,593714E+21	6,593595E+21	4,830512E+21	2,279528E+21	5,129050E+20	3,989370E+18	0,000000E+00	0,000000E+00	3,991581E+18	5,130591E+20
-2008	2,279710E+21	4,830426E+21	6,593100E+21	6,593223E+21	4,830587E+21	2,279760E+21	5,130567E+20	3,991894E+18	0,000000E+00	0,000000E+00	3,991779E+18	5,129433E+20
-2007	2,279496E+21	4,830350E+21	6,593291E+21	6,593294E+21	4,830454E+21	2,279652E+21	5,130317E+20	3,993871E+18	0,000000E+00	0,000000E+00	3,994439E+18	5,130744E+20
-2006	2,279780E+21	4,830573E+21	6,593245E+21	6,593090E+21	4,830210E+21	2,279484E+21	5,129414E+20	3,991758E+18	0,000000E+00	0,000000E+00	3,993071E+18	5,130263E+20
-2005	2,279554E+21	4,830200E+21	6,593015E+21	6,593161E+21	4,830511E+21	2,279759E+21	5,130950E+20	3,993411E+18	0,000000E+00	0,000000E+00	3,991744E+18	5,129452E+20
-2004	2,279558E+21	4,830497E+21	6,593424E+21	6,593351E+21	4,830387E+21	2,279536E+21	5,129586E+20	3,992232E+18	0,000000E+00	0,000000E+00	3,993616E+18	5,130841E+20
-2003	2,279781E+21	4,830584E+21	6,593299E+21	6,593268E+21	4,830480E+21	2,279626E+21	5,129604E+20	3,989569E+18	0,000000E+00	0,000000E+00	3,989075E+18	5,129605E+20
-2002	2,279556E+21	4,830422E+21	6,593451E+21	6,593642E+21	4,830856E+21	2,279846E+21	5,130626E+20	3,990021E+18	0,000000E+00	0,000000E+00	3,989202E+18	5,129609E+20
-2001	2,279807E+21	4,830980E+21	6,593892E+21	6,593781E+21	4,830693E+21	2,279591E+21	5,128873E+20	3,987736E+18	0,000000E+00	0,000000E+00	3,988331E+18	5,130339E+20
-2000	2,279852E+21	4,830938E+21	6,593758E+21	6,593767E+21	4,830939E+21	2,279817E+21	5,129724E+20	3,984788E+18	0,000000E+00	0,000000E+00	3,983757E+18	5,128721E+20
-1999	2,279604E+21	4,830879E+21	6,594141E+21	6,594185E+21	4,831110E+21	2,279847E+21	5,129893E+20	3,986791E+18	0,000000E+00	0,000000E+00	3,986850E+18	5,129693E+20
-1998	2,279908E+21	4,831226E+21	6,594269E+21	6,594174E+21	4,830957E+21	2,279648E+21	5,128450E+20	3,983548E+18	0,000000E+00	0,000000E+00	3,984144E+18	5,129715E+20
-1997	2,279790E+21	4,830956E+21	6,593964E+21	6,594114E+21	4,831224E+21	2,279927E+21	5,129962E+20	3,983535E+18	0,000000E+00	0,000000E+00	3,984164E+18	5,128746E+20
-1996	2,279712E+21	4,831082E+21	6,594232E+21	6,594190E+21	4,831068E+21	2,279765E+21	5,129223E+20	3,986168E+18	0,000000E+00	0,000000E+00	3,987042E+18	5,130169E+20
-1995	2,279938E+21	4,831162E+21	6,594026E+21	6,593880E+21	4,830853E+21	2,279687E+21	5,128910E+20	3,983772E+18	0,000000E+00	0,000000E+00	3,984743E+18	5,129391E+20
-1994	2,279665E+21	4,830712E+21	6,593763E+21	6,593893E+21	4,831016E+21	2,279890E+21	5,130573E+20	3,989137E+18	0,000000E+00	0,000000E+00	3,988414E+18	5,129154E+20
-1993	2,279700E+21	4,830874E+21	6,593857E+21	6,593756E+21	4,830641E+21	2,279581E+21	5,129202E+20	3,989881E+18	0,000000E+00	0,000000E+00	3,990804E+18	5,130611E+20

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	2,279773E+21	4,830626E+21	6,593313E+21	6,593259E+21	4,830493E+21	2,279649E+21	5,129928E+20	3,990215E+18	0,000000E+00	0,000000E+00	3,991521E+18	5,129597E+20
-1991	2,279453E+21	4,830178E+21	6,593161E+21	6,593268E+21	4,830499E+21	2,279723E+21	5,130863E+20	3,995498E+18	0,000000E+00	0,000000E+00	3,995388E+18	5,130388E+20
-1990	2,279688E+21	4,830411E+21	6,593094E+21	6,592986E+21	4,830095E+21	2,279420E+21	5,129429E+20	3,993750E+18	0,000000E+00	0,000000E+00	3,996603E+18	5,131084E+20
-1989	2,279627E+21	4,830097E+21	6,592613E+21	6,592642E+21	4,830149E+21	2,279642E+21	5,130940E+20	3,996204E+18	0,000000E+00	0,000000E+00	3,995888E+18	5,129789E+20
-1988	2,279398E+21	4,829991E+21	6,592815E+21	6,592788E+21	4,830063E+21	2,279540E+21	5,130676E+20	3,998014E+18	0,000000E+00	0,000000E+00	3,998192E+18	5,130949E+20
-1987	2,279644E+21	4,830157E+21	6,592716E+21	6,592585E+21	4,829848E+21	2,279386E+21	5,129827E+20	3,996287E+18	0,000000E+00	0,000000E+00	3,997110E+18	5,130641E+20
-1986	2,279447E+21	4,829802E+21	6,592492E+21	6,592705E+21	4,830210E+21	2,279677E+21	5,131312E+20	3,997567E+18	0,000000E+00	0,000000E+00	3,995673E+18	5,129826E+20
-1985	2,279475E+21	4,830135E+21	6,592919E+21	6,592887E+21	4,830095E+21	2,279476E+21	5,129998E+20	3,996253E+18	0,000000E+00	0,000000E+00	3,997552E+18	5,131270E+20
-1984	2,279736E+21	4,830309E+21	6,592843E+21	6,592747E+21	4,830106E+21	2,279528E+21	5,129910E+20	3,993104E+18	0,000000E+00	0,000000E+00	3,992642E+18	5,129945E+20
-1983	2,279487E+21	4,830151E+21	6,593077E+21	6,593204E+21	4,830492E+21	2,279737E+21	5,130868E+20	3,993128E+18	0,000000E+00	0,000000E+00	3,992502E+18	5,129810E+20
-1982	2,279706E+21	4,830671E+21	6,593505E+21	6,593400E+21	4,830398E+21	2,279506E+21	5,129164E+20	3,991237E+18	0,000000E+00	0,000000E+00	3,991976E+18	5,130600E+20
-1981	2,279743E+21	4,830630E+21	6,593388E+21	6,593376E+21	4,830638E+21	2,279726E+21	5,129979E+20	3,988077E+18	0,000000E+00	0,000000E+00	3,987542E+18	5,129094E+20
-1980	2,279520E+21	4,830527E+21	6,593682E+21	6,593756E+21	4,830814E+21	2,279768E+21	5,130164E+20	3,990170E+18	0,000000E+00	0,000000E+00	3,990573E+18	5,130008E+20
-1979	2,279807E+21	4,830839E+21	6,593728E+21	6,593651E+21	4,830607E+21	2,279569E+21	5,128857E+20	3,987536E+18	0,000000E+00	0,000000E+00	3,988140E+18	5,130138E+20
-1978	2,279712E+21	4,830593E+21	6,593429E+21	6,593600E+21	4,830877E+21	2,279840E+21	5,130400E+20	3,988106E+18	0,000000E+00	0,000000E+00	3,988204E+18	5,129048E+20
-1977	2,279611E+21	4,830714E+21	6,593711E+21	6,593646E+21	4,830686E+21	2,279684E+21	5,129774E+20	3,991275E+18	0,000000E+00	0,000000E+00	3,991389E+18	5,130518E+20
-1976	2,279828E+21	4,830770E+21	6,593483E+21	6,593278E+21	4,830383E+21	2,279554E+21	5,129370E+20	3,988988E+18	0,000000E+00	0,000000E+00	3,989800E+18	5,129826E+20
-1975	2,279533E+21	4,830256E+21	6,593197E+21	6,593334E+21	4,830569E+21	2,279750E+21	5,130911E+20	3,993857E+18	0,000000E+00	0,000000E+00	3,993752E+18	5,129665E+20
-1974	2,279582E+21	4,830403E+21	6,593219E+21	6,593162E+21	4,830234E+21	2,279471E+21	5,129587E+20	3,994561E+18	0,000000E+00	0,000000E+00	3,996520E+18	5,131216E+20
-1973	2,279683E+21	4,830227E+21	6,592735E+21	6,592645E+21	4,830052E+21	2,279531E+21	5,130294E+20	3,994720E+18	0,000000E+00	0,000000E+00	3,996639E+18	5,130159E+20
-1972	2,279386E+21	4,829799E+21	6,592591E+21	6,592679E+21	4,830078E+21	2,279611E+21	5,131229E+20	3,999703E+18	0,000000E+00	0,000000E+00	3,999536E+18	5,130662E+20
-1971	2,279563E+21	4,830001E+21	6,592527E+21	6,592384E+21	4,829660E+21	2,279317E+21	5,129937E+20	3,998704E+18	0,000000E+00	0,000000E+00	4,000759E+18	5,131366E+20
-1970	2,279491E+21	4,829670E+21	6,592078E+21	6,592145E+21	4,829780E+21	2,279540E+21	5,131408E+20	4,001222E+18	0,000000E+00	0,000000E+00	3,999833E+18	5,130028E+20
-1969	2,279258E+21	4,829555E+21	6,592264E+21	6,592289E+21	4,829726E+21	2,279463E+21	5,131162E+20	4,002746E+18	0,000000E+00	0,000000E+00	4,002598E+18	5,131360E+20
-1968	2,279547E+21	4,829770E+21	6,592167E+21	6,592023E+21	4,829449E+21	2,279279E+21	5,130169E+20	4,000436E+18	0,000000E+00	0,000000E+00	4,001557E+18	5,131148E+20
-1967	2,279380E+21	4,829462E+21	6,592014E+21	6,592218E+21	4,829832E+21	2,279562E+21	5,131515E+20	4,000674E+18	0,000000E+00	0,000000E+00	3,999658E+18	5,130252E+20
-1966	2,279422E+21	4,829848E+21	6,592470E+21	6,592436E+21	4,829781E+21	2,279396E+21	5,130289E+20	3,999616E+18	0,000000E+00	0,000000E+00	4,001390E+18	5,131610E+20
-1965	2,279671E+21	4,830090E+21	6,592525E+21	6,592344E+21	4,829776E+21	2,279436E+21	5,130192E+20	3,996384E+18	0,000000E+00	0,000000E+00	3,995846E+18	5,130204E+20
-1964	2,279403E+21	4,829863E+21	6,592721E+21	6,592847E+21	4,830200E+21	2,279650E+21	5,131157E+20	3,996547E+18	0,000000E+00	0,000000E+00	3,995593E+18	5,129919E+20
-1963	2,279562E+21	4,830276E+21	6,593034E+21	6,592982E+21	4,830109E+21	2,279436E+21	5,129568E+20	3,995311E+18	0,000000E+00	0,000000E+00	3,995648E+18	5,130922E+20
-1962	2,279633E+21	4,830226E+21	6,592863E+21	6,592934E+21	4,830351E+21	2,279656E+21	5,130381E+20	3,992209E+18	0,000000E+00	0,000000E+00	3,991445E+18	5,129460E+20
-1961	2,279432E+21	4,830144E+21	6,593121E+21	6,593234E+21	4,830485E+21	2,279708E+21	5,130650E+20	3,994577E+18	0,000000E+00	0,000000E+00	3,994756E+18	5,130444E+20
-1960	2,279743E+21	4,830509E+21	6,593186E+21	6,593045E+21	4,830167E+21	2,279455E+21	5,129254E+20	3,991807E+18	0,000000E+00	0,000000E+00	3,992464E+18	5,130562E+20
-1959	2,279629E+21	4,830253E+21	6,592946E+21	6,593054E+21	4,830420E+21	2,279698E+21	5,130688E+20	3,992244E+18	0,000000E+00	0,000000E+00	3,992670E+18	5,129394E+20
-1958	2,279496E+21	4,830323E+21	6,593200E+21	6,593147E+21	4,830295E+21	2,279566E+21	5,130131E+20	3,995765E+18	0,000000E+00	0,000000E+00	3,996343E+18	5,130943E+20
-1957	2,279714E+21	4,830398E+21	6,592999E+21	6,592767E+21	4,829978E+21	2,279427E+21	5,129674E+20	3,993307E+18	0,000000E+00	0,000000E+00	3,995004E+18	5,130371E+20

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												
-1956	2,279441E+21	4,829842E+21	6,592631E+21	6,592790E+21	4,830178E+21	2,279643E+21	5,131245E+20	3,998111E+18	0,000000E+00	0,000000E+00	3,998426E+18	5,130065E+20
-1955	2,279459E+21	4,829950E+21	6,592590E+21	6,592561E+21	4,829831E+21	2,279383E+21	5,130090E+20	3,999324E+18	0,000000E+00	0,000000E+00	4,001285E+18	5,131667E+20
-1954	2,279583E+21	4,829801E+21	6,592121E+21	6,592067E+21	4,829661E+21	2,279442E+21	5,130836E+20	3,999970E+18	0,000000E+00	0,000000E+00	4,001000E+18	5,130467E+20
-1953	2,279265E+21	4,829379E+21	6,591997E+21	6,592085E+21	4,829668E+21	2,279529E+21	5,131840E+20	4,005083E+18	0,000000E+00	0,000000E+00	4,003963E+18	5,130991E+20
-1952	2,279428E+21	4,829565E+21	6,591939E+21	6,591768E+21	4,829186E+21	2,279182E+21	5,130403E+20	4,003930E+18	0,000000E+00	0,000000E+00	4,005625E+18	5,131796E+20
-1951	2,279366E+21	4,829224E+21	6,591509E+21	6,591588E+21	4,829339E+21	2,279396E+21	5,131670E+20	4,005462E+18	0,000000E+00	0,000000E+00	4,004664E+18	5,130526E+20
-1950	2,279167E+21	4,829158E+21	6,591702E+21	6,591757E+21	4,829351E+21	2,279357E+21	5,131469E+20	4,006692E+18	0,000000E+00	0,000000E+00	4,007463E+18	5,131896E+20
-1949	2,279493E+21	4,829494E+21	6,591727E+21	6,591530E+21	4,829076E+21	2,279172E+21	5,130428E+20	4,003948E+18	0,000000E+00	0,000000E+00	4,005530E+18	5,131596E+20
-1948	2,279340E+21	4,829213E+21	6,591620E+21	6,591793E+21	4,829511E+21	2,279472E+21	5,131773E+20	4,003828E+18	0,000000E+00	0,000000E+00	4,002615E+18	5,130384E+20
-1947	2,279309E+21	4,829539E+21	6,592072E+21	6,592029E+21	4,829483E+21	2,279330E+21	5,130721E+20	4,003525E+18	0,000000E+00	0,000000E+00	4,004513E+18	5,131764E+20
-1946	2,279543E+21	4,829726E+21	6,592107E+21	6,592013E+21	4,829535E+21	2,279370E+21	5,130591E+20	4,000397E+18	0,000000E+00	0,000000E+00	3,999002E+18	5,130383E+20
-1945	2,279280E+21	4,829478E+21	6,592226E+21	6,592435E+21	4,829943E+21	2,279601E+21	5,131596E+20	4,000566E+18	0,000000E+00	0,000000E+00	3,999558E+18	5,130307E+20
-1944	2,279463E+21	4,829891E+21	6,592487E+21	6,592446E+21	4,829735E+21	2,279339E+21	5,129903E+20	3,999104E+18	0,000000E+00	0,000000E+00	3,999831E+18	5,131410E+20
-1943	2,279568E+21	4,829886E+21	6,592352E+21	6,592409E+21	4,829949E+21	2,279535E+21	5,130592E+20	3,995460E+18	0,000000E+00	0,000000E+00	3,995685E+18	5,129933E+20
-1942	2,279383E+21	4,829855E+21	6,592626E+21	6,592698E+21	4,830094E+21	2,279601E+21	5,130972E+20	3,998443E+18	0,000000E+00	0,000000E+00	3,999083E+18	5,130841E+20
-1941	2,279672E+21	4,830256E+21	6,592786E+21	6,592543E+21	4,829751E+21	2,279329E+21	5,129572E+20	3,995767E+18	0,000000E+00	0,000000E+00	3,996645E+18	5,130946E+20
-1940	2,279539E+21	4,829917E+21	6,592503E+21	6,592609E+21	4,830049E+21	2,279574E+21	5,130975E+20	3,996456E+18	0,000000E+00	0,000000E+00	3,996855E+18	5,129666E+20
-1939	2,279348E+21	4,829872E+21	6,592633E+21	6,592635E+21	4,829938E+21	2,279475E+21	5,130598E+20	4,000595E+18	0,000000E+00	0,000000E+00	4,001084E+18	5,131378E+20
-1938	2,279590E+21	4,829926E+21	6,592383E+21	6,592247E+21	4,829629E+21	2,279345E+21	5,130188E+20	3,998489E+18	0,000000E+00	0,000000E+00	3,999835E+18	5,130791E+20
-1937	2,279332E+21	4,829401E+21	6,591979E+21	6,592177E+21	4,829786E+21	2,279574E+21	5,131868E+20	4,003558E+18	0,000000E+00	0,000000E+00	4,003230E+18	5,130494E+20
-1936	2,279339E+21	4,829516E+21	6,591946E+21	6,591874E+21	4,829336E+21	2,279263E+21	5,130639E+20	4,004671E+18	0,000000E+00	0,000000E+00	4,006079E+18	5,132040E+20
-1935	2,279453E+21	4,829364E+21	6,591536E+21	6,591446E+21	4,829163E+21	2,279297E+21	5,131234E+20	4,004922E+18	0,000000E+00	0,000000E+00	4,005906E+18	5,130848E+20
-1934	2,279131E+21	4,828932E+21	6,591394E+21	6,591505E+21	4,829235E+21	2,279400E+21	5,132227E+20	4,009848E+18	0,000000E+00	0,000000E+00	4,009109E+18	5,131461E+20
-1933	2,279317E+21	4,829184E+21	6,591406E+21	6,591216E+21	4,828766E+21	2,279050E+21	5,130686E+20	4,008132E+18	0,000000E+00	0,000000E+00	4,010659E+18	5,132379E+20
-1932	2,279299E+21	4,828867E+21	6,590995E+21	6,591087E+21	4,828965E+21	2,279278E+21	5,131878E+20	4,009025E+18	0,000000E+00	0,000000E+00	4,008746E+18	5,130919E+20
-1931	2,279078E+21	4,828804E+21	6,591195E+21	6,591268E+21	4,829016E+21	2,279277E+21	5,131861E+20	4,010567E+18	0,000000E+00	0,000000E+00	4,011362E+18	5,132267E+20
-1930	2,279419E+21	4,829176E+21	6,591282E+21	6,591122E+21	4,828792E+21	2,279107E+21	5,130878E+20	4,008222E+18	0,000000E+00	0,000000E+00	4,008725E+18	5,131777E+20
-1929	2,279235E+21	4,828899E+21	6,591192E+21	6,591374E+21	4,829225E+21	2,279423E+21	5,132300E+20	4,008116E+18	0,000000E+00	0,000000E+00	4,005992E+18	5,130595E+20
-1928	2,279174E+21	4,829163E+21	6,591599E+21	6,591568E+21	4,829139E+21	2,279236E+21	5,131120E+20	4,007724E+18	0,000000E+00	0,000000E+00	4,008338E+18	5,132079E+20
-1927	2,279429E+21	4,829335E+21	6,591599E+21	6,591536E+21	4,829181E+21	2,279261E+21	5,130811E+20	4,003756E+18	0,000000E+00	0,000000E+00	4,003133E+18	5,130839E+20
-1926	2,279205E+21	4,829126E+21	6,591682E+21	6,591919E+21	4,829599E+21	2,279507E+21	5,131863E+20	4,003974E+18	0,000000E+00	0,000000E+00	4,003961E+18	5,130817E+20
-1925	2,279423E+21	4,829647E+21	6,592052E+21	6,591942E+21	4,829352E+21	2,279223E+21	5,130121E+20	4,002293E+18	0,000000E+00	0,000000E+00	4,003702E+18	5,131873E+20
-1924	2,279533E+21	4,829652E+21	6,591957E+21	6,591950E+21	4,829579E+21	2,279416E+21	5,130800E+20	3,998807E+18	0,000000E+00	0,000000E+00	3,998930E+18	5,130111E+20
-1923	2,279268E+21	4,829535E+21	6,592212E+21	6,592263E+21	4,829754E+21	2,279508E+21	5,131391E+20	4,002742E+18	0,000000E+00	0,000000E+00	4,002754E+18	5,131072E+20
-1922	2,279540E+21	4,829861E+21	6,592323E+21	6,592161E+21	4,829463E+21	2,279249E+21	5,130039E+20	4,000518E+18	0,000000E+00	0,000000E+00	4,000593E+18	5,131194E+20
-1921	2,279401E+21	4,829489E+21	6,591944E+21	6,592119E+21	4,829736E+21	2,279516E+21	5,131524E+20	4,001501E+18	0,000000E+00	0,000000E+00	4,001639E+18	5,130118E+20

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°
-1920	2,279216E+21	4,829403E+21	6,591992E+21	6,592021E+21	4,829514E+21	2,279373E+21	5,131087E+20	4,005504E+18	0,000000E+00	0,000000E+00	4,006115E+18	5,131881E+20
-1919	2,279485E+21	4,829481E+21	6,591737E+21	6,591607E+21	4,829169E+21	2,279220E+21	5,130571E+20	4,003072E+18	0,000000E+00	0,000000E+00	4,005165E+18	5,131319E+20
-1918	2,279241E+21	4,828999E+21	6,591341E+21	6,591511E+21	4,829318E+21	2,279455E+21	5,132327E+20	4,008582E+18	0,000000E+00	0,000000E+00	4,008435E+18	5,130969E+20
-1917	2,279233E+21	4,829149E+21	6,591406E+21	6,591254E+21	4,828838E+21	2,279111E+21	5,131018E+20	4,009467E+18	0,000000E+00	0,000000E+00	4,011174E+18	5,132522E+20
-1916	2,279345E+21	4,828953E+21	6,590983E+21	6,590891E+21	4,828719E+21	2,279144E+21	5,131509E+20	4,009533E+18	0,000000E+00	0,000000E+00	4,010599E+18	5,131236E+20
-1915	2,278995E+21	4,828476E+21	6,590793E+21	6,590940E+21	4,828838E+21	2,279288E+21	5,132624E+20	4,014459E+18	0,000000E+00	0,000000E+00	4,013938E+18	5,131973E+20
-1914	2,279222E+21	4,828761E+21	6,590834E+21	6,590718E+21	4,828429E+21	2,278968E+21	5,131142E+20	4,012870E+18	0,000000E+00	0,000000E+00	4,014987E+18	5,132782E+20
-1913	2,279222E+21	4,828529E+21	6,590473E+21	6,590577E+21	4,828636E+21	2,279218E+21	5,132389E+20	4,013555E+18	0,000000E+00	0,000000E+00	4,012723E+18	5,131279E+20
-1912	2,278980E+21	4,828461E+21	6,590700E+21	6,590731E+21	4,828627E+21	2,279184E+21	5,132325E+20	4,014969E+18	0,000000E+00	0,000000E+00	4,015022E+18	5,132492E+20
-1911	2,279300E+21	4,828817E+21	6,590833E+21	6,590666E+21	4,828434E+21	2,279003E+21	5,131194E+20	4,012119E+18	0,000000E+00	0,000000E+00	4,012505E+18	5,132038E+20
-1910	2,279117E+21	4,828539E+21	6,590706E+21	6,590917E+21	4,828903E+21	2,279329E+21	5,132602E+20	4,011741E+18	0,000000E+00	0,000000E+00	4,010102E+18	5,130974E+20
-1909	2,279078E+21	4,828838E+21	6,591140E+21	6,591095E+21	4,828795E+21	2,279130E+21	5,131325E+20	4,010915E+18	0,000000E+00	0,000000E+00	4,012333E+18	5,132548E+20
-1908	2,279372E+21	4,829032E+21	6,591151E+21	6,591090E+21	4,828853E+21	2,279153E+21	5,130944E+20	4,006506E+18	0,000000E+00	0,000000E+00	4,006455E+18	5,131181E+20
-1907	2,279137E+21	4,828831E+21	6,591229E+21	6,591452E+21	4,829278E+21	2,279424E+21	5,132190E+20	4,007406E+18	0,000000E+00	0,000000E+00	4,007448E+18	5,131152E+20
-1906	2,279355E+21	4,829359E+21	6,591648E+21	6,591543E+21	4,829063E+21	2,279156E+21	5,130580E+20	4,006538E+18	0,000000E+00	0,000000E+00	4,006766E+18	5,132040E+20
-1905	2,279428E+21	4,829345E+21	6,591551E+21	6,591534E+21	4,829272E+21	2,279349E+21	5,131321E+20	4,003558E+18	0,000000E+00	0,000000E+00	4,002788E+18	5,130368E+20
-1904	2,279121E+21	4,829112E+21	6,591695E+21	6,591767E+21	4,829383E+21	2,279403E+21	5,131835E+20	4,007632E+18	0,000000E+00	0,000000E+00	4,007218E+18	5,131434E+20
-1903	2,279407E+21	4,829404E+21	6,591733E+21	6,591612E+21	4,829078E+21	2,279139E+21	5,130382E+20	4,004904E+18	0,000000E+00	0,000000E+00	4,005807E+18	5,131729E+20
-1902	2,279304E+21	4,829059E+21	6,591296E+21	6,591488E+21	4,829319E+21	2,279413E+21	5,131940E+20	4,006185E+18	0,000000E+00	0,000000E+00	4,007124E+18	5,130721E+20
-1901	2,279141E+21	4,829040E+21	6,591406E+21	6,591377E+21	4,829046E+21	2,279243E+21	5,131449E+20	4,009884E+18	0,000000E+00	0,000000E+00	4,011116E+18	5,132399E+20
-1900	2,279406E+21	4,829120E+21	6,591188E+21	6,591004E+21	4,828705E+21	2,279076E+21	5,130886E+20	4,007530E+18	0,000000E+00	0,000000E+00	4,009649E+18	5,131637E+20
-1899	2,279102E+21	4,828571E+21	6,590777E+21	6,590932E+21	4,828881E+21	2,279330E+21	5,132770E+20	4,013577E+18	0,000000E+00	0,000000E+00	4,013109E+18	5,131360E+20
-1898	2,279099E+21	4,828683E+21	6,590834E+21	6,590749E+21	4,828468E+21	2,279007E+21	5,131496E+20	4,014631E+18	0,000000E+00	0,000000E+00	4,015801E+18	5,132893E+20
-1897	2,279222E+21	4,828517E+21	6,590393E+21	6,590336E+21	4,828350E+21	2,279063E+21	5,132014E+20	4,014656E+18	0,000000E+00	0,000000E+00	4,015466E+18	5,131724E+20
-1896	2,278882E+21	4,828040E+21	6,590191E+21	6,590344E+21	4,828419E+21	2,279180E+21	5,133059E+20	4,019099E+18	0,000000E+00	0,000000E+00	4,018501E+18	5,132426E+20
-1895	2,279139E+21	4,828385E+21	6,590276E+21	6,590146E+21	4,828032E+21	2,278866E+21	5,131523E+20	4,017171E+18	0,000000E+00	0,000000E+00	4,019534E+18	5,133175E+20
-1894	2,279134E+21	4,828196E+21	6,589965E+21	6,590031E+21	4,828257E+21	2,279129E+21	5,132819E+20	4,017873E+18	0,000000E+00	0,000000E+00	4,016883E+18	5,131626E+20
-1893	2,278880E+21	4,828148E+21	6,590281E+21	6,590261E+21	4,828245E+21	2,279066E+21	5,132630E+20	4,018809E+18	0,000000E+00	0,000000E+00	4,019024E+18	5,132822E+20
-1892	2,279195E+21	4,828458E+21	6,590381E+21	6,590236E+21	4,828100E+21	2,278885E+21	5,131369E+20	4,015538E+18	0,000000E+00	0,000000E+00	4,016072E+18	5,132321E+20
-1891	2,279002E+21	4,828157E+21	6,590204E+21	6,590444E+21	4,828590E+21	2,279246E+21	5,132892E+20	4,015119E+18	0,000000E+00	0,000000E+00	4,013878E+18	5,131399E+20
-1890	2,279009E+21	4,828490E+21	6,590667E+21	6,590670E+21	4,828514E+21	2,279066E+21	5,131707E+20	4,014739E+18	0,000000E+00	0,000000E+00	4,015549E+18	5,132831E+20
-1889	2,279311E+21	4,828760E+21	6,590726E+21	6,590640E+21	4,828556E+21	2,279096E+21	5,131388E+20	4,010452E+18	0,000000E+00	0,000000E+00	4,009754E+18	5,131453E+20
-1888	2,279044E+21	4,828524E+21	6,590807E+21	6,590976E+21	4,828913E+21	2,279326E+21	5,132588E+20	4,011579E+18	0,000000E+00	0,000000E+00	4,010952E+18	5,131373E+20
-1887	2,279242E+21	4,829008E+21	6,591212E+21	6,591099E+21	4,828721E+21	2,279055E+21	5,130913E+20	4,010574E+18	0,000000E+00	0,000000E+00	4,010903E+18	5,132356E+20
-1886	2,279311E+21	4,828963E+21	6,591048E+21	6,591052E+21	4,828937E+21	2,279253E+21	5,131657E+20	4,007684E+18	0,000000E+00	0,000000E+00	4,007704E+18	5,130876E+20
-1885	2,279030E+21	4,828743E+21	6,591173E+21	6,591233E+21	4,828992E+21	2,279287E+21	5,132091E+20	4,011426E+18	0,000000E+00	0,000000E+00	4,012140E+18	5,131987E+20

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	2,279334E+21	4,829029E+21	6,591186E+21	6,591064E+21	4,828679E+21	2,279014E+21	5,130603E+20	4,008569E+18	0,000000E+00	0,000000E+00	4,010330E+18	5,132172E+20
-1883	2,279215E+21	4,828680E+21	6,590722E+21	6,590882E+21	4,828906E+21	2,279312E+21	5,132372E+20	4,010695E+18	0,000000E+00	0,000000E+00	4,011757E+18	5,131169E+20
-1882	2,279044E+21	4,828638E+21	6,590863E+21	6,590831E+21	4,828652E+21	2,279152E+21	5,132009E+20	4,015111E+18	0,000000E+00	0,000000E+00	4,015216E+18	5,132648E+20
-1881	2,279274E+21	4,828707E+21	6,590646E+21	6,590452E+21	4,828300E+21	2,278981E+21	5,131475E+20	4,013192E+18	0,000000E+00	0,000000E+00	4,014489E+18	5,132017E+20
-1880	2,278946E+21	4,828069E+21	6,590138E+21	6,590307E+21	4,828421E+21	2,279196E+21	5,133234E+20	4,019082E+18	0,000000E+00	0,000000E+00	4,018117E+18	5,131809E+20
-1879	2,278969E+21	4,828191E+21	6,590175E+21	6,590111E+21	4,828030E+21	2,278890E+21	5,131908E+20	4,019550E+18	0,000000E+00	0,000000E+00	4,021280E+18	5,133438E+20
-1878	2,279130E+21	4,828101E+21	6,589773E+21	6,589701E+21	4,827912E+21	2,278953E+21	5,132445E+20	4,019565E+18	0,000000E+00	0,000000E+00	4,020717E+18	5,132277E+20
-1877	2,278813E+21	4,827708E+21	6,589663E+21	6,589750E+21	4,827975E+21	2,279056E+21	5,133409E+20	4,023339E+18	0,000000E+00	0,000000E+00	4,022953E+18	5,132812E+20
-1876	2,279050E+21	4,828053E+21	6,589815E+21	6,589648E+21	4,827645E+21	2,278747E+21	5,131816E+20	4,021208E+18	0,000000E+00	0,000000E+00	4,023316E+18	5,133371E+20
-1875	2,278996E+21	4,827808E+21	6,589496E+21	6,589571E+21	4,827922E+21	2,279038E+21	5,133195E+20	4,021904E+18	0,000000E+00	0,000000E+00	4,020663E+18	5,131931E+20
-1874	2,278754E+21	4,827723E+21	6,589794E+21	6,589863E+21	4,827973E+21	2,278999E+21	5,133035E+20	4,022883E+18	0,000000E+00	0,000000E+00	4,022548E+18	5,133073E+20
-1873	2,279086E+21	4,828084E+21	6,589893E+21	6,589787E+21	4,827813E+21	2,278828E+21	5,131769E+20	4,019413E+18	0,000000E+00	0,000000E+00	4,019880E+18	5,132722E+20
-1872	2,278914E+21	4,827791E+21	6,589692E+21	6,589929E+21	4,828227E+21	2,279148E+21	5,133202E+20	4,018683E+18	0,000000E+00	0,000000E+00	4,017533E+18	5,131783E+20
-1871	2,278956E+21	4,828194E+21	6,590199E+21	6,590163E+21	4,828167E+21	2,278980E+21	5,132024E+20	4,018369E+18	0,000000E+00	0,000000E+00	4,019385E+18	5,133172E+20
-1870	2,279246E+21	4,828496E+21	6,590319E+21	6,590164E+21	4,828200E+21	2,279004E+21	5,131752E+20	4,014356E+18	0,000000E+00	0,000000E+00	4,013712E+18	5,131814E+20
-1869	2,278967E+21	4,828247E+21	6,590428E+21	6,590544E+21	4,828546E+21	2,279203E+21	5,132830E+20	4,015276E+18	0,000000E+00	0,000000E+00	4,015111E+18	5,131745E+20
-1868	2,279149E+21	4,828657E+21	6,590761E+21	6,590670E+21	4,828393E+21	2,278938E+21	5,131088E+20	4,014038E+18	0,000000E+00	0,000000E+00	4,014947E+18	5,132710E+20
-1867	2,279202E+21	4,828568E+21	6,590521E+21	6,590548E+21	4,828601E+21	2,279168E+21	5,131988E+20	4,011465E+18	0,000000E+00	0,000000E+00	4,012265E+18	5,131394E+20
-1866	2,278955E+21	4,828346E+21	6,590638E+21	6,590739E+21	4,828659E+21	2,279217E+21	5,132565E+20	4,015906E+18	0,000000E+00	0,000000E+00	4,016086E+18	5,132296E+20
-1865	2,279240E+21	4,828671E+21	6,590659E+21	6,590509E+21	4,828304E+21	2,278944E+21	5,131169E+20	4,013530E+18	0,000000E+00	0,000000E+00	4,014554E+18	5,132471E+20
-1864	2,279079E+21	4,828253E+21	6,590163E+21	6,590274E+21	4,828443E+21	2,279192E+21	5,132889E+20	4,016110E+18	0,000000E+00	0,000000E+00	4,016174E+18	5,131457E+20
-1863	2,278904E+21	4,828178E+21	6,590262E+21	6,590223E+21	4,828210E+21	2,279031E+21	5,132470E+20	4,020344E+18	0,000000E+00	0,000000E+00	4,020301E+18	5,133032E+20
-1862	2,279133E+21	4,828229E+21	6,590006E+21	6,589824E+21	4,827859E+21	2,278861E+21	5,131922E+20	4,018466E+18	0,000000E+00	0,000000E+00	4,020150E+18	5,132600E+20
-1861	2,278849E+21	4,827644E+21	6,589534E+21	6,589687E+21	4,827953E+21	2,279051E+21	5,133516E+20	4,023507E+18	0,000000E+00	0,000000E+00	4,023511E+18	5,132414E+20
-1860	2,278896E+21	4,827795E+21	6,589595E+21	6,589528E+21	4,827601E+21	2,278756E+21	5,132175E+20	4,023608E+18	0,000000E+00	0,000000E+00	4,026090E+18	5,133878E+20
-1859	2,279037E+21	4,827727E+21	6,589233E+21	6,589133E+21	4,827516E+21	2,278858E+21	5,132872E+20	4,024055E+18	0,000000E+00	0,000000E+00	4,025224E+18	5,132698E+20
-1858	2,278714E+21	4,827329E+21	6,589191E+21	6,589287E+21	4,827626E+21	2,278977E+21	5,133931E+20	4,028122E+18	0,000000E+00	0,000000E+00	4,026626E+18	5,132979E+20
-1857	2,278910E+21	4,827660E+21	6,589338E+21	6,589192E+21	4,827318E+21	2,278674E+21	5,132328E+20	4,026060E+18	0,000000E+00	0,000000E+00	4,027461E+18	5,133657E+20
-1856	2,278845E+21	4,827344E+21	6,588926E+21	6,589038E+21	4,827544E+21	2,278935E+21	5,133567E+20	4,026226E+18	0,000000E+00	0,000000E+00	4,024738E+18	5,132333E+20
-1855	2,278660E+21	4,827308E+21	6,589201E+21	6,589298E+21	4,827611E+21	2,278912E+21	5,133357E+20	4,026699E+18	0,000000E+00	0,000000E+00	4,026957E+18	5,133529E+20
-1854	2,279026E+21	4,827758E+21	6,589372E+21	6,589246E+21	4,827443E+21	2,278737E+21	5,132111E+20	4,023168E+18	0,000000E+00	0,000000E+00	4,024003E+18	5,133208E+20
-1853	2,278885E+21	4,827563E+21	6,589290E+21	6,589442E+21	4,827835E+21	2,279024E+21	5,133401E+20	4,021879E+18	0,000000E+00	0,000000E+00	4,021215E+18	5,132128E+20
-1852	2,278898E+21	4,827950E+21	6,589855E+21	6,589769E+21	4,827827E+21	2,278863E+21	5,132220E+20	4,021639E+18	0,000000E+00	0,000000E+00	4,022666E+18	5,133361E+20
-1851	2,279136E+21	4,828184E+21	6,589947E+21	6,589795E+21	4,827911E+21	2,278919E+21	5,132045E+20	4,017838E+18	0,000000E+00	0,000000E+00	4,017403E+18	5,132142E+20
-1850	2,278863E+21	4,827876E+21	6,590002E+21	6,590186E+21	4,828294E+21	2,279146E+21	5,133228E+20	4,019244E+18	0,000000E+00	0,000000E+00	4,018583E+18	5,131973E+20
-1849	2,279036E+21	4,828290E+21	6,590286E+21	6,590232E+21	4,828110E+21	2,278890E+21	5,131554E+20	4,018195E+18	0,000000E+00	0,000000E+00	4,018914E+18	5,133055E+20

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	2,279091E+21	4,828151E+21	6,589946E+21	6,589983E+21	4,828206E+21	2,279075E+21	5,132440E+20	4,015943E+18	0,000000E+00	0,000000E+00	4,016449E+18	5,131768E+20
-1847	2,278863E+21	4,827947E+21	6,590033E+21	6,590118E+21	4,828250E+21	2,279131E+21	5,133068E+20	4,020823E+18	0,000000E+00	0,000000E+00	4,020633E+18	5,132627E+20
-1846	2,279119E+21	4,828269E+21	6,590100E+21	6,589904E+21	4,827850E+21	2,278830E+21	5,131696E+20	4,018831E+18	0,000000E+00	0,000000E+00	4,019665E+18	5,132928E+20
-1845	2,278967E+21	4,827836E+21	6,589596E+21	6,589674E+21	4,827949E+21	2,279026E+21	5,133202E+20	4,021084E+18	0,000000E+00	0,000000E+00	4,021576E+18	5,131967E+20
-1844	2,278791E+21	4,827726E+21	6,589652E+21	6,589630E+21	4,827757E+21	2,278877E+21	5,132722E+20	4,024787E+18	0,000000E+00	0,000000E+00	4,025543E+18	5,133539E+20
-1843	2,279023E+21	4,827783E+21	6,589384E+21	6,589211E+21	4,827427E+21	2,278744E+21	5,132297E+20	4,023114E+18	0,000000E+00	0,000000E+00	4,025595E+18	5,133206E+20
-1842	2,278772E+21	4,827237E+21	6,588967E+21	6,589139E+21	4,827565E+21	2,278962E+21	5,134002E+20	4,028392E+18	0,000000E+00	0,000000E+00	4,027850E+18	5,132751E+20
-1841	2,278793E+21	4,827434E+21	6,589082E+21	6,588992E+21	4,827227E+21	2,278684E+21	5,132753E+20	4,028672E+18	0,000000E+00	0,000000E+00	4,030500E+18	5,134153E+20
-1840	2,278889E+21	4,827284E+21	6,588685E+21	6,588583E+21	4,827098E+21	2,278751E+21	5,133373E+20	4,029184E+18	0,000000E+00	0,000000E+00	4,029455E+18	5,132989E+20
-1839	2,278579E+21	4,826873E+21	6,588598E+21	6,588740E+21	4,827258E+21	2,278886E+21	5,134359E+20	4,032725E+18	0,000000E+00	0,000000E+00	4,031212E+18	5,133324E+20
-1838	2,278777E+21	4,827221E+21	6,588753E+21	6,588636E+21	4,826938E+21	2,278580E+21	5,132718E+20	4,030431E+18	0,000000E+00	0,000000E+00	4,032238E+18	5,134187E+20
-1837	2,278777E+21	4,826992E+21	6,588397E+21	6,588489E+21	4,827125E+21	2,278801E+21	5,133744E+20	4,029537E+18	0,000000E+00	0,000000E+00	4,029006E+18	5,132856E+20
-1836	2,278623E+21	4,827025E+21	6,588731E+21	6,588802E+21	4,827236E+21	2,278789E+21	5,133525E+20	4,029674E+18	0,000000E+00	0,000000E+00	4,030616E+18	5,133873E+20
-1835	2,278969E+21	4,827509E+21	6,588976E+21	6,588804E+21	4,827120E+21	2,278655E+21	5,132430E+20	4,026568E+18	0,000000E+00	0,000000E+00	4,027387E+18	5,133536E+20
-1834	2,278816E+21	4,827307E+21	6,588981E+21	6,589123E+21	4,827563E+21	2,278954E+21	5,133799E+20	4,025746E+18	0,000000E+00	0,000000E+00	4,024099E+18	5,132248E+20
-1833	2,278782E+21	4,827639E+21	6,589493E+21	6,589438E+21	4,827580E+21	2,278808E+21	5,132669E+20	4,025837E+18	0,000000E+00	0,000000E+00	4,026150E+18	5,133557E+20
-1832	2,278989E+21	4,827758E+21	6,589442E+21	6,589351E+21	4,827596E+21	2,278839E+21	5,132426E+20	4,021932E+18	0,000000E+00	0,000000E+00	4,021242E+18	5,132498E+20
-1831	2,278768E+21	4,827473E+21	6,589414E+21	6,589640E+21	4,827956E+21	2,279077E+21	5,133637E+20	4,023494E+18	0,000000E+00	0,000000E+00	4,023002E+18	5,132356E+20
-1830	2,278937E+21	4,827906E+21	6,589712E+21	6,589650E+21	4,827715E+21	2,278804E+21	5,132027E+20	4,022733E+18	0,000000E+00	0,000000E+00	4,023428E+18	5,133499E+20
-1829	2,279019E+21	4,827817E+21	6,589423E+21	6,589396E+21	4,827741E+21	2,278934E+21	5,132754E+20	4,020219E+18	0,000000E+00	0,000000E+00	4,021087E+18	5,132186E+20
-1828	2,278770E+21	4,827585E+21	6,589514E+21	6,589569E+21	4,827800E+21	2,278980E+21	5,133354E+20	4,025134E+18	0,000000E+00	0,000000E+00	4,025172E+18	5,132974E+20
-1827	2,278989E+21	4,827846E+21	6,589545E+21	6,589364E+21	4,827444E+21	2,278707E+21	5,132048E+20	4,023287E+18	0,000000E+00	0,000000E+00	4,024838E+18	5,133463E+20
-1826	2,278859E+21	4,827404E+21	6,589047E+21	6,589163E+21	4,827566E+21	2,278920E+21	5,133586E+20	4,025828E+18	0,000000E+00	0,000000E+00	4,026340E+18	5,132404E+20
-1825	2,278685E+21	4,827316E+21	6,589086E+21	6,589086E+21	4,827373E+21	2,278788E+21	5,133194E+20	4,029519E+18	0,000000E+00	0,000000E+00	4,030476E+18	5,133990E+20
-1824	2,278907E+21	4,827336E+21	6,588761E+21	6,588600E+21	4,826991E+21	2,278638E+21	5,132792E+20	4,028245E+18	0,000000E+00	0,000000E+00	4,030460E+18	5,133640E+20
-1823	2,278676E+21	4,826831E+21	6,588346E+21	6,588502E+21	4,827148E+21	2,278879E+21	5,134564E+20	4,033732E+18	0,000000E+00	0,000000E+00	4,032610E+18	5,133070E+20
-1822	2,278649E+21	4,827004E+21	6,588516E+21	6,588410E+21	4,826798E+21	2,278586E+21	5,133343E+20	4,034182E+18	0,000000E+00	0,000000E+00	4,035493E+18	5,134563E+20
-1821	2,278766E+21	4,826846E+21	6,588102E+21	6,588012E+21	4,826648E+21	2,278606E+21	5,133695E+20	4,033845E+18	0,000000E+00	0,000000E+00	4,034404E+18	5,133480E+20
-1820	2,278475E+21	4,826445E+21	6,587993E+21	6,588171E+21	4,826841E+21	2,278748E+21	5,134581E+20	4,036448E+18	0,000000E+00	0,000000E+00	4,035753E+18	5,133789E+20
-1819	2,278689E+21	4,826843E+21	6,588198E+21	6,588088E+21	4,826558E+21	2,278478E+21	5,133017E+20	4,034152E+18	0,000000E+00	0,000000E+00	4,036568E+18	5,134703E+20
-1818	2,278726E+21	4,826701E+21	6,587966E+21	6,588041E+21	4,826791E+21	2,278716E+21	5,134098E+20	4,033332E+18	0,000000E+00	0,000000E+00	4,032059E+18	5,133072E+20
-1817	2,278547E+21	4,826786E+21	6,588386E+21	6,588414E+21	4,826943E+21	2,278726E+21	5,133981E+20	4,033720E+18	0,000000E+00	0,000000E+00	4,033751E+18	5,134004E+20
-1816	2,278839E+21	4,827166E+21	6,588576E+21	6,588415E+21	4,826808E+21	2,278572E+21	5,132852E+20	4,030836E+18	0,000000E+00	0,000000E+00	4,030520E+18	5,133709E+20
-1815	2,278695E+21	4,826934E+21	6,588493E+21	6,588701E+21	4,827296E+21	2,278895E+21	5,134195E+20	4,029840E+18	0,000000E+00	0,000000E+00	4,027946E+18	5,132507E+20
-1814	2,278649E+21	4,827241E+21	6,588987E+21	6,588980E+21	4,827276E+21	2,278740E+21	5,133073E+20	4,029883E+18	0,000000E+00	0,000000E+00	4,030484E+18	5,134015E+20
-1813	2,278914E+21	4,827398E+21	6,588912E+21	6,588831E+21	4,827206E+21	2,278716E+21	5,132632E+20	4,025257E+18	0,000000E+00	0,000000E+00	4,025655E+18	5,133017E+20

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	2,278718E+21	4,827155E+21	6,588877E+21	6,589093E+21	4,827555E+21	2,278952E+21	5,133857E+20	4,026879E+18	0,000000E+00	0,000000E+00	4,027221E+18	5,132760E+20
-1811	2,278856E+21	4,827591E+21	6,589223E+21	6,589113E+21	4,827319E+21	2,278699E+21	5,132389E+20	4,026711E+18	0,000000E+00	0,000000E+00	4,027752E+18	5,133921E+20
-1810	2,278926E+21	4,827483E+21	6,588991E+21	6,588938E+21	4,827358E+21	2,278821E+21	5,133160E+20	4,024893E+18	0,000000E+00	0,000000E+00	4,025191E+18	5,132479E+20
-1809	2,278647E+21	4,827203E+21	6,589020E+21	6,589091E+21	4,827437E+21	2,278877E+21	5,133797E+20	4,030031E+18	0,000000E+00	0,000000E+00	4,029820E+18	5,133348E+20
-1808	2,278842E+21	4,827360E+21	6,588912E+21	6,588781E+21	4,827031E+21	2,278596E+21	5,132494E+20	4,028260E+18	0,000000E+00	0,000000E+00	4,029838E+18	5,133969E+20
-1807	2,278764E+21	4,826963E+21	6,588375E+21	6,588523E+21	4,827158E+21	2,278831E+21	5,134082E+20	4,031082E+18	0,000000E+00	0,000000E+00	4,031528E+18	5,132867E+20
-1806	2,278573E+21	4,826895E+21	6,588472E+21	6,588455E+21	4,826936E+21	2,278694E+21	5,133782E+20	4,034927E+18	0,000000E+00	0,000000E+00	4,035584E+18	5,134445E+20
-1805	2,278807E+21	4,826940E+21	6,588189E+21	6,587987E+21	4,826509E+21	2,278497E+21	5,133217E+20	4,033367E+18	0,000000E+00	0,000000E+00	4,035573E+18	5,134057E+20
-1804	2,278556E+21	4,826416E+21	6,587770E+21	6,587928E+21	4,826700E+21	2,278737E+21	5,134918E+20	4,038356E+18	0,000000E+00	0,000000E+00	4,037344E+18	5,133435E+20
-1803	2,278500E+21	4,826542E+21	6,587923E+21	6,587856E+21	4,826406E+21	2,278476E+21	5,133720E+20	4,038639E+18	0,000000E+00	0,000000E+00	4,040435E+18	5,135053E+20
-1802	2,278656E+21	4,826429E+21	6,587566E+21	6,587506E+21	4,826279E+21	2,278505E+21	5,134047E+20	4,038113E+18	0,000000E+00	0,000000E+00	4,038532E+18	5,133893E+20
-1801	2,278391E+21	4,826095E+21	6,587482E+21	6,587664E+21	4,826486E+21	2,278659E+21	5,134966E+20	4,040390E+18	0,000000E+00	0,000000E+00	4,039666E+18	5,134138E+20
-1800	2,278592E+21	4,826476E+21	6,587671E+21	6,587565E+21	4,826195E+21	2,278390E+21	5,133442E+20	4,038428E+18	0,000000E+00	0,000000E+00	4,040166E+18	5,135020E+20
-1799	2,278654E+21	4,826408E+21	6,587504E+21	6,587554E+21	4,826463E+21	2,278644E+21	5,134535E+20	4,037704E+18	0,000000E+00	0,000000E+00	4,035682E+18	5,133291E+20
-1798	2,278426E+21	4,826453E+21	6,587972E+21	6,587990E+21	4,826619E+21	2,278645E+21	5,134446E+20	4,038233E+18	0,000000E+00	0,000000E+00	4,037756E+18	5,134328E+20
-1797	2,278735E+21	4,826803E+21	6,588110E+21	6,587982E+21	4,826468E+21	2,278452E+21	5,133066E+20	4,034503E+18	0,000000E+00	0,000000E+00	4,034698E+18	5,134142E+20
-1796	2,278615E+21	4,826583E+21	6,587975E+21	6,588214E+21	4,826949E+21	2,278778E+21	5,134355E+20	4,032812E+18	0,000000E+00	0,000000E+00	4,032120E+18	5,132961E+20
-1795	2,278571E+21	4,826898E+21	6,588473E+21	6,588478E+21	4,826937E+21	2,278652E+21	5,133343E+20	4,033125E+18	0,000000E+00	0,000000E+00	4,034559E+18	5,134473E+20
-1794	2,278855E+21	4,827118E+21	6,588492E+21	6,588371E+21	4,826864E+21	2,278625E+21	5,132967E+20	4,028924E+18	0,000000E+00	0,000000E+00	4,029043E+18	5,133290E+20
-1793	2,278637E+21	4,826881E+21	6,588476E+21	6,588638E+21	4,827207E+21	2,278862E+21	5,134283E+20	4,031140E+18	0,000000E+00	0,000000E+00	4,030936E+18	5,132972E+20
-1792	2,278714E+21	4,827184E+21	6,588718E+21	6,588625E+21	4,826948E+21	2,278597E+21	5,132846E+20	4,031445E+18	0,000000E+00	0,000000E+00	4,031799E+18	5,134237E+20
-1791	2,278805E+21	4,827062E+21	6,588405E+21	6,588394E+21	4,827003E+21	2,278732E+21	5,133606E+20	4,029966E+18	0,000000E+00	0,000000E+00	4,030019E+18	5,132866E+20
-1790	2,278510E+21	4,826755E+21	6,588429E+21	6,588518E+21	4,827039E+21	2,278782E+21	5,134293E+20	4,035151E+18	0,000000E+00	0,000000E+00	4,034991E+18	5,133890E+20
-1789	2,278753E+21	4,826932E+21	6,588288E+21	6,588165E+21	4,826574E+21	2,278458E+21	5,132848E+20	4,032904E+18	0,000000E+00	0,000000E+00	4,035217E+18	5,134526E+20
-1788	2,278686E+21	4,826576E+21	6,587759E+21	6,587888E+21	4,826697E+21	2,278698E+21	5,134462E+20	4,035739E+18	0,000000E+00	0,000000E+00	4,036597E+18	5,133330E+20
-1787	2,278456E+21	4,826490E+21	6,587907E+21	6,587861E+21	4,826500E+21	2,278585E+21	5,134277E+20	4,039894E+18	0,000000E+00	0,000000E+00	4,040624E+18	5,134868E+20
-1786	2,278675E+21	4,826517E+21	6,587668E+21	6,587461E+21	4,826097E+21	2,278382E+21	5,133699E+20	4,038691E+18	0,000000E+00	0,000000E+00	4,040258E+18	5,134405E+20
-1785	2,278415E+21	4,825972E+21	6,587192E+21	6,587381E+21	4,826314E+21	2,278631E+21	5,135359E+20	4,043284E+18	0,000000E+00	0,000000E+00	4,042030E+18	5,133835E+20
-1784	2,278354E+21	4,826036E+21	6,587251E+21	6,587232E+21	4,825986E+21	2,278367E+21	5,134152E+20	4,043433E+18	0,000000E+00	0,000000E+00	4,045071E+18	5,135525E+20
-1783	2,278573E+21	4,826020E+21	6,586922E+21	6,586879E+21	4,825884E+21	2,278414E+21	5,134481E+20	4,042883E+18	0,000000E+00	0,000000E+00	4,042863E+18	5,134275E+20
-1782	2,278298E+21	4,825753E+21	6,586980E+21	6,587122E+21	4,826097E+21	2,278566E+21	5,135435E+20	4,044926E+18	0,000000E+00	0,000000E+00	4,043789E+18	5,134518E+20
-1781	2,278517E+21	4,826164E+21	6,587229E+21	6,587081E+21	4,825802E+21	2,278265E+21	5,133752E+20	4,042551E+18	0,000000E+00	0,000000E+00	4,044196E+18	5,135348E+20
-1780	2,278563E+21	4,826094E+21	6,587081E+21	6,587129E+21	4,826122E+21	2,278525E+21	5,134741E+20	4,041007E+18	0,000000E+00	0,000000E+00	4,039550E+18	5,133625E+20
-1779	2,278316E+21	4,826104E+21	6,587532E+21	6,587582E+21	4,826332E+21	2,278563E+21	5,134687E+20	4,041411E+18	0,000000E+00	0,000000E+00	4,041768E+18	5,134726E+20
-1778	2,278649E+21	4,826482E+21	6,587705E+21	6,587589E+21	4,826186E+21	2,278373E+21	5,133303E+20	4,037649E+18	0,000000E+00	0,000000E+00	4,038079E+18	5,134482E+20
-1777	2,278549E+21	4,826302E+21	6,587547E+21	6,587777E+21	4,826655E+21	2,278706E+21	5,134661E+20	4,036013E+18	0,000000E+00	0,000000E+00	4,035549E+18	5,133252E+20

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	2,278476E+21	4,826548E+21	6,587971E+21	6,587973E+21	4,826603E+21	2,278578E+21	5,133770E+20	4,037157E+18	0,000000E+00	0,000000E+00	4,037886E+18	5,134734E+20
-1775	2,278769E+21	4,826800E+21	6,588006E+21	6,587866E+21	4,826526E+21	2,278553E+21	5,133467E+20	4,033675E+18	0,000000E+00	0,000000E+00	4,032843E+18	5,133527E+20
-1774	2,278503E+21	4,826500E+21	6,588007E+21	6,588157E+21	4,826837E+21	2,278763E+21	5,134785E+20	4,036273E+18	0,000000E+00	0,000000E+00	4,035532E+18	5,133381E+20
-1773	2,278600E+21	4,826750E+21	6,588153E+21	6,588080E+21	4,826535E+21	2,278462E+21	5,133165E+20	4,035999E+18	0,000000E+00	0,000000E+00	4,036881E+18	5,134773E+20
-1772	2,278717E+21	4,826654E+21	6,587801E+21	6,587792E+21	4,826565E+21	2,278593E+21	5,133869E+20	4,034143E+18	0,000000E+00	0,000000E+00	4,035322E+18	5,133440E+20
-1771	2,278421E+21	4,826352E+21	6,587831E+21	6,587912E+21	4,826620E+21	2,278673E+21	5,134670E+20	4,039552E+18	0,000000E+00	0,000000E+00	4,040029E+18	5,134386E+20
-1770	2,278664E+21	4,826577E+21	6,587786E+21	6,587614E+21	4,826166E+21	2,278352E+21	5,133301E+20	4,037781E+18	0,000000E+00	0,000000E+00	4,039794E+18	5,134868E+20
-1769	2,278571E+21	4,826204E+21	6,587252E+21	6,587340E+21	4,826287E+21	2,278593E+21	5,134975E+20	4,041001E+18	0,000000E+00	0,000000E+00	4,041168E+18	5,133615E+20
-1768	2,278280E+21	4,825963E+21	6,587268E+21	6,587277E+21	4,826091E+21	2,278480E+21	5,134811E+20	4,045264E+18	0,000000E+00	0,000000E+00	4,045336E+18	5,135229E+20
-1767	2,278532E+21	4,826020E+21	6,586985E+21	6,586837E+21	4,825702E+21	2,278288E+21	5,134193E+20	4,044095E+18	0,000000E+00	0,000000E+00	4,045405E+18	5,134856E+20
-1766	2,278282E+21	4,825499E+21	6,586554E+21	6,586748E+21	4,825872E+21	2,278521E+21	5,135816E+20	4,048218E+18	0,000000E+00	0,000000E+00	4,047054E+18	5,134406E+20
-1765	2,278283E+21	4,825626E+21	6,586633E+21	6,586598E+21	4,825524E+21	2,278228E+21	5,134455E+20	4,047693E+18	0,000000E+00	0,000000E+00	4,049931E+18	5,136041E+20
-1764	2,278522E+21	4,825713E+21	6,586407E+21	6,586298E+21	4,825447E+21	2,278282E+21	5,134751E+20	4,046747E+18	0,000000E+00	0,000000E+00	4,047145E+18	5,134676E+20
-1763	2,278215E+21	4,825452E+21	6,586564E+21	6,586656E+21	4,825731E+21	2,278463E+21	5,135774E+20	4,048808E+18	0,000000E+00	0,000000E+00	4,047813E+18	5,134837E+20
-1762	2,278415E+21	4,825855E+21	6,586873E+21	6,586720E+21	4,825509E+21	2,278174E+21	5,134083E+20	4,046585E+18	0,000000E+00	0,000000E+00	4,047833E+18	5,135612E+20
-1761	2,278455E+21	4,825758E+21	6,586665E+21	6,586740E+21	4,825853E+21	2,278450E+21	5,135041E+20	4,044483E+18	0,000000E+00	0,000000E+00	4,043125E+18	5,133926E+20
-1760	2,278197E+21	4,825681E+21	6,586996E+21	6,587104E+21	4,826033E+21	2,278499E+21	5,135064E+20	4,045129E+18	0,000000E+00	0,000000E+00	4,045260E+18	5,135038E+20
-1759	2,278570E+21	4,826137E+21	6,587172E+21	6,587078E+21	4,825882E+21	2,278317E+21	5,133739E+20	4,041782E+18	0,000000E+00	0,000000E+00	4,041515E+18	5,134725E+20
-1758	2,278450E+21	4,825985E+21	6,587104E+21	6,587278E+21	4,826299E+21	2,278629E+21	5,135146E+20	4,040415E+18	0,000000E+00	0,000000E+00	4,039311E+18	5,133567E+20
-1757	2,278389E+21	4,826202E+21	6,587505E+21	6,587471E+21	4,826209E+21	2,278458E+21	5,134121E+20	4,041506E+18	0,000000E+00	0,000000E+00	4,041972E+18	5,135062E+20
-1756	2,278670E+21	4,826439E+21	6,587518E+21	6,587372E+21	4,826139E+21	2,278423E+21	5,133718E+20	4,037548E+18	0,000000E+00	0,000000E+00	4,037434E+18	5,133974E+20
-1755	2,278398E+21	4,826110E+21	6,587497E+21	6,587660E+21	4,826473E+21	2,278652E+21	5,135044E+20	4,040139E+18	0,000000E+00	0,000000E+00	4,040466E+18	5,133907E+20
-1754	2,278516E+21	4,826386E+21	6,587665E+21	6,587577E+21	4,826166E+21	2,278356E+21	5,133477E+20	4,040001E+18	0,000000E+00	0,000000E+00	4,041414E+18	5,135233E+20
-1753	2,278641E+21	4,826306E+21	6,587290E+21	6,587257E+21	4,826187E+21	2,278495E+21	5,134247E+20	4,038443E+18	0,000000E+00	0,000000E+00	4,039911E+18	5,133837E+20
-1752	2,278307E+21	4,825924E+21	6,587237E+21	6,587309E+21	4,826210E+21	2,278584E+21	5,135206E+20	4,044639E+18	0,000000E+00	0,000000E+00	4,044427E+18	5,134695E+20
-1751	2,278537E+21	4,826147E+21	6,587183E+21	6,587011E+21	4,825760E+21	2,278266E+21	5,133925E+20	4,043677E+18	0,000000E+00	0,000000E+00	4,044663E+18	5,135162E+20
-1750	2,278402E+21	4,825711E+21	6,586651E+21	6,586744E+21	4,825852E+21	2,278484E+21	5,135556E+20	4,046939E+18	0,000000E+00	0,000000E+00	4,046527E+18	5,134127E+20
-1749	2,278153E+21	4,825435E+21	6,586559E+21	6,586604E+21	4,825612E+21	2,278336E+21	5,135185E+20	4,050299E+18	0,000000E+00	0,000000E+00	4,050863E+18	5,135802E+20
-1748	2,278441E+21	4,825570E+21	6,586308E+21	6,586148E+21	4,825205E+21	2,278140E+21	5,134483E+20	4,048465E+18	0,000000E+00	0,000000E+00	4,050783E+18	5,135458E+20
-1747	2,278210E+21	4,825122E+21	6,585981E+21	6,586134E+21	4,825421E+21	2,278391E+21	5,136119E+20	4,052302E+18	0,000000E+00	0,000000E+00	4,051739E+18	5,134875E+20
-1746	2,278213E+21	4,825335E+21	6,586215E+21	6,586100E+21	4,825132E+21	2,278118E+21	5,134831E+20	4,051995E+18	0,000000E+00	0,000000E+00	4,053938E+18	5,136325E+20
-1745	2,278426E+21	4,825418E+21	6,586037E+21	6,585888E+21	4,825116E+21	2,278188E+21	5,135120E+20	4,050956E+18	0,000000E+00	0,000000E+00	4,050785E+18	5,134880E+20
-1744	2,278070E+21	4,825032E+21	6,586080E+21	6,586232E+21	4,825442E+21	2,278392E+21	5,136191E+20	4,052984E+18	0,000000E+00	0,000000E+00	4,051400E+18	5,135067E+20
-1743	2,278295E+21	4,825456E+21	6,586344E+21	6,586270E+21	4,825249E+21	2,278128E+21	5,134529E+20	4,050935E+18	0,000000E+00	0,000000E+00	4,051608E+18	5,135883E+20
-1742	2,278334E+21	4,825367E+21	6,586170E+21	6,586266E+21	4,825535E+21	2,278384E+21	5,135458E+20	4,048360E+18	0,000000E+00	0,000000E+00	4,047010E+18	5,134371E+20
-1741	2,278133E+21	4,825311E+21	6,586449E+21	6,586568E+21	4,825662E+21	2,278396E+21	5,135360E+20	4,048760E+18	0,000000E+00	0,000000E+00	4,049218E+18	5,135421E+20

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	2,278513E+21	4,825849E+21	6,586707E+21	6,586547E+21	4,825479E+21	2,278203E+21	5,134010E+20	4,045221E+18	0,000000E+00	0,000000E+00	4,045507E+18	5,135118E+20
-1739	2,278373E+21	4,825689E+21	6,586694E+21	6,586815E+21	4,825921E+21	2,278513E+21	5,135424E+20	4,044145E+18	0,000000E+00	0,000000E+00	4,043508E+18	5,133938E+20
-1738	2,278299E+21	4,825895E+21	6,587118E+21	6,587060E+21	4,825873E+21	2,278348E+21	5,134409E+20	4,045518E+18	0,000000E+00	0,000000E+00	4,046120E+18	5,135448E+20
-1737	2,278584E+21	4,826102E+21	6,587062E+21	6,586914E+21	4,825801E+21	2,278319E+21	5,133981E+20	4,041349E+18	0,000000E+00	0,000000E+00	4,041762E+18	5,134383E+20
-1736	2,278291E+21	4,825678E+21	6,586910E+21	6,587110E+21	4,826111E+21	2,278568E+21	5,135446E+20	4,044479E+18	0,000000E+00	0,000000E+00	4,044685E+18	5,134283E+20
-1735	2,278428E+21	4,826004E+21	6,587081E+21	6,587013E+21	4,825811E+21	2,278288E+21	5,134024E+20	4,045043E+18	0,000000E+00	0,000000E+00	4,045717E+18	5,135508E+20
-1734	2,278511E+21	4,825905E+21	6,586765E+21	6,586689E+21	4,825770E+21	2,278407E+21	5,134855E+20	4,043992E+18	0,000000E+00	0,000000E+00	4,044739E+18	5,134232E+20
-1733	2,278180E+21	4,825449E+21	6,586620E+21	6,586700E+21	4,825752E+21	2,278457E+21	5,135690E+20	4,050029E+18	0,000000E+00	0,000000E+00	4,049497E+18	5,135079E+20
-1732	2,278397E+21	4,825670E+21	6,586544E+21	6,586376E+21	4,825285E+21	2,278126E+21	5,134303E+20	4,048558E+18	0,000000E+00	0,000000E+00	4,050296E+18	5,135701E+20
-1731	2,278277E+21	4,825234E+21	6,586009E+21	6,586104E+21	4,825383E+21	2,278348E+21	5,135878E+20	4,051567E+18	0,000000E+00	0,000000E+00	4,051962E+18	5,134709E+20
-1730	2,278065E+21	4,825035E+21	6,585982E+21	6,586000E+21	4,825162E+21	2,278205E+21	5,135520E+20	4,054616E+18	0,000000E+00	0,000000E+00	4,055704E+18	5,136300E+20
-1729	2,278371E+21	4,825221E+21	6,585773E+21	6,585580E+21	4,824788E+21	2,278023E+21	5,134838E+20	4,052825E+18	0,000000E+00	0,000000E+00	4,055156E+18	5,135832E+20
-1728	2,278103E+21	4,824732E+21	6,585445E+21	6,585586E+21	4,825034E+21	2,278301E+21	5,136604E+20	4,057018E+18	0,000000E+00	0,000000E+00	4,055597E+18	5,135137E+20
-1727	2,278096E+21	4,824958E+21	6,585719E+21	6,585629E+21	4,824806E+21	2,278051E+21	5,135423E+20	4,057312E+18	0,000000E+00	0,000000E+00	4,058030E+18	5,136532E+20
-1726	2,278267E+21	4,824988E+21	6,585554E+21	6,585446E+21	4,824793E+21	2,278113E+21	5,135630E+20	4,055859E+18	0,000000E+00	0,000000E+00	4,055139E+18	5,135319E+20
-1725	2,277961E+21	4,824578E+21	6,585477E+21	6,585693E+21	4,825077E+21	2,278291E+21	5,136510E+20	4,056912E+18	0,000000E+00	0,000000E+00	4,055783E+18	5,135505E+20
-1724	2,278214E+21	4,825080E+21	6,585776E+21	6,585702E+21	4,824852E+21	2,278021E+21	5,134772E+20	4,054220E+18	0,000000E+00	0,000000E+00	4,055830E+18	5,136351E+20
-1723	2,278275E+21	4,825065E+21	6,585697E+21	6,585752E+21	4,825151E+21	2,278276E+21	5,135692E+20	4,051494E+18	0,000000E+00	0,000000E+00	4,050757E+18	5,134760E+20
-1722	2,278082E+21	4,825080E+21	6,586082E+21	6,586122E+21	4,825302E+21	2,278292E+21	5,135656E+20	4,052334E+18	0,000000E+00	0,000000E+00	4,052690E+18	5,135679E+20
-1721	2,278431E+21	4,825580E+21	6,586356E+21	6,586169E+21	4,825164E+21	2,278104E+21	5,134286E+20	4,048772E+18	0,000000E+00	0,000000E+00	4,048922E+18	5,135359E+20
-1720	2,278254E+21	4,825314E+21	6,586235E+21	6,586400E+21	4,825622E+21	2,278428E+21	5,135741E+20	4,047985E+18	0,000000E+00	0,000000E+00	4,047272E+18	5,134249E+20
-1719	2,278200E+21	4,825523E+21	6,586606E+21	6,586606E+21	4,825583E+21	2,278288E+21	5,134857E+20	4,049963E+18	0,000000E+00	0,000000E+00	4,050109E+18	5,135752E+20
-1718	2,278469E+21	4,825716E+21	6,586564E+21	6,586430E+21	4,825458E+21	2,278244E+21	5,134444E+20	4,045771E+18	0,000000E+00	0,000000E+00	4,046244E+18	5,134860E+20
-1717	2,278215E+21	4,825277E+21	6,586310E+21	6,586516E+21	4,825698E+21	2,278463E+21	5,135868E+20	4,049131E+18	0,000000E+00	0,000000E+00	4,049255E+18	5,134653E+20
-1716	2,278326E+21	4,825628E+21	6,586524E+21	6,586400E+21	4,825350E+21	2,278172E+21	5,134470E+20	4,049750E+18	0,000000E+00	0,000000E+00	4,050671E+18	5,135911E+20
-1715	2,278383E+21	4,825482E+21	6,586218E+21	6,586124E+21	4,825315E+21	2,278274E+21	5,135283E+20	4,049051E+18	0,000000E+00	0,000000E+00	4,050127E+18	5,134706E+20
-1714	2,278058E+21	4,825014E+21	6,586039E+21	6,586126E+21	4,825314E+21	2,278324E+21	5,136075E+20	4,054940E+18	0,000000E+00	0,000000E+00	4,054730E+18	5,135594E+20
-1713	2,278285E+21	4,825222E+21	6,585923E+21	6,585767E+21	4,824843E+21	2,277996E+21	5,134639E+20	4,053104E+18	0,000000E+00	0,000000E+00	4,055463E+18	5,136222E+20
-1712	2,278167E+21	4,824761E+21	6,585333E+21	6,585447E+21	4,824930E+21	2,278231E+21	5,136286E+20	4,056359E+18	0,000000E+00	0,000000E+00	4,056709E+18	5,135155E+20
-1711	2,277978E+21	4,824644E+21	6,585379E+21	6,585399E+21	4,824756E+21	2,278115E+21	5,136093E+20	4,060027E+18	0,000000E+00	0,000000E+00	4,060159E+18	5,136580E+20
-1710	2,278239E+21	4,824831E+21	6,585278E+21	6,585057E+21	4,824388E+21	2,277931E+21	5,135427E+20	4,058406E+18	0,000000E+00	0,000000E+00	4,059835E+18	5,136216E+20
-1709	2,277980E+21	4,824288E+21	6,584877E+21	6,585055E+21	4,824637E+21	2,278189E+21	5,137038E+20	4,061941E+18	0,000000E+00	0,000000E+00	4,060219E+18	5,135493E+20
-1708	2,277968E+21	4,824537E+21	6,585163E+21	6,585093E+21	4,824417E+21	2,277946E+21	5,135765E+20	4,061439E+18	0,000000E+00	0,000000E+00	4,063014E+18	5,137015E+20
-1707	2,278162E+21	4,824580E+21	6,585009E+21	6,584928E+21	4,824415E+21	2,278006E+21	5,135882E+20	4,059392E+18	0,000000E+00	0,000000E+00	4,059639E+18	5,135825E+20
-1706	2,277902E+21	4,824264E+21	6,584985E+21	6,585194E+21	4,824715E+21	2,278186E+21	5,136742E+20	4,060071E+18	0,000000E+00	0,000000E+00	4,059696E+18	5,135918E+20
-1705	2,278162E+21	4,824817E+21	6,585341E+21	6,585228E+21	4,824503E+21	2,277920E+21	5,135009E+20	4,057446E+18	0,000000E+00	0,000000E+00	4,059127E+18	5,136611E+20

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	2,278187E+21	4,824759E+21	6,585261E+21	6,585289E+21	4,824810E+21	2,278190E+21	5,136057E+20	4,055220E+18	0,000000E+00	0,000000E+00	4,053804E+18	5,134954E+20
-1703	2,277985E+21	4,824773E+21	6,585672E+21	6,585740E+21	4,825020E+21	2,278223E+21	5,136155E+20	4,056959E+18	0,000000E+00	0,000000E+00	4,056090E+18	5,135851E+20
-1702	2,278294E+21	4,825209E+21	6,585925E+21	6,585780E+21	4,824875E+21	2,278032E+21	5,134748E+20	4,053211E+18	0,000000E+00	0,000000E+00	4,052926E+18	5,135786E+20
-1701	2,278159E+21	4,824900E+21	6,585663E+21	6,585883E+21	4,825266E+21	2,278330E+21	5,136071E+20	4,052116E+18	0,000000E+00	0,000000E+00	4,051669E+18	5,134677E+20
-1700	2,278117E+21	4,825162E+21	6,586055E+21	6,586037E+21	4,825175E+21	2,278186E+21	5,135197E+20	4,053862E+18	0,000000E+00	0,000000E+00	4,054639E+18	5,136188E+20
-1699	2,278381E+21	4,825368E+21	6,586053E+21	6,585889E+21	4,825043E+21	2,278130E+21	5,134798E+20	4,049915E+18	0,000000E+00	0,000000E+00	4,050903E+18	5,135264E+20
-1698	2,278126E+21	4,824955E+21	6,585829E+21	6,585988E+21	4,825283E+21	2,278346E+21	5,136275E+20	4,053757E+18	0,000000E+00	0,000000E+00	4,053807E+18	5,135007E+20
-1697	2,278198E+21	4,825226E+21	6,586002E+21	6,585890E+21	4,824951E+21	2,278050E+21	5,134840E+20	4,054308E+18	0,000000E+00	0,000000E+00	4,055303E+18	5,136266E+20
-1696	2,278232E+21	4,824984E+21	6,585573E+21	6,585541E+21	4,824908E+21	2,278165E+21	5,135708E+20	4,053971E+18	0,000000E+00	0,000000E+00	4,055069E+18	5,135176E+20
-1695	2,277941E+21	4,824547E+21	6,585376E+21	6,585519E+21	4,824907E+21	2,278227E+21	5,136606E+20	4,060319E+18	0,000000E+00	0,000000E+00	4,059675E+18	5,136025E+20
-1694	2,278161E+21	4,824769E+21	6,585303E+21	6,585160E+21	4,824412E+21	2,277893E+21	5,135170E+20	4,058364E+18	0,000000E+00	0,000000E+00	4,060745E+18	5,136795E+20
-1693	2,278085E+21	4,824336E+21	6,584677E+21	6,584779E+21	4,824455E+21	2,278104E+21	5,136722E+20	4,061516E+18	0,000000E+00	0,000000E+00	4,061681E+18	5,135590E+20
-1692	2,277876E+21	4,824268E+21	6,584824E+21	6,584779E+21	4,824279E+21	2,277992E+21	5,136556E+20	4,064943E+18	0,000000E+00	0,000000E+00	4,065285E+18	5,136997E+20
-1691	2,278114E+21	4,824420E+21	6,584764E+21	6,584550E+21	4,823975E+21	2,277806E+21	5,135823E+20	4,063317E+18	0,000000E+00	0,000000E+00	4,065000E+18	5,136681E+20
-1690	2,277876E+21	4,823906E+21	6,584342E+21	6,584542E+21	4,824258E+21	2,278073E+21	5,137356E+20	4,066180E+18	0,000000E+00	0,000000E+00	4,064923E+18	5,135962E+20
-1689	2,277866E+21	4,824144E+21	6,584616E+21	6,584574E+21	4,824055E+21	2,277842E+21	5,136033E+20	4,065106E+18	0,000000E+00	0,000000E+00	4,067091E+18	5,137384E+20
-1688	2,278065E+21	4,824192E+21	6,584451E+21	6,584394E+21	4,824056E+21	2,277917E+21	5,136213E+20	4,063079E+18	0,000000E+00	0,000000E+00	4,063075E+18	5,136137E+20
-1687	2,277830E+21	4,823961E+21	6,584505E+21	6,584713E+21	4,824389E+21	2,278117E+21	5,137232E+20	4,064391E+18	0,000000E+00	0,000000E+00	4,062845E+18	5,136058E+20
-1686	2,278041E+21	4,824500E+21	6,584953E+21	6,584826E+21	4,824194E+21	2,277851E+21	5,135506E+20	4,061949E+18	0,000000E+00	0,000000E+00	4,062614E+18	5,136894E+20
-1685	2,278081E+21	4,824396E+21	6,584787E+21	6,584846E+21	4,824479E+21	2,278088E+21	5,136385E+20	4,059342E+18	0,000000E+00	0,000000E+00	4,057594E+18	5,135254E+20
-1684	2,277880E+21	4,824428E+21	6,585201E+21	6,585267E+21	4,824672E+21	2,278126E+21	5,136444E+20	4,060641E+18	0,000000E+00	0,000000E+00	4,060542E+18	5,136291E+20
-1683	2,278203E+21	4,824853E+21	6,585448E+21	6,585328E+21	4,824532E+21	2,277928E+21	5,134992E+20	4,056650E+18	0,000000E+00	0,000000E+00	4,057328E+18	5,136279E+20
-1682	2,278108E+21	4,824612E+21	6,585184E+21	6,585394E+21	4,824908E+21	2,278223E+21	5,136323E+20	4,055528E+18	0,000000E+00	0,000000E+00	4,055922E+18	5,135127E+20
-1681	2,278048E+21	4,824861E+21	6,585589E+21	6,585539E+21	4,824808E+21	2,278083E+21	5,135508E+20	4,057555E+18	0,000000E+00	0,000000E+00	4,058553E+18	5,136466E+20
-1680	2,278262E+21	4,824988E+21	6,585538E+21	6,585366E+21	4,824659E+21	2,278033E+21	5,135250E+20	4,054466E+18	0,000000E+00	0,000000E+00	4,055083E+18	5,135584E+20
-1679	2,278001E+21	4,824541E+21	6,585272E+21	6,585478E+21	4,824919E+21	2,278256E+21	5,136854E+20	4,059419E+18	0,000000E+00	0,000000E+00	4,058465E+18	5,135336E+20
-1678	2,278039E+21	4,824740E+21	6,585393E+21	6,585334E+21	4,824564E+21	2,277954E+21	5,135371E+20	4,059699E+18	0,000000E+00	0,000000E+00	4,060657E+18	5,136844E+20
-1677	2,278123E+21	4,824481E+21	6,584841E+21	6,584845E+21	4,824430E+21	2,278031E+21	5,136110E+20	4,059161E+18	0,000000E+00	0,000000E+00	4,060475E+18	5,135732E+20
-1676	2,277854E+21	4,824137E+21	6,584725E+21	6,584812E+21	4,824391E+21	2,278089E+21	5,137011E+20	4,065123E+18	0,000000E+00	0,000000E+00	4,065061E+18	5,136554E+20
-1675	2,278066E+21	4,824381E+21	6,584732E+21	6,584539E+21	4,823930E+21	2,277757E+21	5,135605E+20	4,063413E+18	0,000000E+00	0,000000E+00	4,065976E+18	5,137235E+20
-1674	2,277987E+21	4,823989E+21	6,584170E+21	6,584227E+21	4,824016E+21	2,277974E+21	5,137135E+20	4,066554E+18	0,000000E+00	0,000000E+00	4,066598E+18	5,135993E+20
-1673	2,277747E+21	4,823863E+21	6,584313E+21	6,584283E+21	4,823896E+21	2,277873E+21	5,136913E+20	4,069464E+18	0,000000E+00	0,000000E+00	4,069855E+18	5,137317E+20
-1672	2,277963E+21	4,823945E+21	6,584160E+21	6,584014E+21	4,823620E+21	2,277718E+21	5,136231E+20	4,067902E+18	0,000000E+00	0,000000E+00	4,069460E+18	5,137076E+20
-1671	2,277764E+21	4,823482E+21	6,583753E+21	6,584022E+21	4,823926E+21	2,278001E+21	5,137845E+20	4,070773E+18	0,000000E+00	0,000000E+00	4,068853E+18	5,136278E+20
-1670	2,277747E+21	4,823741E+21	6,584076E+21	6,584063E+21	4,823715E+21	2,277769E+21	5,136511E+20	4,069545E+18	0,000000E+00	0,000000E+00	4,071075E+18	5,137768E+20
-1669	2,277979E+21	4,823821E+21	6,583890E+21	6,583821E+21	4,823661E+21	2,277815E+21	5,136602E+20	4,067362E+18	0,000000E+00	0,000000E+00	4,066733E+18	5,136431E+20

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	2,277738E+21	4,823657E+21	6,584066E+21	6,584196E+21	4,823982E+21	2,278006E+21	5,137603E+20	4,068431E+18	0,000000E+00	0,000000E+00	4,067020E+18	5,136403E+20
-1667	2,277934E+21	4,824154E+21	6,584529E+21	6,584409E+21	4,823853E+21	2,277739E+21	5,135808E+20	4,065981E+18	0,000000E+00	0,000000E+00	4,066967E+18	5,137334E+20
-1666	2,278009E+21	4,824098E+21	6,584344E+21	6,584406E+21	4,824153E+21	2,277977E+21	5,136575E+20	4,062753E+18	0,000000E+00	0,000000E+00	4,061980E+18	5,135761E+20
-1665	2,277818E+21	4,824118E+21	6,584741E+21	6,584809E+21	4,824345E+21	2,278023E+21	5,136613E+20	4,063714E+18	0,000000E+00	0,000000E+00	4,064364E+18	5,136647E+20
-1664	2,278123E+21	4,824518E+21	6,584952E+21	6,584842E+21	4,824206E+21	2,277846E+21	5,135311E+20	4,060215E+18	0,000000E+00	0,000000E+00	4,060865E+18	5,136582E+20
-1663	2,278028E+21	4,824306E+21	6,584726E+21	6,584931E+21	4,824585E+21	2,278154E+21	5,136849E+20	4,060219E+18	0,000000E+00	0,000000E+00	4,059541E+18	5,135311E+20
-1662	2,277901E+21	4,824467E+21	6,585129E+21	6,585094E+21	4,824480E+21	2,278011E+21	5,136069E+20	4,062590E+18	0,000000E+00	0,000000E+00	4,062773E+18	5,136788E+20
-1661	2,278122E+21	4,824523E+21	6,584927E+21	6,584799E+21	4,824263E+21	2,277923E+21	5,135686E+20	4,059469E+18	0,000000E+00	0,000000E+00	4,059938E+18	5,136019E+20
-1660	2,277879E+21	4,824100E+21	6,584647E+21	6,584827E+21	4,824459E+21	2,278134E+21	5,137246E+20	4,064173E+18	0,000000E+00	0,000000E+00	4,063926E+18	5,135898E+20
-1659	2,277933E+21	4,824291E+21	6,584768E+21	6,584710E+21	4,824106E+21	2,277821E+21	5,135731E+20	4,064272E+18	0,000000E+00	0,000000E+00	4,066108E+18	5,137442E+20
-1658	2,278065E+21	4,824133E+21	6,584249E+21	6,584201E+21	4,823952E+21	2,277885E+21	5,136424E+20	4,063829E+18	0,000000E+00	0,000000E+00	4,065733E+18	5,136263E+20
-1657	2,277771E+21	4,823782E+21	6,584186E+21	6,584215E+21	4,823938E+21	2,277954E+21	5,137365E+20	4,069754E+18	0,000000E+00	0,000000E+00	4,069559E+18	5,136861E+20
-1656	2,277928E+21	4,823956E+21	6,584188E+21	6,583999E+21	4,823525E+21	2,277650E+21	5,136116E+20	4,068729E+18	0,000000E+00	0,000000E+00	4,070768E+18	5,137574E+20
-1655	2,277844E+21	4,823536E+21	6,583610E+21	6,583728E+21	4,823662E+21	2,277888E+21	5,137739E+20	4,072401E+18	0,000000E+00	0,000000E+00	4,071295E+18	5,136332E+20
-1654	2,277580E+21	4,823353E+21	6,583706E+21	6,583755E+21	4,823550E+21	2,277800E+21	5,137462E+20	4,074656E+18	0,000000E+00	0,000000E+00	4,074808E+18	5,137795E+20
-1653	2,277845E+21	4,823453E+21	6,583459E+21	6,583355E+21	4,823194E+21	2,277612E+21	5,136644E+20	4,072656E+18	0,000000E+00	0,000000E+00	4,074129E+18	5,137529E+20
-1652	2,277678E+21	4,823109E+21	6,583160E+21	6,583357E+21	4,823462E+21	2,277885E+21	5,138208E+20	4,074858E+18	0,000000E+00	0,000000E+00	4,073315E+18	5,136700E+20
-1651	2,277660E+21	4,823395E+21	6,583582E+21	6,583523E+21	4,823302E+21	2,277651E+21	5,136857E+20	4,073736E+18	0,000000E+00	0,000000E+00	4,075317E+18	5,138136E+20
-1650	2,277909E+21	4,823544E+21	6,583474E+21	6,583359E+21	4,823283E+21	2,277688E+21	5,136841E+20	4,071174E+18	0,000000E+00	0,000000E+00	4,070820E+18	5,136825E+20
-1649	2,277654E+21	4,823352E+21	6,583672E+21	6,583798E+21	4,823664E+21	2,277890E+21	5,137763E+20	4,071614E+18	0,000000E+00	0,000000E+00	4,070773E+18	5,136724E+20
-1648	2,277836E+21	4,823802E+21	6,584076E+21	6,583994E+21	4,823573E+21	2,277664E+21	5,136087E+20	4,069385E+18	0,000000E+00	0,000000E+00	4,070656E+18	5,137706E+20
-1647	2,277937E+21	4,823782E+21	6,583910E+21	6,584008E+21	4,823886E+21	2,277918E+21	5,136968E+20	4,066496E+18	0,000000E+00	0,000000E+00	4,065417E+18	5,136057E+20
-1646	2,277725E+21	4,823787E+21	6,584297E+21	6,584382E+21	4,824068E+21	2,277970E+21	5,137060E+20	4,067708E+18	0,000000E+00	0,000000E+00	4,067974E+18	5,136931E+20
-1645	2,278025E+21	4,824155E+21	6,584425E+21	6,584297E+21	4,823839E+21	2,277763E+21	5,135754E+20	4,064667E+18	0,000000E+00	0,000000E+00	4,064590E+18	5,136828E+20
-1644	2,277913E+21	4,823955E+21	6,584244E+21	6,584374E+21	4,824167E+21	2,278048E+21	5,137308E+20	4,064964E+18	0,000000E+00	0,000000E+00	4,064248E+18	5,135693E+20
-1643	2,277769E+21	4,824020E+21	6,584573E+21	6,584563E+21	4,824083E+21	2,277893E+21	5,136483E+20	4,067511E+18	0,000000E+00	0,000000E+00	4,067831E+18	5,137277E+20
-1642	2,278026E+21	4,824113E+21	6,584321E+21	6,584192E+21	4,823827E+21	2,277788E+21	5,135990E+20	4,064026E+18	0,000000E+00	0,000000E+00	4,065348E+18	5,136631E+20
-1641	2,277801E+21	4,823705E+21	6,584061E+21	6,584209E+21	4,823997E+21	2,277986E+21	5,137480E+20	4,068351E+18	0,000000E+00	0,000000E+00	4,068728E+18	5,136347E+20
-1640	2,277837E+21	4,823885E+21	6,584171E+21	6,584088E+21	4,823667E+21	2,277707E+21	5,136164E+20	4,068995E+18	0,000000E+00	0,000000E+00	4,070753E+18	5,137819E+20
-1639	2,277959E+21	4,823751E+21	6,583733E+21	6,583664E+21	4,823552E+21	2,277790E+21	5,137015E+20	4,069610E+18	0,000000E+00	0,000000E+00	4,070294E+18	5,136531E+20
-1638	2,277611E+21	4,823325E+21	6,583654E+21	6,583716E+21	4,823575E+21	2,277870E+21	5,137963E+20	4,075449E+18	0,000000E+00	0,000000E+00	4,074454E+18	5,137204E+20
-1637	2,277766E+21	4,823426E+21	6,583509E+21	6,583385E+21	4,823119E+21	2,277549E+21	5,136627E+20	4,074290E+18	0,000000E+00	0,000000E+00	4,076091E+18	5,138019E+20
-1636	2,277707E+21	4,823056E+21	6,582956E+21	6,583058E+21	4,823207E+21	2,277780E+21	5,138177E+20	4,077280E+18	0,000000E+00	0,000000E+00	4,076783E+18	5,136911E+20
-1635	2,277471E+21	4,822874E+21	6,583057E+21	6,583132E+21	4,823109E+21	2,277679E+21	5,137827E+20	4,079027E+18	0,000000E+00	0,000000E+00	4,079926E+18	5,138337E+20
-1634	2,277789E+21	4,823114E+21	6,582880E+21	6,582728E+21	4,822741E+21	2,277479E+21	5,136912E+20	4,076679E+18	0,000000E+00	0,000000E+00	4,078826E+18	5,138037E+20
-1633	2,277618E+21	4,822818E+21	6,582703E+21	6,582814E+21	4,823032E+21	2,277746E+21	5,138419E+20	4,078394E+18	0,000000E+00	0,000000E+00	4,077025E+18	5,136982E+20

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	2,277562E+21	4,823065E+21	6,583155E+21	6,583077E+21	4,822958E+21	2,277553E+21	5,137220E+20	4,077862E+18	0,000000E+00	0,000000E+00	4,079143E+18	5,138437E+20
-1631	2,277812E+21	4,823209E+21	6,583074E+21	6,583000E+21	4,823013E+21	2,277615E+21	5,137257E+20	4,075570E+18	0,000000E+00	0,000000E+00	4,074436E+18	5,137120E+20
-1630	2,277543E+21	4,822982E+21	6,583230E+21	6,583417E+21	4,823416E+21	2,277837E+21	5,138158E+20	4,075520E+18	0,000000E+00	0,000000E+00	4,074567E+18	5,137076E+20
-1629	2,277749E+21	4,823426E+21	6,583536E+21	6,583484E+21	4,823252E+21	2,277594E+21	5,136462E+20	4,073315E+18	0,000000E+00	0,000000E+00	4,074240E+18	5,138003E+20
-1628	2,277858E+21	4,823479E+21	6,583443E+21	6,583458E+21	4,823507E+21	2,277836E+21	5,137359E+20	4,070295E+18	0,000000E+00	0,000000E+00	4,069279E+18	5,136359E+20
-1627	2,277621E+21	4,823428E+21	6,583839E+21	6,583905E+21	4,823707E+21	2,277879E+21	5,137481E+20	4,072040E+18	0,000000E+00	0,000000E+00	4,071990E+18	5,137207E+20
-1626	2,277924E+21	4,823819E+21	6,583957E+21	6,583803E+21	4,823454E+21	2,277641E+21	5,136060E+20	4,068875E+18	0,000000E+00	0,000000E+00	4,069138E+18	5,137246E+20
-1625	2,277807E+21	4,823570E+21	6,583735E+21	6,583855E+21	4,823771E+21	2,277914E+21	5,137513E+20	4,068828E+18	0,000000E+00	0,000000E+00	4,068776E+18	5,136099E+20
-1624	2,277660E+21	4,823592E+21	6,583995E+21	6,584010E+21	4,823702E+21	2,277790E+21	5,136825E+20	4,071693E+18	0,000000E+00	0,000000E+00	4,072496E+18	5,137764E+20
-1623	2,277945E+21	4,823720E+21	6,583774E+21	6,583662E+21	4,823443E+21	2,277688E+21	5,136441E+20	4,068850E+18	0,000000E+00	0,000000E+00	4,069931E+18	5,137050E+20
-1622	2,277700E+21	4,823308E+21	6,583516E+21	6,583663E+21	4,823614E+21	2,277897E+21	5,137969E+20	4,073353E+18	0,000000E+00	0,000000E+00	4,073381E+18	5,136719E+20
-1621	2,277717E+21	4,823451E+21	6,583562E+21	6,583453E+21	4,823220E+21	2,277602E+21	5,136719E+20	4,074526E+18	0,000000E+00	0,000000E+00	4,075664E+18	5,138160E+20
-1620	2,277818E+21	4,823313E+21	6,583162E+21	6,583036E+21	4,823084E+21	2,277673E+21	5,137553E+20	4,075338E+18	0,000000E+00	0,000000E+00	4,076049E+18	5,137028E+20
-1619	2,277463E+21	4,822799E+21	6,583000E+21	6,583119E+21	4,823149E+21	2,277753E+21	5,138434E+20	4,080855E+18	0,000000E+00	0,000000E+00	4,080223E+18	5,137765E+20
-1618	2,277663E+21	4,822968E+21	6,582827E+21	6,582712E+21	4,822650E+21	2,277414E+21	5,136961E+20	4,079049E+18	0,000000E+00	0,000000E+00	4,081901E+18	5,138666E+20
-1617	2,277631E+21	4,822648E+21	6,582336E+21	6,582398E+21	4,822721E+21	2,277630E+21	5,138410E+20	4,081278E+18	0,000000E+00	0,000000E+00	4,081343E+18	5,137353E+20
-1616	2,277388E+21	4,822493E+21	6,582483E+21	6,582526E+21	4,822678E+21	2,277568E+21	5,138220E+20	4,083289E+18	0,000000E+00	0,000000E+00	4,084055E+18	5,138656E+20
-1615	2,277693E+21	4,822776E+21	6,582442E+21	6,582267E+21	4,822375E+21	2,277387E+21	5,137411E+20	4,081616E+18	0,000000E+00	0,000000E+00	4,082491E+18	5,138254E+20
-1614	2,277491E+21	4,822453E+21	6,582288E+21	6,582429E+21	4,822736E+21	2,277669E+21	5,138853E+20	4,082846E+18	0,000000E+00	0,000000E+00	4,080818E+18	5,137245E+20
-1613	2,277436E+21	4,822653E+21	6,582624E+21	6,582595E+21	4,822645E+21	2,277481E+21	5,137650E+20	4,082332E+18	0,000000E+00	0,000000E+00	4,083133E+18	5,138752E+20
-1612	2,277707E+21	4,822853E+21	6,582598E+21	6,582503E+21	4,822675E+21	2,277540E+21	5,137620E+20	4,079433E+18	0,000000E+00	0,000000E+00	4,078621E+18	5,137546E+20
-1611	2,277459E+21	4,822612E+21	6,582730E+21	6,582947E+21	4,823087E+21	2,277753E+21	5,138497E+20	4,079244E+18	0,000000E+00	0,000000E+00	4,078521E+18	5,137429E+20
-1610	2,277688E+21	4,823135E+21	6,583051E+21	6,582966E+21	4,822885E+21	2,277494E+21	5,136745E+20	4,076955E+18	0,000000E+00	0,000000E+00	4,078161E+18	5,138348E+20
-1609	2,277778E+21	4,823187E+21	6,583033E+21	6,582981E+21	4,823113E+21	2,277711E+21	5,137585E+20	4,073682E+18	0,000000E+00	0,000000E+00	4,072932E+18	5,136623E+20
-1608	2,277509E+21	4,823053E+21	6,583364E+21	6,583446E+21	4,823360E+21	2,277782E+21	5,137855E+20	4,076257E+18	0,000000E+00	0,000000E+00	4,076173E+18	5,137552E+20
-1607	2,277809E+21	4,823421E+21	6,583472E+21	6,583366E+21	4,823132E+21	2,277556E+21	5,136491E+20	4,073463E+18	0,000000E+00	0,000000E+00	4,073505E+18	5,137670E+20
-1606	2,277705E+21	4,823163E+21	6,583195E+21	6,583352E+21	4,823424E+21	2,277825E+21	5,137886E+20	4,073219E+18	0,000000E+00	0,000000E+00	4,073464E+18	5,136558E+20
-1605	2,277571E+21	4,823175E+21	6,583358E+21	6,583371E+21	4,823271E+21	2,277687E+21	5,137266E+20	4,076452E+18	0,000000E+00	0,000000E+00	4,077033E+18	5,138158E+20
-1604	2,277854E+21	4,823362E+21	6,583227E+21	6,583026E+21	4,822979E+21	2,277576E+21	5,136911E+20	4,073876E+18	0,000000E+00	0,000000E+00	4,075005E+18	5,137460E+20
-1603	2,277578E+21	4,822877E+21	6,582965E+21	6,583102E+21	4,823182E+21	2,277782E+21	5,138471E+20	4,078784E+18	0,000000E+00	0,000000E+00	4,078498E+18	5,137108E+20
-1602	2,277594E+21	4,823023E+21	6,582975E+21	6,582868E+21	4,822779E+21	2,277474E+21	5,137138E+20	4,079677E+18	0,000000E+00	0,000000E+00	4,081339E+18	5,138675E+20
-1601	2,277693E+21	4,822853E+21	6,582557E+21	6,582436E+21	4,822629E+21	2,277533E+21	5,137855E+20	4,079927E+18	0,000000E+00	0,000000E+00	4,081404E+18	5,137543E+20
-1600	2,277347E+21	4,822317E+21	6,582337E+21	6,582497E+21	4,822725E+21	2,277647E+21	5,138843E+20	4,085403E+18	0,000000E+00	0,000000E+00	4,085292E+18	5,138272E+20
-1599	2,277565E+21	4,822543E+21	6,582239E+21	6,582139E+21	4,822240E+21	2,277314E+21	5,137446E+20	4,084008E+18	0,000000E+00	0,000000E+00	4,086454E+18	5,139067E+20
-1598	2,277532E+21	4,822261E+21	6,581788E+21	6,581841E+21	4,822324E+21	2,277535E+21	5,138870E+20	4,086061E+18	0,000000E+00	0,000000E+00	4,085427E+18	5,137648E+20
-1597	2,277271E+21	4,822098E+21	6,581925E+21	6,581941E+21	4,822253E+21	2,277467E+21	5,138753E+20	4,088457E+18	0,000000E+00	0,000000E+00	4,088189E+18	5,138913E+20

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	2,277566E+21	4,822396E+21	6,581953E+21	6,581745E+21	4,821983E+21	2,277286E+21	5,137889E+20	4,086738E+18	0,000000E+00	0,000000E+00	4,087131E+18	5,138644E+20
-1595	2,277365E+21	4,822017E+21	6,581757E+21	6,581965E+21	4,822405E+21	2,277577E+21	5,139236E+20	4,087306E+18	0,000000E+00	0,000000E+00	4,085398E+18	5,137705E+20
-1594	2,277364E+21	4,822304E+21	6,582088E+21	6,582068E+21	4,822277E+21	2,277378E+21	5,137914E+20	4,086071E+18	0,000000E+00	0,000000E+00	4,087764E+18	5,139253E+20
-1593	2,277648E+21	4,822544E+21	6,582125E+21	6,581997E+21	4,822288E+21	2,277417E+21	5,137772E+20	4,082353E+18	0,000000E+00	0,000000E+00	4,082189E+18	5,137873E+20
-1592	2,277389E+21	4,822308E+21	6,582271E+21	6,582477E+21	4,822752E+21	2,277669E+21	5,138812E+20	4,082662E+18	0,000000E+00	0,000000E+00	4,082026E+18	5,137667E+20
-1591	2,277585E+21	4,822823E+21	6,582675E+21	6,582592E+21	4,822578E+21	2,277415E+21	5,137167E+20	4,081162E+18	0,000000E+00	0,000000E+00	4,081510E+18	5,138544E+20
-1590	2,277654E+21	4,822825E+21	6,582604E+21	6,582600E+21	4,822826E+21	2,277631E+21	5,137952E+20	4,077690E+18	0,000000E+00	0,000000E+00	4,076800E+18	5,136927E+20
-1589	2,277391E+21	4,822638E+21	6,582791E+21	6,582913E+21	4,823004E+21	2,277699E+21	5,138276E+20	4,080716E+18	0,000000E+00	0,000000E+00	4,080483E+18	5,137949E+20
-1588	2,277713E+21	4,823044E+21	6,582923E+21	6,582792E+21	4,822733E+21	2,277461E+21	5,136886E+20	4,077750E+18	0,000000E+00	0,000000E+00	4,078351E+18	5,138191E+20
-1587	2,277624E+21	4,822771E+21	6,582625E+21	6,582797E+21	4,823023E+21	2,277716E+21	5,138261E+20	4,077723E+18	0,000000E+00	0,000000E+00	4,078290E+18	5,137030E+20
-1586	2,277509E+21	4,822848E+21	6,582805E+21	6,582758E+21	4,822816E+21	2,277561E+21	5,137639E+20	4,081041E+18	0,000000E+00	0,000000E+00	4,081991E+18	5,138592E+20
-1585	2,277753E+21	4,823002E+21	6,582733E+21	6,582472E+21	4,822511E+21	2,277427E+21	5,137251E+20	4,078525E+18	0,000000E+00	0,000000E+00	4,079914E+18	5,137833E+20
-1584	2,277444E+21	4,822424E+21	6,582382E+21	6,582560E+21	4,822779E+21	2,277673E+21	5,138954E+20	4,084101E+18	0,000000E+00	0,000000E+00	4,083742E+18	5,137544E+20
-1583	2,277444E+21	4,822530E+21	6,582377E+21	6,582335E+21	4,822396E+21	2,277381E+21	5,137691E+20	4,085220E+18	0,000000E+00	0,000000E+00	4,086546E+18	5,139141E+20
-1582	2,277566E+21	4,822369E+21	6,581908E+21	6,581839E+21	4,822220E+21	2,277436E+21	5,138344E+20	4,085109E+18	0,000000E+00	0,000000E+00	4,086501E+18	5,138010E+20
-1581	2,277234E+21	4,821843E+21	6,581610E+21	6,581775E+21	4,822244E+21	2,277540E+21	5,139393E+20	4,090753E+18	0,000000E+00	0,000000E+00	4,089904E+18	5,138629E+20
-1580	2,277447E+21	4,822140E+21	6,581640E+21	6,581472E+21	4,821764E+21	2,277203E+21	5,137983E+20	4,089473E+18	0,000000E+00	0,000000E+00	4,091348E+18	5,139438E+20
-1579	2,277403E+21	4,821831E+21	6,581236E+21	6,581292E+21	4,821897E+21	2,277412E+21	5,139320E+20	4,091325E+18	0,000000E+00	0,000000E+00	4,090133E+18	5,138026E+20
-1578	2,277163E+21	4,821705E+21	6,581372E+21	6,581395E+21	4,821841E+21	2,277339E+21	5,139092E+20	4,093017E+18	0,000000E+00	0,000000E+00	4,093249E+18	5,139396E+20
-1577	2,277466E+21	4,822017E+21	6,581452E+21	6,581256E+21	4,821598E+21	2,277155E+21	5,138076E+20	4,090330E+18	0,000000E+00	0,000000E+00	4,091590E+18	5,139114E+20
-1576	2,277286E+21	4,821654E+21	6,581243E+21	6,581491E+21	4,822075E+21	2,277488E+21	5,139508E+20	4,090620E+18	0,000000E+00	0,000000E+00	4,089481E+18	5,138127E+20
-1575	2,277289E+21	4,821992E+21	6,581659E+21	6,581652E+21	4,821979E+21	2,277309E+21	5,138288E+20	4,089753E+18	0,000000E+00	0,000000E+00	4,091187E+18	5,139520E+20
-1574	2,277565E+21	4,822256E+21	6,581718E+21	6,581583E+21	4,821990E+21	2,277348E+21	5,138131E+20	4,085909E+18	0,000000E+00	0,000000E+00	4,085322E+18	5,138063E+20
-1573	2,277279E+21	4,821967E+21	6,581783E+21	6,581985E+21	4,822401E+21	2,277589E+21	5,139275E+20	4,087017E+18	0,000000E+00	0,000000E+00	4,085577E+18	5,137880E+20
-1572	2,277458E+21	4,822457E+21	6,582197E+21	6,582121E+21	4,822243E+21	2,277330E+21	5,137592E+20	4,085716E+18	0,000000E+00	0,000000E+00	4,085842E+18	5,138940E+20
-1571	2,277541E+21	4,822409E+21	6,582059E+21	6,582115E+21	4,822484E+21	2,277533E+21	5,138301E+20	4,082023E+18	0,000000E+00	0,000000E+00	4,081442E+18	5,137442E+20
-1570	2,277334E+21	4,822297E+21	6,582227E+21	6,582329E+21	4,822585E+21	2,277577E+21	5,138567E+20	4,084769E+18	0,000000E+00	0,000000E+00	4,085322E+18	5,138481E+20
-1569	2,277654E+21	4,822733E+21	6,582425E+21	6,582236E+21	4,822290E+21	2,277319E+21	5,137121E+20	4,081384E+18	0,000000E+00	0,000000E+00	4,082589E+18	5,138576E+20
-1568	2,277540E+21	4,822438E+21	6,582133E+21	6,582278E+21	4,822628E+21	2,277610E+21	5,138661E+20	4,082223E+18	0,000000E+00	0,000000E+00	4,082723E+18	5,137352E+20
-1567	2,277377E+21	4,822468E+21	6,582358E+21	6,582315E+21	4,822458E+21	2,277469E+21	5,138168E+20	4,086243E+18	0,000000E+00	0,000000E+00	4,086433E+18	5,138872E+20
-1566	2,277601E+21	4,822547E+21	6,582182E+21	6,581992E+21	4,822168E+21	2,277338E+21	5,137735E+20	4,083676E+18	0,000000E+00	0,000000E+00	4,084937E+18	5,138218E+20
-1565	2,277294E+21	4,821911E+21	6,581671E+21	6,581909E+21	4,822357E+21	2,277583E+21	5,139516E+20	4,089668E+18	0,000000E+00	0,000000E+00	4,088928E+18	5,138022E+20
-1564	2,277312E+21	4,822042E+21	6,581681E+21	6,581650E+21	4,821935E+21	2,277275E+21	5,138219E+20	4,090651E+18	0,000000E+00	0,000000E+00	4,092057E+18	5,139666E+20
-1563	2,277451E+21	4,821886E+21	6,581212E+21	6,581166E+21	4,821749E+21	2,277313E+21	5,138822E+20	4,090518E+18	0,000000E+00	0,000000E+00	4,091758E+18	5,138522E+20
-1562	2,277154E+21	4,821463E+21	6,580985E+21	6,581075E+21	4,821717E+21	2,277389E+21	5,139789E+20	4,095724E+18	0,000000E+00	0,000000E+00	4,095113E+18	5,139107E+20
-1561	2,277341E+21	4,821762E+21	6,581116E+21	6,580888E+21	4,821270E+21	2,277037E+21	5,138288E+20	4,094069E+18	0,000000E+00	0,000000E+00	4,096288E+18	5,139870E+20

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	2,277290E+21	4,821424E+21	6,580698E+21	6,580788E+21	4,821520E+21	2,277296E+21	5,139651E+20	4,095823E+18	0,000000E+00	0,000000E+00	4,095042E+18	5,138512E+20
-1559	2,277056E+21	4,821318E+21	6,580887E+21	6,580946E+21	4,821516E+21	2,277252E+21	5,139480E+20	4,097356E+18	0,000000E+00	0,000000E+00	4,097669E+18	5,139823E+20
-1558	2,277382E+21	4,821657E+21	6,580953E+21	6,580801E+21	4,821290E+21	2,277079E+21	5,138416E+20	4,094172E+18	0,000000E+00	0,000000E+00	4,095387E+18	5,139433E+20
-1557	2,277196E+21	4,821307E+21	6,580698E+21	6,580945E+21	4,821719E+21	2,277415E+21	5,139956E+20	4,094680E+18	0,000000E+00	0,000000E+00	4,092825E+18	5,138339E+20
-1556	2,277176E+21	4,821664E+21	6,581200E+21	6,581159E+21	4,821635E+21	2,277236E+21	5,138763E+20	4,094212E+18	0,000000E+00	0,000000E+00	4,094770E+18	5,139707E+20
-1555	2,277430E+21	4,821871E+21	6,581255E+21	6,581154E+21	4,821669E+21	2,277261E+21	5,138545E+20	4,090286E+18	0,000000E+00	0,000000E+00	4,089128E+18	5,138377E+20
-1554	2,277183E+21	4,821617E+21	6,581272E+21	6,581473E+21	4,822033E+21	2,277477E+21	5,139572E+20	4,090970E+18	0,000000E+00	0,000000E+00	4,090120E+18	5,138343E+20
-1553	2,277372E+21	4,822109E+21	6,581712E+21	6,581626E+21	4,821860E+21	2,277202E+21	5,137781E+20	4,089028E+18	0,000000E+00	0,000000E+00	4,090097E+18	5,139431E+20
-1552	2,277479E+21	4,822077E+21	6,581558E+21	6,581626E+21	4,822133E+21	2,277429E+21	5,138549E+20	4,085575E+18	0,000000E+00	0,000000E+00	4,085793E+18	5,137910E+20
-1551	2,277264E+21	4,821995E+21	6,581796E+21	6,581876E+21	4,822246E+21	2,277486E+21	5,138950E+20	4,088956E+18	0,000000E+00	0,000000E+00	4,089229E+18	5,138791E+20
-1550	2,277562E+21	4,822414E+21	6,581989E+21	6,581784E+21	4,821949E+21	2,277231E+21	5,137554E+20	4,085821E+18	0,000000E+00	0,000000E+00	4,086585E+18	5,138813E+20
-1549	2,277402E+21	4,822021E+21	6,581570E+21	6,581721E+21	4,822229E+21	2,277519E+21	5,139248E+20	4,087817E+18	0,000000E+00	0,000000E+00	4,087330E+18	5,137666E+20
-1548	2,277212E+21	4,821979E+21	6,581739E+21	6,581745E+21	4,822075E+21	2,277381E+21	5,138746E+20	4,092004E+18	0,000000E+00	0,000000E+00	4,091821E+18	5,139326E+20
-1547	2,277451E+21	4,822014E+21	6,581479E+21	6,581359E+21	4,821746E+21	2,277231E+21	5,138233E+20	4,089226E+18	0,000000E+00	0,000000E+00	4,090783E+18	5,138846E+20
-1546	2,277210E+21	4,821460E+21	6,580931E+21	6,581143E+21	4,821828E+21	2,277437E+21	5,139906E+20	4,094737E+18	0,000000E+00	0,000000E+00	4,094645E+18	5,138637E+20
-1545	2,277228E+21	4,821635E+21	6,581046E+21	6,580951E+21	4,821396E+21	2,277104E+21	5,138516E+20	4,095077E+18	0,000000E+00	0,000000E+00	4,097154E+18	5,140142E+20
-1544	2,277356E+21	4,821497E+21	6,580642E+21	6,580553E+21	4,821274E+21	2,277171E+21	5,139193E+20	4,095455E+18	0,000000E+00	0,000000E+00	4,096717E+18	5,138930E+20
-1543	2,277028E+21	4,821074E+21	6,580517E+21	6,580590E+21	4,821319E+21	2,277268E+21	5,140224E+20	4,100717E+18	0,000000E+00	0,000000E+00	4,099665E+18	5,139457E+20
-1542	2,277215E+21	4,821352E+21	6,580611E+21	6,580431E+21	4,820940E+21	2,276946E+21	5,138691E+20	4,098729E+18	0,000000E+00	0,000000E+00	4,100899E+18	5,140232E+20
-1541	2,277163E+21	4,820991E+21	6,580103E+21	6,580231E+21	4,821160E+21	2,277220E+21	5,140126E+20	4,100490E+18	0,000000E+00	0,000000E+00	4,099367E+18	5,138918E+20
-1540	2,276948E+21	4,820919E+21	6,580330E+21	6,580416E+21	4,821179E+21	2,277183E+21	5,139951E+20	4,101852E+18	0,000000E+00	0,000000E+00	4,101900E+18	5,140162E+20
-1539	2,277279E+21	4,821269E+21	6,580408E+21	6,580286E+21	4,820953E+21	2,277002E+21	5,138845E+20	4,098576E+18	0,000000E+00	0,000000E+00	4,099304E+18	5,139771E+20
-1538	2,277120E+21	4,820997E+21	6,580196E+21	6,580376E+21	4,821306E+21	2,277302E+21	5,140311E+20	4,098697E+18	0,000000E+00	0,000000E+00	4,096835E+18	5,138674E+20
-1537	2,277070E+21	4,821319E+21	6,580761E+21	6,580688E+21	4,821240E+21	2,277100E+21	5,139011E+20	4,097941E+18	0,000000E+00	0,000000E+00	4,098753E+18	5,140053E+20
-1536	2,277326E+21	4,821502E+21	6,580777E+21	6,580712E+21	4,821346E+21	2,277157E+21	5,138800E+20	4,094003E+18	0,000000E+00	0,000000E+00	4,093445E+18	5,138857E+20
-1535	2,277102E+21	4,821291E+21	6,580845E+21	6,581042E+21	4,821715E+21	2,277383E+21	5,139862E+20	4,094683E+18	0,000000E+00	0,000000E+00	4,094265E+18	5,138797E+20
-1534	2,277315E+21	4,821803E+21	6,581256E+21	6,581169E+21	4,821545E+21	2,277120E+21	5,138094E+20	4,092627E+18	0,000000E+00	0,000000E+00	4,093744E+18	5,139741E+20
-1533	2,277398E+21	4,821759E+21	6,581056E+21	6,581088E+21	4,821767E+21	2,277346E+21	5,138995E+20	4,089960E+18	0,000000E+00	0,000000E+00	4,089538E+18	5,138171E+20
-1532	2,277151E+21	4,821647E+21	6,581320E+21	6,581379E+21	4,821891E+21	2,277403E+21	5,139464E+20	4,094044E+18	0,000000E+00	0,000000E+00	4,093371E+18	5,139000E+20
-1531	2,277404E+21	4,821958E+21	6,581441E+21	6,581294E+21	4,821602E+21	2,277140E+21	5,138056E+20	4,091096E+18	0,000000E+00	0,000000E+00	4,091439E+18	5,139214E+20
-1530	2,277279E+21	4,821572E+21	6,580938E+21	6,581091E+21	4,821789E+21	2,277395E+21	5,139651E+20	4,092836E+18	0,000000E+00	0,000000E+00	4,092998E+18	5,138253E+20
-1529	2,277098E+21	4,821509E+21	6,581098E+21	6,581099E+21	4,821594E+21	2,277234E+21	5,139051E+20	4,096305E+18	0,000000E+00	0,000000E+00	4,097223E+18	5,139906E+20
-1528	2,277360E+21	4,821575E+21	6,580822E+21	6,580706E+21	4,821287E+21	2,277102E+21	5,138581E+20	4,093792E+18	0,000000E+00	0,000000E+00	4,096242E+18	5,139427E+20
-1527	2,277126E+21	4,821091E+21	6,580384E+21	6,580522E+21	4,821364E+21	2,277307E+21	5,140316E+20	4,099651E+18	0,000000E+00	0,000000E+00	4,099364E+18	5,139045E+20
-1526	2,277128E+21	4,821260E+21	6,580524E+21	6,580383E+21	4,820961E+21	2,276985E+21	5,138971E+20	4,100108E+18	0,000000E+00	0,000000E+00	4,101707E+18	5,140419E+20
-1525	2,277211E+21	4,821052E+21	6,580059E+21	6,579970E+21	4,820845E+21	2,277059E+21	5,139748E+20	4,101299E+18	0,000000E+00	0,000000E+00	4,101550E+18	5,139293E+20

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												
-1524	2,276877E+21	4,820596E+21	6,579915E+21	6,580048E+21	4,820956E+21	2,277178E+21	5,140762E+20	4,106348E+18	0,000000E+00	0,000000E+00	4,104731E+18	5,139866E+20
-1523	2,277076E+21	4,820859E+21	6,579973E+21	6,579871E+21	4,820584E+21	2,276868E+21	5,139206E+20	4,104025E+18	0,000000E+00	0,000000E+00	4,106058E+18	5,140751E+20
-1522	2,277084E+21	4,820595E+21	6,579481E+21	6,579578E+21	4,820717E+21	2,277107E+21	5,140512E+20	4,104916E+18	0,000000E+00	0,000000E+00	4,104075E+18	5,139395E+20
-1521	2,276862E+21	4,820558E+21	6,579812E+21	6,579846E+21	4,820741E+21	2,277053E+21	5,140241E+20	4,105566E+18	0,000000E+00	0,000000E+00	4,105961E+18	5,140473E+20
-1520	2,277178E+21	4,820922E+21	6,579938E+21	6,579798E+21	4,820584E+21	2,276895E+21	5,139149E+20	4,102507E+18	0,000000E+00	0,000000E+00	4,103332E+18	5,140096E+20
-1519	2,277010E+21	4,820666E+21	6,579802E+21	6,579962E+21	4,820978E+21	2,277199E+21	5,140604E+20	4,102456E+18	0,000000E+00	0,000000E+00	4,100621E+18	5,139012E+20
-1518	2,276981E+21	4,820979E+21	6,580325E+21	6,580282E+21	4,820958E+21	2,277019E+21	5,139283E+20	4,101493E+18	0,000000E+00	0,000000E+00	4,102497E+18	5,140387E+20
-1517	2,277238E+21	4,821146E+21	6,580272E+21	6,580214E+21	4,821015E+21	2,277080E+21	5,139169E+20	4,097878E+18	0,000000E+00	0,000000E+00	4,097179E+18	5,139248E+20
-1516	2,277028E+21	4,820960E+21	6,580363E+21	6,580574E+21	4,821407E+21	2,277311E+21	5,140257E+20	4,098809E+18	0,000000E+00	0,000000E+00	4,098083E+18	5,139095E+20
-1515	2,277226E+21	4,821466E+21	6,580780E+21	6,580690E+21	4,821222E+21	2,277048E+21	5,138542E+20	4,097057E+18	0,000000E+00	0,000000E+00	4,097667E+18	5,140060E+20
-1514	2,277314E+21	4,821437E+21	6,580571E+21	6,580522E+21	4,821343E+21	2,277231E+21	5,139389E+20	4,094466E+18	0,000000E+00	0,000000E+00	4,094104E+18	5,138546E+20
-1513	2,277029E+21	4,821241E+21	6,580820E+21	6,580869E+21	4,821478E+21	2,277269E+21	5,139780E+20	4,098372E+18	0,000000E+00	0,000000E+00	4,098183E+18	5,139405E+20
-1512	2,277278E+21	4,821506E+21	6,580850E+21	6,580748E+21	4,821220E+21	2,277029E+21	5,138397E+20	4,095644E+18	0,000000E+00	0,000000E+00	4,096866E+18	5,139780E+20
-1511	2,277178E+21	4,821157E+21	6,580371E+21	6,580497E+21	4,821364E+21	2,277279E+21	5,140029E+20	4,097545E+18	0,000000E+00	0,000000E+00	4,098152E+18	5,138800E+20
-1510	2,277022E+21	4,821108E+21	6,580501E+21	6,580485E+21	4,821163E+21	2,277121E+21	5,139450E+20	4,100889E+18	0,000000E+00	0,000000E+00	4,101766E+18	5,140256E+20
-1509	2,277247E+21	4,821156E+21	6,580203E+21	6,580037E+21	4,820812E+21	2,276988E+21	5,139129E+20	4,099325E+18	0,000000E+00	0,000000E+00	4,100895E+18	5,139760E+20
-1508	2,276990E+21	4,820655E+21	6,579813E+21	6,579944E+21	4,820938E+21	2,277195E+21	5,140873E+20	4,105564E+18	0,000000E+00	0,000000E+00	4,104151E+18	5,139326E+20
-1507	2,276963E+21	4,820759E+21	6,579916E+21	6,579830E+21	4,820575E+21	2,276888E+21	5,139538E+20	4,105951E+18	0,000000E+00	0,000000E+00	4,107139E+18	5,140885E+20
-1506	2,277088E+21	4,820583E+21	6,579413E+21	6,579322E+21	4,820392E+21	2,276937E+21	5,140174E+20	4,106587E+18	0,000000E+00	0,000000E+00	4,107307E+18	5,139898E+20
-1505	2,276772E+21	4,820141E+21	6,579302E+21	6,579443E+21	4,820505E+21	2,277044E+21	5,141064E+20	4,110488E+18	0,000000E+00	0,000000E+00	4,109914E+18	5,140396E+20
-1504	2,276990E+21	4,820450E+21	6,579376E+21	6,579292E+21	4,820188E+21	2,276762E+21	5,139535E+20	4,108180E+18	0,000000E+00	0,000000E+00	4,111010E+18	5,141241E+20
-1503	2,277006E+21	4,820279E+21	6,579023E+21	6,579042E+21	4,820316E+21	2,277001E+21	5,140855E+20	4,108894E+18	0,000000E+00	0,000000E+00	4,108030E+18	5,139752E+20
-1502	2,276778E+21	4,820228E+21	6,579365E+21	6,579371E+21	4,820379E+21	2,276955E+21	5,140597E+20	4,109551E+18	0,000000E+00	0,000000E+00	4,109517E+18	5,140649E+20
-1501	2,277046E+21	4,820528E+21	6,579439E+21	6,579314E+21	4,820238E+21	2,276807E+21	5,139583E+20	4,107036E+18	0,000000E+00	0,000000E+00	4,107170E+18	5,140427E+20
-1500	2,276902E+21	4,820281E+21	6,579296E+21	6,579507E+21	4,820675E+21	2,277118E+21	5,140983E+20	4,106793E+18	0,000000E+00	0,000000E+00	4,104656E+18	5,139369E+20
-1499	2,276888E+21	4,820597E+21	6,579795E+21	6,579796E+21	4,820648E+21	2,276952E+21	5,139703E+20	4,105807E+18	0,000000E+00	0,000000E+00	4,106641E+18	5,140827E+20
-1498	2,277190E+21	4,820846E+21	6,579775E+21	6,579657E+21	4,820615E+21	2,276971E+21	5,139477E+20	4,101695E+18	0,000000E+00	0,000000E+00	4,101244E+18	5,139646E+20
-1497	2,276959E+21	4,820664E+21	6,579941E+21	6,580083E+21	4,821003E+21	2,277187E+21	5,140521E+20	4,102391E+18	0,000000E+00	0,000000E+00	4,101925E+18	5,139346E+20
-1496	2,277117E+21	4,821123E+21	6,580343E+21	6,580248E+21	4,820881E+21	2,276952E+21	5,138886E+20	4,101168E+18	0,000000E+00	0,000000E+00	4,101894E+18	5,140358E+20
-1495	2,277188E+21	4,821078E+21	6,580147E+21	6,580078E+21	4,820997E+21	2,277130E+21	5,139737E+20	4,098692E+18	0,000000E+00	0,000000E+00	4,098648E+18	5,138959E+20
-1494	2,276922E+21	4,820822E+21	6,580278E+21	6,580367E+21	4,821134E+21	2,277181E+21	5,140142E+20	4,102637E+18	0,000000E+00	0,000000E+00	4,102670E+18	5,139764E+20
-1493	2,277152E+21	4,821044E+21	6,580216E+21	6,580137E+21	4,820812E+21	2,276938E+21	5,138885E+20	4,100524E+18	0,000000E+00	0,000000E+00	4,101699E+18	5,140259E+20
-1492	2,277079E+21	4,820722E+21	6,579737E+21	6,579883E+21	4,820948E+21	2,277175E+21	5,140528E+20	4,102933E+18	0,000000E+00	0,000000E+00	4,102990E+18	5,139176E+20
-1491	2,276906E+21	4,820673E+21	6,579879E+21	6,579849E+21	4,820723E+21	2,277022E+21	5,140034E+20	4,106581E+18	0,000000E+00	0,000000E+00	4,106780E+18	5,140667E+20
-1490	2,277133E+21	4,820731E+21	6,579597E+21	6,579361E+21	4,820288E+21	2,276840E+21	5,139617E+20	4,105102E+18	0,000000E+00	0,000000E+00	4,106543E+18	5,140250E+20
-1489	2,276855E+21	4,820181E+21	6,579217E+21	6,579347E+21	4,820454E+21	2,277039E+21	5,141224E+20	4,110632E+18	0,000000E+00	0,000000E+00	4,109861E+18	5,139862E+20

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	2,276840E+21	4,820276E+21	6,579272E+21	6,579230E+21	4,820160E+21	2,276773E+21	5,139924E+20	4,110864E+18	0,000000E+00	0,000000E+00	4,113194E+18	5,141520E+20
-1487	2,276996E+21	4,820176E+21	6,578841E+21	6,578721E+21	4,819961E+21	2,276822E+21	5,140539E+20	4,111180E+18	0,000000E+00	0,000000E+00	4,112505E+18	5,140471E+20
-1486	2,276709E+21	4,819771E+21	6,578741E+21	6,578875E+21	4,820106E+21	2,276942E+21	5,141423E+20	4,114587E+18	0,000000E+00	0,000000E+00	4,113979E+18	5,140659E+20
-1485	2,276873E+21	4,820065E+21	6,578829E+21	6,578711E+21	4,819776E+21	2,276669E+21	5,140038E+20	4,113045E+18	0,000000E+00	0,000000E+00	4,114877E+18	5,141469E+20
-1484	2,276873E+21	4,819875E+21	6,578519E+21	6,578566E+21	4,819966E+21	2,276909E+21	5,141334E+20	4,113805E+18	0,000000E+00	0,000000E+00	4,111685E+18	5,139936E+20
-1483	2,276635E+21	4,819801E+21	6,578839E+21	6,578906E+21	4,820064E+21	2,276883E+21	5,141072E+20	4,114257E+18	0,000000E+00	0,000000E+00	4,113770E+18	5,141024E+20
-1482	2,276949E+21	4,820147E+21	6,578896E+21	6,578764E+21	4,819849E+21	2,276702E+21	5,139912E+20	4,111128E+18	0,000000E+00	0,000000E+00	4,111616E+18	5,140929E+20
-1481	2,276834E+21	4,819944E+21	6,578819E+21	6,579019E+21	4,820293E+21	2,276998E+21	5,141163E+20	4,109877E+18	0,000000E+00	0,000000E+00	4,108824E+18	5,139816E+20
-1480	2,276837E+21	4,820305E+21	6,579335E+21	6,579331E+21	4,820318E+21	2,276862E+21	5,139969E+20	4,109255E+18	0,000000E+00	0,000000E+00	4,110747E+18	5,141204E+20
-1479	2,277125E+21	4,820611E+21	6,579430E+21	6,579224E+21	4,820264E+21	2,276872E+21	5,139769E+20	4,105233E+18	0,000000E+00	0,000000E+00	4,104878E+18	5,139950E+20
-1478	2,276875E+21	4,820361E+21	6,579552E+21	6,579684E+21	4,820681E+21	2,277095E+21	5,140857E+20	4,106343E+18	0,000000E+00	0,000000E+00	4,105502E+18	5,139493E+20
-1477	2,276964E+21	4,820694E+21	6,579826E+21	6,579779E+21	4,820550E+21	2,276873E+21	5,139359E+20	4,105936E+18	0,000000E+00	0,000000E+00	4,106172E+18	5,140706E+20
-1476	2,277058E+21	4,820620E+21	6,579554E+21	6,579570E+21	4,820662E+21	2,277049E+21	5,140216E+20	4,103690E+18	0,000000E+00	0,000000E+00	4,103426E+18	5,139391E+20
-1475	2,276814E+21	4,820366E+21	6,579621E+21	6,579757E+21	4,820743E+21	2,277103E+21	5,140679E+20	4,107810E+18	0,000000E+00	0,000000E+00	4,107716E+18	5,140284E+20
-1474	2,277072E+21	4,820643E+21	6,579569E+21	6,579428E+21	4,820303E+21	2,276805E+21	5,139324E+20	4,105524E+18	0,000000E+00	0,000000E+00	4,106953E+18	5,140772E+20
-1473	2,276987E+21	4,820331E+21	6,579170E+21	6,579247E+21	4,820424E+21	2,277012E+21	5,140846E+20	4,107694E+18	0,000000E+00	0,000000E+00	4,108216E+18	5,139601E+20
-1472	2,276786E+21	4,820245E+21	6,579304E+21	6,579274E+21	4,820272E+21	2,276886E+21	5,140430E+20	4,111648E+18	0,000000E+00	0,000000E+00	4,112353E+18	5,141141E+20
-1471	2,277008E+21	4,820320E+21	6,579071E+21	6,578812E+21	4,819856E+21	2,276707E+21	5,139984E+20	4,110098E+18	0,000000E+00	0,000000E+00	4,112213E+18	5,140824E+20
-1470	2,276757E+21	4,819745E+21	6,578623E+21	6,578778E+21	4,820048E+21	2,276931E+21	5,141600E+20	4,115299E+18	0,000000E+00	0,000000E+00	4,114785E+18	5,140270E+20
-1469	2,276708E+21	4,819806E+21	6,578627E+21	6,578615E+21	4,819749E+21	2,276687E+21	5,140465E+20	4,115966E+18	0,000000E+00	0,000000E+00	4,118088E+18	5,141956E+20
-1468	2,276890E+21	4,819746E+21	6,578227E+21	6,578145E+21	4,819573E+21	2,276735E+21	5,141079E+20	4,116499E+18	0,000000E+00	0,000000E+00	4,116859E+18	5,140767E+20
-1467	2,276586E+21	4,819349E+21	6,578142E+21	6,578285E+21	4,819708E+21	2,276864E+21	5,142019E+20	4,119884E+18	0,000000E+00	0,000000E+00	4,118274E+18	5,140956E+20
-1466	2,276742E+21	4,819646E+21	6,578259E+21	6,578114E+21	4,819320E+21	2,276542E+21	5,140490E+20	4,118179E+18	0,000000E+00	0,000000E+00	4,119541E+18	5,141859E+20
-1465	2,276749E+21	4,819451E+21	6,577982E+21	6,578042E+21	4,819541E+21	2,276767E+21	5,141583E+20	4,117907E+18	0,000000E+00	0,000000E+00	4,116341E+18	5,140398E+20
-1464	2,276542E+21	4,819412E+21	6,578292E+21	6,578393E+21	4,819704E+21	2,276780E+21	5,141364E+20	4,118173E+18	0,000000E+00	0,000000E+00	4,118633E+18	5,141552E+20
-1463	2,276893E+21	4,819868E+21	6,578464E+21	6,578283E+21	4,819484E+21	2,276596E+21	5,140162E+20	4,114615E+18	0,000000E+00	0,000000E+00	4,115665E+18	5,141399E+20
-1462	2,276797E+21	4,819693E+21	6,578412E+21	6,578582E+21	4,819963E+21	2,276904E+21	5,141408E+20	4,113111E+18	0,000000E+00	0,000000E+00	4,112010E+18	5,139982E+20
-1461	2,276729E+21	4,819993E+21	6,578918E+21	6,578897E+21	4,820000E+21	2,276792E+21	5,140417E+20	4,113452E+18	0,000000E+00	0,000000E+00	4,114118E+18	5,141373E+20
-1460	2,276995E+21	4,820238E+21	6,578988E+21	6,578854E+21	4,819988E+21	2,276799E+21	5,140214E+20	4,109741E+18	0,000000E+00	0,000000E+00	4,108525E+18	5,140147E+20
-1459	2,276737E+21	4,819935E+21	6,579005E+21	6,579226E+21	4,820390E+21	2,277037E+21	5,141358E+20	4,111101E+18	0,000000E+00	0,000000E+00	4,110049E+18	5,139910E+20
-1458	2,276847E+21	4,820258E+21	6,579214E+21	6,579181E+21	4,820132E+21	2,276765E+21	5,139753E+20	4,110426E+18	0,000000E+00	0,000000E+00	4,111171E+18	5,141255E+20
-1457	2,276974E+21	4,820213E+21	6,578961E+21	6,578970E+21	4,820199E+21	2,276910E+21	5,140479E+20	4,107657E+18	0,000000E+00	0,000000E+00	4,108568E+18	5,139949E+20
-1456	2,276748E+21	4,820007E+21	6,579031E+21	6,579138E+21	4,820295E+21	2,276980E+21	5,141039E+20	4,112292E+18	0,000000E+00	0,000000E+00	4,112878E+18	5,140779E+20
-1455	2,276992E+21	4,820334E+21	6,579084E+21	6,578838E+21	4,819829E+21	2,276666E+21	5,139703E+20	4,110186E+18	0,000000E+00	0,000000E+00	4,111904E+18	5,141229E+20
-1454	2,276890E+21	4,819957E+21	6,578664E+21	6,578725E+21	4,819997E+21	2,276877E+21	5,141203E+20	4,112641E+18	0,000000E+00	0,000000E+00	4,112935E+18	5,139908E+20
-1453	2,276628E+21	4,819763E+21	6,578692E+21	6,578710E+21	4,819870E+21	2,276783E+21	5,140960E+20	4,117189E+18	0,000000E+00	0,000000E+00	4,117584E+18	5,141593E+20

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	2,276870E+21	4,819810E+21	6,578407E+21	6,578250E+21	4,819478E+21	2,276617E+21	5,140549E+20	4,115925E+18	0,000000E+00	0,000000E+00	4,117512E+18	5,141268E+20
-1451	2,276634E+21	4,819267E+21	6,577937E+21	6,578146E+21	4,819644E+21	2,276856E+21	5,142220E+20	4,120953E+18	0,000000E+00	0,000000E+00	4,119897E+18	5,140736E+20
-1450	2,276591E+21	4,819360E+21	6,577964E+21	6,577912E+21	4,819246E+21	2,276565E+21	5,141001E+20	4,121394E+18	0,000000E+00	0,000000E+00	4,123058E+18	5,142343E+20
-1449	2,276764E+21	4,819318E+21	6,577647E+21	6,577530E+21	4,819080E+21	2,276591E+21	5,141454E+20	4,121296E+18	0,000000E+00	0,000000E+00	4,121657E+18	5,141135E+20
-1448	2,276458E+21	4,818922E+21	6,577564E+21	6,577725E+21	4,819290E+21	2,276738E+21	5,142385E+20	4,124472E+18	0,000000E+00	0,000000E+00	4,123280E+18	5,141393E+20
-1447	2,276631E+21	4,819277E+21	6,577754E+21	6,577593E+21	4,818925E+21	2,276418E+21	5,140757E+20	4,122263E+18	0,000000E+00	0,000000E+00	4,124364E+18	5,142410E+20
-1446	2,276684E+21	4,819114E+21	6,577494E+21	6,577568E+21	4,819189E+21	2,276654E+21	5,141765E+20	4,121271E+18	0,000000E+00	0,000000E+00	4,120258E+18	5,140776E+20
-1445	2,276459E+21	4,819076E+21	6,577803E+21	6,577917E+21	4,819375E+21	2,276699E+21	5,141731E+20	4,121980E+18	0,000000E+00	0,000000E+00	4,122483E+18	5,141919E+20
-1444	2,276823E+21	4,819560E+21	6,578022E+21	6,577879E+21	4,819203E+21	2,276530E+21	5,140590E+20	4,118811E+18	0,000000E+00	0,000000E+00	4,118907E+18	5,141593E+20
-1443	2,276699E+21	4,819386E+21	6,577981E+21	6,578153E+21	4,819666E+21	2,276849E+21	5,141924E+20	4,117534E+18	0,000000E+00	0,000000E+00	4,115633E+18	5,140218E+20
-1442	2,276597E+21	4,819615E+21	6,578434E+21	6,578411E+21	4,819632E+21	2,276693E+21	5,140847E+20	4,118013E+18	0,000000E+00	0,000000E+00	4,118321E+18	5,141701E+20
-1441	2,276869E+21	4,819824E+21	6,578459E+21	6,578357E+21	4,819610E+21	2,276681E+21	5,140474E+20	4,113593E+18	0,000000E+00	0,000000E+00	4,113320E+18	5,140653E+20
-1440	2,276649E+21	4,819536E+21	6,578398E+21	6,578655E+21	4,820008E+21	2,276935E+21	5,141680E+20	4,115216E+18	0,000000E+00	0,000000E+00	4,115238E+18	5,140489E+20
-1439	2,276787E+21	4,819945E+21	6,578693E+21	6,578602E+21	4,819703E+21	2,276640E+21	5,140046E+20	4,114343E+18	0,000000E+00	0,000000E+00	4,115864E+18	5,141797E+20
-1438	2,276926E+21	4,819916E+21	6,578468E+21	6,578414E+21	4,819764E+21	2,276775E+21	5,140764E+20	4,111853E+18	0,000000E+00	0,000000E+00	4,112576E+18	5,140189E+20
-1437	2,276617E+21	4,819625E+21	6,578523E+21	6,578598E+21	4,819878E+21	2,276871E+21	5,141552E+20	4,117530E+18	0,000000E+00	0,000000E+00	4,117186E+18	5,141045E+20
-1436	2,276841E+21	4,819883E+21	6,578543E+21	6,578371E+21	4,819475E+21	2,276568E+21	5,140255E+20	4,115884E+18	0,000000E+00	0,000000E+00	4,116629E+18	5,141520E+20
-1435	2,276731E+21	4,819467E+21	6,578028E+21	6,578161E+21	4,819632E+21	2,276804E+21	5,141812E+20	4,118526E+18	0,000000E+00	0,000000E+00	4,118364E+18	5,140401E+20
-1434	2,276483E+21	4,819246E+21	6,577992E+21	6,578037E+21	4,819407E+21	2,276672E+21	5,141493E+20	4,122693E+18	0,000000E+00	0,000000E+00	4,123234E+18	5,142142E+20
-1433	2,276756E+21	4,819332E+21	6,577725E+21	6,577581E+21	4,818991E+21	2,276482E+21	5,140946E+20	4,120904E+18	0,000000E+00	0,000000E+00	4,123279E+18	5,141829E+20
-1432	2,276538E+21	4,818841E+21	6,577265E+21	6,577458E+21	4,819169E+21	2,276734E+21	5,142670E+20	4,126030E+18	0,000000E+00	0,000000E+00	4,125295E+18	5,141226E+20
-1431	2,276483E+21	4,818988E+21	6,577422E+21	6,577290E+21	4,818754E+21	2,276419E+21	5,141385E+20	4,126239E+18	0,000000E+00	0,000000E+00	4,128135E+18	5,142804E+20
-1430	2,276657E+21	4,818918E+21	6,577111E+21	6,576989E+21	4,818646E+21	2,276444E+21	5,141728E+20	4,125813E+18	0,000000E+00	0,000000E+00	4,126121E+18	5,141482E+20
-1429	2,276322E+21	4,818483E+21	6,576991E+21	6,577185E+21	4,818910E+21	2,276633E+21	5,142783E+20	4,129024E+18	0,000000E+00	0,000000E+00	4,127937E+18	5,141872E+20
-1428	2,276539E+21	4,818872E+21	6,577203E+21	6,577114E+21	4,818606E+21	2,276338E+21	5,141191E+20	4,126902E+18	0,000000E+00	0,000000E+00	4,128556E+18	5,142802E+20
-1427	2,276612E+21	4,818786E+21	6,576987E+21	6,577073E+21	4,818873E+21	2,276594E+21	5,142229E+20	4,125583E+18	0,000000E+00	0,000000E+00	4,124157E+18	5,141141E+20
-1426	2,276375E+21	4,818759E+21	6,577330E+21	6,577395E+21	4,818994E+21	2,276604E+21	5,142151E+20	4,126251E+18	0,000000E+00	0,000000E+00	4,126204E+18	5,142161E+20
-1425	2,276714E+21	4,819224E+21	6,577598E+21	6,577438E+21	4,818844E+21	2,276421E+21	5,140889E+20	4,122666E+18	0,000000E+00	0,000000E+00	4,122753E+18	5,141855E+20
-1424	2,276581E+21	4,819026E+21	6,577503E+21	6,577704E+21	4,819346E+21	2,276757E+21	5,142250E+20	4,121432E+18	0,000000E+00	0,000000E+00	4,120063E+18	5,140613E+20
-1423	2,276492E+21	4,819269E+21	6,577958E+21	6,577925E+21	4,819281E+21	2,276589E+21	5,141112E+20	4,121680E+18	0,000000E+00	0,000000E+00	4,122713E+18	5,142183E+20
-1422	2,276796E+21	4,819481E+21	6,577961E+21	6,577863E+21	4,819254E+21	2,276570E+21	5,140681E+20	4,116942E+18	0,000000E+00	0,000000E+00	4,117221E+18	5,141033E+20
-1421	2,276565E+21	4,819187E+21	6,577871E+21	6,578112E+21	4,819633E+21	2,276838E+21	5,142069E+20	4,119411E+18	0,000000E+00	0,000000E+00	4,119413E+18	5,140879E+20
-1420	2,276704E+21	4,819591E+21	6,578182E+21	6,578103E+21	4,819350E+21	2,276554E+21	5,140554E+20	4,119280E+18	0,000000E+00	0,000000E+00	4,119712E+18	5,142035E+20
-1419	2,276808E+21	4,819547E+21	6,577968E+21	6,577900E+21	4,819390E+21	2,276688E+21	5,141328E+20	4,117375E+18	0,000000E+00	0,000000E+00	4,117210E+18	5,140523E+20
-1418	2,276464E+21	4,819158E+21	6,577936E+21	6,578016E+21	4,819437E+21	2,276743E+21	5,142050E+20	4,123200E+18	0,000000E+00	0,000000E+00	4,122410E+18	5,141469E+20
-1417	2,276694E+21	4,819377E+21	6,577894E+21	6,577764E+21	4,819035E+21	2,276440E+21	5,140652E+20	4,121017E+18	0,000000E+00	0,000000E+00	4,122662E+18	5,142118E+20

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	2,276620E+21	4,818989E+21	6,577323E+21	6,577478E+21	4,819175E+21	2,276689E+21	5,142266E+20	4,123829E+18	0,000000E+00	0,000000E+00	4,124533E+18	5,141068E+20
-1415	2,276397E+21	4,818841E+21	6,577355E+21	6,577348E+21	4,818910E+21	2,276535E+21	5,141885E+20	4,127482E+18	0,000000E+00	0,000000E+00	4,128757E+18	5,142702E+20
-1414	2,276673E+21	4,818947E+21	6,577138E+21	6,576942E+21	4,818508E+21	2,276337E+21	5,141279E+20	4,125636E+18	0,000000E+00	0,000000E+00	4,128008E+18	5,142156E+20
-1413	2,276398E+21	4,818406E+21	6,576682E+21	6,576852E+21	4,818717E+21	2,276609E+21	5,143136E+20	4,131196E+18	0,000000E+00	0,000000E+00	4,129961E+18	5,141591E+20
-1412	2,276344E+21	4,818515E+21	6,576841E+21	6,576782E+21	4,818387E+21	2,276316E+21	5,141878E+20	4,131593E+18	0,000000E+00	0,000000E+00	4,132705E+18	5,143138E+20
-1411	2,276529E+21	4,818480E+21	6,576531E+21	6,576448E+21	4,818288E+21	2,276364E+21	5,142217E+20	4,130888E+18	0,000000E+00	0,000000E+00	4,130882E+18	5,141960E+20
-1410	2,276214E+21	4,818061E+21	6,576411E+21	6,576603E+21	4,818496E+21	2,276524E+21	5,143192E+20	4,133535E+18	0,000000E+00	0,000000E+00	4,132475E+18	5,142327E+20
-1409	2,276463E+21	4,818516E+21	6,576681E+21	6,576578E+21	4,818225E+21	2,276236E+21	5,141526E+20	4,130960E+18	0,000000E+00	0,000000E+00	4,133017E+18	5,143209E+20
-1408	2,276539E+21	4,818479E+21	6,576506E+21	6,576552E+21	4,818514E+21	2,276507E+21	5,142614E+20	4,129643E+18	0,000000E+00	0,000000E+00	4,128268E+18	5,141482E+20
-1407	2,276284E+21	4,818474E+21	6,576938E+21	6,576942E+21	4,818628E+21	2,276494E+21	5,142466E+20	4,130141E+18	0,000000E+00	0,000000E+00	4,130141E+18	5,142463E+20
-1406	2,276610E+21	4,818877E+21	6,577164E+21	6,577020E+21	4,818516E+21	2,276306E+21	5,141097E+20	4,126325E+18	0,000000E+00	0,000000E+00	4,126359E+18	5,142101E+20
-1405	2,276451E+21	4,818618E+21	6,576979E+21	6,577214E+21	4,819023E+21	2,276674E+21	5,142609E+20	4,125401E+18	0,000000E+00	0,000000E+00	4,124228E+18	5,141039E+20
-1404	2,276403E+21	4,818866E+21	6,577424E+21	6,577458E+21	4,818975E+21	2,276518E+21	5,141544E+20	4,126079E+18	0,000000E+00	0,000000E+00	4,126539E+18	5,142518E+20
-1403	2,276717E+21	4,819144E+21	6,577445E+21	6,577332E+21	4,818904E+21	2,276499E+21	5,141165E+20	4,121509E+18	0,000000E+00	0,000000E+00	4,121291E+18	5,141392E+20
-1402	2,276464E+21	4,818826E+21	6,577358E+21	6,577535E+21	4,819198E+21	2,276721E+21	5,142510E+20	4,124281E+18	0,000000E+00	0,000000E+00	4,123712E+18	5,141181E+20
-1401	2,276584E+21	4,819195E+21	6,577675E+21	6,577569E+21	4,818932E+21	2,276431E+21	5,140938E+20	4,124011E+18	0,000000E+00	0,000000E+00	4,124638E+18	5,142417E+20
-1400	2,276679E+21	4,819113E+21	6,577389E+21	6,577340E+21	4,818991E+21	2,276573E+21	5,141721E+20	4,122384E+18	0,000000E+00	0,000000E+00	4,122933E+18	5,141080E+20
-1399	2,276355E+21	4,818739E+21	6,577349E+21	6,577418E+21	4,819000E+21	2,276614E+21	5,142372E+20	4,127769E+18	0,000000E+00	0,000000E+00	4,128061E+18	5,142075E+20
-1398	2,276607E+21	4,818951E+21	6,577282E+21	6,577156E+21	4,818595E+21	2,276306E+21	5,140934E+20	4,125364E+18	0,000000E+00	0,000000E+00	4,127871E+18	5,142603E+20
-1397	2,276515E+21	4,818559E+21	6,576690E+21	6,576823E+21	4,818729E+21	2,276581E+21	5,142748E+20	4,128913E+18	0,000000E+00	0,000000E+00	4,129638E+18	5,141557E+20
-1396	2,276292E+21	4,818402E+21	6,576755E+21	6,576756E+21	4,818491E+21	2,276437E+21	5,142469E+20	4,133057E+18	0,000000E+00	0,000000E+00	4,133233E+18	5,142969E+20
-1395	2,276533E+21	4,818512E+21	6,576562E+21	6,576352E+21	4,818083E+21	2,276240E+21	5,141884E+20	4,131557E+18	0,000000E+00	0,000000E+00	4,133002E+18	5,142535E+20
-1394	2,276241E+21	4,817905E+21	6,576045E+21	6,576222E+21	4,818249E+21	2,276473E+21	5,143602E+20	4,136773E+18	0,000000E+00	0,000000E+00	4,135072E+18	5,142048E+20
-1393	2,276218E+21	4,818032E+21	6,576198E+21	6,576162E+21	4,817955E+21	2,276197E+21	5,142267E+20	4,136494E+18	0,000000E+00	0,000000E+00	4,138242E+18	5,143695E+20
-1392	2,276446E+21	4,818077E+21	6,575929E+21	6,575841E+21	4,817873E+21	2,276258E+21	5,142607E+20	4,135576E+18	0,000000E+00	0,000000E+00	4,136051E+18	5,142522E+20
-1391	2,276160E+21	4,817762E+21	6,575921E+21	6,576041E+21	4,818073E+21	2,276403E+21	5,143502E+20	4,137527E+18	0,000000E+00	0,000000E+00	4,136769E+18	5,142706E+20
-1390	2,276388E+21	4,818218E+21	6,576257E+21	6,576111E+21	4,817861E+21	2,276125E+21	5,141797E+20	4,134805E+18	0,000000E+00	0,000000E+00	4,136486E+18	5,143360E+20
-1389	2,276405E+21	4,818122E+21	6,576081E+21	6,576121E+21	4,818192E+21	2,276421E+21	5,142987E+20	4,133611E+18	0,000000E+00	0,000000E+00	4,131915E+18	5,141746E+20
-1388	2,276156E+21	4,818050E+21	6,576457E+21	6,576556E+21	4,818367E+21	2,276431E+21	5,142886E+20	4,134420E+18	0,000000E+00	0,000000E+00	4,133723E+18	5,142683E+20
-1387	2,276488E+21	4,818482E+21	6,576657E+21	6,576562E+21	4,818229E+21	2,276251E+21	5,141514E+20	4,130429E+18	0,000000E+00	0,000000E+00	4,130432E+18	5,142519E+20
-1386	2,276356E+21	4,818227E+21	6,576431E+21	6,576658E+21	4,818630E+21	2,276568E+21	5,142950E+20	4,129390E+18	0,000000E+00	0,000000E+00	4,128439E+18	5,141474E+20
-1385	2,276341E+21	4,818526E+21	6,576898E+21	6,576894E+21	4,818583E+21	2,276417E+21	5,141878E+20	4,130108E+18	0,000000E+00	0,000000E+00	4,130968E+18	5,142926E+20
-1384	2,276647E+21	4,818834E+21	6,576962E+21	6,576780E+21	4,818495E+21	2,276391E+21	5,141554E+20	4,125972E+18	0,000000E+00	0,000000E+00	4,125966E+18	5,141817E+20
-1383	2,276378E+21	4,818509E+21	6,576914E+21	6,577022E+21	4,818767E+21	2,276580E+21	5,142802E+20	4,128691E+18	0,000000E+00	0,000000E+00	4,128568E+18	5,141606E+20
-1382	2,276477E+21	4,818799E+21	6,577163E+21	6,577070E+21	4,818548E+21	2,276299E+21	5,141187E+20	4,128267E+18	0,000000E+00	0,000000E+00	4,129438E+18	5,142817E+20
-1381	2,276552E+21	4,818659E+21	6,576790E+21	6,576762E+21	4,818600E+21	2,276474E+21	5,142135E+20	4,127161E+18	0,000000E+00	0,000000E+00	4,128349E+18	5,141655E+20

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	2,276260E+21	4,818274E+21	6,576721E+21	6,576848E+21	4,818619E+21	2,276532E+21	5,142913E+20	4,133052E+18	0,000000E+00	0,000000E+00	4,132785E+18	5,142447E+20
-1379	2,276495E+21	4,818531E+21	6,576675E+21	6,576530E+21	4,818174E+21	2,276223E+21	5,141545E+20	4,131001E+18	0,000000E+00	0,000000E+00	4,132845E+18	5,142972E+20
-1378	2,276372E+21	4,818089E+21	6,576066E+21	6,576145E+21	4,818219E+21	2,276451E+21	5,143314E+20	4,134879E+18	0,000000E+00	0,000000E+00	4,134553E+18	5,141889E+20
-1377	2,276144E+21	4,817909E+21	6,576118E+21	6,576114E+21	4,818019E+21	2,276310E+21	5,142965E+20	4,138659E+18	0,000000E+00	0,000000E+00	4,138684E+18	5,143375E+20
-1376	2,276387E+21	4,818013E+21	6,575894E+21	6,575704E+21	4,817631E+21	2,276118E+21	5,142355E+20	4,137163E+18	0,000000E+00	0,000000E+00	4,138828E+18	5,143113E+20
-1375	2,276140E+21	4,817478E+21	6,575437E+21	6,575597E+21	4,817782E+21	2,276330E+21	5,143898E+20	4,141320E+18	0,000000E+00	0,000000E+00	4,140472E+18	5,142645E+20
-1374	2,276149E+21	4,817651E+21	6,575635E+21	6,575593E+21	4,817533E+21	2,276065E+21	5,142522E+20	4,140563E+18	0,000000E+00	0,000000E+00	4,142946E+18	5,144113E+20
-1373	2,276356E+21	4,817715E+21	6,575406E+21	6,575295E+21	4,817493E+21	2,276165E+21	5,143006E+20	4,139904E+18	0,000000E+00	0,000000E+00	4,140320E+18	5,142913E+20
-1372	2,276068E+21	4,817405E+21	6,575473E+21	6,575609E+21	4,817750E+21	2,276330E+21	5,143985E+20	4,142086E+18	0,000000E+00	0,000000E+00	4,140245E+18	5,142842E+20
-1371	2,276254E+21	4,817851E+21	6,575812E+21	6,575683E+21	4,817553E+21	2,276058E+21	5,142289E+20	4,139535E+18	0,000000E+00	0,000000E+00	4,140407E+18	5,143603E+20
-1370	2,276255E+21	4,817676E+21	6,575541E+21	6,575615E+21	4,817828E+21	2,276322E+21	5,143365E+20	4,137906E+18	0,000000E+00	0,000000E+00	4,136033E+18	5,142136E+20
-1369	2,276058E+21	4,817632E+21	6,575873E+21	6,576004E+21	4,818010E+21	2,276345E+21	5,143215E+20	4,138382E+18	0,000000E+00	0,000000E+00	4,138385E+18	5,143157E+20
-1368	2,276420E+21	4,818129E+21	6,576105E+21	6,575996E+21	4,817846E+21	2,276157E+21	5,141859E+20	4,134368E+18	0,000000E+00	0,000000E+00	4,134968E+18	5,143045E+20
-1367	2,276324E+21	4,817976E+21	6,575984E+21	6,576123E+21	4,818205E+21	2,276434E+21	5,143162E+20	4,132945E+18	0,000000E+00	0,000000E+00	4,132652E+18	5,141876E+20
-1366	2,276281E+21	4,818255E+21	6,576498E+21	6,576433E+21	4,818194E+21	2,276286E+21	5,142106E+20	4,133857E+18	0,000000E+00	0,000000E+00	4,134718E+18	5,143146E+20
-1365	2,276526E+21	4,818480E+21	6,576531E+21	6,576343E+21	4,818152E+21	2,276290E+21	5,141912E+20	4,130212E+18	0,000000E+00	0,000000E+00	4,130330E+18	5,142183E+20
-1364	2,276258E+21	4,818085E+21	6,576418E+21	6,576599E+21	4,818464E+21	2,276507E+21	5,143259E+20	4,133500E+18	0,000000E+00	0,000000E+00	4,132825E+18	5,141897E+20
-1363	2,276345E+21	4,818369E+21	6,576607E+21	6,576553E+21	4,818212E+21	2,276238E+21	5,141720E+20	4,133222E+18	0,000000E+00	0,000000E+00	4,134293E+18	5,143243E+20
-1362	2,276426E+21	4,818185E+21	6,576143E+21	6,576126E+21	4,818153E+21	2,276368E+21	5,142646E+20	4,132420E+18	0,000000E+00	0,000000E+00	4,133481E+18	5,142134E+20
-1361	2,276162E+21	4,817822E+21	6,576043E+21	6,576162E+21	4,818163E+21	2,276432E+21	5,143444E+20	4,138465E+18	0,000000E+00	0,000000E+00	4,138075E+18	5,142861E+20
-1360	2,276370E+21	4,818087E+21	6,576045E+21	6,575857E+21	4,817680E+21	2,276101E+21	5,142109E+20	4,136840E+18	0,000000E+00	0,000000E+00	4,138505E+18	5,143468E+20
-1359	2,276255E+21	4,817654E+21	6,575462E+21	6,575495E+21	4,817686E+21	2,276278E+21	5,143672E+20	4,140329E+18	0,000000E+00	0,000000E+00	4,140227E+18	5,142404E+20
-1358	2,276022E+21	4,817436E+21	6,575480E+21	6,575494E+21	4,817544E+21	2,276150E+21	5,143254E+20	4,143491E+18	0,000000E+00	0,000000E+00	4,144113E+18	5,143867E+20
-1357	2,276267E+21	4,817551E+21	6,575259E+21	6,575083E+21	4,817192E+21	2,275999E+21	5,142741E+20	4,142068E+18	0,000000E+00	0,000000E+00	4,144406E+18	5,143730E+20
-1356	2,276063E+21	4,817065E+21	6,574860E+21	6,575049E+21	4,817395E+21	2,276237E+21	5,144355E+20	4,146159E+18	0,000000E+00	0,000000E+00	4,144842E+18	5,142991E+20
-1355	2,276053E+21	4,817303E+21	6,575131E+21	6,575067E+21	4,817173E+21	2,275996E+21	5,143060E+20	4,145475E+18	0,000000E+00	0,000000E+00	4,147258E+18	5,144388E+20
-1354	2,276221E+21	4,817309E+21	6,574895E+21	6,574771E+21	4,817089E+21	2,276062E+21	5,143474E+20	4,144799E+18	0,000000E+00	0,000000E+00	4,144300E+18	5,143169E+20
-1353	2,275939E+21	4,816979E+21	6,574925E+21	6,575102E+21	4,817402E+21	2,276242E+21	5,144392E+20	4,146530E+18	0,000000E+00	0,000000E+00	4,144660E+18	5,143141E+20
-1352	2,276120E+21	4,817423E+21	6,575253E+21	6,575163E+21	4,817200E+21	2,275971E+21	5,142671E+20	4,143874E+18	0,000000E+00	0,000000E+00	4,145081E+18	5,144088E+20
-1351	2,276179E+21	4,817327E+21	6,575021E+21	6,575078E+21	4,817418E+21	2,276193E+21	5,143552E+20	4,141254E+18	0,000000E+00	0,000000E+00	4,140411E+18	5,142657E+20
-1350	2,276016E+21	4,817336E+21	6,575387E+21	6,575498E+21	4,817630E+21	2,276222E+21	5,143396E+20	4,141568E+18	0,000000E+00	0,000000E+00	4,142266E+18	5,143518E+20
-1349	2,276357E+21	4,817855E+21	6,575668E+21	6,575513E+21	4,817496E+21	2,276068E+21	5,142197E+20	4,138039E+18	0,000000E+00	0,000000E+00	4,138759E+18	5,143411E+20
-1348	2,276250E+21	4,817686E+21	6,575612E+21	6,575742E+21	4,817891E+21	2,276352E+21	5,143586E+20	4,137323E+18	0,000000E+00	0,000000E+00	4,136063E+18	5,142033E+20
-1347	2,276156E+21	4,817910E+21	6,576084E+21	6,576042E+21	4,817896E+21	2,276215E+21	5,142599E+20	4,138700E+18	0,000000E+00	0,000000E+00	4,138857E+18	5,143404E+20
-1346	2,276368E+21	4,818009E+21	6,575966E+21	6,575836E+21	4,817783E+21	2,276193E+21	5,142361E+20	4,135150E+18	0,000000E+00	0,000000E+00	4,135094E+18	5,142618E+20
-1345	2,276147E+21	4,817622E+21	6,575762E+21	6,575989E+21	4,818076E+21	2,276425E+21	5,143739E+20	4,138587E+18	0,000000E+00	0,000000E+00	4,138173E+18	5,142380E+20

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	2,276233E+21	4,817924E+21	6,575946E+21	6,575890E+21	4,817764E+21	2,276141E+21	5,142266E+20	4,138565E+18	0,000000E+00	0,000000E+00	4,139691E+18	5,143760E+20
-1343	2,276339E+21	4,817797E+21	6,575536E+21	6,575455E+21	4,817632E+21	2,276216E+21	5,143039E+20	4,137512E+18	0,000000E+00	0,000000E+00	4,138857E+18	5,142612E+20
-1342	2,276058E+21	4,817415E+21	6,575452E+21	6,575533E+21	4,817660E+21	2,276270E+21	5,143788E+20	4,143427E+18	0,000000E+00	0,000000E+00	4,143120E+18	5,143225E+20
-1341	2,276221E+21	4,817612E+21	6,575421E+21	6,575249E+21	4,817226E+21	2,275967E+21	5,142525E+20	4,142017E+18	0,000000E+00	0,000000E+00	4,144132E+18	5,144007E+20
-1340	2,276131E+21	4,817174E+21	6,574855E+21	6,574942E+21	4,817277E+21	2,276162E+21	5,144083E+20	4,145522E+18	0,000000E+00	0,000000E+00	4,145301E+18	5,142855E+20
-1339	2,275908E+21	4,817004E+21	6,574887E+21	6,574920E+21	4,817140E+21	2,276056E+21	5,143741E+20	4,148512E+18	0,000000E+00	0,000000E+00	4,149288E+18	5,144339E+20
-1338	2,276151E+21	4,817100E+21	6,574633E+21	6,574469E+21	4,816751E+21	2,275889E+21	5,143227E+20	4,147292E+18	0,000000E+00	0,000000E+00	4,149313E+18	5,144174E+20
-1337	2,275973E+21	4,816676E+21	6,574264E+21	6,574438E+21	4,816991E+21	2,276153E+21	5,144870E+20	4,151233E+18	0,000000E+00	0,000000E+00	4,149509E+18	5,143307E+20
-1336	2,275921E+21	4,816903E+21	6,574597E+21	6,574510E+21	4,816766E+21	2,275905E+21	5,143613E+20	4,150744E+18	0,000000E+00	0,000000E+00	4,152013E+18	5,144747E+20
-1335	2,276103E+21	4,816910E+21	6,574368E+21	6,574249E+21	4,816669E+21	2,275924E+21	5,143769E+20	4,149185E+18	0,000000E+00	0,000000E+00	4,148956E+18	5,143613E+20
-1334	2,275838E+21	4,816577E+21	6,574356E+21	6,574577E+21	4,817018E+21	2,276113E+21	5,144594E+20	4,150121E+18	0,000000E+00	0,000000E+00	4,149083E+18	5,143572E+20
-1333	2,276026E+21	4,817045E+21	6,574706E+21	6,574639E+21	4,816842E+21	2,275876E+21	5,142963E+20	4,147552E+18	0,000000E+00	0,000000E+00	4,149430E+18	5,144604E+20
-1332	2,276128E+21	4,817026E+21	6,574579E+21	6,574631E+21	4,817083E+21	2,276104E+21	5,143886E+20	4,145030E+18	0,000000E+00	0,000000E+00	4,143722E+18	5,142915E+20
-1331	2,275943E+21	4,817087E+21	6,575012E+21	6,575075E+21	4,817312E+21	2,276152E+21	5,143848E+20	4,145801E+18	0,000000E+00	0,000000E+00	4,145740E+18	5,143700E+20
-1330	2,276230E+21	4,817506E+21	6,575242E+21	6,575083E+21	4,817150E+21	2,275975E+21	5,142641E+20	4,142605E+18	0,000000E+00	0,000000E+00	4,142363E+18	5,143643E+20
-1329	2,276129E+21	4,817294E+21	6,575094E+21	6,575277E+21	4,817584E+21	2,276280E+21	5,144014E+20	4,141973E+18	0,000000E+00	0,000000E+00	4,140527E+18	5,142347E+20
-1328	2,276016E+21	4,817475E+21	6,575520E+21	6,575527E+21	4,817553E+21	2,276140E+21	5,143067E+20	4,143454E+18	0,000000E+00	0,000000E+00	4,143863E+18	5,143908E+20
-1327	2,276280E+21	4,817609E+21	6,575377E+21	6,575252E+21	4,817342E+21	2,276058E+21	5,142642E+20	4,139302E+18	0,000000E+00	0,000000E+00	4,140354E+18	5,143199E+20
-1326	2,276080E+21	4,817241E+21	6,575142E+21	6,575366E+21	4,817623E+21	2,276288E+21	5,144033E+20	4,142827E+18	0,000000E+00	0,000000E+00	4,143124E+18	5,142836E+20
-1325	2,276132E+21	4,817538E+21	6,575365E+21	6,575273E+21	4,817313E+21	2,276023E+21	5,142689E+20	4,143286E+18	0,000000E+00	0,000000E+00	4,144789E+18	5,144236E+20
-1324	2,276231E+21	4,817397E+21	6,575011E+21	6,574908E+21	4,817186E+21	2,276089E+21	5,143510E+20	4,142944E+18	0,000000E+00	0,000000E+00	4,143608E+18	5,142941E+20
-1323	2,275917E+21	4,816979E+21	6,574884E+21	6,574976E+21	4,817240E+21	2,276155E+21	5,144295E+20	4,148986E+18	0,000000E+00	0,000000E+00	4,148314E+18	5,143636E+20
-1322	2,276061E+21	4,817085E+21	6,574735E+21	6,574609E+21	4,816770E+21	2,275844E+21	5,143018E+20	4,147657E+18	0,000000E+00	0,000000E+00	4,149696E+18	5,144553E+20
-1321	2,276027E+21	4,816702E+21	6,574146E+21	6,574262E+21	4,816838E+21	2,276062E+21	5,144581E+20	4,151090E+18	0,000000E+00	0,000000E+00	4,150887E+18	5,143365E+20
-1320	2,275798E+21	4,816571E+21	6,574250E+21	6,574270E+21	4,816690E+21	2,275956E+21	5,144319E+20	4,154073E+18	0,000000E+00	0,000000E+00	4,154623E+18	5,144813E+20
-1319	2,276058E+21	4,816716E+21	6,574069E+21	6,573860E+21	4,816269E+21	2,275747E+21	5,143633E+20	4,152416E+18	0,000000E+00	0,000000E+00	4,154360E+18	5,144572E+20
-1318	2,275857E+21	4,816281E+21	6,573721E+21	6,573893E+21	4,816562E+21	2,276016E+21	5,145209E+20	4,155721E+18	0,000000E+00	0,000000E+00	4,154003E+18	5,143615E+20
-1317	2,275768E+21	4,816457E+21	6,574038E+21	6,573993E+21	4,816399E+21	2,275803E+21	5,143988E+20	4,155159E+18	0,000000E+00	0,000000E+00	4,156755E+18	5,145180E+20
-1316	2,275986E+21	4,816493E+21	6,573847E+21	6,573775E+21	4,816330E+21	2,275833E+21	5,144112E+20	4,153305E+18	0,000000E+00	0,000000E+00	4,152932E+18	5,143992E+20
-1315	2,275751E+21	4,816231E+21	6,573857E+21	6,574088E+21	4,816683E+21	2,276032E+21	5,144969E+20	4,153980E+18	0,000000E+00	0,000000E+00	4,153093E+18	5,143946E+20
-1314	2,275935E+21	4,816681E+21	6,574180E+21	6,574120E+21	4,816483E+21	2,275787E+21	5,143368E+20	4,151766E+18	0,000000E+00	0,000000E+00	4,153150E+18	5,144962E+20
-1313	2,276065E+21	4,816737E+21	6,574110E+21	6,574131E+21	4,816749E+21	2,276030E+21	5,144305E+20	4,149408E+18	0,000000E+00	0,000000E+00	4,147571E+18	5,143176E+20
-1312	2,275832E+21	4,816760E+21	6,574586E+21	6,574621E+21	4,816962E+21	2,276064E+21	5,144332E+20	4,150627E+18	0,000000E+00	0,000000E+00	4,149977E+18	5,144025E+20
-1311	2,276122E+21	4,817135E+21	6,574762E+21	6,574622E+21	4,816778E+21	2,275846E+21	5,142910E+20	4,146762E+18	0,000000E+00	0,000000E+00	4,146942E+18	5,144088E+20
-1310	2,276035E+21	4,816913E+21	6,574543E+21	6,574755E+21	4,817206E+21	2,276154E+21	5,144230E+20	4,145684E+18	0,000000E+00	0,000000E+00	4,145343E+18	5,142839E+20
-1309	2,275918E+21	4,817073E+21	6,574935E+21	6,574959E+21	4,817170E+21	2,276042E+21	5,143410E+20	4,147462E+18	0,000000E+00	0,000000E+00	4,148708E+18	5,144424E+20

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	2,276203E+21	4,817258E+21	6,574863E+21	6,574720E+21	4,816953E+21	2,275956E+21	5,143037E+20	4,143715E+18	0,000000E+00	0,000000E+00	4,144609E+18	5,143545E+20
-1307	2,275984E+21	4,816909E+21	6,574646E+21	6,574817E+21	4,817215E+21	2,276185E+21	5,144529E+20	4,147901E+18	0,000000E+00	0,000000E+00	4,147566E+18	5,143109E+20
-1306	2,275974E+21	4,817069E+21	6,574777E+21	6,574696E+21	4,816876E+21	2,275903E+21	5,143213E+20	4,148805E+18	0,000000E+00	0,000000E+00	4,149547E+18	5,144593E+20
-1305	2,276091E+21	4,816918E+21	6,574355E+21	6,574292E+21	4,816773E+21	2,275983E+21	5,144004E+20	4,148748E+18	0,000000E+00	0,000000E+00	4,149091E+18	5,143376E+20
-1304	2,275766E+21	4,816482E+21	6,574225E+21	6,574334E+21	4,816792E+21	2,276045E+21	5,144829E+20	4,154671E+18	0,000000E+00	0,000000E+00	4,154038E+18	5,144219E+20
-1303	2,275965E+21	4,816631E+21	6,574076E+21	6,573949E+21	4,816278E+21	2,275697E+21	5,143396E+20	4,152728E+18	0,000000E+00	0,000000E+00	4,155564E+18	5,145159E+20
-1302	2,275950E+21	4,816304E+21	6,573513E+21	6,573611E+21	4,816365E+21	2,275922E+21	5,144940E+20	4,155864E+18	0,000000E+00	0,000000E+00	4,156161E+18	5,143847E+20
-1301	2,275685E+21	4,816167E+21	6,573679E+21	6,573672E+21	4,816255E+21	2,275846E+21	5,144796E+20	4,159041E+18	0,000000E+00	0,000000E+00	4,159707E+18	5,145230E+20
-1300	2,275931E+21	4,816306E+21	6,573570E+21	6,573361E+21	4,815874E+21	2,275635E+21	5,144088E+20	4,157613E+18	0,000000E+00	0,000000E+00	4,158911E+18	5,144888E+20
-1299	2,275718E+21	4,815856E+21	6,573177E+21	6,573380E+21	4,816199E+21	2,275918E+21	5,145637E+20	4,160469E+18	0,000000E+00	0,000000E+00	4,158561E+18	5,143990E+20
-1298	2,275623E+21	4,815962E+21	6,573399E+21	6,573410E+21	4,816011E+21	2,275705E+21	5,144408E+20	4,159858E+18	0,000000E+00	0,000000E+00	4,161318E+18	5,145650E+20
-1297	2,275908E+21	4,816100E+21	6,573227E+21	6,573170E+21	4,815957E+21	2,275750E+21	5,144523E+20	4,157852E+18	0,000000E+00	0,000000E+00	4,157214E+18	5,144391E+20
-1296	2,275670E+21	4,815905E+21	6,573361E+21	6,573545E+21	4,816300E+21	2,275943E+21	5,145429E+20	4,158461E+18	0,000000E+00	0,000000E+00	4,157232E+18	5,144331E+20
-1295	2,275873E+21	4,816394E+21	6,573750E+21	6,573628E+21	4,816080E+21	2,275659E+21	5,143671E+20	4,155904E+18	0,000000E+00	0,000000E+00	4,157170E+18	5,145286E+20
-1294	2,275976E+21	4,816426E+21	6,573685E+21	6,573692E+21	4,816392E+21	2,275903E+21	5,144521E+20	4,152991E+18	0,000000E+00	0,000000E+00	4,151587E+18	5,143490E+20
-1293	2,275713E+21	4,816389E+21	6,574124E+21	6,574194E+21	4,816658E+21	2,275974E+21	5,144603E+20	4,154282E+18	0,000000E+00	0,000000E+00	4,154362E+18	5,144435E+20
-1292	2,276020E+21	4,816772E+21	6,574311E+21	6,574193E+21	4,816468E+21	2,275759E+21	5,143200E+20	4,150492E+18	0,000000E+00	0,000000E+00	4,150886E+18	5,144456E+20
-1291	2,275951E+21	4,816577E+21	6,574053E+21	6,574259E+21	4,816870E+21	2,276074E+21	5,144616E+20	4,149688E+18	0,000000E+00	0,000000E+00	4,149538E+18	5,143199E+20
-1290	2,275807E+21	4,816660E+21	6,574356E+21	6,574383E+21	4,816784E+21	2,275956E+21	5,143905E+20	4,152243E+18	0,000000E+00	0,000000E+00	4,152830E+18	5,144751E+20
-1289	2,276101E+21	4,816877E+21	6,574285E+21	6,574117E+21	4,816552E+21	2,275869E+21	5,143592E+20	4,149219E+18	0,000000E+00	0,000000E+00	4,149250E+18	5,143851E+20
-1288	2,275837E+21	4,816470E+21	6,574087E+21	6,574237E+21	4,816774E+21	2,276069E+21	5,145101E+20	4,153878E+18	0,000000E+00	0,000000E+00	4,152862E+18	5,143562E+20
-1287	2,275846E+21	4,816583E+21	6,574133E+21	6,574068E+21	4,816398E+21	2,275747E+21	5,143588E+20	4,154126E+18	0,000000E+00	0,000000E+00	4,155408E+18	5,145178E+20
-1286	2,275986E+21	4,816451E+21	6,573681E+21	6,573624E+21	4,816286E+21	2,275828E+21	5,144311E+20	4,153679E+18	0,000000E+00	0,000000E+00	4,155080E+18	5,144002E+20
-1285	2,275667E+21	4,816035E+21	6,573570E+21	6,573673E+21	4,816329E+21	2,275921E+21	5,145229E+20	4,159574E+18	0,000000E+00	0,000000E+00	4,159717E+18	5,144789E+20
-1284	2,275872E+21	4,816243E+21	6,573526E+21	6,573361E+21	4,815844E+21	2,275582E+21	5,143865E+20	4,157960E+18	0,000000E+00	0,000000E+00	4,160579E+18	5,145539E+20
-1283	2,275835E+21	4,815925E+21	6,572995E+21	6,573049E+21	4,815949E+21	2,275819E+21	5,145461E+20	4,161234E+18	0,000000E+00	0,000000E+00	4,160893E+18	5,144152E+20
-1282	2,275514E+21	4,815647E+21	6,573054E+21	6,573100E+21	4,815851E+21	2,275744E+21	5,145336E+20	4,164482E+18	0,000000E+00	0,000000E+00	4,164408E+18	5,145566E+20
-1281	2,275788E+21	4,815819E+21	6,572908E+21	6,572762E+21	4,815504E+21	2,275551E+21	5,144576E+20	4,162970E+18	0,000000E+00	0,000000E+00	4,163900E+18	5,145307E+20
-1280	2,275587E+21	4,815398E+21	6,572562E+21	6,572767E+21	4,815779E+21	2,275818E+21	5,146095E+20	4,165291E+18	0,000000E+00	0,000000E+00	4,163388E+18	5,144521E+20
-1279	2,275554E+21	4,815567E+21	6,572805E+21	6,572802E+21	4,815568E+21	2,275571E+21	5,144697E+20	4,164013E+18	0,000000E+00	0,000000E+00	4,165986E+18	5,146143E+20
-1278	2,275862E+21	4,815807E+21	6,572737E+21	6,572620E+21	4,815541E+21	2,275618E+21	5,144748E+20	4,161455E+18	0,000000E+00	0,000000E+00	4,161344E+18	5,144784E+20
-1277	2,275595E+21	4,815623E+21	6,572959E+21	6,573081E+21	4,815936E+21	2,275838E+21	5,145740E+20	4,162248E+18	0,000000E+00	0,000000E+00	4,161233E+18	5,144645E+20
-1276	2,275775E+21	4,816093E+21	6,573407E+21	6,573272E+21	4,815785E+21	2,275566E+21	5,143996E+20	4,159965E+18	0,000000E+00	0,000000E+00	4,160795E+18	5,145534E+20
-1275	2,275867E+21	4,816092E+21	6,573273E+21	6,573300E+21	4,816115E+21	2,275825E+21	5,144841E+20	4,156767E+18	0,000000E+00	0,000000E+00	4,155501E+18	5,143809E+20
-1274	2,275586E+21	4,815944E+21	6,573561E+21	6,573694E+21	4,816341E+21	2,275904E+21	5,145012E+20	4,158478E+18	0,000000E+00	0,000000E+00	4,158376E+18	5,144791E+20
-1273	2,275933E+21	4,816389E+21	6,573730E+21	6,573634E+21	4,816131E+21	2,275695E+21	5,143664E+20	4,155120E+18	0,000000E+00	0,000000E+00	4,155042E+18	5,144775E+20

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	2,275844E+21	4,816212E+21	6,573533E+21	6,573682E+21	4,816462E+21	2,275984E+21	5,145151E+20	4,154785E+18	0,000000E+00	0,000000E+00	4,154063E+18	5,143582E+20
-1271	2,275710E+21	4,816268E+21	6,573812E+21	6,573796E+21	4,816329E+21	2,275820E+21	5,144310E+20	4,157234E+18	0,000000E+00	0,000000E+00	4,157626E+18	5,145134E+20
-1270	2,275986E+21	4,816461E+21	6,573720E+21	6,573539E+21	4,816101E+21	2,275719E+21	5,143897E+20	4,153888E+18	0,000000E+00	0,000000E+00	4,154608E+18	5,144343E+20
-1269	2,275712E+21	4,816014E+21	6,573487E+21	6,573651E+21	4,816346E+21	2,275939E+21	5,145413E+20	4,158547E+18	0,000000E+00	0,000000E+00	4,158557E+18	5,144149E+20
-1268	2,275744E+21	4,816158E+21	6,573569E+21	6,573496E+21	4,815976E+21	2,275625E+21	5,143945E+20	4,158794E+18	0,000000E+00	0,000000E+00	4,160761E+18	5,145718E+20
-1267	2,275901E+21	4,816059E+21	6,573109E+21	6,573030E+21	4,815863E+21	2,275717E+21	5,144729E+20	4,158611E+18	0,000000E+00	0,000000E+00	4,160360E+18	5,144477E+20
-1266	2,275550E+21	4,815578E+21	6,572932E+21	6,573034E+21	4,815895E+21	2,275824E+21	5,145788E+20	4,165042E+18	0,000000E+00	0,000000E+00	4,164578E+18	5,145152E+20
-1265	2,275749E+21	4,815807E+21	6,572901E+21	6,572727E+21	4,815423E+21	2,275496E+21	5,144509E+20	4,164162E+18	0,000000E+00	0,000000E+00	4,165678E+18	5,145834E+20
-1264	2,275663E+21	4,815430E+21	6,572391E+21	6,572443E+21	4,815509E+21	2,275714E+21	5,146077E+20	4,167384E+18	0,000000E+00	0,000000E+00	4,166189E+18	5,144625E+20
-1263	2,275382E+21	4,815125E+21	6,572362E+21	6,572444E+21	4,815380E+21	2,275603E+21	5,145717E+20	4,169615E+18	0,000000E+00	0,000000E+00	4,169914E+18	5,146101E+20
-1262	2,275689E+21	4,815363E+21	6,572236E+21	6,572091E+21	4,815025E+21	2,275407E+21	5,144855E+20	4,167317E+18	0,000000E+00	0,000000E+00	4,169172E+18	5,145883E+20
-1261	2,275514E+21	4,815024E+21	6,571994E+21	6,572168E+21	4,815343E+21	2,275691E+21	5,146371E+20	4,169196E+18	0,000000E+00	0,000000E+00	4,168011E+18	5,144996E+20
-1260	2,275494E+21	4,815291E+21	6,572399E+21	6,572318E+21	4,815187E+21	2,275463E+21	5,145044E+20	4,168194E+18	0,000000E+00	0,000000E+00	4,169819E+18	5,146408E+20
-1259	2,275774E+21	4,815534E+21	6,572389E+21	6,572224E+21	4,815216E+21	2,275527E+21	5,145107E+20	4,165566E+18	0,000000E+00	0,000000E+00	4,164821E+18	5,144959E+20
-1258	2,275453E+21	4,815219E+21	6,572499E+21	6,572675E+21	4,815650E+21	2,275766E+21	5,146159E+20	4,166557E+18	0,000000E+00	0,000000E+00	4,164833E+18	5,144854E+20
-1257	2,275649E+21	4,815691E+21	6,572878E+21	6,572819E+21	4,815526E+21	2,275520E+21	5,144447E+20	4,164513E+18	0,000000E+00	0,000000E+00	4,164749E+18	5,145802E+20
-1256	2,275738E+21	4,815684E+21	6,572757E+21	6,572804E+21	4,815783E+21	2,275757E+21	5,145292E+20	4,161039E+18	0,000000E+00	0,000000E+00	4,159852E+18	5,144287E+20
-1255	2,275516E+21	4,815546E+21	6,572973E+21	6,573120E+21	4,815940E+21	2,275793E+21	5,145338E+20	4,162572E+18	0,000000E+00	0,000000E+00	4,162917E+18	5,145226E+20
-1254	2,275863E+21	4,816053E+21	6,573198E+21	6,573047E+21	4,815694E+21	2,275570E+21	5,143966E+20	4,159070E+18	0,000000E+00	0,000000E+00	4,159702E+18	5,145220E+20
-1253	2,275755E+21	4,815867E+21	6,573051E+21	6,573138E+21	4,816024E+21	2,275853E+21	5,145478E+20	4,159206E+18	0,000000E+00	0,000000E+00	4,159031E+18	5,144017E+20
-1252	2,275605E+21	4,815902E+21	6,573348E+21	6,573302E+21	4,815927E+21	2,275692E+21	5,144656E+20	4,161964E+18	0,000000E+00	0,000000E+00	4,162490E+18	5,145567E+20
-1251	2,275882E+21	4,816063E+21	6,573185E+21	6,573006E+21	4,815709E+21	2,275601E+21	5,144234E+20	4,158554E+18	0,000000E+00	0,000000E+00	4,159821E+18	5,144833E+20
-1250	2,275593E+21	4,815526E+21	6,572824E+21	6,573026E+21	4,815930E+21	2,275839E+21	5,145872E+20	4,163657E+18	0,000000E+00	0,000000E+00	4,163587E+18	5,144614E+20
-1249	2,275650E+21	4,815729E+21	6,572913E+21	6,572858E+21	4,815575E+21	2,275547E+21	5,144543E+20	4,164498E+18	0,000000E+00	0,000000E+00	4,165827E+18	5,146074E+20
-1248	2,275769E+21	4,815628E+21	6,572531E+21	6,572402E+21	4,815405E+21	2,275619E+21	5,145385E+20	4,164805E+18	0,000000E+00	0,000000E+00	4,165664E+18	5,144903E+20
-1247	2,275418E+21	4,815083E+21	6,572283E+21	6,572388E+21	4,815409E+21	2,275690E+21	5,146303E+20	4,170821E+18	0,000000E+00	0,000000E+00	4,169906E+18	5,145527E+20
-1246	2,275597E+21	4,815309E+21	6,572251E+21	6,572090E+21	4,814943E+21	2,275353E+21	5,144898E+20	4,169320E+18	0,000000E+00	0,000000E+00	4,171456E+18	5,146348E+20
-1245	2,275528E+21	4,814937E+21	6,571737E+21	6,571800E+21	4,815041E+21	2,275579E+21	5,146406E+20	4,172086E+18	0,000000E+00	0,000000E+00	4,171710E+18	5,145197E+20
-1244	2,275289E+21	4,814715E+21	6,571785E+21	6,571848E+21	4,814942E+21	2,275477E+21	5,146044E+20	4,173941E+18	0,000000E+00	0,000000E+00	4,174782E+18	5,146589E+20
-1243	2,275623E+21	4,815027E+21	6,571717E+21	6,571543E+21	4,814626E+21	2,275296E+21	5,145184E+20	4,171554E+18	0,000000E+00	0,000000E+00	4,173467E+18	5,146259E+20
-1242	2,275420E+21	4,814660E+21	6,571480E+21	6,571643E+21	4,814971E+21	2,275601E+21	5,146805E+20	4,173664E+18	0,000000E+00	0,000000E+00	4,171771E+18	5,145255E+20
-1241	2,275393E+21	4,814954E+21	6,571937E+21	6,571868E+21	4,814877E+21	2,275399E+21	5,145589E+20	4,173359E+18	0,000000E+00	0,000000E+00	4,173786E+18	5,146595E+20
-1240	2,275625E+21	4,815135E+21	6,571944E+21	6,571806E+21	4,814901E+21	2,275451E+21	5,145592E+20	4,170427E+18	0,000000E+00	0,000000E+00	4,169117E+18	5,145363E+20
-1239	2,275347E+21	4,814781E+21	6,571924E+21	6,572160E+21	4,815292E+21	2,275664E+21	5,146467E+20	4,170652E+18	0,000000E+00	0,000000E+00	4,169426E+18	5,145290E+20
-1238	2,275564E+21	4,815309E+21	6,572309E+21	6,572254E+21	4,815128E+21	2,275411E+21	5,144692E+20	4,168043E+18	0,000000E+00	0,000000E+00	4,169380E+18	5,146293E+20
-1237	2,275672E+21	4,815353E+21	6,572244E+21	6,572254E+21	4,815376E+21	2,275644E+21	5,145552E+20	4,164516E+18	0,000000E+00	0,000000E+00	4,164284E+18	5,144739E+20

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												
-1236	2,275458E+21	4,815274E+21	6,572550E+21	6,572623E+21	4,815547E+21	2,275681E+21	5,145665E+20	4,166621E+18	0,000000E+00	0,000000E+00	4,166998E+18	5,145548E+20
-1235	2,275773E+21	4,815742E+21	6,572780E+21	6,572597E+21	4,815328E+21	2,275459E+21	5,144304E+20	4,163269E+18	0,000000E+00	0,000000E+00	4,163821E+18	5,145517E+20
-1234	2,275623E+21	4,815436E+21	6,572514E+21	6,572646E+21	4,815667E+21	2,275753E+21	5,145867E+20	4,163902E+18	0,000000E+00	0,000000E+00	4,163540E+18	5,144382E+20
-1233	2,275491E+21	4,815474E+21	6,572750E+21	6,572755E+21	4,815573E+21	2,275616E+21	5,145177E+20	4,167277E+18	0,000000E+00	0,000000E+00	4,167248E+18	5,145925E+20
-1232	2,275747E+21	4,815612E+21	6,572600E+21	6,572432E+21	4,815299E+21	2,275510E+21	5,144787E+20	4,163991E+18	0,000000E+00	0,000000E+00	4,165131E+18	5,145370E+20
-1231	2,275502E+21	4,815074E+21	6,572158E+21	6,572363E+21	4,815460E+21	2,275717E+21	5,146338E+20	4,169041E+18	0,000000E+00	0,000000E+00	4,168916E+18	5,145056E+20
-1230	2,275537E+21	4,815305E+21	6,572285E+21	6,572179E+21	4,815071E+21	2,275420E+21	5,145032E+20	4,169821E+18	0,000000E+00	0,000000E+00	4,171427E+18	5,146517E+20
-1229	2,275631E+21	4,815168E+21	6,571929E+21	6,571785E+21	4,814916E+21	2,275481E+21	5,145855E+20	4,170390E+18	0,000000E+00	0,000000E+00	4,171484E+18	5,145399E+20
-1228	2,275285E+21	4,814617E+21	6,571672E+21	6,571790E+21	4,814953E+21	2,275552E+21	5,146717E+20	4,176152E+18	0,000000E+00	0,000000E+00	4,175451E+18	5,146029E+20
-1227	2,275471E+21	4,814833E+21	6,571606E+21	6,571469E+21	4,814496E+21	2,275224E+21	5,145259E+20	4,174261E+18	0,000000E+00	0,000000E+00	4,176870E+18	5,146864E+20
-1226	2,275411E+21	4,814449E+21	6,571050E+21	6,571141E+21	4,814588E+21	2,275462E+21	5,146813E+20	4,177000E+18	0,000000E+00	0,000000E+00	4,176499E+18	5,145656E+20
-1225	2,275207E+21	4,814333E+21	6,571177E+21	6,571240E+21	4,814539E+21	2,275389E+21	5,146592E+20	4,179253E+18	0,000000E+00	0,000000E+00	4,179225E+18	5,146876E+20
-1224	2,275503E+21	4,814664E+21	6,571242E+21	6,571030E+21	4,814236E+21	2,275207E+21	5,145746E+20	4,176959E+18	0,000000E+00	0,000000E+00	4,177887E+18	5,146623E+20
-1223	2,275311E+21	4,814259E+21	6,570957E+21	6,571142E+21	4,814586E+21	2,275487E+21	5,147189E+20	4,178333E+18	0,000000E+00	0,000000E+00	4,176172E+18	5,145576E+20
-1222	2,275272E+21	4,814560E+21	6,571418E+21	6,571373E+21	4,814512E+21	2,275295E+21	5,145896E+20	4,177352E+18	0,000000E+00	0,000000E+00	4,178593E+18	5,147034E+20
-1221	2,275519E+21	4,814742E+21	6,571429E+21	6,571322E+21	4,814542E+21	2,275346E+21	5,145822E+20	4,173832E+18	0,000000E+00	0,000000E+00	4,173686E+18	5,145869E+20
-1220	2,275284E+21	4,814466E+21	6,571443E+21	6,571676E+21	4,814938E+21	2,275561E+21	5,146701E+20	4,173929E+18	0,000000E+00	0,000000E+00	4,173572E+18	5,145718E+20
-1219	2,275506E+21	4,815028E+21	6,571860E+21	6,571780E+21	4,814780E+21	2,275313E+21	5,144955E+20	4,171485E+18	0,000000E+00	0,000000E+00	4,173030E+18	5,146594E+20
-1218	2,275582E+21	4,815026E+21	6,571767E+21	6,571753E+21	4,815012E+21	2,275555E+21	5,145961E+20	4,168715E+18	0,000000E+00	0,000000E+00	4,167813E+18	5,144978E+20
-1217	2,275356E+21	4,814939E+21	6,572080E+21	6,572169E+21	4,815221E+21	2,275607E+21	5,146226E+20	4,171942E+18	0,000000E+00	0,000000E+00	4,170973E+18	5,145750E+20
-1216	2,275623E+21	4,815328E+21	6,572284E+21	6,572133E+21	4,814981E+21	2,275372E+21	5,144831E+20	4,168546E+18	0,000000E+00	0,000000E+00	4,168604E+18	5,145991E+20
-1215	2,275512E+21	4,814965E+21	6,571862E+21	6,572048E+21	4,815248E+21	2,275633E+21	5,146241E+20	4,168868E+18	0,000000E+00	0,000000E+00	4,168785E+18	5,144883E+20
-1214	2,275393E+21	4,815050E+21	6,572117E+21	6,572114E+21	4,815108E+21	2,275493E+21	5,145553E+20	4,171868E+18	0,000000E+00	0,000000E+00	4,172755E+18	5,146459E+20
-1213	2,275652E+21	4,815210E+21	6,572009E+21	6,571811E+21	4,814823E+21	2,275378E+21	5,145188E+20	4,168880E+18	0,000000E+00	0,000000E+00	4,170698E+18	5,145860E+20
-1212	2,275403E+21	4,814705E+21	6,571615E+21	6,571766E+21	4,814996E+21	2,275589E+21	5,146796E+20	4,174361E+18	0,000000E+00	0,000000E+00	4,174122E+18	5,145453E+20
-1211	2,275398E+21	4,814867E+21	6,571720E+21	6,571619E+21	4,814636E+21	2,275291E+21	5,145468E+20	4,175089E+18	0,000000E+00	0,000000E+00	4,176613E+18	5,146880E+20
-1210	2,275465E+21	4,814629E+21	6,571238E+21	6,571162E+21	4,814484E+21	2,275367E+21	5,146324E+20	4,175881E+18	0,000000E+00	0,000000E+00	4,176833E+18	5,145877E+20
-1209	2,275158E+21	4,814123E+21	6,570963E+21	6,571145E+21	4,814533E+21	2,275455E+21	5,147268E+20	4,181789E+18	0,000000E+00	0,000000E+00	4,180654E+18	5,146475E+20
-1208	2,275342E+21	4,814364E+21	6,570962E+21	6,570839E+21	4,814052E+21	2,275118E+21	5,145793E+20	4,179722E+18	0,000000E+00	0,000000E+00	4,182278E+18	5,147449E+20
-1207	2,275333E+21	4,814028E+21	6,570397E+21	6,570477E+21	4,814113E+21	2,275330E+21	5,147205E+20	4,182011E+18	0,000000E+00	0,000000E+00	4,181438E+18	5,146100E+20
-1206	2,275117E+21	4,813985E+21	6,570650E+21	6,570640E+21	4,814070E+21	2,275263E+21	5,147004E+20	4,183948E+18	0,000000E+00	0,000000E+00	4,184252E+18	5,147284E+20
-1205	2,275388E+21	4,814288E+21	6,570766E+21	6,570550E+21	4,813836E+21	2,275084E+21	5,146108E+20	4,181621E+18	0,000000E+00	0,000000E+00	4,182792E+18	5,147050E+20
-1204	2,275209E+21	4,813906E+21	6,570479E+21	6,570681E+21	4,814239E+21	2,275377E+21	5,147478E+20	4,182360E+18	0,000000E+00	0,000000E+00	4,180733E+18	5,146017E+20
-1203	2,275174E+21	4,814186E+21	6,570905E+21	6,570894E+21	4,814181E+21	2,275202E+21	5,146166E+20	4,181004E+18	0,000000E+00	0,000000E+00	4,182646E+18	5,147390E+20
-1202	2,275420E+21	4,814356E+21	6,570877E+21	6,570805E+21	4,814201E+21	2,275265E+21	5,146171E+20	4,177575E+18	0,000000E+00	0,000000E+00	4,177244E+18	5,146197E+20
-1201	2,275215E+21	4,814159E+21	6,570939E+21	6,571173E+21	4,814608E+21	2,275494E+21	5,147219E+20	4,178564E+18	0,000000E+00	0,000000E+00	4,177020E+18	5,145876E+20

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	2,275378E+21	4,814684E+21	6,571429E+21	6,571333E+21	4,814441E+21	2,275239E+21	5,145505E+20	4,176462E+18	0,000000E+00	0,000000E+00	4,176840E+18	5,146887E+20
-1199	2,275463E+21	4,814628E+21	6,571249E+21	6,571260E+21	4,814636E+21	2,275438E+21	5,146324E+20	4,173423E+18	0,000000E+00	0,000000E+00	4,172172E+18	5,145310E+20
-1198	2,275235E+21	4,814542E+21	6,571540E+21	6,571626E+21	4,814818E+21	2,275491E+21	5,146562E+20	4,176340E+18	0,000000E+00	0,000000E+00	4,176096E+18	5,146233E+20
-1197	2,275513E+21	4,814913E+21	6,571723E+21	6,571594E+21	4,814577E+21	2,275253E+21	5,145133E+20	4,172695E+18	0,000000E+00	0,000000E+00	4,173880E+18	5,146560E+20
-1196	2,275444E+21	4,814619E+21	6,571312E+21	6,571484E+21	4,814831E+21	2,275508E+21	5,146546E+20	4,173164E+18	0,000000E+00	0,000000E+00	4,173955E+18	5,145415E+20
-1195	2,275312E+21	4,814692E+21	6,571571E+21	6,571542E+21	4,814691E+21	2,275377E+21	5,145925E+20	4,176362E+18	0,000000E+00	0,000000E+00	4,177479E+18	5,146814E+20
-1194	2,275523E+21	4,814781E+21	6,571422E+21	6,571219E+21	4,814390E+21	2,275270E+21	5,145702E+20	4,174256E+18	0,000000E+00	0,000000E+00	4,175683E+18	5,146233E+20
-1193	2,275267E+21	4,814251E+21	6,570991E+21	6,571186E+21	4,814587E+21	2,275490E+21	5,147434E+20	4,180674E+18	0,000000E+00	0,000000E+00	4,179284E+18	5,145802E+20
-1192	2,275220E+21	4,814334E+21	6,571059E+21	6,571014E+21	4,814212E+21	2,275187E+21	5,146058E+20	4,181114E+18	0,000000E+00	0,000000E+00	4,182425E+18	5,147468E+20
-1191	2,275342E+21	4,814091E+21	6,570464E+21	6,570426E+21	4,813977E+21	2,275224E+21	5,146742E+20	4,181451E+18	0,000000E+00	0,000000E+00	4,182636E+18	5,146465E+20
-1190	2,275065E+21	4,813686E+21	6,570277E+21	6,570409E+21	4,813997E+21	2,275310E+21	5,147669E+20	4,186720E+18	0,000000E+00	0,000000E+00	4,186322E+18	5,147042E+20
-1189	2,275252E+21	4,813976E+21	6,570382E+21	6,570209E+21	4,813565E+21	2,274979E+21	5,146199E+20	4,184739E+18	0,000000E+00	0,000000E+00	4,187644E+18	5,147923E+20
-1188	2,275247E+21	4,813705E+21	6,569920E+21	6,569944E+21	4,813684E+21	2,275199E+21	5,147573E+20	4,186804E+18	0,000000E+00	0,000000E+00	4,186197E+18	5,146488E+20
-1187	2,275001E+21	4,813614E+21	6,570189E+21	6,570189E+21	4,813715E+21	2,275152E+21	5,147343E+20	4,188318E+18	0,000000E+00	0,000000E+00	4,188582E+18	5,147569E+20
-1186	2,275246E+21	4,813843E+21	6,570211E+21	6,570064E+21	4,813515E+21	2,275005E+21	5,146500E+20	4,186052E+18	0,000000E+00	0,000000E+00	4,186910E+18	5,147392E+20
-1185	2,275099E+21	4,813505E+21	6,569921E+21	6,570192E+21	4,813937E+21	2,275318E+21	5,147968E+20	4,186852E+18	0,000000E+00	0,000000E+00	4,184521E+18	5,146299E+20
-1184	2,275053E+21	4,813793E+21	6,570387E+21	6,570407E+21	4,813857E+21	2,275135E+21	5,146642E+20	4,185448E+18	0,000000E+00	0,000000E+00	4,186613E+18	5,147765E+20
-1183	2,275334E+21	4,813983E+21	6,570310E+21	6,570231E+21	4,813808E+21	2,275162E+21	5,146541E+20	4,181840E+18	0,000000E+00	0,000000E+00	4,181071E+18	5,146512E+20
-1182	2,275125E+21	4,813847E+21	6,570476E+21	6,570632E+21	4,814187E+21	2,275379E+21	5,147589E+20	4,182785E+18	0,000000E+00	0,000000E+00	4,181523E+18	5,146253E+20
-1181	2,275270E+21	4,814322E+21	6,570972E+21	6,570871E+21	4,814063E+21	2,275116E+21	5,145827E+20	4,180806E+18	0,000000E+00	0,000000E+00	4,181601E+18	5,147352E+20
-1180	2,275380E+21	4,814293E+21	6,570765E+21	6,570772E+21	4,814267E+21	2,275312E+21	5,146545E+20	4,177414E+18	0,000000E+00	0,000000E+00	4,177155E+18	5,145856E+20
-1179	2,275159E+21	4,814186E+21	6,571023E+21	6,571109E+21	4,814443E+21	2,275374E+21	5,146788E+20	4,180137E+18	0,000000E+00	0,000000E+00	4,180654E+18	5,146657E+20
-1178	2,275421E+21	4,814522E+21	6,571150E+21	6,571032E+21	4,814196E+21	2,275155E+21	5,145515E+20	4,177003E+18	0,000000E+00	0,000000E+00	4,178294E+18	5,146946E+20
-1177	2,275356E+21	4,814262E+21	6,570768E+21	6,570935E+21	4,814455E+21	2,275428E+21	5,147140E+20	4,178719E+18	0,000000E+00	0,000000E+00	4,178397E+18	5,145676E+20
-1176	2,275155E+21	4,814249E+21	6,571033E+21	6,571013E+21	4,814302E+21	2,275291E+21	5,146565E+20	4,182221E+18	0,000000E+00	0,000000E+00	4,182415E+18	5,147178E+20
-1175	2,275366E+21	4,814259E+21	6,570740E+21	6,570582E+21	4,813942E+21	2,275144E+21	5,146198E+20	4,180062E+18	0,000000E+00	0,000000E+00	4,181252E+18	5,146697E+20
-1174	2,275125E+21	4,813754E+21	6,570299E+21	6,570475E+21	4,814080E+21	2,275356E+21	5,147872E+20	4,186058E+18	0,000000E+00	0,000000E+00	4,185354E+18	5,146406E+20
-1173	2,275098E+21	4,813834E+21	6,570368E+21	6,570329E+21	4,813710E+21	2,275043E+21	5,146449E+20	4,186191E+18	0,000000E+00	0,000000E+00	4,188443E+18	5,148103E+20
-1172	2,275272E+21	4,813707E+21	6,569839E+21	6,569754E+21	4,813478E+21	2,275072E+21	5,147069E+20	4,186396E+18	0,000000E+00	0,000000E+00	4,188220E+18	5,147040E+20
-1171	2,274988E+21	4,813326E+21	6,569724E+21	6,569798E+21	4,813537E+21	2,275174E+21	5,148032E+20	4,191475E+18	0,000000E+00	0,000000E+00	4,190944E+18	5,147366E+20
-1170	2,275124E+21	4,813565E+21	6,569846E+21	6,569670E+21	4,813166E+21	2,274877E+21	5,146722E+20	4,190162E+18	0,000000E+00	0,000000E+00	4,192298E+18	5,148238E+20
-1169	2,275112E+21	4,813281E+21	6,569390E+21	6,569469E+21	4,813348E+21	2,275118E+21	5,148167E+20	4,192589E+18	0,000000E+00	0,000000E+00	4,190640E+18	5,146770E+20
-1168	2,274832E+21	4,813120E+21	6,569613E+21	6,569696E+21	4,813393E+21	2,275085E+21	5,147888E+20	4,193526E+18	0,000000E+00	0,000000E+00	4,193333E+18	5,147995E+20
-1167	2,275125E+21	4,813360E+21	6,569541E+21	6,569450E+21	4,813118E+21	2,274904E+21	5,146872E+20	4,190621E+18	0,000000E+00	0,000000E+00	4,191480E+18	5,147828E+20
-1166	2,275015E+21	4,813142E+21	6,569345E+21	6,569548E+21	4,813489E+21	2,275205E+21	5,148308E+20	4,190786E+18	0,000000E+00	0,000000E+00	4,189054E+18	5,146731E+20
-1165	2,274970E+21	4,813450E+21	6,569893E+21	6,569865E+21	4,813450E+21	2,275020E+21	5,146976E+20	4,189587E+18	0,000000E+00	0,000000E+00	4,190915E+18	5,148135E+20

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	2,275263E+21	4,813709E+21	6,569898E+21	6,569760E+21	4,813425E+21	2,275034E+21	5,146785E+20	4,185730E+18	0,000000E+00	0,000000E+00	4,185281E+18	5,146907E+20
-1163	2,275037E+21	4,813530E+21	6,570062E+21	6,570211E+21	4,813850E+21	2,275258E+21	5,147778E+20	4,186337E+18	0,000000E+00	0,000000E+00	4,185592E+18	5,146585E+20
-1162	2,275162E+21	4,813939E+21	6,570480E+21	6,570416E+21	4,813753E+21	2,275032E+21	5,146144E+20	4,184662E+18	0,000000E+00	0,000000E+00	4,185729E+18	5,147759E+20
-1161	2,275299E+21	4,813939E+21	6,570271E+21	6,570312E+21	4,813957E+21	2,275240E+21	5,146980E+20	4,181836E+18	0,000000E+00	0,000000E+00	4,181279E+18	5,146204E+20
-1160	2,275054E+21	4,813806E+21	6,570514E+21	6,570619E+21	4,814116E+21	2,275307E+21	5,147288E+20	4,184858E+18	0,000000E+00	0,000000E+00	4,184996E+18	5,147015E+20
-1159	2,275314E+21	4,814114E+21	6,570554E+21	6,570419E+21	4,813779E+21	2,275054E+21	5,145998E+20	4,182121E+18	0,000000E+00	0,000000E+00	4,182902E+18	5,147272E+20
-1158	2,275231E+21	4,813862E+21	6,570213E+21	6,570299E+21	4,813979E+21	2,275309E+21	5,147662E+20	4,184247E+18	0,000000E+00	0,000000E+00	4,183896E+18	5,146122E+20
-1157	2,275008E+21	4,813748E+21	6,570409E+21	6,570414E+21	4,813854E+21	2,275160E+21	5,147029E+20	4,187781E+18	0,000000E+00	0,000000E+00	4,188246E+18	5,147722E+20
-1156	2,275252E+21	4,813796E+21	6,570070E+21	6,569916E+21	4,813463E+21	2,274998E+21	5,146548E+20	4,185271E+18	0,000000E+00	0,000000E+00	4,187373E+18	5,147369E+20
-1155	2,275036E+21	4,813311E+21	6,569647E+21	6,569798E+21	4,813583E+21	2,275200E+21	5,148159E+20	4,190787E+18	0,000000E+00	0,000000E+00	4,190702E+18	5,146919E+20
-1154	2,275001E+21	4,813396E+21	6,569720E+21	6,569655E+21	4,813235E+21	2,274919E+21	5,146914E+20	4,191364E+18	0,000000E+00	0,000000E+00	4,193502E+18	5,148522E+20
-1153	2,275168E+21	4,813312E+21	6,569288E+21	6,569180E+21	4,813056E+21	2,274972E+21	5,147678E+20	4,192500E+18	0,000000E+00	0,000000E+00	4,192894E+18	5,147308E+20
-1152	2,274829E+21	4,812878E+21	6,569204E+21	6,569298E+21	4,813164E+21	2,275085E+21	5,148630E+20	4,197299E+18	0,000000E+00	0,000000E+00	4,195822E+18	5,147693E+20
-1151	2,274964E+21	4,813048E+21	6,569187E+21	6,569076E+21	4,812771E+21	2,274775E+21	5,147210E+20	4,195731E+18	0,000000E+00	0,000000E+00	4,197507E+18	5,148642E+20
-1150	2,274975E+21	4,812814E+21	6,568764E+21	6,568834E+21	4,812919E+21	2,275016E+21	5,148573E+20	4,197225E+18	0,000000E+00	0,000000E+00	4,195973E+18	5,147323E+20
-1149	2,274726E+21	4,812660E+21	6,568995E+21	6,569106E+21	4,812977E+21	2,274970E+21	5,148222E+20	4,197689E+18	0,000000E+00	0,000000E+00	4,198335E+18	5,148508E+20
-1148	2,275068E+21	4,813034E+21	6,568994E+21	6,568860E+21	4,812693E+21	2,274776E+21	5,147102E+20	4,194365E+18	0,000000E+00	0,000000E+00	4,196026E+18	5,148320E+20
-1147	2,274962E+21	4,812866E+21	6,568907E+21	6,569024E+21	4,813076E+21	2,275074E+21	5,148511E+20	4,194196E+18	0,000000E+00	0,000000E+00	4,192743E+18	5,147010E+20
-1146	2,274877E+21	4,813129E+21	6,569467E+21	6,569412E+21	4,813103E+21	2,274924E+21	5,147345E+20	4,193780E+18	0,000000E+00	0,000000E+00	4,194714E+18	5,148420E+20
-1145	2,275165E+21	4,813371E+21	6,569486E+21	6,569384E+21	4,813143E+21	2,274957E+21	5,147222E+20	4,190395E+18	0,000000E+00	0,000000E+00	4,189089E+18	5,147197E+20
-1144	2,274918E+21	4,813139E+21	6,569592E+21	6,569796E+21	4,813571E+21	2,275194E+21	5,148199E+20	4,190746E+18	0,000000E+00	0,000000E+00	4,189859E+18	5,146976E+20
-1143	2,275065E+21	4,813525E+21	6,569888E+21	6,569855E+21	4,813393E+21	2,274948E+21	5,146546E+20	4,189107E+18	0,000000E+00	0,000000E+00	4,189976E+18	5,148122E+20
-1142	2,275212E+21	4,813593E+21	6,569746E+21	6,569705E+21	4,813530E+21	2,275142E+21	5,147408E+20	4,186307E+18	0,000000E+00	0,000000E+00	4,186069E+18	5,146607E+20
-1141	2,274943E+21	4,813402E+21	6,569985E+21	6,570066E+21	4,813699E+21	2,275201E+21	5,147759E+20	4,189896E+18	0,000000E+00	0,000000E+00	4,189826E+18	5,147358E+20
-1140	2,275197E+21	4,813728E+21	6,570022E+21	6,569858E+21	4,813344E+21	2,274923E+21	5,146377E+20	4,187132E+18	0,000000E+00	0,000000E+00	4,188241E+18	5,147742E+20
-1139	2,275108E+21	4,813418E+21	6,569630E+21	6,569707E+21	4,813533E+21	2,275168E+21	5,147972E+20	4,189072E+18	0,000000E+00	0,000000E+00	4,189126E+18	5,146564E+20
-1138	2,274877E+21	4,813250E+21	6,569740E+21	6,569777E+21	4,813422E+21	2,275049E+21	5,147462E+20	4,192791E+18	0,000000E+00	0,000000E+00	4,193557E+18	5,148240E+20
-1137	2,275153E+21	4,813342E+21	6,569436E+21	6,569305E+21	4,813027E+21	2,274886E+21	5,147063E+20	4,190905E+18	0,000000E+00	0,000000E+00	4,192587E+18	5,147831E+20
-1136	2,274922E+21	4,812863E+21	6,569029E+21	6,569184E+21	4,813152E+21	2,275095E+21	5,148681E+20	4,196345E+18	0,000000E+00	0,000000E+00	4,195834E+18	5,147345E+20
-1135	2,274879E+21	4,812937E+21	6,569070E+21	6,568981E+21	4,812761E+21	2,274803E+21	5,147467E+20	4,197191E+18	0,000000E+00	0,000000E+00	4,198803E+18	5,148900E+20
-1134	2,275032E+21	4,812877E+21	6,568716E+21	6,568540E+21	4,812571E+21	2,274849E+21	5,148211E+20	4,198384E+18	0,000000E+00	0,000000E+00	4,198735E+18	5,147797E+20
-1133	2,274681E+21	4,812364E+21	6,568572E+21	6,568718E+21	4,812743E+21	2,274967E+21	5,149084E+20	4,202678E+18	0,000000E+00	0,000000E+00	4,201531E+18	5,148213E+20
-1132	2,274857E+21	4,812607E+21	6,568543E+21	6,568443E+21	4,812332E+21	2,274648E+21	5,147522E+20	4,200383E+18	0,000000E+00	0,000000E+00	4,203161E+18	5,149248E+20
-1131	2,274898E+21	4,812419E+21	6,568173E+21	6,568213E+21	4,812466E+21	2,274878E+21	5,148788E+20	4,200951E+18	0,000000E+00	0,000000E+00	4,200358E+18	5,147749E+20
-1130	2,274649E+21	4,812294E+21	6,568439E+21	6,568531E+21	4,812577E+21	2,274870E+21	5,148592E+20	4,201739E+18	0,000000E+00	0,000000E+00	4,202312E+18	5,148816E+20
-1129	2,274982E+21	4,812714E+21	6,568568E+21	6,568415E+21	4,812347E+21	2,274691E+21	5,147581E+20	4,199128E+18	0,000000E+00	0,000000E+00	4,199513E+18	5,148513E+20

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	2,274839E+21	4,812516E+21	6,568509E+21	6,568649E+21	4,812782E+21	2,274997E+21	5,148938E+20	4,198650E+18	0,000000E+00	0,000000E+00	4,196517E+18	5,147262E+20
-1127	2,274754E+21	4,812724E+21	6,568943E+21	6,568934E+21	4,812782E+21	2,274844E+21	5,147754E+20	4,198344E+18	0,000000E+00	0,000000E+00	4,198857E+18	5,148745E+20
-1126	2,275059E+21	4,813007E+21	6,568995E+21	6,568865E+21	4,812783E+21	2,274874E+21	5,147585E+20	4,194452E+18	0,000000E+00	0,000000E+00	4,193696E+18	5,147662E+20
-1125	2,274831E+21	4,812751E+21	6,569067E+21	6,569296E+21	4,813217E+21	2,275101E+21	5,148543E+20	4,194818E+18	0,000000E+00	0,000000E+00	4,194397E+18	5,147396E+20
-1124	2,275001E+21	4,813210E+21	6,569366E+21	6,569301E+21	4,813000E+21	2,274840E+21	5,146852E+20	4,193160E+18	0,000000E+00	0,000000E+00	4,194526E+18	5,148539E+20
-1123	2,275130E+21	4,813269E+21	6,569280E+21	6,569173E+21	4,813104E+21	2,275014E+21	5,147708E+20	4,190396E+18	0,000000E+00	0,000000E+00	4,190443E+18	5,146935E+20
-1122	2,274825E+21	4,812986E+21	6,569444E+21	6,569537E+21	4,813303E+21	2,275095E+21	5,148217E+20	4,194911E+18	0,000000E+00	0,000000E+00	4,194626E+18	5,147729E+20
-1121	2,275062E+21	4,813262E+21	6,569450E+21	6,569343E+21	4,812967E+21	2,274825E+21	5,146897E+20	4,192683E+18	0,000000E+00	0,000000E+00	4,193338E+18	5,148188E+20
-1120	2,274978E+21	4,812938E+21	6,569002E+21	6,569121E+21	4,813122E+21	2,275061E+21	5,148414E+20	4,194372E+18	0,000000E+00	0,000000E+00	4,194614E+18	5,147091E+20
-1119	2,274771E+21	4,812768E+21	6,569008E+21	6,569044E+21	4,812924E+21	2,274926E+21	5,147942E+20	4,198229E+18	0,000000E+00	0,000000E+00	4,198895E+18	5,148710E+20
-1118	2,275053E+21	4,812935E+21	6,568811E+21	6,568588E+21	4,812507E+21	2,274758E+21	5,147565E+20	4,196539E+18	0,000000E+00	0,000000E+00	4,198355E+18	5,148315E+20
-1117	2,274800E+21	4,812412E+21	6,568434E+21	6,568570E+21	4,812678E+21	2,274966E+21	5,149189E+20	4,202141E+18	0,000000E+00	0,000000E+00	4,201357E+18	5,147766E+20
-1116	2,274753E+21	4,812503E+21	6,568473E+21	6,568379E+21	4,812303E+21	2,274669E+21	5,147896E+20	4,202634E+18	0,000000E+00	0,000000E+00	4,204713E+18	5,149414E+20
-1115	2,274903E+21	4,812413E+21	6,568116E+21	6,567952E+21	4,812125E+21	2,274712E+21	5,148525E+20	4,203142E+18	0,000000E+00	0,000000E+00	4,204086E+18	5,148286E+20
-1114	2,274561E+21	4,811881E+21	6,567916E+21	6,568112E+21	4,812332E+21	2,274866E+21	5,149492E+20	4,207207E+18	0,000000E+00	0,000000E+00	4,206506E+18	5,148679E+20
-1113	2,274755E+21	4,812183E+21	6,567965E+21	6,567897E+21	4,811945E+21	2,274557E+21	5,148000E+20	4,205305E+18	0,000000E+00	0,000000E+00	4,207541E+18	5,149608E+20
-1112	2,274798E+21	4,812042E+21	6,567644E+21	6,567681E+21	4,812089E+21	2,274789E+21	5,149230E+20	4,205533E+18	0,000000E+00	0,000000E+00	4,204295E+18	5,148037E+20
-1111	2,274539E+21	4,811915E+21	6,567891E+21	6,567958E+21	4,812167E+21	2,274774E+21	5,149096E+20	4,206751E+18	0,000000E+00	0,000000E+00	4,206348E+18	5,149064E+20
-1110	2,274862E+21	4,812358E+21	6,568102E+21	6,567912E+21	4,811964E+21	2,274592E+21	5,148037E+20	4,204071E+18	0,000000E+00	0,000000E+00	4,204131E+18	5,148910E+20
-1109	2,274719E+21	4,812096E+21	6,567994E+21	6,568197E+21	4,812451E+21	2,274899E+21	5,149292E+20	4,203093E+18	0,000000E+00	0,000000E+00	4,201251E+18	5,147730E+20
-1108	2,274682E+21	4,812378E+21	6,568413E+21	6,568413E+21	4,812414E+21	2,274739E+21	5,148013E+20	4,202234E+18	0,000000E+00	0,000000E+00	4,203740E+18	5,149280E+20
-1107	2,275002E+21	4,812691E+21	6,568509E+21	6,568343E+21	4,812380E+21	2,274749E+21	5,147769E+20	4,197707E+18	0,000000E+00	0,000000E+00	4,197696E+18	5,148029E+20
-1106	2,274756E+21	4,812423E+21	6,568569E+21	6,568783E+21	4,812852E+21	2,275012E+21	5,148917E+20	4,198827E+18	0,000000E+00	0,000000E+00	4,198379E+18	5,147666E+20
-1105	2,274889E+21	4,812863E+21	6,568938E+21	6,568871E+21	4,812655E+21	2,274755E+21	5,147347E+20	4,198074E+18	0,000000E+00	0,000000E+00	4,198440E+18	5,148751E+20
-1104	2,274986E+21	4,812851E+21	6,568778E+21	6,568721E+21	4,812764E+21	2,274923E+21	5,148162E+20	4,195308E+18	0,000000E+00	0,000000E+00	4,195046E+18	5,147280E+20
-1103	2,274684E+21	4,812500E+21	6,568777E+21	6,568924E+21	4,812895E+21	2,274997E+21	5,148699E+20	4,200161E+18	0,000000E+00	0,000000E+00	4,199686E+18	5,148181E+20
-1102	2,274945E+21	4,812817E+21	6,568811E+21	6,568678E+21	4,812502E+21	2,274712E+21	5,147351E+20	4,197755E+18	0,000000E+00	0,000000E+00	4,199068E+18	5,148779E+20
-1101	2,274880E+21	4,812482E+21	6,568347E+21	6,568479E+21	4,812653E+21	2,274930E+21	5,148818E+20	4,199550E+18	0,000000E+00	0,000000E+00	4,200201E+18	5,147631E+20
-1100	2,274698E+21	4,812399E+21	6,568392E+21	6,568366E+21	4,812420E+21	2,274783E+21	5,148336E+20	4,203330E+18	0,000000E+00	0,000000E+00	4,204508E+18	5,149213E+20
-1099	2,274950E+21	4,812550E+21	6,568272E+21	6,567982E+21	4,812004E+21	2,274602E+21	5,147940E+20	4,201707E+18	0,000000E+00	0,000000E+00	4,203721E+18	5,148721E+20
-1098	2,274662E+21	4,811947E+21	6,567834E+21	6,568004E+21	4,812257E+21	2,274853E+21	5,149693E+20	4,207745E+18	0,000000E+00	0,000000E+00	4,206803E+18	5,148204E+20
-1097	2,274600E+21	4,812000E+21	6,567863E+21	6,567843E+21	4,811919E+21	2,274577E+21	5,148467E+20	4,208453E+18	0,000000E+00	0,000000E+00	4,210067E+18	5,149858E+20
-1096	2,274767E+21	4,811917E+21	6,567463E+21	6,567364E+21	4,811727E+21	2,274619E+21	5,149013E+20	4,208393E+18	0,000000E+00	0,000000E+00	4,209215E+18	5,148755E+20
-1095	2,274449E+21	4,811409E+21	6,567196E+21	6,567408E+21	4,811866E+21	2,274761E+21	5,150001E+20	4,212359E+18	0,000000E+00	0,000000E+00	4,211176E+18	5,149055E+20
-1094	2,274645E+21	4,811796E+21	6,567382E+21	6,567245E+21	4,811481E+21	2,274449E+21	5,148497E+20	4,210533E+18	0,000000E+00	0,000000E+00	4,212357E+18	5,149984E+20
-1093	2,274679E+21	4,811642E+21	6,567125E+21	6,567158E+21	4,811679E+21	2,274670E+21	5,149642E+20	4,210481E+18	0,000000E+00	0,000000E+00	4,208812E+18	5,148402E+20

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	2,274443E+21	4,811563E+21	6,567381E+21	6,567443E+21	4,811774E+21	2,274651E+21	5,149415E+20	4,211185E+18	0,000000E+00	0,000000E+00	4,211236E+18	5,149520E+20
-1091	2,274769E+21	4,812003E+21	6,567628E+21	6,567445E+21	4,811598E+21	2,274469E+21	5,148229E+20	4,207629E+18	0,000000E+00	0,000000E+00	4,208427E+18	5,149356E+20
-1090	2,274642E+21	4,811746E+21	6,567492E+21	6,567729E+21	4,812123E+21	2,274810E+21	5,149566E+20	4,206535E+18	0,000000E+00	0,000000E+00	4,205412E+18	5,148146E+20
-1089	2,274603E+21	4,812050E+21	6,567964E+21	6,567988E+21	4,812108E+21	2,274667E+21	5,148410E+20	4,206241E+18	0,000000E+00	0,000000E+00	4,207397E+18	5,149549E+20
-1088	2,274909E+21	4,812376E+21	6,568072E+21	6,567908E+21	4,812064E+21	2,274673E+21	5,148154E+20	4,201650E+18	0,000000E+00	0,000000E+00	4,201347E+18	5,148269E+20
-1087	2,274641E+21	4,812053E+21	6,568030E+21	6,568236E+21	4,812463E+21	2,274924E+21	5,149427E+20	4,203806E+18	0,000000E+00	0,000000E+00	4,202513E+18	5,147917E+20
-1086	2,274747E+21	4,812453E+21	6,568402E+21	6,568332E+21	4,812268E+21	2,274659E+21	5,147841E+20	4,203315E+18	0,000000E+00	0,000000E+00	4,203459E+18	5,149180E+20
-1085	2,274852E+21	4,812375E+21	6,568157E+21	6,568161E+21	4,812364E+21	2,274809E+21	5,148574E+20	4,200466E+18	0,000000E+00	0,000000E+00	4,200505E+18	5,147842E+20
-1084	2,274605E+21	4,812093E+21	6,568122E+21	6,568251E+21	4,812412E+21	2,274858E+21	5,149045E+20	4,204997E+18	0,000000E+00	0,000000E+00	4,205357E+18	5,148790E+20
-1083	2,274870E+21	4,812440E+21	6,568219E+21	6,568031E+21	4,811998E+21	2,274554E+21	5,147645E+20	4,202183E+18	0,000000E+00	0,000000E+00	4,204203E+18	5,149252E+20
-1082	2,274787E+21	4,812095E+21	6,567772E+21	6,567872E+21	4,812196E+21	2,274806E+21	5,149259E+20	4,204759E+18	0,000000E+00	0,000000E+00	4,205325E+18	5,148014E+20
-1081	2,274559E+21	4,811976E+21	6,567882E+21	6,567862E+21	4,812014E+21	2,274679E+21	5,148923E+20	4,209222E+18	0,000000E+00	0,000000E+00	4,209498E+18	5,149519E+20
-1080	2,274786E+21	4,812061E+21	6,567685E+21	6,567466E+21	4,811628E+21	2,274504E+21	5,148476E+20	4,207512E+18	0,000000E+00	0,000000E+00	4,209233E+18	5,149125E+20
-1079	2,274500E+21	4,811402E+21	6,567088E+21	6,567325E+21	4,811819E+21	2,274759E+21	5,150274E+20	4,213638E+18	0,000000E+00	0,000000E+00	4,212285E+18	5,148688E+20
-1078	2,274459E+21	4,811494E+21	6,567156E+21	6,567148E+21	4,811455E+21	2,274472E+21	5,149003E+20	4,214042E+18	0,000000E+00	0,000000E+00	4,215827E+18	5,150401E+20
-1077	2,274652E+21	4,811429E+21	6,566764E+21	6,566699E+21	4,811264E+21	2,274497E+21	5,149467E+20	4,213681E+18	0,000000E+00	0,000000E+00	4,214483E+18	5,149276E+20
-1076	2,274378E+21	4,811047E+21	6,566583E+21	6,566726E+21	4,811364E+21	2,274618E+21	5,150375E+20	4,217105E+18	0,000000E+00	0,000000E+00	4,216286E+18	5,149534E+20
-1075	2,274555E+21	4,811451E+21	6,566892E+21	6,566685E+21	4,811009E+21	2,274293E+21	5,148790E+20	4,214981E+18	0,000000E+00	0,000000E+00	4,216978E+18	5,150379E+20
-1074	2,274573E+21	4,811265E+21	6,566628E+21	6,566685E+21	4,811318E+21	2,274557E+21	5,149957E+20	4,214817E+18	0,000000E+00	0,000000E+00	4,213383E+18	5,148830E+20
-1073	2,274338E+21	4,811196E+21	6,566932E+21	6,567031E+21	4,811469E+21	2,274567E+21	5,149789E+20	4,215514E+18	0,000000E+00	0,000000E+00	4,215521E+18	5,149909E+20
-1072	2,274681E+21	4,811648E+21	6,567144E+21	6,567007E+21	4,811299E+21	2,274394E+21	5,148561E+20	4,211472E+18	0,000000E+00	0,000000E+00	4,212238E+18	5,149677E+20
-1071	2,274553E+21	4,811397E+21	6,566941E+21	6,567182E+21	4,811768E+21	2,274735E+21	5,150003E+20	4,210704E+18	0,000000E+00	0,000000E+00	4,209026E+18	5,148392E+20
-1070	2,274494E+21	4,811718E+21	6,567493E+21	6,567473E+21	4,811749E+21	2,274591E+21	5,148901E+20	4,210944E+18	0,000000E+00	0,000000E+00	4,211345E+18	5,149765E+20
-1069	2,274769E+21	4,811973E+21	6,567579E+21	6,567444E+21	4,811715E+21	2,274578E+21	5,148596E+20	4,206414E+18	0,000000E+00	0,000000E+00	4,205649E+18	5,148608E+20
-1068	2,274535E+21	4,811671E+21	6,567475E+21	6,567681E+21	4,812061E+21	2,274803E+21	5,149770E+20	4,208396E+18	0,000000E+00	0,000000E+00	4,207669E+18	5,148420E+20
-1067	2,274645E+21	4,812050E+21	6,567844E+21	6,567768E+21	4,811838E+21	2,274520E+21	5,148086E+20	4,207273E+18	0,000000E+00	0,000000E+00	4,208417E+18	5,149717E+20
-1066	2,274771E+21	4,811980E+21	6,567571E+21	6,567586E+21	4,811951E+21	2,274688E+21	5,148874E+20	4,204759E+18	0,000000E+00	0,000000E+00	4,205629E+18	5,148375E+20
-1065	2,274522E+21	4,811728E+21	6,567602E+21	6,567714E+21	4,812007E+21	2,274747E+21	5,149476E+20	4,209923E+18	0,000000E+00	0,000000E+00	4,210037E+18	5,149171E+20
-1064	2,274766E+21	4,812066E+21	6,567698E+21	6,567496E+21	4,811599E+21	2,274450E+21	5,148132E+20	4,207350E+18	0,000000E+00	0,000000E+00	4,209037E+18	5,149572E+20
-1063	2,274643E+21	4,811641E+21	6,567151E+21	6,567253E+21	4,811749E+21	2,274700E+21	5,149880E+20	4,210990E+18	0,000000E+00	0,000000E+00	4,210618E+18	5,148395E+20
-1062	2,274390E+21	4,811459E+21	6,567227E+21	6,567245E+21	4,811590E+21	2,274579E+21	5,149539E+20	4,215520E+18	0,000000E+00	0,000000E+00	4,215495E+18	5,150015E+20
-1061	2,274626E+21	4,811498E+21	6,566950E+21	6,566810E+21	4,811187E+21	2,274392E+21	5,149001E+20	4,213500E+18	0,000000E+00	0,000000E+00	4,215529E+18	5,149778E+20
-1060	2,274412E+21	4,810937E+21	6,566329E+21	6,566540E+21	4,811283E+21	2,274614E+21	5,150683E+20	4,218906E+18	0,000000E+00	0,000000E+00	4,218237E+18	5,149321E+20
-1059	2,274373E+21	4,811073E+21	6,566507E+21	6,566439E+21	4,810918E+21	2,274307E+21	5,149319E+20	4,218644E+18	0,000000E+00	0,000000E+00	4,220980E+18	5,150867E+20
-1058	2,274560E+21	4,811047E+21	6,566197E+21	6,566085E+21	4,810793E+21	2,274357E+21	5,149830E+20	4,218564E+18	0,000000E+00	0,000000E+00	4,219269E+18	5,149660E+20
-1057	2,274256E+21	4,810669E+21	6,566128E+21	6,566253E+21	4,810973E+21	2,274500E+21	5,150814E+20	4,222092E+18	0,000000E+00	0,000000E+00	4,220618E+18	5,149837E+20

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	2,274428E+21	4,811055E+21	6,566414E+21	6,566258E+21	4,810700E+21	2,274206E+21	5,149182E+20	4,219583E+18	0,000000E+00	0,000000E+00	4,221349E+18	5,150709E+20
-1055	2,274450E+21	4,810850E+21	6,566061E+21	6,566154E+21	4,810975E+21	2,274482E+21	5,150398E+20	4,219351E+18	0,000000E+00	0,000000E+00	4,217553E+18	5,149204E+20
-1054	2,274234E+21	4,810815E+21	6,566403E+21	6,566517E+21	4,811139E+21	2,274499E+21	5,150239E+20	4,219973E+18	0,000000E+00	0,000000E+00	4,219744E+18	5,150237E+20
-1053	2,274578E+21	4,811267E+21	6,566616E+21	6,566510E+21	4,810970E+21	2,274315E+21	5,148969E+20	4,215839E+18	0,000000E+00	0,000000E+00	4,216207E+18	5,150009E+20
-1052	2,274479E+21	4,811089E+21	6,566436E+21	6,566608E+21	4,811356E+21	2,274624E+21	5,150364E+20	4,214895E+18	0,000000E+00	0,000000E+00	4,213342E+18	5,148750E+20
-1051	2,274387E+21	4,811360E+21	6,567034E+21	6,566982E+21	4,811343E+21	2,274456E+21	5,149191E+20	4,215044E+18	0,000000E+00	0,000000E+00	4,215655E+18	5,150121E+20
-1050	2,274653E+21	4,811570E+21	6,567057E+21	6,566957E+21	4,811361E+21	2,274466E+21	5,148899E+20	4,210668E+18	0,000000E+00	0,000000E+00	4,210500E+18	5,149112E+20
-1049	2,274436E+21	4,811283E+21	6,566973E+21	6,567185E+21	4,811697E+21	2,274698E+21	5,150125E+20	4,212893E+18	0,000000E+00	0,000000E+00	4,212513E+18	5,148919E+20
-1048	2,274568E+21	4,811679E+21	6,567302E+21	6,567229E+21	4,811461E+21	2,274419E+21	5,148448E+20	4,211565E+18	0,000000E+00	0,000000E+00	4,212970E+18	5,150124E+20
-1047	2,274679E+21	4,811599E+21	6,566976E+21	6,566952E+21	4,811514E+21	2,274583E+21	5,149360E+20	4,209950E+18	0,000000E+00	0,000000E+00	4,210298E+18	5,148730E+20
-1046	2,274401E+21	4,811334E+21	6,567056E+21	6,567128E+21	4,811589E+21	2,274648E+21	5,150039E+20	4,215731E+18	0,000000E+00	0,000000E+00	4,215027E+18	5,149473E+20
-1045	2,274604E+21	4,811572E+21	6,567090E+21	6,566942E+21	4,811201E+21	2,274346E+21	5,148696E+20	4,213371E+18	0,000000E+00	0,000000E+00	4,214631E+18	5,150021E+20
-1044	2,274511E+21	4,811157E+21	6,566471E+21	6,566577E+21	4,811279E+21	2,274572E+21	5,150352E+20	4,216729E+18	0,000000E+00	0,000000E+00	4,216834E+18	5,149019E+20
-1043	2,274266E+21	4,810954E+21	6,566543E+21	6,566563E+21	4,811086E+21	2,274429E+21	5,149903E+20	4,220387E+18	0,000000E+00	0,000000E+00	4,221313E+18	5,150597E+20
-1042	2,274520E+21	4,811019E+21	6,566253E+21	6,566123E+21	4,810707E+21	2,274259E+21	5,149381E+20	4,218480E+18	0,000000E+00	0,000000E+00	4,221250E+18	5,150358E+20
-1041	2,274317E+21	4,810538E+21	6,565753E+21	6,565907E+21	4,810811E+21	2,274483E+21	5,151102E+20	4,223953E+18	0,000000E+00	0,000000E+00	4,223068E+18	5,149735E+20
-1040	2,274272E+21	4,810692E+21	6,565971E+21	6,565858E+21	4,810482E+21	2,274189E+21	5,149769E+20	4,223725E+18	0,000000E+00	0,000000E+00	4,225533E+18	5,151142E+20
-1039	2,274421E+21	4,810616E+21	6,565628E+21	6,565509E+21	4,810371E+21	2,274249E+21	5,150359E+20	4,224264E+18	0,000000E+00	0,000000E+00	4,223884E+18	5,149999E+20
-1038	2,274114E+21	4,810224E+21	6,565570E+21	6,565739E+21	4,810623E+21	2,274411E+21	5,151319E+20	4,227550E+18	0,000000E+00	0,000000E+00	4,225525E+18	5,150226E+20
-1037	2,274297E+21	4,810587E+21	6,565815E+21	6,565737E+21	4,810368E+21	2,274129E+21	5,149650E+20	4,224647E+18	0,000000E+00	0,000000E+00	4,226296E+18	5,151203E+20
-1036	2,274381E+21	4,810484E+21	6,565481E+21	6,565541E+21	4,810558E+21	2,274373E+21	5,150735E+20	4,223473E+18	0,000000E+00	0,000000E+00	4,222217E+18	5,149685E+20
-1035	2,274159E+21	4,810477E+21	6,565910E+21	6,565971E+21	4,810720E+21	2,274373E+21	5,150500E+20	4,223565E+18	0,000000E+00	0,000000E+00	4,223797E+18	5,150540E+20
-1034	2,274481E+21	4,810931E+21	6,566159E+21	6,566029E+21	4,810608E+21	2,274210E+21	5,149267E+20	4,219771E+18	0,000000E+00	0,000000E+00	4,220271E+18	5,150320E+20
-1033	2,274365E+21	4,810751E+21	6,566038E+21	6,566184E+21	4,811018E+21	2,274520E+21	5,150695E+20	4,219011E+18	0,000000E+00	0,000000E+00	4,217438E+18	5,149086E+20
-1032	2,274283E+21	4,810984E+21	6,566553E+21	6,566540E+21	4,811039E+21	2,274370E+21	5,149509E+20	4,219075E+18	0,000000E+00	0,000000E+00	4,219844E+18	5,150481E+20
-1031	2,274550E+21	4,811165E+21	6,566487E+21	6,566401E+21	4,810991E+21	2,274378E+21	5,149304E+20	4,215107E+18	0,000000E+00	0,000000E+00	4,214953E+18	5,149575E+20
-1030	2,274352E+21	4,810904E+21	6,566420E+21	6,566636E+21	4,811327E+21	2,274606E+21	5,150555E+20	4,217685E+18	0,000000E+00	0,000000E+00	4,217179E+18	5,149312E+20
-1029	2,274472E+21	4,811289E+21	6,566748E+21	6,566671E+21	4,811080E+21	2,274329E+21	5,148939E+20	4,216631E+18	0,000000E+00	0,000000E+00	4,217729E+18	5,150537E+20
-1028	2,274594E+21	4,811242E+21	6,566424E+21	6,566306E+21	4,811031E+21	2,274453E+21	5,149816E+20	4,215302E+18	0,000000E+00	0,000000E+00	4,215680E+18	5,149175E+20
-1027	2,274271E+21	4,810891E+21	6,566496E+21	6,566548E+21	4,811124E+21	2,274502E+21	5,150440E+20	4,220904E+18	0,000000E+00	0,000000E+00	4,220473E+18	5,149904E+20
-1026	2,274460E+21	4,811072E+21	6,566444E+21	6,566339E+21	4,810776E+21	2,274223E+21	5,149106E+20	4,218746E+18	0,000000E+00	0,000000E+00	4,220741E+18	5,150607E+20
-1025	2,274386E+21	4,810677E+21	6,565833E+21	6,565926E+21	4,810817E+21	2,274449E+21	5,150806E+20	4,222218E+18	0,000000E+00	0,000000E+00	4,222532E+18	5,149592E+20
-1024	2,274169E+21	4,810492E+21	6,565875E+21	6,565898E+21	4,810628E+21	2,274310E+21	5,150346E+20	4,225455E+18	0,000000E+00	0,000000E+00	4,226363E+18	5,150987E+20
-1023	2,274398E+21	4,810563E+21	6,565581E+21	6,565408E+21	4,810206E+21	2,274139E+21	5,149946E+20	4,224367E+18	0,000000E+00	0,000000E+00	4,226201E+18	5,150715E+20
-1022	2,274180E+21	4,810094E+21	6,565163E+21	6,565296E+21	4,810362E+21	2,274367E+21	5,151666E+20	4,230018E+18	0,000000E+00	0,000000E+00	4,227948E+18	5,150022E+20
-1021	2,274111E+21	4,810200E+21	6,565373E+21	6,565309E+21	4,810091E+21	2,274089E+21	5,150328E+20	4,229660E+18	0,000000E+00	0,000000E+00	4,230892E+18	5,151580E+20

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°
-1020	2,274303E+21	4,810168E+21	6,565009E+21	6,564887E+21	4,809935E+21	2,274128E+21	5,150756E+20	4,229414E+18	0,000000E+00	0,000000E+00	4,229448E+18	5,150569E+20
-1019	2,274015E+21	4,809798E+21	6,564997E+21	6,565173E+21	4,810198E+21	2,274282E+21	5,151589E+20	4,231487E+18	0,000000E+00	0,000000E+00	4,230503E+18	5,150720E+20
-1018	2,274217E+21	4,810204E+21	6,565254E+21	6,565196E+21	4,809998E+21	2,274027E+21	5,149934E+20	4,228554E+18	0,000000E+00	0,000000E+00	4,231022E+18	5,151659E+20
-1017	2,274304E+21	4,810179E+21	6,565049E+21	6,565043E+21	4,810186E+21	2,274273E+21	5,151055E+20	4,227236E+18	0,000000E+00	0,000000E+00	4,226081E+18	5,150026E+20
-1016	2,274078E+21	4,810159E+21	6,565483E+21	6,565519E+21	4,810375E+21	2,274281E+21	5,150846E+20	4,227505E+18	0,000000E+00	0,000000E+00	4,227425E+18	5,150721E+20
-1015	2,274349E+21	4,810538E+21	6,565664E+21	6,565546E+21	4,810259E+21	2,274123E+21	5,149709E+20	4,224413E+18	0,000000E+00	0,000000E+00	4,224284E+18	5,150653E+20
-1014	2,274251E+21	4,810354E+21	6,565519E+21	6,565707E+21	4,810698E+21	2,274437E+21	5,151106E+20	4,223724E+18	0,000000E+00	0,000000E+00	4,221949E+18	5,149483E+20
-1013	2,274185E+21	4,810570E+21	6,565978E+21	6,566007E+21	4,810697E+21	2,274296E+21	5,149961E+20	4,223856E+18	0,000000E+00	0,000000E+00	4,224489E+18	5,150966E+20
-1012	2,274496E+21	4,810828E+21	6,565925E+21	6,565779E+21	4,810547E+21	2,274258E+21	5,149657E+20	4,219535E+18	0,000000E+00	0,000000E+00	4,219746E+18	5,150050E+20
-1011	2,274279E+21	4,810570E+21	6,565931E+21	6,566074E+21	4,810869E+21	2,274465E+21	5,150861E+20	4,221962E+18	0,000000E+00	0,000000E+00	4,221744E+18	5,149631E+20
-1010	2,274353E+21	4,810898E+21	6,566239E+21	6,566149E+21	4,810680E+21	2,274216E+21	5,149344E+20	4,221498E+18	0,000000E+00	0,000000E+00	4,222688E+18	5,150884E+20
-1009	2,274451E+21	4,810824E+21	6,565937E+21	6,565805E+21	4,810638E+21	2,274338E+21	5,150240E+20	4,220456E+18	0,000000E+00	0,000000E+00	4,221001E+18	5,149634E+20
-1008	2,274145E+21	4,810414E+21	6,565881E+21	6,565981E+21	4,810734E+21	2,274403E+21	5,150872E+20	4,225934E+18	0,000000E+00	0,000000E+00	4,225646E+18	5,150304E+20
-1007	2,274314E+21	4,810553E+21	6,565736E+21	6,565658E+21	4,810323E+21	2,274123E+21	5,149652E+20	4,224333E+18	0,000000E+00	0,000000E+00	4,226221E+18	5,151120E+20
-1006	2,274273E+21	4,810197E+21	6,565140E+21	6,565249E+21	4,810357E+21	2,274337E+21	5,151345E+20	4,228150E+18	0,000000E+00	0,000000E+00	4,227881E+18	5,150016E+20
-1005	2,274046E+21	4,810019E+21	6,565196E+21	6,565214E+21	4,810158E+21	2,274202E+21	5,150936E+20	4,231432E+18	0,000000E+00	0,000000E+00	4,231730E+18	5,151429E+20
-1004	2,274288E+21	4,810131E+21	6,564949E+21	6,564705E+21	4,809667E+21	2,273988E+21	5,150434E+20	4,230327E+18	0,000000E+00	0,000000E+00	4,232011E+18	5,151223E+20
-1003	2,274053E+21	4,809633E+21	6,564576E+21	6,564702E+21	4,809874E+21	2,274205E+21	5,152000E+20	4,235077E+18	0,000000E+00	0,000000E+00	4,233620E+18	5,150541E+20
-1002	2,273991E+21	4,809734E+21	6,564753E+21	6,564734E+21	4,809687E+21	2,273974E+21	5,150688E+20	4,234541E+18	0,000000E+00	0,000000E+00	4,236850E+18	5,152187E+20
-1001	2,274212E+21	4,809778E+21	6,564476E+21	6,564326E+21	4,809526E+21	2,274017E+21	5,151088E+20	4,233822E+18	0,000000E+00	0,000000E+00	4,234486E+18	5,151117E+20
-1000	2,273955E+21	4,809447E+21	6,564466E+21	6,564636E+21	4,809822E+21	2,274185E+21	5,151913E+20	4,235352E+18	0,000000E+00	0,000000E+00	4,234461E+18	5,150970E+20
-999	2,274107E+21	4,809841E+21	6,564733E+21	6,564648E+21	4,809615E+21	2,273944E+21	5,150405E+20	4,233198E+18	0,000000E+00	0,000000E+00	4,234758E+18	5,151875E+20
-998	2,274179E+21	4,809802E+21	6,564572E+21	6,564586E+21	4,809850E+21	2,274190E+21	5,151534E+20	4,232061E+18	0,000000E+00	0,000000E+00	4,229742E+18	5,150208E+20
-997	2,273938E+21	4,809736E+21	6,564961E+21	6,565066E+21	4,810071E+21	2,274214E+21	5,151344E+20	4,232412E+18	0,000000E+00	0,000000E+00	4,231749E+18	5,151088E+20
-996	2,274250E+21	4,810149E+21	6,565108E+21	6,564982E+21	4,809861E+21	2,274018E+21	5,150070E+20	4,228804E+18	0,000000E+00	0,000000E+00	4,228997E+18	5,151163E+20
-995	2,274173E+21	4,809988E+21	6,565002E+21	6,565179E+21	4,810284E+21	2,274307E+21	5,151324E+20	4,227307E+18	0,000000E+00	0,000000E+00	4,226570E+18	5,149951E+20
-994	2,274120E+21	4,810238E+21	6,565466E+21	6,565487E+21	4,810320E+21	2,274189E+21	5,150251E+20	4,227819E+18	0,000000E+00	0,000000E+00	4,229168E+18	5,151392E+20
-993	2,274418E+21	4,810540E+21	6,565510E+21	6,565276E+21	4,810146E+21	2,274144E+21	5,149998E+20	4,223788E+18	0,000000E+00	0,000000E+00	4,224136E+18	5,150412E+20
-992	2,274183E+21	4,810219E+21	6,565470E+21	6,565599E+21	4,810495E+21	2,274362E+21	5,151262E+20	4,226693E+18	0,000000E+00	0,000000E+00	4,226042E+18	5,149841E+20
-991	2,274187E+21	4,810423E+21	6,565654E+21	6,565608E+21	4,810297E+21	2,274125E+21	5,149897E+20	4,227117E+18	0,000000E+00	0,000000E+00	4,227739E+18	5,151277E+20
-990	2,274301E+21	4,810307E+21	6,565269E+21	6,565223E+21	4,810249E+21	2,274247E+21	5,150799E+20	4,226393E+18	0,000000E+00	0,000000E+00	4,226653E+18	5,150128E+20
-989	2,274018E+21	4,809892E+21	6,565140E+21	6,565300E+21	4,810295E+21	2,274313E+21	5,151462E+20	4,231815E+18	0,000000E+00	0,000000E+00	4,231425E+18	5,150885E+20
-988	2,274221E+21	4,810095E+21	6,565010E+21	6,564874E+21	4,809763E+21	2,273976E+21	5,150126E+20	4,229946E+18	0,000000E+00	0,000000E+00	4,232170E+18	5,151691E+20
-987	2,274173E+21	4,809769E+21	6,564515E+21	6,564551E+21	4,809790E+21	2,274161E+21	5,151688E+20	4,233334E+18	0,000000E+00	0,000000E+00	4,233502E+18	5,150473E+20
-986	2,273923E+21	4,809576E+21	6,564589E+21	6,564595E+21	4,809674E+21	2,274055E+21	5,151345E+20	4,236799E+18	0,000000E+00	0,000000E+00	4,237561E+18	5,151907E+20
-985	2,274157E+21	4,809707E+21	6,564413E+21	6,564149E+21	4,809229E+21	2,273853E+21	5,150815E+20	4,235597E+18	0,000000E+00	0,000000E+00	4,237729E+18	5,151781E+20

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	2,273951E+21	4,809201E+21	6,563995E+21	6,564156E+21	4,809484E+21	2,274098E+21	5,152351E+20	4,239656E+18	0,000000E+00	0,000000E+00	4,238533E+18	5,150949E+20
-983	2,273865E+21	4,809281E+21	6,564136E+21	6,564147E+21	4,809296E+21	2,273893E+21	5,151197E+20	4,239492E+18	0,000000E+00	0,000000E+00	4,241648E+18	5,152611E+20
-982	2,274113E+21	4,809374E+21	6,563899E+21	6,563794E+21	4,809169E+21	2,273938E+21	5,151591E+20	4,238824E+18	0,000000E+00	0,000000E+00	4,238657E+18	5,151411E+20
-981	2,273845E+21	4,809059E+21	6,563904E+21	6,564085E+21	4,809458E+21	2,274117E+21	5,152476E+20	4,240382E+18	0,000000E+00	0,000000E+00	4,238538E+18	5,151239E+20
-980	2,273987E+21	4,809454E+21	6,564200E+21	6,564082E+21	4,809184E+21	2,273828E+21	5,150849E+20	4,238193E+18	0,000000E+00	0,000000E+00	4,239202E+18	5,152226E+20
-979	2,274059E+21	4,809402E+21	6,564067E+21	6,564091E+21	4,809439E+21	2,274050E+21	5,151783E+20	4,236120E+18	0,000000E+00	0,000000E+00	4,234359E+18	5,150647E+20
-978	2,273841E+21	4,809342E+21	6,564403E+21	6,564547E+21	4,809708E+21	2,274109E+21	5,151640E+20	4,236516E+18	0,000000E+00	0,000000E+00	4,236786E+18	5,151616E+20
-977	2,274183E+21	4,809842E+21	6,564647E+21	6,564480E+21	4,809483E+21	2,273907E+21	5,150331E+20	4,232512E+18	0,000000E+00	0,000000E+00	4,233436E+18	5,151677E+20
-976	2,274133E+21	4,809712E+21	6,564551E+21	6,564697E+21	4,809919E+21	2,274201E+21	5,151578E+20	4,230940E+18	0,000000E+00	0,000000E+00	4,230311E+18	5,150179E+20
-975	2,274008E+21	4,809898E+21	6,564995E+21	6,564990E+21	4,809955E+21	2,274106E+21	5,150734E+20	4,232547E+18	0,000000E+00	0,000000E+00	4,233100E+18	5,151611E+20
-974	2,274282E+21	4,810139E+21	6,565018E+21	6,564842E+21	4,809818E+21	2,274059E+21	5,150510E+20	4,229069E+18	0,000000E+00	0,000000E+00	4,228547E+18	5,150659E+20
-973	2,274029E+21	4,809742E+21	6,564857E+21	6,565076E+21	4,810156E+21	2,274293E+21	5,151834E+20	4,232326E+18	0,000000E+00	0,000000E+00	4,231298E+18	5,150301E+20
-972	2,274053E+21	4,809930E+21	6,564966E+21	6,564939E+21	4,809832E+21	2,274008E+21	5,150366E+20	4,232438E+18	0,000000E+00	0,000000E+00	4,233548E+18	5,151876E+20
-971	2,274199E+21	4,809839E+21	6,564594E+21	6,564546E+21	4,809730E+21	2,274092E+21	5,151127E+20	4,231143E+18	0,000000E+00	0,000000E+00	4,232586E+18	5,150742E+20
-970	2,273934E+21	4,809467E+21	6,564461E+21	6,564601E+21	4,809792E+21	2,274174E+21	5,151858E+20	4,236880E+18	0,000000E+00	0,000000E+00	4,237250E+18	5,151435E+20
-969	2,274127E+21	4,809733E+21	6,564459E+21	6,564219E+21	4,809243E+21	2,273824E+21	5,150536E+20	4,235181E+18	0,000000E+00	0,000000E+00	4,237747E+18	5,152201E+20
-968	2,274070E+21	4,809369E+21	6,563965E+21	6,563975E+21	4,809324E+21	2,274016E+21	5,152066E+20	4,238668E+18	0,000000E+00	0,000000E+00	4,238571E+18	5,150806E+20
-967	2,273763E+21	4,809085E+21	6,563965E+21	6,564012E+21	4,809255E+21	2,273948E+21	5,151894E+20	4,242654E+18	0,000000E+00	0,000000E+00	4,243041E+18	5,152372E+20
-966	2,274019E+21	4,809201E+21	6,563750E+21	6,563588E+21	4,808855E+21	2,273766E+21	5,151394E+20	4,241661E+18	0,000000E+00	0,000000E+00	4,243115E+18	5,152225E+20
-965	2,273830E+21	4,808728E+21	6,563322E+21	6,563542E+21	4,809098E+21	2,274028E+21	5,152965E+20	4,245288E+18	0,000000E+00	0,000000E+00	4,243571E+18	5,151405E+20
-964	2,273756E+21	4,808856E+21	6,563499E+21	6,563469E+21	4,808815E+21	2,273778E+21	5,151717E+20	4,244847E+18	0,000000E+00	0,000000E+00	4,246494E+18	5,152971E+20
-963	2,273990E+21	4,808965E+21	6,563348E+21	6,563210E+21	4,808699E+21	2,273800E+21	5,151949E+20	4,243425E+18	0,000000E+00	0,000000E+00	4,243181E+18	5,151733E+20
-962	2,273718E+21	4,808651E+21	6,563356E+21	6,563558E+21	4,809062E+21	2,273998E+21	5,152826E+20	4,244841E+18	0,000000E+00	0,000000E+00	4,243414E+18	5,151639E+20
-961	2,273870E+21	4,809088E+21	6,563713E+21	6,563584E+21	4,808808E+21	2,273710E+21	5,151119E+20	4,242287E+18	0,000000E+00	0,000000E+00	4,243928E+18	5,152743E+20
-960	2,273988E+21	4,809061E+21	6,563576E+21	6,563616E+21	4,809092E+21	2,273941E+21	5,151967E+20	4,239525E+18	0,000000E+00	0,000000E+00	4,238352E+18	5,151023E+20
-959	2,273756E+21	4,808998E+21	6,563901E+21	6,564052E+21	4,809364E+21	2,274024E+21	5,152015E+20	4,240556E+18	0,000000E+00	0,000000E+00	4,240862E+18	5,152003E+20
-958	2,274111E+21	4,809520E+21	6,564172E+21	6,564040E+21	4,809177E+21	2,273832E+21	5,150772E+20	4,236962E+18	0,000000E+00	0,000000E+00	4,237097E+18	5,151921E+20
-957	2,274033E+21	4,809382E+21	6,564080E+21	6,564225E+21	4,809591E+21	2,274137E+21	5,152114E+20	4,235853E+18	0,000000E+00	0,000000E+00	4,234464E+18	5,150471E+20
-956	2,273878E+21	4,809497E+21	6,564470E+21	6,564452E+21	4,809543E+21	2,273996E+21	5,151212E+20	4,237713E+18	0,000000E+00	0,000000E+00	4,237914E+18	5,151979E+20
-955	2,274143E+21	4,809687E+21	6,564442E+21	6,564298E+21	4,809397E+21	2,273927E+21	5,150836E+20	4,233676E+18	0,000000E+00	0,000000E+00	4,234116E+18	5,151206E+20
-954	2,273922E+21	4,809288E+21	6,564180E+21	6,564436E+21	4,809724E+21	2,274177E+21	5,152218E+20	4,237250E+18	0,000000E+00	0,000000E+00	4,237303E+18	5,150934E+20
-953	2,273968E+21	4,809541E+21	6,564355E+21	6,564281E+21	4,809349E+21	2,273870E+21	5,150719E+20	4,237112E+18	0,000000E+00	0,000000E+00	4,239100E+18	5,152481E+20
-952	2,274134E+21	4,809475E+21	6,564010E+21	6,563911E+21	4,809244E+21	2,273944E+21	5,151454E+20	4,235984E+18	0,000000E+00	0,000000E+00	4,237391E+18	5,151072E+20
-951	2,273798E+21	4,809040E+21	6,563879E+21	6,563980E+21	4,809320E+21	2,274051E+21	5,152412E+20	4,242678E+18	0,000000E+00	0,000000E+00	4,242152E+18	5,151766E+20
-950	2,273973E+21	4,809255E+21	6,563869E+21	6,563694E+21	4,808850E+21	2,273718E+21	5,151141E+20	4,241487E+18	0,000000E+00	0,000000E+00	4,242984E+18	5,152538E+20
-949	2,273910E+21	4,808862E+21	6,563306E+21	6,563384E+21	4,808937E+21	2,273936E+21	5,152698E+20	4,244965E+18	0,000000E+00	0,000000E+00	4,244234E+18	5,151310E+20

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	2,273619E+21	4,808563E+21	6,563258E+21	6,563328E+21	4,808783E+21	2,273835E+21	5,152443E+20	4,248422E+18	0,000000E+00	0,000000E+00	4,248845E+18	5,152914E+20
-947	2,273905E+21	4,808728E+21	6,563086E+21	6,562937E+21	4,808373E+21	2,273628E+21	5,151771E+20	4,246650E+18	0,000000E+00	0,000000E+00	4,248857E+18	5,152768E+20
-946	2,273734E+21	4,808309E+21	6,562663E+21	6,562876E+21	4,808640E+21	2,273908E+21	5,153375E+20	4,250118E+18	0,000000E+00	0,000000E+00	4,248842E+18	5,151869E+20
-945	2,273649E+21	4,808496E+21	6,562982E+21	6,562879E+21	4,808355E+21	2,273643E+21	5,152076E+20	4,249474E+18	0,000000E+00	0,000000E+00	4,251340E+18	5,153395E+20
-944	2,273889E+21	4,808591E+21	6,562850E+21	6,562705E+21	4,808293E+21	2,273663E+21	5,152204E+20	4,247675E+18	0,000000E+00	0,000000E+00	4,247355E+18	5,152040E+20
-943	2,273586E+21	4,808232E+21	6,562811E+21	6,563042E+21	4,808701E+21	2,273900E+21	5,153217E+20	4,249316E+18	0,000000E+00	0,000000E+00	4,247958E+18	5,152093E+20
-942	2,273780E+21	4,808694E+21	6,563174E+21	6,563115E+21	4,808501E+21	2,273634E+21	5,151547E+20	4,246916E+18	0,000000E+00	0,000000E+00	4,248126E+18	5,153141E+20
-941	2,273917E+21	4,808730E+21	6,563064E+21	6,563112E+21	4,808768E+21	2,273875E+21	5,152412E+20	4,243901E+18	0,000000E+00	0,000000E+00	4,242439E+18	5,151414E+20
-940	2,273678E+21	4,808681E+21	6,563412E+21	6,563505E+21	4,808962E+21	2,273920E+21	5,152431E+20	4,245066E+18	0,000000E+00	0,000000E+00	4,244916E+18	5,152281E+20
-939	2,274004E+21	4,809177E+21	6,563727E+21	6,563567E+21	4,808786E+21	2,273712E+21	5,151094E+20	4,241170E+18	0,000000E+00	0,000000E+00	4,241359E+18	5,152207E+20
-938	2,273907E+21	4,808991E+21	6,563562E+21	6,563735E+21	4,809235E+21	2,274034E+21	5,152494E+20	4,240431E+18	0,000000E+00	0,000000E+00	4,239502E+18	5,150893E+20
-937	2,273752E+21	4,809099E+21	6,563945E+21	6,563924E+21	4,809158E+21	2,273884E+21	5,151547E+20	4,242116E+18	0,000000E+00	0,000000E+00	4,243047E+18	5,152505E+20
-936	2,274050E+21	4,809281E+21	6,563866E+21	6,563733E+21	4,808993E+21	2,273807E+21	5,151115E+20	4,237824E+18	0,000000E+00	0,000000E+00	4,238892E+18	5,151650E+20
-935	2,273818E+21	4,808870E+21	6,563563E+21	6,563808E+21	4,809293E+21	2,274070E+21	5,152684E+20	4,242290E+18	0,000000E+00	0,000000E+00	4,242285E+18	5,151402E+20
-934	2,273873E+21	4,809123E+21	6,563746E+21	6,563687E+21	4,808939E+21	2,273771E+21	5,151291E+20	4,242819E+18	0,000000E+00	0,000000E+00	4,243757E+18	5,152790E+20
-933	2,274004E+21	4,809051E+21	6,563424E+21	6,563308E+21	4,808810E+21	2,273845E+21	5,152083E+20	4,242310E+18	0,000000E+00	0,000000E+00	4,242639E+18	5,151458E+20
-932	2,273641E+21	4,808543E+21	6,563239E+21	6,563332E+21	4,808825E+21	2,273908E+21	5,152964E+20	4,249035E+18	0,000000E+00	0,000000E+00	4,247911E+18	5,152222E+20
-931	2,273816E+21	4,808716E+21	6,563181E+21	6,563050E+21	4,808374E+21	2,273578E+21	5,151584E+20	4,247240E+18	0,000000E+00	0,000000E+00	4,249496E+18	5,153152E+20
-930	2,273787E+21	4,808355E+21	6,562575E+21	6,562685E+21	4,808468E+21	2,273816E+21	5,153154E+20	4,250531E+18	0,000000E+00	0,000000E+00	4,250715E+18	5,151994E+20
-929	2,273527E+21	4,808146E+21	6,562615E+21	6,562636E+21	4,808283E+21	2,273697E+21	5,152834E+20	4,253324E+18	0,000000E+00	0,000000E+00	4,254527E+18	5,153474E+20
-928	2,273823E+21	4,808346E+21	6,562503E+21	6,562307E+21	4,807905E+21	2,273489E+21	5,152087E+20	4,251291E+18	0,000000E+00	0,000000E+00	4,253444E+18	5,153068E+20
-927	2,273598E+21	4,807894E+21	6,562106E+21	6,562289E+21	4,808208E+21	2,273793E+21	5,153834E+20	4,255092E+18	0,000000E+00	0,000000E+00	4,253257E+18	5,152190E+20
-926	2,273513E+21	4,808042E+21	6,562427E+21	6,562400E+21	4,808017E+21	2,273550E+21	5,152563E+20	4,254721E+18	0,000000E+00	0,000000E+00	4,255618E+18	5,153681E+20
-925	2,273761E+21	4,808165E+21	6,562295E+21	6,562198E+21	4,807966E+21	2,273592E+21	5,152675E+20	4,252540E+18	0,000000E+00	0,000000E+00	4,251865E+18	5,152493E+20
-924	2,273486E+21	4,807829E+21	6,562254E+21	6,562477E+21	4,808298E+21	2,273793E+21	5,153605E+20	4,253727E+18	0,000000E+00	0,000000E+00	4,252465E+18	5,152541E+20
-923	2,273708E+21	4,808350E+21	6,562672E+21	6,562597E+21	4,808120E+21	2,273527E+21	5,151853E+20	4,250864E+18	0,000000E+00	0,000000E+00	4,252577E+18	5,153555E+20
-922	2,273849E+21	4,808432E+21	6,562589E+21	6,562591E+21	4,808403E+21	2,273780E+21	5,152759E+20	4,247936E+18	0,000000E+00	0,000000E+00	4,246809E+18	5,151779E+20
-921	2,273590E+21	4,808396E+21	6,563014E+21	6,563034E+21	4,808583E+21	2,273807E+21	5,152749E+20	4,249183E+18	0,000000E+00	0,000000E+00	4,249172E+18	5,152603E+20
-920	2,273896E+21	4,808820E+21	6,563279E+21	6,563133E+21	4,808444E+21	2,273593E+21	5,151335E+20	4,245197E+18	0,000000E+00	0,000000E+00	4,245437E+18	5,152488E+20
-919	2,273769E+21	4,808553E+21	6,563000E+21	6,563207E+21	4,808887E+21	2,273946E+21	5,152921E+20	4,245127E+18	0,000000E+00	0,000000E+00	4,244341E+18	5,151373E+20
-918	2,273649E+21	4,808641E+21	6,563337E+21	6,563393E+21	4,808817E+21	2,273807E+21	5,152059E+20	4,247266E+18	0,000000E+00	0,000000E+00	4,247626E+18	5,152905E+20
-917	2,273955E+21	4,808879E+21	6,563263E+21	6,563119E+21	4,808586E+21	2,273722E+21	5,151666E+20	4,243211E+18	0,000000E+00	0,000000E+00	4,243780E+18	5,152086E+20
-916	2,273706E+21	4,808450E+21	6,562955E+21	6,563129E+21	4,808786E+21	2,273933E+21	5,153190E+20	4,248014E+18	0,000000E+00	0,000000E+00	4,247339E+18	5,151765E+20
-915	2,273740E+21	4,808677E+21	6,563167E+21	6,563070E+21	4,808451E+21	2,273625E+21	5,151724E+20	4,248276E+18	0,000000E+00	0,000000E+00	4,249443E+18	5,153224E+20
-914	2,273863E+21	4,808567E+21	6,562778E+21	6,562675E+21	4,808353E+21	2,273710E+21	5,152518E+20	4,248096E+18	0,000000E+00	0,000000E+00	4,249010E+18	5,152043E+20
-913	2,273516E+21	4,808081E+21	6,562601E+21	6,562686E+21	4,808355E+21	2,273769E+21	5,153326E+20	4,254171E+18	0,000000E+00	0,000000E+00	4,254080E+18	5,152862E+20

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	2,273720E+21	4,808262E+21	6,562534E+21	6,562412E+21	4,807916E+21	2,273440E+21	5,151900E+20	4,252032E+18	0,000000E+00	0,000000E+00	4,255073E+18	5,153652E+20
-911	2,273675E+21	4,807902E+21	6,561922E+21	6,562016E+21	4,808013E+21	2,273707E+21	5,153648E+20	4,255785E+18	0,000000E+00	0,000000E+00	4,255944E+18	5,152491E+20
-910	2,273421E+21	4,807698E+21	6,562005E+21	6,562046E+21	4,807873E+21	2,273603E+21	5,153416E+20	4,258925E+18	0,000000E+00	0,000000E+00	4,259017E+18	5,153732E+20
-909	2,273683E+21	4,807916E+21	6,561934E+21	6,561725E+21	4,807491E+21	2,273397E+21	5,152680E+20	4,257106E+18	0,000000E+00	0,000000E+00	4,258249E+18	5,153416E+20
-908	2,273447E+21	4,807415E+21	6,561499E+21	6,561680E+21	4,807753E+21	2,273662E+21	5,154297E+20	4,260553E+18	0,000000E+00	0,000000E+00	4,258145E+18	5,152608E+20
-907	2,273391E+21	4,807581E+21	6,561815E+21	6,561812E+21	4,807601E+21	2,273434E+21	5,152929E+20	4,259538E+18	0,000000E+00	0,000000E+00	4,261002E+18	5,154209E+20
-906	2,273678E+21	4,807771E+21	6,561707E+21	6,561612E+21	4,807567E+21	2,273487E+21	5,153029E+20	4,257041E+18	0,000000E+00	0,000000E+00	4,256922E+18	5,153042E+20
-905	2,273434E+21	4,807542E+21	6,561786E+21	6,561938E+21	4,807887E+21	2,273670E+21	5,153876E+20	4,257554E+18	0,000000E+00	0,000000E+00	4,256839E+18	5,152949E+20
-904	2,273643E+21	4,808065E+21	6,562258E+21	6,562137E+21	4,807760E+21	2,273415E+21	5,152104E+20	4,254631E+18	0,000000E+00	0,000000E+00	4,256082E+18	5,153718E+20
-903	2,273720E+21	4,808082E+21	6,562170E+21	6,562156E+21	4,808078E+21	2,273695E+21	5,153160E+20	4,252164E+18	0,000000E+00	0,000000E+00	4,250720E+18	5,152060E+20
-902	2,273461E+21	4,807965E+21	6,562517E+21	6,562630E+21	4,808312E+21	2,273744E+21	5,153228E+20	4,254009E+18	0,000000E+00	0,000000E+00	4,253110E+18	5,152826E+20
-901	2,273758E+21	4,808385E+21	6,562727E+21	6,562633E+21	4,808134E+21	2,273538E+21	5,151823E+20	4,249971E+18	0,000000E+00	0,000000E+00	4,250025E+18	5,152930E+20
-900	2,273659E+21	4,808114E+21	6,562389E+21	6,562583E+21	4,808446E+21	2,273831E+21	5,153334E+20	4,249937E+18	0,000000E+00	0,000000E+00	4,249308E+18	5,151860E+20
-899	2,273568E+21	4,808234E+21	6,562721E+21	6,562748E+21	4,808363E+21	2,273687E+21	5,152445E+20	4,251989E+18	0,000000E+00	0,000000E+00	4,252815E+18	5,153373E+20
-898	2,273868E+21	4,808499E+21	6,562679E+21	6,562475E+21	4,808117E+21	2,273595E+21	5,152091E+20	4,248382E+18	0,000000E+00	0,000000E+00	4,249296E+18	5,152582E+20
-897	2,273609E+21	4,808085E+21	6,562437E+21	6,562530E+21	4,808289E+21	2,273773E+21	5,153528E+20	4,253143E+18	0,000000E+00	0,000000E+00	4,252904E+18	5,152250E+20
-896	2,273623E+21	4,808240E+21	6,562595E+21	6,562505E+21	4,808014E+21	2,273478E+21	5,152032E+20	4,253228E+18	0,000000E+00	0,000000E+00	4,254920E+18	5,153666E+20
-895	2,273723E+21	4,808075E+21	6,562133E+21	6,562049E+21	4,807925E+21	2,273602E+21	5,152991E+20	4,253606E+18	0,000000E+00	0,000000E+00	4,254998E+18	5,152656E+20
-894	2,273410E+21	4,807580E+21	6,561923E+21	6,562076E+21	4,807951E+21	2,273681E+21	5,153900E+20	4,259906E+18	0,000000E+00	0,000000E+00	4,259253E+18	5,153267E+20
-893	2,273601E+21	4,807815E+21	6,561890E+21	6,561759E+21	4,807483E+21	2,273356E+21	5,152525E+20	4,257960E+18	0,000000E+00	0,000000E+00	4,260359E+18	5,154048E+20
-892	2,273533E+21	4,807425E+21	6,561280E+21	6,561321E+21	4,807495E+21	2,273576E+21	5,154218E+20	4,261842E+18	0,000000E+00	0,000000E+00	4,260929E+18	5,152825E+20
-891	2,273273E+21	4,807206E+21	6,561374E+21	6,561413E+21	4,807401E+21	2,273475E+21	5,153904E+20	4,264516E+18	0,000000E+00	0,000000E+00	4,264424E+18	5,154111E+20
-890	2,273536E+21	4,807426E+21	6,561288E+21	6,561105E+21	4,807054E+21	2,273278E+21	5,153118E+20	4,262565E+18	0,000000E+00	0,000000E+00	4,263964E+18	5,153971E+20
-889	2,273347E+21	4,807010E+21	6,560921E+21	6,561082E+21	4,807305E+21	2,273523E+21	5,154558E+20	4,264844E+18	0,000000E+00	0,000000E+00	4,263414E+18	5,153194E+20
-888	2,273331E+21	4,807229E+21	6,561289E+21	6,561277E+21	4,807204E+21	2,273308E+21	5,153145E+20	4,263350E+18	0,000000E+00	0,000000E+00	4,265528E+18	5,154622E+20
-887	2,273602E+21	4,807441E+21	6,561218E+21	6,561100E+21	4,807209E+21	2,273398E+21	5,153393E+20	4,261115E+18	0,000000E+00	0,000000E+00	4,261013E+18	5,153426E+20
-886	2,273355E+21	4,807212E+21	6,561358E+21	6,561526E+21	4,807585E+21	2,273603E+21	5,154348E+20	4,262084E+18	0,000000E+00	0,000000E+00	4,260236E+18	5,153074E+20
-885	2,273517E+21	4,807716E+21	6,561833E+21	6,561720E+21	4,807458E+21	2,273352E+21	5,152608E+20	4,259496E+18	0,000000E+00	0,000000E+00	4,259986E+18	5,153941E+20
-884	2,273567E+21	4,807632E+21	6,561628E+21	6,561643E+21	4,807703E+21	2,273595E+21	5,153582E+20	4,256847E+18	0,000000E+00	0,000000E+00	4,255149E+18	5,152449E+20
-883	2,273349E+21	4,807515E+21	6,561903E+21	6,562058E+21	4,807934E+21	2,273651E+21	5,153595E+20	4,258445E+18	0,000000E+00	0,000000E+00	4,258291E+18	5,153334E+20
-882	2,273674E+21	4,807980E+21	6,562108E+21	6,562005E+21	4,807709E+21	2,273432E+21	5,152204E+20	4,254456E+18	0,000000E+00	0,000000E+00	4,255272E+18	5,153506E+20
-881	2,273610E+21	4,807806E+21	6,561860E+21	6,561965E+21	4,807962E+21	2,273682E+21	5,153591E+20	4,254153E+18	0,000000E+00	0,000000E+00	4,254288E+18	5,152333E+20
-880	2,273498E+21	4,807913E+21	6,562237E+21	6,562195E+21	4,807910E+21	2,273540E+21	5,152725E+20	4,256404E+18	0,000000E+00	0,000000E+00	4,257228E+18	5,153647E+20
-879	2,273733E+21	4,808091E+21	6,562167E+21	6,561951E+21	4,807708E+21	2,273477E+21	5,152524E+20	4,253520E+18	0,000000E+00	0,000000E+00	4,254406E+18	5,152996E+20
-878	2,273473E+21	4,807602E+21	6,561864E+21	6,562038E+21	4,807935E+21	2,273685E+21	5,154052E+20	4,258808E+18	0,000000E+00	0,000000E+00	4,257858E+18	5,152592E+20
-877	2,273474E+21	4,807753E+21	6,561967E+21	6,561921E+21	4,807631E+21	2,273407E+21	5,152632E+20	4,258947E+18	0,000000E+00	0,000000E+00	4,260475E+18	5,154145E+20

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	2,273582E+21	4,807554E+21	6,561430E+21	6,561357E+21	4,807437E+21	2,273487E+21	5,153559E+20	4,259581E+18	0,000000E+00	0,000000E+00	4,260744E+18	5,153178E+20
-875	2,273301E+21	4,807093E+21	6,561204E+21	6,561353E+21	4,807464E+21	2,273569E+21	5,154443E+20	4,265655E+18	0,000000E+00	0,000000E+00	4,265006E+18	5,153711E+20
-874	2,273468E+21	4,807343E+21	6,561217E+21	6,561051E+21	4,806972E+21	2,273231E+21	5,153088E+20	4,264048E+18	0,000000E+00	0,000000E+00	4,266288E+18	5,154542E+20
-873	2,273411E+21	4,806988E+21	6,560672E+21	6,560667E+21	4,806960E+21	2,273404E+21	5,154578E+20	4,267315E+18	0,000000E+00	0,000000E+00	4,266646E+18	5,153348E+20
-872	2,273156E+21	4,806744E+21	6,560749E+21	6,560809E+21	4,806940E+21	2,273321E+21	5,154190E+20	4,269326E+18	0,000000E+00	0,000000E+00	4,269805E+18	5,154588E+20
-871	2,273420E+21	4,806978E+21	6,560672E+21	6,560510E+21	4,806640E+21	2,273168E+21	5,153504E+20	4,267407E+18	0,000000E+00	0,000000E+00	4,269372E+18	5,154580E+20
-870	2,273280E+21	4,806621E+21	6,560370E+21	6,560566E+21	4,806940E+21	2,273435E+21	5,154990E+20	4,269518E+18	0,000000E+00	0,000000E+00	4,267609E+18	5,153526E+20
-869	2,273245E+21	4,806906E+21	6,560811E+21	6,560775E+21	4,806862E+21	2,273244E+21	5,153659E+20	4,268140E+18	0,000000E+00	0,000000E+00	4,269617E+18	5,154874E+20
-868	2,273477E+21	4,807068E+21	6,560748E+21	6,560601E+21	4,806816E+21	2,273297E+21	5,153837E+20	4,265861E+18	0,000000E+00	0,000000E+00	4,264843E+18	5,153651E+20
-867	2,273228E+21	4,806806E+21	6,560838E+21	6,561040E+21	4,807240E+21	2,273515E+21	5,154752E+20	4,266607E+18	0,000000E+00	0,000000E+00	4,264664E+18	5,153343E+20
-866	2,273373E+21	4,807280E+21	6,561270E+21	6,561208E+21	4,807114E+21	2,273268E+21	5,153000E+20	4,264015E+18	0,000000E+00	0,000000E+00	4,264826E+18	5,154406E+20
-865	2,273480E+21	4,807265E+21	6,561090E+21	6,561093E+21	4,807283E+21	2,273466E+21	5,153803E+20	4,260534E+18	0,000000E+00	0,000000E+00	4,259976E+18	5,153000E+20
-864	2,273297E+21	4,807182E+21	6,561369E+21	6,561512E+21	4,807525E+21	2,273523E+21	5,153810E+20	4,262084E+18	0,000000E+00	0,000000E+00	4,262676E+18	5,153739E+20
-863	2,273598E+21	4,807658E+21	6,561603E+21	6,561460E+21	4,807316E+21	2,273331E+21	5,152580E+20	4,258652E+18	0,000000E+00	0,000000E+00	4,259748E+18	5,153940E+20
-862	2,273529E+21	4,807467E+21	6,561405E+21	6,561500E+21	4,807592E+21	2,273584E+21	5,154050E+20	4,259190E+18	0,000000E+00	0,000000E+00	4,258411E+18	5,152550E+20
-861	2,273364E+21	4,807525E+21	6,561753E+21	6,561722E+21	4,807550E+21	2,273453E+21	5,153272E+20	4,261965E+18	0,000000E+00	0,000000E+00	4,262052E+18	5,153964E+20
-860	2,273566E+21	4,807579E+21	6,561540E+21	6,561373E+21	4,807281E+21	2,273362E+21	5,153037E+20	4,259348E+18	0,000000E+00	0,000000E+00	4,260020E+18	5,153489E+20
-859	2,273345E+21	4,807086E+21	6,561145E+21	6,561366E+21	4,807498E+21	2,273588E+21	5,154582E+20	4,264619E+18	0,000000E+00	0,000000E+00	4,263988E+18	5,153144E+20
-858	2,273350E+21	4,807256E+21	6,561242E+21	6,561202E+21	4,807143E+21	2,273298E+21	5,153206E+20	4,264856E+18	0,000000E+00	0,000000E+00	4,266679E+18	5,154733E+20
-857	2,273488E+21	4,807131E+21	6,560770E+21	6,560637E+21	4,806881E+21	2,273327E+21	5,153975E+20	4,265111E+18	0,000000E+00	0,000000E+00	4,266692E+18	5,153716E+20
-856	2,273196E+21	4,806665E+21	6,560576E+21	6,560690E+21	4,806944E+21	2,273407E+21	5,154810E+20	4,270847E+18	0,000000E+00	0,000000E+00	4,270321E+18	5,154095E+20
-855	2,273317E+21	4,806859E+21	6,560580E+21	6,560426E+21	4,806508E+21	2,273098E+21	5,153537E+20	4,269556E+18	0,000000E+00	0,000000E+00	4,271994E+18	5,155061E+20
-854	2,273284E+21	4,806501E+21	6,560056E+21	6,560116E+21	4,806558E+21	2,273292E+21	5,155011E+20	4,272683E+18	0,000000E+00	0,000000E+00	4,271620E+18	5,153770E+20
-853	2,273041E+21	4,806321E+21	6,560165E+21	6,560242E+21	4,806544E+21	2,273230E+21	5,154681E+20	4,274418E+18	0,000000E+00	0,000000E+00	4,274876E+18	5,155038E+20
-852	2,273308E+21	4,806541E+21	6,560066E+21	6,559913E+21	4,806210E+21	2,273060E+21	5,153972E+20	4,272554E+18	0,000000E+00	0,000000E+00	4,274055E+18	5,154999E+20
-851	2,273196E+21	4,806254E+21	6,559809E+21	6,559992E+21	4,806556E+21	2,273351E+21	5,155446E+20	4,274263E+18	0,000000E+00	0,000000E+00	4,272116E+18	5,153831E+20
-850	2,273124E+21	4,806537E+21	6,560307E+21	6,560244E+21	4,806474E+21	2,273157E+21	5,154170E+20	4,273196E+18	0,000000E+00	0,000000E+00	4,274190E+18	5,155194E+20
-849	2,273362E+21	4,806701E+21	6,560262E+21	6,560110E+21	4,806412E+21	2,273164E+21	5,154121E+20	4,270114E+18	0,000000E+00	0,000000E+00	4,269391E+18	5,154061E+20
-848	2,273126E+21	4,806416E+21	6,560291E+21	6,560538E+21	4,806873E+21	2,273393E+21	5,154968E+20	4,270377E+18	0,000000E+00	0,000000E+00	4,269192E+18	5,153752E+20
-847	2,273268E+21	4,806880E+21	6,560705E+21	6,560677E+21	4,806754E+21	2,273175E+21	5,153327E+20	4,268005E+18	0,000000E+00	0,000000E+00	4,269477E+18	5,154933E+20
-846	2,273417E+21	4,806923E+21	6,560594E+21	6,560611E+21	4,806928E+21	2,273373E+21	5,154176E+20	4,264770E+18	0,000000E+00	0,000000E+00	4,263830E+18	5,153309E+20
-845	2,273216E+21	4,806887E+21	6,560921E+21	6,561017E+21	4,807160E+21	2,273441E+21	5,154303E+20	4,266906E+18	0,000000E+00	0,000000E+00	4,266744E+18	5,153978E+20
-844	2,273462E+21	4,807265E+21	6,561105E+21	6,560945E+21	4,806907E+21	2,273222E+21	5,153082E+20	4,263914E+18	0,000000E+00	0,000000E+00	4,264083E+18	5,154228E+20
-843	2,273394E+21	4,807031E+21	6,560828E+21	6,560962E+21	4,807218E+21	2,273489E+21	5,154520E+20	4,264628E+18	0,000000E+00	0,000000E+00	4,263712E+18	5,152930E+20
-842	2,273209E+21	4,807034E+21	6,561111E+21	6,561129E+21	4,807149E+21	2,273361E+21	5,153791E+20	4,267503E+18	0,000000E+00	0,000000E+00	4,267918E+18	5,154528E+20
-841	2,273462E+21	4,807129E+21	6,560884E+21	6,560726E+21	4,806793E+21	2,273216E+21	5,153380E+20	4,264298E+18	0,000000E+00	0,000000E+00	4,266213E+18	5,154155E+20

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												
-840	2,273268E+21	4,806659E+21	6,560463E+21	6,560688E+21	4,807008E+21	2,273443E+21	5,154929E+20	4,269504E+18	0,000000E+00	0,000000E+00	4,269589E+18	5,153660E+20
-839	2,273238E+21	4,806822E+21	6,560599E+21	6,560532E+21	4,806662E+21	2,273176E+21	5,153694E+20	4,270189E+18	0,000000E+00	0,000000E+00	4,272304E+18	5,155241E+20
-838	2,273373E+21	4,806696E+21	6,560193E+21	6,560044E+21	4,806408E+21	2,273197E+21	5,154501E+20	4,271065E+18	0,000000E+00	0,000000E+00	4,271726E+18	5,154047E+20
-837	2,273046E+21	4,806205E+21	6,559974E+21	6,560096E+21	4,806502E+21	2,273290E+21	5,155364E+20	4,276800E+18	0,000000E+00	0,000000E+00	4,275655E+18	5,154491E+20
-836	2,273150E+21	4,806319E+21	6,559887E+21	6,559776E+21	4,806044E+21	2,272972E+21	5,154045E+20	4,275497E+18	0,000000E+00	0,000000E+00	4,277687E+18	5,155603E+20
-835	2,273177E+21	4,806028E+21	6,559353E+21	6,559437E+21	4,806117E+21	2,273188E+21	5,155477E+20	4,278190E+18	0,000000E+00	0,000000E+00	4,277216E+18	5,154281E+20
-834	2,272937E+21	4,805901E+21	6,559542E+21	6,559606E+21	4,806105E+21	2,273130E+21	5,155211E+20	4,279787E+18	0,000000E+00	0,000000E+00	4,280142E+18	5,155509E+20
-833	2,273227E+21	4,806195E+21	6,559541E+21	6,559339E+21	4,805751E+21	2,272921E+21	5,154328E+20	4,277360E+18	0,000000E+00	0,000000E+00	4,278830E+18	5,155375E+20
-832	2,273092E+21	4,805897E+21	6,559318E+21	6,559491E+21	4,806155E+21	2,273220E+21	5,155746E+20	4,278438E+18	0,000000E+00	0,000000E+00	4,276323E+18	5,154093E+20
-831	2,272976E+21	4,806117E+21	6,559795E+21	6,559775E+21	4,806139E+21	2,273064E+21	5,154537E+20	4,277515E+18	0,000000E+00	0,000000E+00	4,278730E+18	5,155581E+20
-830	2,273242E+21	4,806288E+21	6,559757E+21	6,559667E+21	4,806098E+21	2,273080E+21	5,154465E+20	4,274196E+18	0,000000E+00	0,000000E+00	4,273342E+18	5,154417E+20
-829	2,273035E+21	4,806066E+21	6,559784E+21	6,560044E+21	4,806543E+21	2,273317E+21	5,155363E+20	4,274444E+18	0,000000E+00	0,000000E+00	4,273433E+18	5,154141E+20
-828	2,273173E+21	4,806498E+21	6,560151E+21	6,560130E+21	4,806373E+21	2,273079E+21	5,153742E+20	4,272465E+18	0,000000E+00	0,000000E+00	4,273584E+18	5,155330E+20
-827	2,273348E+21	4,806603E+21	6,560074E+21	6,560057E+21	4,806554E+21	2,273284E+21	5,154596E+20	4,269493E+18	0,000000E+00	0,000000E+00	4,268250E+18	5,153629E+20
-826	2,273101E+21	4,806529E+21	6,560440E+21	6,560499E+21	4,806761E+21	2,273337E+21	5,154804E+20	4,272219E+18	0,000000E+00	0,000000E+00	4,271630E+18	5,154366E+20
-825	2,273349E+21	4,806868E+21	6,560578E+21	6,560424E+21	4,806481E+21	2,273077E+21	5,153398E+20	4,268700E+18	0,000000E+00	0,000000E+00	4,269459E+18	5,154746E+20
-824	2,273292E+21	4,806608E+21	6,560222E+21	6,560386E+21	4,806799E+21	2,273353E+21	5,154805E+20	4,269192E+18	0,000000E+00	0,000000E+00	4,269335E+18	5,153493E+20
-823	2,273100E+21	4,806582E+21	6,560459E+21	6,560493E+21	4,806719E+21	2,273254E+21	5,154221E+20	4,272373E+18	0,000000E+00	0,000000E+00	4,273586E+18	5,155109E+20
-822	2,273371E+21	4,806712E+21	6,560284E+21	6,560122E+21	4,806356E+21	2,273105E+21	5,153860E+20	4,269605E+18	0,000000E+00	0,000000E+00	4,271262E+18	5,154552E+20
-821	2,273158E+21	4,806274E+21	6,559888E+21	6,560059E+21	4,806549E+21	2,273332E+21	5,155493E+20	4,275331E+18	0,000000E+00	0,000000E+00	4,274612E+18	5,153971E+20
-820	2,273064E+21	4,806302E+21	6,559940E+21	6,559882E+21	4,806174E+21	2,273045E+21	5,154280E+20	4,276444E+18	0,000000E+00	0,000000E+00	4,277557E+18	5,155602E+20
-819	2,273215E+21	4,806170E+21	6,559488E+21	6,559381E+21	4,805961E+21	2,273081E+21	5,155027E+20	4,277357E+18	0,000000E+00	0,000000E+00	4,277566E+18	5,154496E+20
-818	2,272886E+21	4,805679E+21	6,559278E+21	6,559420E+21	4,806030E+21	2,273174E+21	5,155916E+20	4,282796E+18	0,000000E+00	0,000000E+00	4,281624E+18	5,155079E+20
-817	2,273049E+21	4,805862E+21	6,559221E+21	6,559106E+21	4,805542E+21	2,272823E+21	5,154425E+20	4,280727E+18	0,000000E+00	0,000000E+00	4,283666E+18	5,156217E+20
-816	2,273105E+21	4,805641E+21	6,558742E+21	6,558806E+21	4,805658E+21	2,273049E+21	5,155797E+20	4,282798E+18	0,000000E+00	0,000000E+00	4,282373E+18	5,154749E+20
-815	2,272834E+21	4,805520E+21	6,558998E+21	6,559034E+21	4,805693E+21	2,273025E+21	5,155648E+20	4,284542E+18	0,000000E+00	0,000000E+00	4,285030E+18	5,155897E+20
-814	2,273110E+21	4,805813E+21	6,559079E+21	6,558884E+21	4,805389E+21	2,272818E+21	5,154755E+20	4,282311E+18	0,000000E+00	0,000000E+00	4,283014E+18	5,155634E+20
-813	2,272957E+21	4,805501E+21	6,558818E+21	6,559018E+21	4,805822E+21	2,273131E+21	5,156167E+20	4,283048E+18	0,000000E+00	0,000000E+00	4,280695E+18	5,154423E+20
-812	2,272828E+21	4,805629E+21	6,559180E+21	6,559224E+21	4,805775E+21	2,272974E+21	5,154960E+20	4,282250E+18	0,000000E+00	0,000000E+00	4,283259E+18	5,156027E+20
-811	2,273158E+21	4,805890E+21	6,559146E+21	6,559073E+21	4,805732E+21	2,272998E+21	5,154859E+20	4,278687E+18	0,000000E+00	0,000000E+00	4,277867E+18	5,154853E+20
-810	2,272955E+21	4,805727E+21	6,559262E+21	6,559471E+21	4,806141E+21	2,273221E+21	5,155814E+20	4,279070E+18	0,000000E+00	0,000000E+00	4,277975E+18	5,154573E+20
-809	2,273114E+21	4,806205E+21	6,559694E+21	6,559598E+21	4,805943E+21	2,272943E+21	5,154052E+20	4,276791E+18	0,000000E+00	0,000000E+00	4,278019E+18	5,155713E+20
-808	2,273263E+21	4,806281E+21	6,559620E+21	6,559575E+21	4,806163E+21	2,273146E+21	5,154844E+20	4,273600E+18	0,000000E+00	0,000000E+00	4,272746E+18	5,153971E+20
-807	2,272974E+21	4,806127E+21	6,559935E+21	6,560025E+21	4,806420E+21	2,273237E+21	5,155146E+20	4,276637E+18	0,000000E+00	0,000000E+00	4,276575E+18	5,154808E+20
-806	2,273234E+21	4,806454E+21	6,560065E+21	6,559943E+21	4,806133E+21	2,272981E+21	5,153775E+20	4,273275E+18	0,000000E+00	0,000000E+00	4,274130E+18	5,155150E+20
-805	2,273186E+21	4,806208E+21	6,559656E+21	6,559819E+21	4,806413E+21	2,273264E+21	5,155286E+20	4,274182E+18	0,000000E+00	0,000000E+00	4,274313E+18	5,153911E+20

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	2,272969E+21	4,806103E+21	6,559800E+21	6,559849E+21	4,806284E+21	2,273154E+21	5,154780E+20	4,277916E+18	0,000000E+00	0,000000E+00	4,278510E+18	5,155499E+20
-803	2,273253E+21	4,806274E+21	6,559627E+21	6,559435E+21	4,805902E+21	2,273004E+21	5,154452E+20	4,275761E+18	0,000000E+00	0,000000E+00	4,276663E+18	5,154916E+20
-802	2,273001E+21	4,805789E+21	6,559255E+21	6,559396E+21	4,806053E+21	2,273204E+21	5,156107E+20	4,281866E+18	0,000000E+00	0,000000E+00	4,280402E+18	5,154453E+20
-801	2,272928E+21	4,805790E+21	6,559254E+21	6,559206E+21	4,805656E+21	2,272877E+21	5,154685E+20	4,282263E+18	0,000000E+00	0,000000E+00	4,283884E+18	5,156212E+20
-800	2,273103E+21	4,805678E+21	6,558785E+21	6,558689E+21	4,805455E+21	2,272919E+21	5,155343E+20	4,282633E+18	0,000000E+00	0,000000E+00	4,283834E+18	5,155140E+20
-799	2,272784E+21	4,805219E+21	6,558612E+21	6,558752E+21	4,805558E+21	2,273044E+21	5,156313E+20	4,287841E+18	0,000000E+00	0,000000E+00	4,287502E+18	5,155679E+20
-798	2,272963E+21	4,805473E+21	6,558671E+21	6,558526E+21	4,805113E+21	2,272708E+21	5,154877E+20	4,285963E+18	0,000000E+00	0,000000E+00	4,288662E+18	5,156592E+20
-797	2,272997E+21	4,805284E+21	6,558249E+21	6,558264E+21	4,805259E+21	2,272951E+21	5,156293E+20	4,287965E+18	0,000000E+00	0,000000E+00	4,286886E+18	5,155021E+20
-796	2,272670E+21	4,805035E+21	6,558420E+21	6,558497E+21	4,805308E+21	2,272928E+21	5,156165E+20	4,289854E+18	0,000000E+00	0,000000E+00	4,289510E+18	5,156178E+20
-795	2,272967E+21	4,805344E+21	6,558455E+21	6,558324E+21	4,805047E+21	2,272741E+21	5,155206E+20	4,287459E+18	0,000000E+00	0,000000E+00	4,287795E+18	5,156008E+20
-794	2,272825E+21	4,805056E+21	6,558226E+21	6,558436E+21	4,805431E+21	2,273040E+21	5,156609E+20	4,287703E+18	0,000000E+00	0,000000E+00	4,285517E+18	5,154950E+20
-793	2,272764E+21	4,805246E+21	6,558602E+21	6,558633E+21	4,805347E+21	2,272845E+21	5,155237E+20	4,286339E+18	0,000000E+00	0,000000E+00	4,287984E+18	5,156536E+20
-792	2,273115E+21	4,805597E+21	6,558655E+21	6,558527E+21	4,805322E+21	2,272869E+21	5,155082E+20	4,282314E+18	0,000000E+00	0,000000E+00	4,282131E+18	5,155271E+20
-791	2,272886E+21	4,805443E+21	6,558843E+21	6,558982E+21	4,805759E+21	2,273112E+21	5,156144E+20	4,283158E+18	0,000000E+00	0,000000E+00	4,282252E+18	5,154908E+20
-790	2,273013E+21	4,805883E+21	6,559322E+21	6,559205E+21	4,805616E+21	2,272843E+21	5,154431E+20	4,281338E+18	0,000000E+00	0,000000E+00	4,281940E+18	5,155960E+20
-789	2,273142E+21	4,805918E+21	6,559175E+21	6,559141E+21	4,805848E+21	2,273058E+21	5,155224E+20	4,278152E+18	0,000000E+00	0,000000E+00	4,277296E+18	5,154319E+20
-788	2,272829E+21	4,805631E+21	6,559306E+21	6,559462E+21	4,806056E+21	2,273155E+21	5,155626E+20	4,281716E+18	0,000000E+00	0,000000E+00	4,281350E+18	5,155213E+20
-787	2,273125E+21	4,806006E+21	6,559401E+21	6,559308E+21	4,805748E+21	2,272904E+21	5,154296E+20	4,278700E+18	0,000000E+00	0,000000E+00	4,279231E+18	5,155550E+20
-786	2,273065E+21	4,805776E+21	6,559044E+21	6,559153E+21	4,805946E+21	2,273161E+21	5,155888E+20	4,280156E+18	0,000000E+00	0,000000E+00	4,279707E+18	5,154369E+20
-785	2,272859E+21	4,805654E+21	6,559171E+21	6,559173E+21	4,805765E+21	2,273003E+21	5,155243E+20	4,283606E+18	0,000000E+00	0,000000E+00	4,284059E+18	5,155937E+20
-784	2,273123E+21	4,805806E+21	6,558992E+21	6,558786E+21	4,805397E+21	2,272840E+21	5,154816E+20	4,281189E+18	0,000000E+00	0,000000E+00	4,282663E+18	5,155439E+20
-783	2,272860E+21	4,805284E+21	6,558589E+21	6,558743E+21	4,805578E+21	2,273060E+21	5,156467E+20	4,287179E+18	0,000000E+00	0,000000E+00	4,286616E+18	5,155072E+20
-782	2,272816E+21	4,805322E+21	6,558637E+21	6,558588E+21	4,805202E+21	2,272747E+21	5,155083E+20	4,287450E+18	0,000000E+00	0,000000E+00	4,289669E+18	5,156774E+20
-781	2,273013E+21	4,805267E+21	6,558186E+21	6,558069E+21	4,805012E+21	2,272802E+21	5,155775E+20	4,287890E+18	0,000000E+00	0,000000E+00	4,289346E+18	5,155629E+20
-780	2,272666E+21	4,804756E+21	6,557967E+21	6,558111E+21	4,805121E+21	2,272943E+21	5,156856E+20	4,293372E+18	0,000000E+00	0,000000E+00	4,292443E+18	5,156043E+20
-779	2,272845E+21	4,805053E+21	6,558066E+21	6,557910E+21	4,804708E+21	2,272626E+21	5,155478E+20	4,292003E+18	0,000000E+00	0,000000E+00	4,293716E+18	5,156879E+20
-778	2,272834E+21	4,804817E+21	6,557683E+21	6,557693E+21	4,804840E+21	2,272852E+21	5,156878E+20	4,293818E+18	0,000000E+00	0,000000E+00	4,291947E+18	5,155460E+20
-777	2,272546E+21	4,804546E+21	6,557781E+21	6,557896E+21	4,804875E+21	2,272798E+21	5,156525E+20	4,294761E+18	0,000000E+00	0,000000E+00	4,294840E+18	5,156687E+20
-776	2,272873E+21	4,804914E+21	6,557826E+21	6,557701E+21	4,804608E+21	2,272610E+21	5,155467E+20	4,291591E+18	0,000000E+00	0,000000E+00	4,292868E+18	5,156558E+20
-775	2,272756E+21	4,804696E+21	6,557677E+21	6,557857E+21	4,805014E+21	2,272922E+21	5,156883E+20	4,291520E+18	0,000000E+00	0,000000E+00	4,290117E+18	5,155427E+20
-774	2,272710E+21	4,804976E+21	6,558198E+21	6,558155E+21	4,804971E+21	2,272738E+21	5,155575E+20	4,290530E+18	0,000000E+00	0,000000E+00	4,291790E+18	5,156798E+20
-773	2,273031E+21	4,805324E+21	6,558295E+21	6,558110E+21	4,804983E+21	2,272773E+21	5,155451E+20	4,286597E+18	0,000000E+00	0,000000E+00	4,285730E+18	5,155443E+20
-772	2,272740E+21	4,805028E+21	6,558370E+21	6,558557E+21	4,805449E+21	2,273031E+21	5,156578E+20	4,287857E+18	0,000000E+00	0,000000E+00	4,286185E+18	5,155133E+20
-771	2,272880E+21	4,805458E+21	6,558763E+21	6,558715E+21	4,805328E+21	2,272788E+21	5,154907E+20	4,286351E+18	0,000000E+00	0,000000E+00	4,286412E+18	5,156264E+20
-770	2,273003E+21	4,805471E+21	6,558606E+21	6,558588E+21	4,805478E+21	2,272981E+21	5,155728E+20	4,283110E+18	0,000000E+00	0,000000E+00	4,282392E+18	5,154853E+20
-769	2,272750E+21	4,805193E+21	6,558663E+21	6,558830E+21	4,805611E+21	2,273032E+21	5,156001E+20	4,286469E+18	0,000000E+00	0,000000E+00	4,286648E+18	5,155716E+20

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	2,273043E+21	4,805615E+21	6,558793E+21	6,558653E+21	4,805266E+21	2,272766E+21	5,154641E+20	4,283321E+18	0,000000E+00	0,000000E+00	4,284676E+18	5,156054E+20
-767	2,272964E+21	4,805375E+21	6,558479E+21	6,558524E+21	4,805452E+21	2,273017E+21	5,156280E+20	4,285354E+18	0,000000E+00	0,000000E+00	4,285392E+18	5,154860E+20
-766	2,272740E+21	4,805230E+21	6,558628E+21	6,558601E+21	4,805305E+21	2,272860E+21	5,155652E+20	4,289048E+18	0,000000E+00	0,000000E+00	4,289527E+18	5,156393E+20
-765	2,272999E+21	4,805352E+21	6,558388E+21	6,558186E+21	4,804955E+21	2,272709E+21	5,155221E+20	4,286671E+18	0,000000E+00	0,000000E+00	4,288509E+18	5,155965E+20
-764	2,272726E+21	4,804753E+21	6,557872E+21	6,558065E+21	4,805118E+21	2,272945E+21	5,156954E+20	4,292861E+18	0,000000E+00	0,000000E+00	4,292258E+18	5,155598E+20
-763	2,272715E+21	4,804864E+21	6,557936E+21	6,557901E+21	4,804768E+21	2,272658E+21	5,155684E+20	4,293525E+18	0,000000E+00	0,000000E+00	4,295293E+18	5,157189E+20
-762	2,272884E+21	4,804826E+21	6,557586E+21	6,557421E+21	4,804543E+21	2,272701E+21	5,156425E+20	4,294255E+18	0,000000E+00	0,000000E+00	4,294870E+18	5,156086E+20
-761	2,272546E+21	4,804283E+21	6,557334E+21	6,557474E+21	4,804639E+21	2,272809E+21	5,157359E+20	4,299134E+18	0,000000E+00	0,000000E+00	4,297745E+18	5,156399E+20
-760	2,272697E+21	4,804574E+21	6,557448E+21	6,557309E+21	4,804257E+21	2,272492E+21	5,155872E+20	4,297182E+18	0,000000E+00	0,000000E+00	4,299259E+18	5,157331E+20
-759	2,272696E+21	4,804337E+21	6,557060E+21	6,557089E+21	4,804401E+21	2,272729E+21	5,157219E+20	4,298454E+18	0,000000E+00	0,000000E+00	4,297218E+18	5,155982E+20
-758	2,272446E+21	4,804135E+21	6,557218E+21	6,557331E+21	4,804464E+21	2,272685E+21	5,156864E+20	4,299088E+18	0,000000E+00	0,000000E+00	4,299505E+18	5,157128E+20
-757	2,272802E+21	4,804580E+21	6,557324E+21	6,557179E+21	4,804230E+21	2,272506E+21	5,155785E+20	4,295697E+18	0,000000E+00	0,000000E+00	4,297046E+18	5,156923E+20
-756	2,272666E+21	4,804340E+21	6,557165E+21	6,557335E+21	4,804645E+21	2,272830E+21	5,157287E+20	4,295914E+18	0,000000E+00	0,000000E+00	4,293905E+18	5,155690E+20
-755	2,272617E+21	4,804652E+21	6,557730E+21	6,557689E+21	4,804653E+21	2,272671E+21	5,156096E+20	4,295702E+18	0,000000E+00	0,000000E+00	4,295815E+18	5,156990E+20
-754	2,272887E+21	4,804934E+21	6,557850E+21	6,557680E+21	4,804651E+21	2,272690E+21	5,155944E+20	4,291678E+18	0,000000E+00	0,000000E+00	4,290249E+18	5,155848E+20
-753	2,272631E+21	4,804584E+21	6,557787E+21	6,558028E+21	4,805072E+21	2,272921E+21	5,156908E+20	4,292392E+18	0,000000E+00	0,000000E+00	4,291229E+18	5,155600E+20
-752	2,272784E+21	4,805045E+21	6,558162E+21	6,558125E+21	4,804910E+21	2,272673E+21	5,155193E+20	4,290398E+18	0,000000E+00	0,000000E+00	4,291649E+18	5,156802E+20
-751	2,272924E+21	4,805093E+21	6,558030E+21	6,557981E+21	4,805030E+21	2,272859E+21	5,156045E+20	4,287274E+18	0,000000E+00	0,000000E+00	4,287654E+18	5,155379E+20
-750	2,272680E+21	4,804864E+21	6,558160E+21	6,558260E+21	4,805171E+21	2,272911E+21	5,156391E+20	4,291220E+18	0,000000E+00	0,000000E+00	4,291405E+18	5,156082E+20
-749	2,272937E+21	4,805250E+21	6,558297E+21	6,558118E+21	4,804839E+21	2,272641E+21	5,155048E+20	4,288334E+18	0,000000E+00	0,000000E+00	4,289538E+18	5,156388E+20
-748	2,272810E+21	4,804881E+21	6,557857E+21	6,557949E+21	4,805030E+21	2,272898E+21	5,156734E+20	4,290935E+18	0,000000E+00	0,000000E+00	4,290609E+18	5,155263E+20
-747	2,272606E+21	4,804744E+21	6,557950E+21	6,557977E+21	4,804900E+21	2,272769E+21	5,156213E+20	4,295034E+18	0,000000E+00	0,000000E+00	4,295065E+18	5,156821E+20
-746	2,272854E+21	4,804854E+21	6,557736E+21	6,557546E+21	4,804498E+21	2,272606E+21	5,155815E+20	4,292791E+18	0,000000E+00	0,000000E+00	4,294514E+18	5,156572E+20
-745	2,272633E+21	4,804278E+21	6,557170E+21	6,557368E+21	4,804621E+21	2,272813E+21	5,157432E+20	4,298582E+18	0,000000E+00	0,000000E+00	4,298068E+18	5,156109E+20
-744	2,272608E+21	4,804435E+21	6,557294E+21	6,557207E+21	4,804258E+21	2,272529E+21	5,156179E+20	4,299068E+18	0,000000E+00	0,000000E+00	4,301161E+18	5,157650E+20
-743	2,272749E+21	4,804370E+21	6,556985E+21	6,556798E+21	4,804053E+21	2,272567E+21	5,156906E+20	4,299961E+18	0,000000E+00	0,000000E+00	4,300654E+18	5,156558E+20
-742	2,272411E+21	4,803828E+21	6,556749E+21	6,556903E+21	4,804198E+21	2,272675E+21	5,157770E+20	4,304440E+18	0,000000E+00	0,000000E+00	4,303122E+18	5,156844E+20
-741	2,272564E+21	4,804103E+21	6,556823E+21	6,556718E+21	4,803835E+21	2,272371E+21	5,156231E+20	4,302125E+18	0,000000E+00	0,000000E+00	4,304482E+18	5,157798E+20
-740	2,272573E+21	4,803852E+21	6,556389E+21	6,556461E+21	4,803975E+21	2,272619E+21	5,157606E+20	4,303166E+18	0,000000E+00	0,000000E+00	4,301856E+18	5,156434E+20
-739	2,272372E+21	4,803771E+21	6,556622E+21	6,556736E+21	4,804077E+21	2,272602E+21	5,157376E+20	4,304199E+18	0,000000E+00	0,000000E+00	4,303888E+18	5,157423E+20
-738	2,272694E+21	4,804241E+21	6,556860E+21	6,556672E+21	4,803847E+21	2,272419E+21	5,156317E+20	4,300882E+18	0,000000E+00	0,000000E+00	4,301310E+18	5,157284E+20
-737	2,272571E+21	4,803975E+21	6,556675E+21	6,556847E+21	4,804260E+21	2,272712E+21	5,157640E+20	4,300489E+18	0,000000E+00	0,000000E+00	4,298288E+18	5,156002E+20
-736	2,272500E+21	4,804272E+21	6,557231E+21	6,557208E+21	4,804289E+21	2,272564E+21	5,156392E+20	4,299810E+18	0,000000E+00	0,000000E+00	4,300695E+18	5,157412E+20
-735	2,272774E+21	4,804535E+21	6,557327E+21	6,557190E+21	4,804285E+21	2,272584E+21	5,156198E+20	4,295386E+18	0,000000E+00	0,000000E+00	4,295178E+18	5,156369E+20
-734	2,272558E+21	4,804240E+21	6,557277E+21	6,557516E+21	4,804697E+21	2,272814E+21	5,157188E+20	4,296224E+18	0,000000E+00	0,000000E+00	4,295864E+18	5,156049E+20
-733	2,272709E+21	4,804715E+21	6,557658E+21	6,557604E+21	4,804530E+21	2,272570E+21	5,155519E+20	4,294465E+18	0,000000E+00	0,000000E+00	4,295923E+18	5,157141E+20

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	2,272817E+21	4,804709E+21	6,557478E+21	6,557415E+21	4,804619E+21	2,272758E+21	5,156509E+20	4,292177E+18	0,000000E+00	0,000000E+00	4,292008E+18	5,155692E+20
-731	2,272566E+21	4,804476E+21	6,557600E+21	6,557707E+21	4,804780E+21	2,272822E+21	5,157005E+20	4,297261E+18	0,000000E+00	0,000000E+00	4,296147E+18	5,156347E+20
-730	2,272772E+21	4,804779E+21	6,557718E+21	6,557567E+21	4,804429E+21	2,272539E+21	5,155644E+20	4,294460E+18	0,000000E+00	0,000000E+00	4,295178E+18	5,156929E+20
-729	2,272688E+21	4,804362E+21	6,557134E+21	6,557276E+21	4,804553E+21	2,272760E+21	5,157158E+20	4,296722E+18	0,000000E+00	0,000000E+00	4,296664E+18	5,155834E+20
-728	2,272497E+21	4,804269E+21	6,557248E+21	6,557270E+21	4,804389E+21	2,272633E+21	5,156644E+20	4,300355E+18	0,000000E+00	0,000000E+00	4,301318E+18	5,157425E+20
-727	2,272752E+21	4,804411E+21	6,557085E+21	6,556867E+21	4,803980E+21	2,272463E+21	5,156264E+20	4,298374E+18	0,000000E+00	0,000000E+00	4,300732E+18	5,157116E+20
-726	2,272526E+21	4,803874E+21	6,556586E+21	6,556730E+21	4,804129E+21	2,272679E+21	5,157924E+20	4,304334E+18	0,000000E+00	0,000000E+00	4,303565E+18	5,156509E+20
-725	2,272461E+21	4,803980E+21	6,556714E+21	6,556631E+21	4,803811E+21	2,272401E+21	5,156650E+20	4,304675E+18	0,000000E+00	0,000000E+00	4,306507E+18	5,157990E+20
-724	2,272573E+21	4,803820E+21	6,556289E+21	6,556177E+21	4,803624E+21	2,272454E+21	5,157389E+20	4,305617E+18	0,000000E+00	0,000000E+00	4,305974E+18	5,157003E+20
-723	2,272279E+21	4,803330E+21	6,556033E+21	6,556260E+21	4,803794E+21	2,272586E+21	5,158313E+20	4,310025E+18	0,000000E+00	0,000000E+00	4,308283E+18	5,157271E+20
-722	2,272435E+21	4,803642E+21	6,556190E+21	6,556106E+21	4,803408E+21	2,272271E+21	5,156747E+20	4,307498E+18	0,000000E+00	0,000000E+00	4,309724E+18	5,158367E+20
-721	2,272504E+21	4,803452E+21	6,555764E+21	6,555827E+21	4,803519E+21	2,272487E+21	5,157945E+20	4,307839E+18	0,000000E+00	0,000000E+00	4,306602E+18	5,156873E+20
-720	2,272296E+21	4,803455E+21	6,556131E+21	6,556168E+21	4,803632E+21	2,272479E+21	5,157742E+20	4,308620E+18	0,000000E+00	0,000000E+00	4,308716E+18	5,157816E+20
-719	2,272592E+21	4,803901E+21	6,556422E+21	6,556213E+21	4,803458E+21	2,272299E+21	5,156655E+20	4,305327E+18	0,000000E+00	0,000000E+00	4,305978E+18	5,157677E+20
-718	2,272470E+21	4,803642E+21	6,556236E+21	6,556417E+21	4,803925E+21	2,272604E+21	5,157923E+20	4,304556E+18	0,000000E+00	0,000000E+00	4,302808E+18	5,156409E+20
-717	2,272398E+21	4,803902E+21	6,556732E+21	6,556744E+21	4,803964E+21	2,272472E+21	5,156676E+20	4,303684E+18	0,000000E+00	0,000000E+00	4,304985E+18	5,157770E+20
-716	2,272666E+21	4,804124E+21	6,556750E+21	6,556657E+21	4,803933E+21	2,272499E+21	5,156568E+20	4,299454E+18	0,000000E+00	0,000000E+00	4,299262E+18	5,156748E+20
-715	2,272483E+21	4,803902E+21	6,556717E+21	6,556967E+21	4,804344E+21	2,272743E+21	5,157731E+20	4,301327E+18	0,000000E+00	0,000000E+00	4,300006E+18	5,156291E+20
-714	2,272577E+21	4,804333E+21	6,557161E+21	6,557090E+21	4,804147E+21	2,272485E+21	5,156115E+20	4,300002E+18	0,000000E+00	0,000000E+00	4,300405E+18	5,157495E+20
-713	2,272693E+21	4,804271E+21	6,556898E+21	6,556852E+21	4,804187E+21	2,272627E+21	5,156933E+20	4,297630E+18	0,000000E+00	0,000000E+00	4,297090E+18	5,156081E+20
-712	2,272432E+21	4,804030E+21	6,556993E+21	6,557094E+21	4,804318E+21	2,272690E+21	5,157408E+20	4,302480E+18	0,000000E+00	0,000000E+00	4,301964E+18	5,156875E+20
-711	2,272643E+21	4,804302E+21	6,557074E+21	6,556941E+21	4,803965E+21	2,272405E+21	5,156023E+20	4,299481E+18	0,000000E+00	0,000000E+00	4,301295E+18	5,157556E+20
-710	2,272602E+21	4,803959E+21	6,556521E+21	6,556643E+21	4,804082E+21	2,272620E+21	5,157507E+20	4,301767E+18	0,000000E+00	0,000000E+00	4,302562E+18	5,156425E+20
-709	2,272406E+21	4,803865E+21	6,556636E+21	6,556638E+21	4,803927E+21	2,272505E+21	5,157057E+20	4,305466E+18	0,000000E+00	0,000000E+00	4,306688E+18	5,157832E+20
-708	2,272616E+21	4,803945E+21	6,556444E+21	6,556228E+21	4,803519E+21	2,272348E+21	5,156811E+20	4,304260E+18	0,000000E+00	0,000000E+00	4,306183E+18	5,157518E+20
-707	2,272387E+21	4,803405E+21	6,555934E+21	6,556115E+21	4,803701E+21	2,272579E+21	5,158585E+20	4,310940E+18	0,000000E+00	0,000000E+00	4,308933E+18	5,156852E+20
-706	2,272275E+21	4,803431E+21	6,556044E+21	6,556019E+21	4,803379E+21	2,272297E+21	5,157265E+20	4,311010E+18	0,000000E+00	0,000000E+00	4,312419E+18	5,158552E+20
-705	2,272444E+21	4,803276E+21	6,555520E+21	6,555453E+21	4,803126E+21	2,272314E+21	5,157802E+20	4,311222E+18	0,000000E+00	0,000000E+00	4,311803E+18	5,157589E+20
-704	2,272187E+21	4,802896E+21	6,555353E+21	6,555534E+21	4,803270E+21	2,272445E+21	5,158692E+20	4,314819E+18	0,000000E+00	0,000000E+00	4,313950E+18	5,157841E+20
-703	2,272355E+21	4,803269E+21	6,555623E+21	6,555485E+21	4,802935E+21	2,272136E+21	5,157122E+20	4,312325E+18	0,000000E+00	0,000000E+00	4,314930E+18	5,158837E+20
-702	2,272429E+21	4,803161E+21	6,555326E+21	6,555317E+21	4,803103E+21	2,272357E+21	5,158270E+20	4,312371E+18	0,000000E+00	0,000000E+00	4,311079E+18	5,157217E+20
-701	2,272186E+21	4,803115E+21	6,555709E+21	6,555747E+21	4,803292E+21	2,272370E+21	5,158066E+20	4,312950E+18	0,000000E+00	0,000000E+00	4,312838E+18	5,158048E+20
-700	2,272447E+21	4,803467E+21	6,555898E+21	6,555767E+21	4,803157E+21	2,272220E+21	5,157035E+20	4,309731E+18	0,000000E+00	0,000000E+00	4,310033E+18	5,157999E+20
-699	2,272357E+21	4,803243E+21	6,555681E+21	6,555934E+21	4,803633E+21	2,272548E+21	5,158420E+20	4,309204E+18	0,000000E+00	0,000000E+00	4,306860E+18	5,156710E+20
-698	2,272273E+21	4,803493E+21	6,556200E+21	6,556248E+21	4,803638E+21	2,272408E+21	5,157188E+20	4,308436E+18	0,000000E+00	0,000000E+00	4,309317E+18	5,158184E+20
-697	2,272579E+21	4,803734E+21	6,556153E+21	6,556054E+21	4,803523E+21	2,272392E+21	5,156966E+20	4,304087E+18	0,000000E+00	0,000000E+00	4,303639E+18	5,157117E+20

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	2,272389E+21	4,803559E+21	6,556196E+21	6,556366E+21	4,803888E+21	2,272622E+21	5,158152E+20	4,306157E+18	0,000000E+00	0,000000E+00	4,305088E+18	5,156711E+20
-695	2,272460E+21	4,803931E+21	6,556640E+21	6,556552E+21	4,803712E+21	2,272347E+21	5,156493E+20	4,305002E+18	0,000000E+00	0,000000E+00	4,305820E+18	5,157993E+20
-694	2,272588E+21	4,803875E+21	6,556343E+21	6,556289E+21	4,803757E+21	2,272482E+21	5,157215E+20	4,302505E+18	0,000000E+00	0,000000E+00	4,302803E+18	5,156659E+20
-693	2,272333E+21	4,803607E+21	6,556396E+21	6,556503E+21	4,803889E+21	2,272557E+21	5,157698E+20	4,307118E+18	0,000000E+00	0,000000E+00	4,307342E+18	5,157369E+20
-692	2,272535E+21	4,803850E+21	6,556418E+21	6,556301E+21	4,803526E+21	2,272292E+21	5,156468E+20	4,304594E+18	0,000000E+00	0,000000E+00	4,306615E+18	5,158028E+20
-691	2,272506E+21	4,803555E+21	6,555898E+21	6,556014E+21	4,803658E+21	2,272529E+21	5,158149E+20	4,308014E+18	0,000000E+00	0,000000E+00	4,307705E+18	5,156753E+20
-690	2,272245E+21	4,803391E+21	6,556048E+21	6,556051E+21	4,803498E+21	2,272410E+21	5,157750E+20	4,311929E+18	0,000000E+00	0,000000E+00	4,312121E+18	5,158223E+20
-689	2,272453E+21	4,803400E+21	6,555732E+21	6,555560E+21	4,803045E+21	2,272215E+21	5,157338E+20	4,310559E+18	0,000000E+00	0,000000E+00	4,312115E+18	5,157979E+20
-688	2,272234E+21	4,802884E+21	6,555219E+21	6,555392E+21	4,803189E+21	2,272443E+21	5,159044E+20	4,316581E+18	0,000000E+00	0,000000E+00	4,315176E+18	5,157450E+20
-687	2,272145E+21	4,802911E+21	6,555335E+21	6,555321E+21	4,802873E+21	2,272153E+21	5,157663E+20	4,316251E+18	0,000000E+00	0,000000E+00	4,318548E+18	5,159174E+20
-686	2,272367E+21	4,802884E+21	6,554901E+21	6,554791E+21	4,802635E+21	2,272164E+21	5,158111E+20	4,316068E+18	0,000000E+00	0,000000E+00	4,317273E+18	5,158155E+20
-685	2,272116E+21	4,802553E+21	6,554826E+21	6,554948E+21	4,802825E+21	2,272310E+21	5,159018E+20	4,319323E+18	0,000000E+00	0,000000E+00	4,318476E+18	5,158170E+20
-684	2,272241E+21	4,802890E+21	6,555117E+21	6,554967E+21	4,802554E+21	2,272039E+21	5,157599E+20	4,317451E+18	0,000000E+00	0,000000E+00	4,319316E+18	5,159135E+20
-683	2,272310E+21	4,802782E+21	6,554843E+21	6,554879E+21	4,802795E+21	2,272282E+21	5,158817E+20	4,317811E+18	0,000000E+00	0,000000E+00	4,315285E+18	5,157475E+20
-682	2,272030E+21	4,802660E+21	6,555183E+21	6,555299E+21	4,802998E+21	2,272308E+21	5,158590E+20	4,318074E+18	0,000000E+00	0,000000E+00	4,317447E+18	5,158452E+20
-681	2,272330E+21	4,803003E+21	6,555261E+21	6,555189E+21	4,802786E+21	2,272125E+21	5,157398E+20	4,314279E+18	0,000000E+00	0,000000E+00	4,314627E+18	5,158434E+20
-680	2,272276E+21	4,802882E+21	6,555112E+21	6,555300E+21	4,803190E+21	2,272438E+21	5,158772E+20	4,313327E+18	0,000000E+00	0,000000E+00	4,311704E+18	5,157169E+20
-679	2,272187E+21	4,803128E+21	6,555673E+21	6,555675E+21	4,803213E+21	2,272291E+21	5,157553E+20	4,312894E+18	0,000000E+00	0,000000E+00	4,313966E+18	5,158572E+20
-678	2,272496E+21	4,803431E+21	6,555706E+21	6,555538E+21	4,803108E+21	2,272256E+21	5,157245E+20	4,308415E+18	0,000000E+00	0,000000E+00	4,308312E+18	5,157533E+20
-677	2,272290E+21	4,803201E+21	6,555726E+21	6,555880E+21	4,803499E+21	2,272486E+21	5,158399E+20	4,310448E+18	0,000000E+00	0,000000E+00	4,309750E+18	5,157066E+20
-676	2,272333E+21	4,803490E+21	6,556067E+21	6,556020E+21	4,803348E+21	2,272249E+21	5,156871E+20	4,309595E+18	0,000000E+00	0,000000E+00	4,310666E+18	5,158452E+20
-675	2,272492E+21	4,803463E+21	6,555762E+21	6,555742E+21	4,803390E+21	2,272394E+21	5,157712E+20	4,307835E+18	0,000000E+00	0,000000E+00	4,307781E+18	5,157073E+20
-674	2,272213E+21	4,803167E+21	6,555810E+21	6,555934E+21	4,803500E+21	2,272472E+21	5,158259E+20	4,312672E+18	0,000000E+00	0,000000E+00	4,312491E+18	5,157808E+20
-673	2,272419E+21	4,803393E+21	6,555752E+21	6,555623E+21	4,803063E+21	2,272177E+21	5,157001E+20	4,310451E+18	0,000000E+00	0,000000E+00	4,312059E+18	5,158424E+20
-672	2,272372E+21	4,803113E+21	6,555283E+21	6,555315E+21	4,803137E+21	2,272401E+21	5,158727E+20	4,314218E+18	0,000000E+00	0,000000E+00	4,313796E+18	5,157238E+20
-671	2,272086E+21	4,802853E+21	6,555377E+21	6,555403E+21	4,803012E+21	2,272271E+21	5,158268E+20	4,318058E+18	0,000000E+00	0,000000E+00	4,318410E+18	5,158761E+20
-670	2,272319E+21	4,802901E+21	6,555033E+21	6,554865E+21	4,802544E+21	2,272062E+21	5,157717E+20	4,316244E+18	0,000000E+00	0,000000E+00	4,318596E+18	5,158648E+20
-669	2,272130E+21	4,802407E+21	6,554530E+21	6,554689E+21	4,802678E+21	2,272286E+21	5,159355E+20	4,321590E+18	0,000000E+00	0,000000E+00	4,320778E+18	5,157982E+20
-668	2,272043E+21	4,802455E+21	6,554663E+21	6,554637E+21	4,802397E+21	2,272029E+21	5,158117E+20	4,321515E+18	0,000000E+00	0,000000E+00	4,323809E+18	5,159631E+20
-667	2,272276E+21	4,802500E+21	6,554346E+21	6,554215E+21	4,802220E+21	2,272064E+21	5,158688E+20	4,322030E+18	0,000000E+00	0,000000E+00	4,321870E+18	5,158431E+20
-666	2,271972E+21	4,802139E+21	6,554341E+21	6,554471E+21	4,802464E+21	2,272225E+21	5,159601E+20	4,325012E+18	0,000000E+00	0,000000E+00	4,323130E+18	5,158481E+20
-665	2,272096E+21	4,802417E+21	6,554516E+21	6,554420E+21	4,802184E+21	2,271941E+21	5,158067E+20	4,322899E+18	0,000000E+00	0,000000E+00	4,324208E+18	5,159484E+20
-664	2,272176E+21	4,802342E+21	6,554263E+21	6,554290E+21	4,802397E+21	2,272188E+21	5,159209E+20	4,322302E+18	0,000000E+00	0,000000E+00	4,320431E+18	5,157983E+20
-663	2,271925E+21	4,802217E+21	6,554594E+21	6,554738E+21	4,802603E+21	2,272200E+21	5,158910E+20	4,322197E+18	0,000000E+00	0,000000E+00	4,322424E+18	5,158935E+20
-662	2,272266E+21	4,802673E+21	6,554726E+21	6,554616E+21	4,802373E+21	2,272000E+21	5,157617E+20	4,318016E+18	0,000000E+00	0,000000E+00	4,319219E+18	5,158913E+20
-661	2,272218E+21	4,802592E+21	6,554658E+21	6,554766E+21	4,802778E+21	2,272310E+21	5,158992E+20	4,316926E+18	0,000000E+00	0,000000E+00	4,315681E+18	5,157468E+20

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	2,272091E+21	4,802788E+21	6,555212E+21	6,555184E+21	4,802843E+21	2,272191E+21	5,157952E+20	4,317424E+18	0,000000E+00	0,000000E+00	4,318050E+18	5,158871E+20
-659	2,272390E+21	4,803063E+21	6,555243E+21	6,555106E+21	4,802788E+21	2,272170E+21	5,157727E+20	4,313634E+18	0,000000E+00	0,000000E+00	4,312624E+18	5,157847E+20
-658	2,272157E+21	4,802769E+21	6,555203E+21	6,555408E+21	4,803174E+21	2,272407E+21	5,158870E+20	4,315600E+18	0,000000E+00	0,000000E+00	4,314710E+18	5,157518E+20
-657	2,272224E+21	4,803024E+21	6,555406E+21	6,555389E+21	4,802936E+21	2,272147E+21	5,157314E+20	4,314716E+18	0,000000E+00	0,000000E+00	4,315790E+18	5,158905E+20
-656	2,272397E+21	4,803066E+21	6,555162E+21	6,555064E+21	4,802909E+21	2,272280E+21	5,158186E+20	4,313099E+18	0,000000E+00	0,000000E+00	4,313520E+18	5,157574E+20
-655	2,272098E+21	4,802722E+21	6,555206E+21	6,555301E+21	4,803028E+21	2,272349E+21	5,158773E+20	4,318380E+18	0,000000E+00	0,000000E+00	4,318091E+18	5,158208E+20
-654	2,272290E+21	4,802963E+21	6,555165E+21	6,555000E+21	4,802580E+21	2,272033E+21	5,157435E+20	4,316166E+18	0,000000E+00	0,000000E+00	4,318043E+18	5,158916E+20
-653	2,272232E+21	4,802625E+21	6,554653E+21	6,554681E+21	4,802656E+21	2,272251E+21	5,159094E+20	4,319703E+18	0,000000E+00	0,000000E+00	4,319571E+18	5,157712E+20
-652	2,271939E+21	4,802307E+21	6,554648E+21	6,554719E+21	4,802552E+21	2,272153E+21	5,158736E+20	4,323527E+18	0,000000E+00	0,000000E+00	4,324206E+18	5,159309E+20
-651	2,272210E+21	4,802414E+21	6,554349E+21	6,554214E+21	4,802092E+21	2,271950E+21	5,158256E+20	4,322216E+18	0,000000E+00	0,000000E+00	4,324161E+18	5,159151E+20
-650	2,272019E+21	4,801952E+21	6,553893E+21	6,554057E+21	4,802236E+21	2,272178E+21	5,159879E+20	4,327270E+18	0,000000E+00	0,000000E+00	4,326031E+18	5,158443E+20
-649	2,271934E+21	4,802011E+21	6,554017E+21	6,553964E+21	4,801926E+21	2,271913E+21	5,158654E+20	4,327357E+18	0,000000E+00	0,000000E+00	4,329077E+18	5,160011E+20
-648	2,272155E+21	4,802101E+21	6,553812E+21	6,553602E+21	4,801745E+21	2,271943E+21	5,159194E+20	4,327756E+18	0,000000E+00	0,000000E+00	4,327443E+18	5,158877E+20
-647	2,271831E+21	4,801660E+21	6,553757E+21	6,553929E+21	4,802060E+21	2,272108E+21	5,160029E+20	4,330257E+18	0,000000E+00	0,000000E+00	4,328552E+18	5,158927E+20
-646	2,271984E+21	4,801999E+21	6,553923E+21	6,553845E+21	4,801782E+21	2,271823E+21	5,158345E+20	4,327360E+18	0,000000E+00	0,000000E+00	4,329613E+18	5,160038E+20
-645	2,272097E+21	4,801960E+21	6,553702E+21	6,553708E+21	4,801973E+21	2,272061E+21	5,159413E+20	4,325862E+18	0,000000E+00	0,000000E+00	4,324773E+18	5,158397E+20
-644	2,271848E+21	4,801851E+21	6,554038E+21	6,554175E+21	4,802218E+21	2,272107E+21	5,159274E+20	4,326231E+18	0,000000E+00	0,000000E+00	4,326466E+18	5,159252E+20
-643	2,272183E+21	4,802353E+21	6,554285E+21	6,554159E+21	4,802028E+21	2,271918E+21	5,158105E+20	4,322882E+18	0,000000E+00	0,000000E+00	4,322836E+18	5,159109E+20
-642	2,272092E+21	4,802231E+21	6,554240E+21	6,554361E+21	4,802459E+21	2,272225E+21	5,159453E+20	4,321778E+18	0,000000E+00	0,000000E+00	4,319764E+18	5,157732E+20
-641	2,271960E+21	4,802356E+21	6,554654E+21	6,554669E+21	4,802489E+21	2,272100E+21	5,158395E+20	4,322509E+18	0,000000E+00	0,000000E+00	4,322622E+18	5,159218E+20
-640	2,272272E+21	4,802656E+21	6,554694E+21	6,554531E+21	4,802382E+21	2,272073E+21	5,158134E+20	4,318362E+18	0,000000E+00	0,000000E+00	4,317954E+18	5,158363E+20
-639	2,272055E+21	4,802329E+21	6,554609E+21	6,554837E+21	4,802764E+21	2,272298E+21	5,159260E+20	4,320410E+18	0,000000E+00	0,000000E+00	4,320049E+18	5,158004E+20
-638	2,272146E+21	4,802660E+21	6,554822E+21	6,554769E+21	4,802490E+21	2,272023E+21	5,157659E+20	4,319429E+18	0,000000E+00	0,000000E+00	4,321228E+18	5,159405E+20
-637	2,272305E+21	4,802690E+21	6,554617E+21	6,554456E+21	4,802433E+21	2,272141E+21	5,158545E+20	4,317994E+18	0,000000E+00	0,000000E+00	4,318777E+18	5,157980E+20
-636	2,271969E+21	4,802259E+21	6,554593E+21	6,554701E+21	4,802584E+21	2,272234E+21	5,159289E+20	4,324058E+18	0,000000E+00	0,000000E+00	4,323580E+18	5,158635E+20
-635	2,272143E+21	4,802452E+21	6,554527E+21	6,554425E+21	4,802163E+21	2,271926E+21	5,158018E+20	4,322483E+18	0,000000E+00	0,000000E+00	4,323780E+18	5,159387E+20
-634	2,272085E+21	4,802094E+21	6,553967E+21	6,554043E+21	4,802209E+21	2,272139E+21	5,159610E+20	4,325725E+18	0,000000E+00	0,000000E+00	4,325556E+18	5,158283E+20
-633	2,271824E+21	4,801787E+21	6,553866E+21	6,553939E+21	4,802023E+21	2,272023E+21	5,159254E+20	4,329446E+18	0,000000E+00	0,000000E+00	4,330000E+18	5,159817E+20
-632	2,272107E+21	4,801983E+21	6,553686E+21	6,553461E+21	4,801548E+21	2,271817E+21	5,158779E+20	4,328191E+18	0,000000E+00	0,000000E+00	4,330182E+18	5,159661E+20
-631	2,271902E+21	4,801509E+21	6,553295E+21	6,553432E+21	4,801751E+21	2,272042E+21	5,160360E+20	4,333065E+18	0,000000E+00	0,000000E+00	4,331575E+18	5,158853E+20
-630	2,271813E+21	4,801602E+21	6,553449E+21	6,553380E+21	4,801474E+21	2,271777E+21	5,159058E+20	4,332769E+18	0,000000E+00	0,000000E+00	4,334822E+18	5,160478E+20
-629	2,272027E+21	4,801658E+21	6,553251E+21	6,553060E+21	4,801331E+21	2,271813E+21	5,159484E+20	4,332336E+18	0,000000E+00	0,000000E+00	4,332484E+18	5,159310E+20
-628	2,271710E+21	4,801198E+21	6,553140E+21	6,553370E+21	4,801685E+21	2,272017E+21	5,160411E+20	4,334581E+18	0,000000E+00	0,000000E+00	4,333284E+18	5,159348E+20
-627	2,271882E+21	4,801590E+21	6,553371E+21	6,553338E+21	4,801430E+21	2,271743E+21	5,158802E+20	4,332093E+18	0,000000E+00	0,000000E+00	4,333775E+18	5,160361E+20
-626	2,271996E+21	4,801596E+21	6,553198E+21	6,553210E+21	4,801621E+21	2,271979E+21	5,159842E+20	4,330253E+18	0,000000E+00	0,000000E+00	4,328659E+18	5,158698E+20
-625	2,271748E+21	4,801484E+21	6,553491E+21	6,553604E+21	4,801818E+21	2,272015E+21	5,159759E+20	4,331185E+18	0,000000E+00	0,000000E+00	4,330567E+18	5,159509E+20

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°
-624	2,272069E+21	4,802005E+21	6,553818E+21	6,553643E+21	4,801631E+21	2,271817E+21	5,158564E+20	4,327879E+18	0,000000E+00	0,000000E+00	4,327626E+18	5,159516E+20
-623	2,271972E+21	4,801810E+21	6,553711E+21	6,553884E+21	4,802099E+21	2,272114E+21	5,159802E+20	4,326536E+18	0,000000E+00	0,000000E+00	4,324907E+18	5,158211E+20
-622	2,271876E+21	4,801984E+21	6,554090E+21	6,554114E+21	4,802089E+21	2,271981E+21	5,158665E+20	4,326839E+18	0,000000E+00	0,000000E+00	4,328056E+18	5,159796E+20
-621	2,272204E+21	4,802300E+21	6,554157E+21	6,553964E+21	4,801944E+21	2,271936E+21	5,158350E+20	4,322189E+18	0,000000E+00	0,000000E+00	4,322820E+18	5,158825E+20
-620	2,271975E+21	4,801958E+21	6,554043E+21	6,554257E+21	4,802351E+21	2,272197E+21	5,159677E+20	4,325082E+18	0,000000E+00	0,000000E+00	4,324842E+18	5,158367E+20
-619	2,272030E+21	4,802272E+21	6,554320E+21	6,554265E+21	4,802101E+21	2,271931E+21	5,158231E+20	4,325106E+18	0,000000E+00	0,000000E+00	4,325904E+18	5,159676E+20
-618	2,272151E+21	4,802229E+21	6,554054E+21	6,553935E+21	4,802040E+21	2,272041E+21	5,159098E+20	4,323881E+18	0,000000E+00	0,000000E+00	4,324110E+18	5,158366E+20
-617	2,271811E+21	4,801716E+21	6,553849E+21	6,554018E+21	4,802130E+21	2,272126E+21	5,159851E+20	4,330164E+18	0,000000E+00	0,000000E+00	4,329275E+18	5,159113E+20
-616	2,272004E+21	4,801947E+21	6,553813E+21	6,553688E+21	4,801646E+21	2,271800E+21	5,158533E+20	4,328354E+18	0,000000E+00	0,000000E+00	4,330214E+18	5,160014E+20
-615	2,271969E+21	4,801582E+21	6,553241E+21	6,553330E+21	4,801687E+21	2,271992E+21	5,160045E+20	4,331488E+18	0,000000E+00	0,000000E+00	4,331653E+18	5,158851E+20
-614	2,271740E+21	4,801386E+21	6,553206E+21	6,553223E+21	4,801490E+21	2,271869E+21	5,159651E+20	4,334854E+18	0,000000E+00	0,000000E+00	4,335995E+18	5,160355E+20
-613	2,272006E+21	4,801592E+21	6,553128E+21	6,552832E+21	4,801034E+21	2,271659E+21	5,159161E+20	4,333583E+18	0,000000E+00	0,000000E+00	4,335652E+18	5,160068E+20
-612	2,271767E+21	4,801056E+21	6,552708E+21	6,552870E+21	4,801330E+21	2,271929E+21	5,160854E+20	4,338643E+18	0,000000E+00	0,000000E+00	4,336895E+18	5,159258E+20
-611	2,271664E+21	4,801118E+21	6,552870E+21	6,552879E+21	4,801116E+21	2,271692E+21	5,159621E+20	4,338605E+18	0,000000E+00	0,000000E+00	4,340013E+18	5,160871E+20
-610	2,271886E+21	4,801173E+21	6,552629E+21	6,552516E+21	4,800964E+21	2,271729E+21	5,159954E+20	4,337440E+18	0,000000E+00	0,000000E+00	4,337433E+18	5,159758E+20
-609	2,271601E+21	4,800739E+21	6,552442E+21	6,552702E+21	4,801251E+21	2,271920E+21	5,160889E+20	4,339530E+18	0,000000E+00	0,000000E+00	4,337903E+18	5,159720E+20
-608	2,271780E+21	4,801217E+21	6,552805E+21	6,552707E+21	4,800982E+21	2,271640E+21	5,159270E+20	4,337118E+18	0,000000E+00	0,000000E+00	4,338525E+18	5,160732E+20
-607	2,271883E+21	4,801212E+21	6,552691E+21	6,552692E+21	4,801212E+21	2,271860E+21	5,160236E+20	4,335080E+18	0,000000E+00	0,000000E+00	4,333145E+18	5,159043E+20
-606	2,271652E+21	4,801148E+21	6,553000E+21	6,553095E+21	4,801420E+21	2,271888E+21	5,160066E+20	4,335693E+18	0,000000E+00	0,000000E+00	4,335583E+18	5,159964E+20
-605	2,271973E+21	4,801644E+21	6,553332E+21	6,553163E+21	4,801256E+21	2,271691E+21	5,158765E+20	4,331621E+18	0,000000E+00	0,000000E+00	4,332214E+18	5,159983E+20
-604	2,271889E+21	4,801439E+21	6,553178E+21	6,553387E+21	4,801750E+21	2,272020E+21	5,160091E+20	4,330348E+18	0,000000E+00	0,000000E+00	4,329575E+18	5,158686E+20
-603	2,271797E+21	4,801628E+21	6,553595E+21	6,553650E+21	4,801754E+21	2,271901E+21	5,159102E+20	4,331375E+18	0,000000E+00	0,000000E+00	4,332280E+18	5,160120E+20
-602	2,272106E+21	4,801948E+21	6,553667E+21	6,553481E+21	4,801592E+21	2,271854E+21	5,158805E+20	4,326858E+18	0,000000E+00	0,000000E+00	4,327211E+18	5,159136E+20
-601	2,271855E+21	4,801551E+21	6,553445E+21	6,553645E+21	4,801916E+21	2,272100E+21	5,160260E+20	4,330885E+18	0,000000E+00	0,000000E+00	4,329633E+18	5,158658E+20
-600	2,271871E+21	4,801810E+21	6,553720E+21	6,553652E+21	4,801655E+21	2,271824E+21	5,158816E+20	4,331221E+18	0,000000E+00	0,000000E+00	4,331620E+18	5,160121E+20
-599	2,271992E+21	4,801690E+21	6,553361E+21	6,553307E+21	4,801587E+21	2,271912E+21	5,159573E+20	4,329882E+18	0,000000E+00	0,000000E+00	4,330336E+18	5,158961E+20
-598	2,271710E+21	4,801247E+21	6,553113E+21	6,553270E+21	4,801596E+21	2,271973E+21	5,160236E+20	4,335657E+18	0,000000E+00	0,000000E+00	4,335676E+18	5,159783E+20
-597	2,271917E+21	4,801513E+21	6,553141E+21	6,552970E+21	4,801099E+21	2,271631E+21	5,158859E+20	4,333362E+18	0,000000E+00	0,000000E+00	4,336056E+18	5,160563E+20
-596	2,271875E+21	4,801167E+21	6,552612E+21	6,552667E+21	4,801193E+21	2,271856E+21	5,160488E+20	4,337022E+18	0,000000E+00	0,000000E+00	4,337181E+18	5,159284E+20
-595	2,271608E+21	4,800954E+21	6,552673E+21	6,552690E+21	4,801061E+21	2,271757E+21	5,160247E+20	4,341015E+18	0,000000E+00	0,000000E+00	4,341178E+18	5,160664E+20
-594	2,271842E+21	4,801108E+21	6,552555E+21	6,552329E+21	4,800657E+21	2,271561E+21	5,159707E+20	4,339613E+18	0,000000E+00	0,000000E+00	4,341151E+18	5,160452E+20
-593	2,271604E+21	4,800520E+21	6,551984E+21	6,552217E+21	4,800911E+21	2,271838E+21	5,161418E+20	4,344463E+18	0,000000E+00	0,000000E+00	4,342265E+18	5,159705E+20
-592	2,271522E+21	4,800624E+21	6,552193E+21	6,552211E+21	4,800674E+21	2,271597E+21	5,160143E+20	4,344068E+18	0,000000E+00	0,000000E+00	4,345642E+18	5,161380E+20
-591	2,271773E+21	4,800704E+21	6,551962E+21	6,551886E+21	4,800525E+21	2,271611E+21	5,160360E+20	4,342386E+18	0,000000E+00	0,000000E+00	4,342519E+18	5,160257E+20
-590	2,271536E+21	4,800401E+21	6,551852E+21	6,552049E+21	4,800777E+21	2,271783E+21	5,161214E+20	4,343947E+18	0,000000E+00	0,000000E+00	4,342922E+18	5,160197E+20
-589	2,271701E+21	4,800897E+21	6,552338E+21	6,552172E+21	4,800536E+21	2,271492E+21	5,159531E+20	4,341300E+18	0,000000E+00	0,000000E+00	4,343015E+18	5,161126E+20

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	2,271787E+21	4,800860E+21	6,552221E+21	6,552235E+21	4,800857E+21	2,271747E+21	5,160534E+20	4,339324E+18	0,000000E+00	0,000000E+00	4,337667E+18	5,159461E+20
-587	2,271551E+21	4,800787E+21	6,552559E+21	6,552692E+21	4,801117E+21	2,271804E+21	5,160461E+20	4,340284E+18	0,000000E+00	0,000000E+00	4,340000E+18	5,160351E+20
-586	2,271880E+21	4,801280E+21	6,552839E+21	6,552711E+21	4,800943E+21	2,271613E+21	5,159142E+20	4,335863E+18	0,000000E+00	0,000000E+00	4,336385E+18	5,160337E+20
-585	2,271795E+21	4,801061E+21	6,552586E+21	6,552799E+21	4,801367E+21	2,271938E+21	5,160573E+20	4,335141E+18	0,000000E+00	0,000000E+00	4,333778E+18	5,158984E+20
-584	2,271683E+21	4,801264E+21	6,553074E+21	6,553077E+21	4,801350E+21	2,271815E+21	5,159646E+20	4,336719E+18	0,000000E+00	0,000000E+00	4,336914E+18	5,160390E+20
-583	2,271954E+21	4,801501E+21	6,553107E+21	6,552944E+21	4,801187E+21	2,271742E+21	5,159311E+20	4,332432E+18	0,000000E+00	0,000000E+00	4,332276E+18	5,159502E+20
-582	2,271726E+21	4,801113E+21	6,552817E+21	6,553020E+21	4,801462E+21	2,271966E+21	5,160674E+20	4,336367E+18	0,000000E+00	0,000000E+00	4,335534E+18	5,159196E+20
-581	2,271744E+21	4,801336E+21	6,553073E+21	6,553012E+21	4,801175E+21	2,271673E+21	5,159133E+20	4,336051E+18	0,000000E+00	0,000000E+00	4,337394E+18	5,160699E+20
-580	2,271886E+21	4,801221E+21	6,552680E+21	6,552642E+21	4,801112E+21	2,271775E+21	5,159936E+20	4,334981E+18	0,000000E+00	0,000000E+00	4,336234E+18	5,159556E+20
-579	2,271612E+21	4,800819E+21	6,552510E+21	6,552656E+21	4,801136E+21	2,271847E+21	5,160719E+20	4,341259E+18	0,000000E+00	0,000000E+00	4,341028E+18	5,160230E+20
-578	2,271805E+21	4,801096E+21	6,552553E+21	6,552370E+21	4,800656E+21	2,271517E+21	5,159383E+20	4,339116E+18	0,000000E+00	0,000000E+00	4,341507E+18	5,160949E+20
-577	2,271733E+21	4,800697E+21	6,551957E+21	6,552005E+21	4,800717E+21	2,271743E+21	5,161119E+20	4,343593E+18	0,000000E+00	0,000000E+00	4,342768E+18	5,159685E+20
-576	2,271442E+21	4,800442E+21	6,552023E+21	6,552060E+21	4,800618E+21	2,271651E+21	5,160871E+20	4,347553E+18	0,000000E+00	0,000000E+00	4,347353E+18	5,161144E+20
-575	2,271678E+21	4,800543E+21	6,551831E+21	6,551689E+21	4,800224E+21	2,271447E+21	5,160220E+20	4,345705E+18	0,000000E+00	0,000000E+00	4,347445E+18	5,161067E+20
-574	2,271509E+21	4,800060E+21	6,551251E+21	6,551469E+21	4,800400E+21	2,271698E+21	5,161791E+20	4,349513E+18	0,000000E+00	0,000000E+00	4,348230E+18	5,160342E+20
-573	2,271439E+21	4,800215E+21	6,551564E+21	6,551531E+21	4,800166E+21	2,271441E+21	5,160426E+20	4,348433E+18	0,000000E+00	0,000000E+00	4,350709E+18	5,161845E+20
-572	2,271690E+21	4,800345E+21	6,551420E+21	6,551299E+21	4,800085E+21	2,271483E+21	5,160692E+20	4,346885E+18	0,000000E+00	0,000000E+00	4,347056E+18	5,160638E+20
-571	2,271431E+21	4,800059E+21	6,551431E+21	6,551603E+21	4,800408E+21	2,271676E+21	5,161651E+20	4,348804E+18	0,000000E+00	0,000000E+00	4,347015E+18	5,160464E+20
-570	2,271580E+21	4,800523E+21	6,551892E+21	6,551772E+21	4,800244E+21	2,271411E+21	5,159937E+20	4,345938E+18	0,000000E+00	0,000000E+00	4,347175E+18	5,161428E+20
-569	2,271667E+21	4,800454E+21	6,551671E+21	6,551716E+21	4,800520E+21	2,271670E+21	5,160967E+20	4,343978E+18	0,000000E+00	0,000000E+00	4,341893E+18	5,159819E+20
-568	2,271443E+21	4,800400E+21	6,552025E+21	6,552163E+21	4,800770E+21	2,271731E+21	5,160919E+20	4,345024E+18	0,000000E+00	0,000000E+00	4,344495E+18	5,160693E+20
-567	2,271770E+21	4,800878E+21	6,552289E+21	6,552196E+21	4,800597E+21	2,271525E+21	5,159552E+20	4,340474E+18	0,000000E+00	0,000000E+00	4,340783E+18	5,160707E+20
-566	2,271718E+21	4,800734E+21	6,552045E+21	6,552187E+21	4,800930E+21	2,271820E+21	5,160956E+20	4,339801E+18	0,000000E+00	0,000000E+00	4,338723E+18	5,159402E+20
-565	2,271571E+21	4,800876E+21	6,552564E+21	6,552530E+21	4,800910E+21	2,271675E+21	5,159990E+20	4,341370E+18	0,000000E+00	0,000000E+00	4,341815E+18	5,160781E+20
-564	2,271826E+21	4,801057E+21	6,552528E+21	6,552397E+21	4,800788E+21	2,271619E+21	5,159672E+20	4,337393E+18	0,000000E+00	0,000000E+00	4,337835E+18	5,160045E+20
-563	2,271608E+21	4,800661E+21	6,552234E+21	6,552452E+21	4,801048E+21	2,271848E+21	5,161098E+20	4,341720E+18	0,000000E+00	0,000000E+00	4,341124E+18	5,159744E+20
-562	2,271648E+21	4,800894E+21	6,552442E+21	6,552392E+21	4,800742E+21	2,271557E+21	5,159555E+20	4,341115E+18	0,000000E+00	0,000000E+00	4,342827E+18	5,161192E+20
-561	2,271784E+21	4,800779E+21	6,551996E+21	6,551920E+21	4,800612E+21	2,271652E+21	5,160457E+20	4,340907E+18	0,000000E+00	0,000000E+00	4,341687E+18	5,159988E+20
-560	2,271487E+21	4,800390E+21	6,551902E+21	6,551991E+21	4,800658E+21	2,271731E+21	5,161318E+20	4,347644E+18	0,000000E+00	0,000000E+00	4,346642E+18	5,160590E+20
-559	2,271641E+21	4,800583E+21	6,551917E+21	6,551769E+21	4,800215E+21	2,271398E+21	5,159974E+20	4,345660E+18	0,000000E+00	0,000000E+00	4,347598E+18	5,161414E+20
-558	2,271595E+21	4,800200E+21	6,551262E+21	6,551315E+21	4,800232E+21	2,271608E+21	5,161599E+20	4,349646E+18	0,000000E+00	0,000000E+00	4,349268E+18	5,160313E+20
-557	2,271311E+21	4,799926E+21	6,551332E+21	6,551385E+21	4,800125E+21	2,271505E+21	5,161241E+20	4,352572E+18	0,000000E+00	0,000000E+00	4,353358E+18	5,161725E+20
-556	2,271570E+21	4,800061E+21	6,551138E+21	6,551015E+21	4,799758E+21	2,271320E+21	5,160591E+20	4,350654E+18	0,000000E+00	0,000000E+00	4,353139E+18	5,161635E+20
-555	2,271417E+21	4,799663E+21	6,550687E+21	6,550862E+21	4,799953E+21	2,271578E+21	5,162214E+20	4,354446E+18	0,000000E+00	0,000000E+00	4,352886E+18	5,160737E+20
-554	2,271346E+21	4,799851E+21	6,551049E+21	6,550974E+21	4,799755E+21	2,271334E+21	5,160876E+20	4,353451E+18	0,000000E+00	0,000000E+00	4,355013E+18	5,162090E+20
-553	2,271559E+21	4,799936E+21	6,550878E+21	6,550741E+21	4,799679E+21	2,271382E+21	5,161217E+20	4,352470E+18	0,000000E+00	0,000000E+00	4,351340E+18	5,160924E+20

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	2,271295E+21	4,799641E+21	6,550916E+21	6,551113E+21	4,800065E+21	2,271587E+21	5,162139E+20	4,354224E+18	0,000000E+00	0,000000E+00	4,351837E+18	5,160823E+20
-551	2,271449E+21	4,800064E+21	6,551311E+21	6,551267E+21	4,799917E+21	2,271330E+21	5,160382E+20	4,351012E+18	0,000000E+00	0,000000E+00	4,352108E+18	5,161907E+20
-550	2,271596E+21	4,800089E+21	6,551092E+21	6,551107E+21	4,800105E+21	2,271558E+21	5,161281E+20	4,348155E+18	0,000000E+00	0,000000E+00	4,346868E+18	5,160336E+20
-549	2,271372E+21	4,800057E+21	6,551517E+21	6,551604E+21	4,800344E+21	2,271601E+21	5,161181E+20	4,348848E+18	0,000000E+00	0,000000E+00	4,348932E+18	5,161035E+20
-548	2,271672E+21	4,800527E+21	6,551802E+21	6,551680E+21	4,800210E+21	2,271414E+21	5,159872E+20	4,344743E+18	0,000000E+00	0,000000E+00	4,345282E+18	5,161047E+20
-547	2,271596E+21	4,800365E+21	6,551611E+21	6,551723E+21	4,800559E+21	2,271711E+21	5,161360E+20	4,344639E+18	0,000000E+00	0,000000E+00	4,343390E+18	5,159760E+20
-546	2,271449E+21	4,800445E+21	6,552021E+21	6,552029E+21	4,800565E+21	2,271580E+21	5,160385E+20	4,346157E+18	0,000000E+00	0,000000E+00	4,346650E+18	5,161171E+20
-545	2,271699E+21	4,800585E+21	6,551870E+21	6,551759E+21	4,800367E+21	2,271519E+21	5,160144E+20	4,342676E+18	0,000000E+00	0,000000E+00	4,343086E+18	5,160560E+20
-544	2,271507E+21	4,800221E+21	6,551596E+21	6,551807E+21	4,800605E+21	2,271736E+21	5,161578E+20	4,347317E+18	0,000000E+00	0,000000E+00	4,346641E+18	5,160212E+20
-543	2,271537E+21	4,800441E+21	6,551799E+21	6,551748E+21	4,800295E+21	2,271444E+21	5,160077E+20	4,346842E+18	0,000000E+00	0,000000E+00	4,348416E+18	5,161678E+20
-542	2,271693E+21	4,800383E+21	6,551382E+21	6,551213E+21	4,800083E+21	2,271506E+21	5,160932E+20	4,346858E+18	0,000000E+00	0,000000E+00	4,347819E+18	5,160512E+20
-541	2,271357E+21	4,799929E+21	6,551307E+21	6,551368E+21	4,800158E+21	2,271575E+21	5,161747E+20	4,353285E+18	0,000000E+00	0,000000E+00	4,352584E+18	5,161057E+20
-540	2,271492E+21	4,800069E+21	6,551252E+21	6,551149E+21	4,799779E+21	2,271274E+21	5,160423E+20	4,351476E+18	0,000000E+00	0,000000E+00	4,354078E+18	5,162011E+20
-539	2,271463E+21	4,799701E+21	6,550615E+21	6,550666E+21	4,799774E+21	2,271491E+21	5,162090E+20	4,355451E+18	0,000000E+00	0,000000E+00	4,355115E+18	5,160884E+20
-538	2,271207E+21	4,799445E+21	6,550651E+21	6,550724E+21	4,799676E+21	2,271393E+21	5,161706E+20	4,357808E+18	0,000000E+00	0,000000E+00	4,358515E+18	5,162121E+20
-537	2,271449E+21	4,799605E+21	6,550463E+21	6,550305E+21	4,799268E+21	2,271204E+21	5,161134E+20	4,356478E+18	0,000000E+00	0,000000E+00	4,358026E+18	5,161986E+20
-536	2,271288E+21	4,799239E+21	6,550112E+21	6,550249E+21	4,799504E+21	2,271464E+21	5,162756E+20	4,360337E+18	0,000000E+00	0,000000E+00	4,357597E+18	5,161001E+20
-535	2,271193E+21	4,799386E+21	6,550483E+21	6,550451E+21	4,799377E+21	2,271235E+21	5,161400E+20	4,359218E+18	0,000000E+00	0,000000E+00	4,360090E+18	5,162483E+20
-534	2,271449E+21	4,799521E+21	6,550300E+21	6,550159E+21	4,799265E+21	2,271263E+21	5,161569E+20	4,357370E+18	0,000000E+00	0,000000E+00	4,356677E+18	5,161461E+20
-533	2,271201E+21	4,799240E+21	6,550377E+21	6,550576E+21	4,799661E+21	2,271461E+21	5,162377E+20	4,358010E+18	0,000000E+00	0,000000E+00	4,356738E+18	5,161304E+20
-532	2,271374E+21	4,799698E+21	6,550773E+21	6,550747E+21	4,799560E+21	2,271230E+21	5,160638E+20	4,354811E+18	0,000000E+00	0,000000E+00	4,356816E+18	5,162361E+20
-531	2,271521E+21	4,799783E+21	6,550662E+21	6,550620E+21	4,799739E+21	2,271459E+21	5,161599E+20	4,352002E+18	0,000000E+00	0,000000E+00	4,350968E+18	5,160696E+20
-530	2,271292E+21	4,799731E+21	6,551072E+21	6,551136E+21	4,799995E+21	2,271511E+21	5,161556E+20	4,353096E+18	0,000000E+00	0,000000E+00	4,352877E+18	5,161237E+20
-529	2,271535E+21	4,800115E+21	6,551278E+21	6,551158E+21	4,799831E+21	2,271321E+21	5,160358E+20	4,349893E+18	0,000000E+00	0,000000E+00	4,349731E+18	5,161384E+20
-528	2,271466E+21	4,799927E+21	6,551043E+21	6,551187E+21	4,800191E+21	2,271617E+21	5,161838E+20	4,350144E+18	0,000000E+00	0,000000E+00	4,348599E+18	5,160188E+20
-527	2,271328E+21	4,799970E+21	6,551371E+21	6,551425E+21	4,800168E+21	2,271488E+21	5,160881E+20	4,351640E+18	0,000000E+00	0,000000E+00	4,352114E+18	5,161721E+20
-526	2,271630E+21	4,800182E+21	6,551215E+21	6,551047E+21	4,799860E+21	2,271380E+21	5,160534E+20	4,347861E+18	0,000000E+00	0,000000E+00	4,348895E+18	5,161143E+20
-525	2,271427E+21	4,799833E+21	6,551020E+21	6,551159E+21	4,800090E+21	2,271577E+21	5,161918E+20	4,352282E+18	0,000000E+00	0,000000E+00	4,352097E+18	5,160642E+20
-524	2,271419E+21	4,800017E+21	6,551222E+21	6,551147E+21	4,799839E+21	2,271316E+21	5,160536E+20	4,352412E+18	0,000000E+00	0,000000E+00	4,354131E+18	5,162091E+20
-523	2,271542E+21	4,799926E+21	6,550849E+21	6,550664E+21	4,799649E+21	2,271384E+21	5,161442E+20	4,352913E+18	0,000000E+00	0,000000E+00	4,353700E+18	5,160988E+20
-522	2,271216E+21	4,799415E+21	6,550653E+21	6,550768E+21	4,799744E+21	2,271471E+21	5,162246E+20	4,359005E+18	0,000000E+00	0,000000E+00	4,358192E+18	5,161460E+20
-521	2,271327E+21	4,799506E+21	6,550497E+21	6,550429E+21	4,799305E+21	2,271173E+21	5,161020E+20	4,357648E+18	0,000000E+00	0,000000E+00	4,359900E+18	5,162514E+20
-520	2,271334E+21	4,799191E+21	6,549893E+21	6,549963E+21	4,799300E+21	2,271378E+21	5,162646E+20	4,361606E+18	0,000000E+00	0,000000E+00	4,360677E+18	5,161327E+20
-519	2,271082E+21	4,798956E+21	6,549947E+21	6,550028E+21	4,799203E+21	2,271283E+21	5,162275E+20	4,363787E+18	0,000000E+00	0,000000E+00	4,363956E+18	5,162564E+20
-518	2,271347E+21	4,799187E+21	6,549833E+21	6,549604E+21	4,798739E+21	2,271057E+21	5,161590E+20	4,362239E+18	0,000000E+00	0,000000E+00	4,363702E+18	5,162491E+20
-517	2,271175E+21	4,798817E+21	6,549565E+21	6,549685E+21	4,799032E+21	2,271303E+21	5,163055E+20	4,365135E+18	0,000000E+00	0,000000E+00	4,363006E+18	5,161484E+20

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	2,271081E+21	4,798956E+21	6,549911E+21	6,549918E+21	4,798996E+21	2,271122E+21	5,161720E+20	4,363903E+18	0,000000E+00	0,000000E+00	4,365776E+18	5,163048E+20
-515	2,271359E+21	4,799152E+21	6,549812E+21	6,549651E+21	4,798887E+21	2,271158E+21	5,161875E+20	4,361576E+18	0,000000E+00	0,000000E+00	4,361513E+18	5,161981E+20
-514	2,271143E+21	4,798906E+21	6,549872E+21	6,550069E+21	4,799306E+21	2,271370E+21	5,162682E+20	4,361784E+18	0,000000E+00	0,000000E+00	4,360677E+18	5,161552E+20
-513	2,271268E+21	4,799345E+21	6,550261E+21	6,550207E+21	4,799188E+21	2,271151E+21	5,161103E+20	4,359459E+18	0,000000E+00	0,000000E+00	4,360570E+18	5,162567E+20
-512	2,271399E+21	4,799417E+21	6,550189E+21	6,550150E+21	4,799392E+21	2,271376E+21	5,162095E+20	4,357042E+18	0,000000E+00	0,000000E+00	4,354951E+18	5,160892E+20
-511	2,271146E+21	4,799288E+21	6,550522E+21	6,550659E+21	4,799670E+21	2,271437E+21	5,162081E+20	4,358442E+18	0,000000E+00	0,000000E+00	4,357592E+18	5,161612E+20
-510	2,271423E+21	4,799686E+21	6,550676E+21	6,550559E+21	4,799410E+21	2,271208E+21	5,160747E+20	4,354753E+18	0,000000E+00	0,000000E+00	4,355128E+18	5,161954E+20
-509	2,271378E+21	4,799515E+21	6,550461E+21	6,550597E+21	4,799731E+21	2,271473E+21	5,162092E+20	4,354355E+18	0,000000E+00	0,000000E+00	4,353999E+18	5,160731E+20
-508	2,271253E+21	4,799588E+21	6,550784E+21	6,550829E+21	4,799736E+21	2,271366E+21	5,161215E+20	4,356224E+18	0,000000E+00	0,000000E+00	4,357539E+18	5,162229E+20
-507	2,271545E+21	4,799846E+21	6,550727E+21	6,550472E+21	4,799406E+21	2,271253E+21	5,160937E+20	4,352933E+18	0,000000E+00	0,000000E+00	4,354090E+18	5,161574E+20
-506	2,271324E+21	4,799440E+21	6,550490E+21	6,550609E+21	4,799664E+21	2,271463E+21	5,162388E+20	4,357794E+18	0,000000E+00	0,000000E+00	4,357043E+18	5,160904E+20
-505	2,271244E+21	4,799505E+21	6,550587E+21	6,550548E+21	4,799410E+21	2,271214E+21	5,161151E+20	4,358783E+18	0,000000E+00	0,000000E+00	4,359827E+18	5,162513E+20
-504	2,271378E+21	4,799369E+21	6,550131E+21	6,550029E+21	4,799220E+21	2,271283E+21	5,162057E+20	4,359615E+18	0,000000E+00	0,000000E+00	4,359971E+18	5,161510E+20
-503	2,271071E+21	4,798843E+21	6,549856E+21	6,550048E+21	4,799282E+21	2,271374E+21	5,162857E+20	4,365301E+18	0,000000E+00	0,000000E+00	4,364441E+18	5,162068E+20
-502	2,271227E+21	4,799018E+21	6,549731E+21	6,549616E+21	4,798726E+21	2,271020E+21	5,161495E+20	4,363540E+18	0,000000E+00	0,000000E+00	4,366227E+18	5,163118E+20
-501	2,271235E+21	4,798755E+21	6,549247E+21	6,549245E+21	4,798722E+21	2,271199E+21	5,162984E+20	4,366816E+18	0,000000E+00	0,000000E+00	4,366359E+18	5,161795E+20
-500	2,270966E+21	4,798530E+21	6,549351E+21	6,549405E+21	4,798717E+21	2,271137E+21	5,162675E+20	4,369125E+18	0,000000E+00	0,000000E+00	4,369694E+18	5,163018E+20
-499	2,271219E+21	4,798781E+21	6,549325E+21	6,549077E+21	4,798318E+21	2,270926E+21	5,161963E+20	4,367467E+18	0,000000E+00	0,000000E+00	4,369134E+18	5,163000E+20
-498	2,271075E+21	4,798409E+21	6,549019E+21	6,549180E+21	4,798672E+21	2,271201E+21	5,163381E+20	4,369540E+18	0,000000E+00	0,000000E+00	4,367668E+18	5,161855E+20
-497	2,270961E+21	4,798527E+21	6,549327E+21	6,549363E+21	4,798627E+21	2,271046E+21	5,162198E+20	4,368719E+18	0,000000E+00	0,000000E+00	4,370372E+18	5,163436E+20
-496	2,271262E+21	4,798766E+21	6,549266E+21	6,549147E+21	4,798546E+21	2,271082E+21	5,162347E+20	4,366397E+18	0,000000E+00	0,000000E+00	4,365597E+18	5,162259E+20
-495	2,271035E+21	4,798529E+21	6,549329E+21	6,549545E+21	4,798958E+21	2,271303E+21	5,163212E+20	4,366737E+18	0,000000E+00	0,000000E+00	4,364849E+18	5,161828E+20
-494	2,271153E+21	4,798969E+21	6,549734E+21	6,549643E+21	4,798760E+21	2,271038E+21	5,161544E+20	4,364492E+18	0,000000E+00	0,000000E+00	4,365199E+18	5,162925E+20
-493	2,271277E+21	4,799014E+21	6,549678E+21	6,549649E+21	4,798974E+21	2,271236E+21	5,162379E+20	4,361393E+18	0,000000E+00	0,000000E+00	4,359949E+18	5,161356E+20
-492	2,271043E+21	4,798871E+21	6,549928E+21	6,550106E+21	4,799283E+21	2,271328E+21	5,162421E+20	4,363086E+18	0,000000E+00	0,000000E+00	4,363135E+18	5,162176E+20
-491	2,271339E+21	4,799325E+21	6,550149E+21	6,550001E+21	4,798994E+21	2,271090E+21	5,161074E+20	4,359147E+18	0,000000E+00	0,000000E+00	4,360296E+18	5,162531E+20
-490	2,271325E+21	4,799184E+21	6,549931E+21	6,550036E+21	4,799310E+21	2,271350E+21	5,162389E+20	4,358738E+18	0,000000E+00	0,000000E+00	4,358576E+18	5,161040E+20
-489	2,271133E+21	4,799194E+21	6,550226E+21	6,550237E+21	4,799300E+21	2,271264E+21	5,161750E+20	4,361734E+18	0,000000E+00	0,000000E+00	4,362239E+18	5,162514E+20
-488	2,271398E+21	4,799400E+21	6,550166E+21	6,549953E+21	4,799014E+21	2,271152E+21	5,161517E+20	4,359113E+18	0,000000E+00	0,000000E+00	4,359363E+18	5,161879E+20
-487	2,271155E+21	4,798915E+21	6,549817E+21	6,550021E+21	4,799273E+21	2,271379E+21	5,163022E+20	4,364259E+18	0,000000E+00	0,000000E+00	4,362969E+18	5,161396E+20
-486	2,271095E+21	4,798963E+21	6,549835E+21	6,549820E+21	4,798908E+21	2,271090E+21	5,161677E+20	4,364813E+18	0,000000E+00	0,000000E+00	4,366333E+18	5,163147E+20
-485	2,271260E+21	4,798857E+21	6,549402E+21	6,549307E+21	4,798672E+21	2,271121E+21	5,162429E+20	4,364925E+18	0,000000E+00	0,000000E+00	4,366437E+18	5,162162E+20
-484	2,270978E+21	4,798380E+21	6,549126E+21	6,549308E+21	4,798755E+21	2,271227E+21	5,163263E+20	4,370619E+18	0,000000E+00	0,000000E+00	4,370621E+18	5,162649E+20
-483	2,271127E+21	4,798630E+21	6,549152E+21	6,548942E+21	4,798198E+21	2,270868E+21	5,161912E+20	4,369004E+18	0,000000E+00	0,000000E+00	4,371969E+18	5,163635E+20
-482	2,271135E+21	4,798360E+21	6,548696E+21	6,548661E+21	4,798252E+21	2,271054E+21	5,163355E+20	4,372143E+18	0,000000E+00	0,000000E+00	4,371317E+18	5,162107E+20
-481	2,270810E+21	4,798060E+21	6,548755E+21	6,548837E+21	4,798304E+21	2,271031E+21	5,163217E+20	4,374976E+18	0,000000E+00	0,000000E+00	4,374990E+18	5,163440E+20

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												
-480	2,271085E+21	4,798303E+21	6,548707E+21	6,548550E+21	4,797965E+21	2,270843E+21	5,162508E+20	4,373380E+18	0,000000E+00	0,000000E+00	4,374341E+18	5,163424E+20
-479	2,270958E+21	4,797956E+21	6,548380E+21	6,548607E+21	4,798312E+21	2,271134E+21	5,163932E+20	4,374841E+18	0,000000E+00	0,000000E+00	4,372589E+18	5,162310E+20
-478	2,270867E+21	4,798133E+21	6,548722E+21	6,548727E+21	4,798180E+21	2,270938E+21	5,162657E+20	4,373704E+18	0,000000E+00	0,000000E+00	4,375183E+18	5,163818E+20
-477	2,271157E+21	4,798395E+21	6,548753E+21	6,548599E+21	4,798102E+21	2,270949E+21	5,162668E+20	4,370663E+18	0,000000E+00	0,000000E+00	4,370032E+18	5,162584E+20
-476	2,270919E+21	4,798150E+21	6,548808E+21	6,549037E+21	4,798575E+21	2,271191E+21	5,163569E+20	4,371235E+18	0,000000E+00	0,000000E+00	4,369741E+18	5,162212E+20
-475	2,271032E+21	4,798601E+21	6,549259E+21	6,549160E+21	4,798389E+21	2,270923E+21	5,161850E+20	4,368872E+18	0,000000E+00	0,000000E+00	4,370042E+18	5,163417E+20
-474	2,271192E+21	4,798644E+21	6,549155E+21	6,549146E+21	4,798612E+21	2,271125E+21	5,162612E+20	4,365262E+18	0,000000E+00	0,000000E+00	4,364318E+18	5,161743E+20
-473	2,270944E+21	4,798486E+21	6,549373E+21	6,549556E+21	4,798899E+21	2,271232E+21	5,162832E+20	4,367677E+18	0,000000E+00	0,000000E+00	4,367756E+18	5,162607E+20
-472	2,271256E+21	4,798959E+21	6,549601E+21	6,549482E+21	4,798633E+21	2,270999E+21	5,161549E+20	4,364193E+18	0,000000E+00	0,000000E+00	4,364729E+18	5,162853E+20
-471	2,271218E+21	4,798806E+21	6,549380E+21	6,549485E+21	4,798928E+21	2,271269E+21	5,162955E+20	4,364340E+18	0,000000E+00	0,000000E+00	4,363493E+18	5,161408E+20
-470	2,271001E+21	4,798761E+21	6,549641E+21	6,549627E+21	4,798832E+21	2,271139E+21	5,162281E+20	4,367621E+18	0,000000E+00	0,000000E+00	4,367820E+18	5,162939E+20
-469	2,271249E+21	4,798908E+21	6,549537E+21	6,549356E+21	4,798542E+21	2,271004E+21	5,161913E+20	4,364577E+18	0,000000E+00	0,000000E+00	4,365736E+18	5,162464E+20
-468	2,271028E+21	4,798408E+21	6,549081E+21	6,549326E+21	4,798800E+21	2,271254E+21	5,163470E+20	4,369960E+18	0,000000E+00	0,000000E+00	4,369668E+18	5,162070E+20
-467	2,270987E+21	4,798507E+21	6,549157E+21	6,549104E+21	4,798387E+21	2,270945E+21	5,162092E+20	4,370203E+18	0,000000E+00	0,000000E+00	4,372560E+18	5,163786E+20
-466	2,271180E+21	4,798441E+21	6,548748E+21	6,548612E+21	4,798152E+21	2,270968E+21	5,162799E+20	4,370283E+18	0,000000E+00	0,000000E+00	4,371726E+18	5,162534E+20
-465	2,270839E+21	4,797928E+21	6,548493E+21	6,548631E+21	4,798248E+21	2,271097E+21	5,163838E+20	4,376755E+18	0,000000E+00	0,000000E+00	4,375813E+18	5,162997E+20
-464	2,270971E+21	4,798141E+21	6,548539E+21	6,548383E+21	4,797783E+21	2,270757E+21	5,162533E+20	4,375651E+18	0,000000E+00	0,000000E+00	4,377370E+18	5,163967E+20
-463	2,270972E+21	4,797850E+21	6,548046E+21	6,548083E+21	4,797868E+21	2,270969E+21	5,163958E+20	4,378452E+18	0,000000E+00	0,000000E+00	4,376979E+18	5,162605E+20
-462	2,270673E+21	4,797558E+21	6,548073E+21	6,548177E+21	4,797847E+21	2,270919E+21	5,163731E+20	4,380641E+18	0,000000E+00	0,000000E+00	4,380786E+18	5,163979E+20
-461	2,270979E+21	4,797856E+21	6,548082E+21	6,547943E+21	4,797513E+21	2,270712E+21	5,162854E+20	4,378113E+18	0,000000E+00	0,000000E+00	4,379870E+18	5,163952E+20
-460	2,270873E+21	4,797569E+21	6,547766E+21	6,547984E+21	4,797887E+21	2,271022E+21	5,164305E+20	4,379356E+18	0,000000E+00	0,000000E+00	4,377666E+18	5,162751E+20
-459	2,270766E+21	4,797795E+21	6,548242E+21	6,548174E+21	4,797754E+21	2,270817E+21	5,163011E+20	4,378203E+18	0,000000E+00	0,000000E+00	4,379800E+18	5,164200E+20
-458	2,271059E+21	4,798044E+21	6,548287E+21	6,548121E+21	4,797717E+21	2,270819E+21	5,162925E+20	4,374818E+18	0,000000E+00	0,000000E+00	4,374074E+18	5,162856E+20
-457	2,270785E+21	4,797734E+21	6,548268E+21	6,548521E+21	4,798215E+21	2,271093E+21	5,163980E+20	4,375953E+18	0,000000E+00	0,000000E+00	4,374395E+18	5,162643E+20
-456	2,270931E+21	4,798185E+21	6,548694E+21	6,548671E+21	4,798072E+21	2,270845E+21	5,162297E+20	4,373778E+18	0,000000E+00	0,000000E+00	4,374569E+18	5,163841E+20
-455	2,271111E+21	4,798278E+21	6,548598E+21	6,548600E+21	4,798256E+21	2,271047E+21	5,163065E+20	4,370056E+18	0,000000E+00	0,000000E+00	4,368949E+18	5,162190E+20
-454	2,270865E+21	4,798138E+21	6,548829E+21	6,548946E+21	4,798451E+21	2,271114E+21	5,163266E+20	4,372679E+18	0,000000E+00	0,000000E+00	4,372466E+18	5,162957E+20
-453	2,271148E+21	4,798592E+21	6,549107E+21	6,548948E+21	4,798193E+21	2,270864E+21	5,161914E+20	4,368979E+18	0,000000E+00	0,000000E+00	4,369701E+18	5,163200E+20
-452	2,271085E+21	4,798380E+21	6,548811E+21	6,548935E+21	4,798522E+21	2,271152E+21	5,163393E+20	4,369729E+18	0,000000E+00	0,000000E+00	4,369254E+18	5,161874E+20
-451	2,270858E+21	4,798308E+21	6,549059E+21	6,549048E+21	4,798410E+21	2,271018E+21	5,162695E+20	4,372861E+18	0,000000E+00	0,000000E+00	4,373689E+18	5,163500E+20
-450	2,271136E+21	4,798442E+21	6,548889E+21	6,548727E+21	4,798096E+21	2,270875E+21	5,162261E+20	4,369548E+18	0,000000E+00	0,000000E+00	4,371308E+18	5,162950E+20
-449	2,270903E+21	4,797927E+21	6,548384E+21	6,548622E+21	4,798319E+21	2,271137E+21	5,163994E+20	4,375699E+18	0,000000E+00	0,000000E+00	4,375274E+18	5,162584E+20
-448	2,270877E+21	4,798039E+21	6,548476E+21	6,548446E+21	4,797935E+21	2,270832E+21	5,162684E+20	4,376415E+18	0,000000E+00	0,000000E+00	4,377888E+18	5,164158E+20
-447	2,271046E+21	4,797981E+21	6,548105E+21	6,547950E+21	4,797681E+21	2,270858E+21	5,163429E+20	4,376928E+18	0,000000E+00	0,000000E+00	4,377368E+18	5,162970E+20
-446	2,270689E+21	4,797430E+21	6,547838E+21	6,547956E+21	4,797730E+21	2,270947E+21	5,164393E+20	4,383273E+18	0,000000E+00	0,000000E+00	4,381823E+18	5,163488E+20
-445	2,270824E+21	4,797621E+21	6,547870E+21	6,547750E+21	4,797308E+21	2,270615E+21	5,162975E+20	4,381541E+18	0,000000E+00	0,000000E+00	4,383946E+18	5,164580E+20

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	2,270855E+21	4,797360E+21	6,547345E+21	6,547412E+21	4,797419E+21	2,270852E+21	5,164393E+20	4,383922E+18	0,000000E+00	0,000000E+00	4,383365E+18	5,163270E+20
-443	2,270586E+21	4,797160E+21	6,547472E+21	6,547527E+21	4,797374E+21	2,270787E+21	5,164096E+20	4,385414E+18	0,000000E+00	0,000000E+00	4,386327E+18	5,164513E+20
-442	2,270903E+21	4,797495E+21	6,547529E+21	6,547348E+21	4,797074E+21	2,270581E+21	5,163140E+20	4,382514E+18	0,000000E+00	0,000000E+00	4,384179E+18	5,164207E+20
-441	2,270743E+21	4,797181E+21	6,547248E+21	6,547428E+21	4,797481E+21	2,270916E+21	5,164746E+20	4,384130E+18	0,000000E+00	0,000000E+00	4,381853E+18	5,163030E+20
-440	2,270633E+21	4,797361E+21	6,547713E+21	6,547718E+21	4,797436E+21	2,270731E+21	5,163497E+20	4,383472E+18	0,000000E+00	0,000000E+00	4,383954E+18	5,164445E+20
-439	2,270924E+21	4,797615E+21	6,547736E+21	6,547627E+21	4,797404E+21	2,270752E+21	5,163396E+20	4,379740E+18	0,000000E+00	0,000000E+00	4,378580E+18	5,163299E+20
-438	2,270685E+21	4,797327E+21	6,547701E+21	6,547943E+21	4,797804E+21	2,270984E+21	5,164375E+20	4,380589E+18	0,000000E+00	0,000000E+00	4,379213E+18	5,163117E+20
-437	2,270857E+21	4,797823E+21	6,548168E+21	6,548125E+21	4,797663E+21	2,270727E+21	5,162610E+20	4,377957E+18	0,000000E+00	0,000000E+00	4,379399E+18	5,164297E+20
-436	2,271040E+21	4,797954E+21	6,548083E+21	6,548038E+21	4,797858E+21	2,270939E+21	5,163419E+20	4,374526E+18	0,000000E+00	0,000000E+00	4,373908E+18	5,162607E+20
-435	2,270771E+21	4,797824E+21	6,548387E+21	6,548420E+21	4,798031E+21	2,270989E+21	5,163627E+20	4,377406E+18	0,000000E+00	0,000000E+00	4,377315E+18	5,163320E+20
-434	2,271030E+21	4,798200E+21	6,548610E+21	6,548456E+21	4,797809E+21	2,270736E+21	5,162231E+20	4,373768E+18	0,000000E+00	0,000000E+00	4,374467E+18	5,163509E+20
-433	2,270929E+21	4,797892E+21	6,548190E+21	6,548347E+21	4,798127E+21	2,271053E+21	5,163901E+20	4,375396E+18	0,000000E+00	0,000000E+00	4,374920E+18	5,162405E+20
-432	2,270731E+21	4,797782E+21	6,548359E+21	6,548439E+21	4,798020E+21	2,270930E+21	5,163276E+20	4,378854E+18	0,000000E+00	0,000000E+00	4,379182E+18	5,163970E+20
-431	2,271019E+21	4,797965E+21	6,548190E+21	6,548032E+21	4,797640E+21	2,270776E+21	5,162854E+20	4,375648E+18	0,000000E+00	0,000000E+00	4,377122E+18	5,163490E+20
-430	2,270789E+21	4,797459E+21	6,547694E+21	6,547858E+21	4,797754E+21	2,270985E+21	5,164532E+20	4,381998E+18	0,000000E+00	0,000000E+00	4,381042E+18	5,163033E+20
-429	2,270745E+21	4,797568E+21	6,547844E+21	6,547767E+21	4,797399E+21	2,270674E+21	5,163158E+20	4,382394E+18	0,000000E+00	0,000000E+00	4,384085E+18	5,164633E+20
-428	2,270904E+21	4,797486E+21	6,547438E+21	6,547286E+21	4,797193E+21	2,270715E+21	5,163895E+20	4,383181E+18	0,000000E+00	0,000000E+00	4,383973E+18	5,163544E+20
-427	2,270556E+21	4,796957E+21	6,547198E+21	6,547307E+21	4,797255E+21	2,270807E+21	5,164781E+20	4,388736E+18	0,000000E+00	0,000000E+00	4,388084E+18	5,164106E+20
-426	2,270724E+21	4,797168E+21	6,547233E+21	6,547128E+21	4,796862E+21	2,270480E+21	5,163292E+20	4,386447E+18	0,000000E+00	0,000000E+00	4,389526E+18	5,165056E+20
-425	2,270741E+21	4,796912E+21	6,546709E+21	6,546767E+21	4,796982E+21	2,270747E+21	5,164862E+20	4,389045E+18	0,000000E+00	0,000000E+00	4,388441E+18	5,163737E+20
-424	2,270484E+21	4,796728E+21	6,546881E+21	6,546969E+21	4,796997E+21	2,270702E+21	5,164642E+20	4,390803E+18	0,000000E+00	0,000000E+00	4,390644E+18	5,164739E+20
-423	2,270769E+21	4,797090E+21	6,546995E+21	6,546803E+21	4,796691E+21	2,270500E+21	5,163695E+20	4,388041E+18	0,000000E+00	0,000000E+00	4,388642E+18	5,164515E+20
-422	2,270600E+21	4,796737E+21	6,546684E+21	6,546851E+21	4,797047E+21	2,270793E+21	5,165196E+20	4,389387E+18	0,000000E+00	0,000000E+00	4,386590E+18	5,163414E+20
-421	2,270514E+21	4,796921E+21	6,547137E+21	6,547165E+21	4,797041E+21	2,270619E+21	5,163849E+20	4,388219E+18	0,000000E+00	0,000000E+00	4,389254E+18	5,164954E+20
-420	2,270841E+21	4,797221E+21	6,547152E+21	6,547048E+21	4,797011E+21	2,270647E+21	5,163727E+20	4,384199E+18	0,000000E+00	0,000000E+00	4,383812E+18	5,163863E+20
-419	2,270633E+21	4,797033E+21	6,547222E+21	6,547393E+21	4,797384E+21	2,270856E+21	5,164634E+20	4,384588E+18	0,000000E+00	0,000000E+00	4,383956E+18	5,163571E+20
-418	2,270797E+21	4,797531E+21	6,547731E+21	6,547631E+21	4,797277E+21	2,270605E+21	5,162866E+20	4,381974E+18	0,000000E+00	0,000000E+00	4,383301E+18	5,164500E+20
-417	2,270911E+21	4,797587E+21	6,547632E+21	6,547557E+21	4,797493E+21	2,270844E+21	5,163857E+20	4,379329E+18	0,000000E+00	0,000000E+00	4,378384E+18	5,162919E+20
-416	2,270632E+21	4,797364E+21	6,547847E+21	6,547975E+21	4,797726E+21	2,270915E+21	5,164155E+20	4,382921E+18	0,000000E+00	0,000000E+00	4,381933E+18	5,163587E+20
-415	2,270876E+21	4,797715E+21	6,547993E+21	6,547899E+21	4,797461E+21	2,270670E+21	5,162776E+20	4,379293E+18	0,000000E+00	0,000000E+00	4,379865E+18	5,164012E+20
-414	2,270805E+21	4,797396E+21	6,547504E+21	6,547649E+21	4,797637E+21	2,270930E+21	5,164392E+20	4,381064E+18	0,000000E+00	0,000000E+00	4,380761E+18	5,162975E+20
-413	2,270639E+21	4,797319E+21	6,547665E+21	6,547720E+21	4,797512E+21	2,270795E+21	5,163720E+20	4,384266E+18	0,000000E+00	0,000000E+00	4,385143E+18	5,164507E+20
-412	2,270920E+21	4,797528E+21	6,547521E+21	6,547308E+21	4,797118E+21	2,270636E+21	5,163329E+20	4,381544E+18	0,000000E+00	0,000000E+00	4,383343E+18	5,164039E+20
-411	2,270682E+21	4,797059E+21	6,547121E+21	6,547192E+21	4,797206E+21	2,270810E+21	5,164913E+20	4,387743E+18	0,000000E+00	0,000000E+00	4,387106E+18	5,163549E+20
-410	2,270620E+21	4,797102E+21	6,547235E+21	6,547155E+21	4,796920E+21	2,270516E+21	5,163514E+20	4,387945E+18	0,000000E+00	0,000000E+00	4,389955E+18	5,165075E+20
-409	2,270752E+21	4,796970E+21	6,546772E+21	6,546643E+21	4,796749E+21	2,270601E+21	5,164392E+20	4,389168E+18	0,000000E+00	0,000000E+00	4,390235E+18	5,164155E+20

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												
-408	2,270443E+21	4,796444E+21	6,546507E+21	6,546692E+21	4,796851E+21	2,270716E+21	5,165355E+20	4,394697E+18	0,000000E+00	0,000000E+00	4,393462E+18	5,164513E+20
-407	2,270603E+21	4,796715E+21	6,546583E+21	6,546480E+21	4,796441E+21	2,270400E+21	5,163899E+20	4,392395E+18	0,000000E+00	0,000000E+00	4,394812E+18	5,165452E+20
-406	2,270608E+21	4,796455E+21	6,546084E+21	6,546092E+21	4,796482E+21	2,270623E+21	5,165407E+20	4,394881E+18	0,000000E+00	0,000000E+00	4,393272E+18	5,164059E+20
-405	2,270344E+21	4,796261E+21	6,546284E+21	6,546370E+21	4,796544E+21	2,270580E+21	5,165110E+20	4,396212E+18	0,000000E+00	0,000000E+00	4,395847E+18	5,165079E+20
-404	2,270624E+21	4,796618E+21	6,546383E+21	6,546224E+21	4,796282E+21	2,270387E+21	5,164110E+20	4,393316E+18	0,000000E+00	0,000000E+00	4,394133E+18	5,165021E+20
-403	2,270498E+21	4,796346E+21	6,546134E+21	6,546281E+21	4,796618E+21	2,270659E+21	5,165444E+20	4,393581E+18	0,000000E+00	0,000000E+00	4,391792E+18	5,163977E+20
-402	2,270455E+21	4,796576E+21	6,546619E+21	6,546637E+21	4,796649E+21	2,270496E+21	5,164057E+20	4,392025E+18	0,000000E+00	0,000000E+00	4,393753E+18	5,165359E+20
-401	2,270766E+21	4,796893E+21	6,546663E+21	6,546533E+21	4,796646E+21	2,270553E+21	5,164070E+20	4,388300E+18	0,000000E+00	0,000000E+00	4,388125E+18	5,164273E+20
-400	2,270558E+21	4,796697E+21	6,546767E+21	6,546956E+21	4,797069E+21	2,270782E+21	5,165093E+20	4,389330E+18	0,000000E+00	0,000000E+00	4,387742E+18	5,163743E+20
-399	2,270672E+21	4,797172E+21	6,547279E+21	6,547184E+21	4,796956E+21	2,270539E+21	5,163389E+20	4,387148E+18	0,000000E+00	0,000000E+00	4,387643E+18	5,164776E+20
-398	2,270760E+21	4,797125E+21	6,547066E+21	6,547010E+21	4,797088E+21	2,270736E+21	5,164335E+20	4,384698E+18	0,000000E+00	0,000000E+00	4,383525E+18	5,163358E+20
-397	2,270510E+21	4,796876E+21	6,547191E+21	6,547363E+21	4,797313E+21	2,270815E+21	5,164596E+20	4,388149E+18	0,000000E+00	0,000000E+00	4,387834E+18	5,164140E+20
-396	2,270773E+21	4,797252E+21	6,547304E+21	6,547207E+21	4,796989E+21	2,270554E+21	5,163221E+20	4,384623E+18	0,000000E+00	0,000000E+00	4,385980E+18	5,164635E+20
-395	2,270733E+21	4,797021E+21	6,546888E+21	6,546944E+21	4,797094E+21	2,270767E+21	5,164719E+20	4,386172E+18	0,000000E+00	0,000000E+00	4,386559E+18	5,163508E+20
-394	2,270556E+21	4,796942E+21	6,547094E+21	6,547079E+21	4,797000E+21	2,270634E+21	5,164047E+20	4,389363E+18	0,000000E+00	0,000000E+00	4,390263E+18	5,164831E+20
-393	2,270775E+21	4,797074E+21	6,546936E+21	6,546704E+21	4,796650E+21	2,270503E+21	5,163817E+20	4,387501E+18	0,000000E+00	0,000000E+00	4,389097E+18	5,164487E+20
-392	2,270535E+21	4,796537E+21	6,546488E+21	6,546649E+21	4,796817E+21	2,270709E+21	5,165469E+20	4,394022E+18	0,000000E+00	0,000000E+00	4,392578E+18	5,163925E+20
-391	2,270463E+21	4,796587E+21	6,546570E+21	6,546540E+21	4,796518E+21	2,270439E+21	5,164137E+20	4,394136E+18	0,000000E+00	0,000000E+00	4,395967E+18	5,165588E+20
-390	2,270609E+21	4,796436E+21	6,546056E+21	6,545938E+21	4,796249E+21	2,270482E+21	5,164964E+20	4,395375E+18	0,000000E+00	0,000000E+00	4,396204E+18	5,164695E+20
-389	2,270334E+21	4,795961E+21	6,545800E+21	6,545985E+21	4,796368E+21	2,270603E+21	5,165873E+20	4,400355E+18	0,000000E+00	0,000000E+00	4,399258E+18	5,164957E+20
-388	2,270475E+21	4,796257E+21	6,545924E+21	6,545789E+21	4,795950E+21	2,270281E+21	5,164422E+20	4,398285E+18	0,000000E+00	0,000000E+00	4,400595E+18	5,165907E+20
-387	2,270490E+21	4,796046E+21	6,545515E+21	6,545471E+21	4,795973E+21	2,270461E+21	5,165748E+20	4,400050E+18	0,000000E+00	0,000000E+00	4,398674E+18	5,164542E+20
-386	2,270234E+21	4,795834E+21	6,545702E+21	6,545808E+21	4,796112E+21	2,270434E+21	5,165373E+20	4,400820E+18	0,000000E+00	0,000000E+00	4,400973E+18	5,165512E+20
-385	2,270510E+21	4,796186E+21	6,545794E+21	6,545663E+21	4,795894E+21	2,270284E+21	5,164472E+20	4,397964E+18	0,000000E+00	0,000000E+00	4,399363E+18	5,165611E+20
-384	2,270435E+21	4,795970E+21	6,545598E+21	6,545791E+21	4,796273E+21	2,270572E+21	5,165831E+20	4,398062E+18	0,000000E+00	0,000000E+00	4,396066E+18	5,164337E+20
-383	2,270380E+21	4,796268E+21	6,546146E+21	6,546141E+21	4,796309E+21	2,270429E+21	5,164533E+20	4,396721E+18	0,000000E+00	0,000000E+00	4,397940E+18	5,165648E+20
-382	2,270655E+21	4,796541E+21	6,546199E+21	6,546025E+21	4,796244E+21	2,270450E+21	5,164519E+20	4,393145E+18	0,000000E+00	0,000000E+00	4,392178E+18	5,164525E+20
-381	2,270438E+21	4,796303E+21	6,546257E+21	6,546459E+21	4,796703E+21	2,270690E+21	5,165534E+20	4,394295E+18	0,000000E+00	0,000000E+00	4,392476E+18	5,164015E+20
-380	2,270519E+21	4,796711E+21	6,546690E+21	6,546648E+21	4,796592E+21	2,270451E+21	5,163842E+20	4,392303E+18	0,000000E+00	0,000000E+00	4,392940E+18	5,165235E+20
-379	2,270652E+21	4,796715E+21	6,546479E+21	6,546417E+21	4,796636E+21	2,270601E+21	5,164629E+20	4,389172E+18	0,000000E+00	0,000000E+00	4,389107E+18	5,163951E+20
-378	2,270438E+21	4,796477E+21	6,546572E+21	6,546741E+21	4,796853E+21	2,270676E+21	5,164879E+20	4,392582E+18	0,000000E+00	0,000000E+00	4,392944E+18	5,164590E+20
-377	2,270675E+21	4,796853E+21	6,546701E+21	6,546576E+21	4,796537E+21	2,270438E+21	5,163653E+20	4,389607E+18	0,000000E+00	0,000000E+00	4,391307E+18	5,165135E+20
-376	2,270638E+21	4,796618E+21	6,546333E+21	6,546385E+21	4,796660E+21	2,270651E+21	5,165224E+20	4,392010E+18	0,000000E+00	0,000000E+00	4,391458E+18	5,163785E+20
-375	2,270409E+21	4,796505E+21	6,546532E+21	6,546517E+21	4,796576E+21	2,270531E+21	5,164649E+20	4,395653E+18	0,000000E+00	0,000000E+00	4,395756E+18	5,165198E+20
-374	2,270599E+21	4,796527E+21	6,546257E+21	6,546068E+21	4,796176E+21	2,270375E+21	5,164388E+20	4,394152E+18	0,000000E+00	0,000000E+00	4,395390E+18	5,165024E+20
-373	2,270396E+21	4,795987E+21	6,545731E+21	6,545941E+21	4,796348E+21	2,270602E+21	5,166023E+20	4,400331E+18	0,000000E+00	0,000000E+00	4,399251E+18	5,164524E+20

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												
-372	2,270333E+21	4,796060E+21	6,545811E+21	6,545795E+21	4,796015E+21	2,270326E+21	5,164720E+20	4,400381E+18	0,000000E+00	0,000000E+00	4,402634E+18	5,166205E+20
-371	2,270513E+21	4,796005E+21	6,545383E+21	6,545207E+21	4,795686E+21	2,270321E+21	5,165372E+20	4,401003E+18	0,000000E+00	0,000000E+00	4,402324E+18	5,165246E+20
-370	2,270232E+21	4,795538E+21	6,545173E+21	6,545325E+21	4,795854E+21	2,270444E+21	5,166225E+20	4,405459E+18	0,000000E+00	0,000000E+00	4,404494E+18	5,165309E+20
-369	2,270323E+21	4,795787E+21	6,545315E+21	6,545191E+21	4,795502E+21	2,270153E+21	5,164854E+20	4,403707E+18	0,000000E+00	0,000000E+00	4,406121E+18	5,166388E+20
-368	2,270364E+21	4,795573E+21	6,544921E+21	6,544954E+21	4,795598E+21	2,270355E+21	5,166158E+20	4,405220E+18	0,000000E+00	0,000000E+00	4,403425E+18	5,164934E+20
-367	2,270124E+21	4,795431E+21	6,545143E+21	6,545271E+21	4,795747E+21	2,270354E+21	5,165843E+20	4,405731E+18	0,000000E+00	0,000000E+00	4,405887E+18	5,165963E+20
-366	2,270410E+21	4,795782E+21	6,545220E+21	6,545094E+21	4,795485E+21	2,270181E+21	5,164919E+20	4,402899E+18	0,000000E+00	0,000000E+00	4,403860E+18	5,166030E+20
-365	2,270362E+21	4,795630E+21	6,545070E+21	6,545247E+21	4,795902E+21	2,270488E+21	5,166256E+20	4,402659E+18	0,000000E+00	0,000000E+00	4,400525E+18	5,164645E+20
-364	2,270270E+21	4,795921E+21	6,545662E+21	6,545622E+21	4,795927E+21	2,270342E+21	5,165023E+20	4,401786E+18	0,000000E+00	0,000000E+00	4,402536E+18	5,165949E+20
-363	2,270538E+21	4,796185E+21	6,545726E+21	6,545536E+21	4,795831E+21	2,270315E+21	5,164824E+20	4,397622E+18	0,000000E+00	0,000000E+00	4,396929E+18	5,164923E+20
-362	2,270327E+21	4,795901E+21	6,545703E+21	6,545951E+21	4,796328E+21	2,270566E+21	5,165786E+20	4,398533E+18	0,000000E+00	0,000000E+00	4,397401E+18	5,164430E+20
-361	2,270397E+21	4,796270E+21	6,546080E+21	6,546080E+21	4,796207E+21	2,270353E+21	5,164219E+20	4,396873E+18	0,000000E+00	0,000000E+00	4,398202E+18	5,165797E+20
-360	2,270573E+21	4,796311E+21	6,545898E+21	6,545871E+21	4,796242E+21	2,270498E+21	5,165052E+20	4,394078E+18	0,000000E+00	0,000000E+00	4,393777E+18	5,164337E+20
-359	2,270347E+21	4,796127E+21	6,546033E+21	6,546158E+21	4,796431E+21	2,270579E+21	5,165414E+20	4,398059E+18	0,000000E+00	0,000000E+00	4,397775E+18	5,164916E+20
-358	2,270533E+21	4,796413E+21	6,546121E+21	6,545966E+21	4,796059E+21	2,270310E+21	5,164203E+20	4,395606E+18	0,000000E+00	0,000000E+00	4,396477E+18	5,165497E+20
-357	2,270494E+21	4,796140E+21	6,545700E+21	6,545776E+21	4,796221E+21	2,270535E+21	5,165734E+20	4,398191E+18	0,000000E+00	0,000000E+00	4,397485E+18	5,164219E+20
-356	2,270244E+21	4,795971E+21	6,545831E+21	6,545861E+21	4,796125E+21	2,270422E+21	5,165207E+20	4,401877E+18	0,000000E+00	0,000000E+00	4,402311E+18	5,165798E+20
-355	2,270481E+21	4,796041E+21	6,545557E+21	6,545373E+21	4,795653E+21	2,270221E+21	5,164779E+20	4,399768E+18	0,000000E+00	0,000000E+00	4,402210E+18	5,165726E+20
-354	2,270310E+21	4,795532E+21	6,545020E+21	6,545234E+21	4,795836E+21	2,270450E+21	5,166385E+20	4,405546E+18	0,000000E+00	0,000000E+00	4,405244E+18	5,165066E+20
-353	2,270214E+21	4,795601E+21	6,545137E+21	6,545104E+21	4,795523E+21	2,270202E+21	5,165214E+20	4,405944E+18	0,000000E+00	0,000000E+00	4,408531E+18	5,166725E+20
-352	2,270398E+21	4,795559E+21	6,544788E+21	6,544612E+21	4,795224E+21	2,270195E+21	5,165892E+20	4,406956E+18	0,000000E+00	0,000000E+00	4,407398E+18	5,165584E+20
-351	2,270089E+21	4,795092E+21	6,544582E+21	6,544741E+21	4,795423E+21	2,270334E+21	5,166776E+20	4,411339E+18	0,000000E+00	0,000000E+00	4,409727E+18	5,165690E+20
-350	2,270162E+21	4,795269E+21	6,544651E+21	6,544569E+21	4,795059E+21	2,270036E+21	5,165367E+20	4,409656E+18	0,000000E+00	0,000000E+00	4,411621E+18	5,166903E+20
-349	2,270262E+21	4,795126E+21	6,544262E+21	6,544311E+21	4,795177E+21	2,270255E+21	5,166601E+20	4,410560E+18	0,000000E+00	0,000000E+00	4,408822E+18	5,165422E+20
-348	2,270026E+21	4,795030E+21	6,544545E+21	6,544657E+21	4,795323E+21	2,270257E+21	5,166345E+20	4,410996E+18	0,000000E+00	0,000000E+00	4,411025E+18	5,166410E+20
-347	2,270337E+21	4,795464E+21	6,544727E+21	6,544546E+21	4,795041E+21	2,270043E+21	5,165238E+20	4,407493E+18	0,000000E+00	0,000000E+00	4,408489E+18	5,166396E+20
-346	2,270267E+21	4,795297E+21	6,544603E+21	6,544760E+21	4,795509E+21	2,270357E+21	5,166538E+20	4,406824E+18	0,000000E+00	0,000000E+00	4,404709E+18	5,164881E+20
-345	2,270121E+21	4,795503E+21	6,545159E+21	6,545164E+21	4,795595E+21	2,270251E+21	5,165408E+20	4,406317E+18	0,000000E+00	0,000000E+00	4,407193E+18	5,166317E+20
-344	2,270408E+21	4,795751E+21	6,545202E+21	6,545090E+21	4,795517E+21	2,270231E+21	5,165202E+20	4,402086E+18	0,000000E+00	0,000000E+00	4,401264E+18	5,165289E+20
-343	2,270221E+21	4,795513E+21	6,545147E+21	6,545413E+21	4,795973E+21	2,270488E+21	5,166234E+20	4,403194E+18	0,000000E+00	0,000000E+00	4,402219E+18	5,164863E+20
-342	2,270288E+21	4,795841E+21	6,545464E+21	6,545471E+21	4,795783E+21	2,270247E+21	5,164683E+20	4,401928E+18	0,000000E+00	0,000000E+00	4,403011E+18	5,166252E+20
-341	2,270491E+21	4,795937E+21	6,545301E+21	6,545238E+21	4,795810E+21	2,270391E+21	5,165503E+20	4,399432E+18	0,000000E+00	0,000000E+00	4,398989E+18	5,164731E+20
-340	2,270223E+21	4,795719E+21	6,545470E+21	6,545550E+21	4,795967E+21	2,270458E+21	5,165957E+20	4,404054E+18	0,000000E+00	0,000000E+00	4,403373E+18	5,165359E+20
-339	2,270410E+21	4,795981E+21	6,545536E+21	6,545369E+21	4,795570E+21	2,270146E+21	5,164576E+20	4,401163E+18	0,000000E+00	0,000000E+00	4,402671E+18	5,166068E+20
-338	2,270378E+21	4,795671E+21	6,545039E+21	6,545143E+21	4,795755E+21	2,270385E+21	5,166069E+20	4,403543E+18	0,000000E+00	0,000000E+00	4,403816E+18	5,164824E+20
-337	2,270120E+21	4,795471E+21	6,545126E+21	6,545183E+21	4,795661E+21	2,270305E+21	5,165678E+20	4,407367E+18	0,000000E+00	0,000000E+00	4,408738E+18	5,166448E+20

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												
-336	2,270382E+21	4,795580E+21	6,544900E+21	6,544730E+21	4,795191E+21	2,270102E+21	5,165290E+20	4,405600E+18	0,000000E+00	0,000000E+00	4,407884E+18	5,166178E+20
-335	2,270197E+21	4,795122E+21	6,544405E+21	6,544570E+21	4,795364E+21	2,270341E+21	5,166975E+20	4,411644E+18	0,000000E+00	0,000000E+00	4,410566E+18	5,165414E+20
-334	2,270044E+21	4,795079E+21	6,544468E+21	6,544435E+21	4,795025E+21	2,270072E+21	5,165831E+20	4,412503E+18	0,000000E+00	0,000000E+00	4,413882E+18	5,167068E+20
-333	2,270237E+21	4,795033E+21	6,544092E+21	6,543956E+21	4,794780E+21	2,270082E+21	5,166432E+20	4,413354E+18	0,000000E+00	0,000000E+00	4,413141E+18	5,166005E+20
-332	2,269929E+21	4,794572E+21	6,543902E+21	6,544081E+21	4,794965E+21	2,270220E+21	5,167316E+20	4,417298E+18	0,000000E+00	0,000000E+00	4,415596E+18	5,166249E+20
-331	2,270064E+21	4,794830E+21	6,544011E+21	6,543917E+21	4,794571E+21	2,269890E+21	5,165720E+20	4,414756E+18	0,000000E+00	0,000000E+00	4,417399E+18	5,167498E+20
-330	2,270197E+21	4,794764E+21	6,543689E+21	6,543719E+21	4,794743E+21	2,270118E+21	5,166858E+20	4,414773E+18	0,000000E+00	0,000000E+00	4,413719E+18	5,165865E+20
-329	2,269936E+21	4,794684E+21	6,544040E+21	6,544118E+21	4,794935E+21	2,270155E+21	5,166727E+20	4,415457E+18	0,000000E+00	0,000000E+00	4,415705E+18	5,166776E+20
-328	2,270231E+21	4,795109E+21	6,544296E+21	6,544125E+21	4,794704E+21	2,269946E+21	5,165636E+20	4,412211E+18	0,000000E+00	0,000000E+00	4,412422E+18	5,166618E+20
-327	2,270137E+21	4,794926E+21	6,544137E+21	6,544315E+21	4,795193E+21	2,270274E+21	5,166966E+20	4,411498E+18	0,000000E+00	0,000000E+00	4,409112E+18	5,165197E+20
-326	2,269969E+21	4,795013E+21	6,544550E+21	6,544622E+21	4,795237E+21	2,270162E+21	5,165858E+20	4,411324E+18	0,000000E+00	0,000000E+00	4,411960E+18	5,166763E+20
-325	2,270313E+21	4,795328E+21	6,544570E+21	6,544476E+21	4,795138E+21	2,270146E+21	5,165618E+20	4,406900E+18	0,000000E+00	0,000000E+00	4,406316E+18	5,165772E+20
-324	2,270135E+21	4,795137E+21	6,544565E+21	6,544779E+21	4,795531E+21	2,270381E+21	5,166709E+20	4,408342E+18	0,000000E+00	0,000000E+00	4,407426E+18	5,165350E+20
-323	2,270221E+21	4,795509E+21	6,544939E+21	6,544861E+21	4,795297E+21	2,270096E+21	5,165026E+20	4,406776E+18	0,000000E+00	0,000000E+00	4,408144E+18	5,166697E+20
-322	2,270399E+21	4,795576E+21	6,544788E+21	6,544682E+21	4,795358E+21	2,270234E+21	5,165783E+20	4,404260E+18	0,000000E+00	0,000000E+00	4,404249E+18	5,165125E+20
-321	2,270083E+21	4,795268E+21	6,544897E+21	6,545003E+21	4,795566E+21	2,270338E+21	5,166351E+20	4,409283E+18	0,000000E+00	0,000000E+00	4,409107E+18	5,165861E+20
-320	2,270280E+21	4,795507E+21	6,544944E+21	6,544829E+21	4,795182E+21	2,270039E+21	5,165024E+20	4,406573E+18	0,000000E+00	0,000000E+00	4,408231E+18	5,166547E+20
-319	2,270262E+21	4,795222E+21	6,544407E+21	6,544514E+21	4,795329E+21	2,270290E+21	5,166624E+20	4,409365E+18	0,000000E+00	0,000000E+00	4,409537E+18	5,165312E+20
-318	2,269979E+21	4,794947E+21	6,544409E+21	6,544485E+21	4,795188E+21	2,270198E+21	5,166306E+20	4,413624E+18	0,000000E+00	0,000000E+00	4,414281E+18	5,166879E+20
-317	2,270255E+21	4,795107E+21	6,544198E+21	6,543996E+21	4,794705E+21	2,269995E+21	5,165917E+20	4,412284E+18	0,000000E+00	0,000000E+00	4,413757E+18	5,166562E+20
-316	2,270031E+21	4,794610E+21	6,543731E+21	6,543858E+21	4,794841E+21	2,270210E+21	5,167622E+20	4,418540E+18	0,000000E+00	0,000000E+00	4,416531E+18	5,165879E+20
-315	2,269901E+21	4,794557E+21	6,543774E+21	6,543749E+21	4,794497E+21	2,269901E+21	5,166244E+20	4,418566E+18	0,000000E+00	0,000000E+00	4,420339E+18	5,167665E+20
-314	2,270121E+21	4,794537E+21	6,543390E+21	6,543271E+21	4,794281E+21	2,269920E+21	5,166731E+20	4,418654E+18	0,000000E+00	0,000000E+00	4,419359E+18	5,166634E+20
-313	2,269829E+21	4,794117E+21	6,543247E+21	6,543428E+21	4,794505E+21	2,270092E+21	5,167686E+20	4,422200E+18	0,000000E+00	0,000000E+00	4,421439E+18	5,166855E+20
-312	2,269990E+21	4,794459E+21	6,543483E+21	6,543369E+21	4,794165E+21	2,269779E+21	5,166131E+20	4,419755E+18	0,000000E+00	0,000000E+00	4,422189E+18	5,167863E+20
-311	2,270103E+21	4,794442E+21	6,543236E+21	6,543209E+21	4,794366E+21	2,270025E+21	5,167308E+20	4,419599E+18	0,000000E+00	0,000000E+00	4,417978E+18	5,166112E+20
-310	2,269784E+21	4,794241E+21	6,543516E+21	6,543620E+21	4,794572E+21	2,270063E+21	5,167223E+20	4,420644E+18	0,000000E+00	0,000000E+00	4,419967E+18	5,167010E+20
-309	2,270089E+21	4,794663E+21	6,543714E+21	6,543599E+21	4,794383E+21	2,269874E+21	5,166070E+20	4,417273E+18	0,000000E+00	0,000000E+00	4,417092E+18	5,166950E+20
-308	2,270000E+21	4,794479E+21	6,543552E+21	6,543742E+21	4,794814E+21	2,270189E+21	5,167421E+20	4,416313E+18	0,000000E+00	0,000000E+00	4,414113E+18	5,165714E+20
-307	2,269899E+21	4,794620E+21	6,543960E+21	6,544019E+21	4,794801E+21	2,270031E+21	5,166148E+20	4,415635E+18	0,000000E+00	0,000000E+00	4,417021E+18	5,167300E+20
-306	2,270262E+21	4,795001E+21	6,544036E+21	6,543895E+21	4,794706E+21	2,270008E+21	5,165850E+20	4,410834E+18	0,000000E+00	0,000000E+00	4,411087E+18	5,166237E+20
-305	2,270061E+21	4,794815E+21	6,544088E+21	6,544235E+21	4,795110E+21	2,270259E+21	5,167052E+20	4,412869E+18	0,000000E+00	0,000000E+00	4,412371E+18	5,165762E+20
-304	2,270119E+21	4,795153E+21	6,544507E+21	6,544404E+21	4,794919E+21	2,269982E+21	5,165446E+20	4,411854E+18	0,000000E+00	0,000000E+00	4,412719E+18	5,167006E+20
-303	2,270272E+21	4,795178E+21	6,544290E+21	6,544188E+21	4,794997E+21	2,270134E+21	5,166235E+20	4,409674E+18	0,000000E+00	0,000000E+00	4,409556E+18	5,165532E+20
-302	2,269929E+21	4,794735E+21	6,544217E+21	6,544381E+21	4,795157E+21	2,270245E+21	5,166907E+20	4,415259E+18	0,000000E+00	0,000000E+00	4,414643E+18	5,166322E+20
-301	2,270157E+21	4,795007E+21	6,544214E+21	6,544129E+21	4,794754E+21	2,269953E+21	5,165613E+20	4,412824E+18	0,000000E+00	0,000000E+00	4,414191E+18	5,167014E+20

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												
-300	2,270129E+21	4,794738E+21	6,543725E+21	6,543783E+21	4,794818E+21	2,270175E+21	5,167272E+20	4,416032E+18	0,000000E+00	0,000000E+00	4,415619E+18	5,165829E+20
-299	2,269862E+21	4,794460E+21	6,543719E+21	6,543749E+21	4,794626E+21	2,270035E+21	5,166801E+20	4,419811E+18	0,000000E+00	0,000000E+00	4,420358E+18	5,167346E+20
-298	2,270115E+21	4,794608E+21	6,543525E+21	6,543308E+21	4,794173E+21	2,269824E+21	5,166303E+20	4,418115E+18	0,000000E+00	0,000000E+00	4,420058E+18	5,167084E+20
-297	2,269882E+21	4,794087E+21	6,543042E+21	6,543184E+21	4,794348E+21	2,270061E+21	5,168000E+20	4,424112E+18	0,000000E+00	0,000000E+00	4,422896E+18	5,166495E+20
-296	2,269784E+21	4,794076E+21	6,543141E+21	6,543125E+21	4,794043E+21	2,269772E+21	5,166649E+20	4,423920E+18	0,000000E+00	0,000000E+00	4,426167E+18	5,168212E+20
-295	2,270033E+21	4,794135E+21	6,542805E+21	6,542666E+21	4,793849E+21	2,269806E+21	5,167147E+20	4,423845E+18	0,000000E+00	0,000000E+00	4,424721E+18	5,167110E+20
-294	2,269720E+21	4,793679E+21	6,542632E+21	6,542819E+21	4,794085E+21	2,269991E+21	5,168188E+20	4,427531E+18	0,000000E+00	0,000000E+00	4,426191E+18	5,167202E+20
-293	2,269884E+21	4,794073E+21	6,542920E+21	6,542789E+21	4,793789E+21	2,269703E+21	5,166682E+20	4,425482E+18	0,000000E+00	0,000000E+00	4,426955E+18	5,168116E+20
-292	2,269951E+21	4,794013E+21	6,542720E+21	6,542676E+21	4,793970E+21	2,269931E+21	5,167858E+20	4,425151E+18	0,000000E+00	0,000000E+00	4,422774E+18	5,166498E+20
-291	2,269663E+21	4,793782E+21	6,542921E+21	6,543062E+21	4,794163E+21	2,269939E+21	5,167568E+20	4,425473E+18	0,000000E+00	0,000000E+00	4,425194E+18	5,167480E+20
-290	2,269989E+21	4,794237E+21	6,543112E+21	6,543012E+21	4,793968E+21	2,269748E+21	5,166313E+20	4,421353E+18	0,000000E+00	0,000000E+00	4,422267E+18	5,167497E+20
-289	2,269927E+21	4,794107E+21	6,542990E+21	6,543153E+21	4,794393E+21	2,270071E+21	5,167699E+20	4,420295E+18	0,000000E+00	0,000000E+00	4,419129E+18	5,166237E+20
-288	2,269844E+21	4,794322E+21	6,543511E+21	6,543511E+21	4,794409E+21	2,269922E+21	5,166503E+20	4,420094E+18	0,000000E+00	0,000000E+00	4,421227E+18	5,167615E+20
-287	2,270180E+21	4,794709E+21	6,543629E+21	6,543423E+21	4,794332E+21	2,269905E+21	5,166263E+20	4,415642E+18	0,000000E+00	0,000000E+00	4,415214E+18	5,166458E+20
-286	2,269910E+21	4,794370E+21	6,543568E+21	6,543752E+21	4,794750E+21	2,270164E+21	5,167550E+20	4,418380E+18	0,000000E+00	0,000000E+00	4,416919E+18	5,166027E+20
-285	2,269972E+21	4,794684E+21	6,543895E+21	6,543852E+21	4,794580E+21	2,269912E+21	5,165985E+20	4,417686E+18	0,000000E+00	0,000000E+00	4,417973E+18	5,167360E+20
-284	2,270114E+21	4,794671E+21	6,543644E+21	6,543557E+21	4,794570E+21	2,270045E+21	5,166816E+20	4,415640E+18	0,000000E+00	0,000000E+00	4,415545E+18	5,166119E+20
-283	2,269832E+21	4,794243E+21	6,543502E+21	6,543679E+21	4,794661E+21	2,270109E+21	5,167336E+20	4,420761E+18	0,000000E+00	0,000000E+00	4,420768E+18	5,166890E+20
-282	2,270060E+21	4,794561E+21	6,543532E+21	6,543407E+21	4,794228E+21	2,269802E+21	5,165997E+20	4,418132E+18	0,000000E+00	0,000000E+00	4,420397E+18	5,167566E+20
-281	2,270014E+21	4,794287E+21	6,543085E+21	6,543083E+21	4,794280E+21	2,270023E+21	5,167712E+20	4,421829E+18	0,000000E+00	0,000000E+00	4,421858E+18	5,166366E+20
-280	2,269735E+21	4,793997E+21	6,543122E+21	6,543129E+21	4,794134E+21	2,269885E+21	5,167253E+20	4,425726E+18	0,000000E+00	0,000000E+00	4,426199E+18	5,167808E+20
-279	2,269980E+21	4,794126E+21	6,542888E+21	6,542679E+21	4,793710E+21	2,269689E+21	5,166743E+20	4,424051E+18	0,000000E+00	0,000000E+00	4,426167E+18	5,167616E+20
-278	2,269742E+21	4,793543E+21	6,542313E+21	6,542498E+21	4,793879E+21	2,269941E+21	5,168494E+20	4,430022E+18	0,000000E+00	0,000000E+00	4,428694E+18	5,167035E+20
-277	2,269686E+21	4,793623E+21	6,542444E+21	6,542435E+21	4,793607E+21	2,269682E+21	5,167227E+20	4,430019E+18	0,000000E+00	0,000000E+00	4,431886E+18	5,168638E+20
-276	2,269913E+21	4,793713E+21	6,542223E+21	6,542034E+21	4,793392E+21	2,269707E+21	5,167754E+20	4,429996E+18	0,000000E+00	0,000000E+00	4,430053E+18	5,167543E+20
-275	2,269612E+21	4,793253E+21	6,542052E+21	6,542221E+21	4,793623E+21	2,269859E+21	5,168633E+20	4,432950E+18	0,000000E+00	0,000000E+00	4,431267E+18	5,167527E+20
-274	2,269744E+21	4,793631E+21	6,542354E+21	6,542242E+21	4,793373E+21	2,269576E+21	5,167029E+20	4,430353E+18	0,000000E+00	0,000000E+00	4,432180E+18	5,168512E+20
-273	2,269814E+21	4,793556E+21	6,542139E+21	6,542128E+21	4,793573E+21	2,269819E+21	5,168171E+20	4,429478E+18	0,000000E+00	0,000000E+00	4,427929E+18	5,167013E+20
-272	2,269568E+21	4,793381E+21	6,542378E+21	6,542534E+21	4,793783E+21	2,269837E+21	5,167900E+20	4,429705E+18	0,000000E+00	0,000000E+00	4,429830E+18	5,167917E+20
-271	2,269920E+21	4,793908E+21	6,542617E+21	6,542501E+21	4,793601E+21	2,269651E+21	5,166648E+20	4,425476E+18	0,000000E+00	0,000000E+00	4,426518E+18	5,167877E+20
-270	2,269840E+21	4,793752E+21	6,542470E+21	6,542617E+21	4,794010E+21	2,269975E+21	5,168115E+20	4,424935E+18	0,000000E+00	0,000000E+00	4,423186E+18	5,166521E+20
-269	2,269751E+21	4,793986E+21	6,543013E+21	6,542996E+21	4,794059E+21	2,269849E+21	5,167042E+20	4,425626E+18	0,000000E+00	0,000000E+00	4,425573E+18	5,167826E+20
-268	2,270032E+21	4,794299E+21	6,543146E+21	6,542945E+21	4,793958E+21	2,269809E+21	5,166786E+20	4,421277E+18	0,000000E+00	0,000000E+00	4,420291E+18	5,166892E+20
-267	2,269792E+21	4,793897E+21	6,542941E+21	6,543173E+21	4,794329E+21	2,270038E+21	5,167917E+20	4,423622E+18	0,000000E+00	0,000000E+00	4,422666E+18	5,166545E+20
-266	2,269862E+21	4,794221E+21	6,543233E+21	6,543207E+21	4,794125E+21	2,269786E+21	5,166322E+20	4,422434E+18	0,000000E+00	0,000000E+00	4,424037E+18	5,167965E+20
-265	2,270023E+21	4,794238E+21	6,542994E+21	6,542883E+21	4,794074E+21	2,269911E+21	5,167194E+20	4,420636E+18	0,000000E+00	0,000000E+00	4,421751E+18	5,166731E+20

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												
-264	2,269749E+21	4,793854E+21	6,542916E+21	6,543034E+21	4,794171E+21	2,269976E+21	5,167783E+20	4,426197E+18	0,000000E+00	0,000000E+00	4,426233E+18	5,167308E+20
-263	2,269941E+21	4,794148E+21	6,542967E+21	6,542799E+21	4,793751E+21	2,269667E+21	5,166469E+20	4,423906E+18	0,000000E+00	0,000000E+00	4,425891E+18	5,167925E+20
-262	2,269845E+21	4,793747E+21	6,542403E+21	6,542444E+21	4,793808E+21	2,269891E+21	5,168225E+20	4,428143E+18	0,000000E+00	0,000000E+00	4,427537E+18	5,166782E+20
-261	2,269586E+21	4,793471E+21	6,542389E+21	6,542451E+21	4,793695E+21	2,269786E+21	5,167851E+20	4,432249E+18	0,000000E+00	0,000000E+00	4,432177E+18	5,168255E+20
-260	2,269827E+21	4,793602E+21	6,542197E+21	6,542001E+21	4,793228E+21	2,269579E+21	5,167357E+20	4,430600E+18	0,000000E+00	0,000000E+00	4,432477E+18	5,168238E+20
-259	2,269648E+21	4,793062E+21	6,541603E+21	6,541794E+21	4,793371E+21	2,269801E+21	5,168945E+20	4,435782E+18	0,000000E+00	0,000000E+00	4,434650E+18	5,167564E+20
-258	2,269584E+21	4,793205E+21	6,541819E+21	6,541766E+21	4,793113E+21	2,269552E+21	5,167673E+20	4,435401E+18	0,000000E+00	0,000000E+00	4,437785E+18	5,169107E+20
-257	2,269789E+21	4,793286E+21	6,541655E+21	6,541441E+21	4,792924E+21	2,269578E+21	5,168193E+20	4,435390E+18	0,000000E+00	0,000000E+00	4,435629E+18	5,167996E+20
-256	2,269486E+21	4,792830E+21	6,541517E+21	6,541702E+21	4,793220E+21	2,269738E+21	5,169028E+20	4,438018E+18	0,000000E+00	0,000000E+00	4,436351E+18	5,167919E+20
-255	2,269615E+21	4,793193E+21	6,541776E+21	6,541706E+21	4,792993E+21	2,269470E+21	5,167391E+20	4,435203E+18	0,000000E+00	0,000000E+00	4,437121E+18	5,168926E+20
-254	2,269689E+21	4,793082E+21	6,541493E+21	6,541536E+21	4,793174E+21	2,269720E+21	5,168574E+20	4,434168E+18	0,000000E+00	0,000000E+00	4,432481E+18	5,167452E+20
-253	2,269496E+21	4,793022E+21	6,541785E+21	6,541942E+21	4,793404E+21	2,269758E+21	5,168401E+20	4,434856E+18	0,000000E+00	0,000000E+00	4,434344E+18	5,168230E+20
-252	2,269814E+21	4,793564E+21	6,542132E+21	6,541968E+21	4,793202E+21	2,269561E+21	5,167176E+20	4,430756E+18	0,000000E+00	0,000000E+00	4,430963E+18	5,168254E+20
-251	2,269747E+21	4,793388E+21	6,541965E+21	6,542101E+21	4,793599E+21	2,269846E+21	5,168457E+20	4,429732E+18	0,000000E+00	0,000000E+00	4,427920E+18	5,166857E+20
-250	2,269632E+21	4,793595E+21	6,542493E+21	6,542490E+21	4,793666E+21	2,269728E+21	5,167353E+20	4,430147E+18	0,000000E+00	0,000000E+00	4,430855E+18	5,168264E+20
-249	2,269909E+21	4,793867E+21	6,542581E+21	6,542412E+21	4,793560E+21	2,269695E+21	5,167087E+20	4,425613E+18	0,000000E+00	0,000000E+00	4,425899E+18	5,167456E+20
-248	2,269704E+21	4,793507E+21	6,542380E+21	6,542615E+21	4,793920E+21	2,269925E+21	5,168265E+20	4,428220E+18	0,000000E+00	0,000000E+00	4,427971E+18	5,167041E+20
-247	2,269771E+21	4,793837E+21	6,542662E+21	6,542626E+21	4,793704E+21	2,269675E+21	5,166720E+20	4,427261E+18	0,000000E+00	0,000000E+00	4,429065E+18	5,168354E+20
-246	2,269900E+21	4,793795E+21	6,542364E+21	6,542248E+21	4,793617E+21	2,269800E+21	5,167724E+20	4,426353E+18	0,000000E+00	0,000000E+00	4,426888E+18	5,167105E+20
-245	2,269624E+21	4,793417E+21	6,542274E+21	6,542393E+21	4,793724E+21	2,269876E+21	5,168444E+20	4,432889E+18	0,000000E+00	0,000000E+00	4,431621E+18	5,167617E+20
-244	2,269761E+21	4,793627E+21	6,542320E+21	6,542174E+21	4,793286E+21	2,269550E+21	5,167115E+20	4,430760E+18	0,000000E+00	0,000000E+00	4,432152E+18	5,168491E+20
-243	2,269712E+21	4,793195E+21	6,541640E+21	6,541724E+21	4,793290E+21	2,269737E+21	5,168655E+20	4,434403E+18	0,000000E+00	0,000000E+00	4,434167E+18	5,167405E+20
-242	2,269472E+21	4,792971E+21	6,541651E+21	6,541711E+21	4,793158E+21	2,269638E+21	5,168275E+20	4,437854E+18	0,000000E+00	0,000000E+00	4,438923E+18	5,168915E+20
-241	2,269729E+21	4,793149E+21	6,541527E+21	6,541307E+21	4,792705E+21	2,269434E+21	5,167795E+20	4,436315E+18	0,000000E+00	0,000000E+00	4,438986E+18	5,168837E+20
-240	2,269552E+21	4,792673E+21	6,541034E+21	6,541170E+21	4,792890E+21	2,269669E+21	5,169413E+20	4,441411E+18	0,000000E+00	0,000000E+00	4,440084E+18	5,167959E+20
-239	2,269448E+21	4,792782E+21	6,541279E+21	6,541221E+21	4,792688E+21	2,269435E+21	5,168149E+20	4,440971E+18	0,000000E+00	0,000000E+00	4,442888E+18	5,169397E+20
-238	2,269616E+21	4,792765E+21	6,541010E+21	6,540872E+21	4,792526E+21	2,269474E+21	5,168671E+20	4,440929E+18	0,000000E+00	0,000000E+00	4,440590E+18	5,168376E+20
-237	2,269352E+21	4,792351E+21	6,540829E+21	6,541090E+21	4,792849E+21	2,269661E+21	5,169561E+20	4,443489E+18	0,000000E+00	0,000000E+00	4,441303E+18	5,168296E+20
-236	2,269484E+21	4,792739E+21	6,541165E+21	6,541122E+21	4,792592E+21	2,269379E+21	5,167886E+20	4,440427E+18	0,000000E+00	0,000000E+00	4,442190E+18	5,169469E+20
-235	2,269623E+21	4,792698E+21	6,540885E+21	6,540920E+21	4,792729E+21	2,269587E+21	5,168875E+20	4,438640E+18	0,000000E+00	0,000000E+00	4,437209E+18	5,167896E+20
-234	2,269427E+21	4,792717E+21	6,541295E+21	6,541376E+21	4,792963E+21	2,269633E+21	5,168737E+20	4,439204E+18	0,000000E+00	0,000000E+00	4,439246E+18	5,168634E+20
-233	2,269718E+21	4,793233E+21	6,541693E+21	6,541495E+21	4,792800E+21	2,269436E+21	5,167512E+20	4,435261E+18	0,000000E+00	0,000000E+00	4,435794E+18	5,168662E+20
-232	2,269645E+21	4,793048E+21	6,541521E+21	6,541658E+21	4,793244E+21	2,269730E+21	5,168760E+20	4,434190E+18	0,000000E+00	0,000000E+00	4,432772E+18	5,167272E+20
-231	2,269521E+21	4,793203E+21	6,541972E+21	6,542002E+21	4,793321E+21	2,269632E+21	5,167690E+20	4,434610E+18	0,000000E+00	0,000000E+00	4,435669E+18	5,168649E+20
-230	2,269786E+21	4,793414E+21	6,541951E+21	6,541832E+21	4,793171E+21	2,269601E+21	5,167520E+20	4,430433E+18	0,000000E+00	0,000000E+00	4,430784E+18	5,167891E+20
-229	2,269615E+21	4,793116E+21	6,541741E+21	6,541989E+21	4,793520E+21	2,269845E+21	5,168870E+20	4,434138E+18	0,000000E+00	0,000000E+00	4,432929E+18	5,167351E+20

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	2,269625E+21	4,793397E+21	6,542080E+21	6,542025E+21	4,793261E+21	2,269576E+21	5,167375E+20	4,433597E+18	0,000000E+00	0,000000E+00	4,434378E+18	5,168761E+20
-227	2,269760E+21	4,793299E+21	6,541701E+21	6,541599E+21	4,793119E+21	2,269649E+21	5,168202E+20	4,432613E+18	0,000000E+00	0,000000E+00	4,432797E+18	5,167549E+20
-226	2,269473E+21	4,792912E+21	6,541592E+21	6,541712E+21	4,793211E+21	2,269727E+21	5,168885E+20	4,438768E+18	0,000000E+00	0,000000E+00	4,438188E+18	5,168210E+20
-225	2,269622E+21	4,793102E+21	6,541605E+21	6,541479E+21	4,792775E+21	2,269405E+21	5,167537E+20	4,436444E+18	0,000000E+00	0,000000E+00	4,439032E+18	5,169189E+20
-224	2,269618E+21	4,792757E+21	6,540985E+21	6,541047E+21	4,792789E+21	2,269591E+21	5,169038E+20	4,439922E+18	0,000000E+00	0,000000E+00	4,440505E+18	5,168036E+20
-223	2,269384E+21	4,792557E+21	6,541025E+21	6,541059E+21	4,792680E+21	2,269506E+21	5,168714E+20	4,443320E+18	0,000000E+00	0,000000E+00	4,444566E+18	5,169336E+20
-222	2,269594E+21	4,792680E+21	6,540878E+21	6,540665E+21	4,792244E+21	2,269320E+21	5,168358E+20	4,442445E+18	0,000000E+00	0,000000E+00	4,444449E+18	5,169220E+20
-221	2,269415E+21	4,792218E+21	6,540400E+21	6,540568E+21	4,792475E+21	2,269573E+21	5,170060E+20	4,447940E+18	0,000000E+00	0,000000E+00	4,445305E+18	5,168262E+20
-220	2,269261E+21	4,792245E+21	6,540638E+21	6,540637E+21	4,792276E+21	2,269337E+21	5,168758E+20	4,447294E+18	0,000000E+00	0,000000E+00	4,448568E+18	5,169897E+20
-219	2,269485E+21	4,792235E+21	6,540275E+21	6,540192E+21	4,792062E+21	2,269342E+21	5,169052E+20	4,446261E+18	0,000000E+00	0,000000E+00	4,446200E+18	5,168934E+20
-218	2,269264E+21	4,791936E+21	6,540179E+21	6,540400E+21	4,792356E+21	2,269527E+21	5,169904E+20	4,448005E+18	0,000000E+00	0,000000E+00	4,446878E+18	5,168861E+20
-217	2,269413E+21	4,792386E+21	6,540614E+21	6,540518E+21	4,792138E+21	2,269249E+21	5,168224E+20	4,444973E+18	0,000000E+00	0,000000E+00	4,447266E+18	5,169943E+20
-216	2,269558E+21	4,792429E+21	6,540475E+21	6,540427E+21	4,792325E+21	2,269458E+21	5,169165E+20	4,442985E+18	0,000000E+00	0,000000E+00	4,441561E+18	5,168226E+20
-215	2,269325E+21	4,792397E+21	6,540894E+21	6,540964E+21	4,792623E+21	2,269523E+21	5,169058E+20	4,443634E+18	0,000000E+00	0,000000E+00	4,443373E+18	5,168849E+20
-214	2,269571E+21	4,792799E+21	6,541172E+21	6,541052E+21	4,792497E+21	2,269355E+21	5,167913E+20	4,439914E+18	0,000000E+00	0,000000E+00	4,440029E+18	5,168983E+20
-213	2,269527E+21	4,792634E+21	6,540943E+21	6,541148E+21	4,792936E+21	2,269671E+21	5,169285E+20	4,439336E+18	0,000000E+00	0,000000E+00	4,437326E+18	5,167605E+20
-212	2,269385E+21	4,792757E+21	6,541395E+21	6,541463E+21	4,792961E+21	2,269561E+21	5,168252E+20	4,439946E+18	0,000000E+00	0,000000E+00	4,440600E+18	5,169106E+20
-211	2,269688E+21	4,792984E+21	6,541302E+21	6,541181E+21	4,792724E+21	2,269480E+21	5,167943E+20	4,435608E+18	0,000000E+00	0,000000E+00	4,436023E+18	5,168342E+20
-210	2,269514E+21	4,792728E+21	6,541148E+21	6,541315E+21	4,793016E+21	2,269711E+21	5,169323E+20	4,439586E+18	0,000000E+00	0,000000E+00	4,438794E+18	5,167842E+20
-209	2,269499E+21	4,792948E+21	6,541481E+21	6,541409E+21	4,792773E+21	2,269426E+21	5,167805E+20	4,439243E+18	0,000000E+00	0,000000E+00	4,440567E+18	5,169322E+20
-208	2,269643E+21	4,792856E+21	6,541087E+21	6,540972E+21	4,792640E+21	2,269491E+21	5,168547E+20	4,438295E+18	0,000000E+00	0,000000E+00	4,439164E+18	5,168166E+20
-207	2,269361E+21	4,792441E+21	6,540936E+21	6,541061E+21	4,792736E+21	2,269583E+21	5,169252E+20	4,444205E+18	0,000000E+00	0,000000E+00	4,444197E+18	5,168752E+20
-206	2,269502E+21	4,792607E+21	6,540896E+21	6,540786E+21	4,792295E+21	2,269281E+21	5,168038E+20	4,442286E+18	0,000000E+00	0,000000E+00	4,445016E+18	5,169714E+20
-205	2,269517E+21	4,792323E+21	6,540312E+21	6,540364E+21	4,792333E+21	2,269492E+21	5,169701E+20	4,446628E+18	0,000000E+00	0,000000E+00	4,446058E+18	5,168393E+20
-204	2,269221E+21	4,792072E+21	6,540415E+21	6,540447E+21	4,792234E+21	2,269408E+21	5,169416E+20	4,450055E+18	0,000000E+00	0,000000E+00	4,450208E+18	5,169726E+20
-203	2,269433E+21	4,792140E+21	6,540175E+21	6,540002E+21	4,791768E+21	2,269185E+21	5,168872E+20	4,448863E+18	0,000000E+00	0,000000E+00	4,450388E+18	5,169648E+20
-202	2,269259E+21	4,791700E+21	6,539701E+21	6,539871E+21	4,791985E+21	2,269443E+21	5,170506E+20	4,453477E+18	0,000000E+00	0,000000E+00	4,451427E+18	5,168824E+20
-201	2,269129E+21	4,791732E+21	6,539947E+21	6,539966E+21	4,791798E+21	2,269203E+21	5,169145E+20	4,452444E+18	0,000000E+00	0,000000E+00	4,454548E+18	5,170487E+20
-200	2,269405E+21	4,791850E+21	6,539686E+21	6,539564E+21	4,791599E+21	2,269200E+21	5,169337E+20	4,450843E+18	0,000000E+00	0,000000E+00	4,451403E+18	5,169473E+20
-199	2,269200E+21	4,791614E+21	6,539681E+21	6,539845E+21	4,791934E+21	2,269400E+21	5,170210E+20	4,452311E+18	0,000000E+00	0,000000E+00	4,451252E+18	5,169179E+20
-198	2,269309E+21	4,792031E+21	6,540132E+21	6,540013E+21	4,791769E+21	2,269155E+21	5,168678E+20	4,449938E+18	0,000000E+00	0,000000E+00	4,451445E+18	5,170220E+20
-197	2,269448E+21	4,792074E+21	6,540012E+21	6,539992E+21	4,792020E+21	2,269384E+21	5,169693E+20	4,448407E+18	0,000000E+00	0,000000E+00	4,445741E+18	5,168457E+20
-196	2,269170E+21	4,791953E+21	6,540384E+21	6,540523E+21	4,792325E+21	2,269456E+21	5,169577E+20	4,448980E+18	0,000000E+00	0,000000E+00	4,448188E+18	5,169258E+20
-195	2,269451E+21	4,792324E+21	6,540524E+21	6,540465E+21	4,792117E+21	2,269252E+21	5,168280E+20	4,444734E+18	0,000000E+00	0,000000E+00	4,445095E+18	5,169459E+20
-194	2,269440E+21	4,792243E+21	6,540340E+21	6,540491E+21	4,792477E+21	2,269556E+21	5,169664E+20	4,443916E+18	0,000000E+00	0,000000E+00	4,442919E+18	5,168151E+20
-193	2,269298E+21	4,792358E+21	6,540811E+21	6,540836E+21	4,792501E+21	2,269436E+21	5,168660E+20	4,444911E+18	0,000000E+00	0,000000E+00	4,445965E+18	5,169562E+20

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												
-192	2,269595E+21	4,792639E+21	6,540798E+21	6,540600E+21	4,792265E+21	2,269336E+21	5,168291E+20	4,440640E+18	0,000000E+00	0,000000E+00	4,441373E+18	5,168802E+20
-191	2,269403E+21	4,792327E+21	6,540617E+21	6,540756E+21	4,792571E+21	2,269563E+21	5,169657E+20	4,444791E+18	0,000000E+00	0,000000E+00	4,444096E+18	5,168221E+20
-190	2,269351E+21	4,792443E+21	6,540825E+21	6,540795E+21	4,792353E+21	2,269313E+21	5,168263E+20	4,444741E+18	0,000000E+00	0,000000E+00	4,446132E+18	5,169813E+20
-189	2,269529E+21	4,792384E+21	6,540422E+21	6,540346E+21	4,792221E+21	2,269389E+21	5,169096E+20	4,444475E+18	0,000000E+00	0,000000E+00	4,444889E+18	5,168632E+20
-188	2,269227E+21	4,791952E+21	6,540282E+21	6,540425E+21	4,792297E+21	2,269482E+21	5,169853E+20	4,450437E+18	0,000000E+00	0,000000E+00	4,449983E+18	5,169250E+20
-187	2,269381E+21	4,792114E+21	6,540182E+21	6,540066E+21	4,791802E+21	2,269155E+21	5,168588E+20	4,448609E+18	0,000000E+00	0,000000E+00	4,451039E+18	5,170161E+20
-186	2,269383E+21	4,791868E+21	6,539676E+21	6,539647E+21	4,791797E+21	2,269361E+21	5,170282E+20	4,453043E+18	0,000000E+00	0,000000E+00	4,452410E+18	5,168897E+20
-185	2,269062E+21	4,791534E+21	6,539743E+21	6,539794E+21	4,791743E+21	2,269268E+21	5,169939E+20	4,456254E+18	0,000000E+00	0,000000E+00	4,456549E+18	5,170238E+20
-184	2,269293E+21	4,791646E+21	6,539501E+21	6,539334E+21	4,791287E+21	2,269038E+21	5,169243E+20	4,454499E+18	0,000000E+00	0,000000E+00	4,456714E+18	5,170276E+20
-183	2,269154E+21	4,791232E+21	6,539032E+21	6,539192E+21	4,791498E+21	2,269297E+21	5,170811E+20	4,458305E+18	0,000000E+00	0,000000E+00	4,456835E+18	5,169333E+20
-182	2,269031E+21	4,791287E+21	6,539291E+21	6,539307E+21	4,791347E+21	2,269087E+21	5,169575E+20	4,457504E+18	0,000000E+00	0,000000E+00	4,459574E+18	5,170932E+20
-181	2,269327E+21	4,791495E+21	6,539152E+21	6,539008E+21	4,791205E+21	2,269105E+21	5,169865E+20	4,456433E+18	0,000000E+00	0,000000E+00	4,455712E+18	5,169733E+20
-180	2,269069E+21	4,791232E+21	6,539232E+21	6,539391E+21	4,791583E+21	2,269314E+21	5,170754E+20	4,457763E+18	0,000000E+00	0,000000E+00	4,455673E+18	5,169470E+20
-179	2,269175E+21	4,791589E+21	6,539576E+21	6,539505E+21	4,791414E+21	2,269056E+21	5,169104E+20	4,455159E+18	0,000000E+00	0,000000E+00	4,456191E+18	5,170560E+20
-178	2,269320E+21	4,791654E+21	6,539461E+21	6,539432E+21	4,791635E+21	2,269289E+21	5,170062E+20	4,452855E+18	0,000000E+00	0,000000E+00	4,451050E+18	5,168972E+20
-177	2,269067E+21	4,791515E+21	6,539798E+21	6,539964E+21	4,791935E+21	2,269352E+21	5,169912E+20	4,453303E+18	0,000000E+00	0,000000E+00	4,453445E+18	5,169757E+20
-176	2,269382E+21	4,791984E+21	6,539983E+21	6,539884E+21	4,791697E+21	2,269127E+21	5,168532E+20	4,448826E+18	0,000000E+00	0,000000E+00	4,450041E+18	5,169954E+20
-175	2,269373E+21	4,791921E+21	6,539844E+21	6,539919E+21	4,792043E+21	2,269426E+21	5,169955E+20	4,448190E+18	0,000000E+00	0,000000E+00	4,447457E+18	5,168484E+20
-174	2,269190E+21	4,791971E+21	6,540286E+21	6,540281E+21	4,792088E+21	2,269327E+21	5,169121E+20	4,450112E+18	0,000000E+00	0,000000E+00	4,450629E+18	5,169893E+20
-173	2,269473E+21	4,792215E+21	6,540250E+21	6,540081E+21	4,791886E+21	2,269235E+21	5,168840E+20	4,446730E+18	0,000000E+00	0,000000E+00	4,446413E+18	5,169149E+20
-172	2,269248E+21	4,791830E+21	6,540011E+21	6,540202E+21	4,792183E+21	2,269465E+21	5,170189E+20	4,450844E+18	0,000000E+00	0,000000E+00	4,449840E+18	5,168734E+20
-171	2,269227E+21	4,791921E+21	6,540087E+21	6,540085E+21	4,791879E+21	2,269191E+21	5,168754E+20	4,450654E+18	0,000000E+00	0,000000E+00	4,452173E+18	5,170346E+20
-170	2,269423E+21	4,791934E+21	6,539748E+21	6,539599E+21	4,791686E+21	2,269259E+21	5,169610E+20	4,450507E+18	0,000000E+00	0,000000E+00	4,451471E+18	5,169211E+20
-169	2,269108E+21	4,791475E+21	6,539621E+21	6,539733E+21	4,791784E+21	2,269347E+21	5,170396E+20	4,456656E+18	0,000000E+00	0,000000E+00	4,456159E+18	5,169698E+20
-168	2,269244E+21	4,791661E+21	6,539564E+21	6,539408E+21	4,791295E+21	2,269006E+21	5,169055E+20	4,454775E+18	0,000000E+00	0,000000E+00	4,457376E+18	5,170653E+20
-167	2,269233E+21	4,791358E+21	6,539029E+21	6,539003E+21	4,791310E+21	2,269213E+21	5,170691E+20	4,458860E+18	0,000000E+00	0,000000E+00	4,458287E+18	5,169357E+20
-166	2,268904E+21	4,790967E+21	6,538998E+21	6,539106E+21	4,791283E+21	2,269153E+21	5,170427E+20	4,461944E+18	0,000000E+00	0,000000E+00	4,462427E+18	5,170764E+20
-165	2,269176E+21	4,791148E+21	6,538804E+21	6,538678E+21	4,790845E+21	2,268933E+21	5,169782E+20	4,460506E+18	0,000000E+00	0,000000E+00	4,462224E+18	5,170757E+20
-164	2,269043E+21	4,790786E+21	6,538412E+21	6,538578E+21	4,791064E+21	2,269188E+21	5,171302E+20	4,463787E+18	0,000000E+00	0,000000E+00	4,461994E+18	5,169801E+20
-163	2,268937E+21	4,790873E+21	6,538668E+21	6,538658E+21	4,790892E+21	2,268971E+21	5,170052E+20	4,463051E+18	0,000000E+00	0,000000E+00	4,464686E+18	5,171312E+20
-162	2,269223E+21	4,791136E+21	6,538659E+21	6,538435E+21	4,790755E+21	2,268989E+21	5,170317E+20	4,461740E+18	0,000000E+00	0,000000E+00	4,461026E+18	5,170166E+20
-161	2,268945E+21	4,790802E+21	6,538704E+21	6,538893E+21	4,791202E+21	2,269201E+21	5,171149E+20	4,462802E+18	0,000000E+00	0,000000E+00	4,460893E+18	5,169881E+20
-160	2,269067E+21	4,791200E+21	6,539033E+21	6,538978E+21	4,791042E+21	2,268946E+21	5,169379E+20	4,459589E+18	0,000000E+00	0,000000E+00	4,461432E+18	5,171075E+20
-159	2,269239E+21	4,791284E+21	6,538925E+21	6,538876E+21	4,791228E+21	2,269169E+21	5,170289E+20	4,456553E+18	0,000000E+00	0,000000E+00	4,455543E+18	5,169388E+20
-158	2,268984E+21	4,791131E+21	6,539221E+21	6,539385E+21	4,791545E+21	2,269260E+21	5,170309E+20	4,457656E+18	0,000000E+00	0,000000E+00	4,457769E+18	5,170090E+20
-157	2,269291E+21	4,791635E+21	6,539495E+21	6,539386E+21	4,791333E+21	2,269042E+21	5,169045E+20	4,454042E+18	0,000000E+00	0,000000E+00	4,454096E+18	5,170179E+20

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	2,269238E+21	4,791525E+21	6,539371E+21	6,539452E+21	4,791675E+21	2,269330E+21	5,170462E+20	4,453710E+18	0,000000E+00	0,000000E+00	4,452141E+18	5,168789E+20
-155	2,269046E+21	4,791492E+21	6,539659E+21	6,539698E+21	4,791682E+21	2,269220E+21	5,169604E+20	4,455806E+18	0,000000E+00	0,000000E+00	4,455855E+18	5,170286E+20
-154	2,269341E+21	4,791755E+21	6,539627E+21	6,539436E+21	4,791426E+21	2,269122E+21	5,169294E+20	4,452237E+18	0,000000E+00	0,000000E+00	4,452599E+18	5,169734E+20
-153	2,269133E+21	4,791340E+21	6,539343E+21	6,539554E+21	4,791713E+21	2,269338E+21	5,170616E+20	4,456332E+18	0,000000E+00	0,000000E+00	4,455962E+18	5,169293E+20
-152	2,269137E+21	4,791514E+21	6,539449E+21	6,539407E+21	4,791390E+21	2,269053E+21	5,169140E+20	4,455962E+18	0,000000E+00	0,000000E+00	4,458348E+18	5,170914E+20
-151	2,269326E+21	4,791523E+21	6,539151E+21	6,538936E+21	4,791174E+21	2,269112E+21	5,170017E+20	4,456041E+18	0,000000E+00	0,000000E+00	4,457319E+18	5,169661E+20
-150	2,268972E+21	4,790983E+21	6,538964E+21	6,539087E+21	4,791312E+21	2,269227E+21	5,170952E+20	4,462806E+18	0,000000E+00	0,000000E+00	4,462021E+18	5,170132E+20
-149	2,269089E+21	4,791129E+21	6,538895E+21	6,538804E+21	4,790860E+21	2,268895E+21	5,169666E+20	4,461546E+18	0,000000E+00	0,000000E+00	4,463426E+18	5,171111E+20
-148	2,269073E+21	4,790800E+21	6,538318E+21	6,538351E+21	4,790853E+21	2,269099E+21	5,171229E+20	4,465160E+18	0,000000E+00	0,000000E+00	4,464445E+18	5,169939E+20
-147	2,268786E+21	4,790433E+21	6,538202E+21	6,538328E+21	4,790759E+21	2,269022E+21	5,170928E+20	4,467883E+18	0,000000E+00	0,000000E+00	4,468427E+18	5,171305E+20
-146	2,269083E+21	4,790728E+21	6,538145E+21	6,537935E+21	4,790308E+21	2,268801E+21	5,170274E+20	4,466313E+18	0,000000E+00	0,000000E+00	4,468244E+18	5,171293E+20
-145	2,268942E+21	4,790379E+21	6,537842E+21	6,537971E+21	4,790593E+21	2,269055E+21	5,171745E+20	4,469296E+18	0,000000E+00	0,000000E+00	4,467344E+18	5,170197E+20
-144	2,268832E+21	4,790516E+21	6,538163E+21	6,538116E+21	4,790462E+21	2,268840E+21	5,170427E+20	4,468288E+18	0,000000E+00	0,000000E+00	4,470074E+18	5,171722E+20
-143	2,269101E+21	4,790728E+21	6,538149E+21	6,537945E+21	4,790372E+21	2,268867E+21	5,170600E+20	4,466204E+18	0,000000E+00	0,000000E+00	4,465711E+18	5,170534E+20
-142	2,268822E+21	4,790359E+21	6,538123E+21	6,538374E+21	4,790854E+21	2,269117E+21	5,171521E+20	4,467116E+18	0,000000E+00	0,000000E+00	4,465499E+18	5,170261E+20
-141	2,268961E+21	4,790789E+21	6,538485E+21	6,538484E+21	4,790705E+21	2,268872E+21	5,169841E+20	4,464419E+18	0,000000E+00	0,000000E+00	4,465609E+18	5,171372E+20
-140	2,269129E+21	4,790903E+21	6,538408E+21	6,538377E+21	4,790875E+21	2,269090E+21	5,170738E+20	4,461146E+18	0,000000E+00	0,000000E+00	4,459736E+18	5,169720E+20
-139	2,268883E+21	4,790746E+21	6,538638E+21	6,538786E+21	4,791129E+21	2,269165E+21	5,170809E+20	4,462941E+18	0,000000E+00	0,000000E+00	4,462293E+18	5,170384E+20
-138	2,269172E+21	4,791258E+21	6,538982E+21	6,538818E+21	4,790896E+21	2,268933E+21	5,169536E+20	4,459471E+18	0,000000E+00	0,000000E+00	4,459448E+18	5,170623E+20
-137	2,269109E+21	4,791070E+21	6,538789E+21	6,538914E+21	4,791264E+21	2,269203E+21	5,170845E+20	4,459091E+18	0,000000E+00	0,000000E+00	4,457934E+18	5,169304E+20
-136	2,268946E+21	4,791074E+21	6,539035E+21	6,539078E+21	4,791231E+21	2,269084E+21	5,169917E+20	4,460827E+18	0,000000E+00	0,000000E+00	4,461983E+18	5,170919E+20
-135	2,269260E+21	4,791345E+21	6,539016E+21	6,538800E+21	4,790939E+21	2,268973E+21	5,169574E+20	4,456886E+18	0,000000E+00	0,000000E+00	4,458340E+18	5,170275E+20
-134	2,269043E+21	4,790918E+21	6,538704E+21	6,538899E+21	4,791246E+21	2,269222E+21	5,171082E+20	4,461760E+18	0,000000E+00	0,000000E+00	4,461542E+18	5,169731E+20
-133	2,269014E+21	4,791079E+21	6,538872E+21	6,538829E+21	4,790953E+21	2,268952E+21	5,169771E+20	4,462368E+18	0,000000E+00	0,000000E+00	4,463739E+18	5,171226E+20
-132	2,269158E+21	4,791023E+21	6,538541E+21	6,538368E+21	4,790742E+21	2,269003E+21	5,170624E+20	4,462620E+18	0,000000E+00	0,000000E+00	4,463267E+18	5,170091E+20
-131	2,268804E+21	4,790404E+21	6,538174E+21	6,538366E+21	4,790832E+21	2,269112E+21	5,171538E+20	4,469341E+18	0,000000E+00	0,000000E+00	4,468168E+18	5,170631E+20
-130	2,268940E+21	4,790593E+21	6,538146E+21	6,538044E+21	4,790330E+21	2,268769E+21	5,170206E+20	4,467774E+18	0,000000E+00	0,000000E+00	4,470206E+18	5,171761E+20
-129	2,268956E+21	4,790281E+21	6,537577E+21	6,537623E+21	4,790323E+21	2,268950E+21	5,171671E+20	4,471062E+18	0,000000E+00	0,000000E+00	4,470617E+18	5,170509E+20
-128	2,268703E+21	4,790039E+21	6,537555E+21	6,537621E+21	4,790234E+21	2,268871E+21	5,171321E+20	4,473297E+18	0,000000E+00	0,000000E+00	4,474359E+18	5,171833E+20
-127	2,268991E+21	4,790364E+21	6,537616E+21	6,537333E+21	4,789816E+21	2,268650E+21	5,170634E+20	4,471564E+18	0,000000E+00	0,000000E+00	4,473431E+18	5,171674E+20
-126	2,268817E+21	4,789961E+21	6,537297E+21	6,537442E+21	4,790192E+21	2,268945E+21	5,172203E+20	4,474606E+18	0,000000E+00	0,000000E+00	4,472289E+18	5,170548E+20
-125	2,268690E+21	4,790065E+21	6,537630E+21	6,537664E+21	4,790140E+21	2,268764E+21	5,170952E+20	4,473898E+18	0,000000E+00	0,000000E+00	4,474941E+18	5,172058E+20
-124	2,268962E+21	4,790269E+21	6,537575E+21	6,537452E+21	4,790037E+21	2,268790E+21	5,171040E+20	4,471081E+18	0,000000E+00	0,000000E+00	4,470461E+18	5,170958E+20
-123	2,268716E+21	4,789916E+21	6,537447E+21	6,537736E+21	4,790445E+21	2,269026E+21	5,171975E+20	4,471959E+18	0,000000E+00	0,000000E+00	4,470163E+18	5,170637E+20
-122	2,268863E+21	4,790425E+21	6,537927E+21	6,537867E+21	4,790267E+21	2,268772E+21	5,170300E+20	4,469414E+18	0,000000E+00	0,000000E+00	4,470497E+18	5,171755E+20
-121	2,269018E+21	4,790518E+21	6,537889E+21	6,537843E+21	4,790454E+21	2,268967E+21	5,171139E+20	4,466131E+18	0,000000E+00	0,000000E+00	4,464514E+18	5,170077E+20

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	2,268782E+21	4,790399E+21	6,538129E+21	6,538250E+21	4,790706E+21	2,269031E+21	5,171142E+20	4,467846E+18	0,000000E+00	0,000000E+00	4,467664E+18	5,170852E+20
-119	2,269065E+21	4,790868E+21	6,538452E+21	6,538289E+21	4,790487E+21	2,268799E+21	5,169784E+20	4,463768E+18	0,000000E+00	0,000000E+00	4,464609E+18	5,171121E+20
-118	2,269011E+21	4,790652E+21	6,538191E+21	6,538348E+21	4,790868E+21	2,269095E+21	5,171176E+20	4,463614E+18	0,000000E+00	0,000000E+00	4,463303E+18	5,169827E+20
-117	2,268856E+21	4,790670E+21	6,538470E+21	6,538545E+21	4,790843E+21	2,268989E+21	5,170396E+20	4,466075E+18	0,000000E+00	0,000000E+00	4,467017E+18	5,171315E+20
-116	2,269149E+21	4,790939E+21	6,538451E+21	6,538247E+21	4,790534E+21	2,268874E+21	5,170083E+20	4,462378E+18	0,000000E+00	0,000000E+00	4,463671E+18	5,170675E+20
-115	2,268915E+21	4,790463E+21	6,538038E+21	6,538222E+21	4,790768E+21	2,269115E+21	5,171713E+20	4,468247E+18	0,000000E+00	0,000000E+00	4,467099E+18	5,170099E+20
-114	2,268850E+21	4,790583E+21	6,538220E+21	6,538160E+21	4,790461E+21	2,268836E+21	5,170420E+20	4,469178E+18	0,000000E+00	0,000000E+00	4,470123E+18	5,171707E+20
-113	2,268987E+21	4,790447E+21	6,537800E+21	6,537693E+21	4,790255E+21	2,268868E+21	5,171165E+20	4,469328E+18	0,000000E+00	0,000000E+00	4,470004E+18	5,170699E+20
-112	2,268688E+21	4,789905E+21	6,537401E+21	6,537582E+21	4,790275E+21	2,268954E+21	5,171965E+20	4,475323E+18	0,000000E+00	0,000000E+00	4,474964E+18	5,171315E+20
-111	2,268842E+21	4,790125E+21	6,537433E+21	6,537290E+21	4,789766E+21	2,268599E+21	5,170564E+20	4,473233E+18	0,000000E+00	0,000000E+00	4,476350E+18	5,172324E+20
-110	2,268858E+21	4,789852E+21	6,536929E+21	6,536944E+21	4,789820E+21	2,268809E+21	5,172095E+20	4,476648E+18	0,000000E+00	0,000000E+00	4,476201E+18	5,170952E+20
-109	2,268579E+21	4,789619E+21	6,537024E+21	6,537087E+21	4,789804E+21	2,268757E+21	5,171898E+20	4,479473E+18	0,000000E+00	0,000000E+00	4,479450E+18	5,172117E+20
-108	2,268831E+21	4,789899E+21	6,537076E+21	6,536859E+21	4,789455E+21	2,268555E+21	5,171164E+20	4,477503E+18	0,000000E+00	0,000000E+00	4,478638E+18	5,172020E+20
-107	2,268658E+21	4,789452E+21	6,536619E+21	6,536838E+21	4,789804E+21	2,268859E+21	5,172728E+20	4,480193E+18	0,000000E+00	0,000000E+00	4,477420E+18	5,170953E+20
-106	2,268552E+21	4,789598E+21	6,536994E+21	6,537036E+21	4,789727E+21	2,268678E+21	5,171451E+20	4,479150E+18	0,000000E+00	0,000000E+00	4,480400E+18	5,172533E+20
-105	2,268851E+21	4,789821E+21	6,536945E+21	6,536858E+21	4,789626E+21	2,268679E+21	5,171418E+20	4,475770E+18	0,000000E+00	0,000000E+00	4,475428E+18	5,171432E+20
-104	2,268654E+21	4,789596E+21	6,536876E+21	6,537104E+21	4,789991E+21	2,268895E+21	5,172278E+20	4,476287E+18	0,000000E+00	0,000000E+00	4,475241E+18	5,171112E+20
-103	2,268786E+21	4,790107E+21	6,537457E+21	6,537332E+21	4,789829E+21	2,268629E+21	5,170567E+20	4,473639E+18	0,000000E+00	0,000000E+00	4,475074E+18	5,172147E+20
-102	2,268920E+21	4,790159E+21	6,537406E+21	6,537364E+21	4,790079E+21	2,268847E+21	5,171447E+20	4,470627E+18	0,000000E+00	0,000000E+00	4,469312E+18	5,170501E+20
-101	2,268673E+21	4,790009E+21	6,537649E+21	6,537811E+21	4,790372E+21	2,268937E+21	5,171568E+20	4,472956E+18	0,000000E+00	0,000000E+00	4,472533E+18	5,171261E+20
-100	2,268957E+21	4,790463E+21	6,537910E+21	6,537793E+21	4,790139E+21	2,268710E+21	5,170201E+20	4,468567E+18	0,000000E+00	0,000000E+00	4,469550E+18	5,171565E+20
-99	2,268913E+21	4,790233E+21	6,537537E+21	6,537698E+21	4,790440E+21	2,268999E+21	5,171691E+20	4,469085E+18	0,000000E+00	0,000000E+00	4,468377E+18	5,170223E+20
-98	2,268741E+21	4,790270E+21	6,537886E+21	6,537903E+21	4,790392E+21	2,268893E+21	5,170996E+20	4,472087E+18	0,000000E+00	0,000000E+00	4,472484E+18	5,171670E+20
-97	2,268996E+21	4,790462E+21	6,537836E+21	6,537646E+21	4,790080E+21	2,268751E+21	5,170655E+20	4,468775E+18	0,000000E+00	0,000000E+00	4,469504E+18	5,171080E+20
-96	2,268772E+21	4,789986E+21	6,537358E+21	6,537543E+21	4,790274E+21	2,268973E+21	5,172202E+20	4,474544E+18	0,000000E+00	0,000000E+00	4,473569E+18	5,170655E+20
-95	2,268703E+21	4,790054E+21	6,537516E+21	6,537470E+21	4,789950E+21	2,268678E+21	5,170798E+20	4,474748E+18	0,000000E+00	0,000000E+00	4,476489E+18	5,172297E+20
-94	2,268861E+21	4,789922E+21	6,537052E+21	6,536967E+21	4,789741E+21	2,268723E+21	5,171571E+20	4,474999E+18	0,000000E+00	0,000000E+00	4,476345E+18	5,171316E+20
-93	2,268580E+21	4,789437E+21	6,536744E+21	6,536925E+21	4,789788E+21	2,268822E+21	5,172470E+20	4,481250E+18	0,000000E+00	0,000000E+00	4,480623E+18	5,171788E+20
-92	2,268729E+21	4,789696E+21	6,536825E+21	6,536666E+21	4,789310E+21	2,268481E+21	5,171091E+20	4,479215E+18	0,000000E+00	0,000000E+00	4,481984E+18	5,172734E+20
-91	2,268725E+21	4,789395E+21	6,536282E+21	6,536279E+21	4,789345E+21	2,268695E+21	5,172693E+20	4,483116E+18	0,000000E+00	0,000000E+00	4,481685E+18	5,171337E+20
-90	2,268425E+21	4,789143E+21	6,536418E+21	6,536487E+21	4,789375E+21	2,268653E+21	5,172495E+20	4,485877E+18	0,000000E+00	0,000000E+00	4,485437E+18	5,172558E+20
-89	2,268674E+21	4,789364E+21	6,536399E+21	6,536270E+21	4,789054E+21	2,268446E+21	5,171638E+20	4,483377E+18	0,000000E+00	0,000000E+00	4,484605E+18	5,172571E+20
-88	2,268564E+21	4,789020E+21	6,535940E+21	6,536148E+21	4,789335E+21	2,268730E+21	5,173068E+20	4,484942E+18	0,000000E+00	0,000000E+00	4,483189E+18	5,171559E+20
-87	2,268474E+21	4,789208E+21	6,536400E+21	6,536396E+21	4,789253E+21	2,268534E+21	5,171713E+20	4,483321E+18	0,000000E+00	0,000000E+00	4,485324E+18	5,172974E+20
-86	2,268769E+21	4,789475E+21	6,536419E+21	6,536288E+21	4,789205E+21	2,268557E+21	5,171732E+20	4,480056E+18	0,000000E+00	0,000000E+00	4,479866E+18	5,171800E+20
-85	2,268555E+21	4,789262E+21	6,536463E+21	6,536662E+21	4,789625E+21	2,268789E+21	5,172709E+20	4,481201E+18	0,000000E+00	0,000000E+00	4,479458E+18	5,171379E+20

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												
-84	2,268664E+21	4,789727E+21	6,537001E+21	6,536919E+21	4,789524E+21	2,268543E+21	5,170983E+20	4,478485E+18	0,000000E+00	0,000000E+00	4,479455E+18	5,172470E+20
-83	2,268795E+21	4,789731E+21	6,536826E+21	6,536819E+21	4,789724E+21	2,268764E+21	5,171896E+20	4,475691E+18	0,000000E+00	0,000000E+00	4,474016E+18	5,170902E+20
-82	2,268562E+21	4,789598E+21	6,537080E+21	6,537235E+21	4,789988E+21	2,268854E+21	5,172069E+20	4,478286E+18	0,000000E+00	0,000000E+00	4,477640E+18	5,171657E+20
-81	2,268840E+21	4,790025E+21	6,537311E+21	6,537227E+21	4,789750E+21	2,268610E+21	5,170674E+20	4,473886E+18	0,000000E+00	0,000000E+00	4,474664E+18	5,171987E+20
-80	2,268825E+21	4,789869E+21	6,536944E+21	6,537032E+21	4,789960E+21	2,268870E+21	5,172136E+20	4,474591E+18	0,000000E+00	0,000000E+00	4,474117E+18	5,170703E+20
-79	2,268616E+21	4,789833E+21	6,537306E+21	6,537283E+21	4,789904E+21	2,268744E+21	5,171423E+20	4,477581E+18	0,000000E+00	0,000000E+00	4,478109E+18	5,172092E+20
-78	2,268848E+21	4,789962E+21	6,537187E+21	6,537030E+21	4,789632E+21	2,268616E+21	5,171080E+20	4,474553E+18	0,000000E+00	0,000000E+00	4,475820E+18	5,171654E+20
-77	2,268635E+21	4,789471E+21	6,536694E+21	6,536904E+21	4,789812E+21	2,268843E+21	5,172690E+20	4,480707E+18	0,000000E+00	0,000000E+00	4,479800E+18	5,171235E+20
-76	2,268586E+21	4,789548E+21	6,536805E+21	6,536782E+21	4,789473E+21	2,268552E+21	5,171271E+20	4,480492E+18	0,000000E+00	0,000000E+00	4,482612E+18	5,172848E+20
-75	2,268751E+21	4,789436E+21	6,536308E+21	6,536190E+21	4,789203E+21	2,268589E+21	5,172112E+20	4,481402E+18	0,000000E+00	0,000000E+00	4,482287E+18	5,171799E+20
-74	2,268458E+21	4,788994E+21	6,536109E+21	6,536220E+21	4,789277E+21	2,268696E+21	5,173074E+20	4,487881E+18	0,000000E+00	0,000000E+00	4,486545E+18	5,172180E+20
-73	2,268571E+21	4,789193E+21	6,536193E+21	6,536060E+21	4,788860E+21	2,268359E+21	5,171681E+20	4,485927E+18	0,000000E+00	0,000000E+00	4,488121E+18	5,173181E+20
-72	2,268591E+21	4,788921E+21	6,535621E+21	6,535617E+21	4,788876E+21	2,268562E+21	5,173145E+20	4,489062E+18	0,000000E+00	0,000000E+00	4,488021E+18	5,171922E+20
-71	2,268296E+21	4,788648E+21	6,535765E+21	6,535854E+21	4,788916E+21	2,268517E+21	5,172842E+20	4,490758E+18	0,000000E+00	0,000000E+00	4,491216E+18	5,173086E+20
-70	2,268566E+21	4,788904E+21	6,535747E+21	6,535642E+21	4,788624E+21	2,268327E+21	5,171964E+20	4,488002E+18	0,000000E+00	0,000000E+00	4,490012E+18	5,173097E+20
-69	2,268475E+21	4,788637E+21	6,535406E+21	6,535585E+21	4,788923E+21	2,268619E+21	5,173459E+20	4,489560E+18	0,000000E+00	0,000000E+00	4,487657E+18	5,171932E+20
-68	2,268385E+21	4,78858E+21	6,535909E+21	6,535877E+21	4,788877E+21	2,268439E+21	5,172133E+20	4,488079E+18	0,000000E+00	0,000000E+00	4,489506E+18	5,173232E+20
-67	2,268650E+21	4,789089E+21	6,535898E+21	6,535747E+21	4,788814E+21	2,268462E+21	5,172235E+20	4,485440E+18	0,000000E+00	0,000000E+00	4,484068E+18	5,172088E+20
-66	2,268428E+21	4,788868E+21	6,535969E+21	6,536173E+21	4,789279E+21	2,268701E+21	5,173205E+20	4,486728E+18	0,000000E+00	0,000000E+00	4,484407E+18	5,171745E+20
-65	2,268536E+21	4,789274E+21	6,536424E+21	6,536406E+21	4,789184E+21	2,268457E+21	5,171442E+20	4,483812E+18	0,000000E+00	0,000000E+00	4,484596E+18	5,172953E+20
-64	2,268720E+21	4,789353E+21	6,536225E+21	6,536185E+21	4,789287E+21	2,268643E+21	5,172231E+20	4,480357E+18	0,000000E+00	0,000000E+00	4,479527E+18	5,171461E+20
-63	2,268486E+21	4,789229E+21	6,536531E+21	6,536638E+21	4,789534E+21	2,268714E+21	5,172358E+20	4,482660E+18	0,000000E+00	0,000000E+00	4,482710E+18	5,172056E+20
-62	2,268735E+21	4,789636E+21	6,536766E+21	6,536647E+21	4,789320E+21	2,268487E+21	5,171038E+20	4,478790E+18	0,000000E+00	0,000000E+00	4,479869E+18	5,172373E+20
-61	2,268691E+21	4,789449E+21	6,536444E+21	6,536507E+21	4,789544E+21	2,268752E+21	5,172619E+20	4,480308E+18	0,000000E+00	0,000000E+00	4,479492E+18	5,171098E+20
-60	2,268474E+21	4,789344E+21	6,536692E+21	6,536718E+21	4,789512E+21	2,268640E+21	5,171897E+20	4,483204E+18	0,000000E+00	0,000000E+00	4,483667E+18	5,172520E+20
-59	2,268699E+21	4,789423E+21	6,536444E+21	6,536312E+21	4,789161E+21	2,268505E+21	5,171617E+20	4,480668E+18	0,000000E+00	0,000000E+00	4,481833E+18	5,172212E+20
-58	2,268518E+21	4,788978E+21	6,535984E+21	6,536177E+21	4,789311E+21	2,268718E+21	5,173222E+20	4,487004E+18	0,000000E+00	0,000000E+00	4,485991E+18	5,171761E+20
-57	2,268467E+21	4,789052E+21	6,536095E+21	6,536074E+21	4,788978E+21	2,268422E+21	5,171816E+20	4,486765E+18	0,000000E+00	0,000000E+00	4,488783E+18	5,173375E+20
-56	2,268657E+21	4,789019E+21	6,535656E+21	6,535446E+21	4,788648E+21	2,268434E+21	5,172591E+20	4,487721E+18	0,000000E+00	0,000000E+00	4,488770E+18	5,172352E+20
-55	2,268331E+21	4,788535E+21	6,535510E+21	6,535584E+21	4,788762E+21	2,268534E+21	5,173503E+20	4,493718E+18	0,000000E+00	0,000000E+00	4,492625E+18	5,172642E+20
-54	2,268421E+21	4,788684E+21	6,535542E+21	6,535451E+21	4,788428E+21	2,268234E+21	5,172125E+20	4,491853E+18	0,000000E+00	0,000000E+00	4,494577E+18	5,173741E+20
-53	2,268455E+21	4,788425E+21	6,534999E+21	6,535012E+21	4,788447E+21	2,268452E+21	5,173617E+20	4,494729E+18	0,000000E+00	0,000000E+00	4,493767E+18	5,172470E+20
-52	2,268192E+21	4,788178E+21	6,535108E+21	6,535230E+21	4,788498E+21	2,268415E+21	5,173285E+20	4,495823E+18	0,000000E+00	0,000000E+00	4,496306E+18	5,173475E+20
-51	2,268452E+21	4,788465E+21	6,535095E+21	6,534967E+21	4,788168E+21	2,268224E+21	5,172478E+20	4,493541E+18	0,000000E+00	0,000000E+00	4,494707E+18	5,173442E+20
-50	2,268361E+21	4,788249E+21	6,534867E+21	6,534992E+21	4,788492E+21	2,268515E+21	5,173991E+20	4,495259E+18	0,000000E+00	0,000000E+00	4,492219E+18	5,172180E+20
-49	2,268241E+21	4,788417E+21	6,535371E+21	6,535374E+21	4,788512E+21	2,268344E+21	5,172656E+20	4,493858E+18	0,000000E+00	0,000000E+00	4,494375E+18	5,173582E+20

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												
-48	2,268542E+21	4,788691E+21	6,535344E+21	6,535185E+21	4,788408E+21	2,268342E+21	5,172577E+20	4,490391E+18	0,000000E+00	0,000000E+00	4,489414E+18	5,172609E+20
-47	2,268332E+21	4,788463E+21	6,535424E+21	6,535629E+21	4,788868E+21	2,268572E+21	5,173448E+20	4,490775E+18	0,000000E+00	0,000000E+00	4,489539E+18	5,172231E+20
-46	2,268454E+21	4,788889E+21	6,535867E+21	6,535863E+21	4,788809E+21	2,268351E+21	5,171709E+20	4,487856E+18	0,000000E+00	0,000000E+00	4,489645E+18	5,173435E+20
-45	2,268641E+21	4,789020E+21	6,535761E+21	6,535669E+21	4,788898E+21	2,268537E+21	5,172579E+20	4,484722E+18	0,000000E+00	0,000000E+00	4,484219E+18	5,171863E+20
-44	2,268399E+21	4,788870E+21	6,536034E+21	6,536121E+21	4,789155E+21	2,268619E+21	5,172785E+20	4,487506E+18	0,000000E+00	0,000000E+00	4,487244E+18	5,172304E+20
-43	2,268588E+21	4,789186E+21	6,536186E+21	6,536069E+21	4,788902E+21	2,268386E+21	5,171586E+20	4,484665E+18	0,000000E+00	0,000000E+00	4,484972E+18	5,172739E+20
-42	2,268544E+21	4,788960E+21	6,535816E+21	6,535902E+21	4,789122E+21	2,268647E+21	5,173173E+20	4,486710E+18	0,000000E+00	0,000000E+00	4,485453E+18	5,171567E+20
-41	2,268332E+21	4,788804E+21	6,535963E+21	6,536044E+21	4,789067E+21	2,268534E+21	5,172452E+20	4,489449E+18	0,000000E+00	0,000000E+00	4,489868E+18	5,173113E+20
-40	2,268613E+21	4,788964E+21	6,535709E+21	6,535524E+21	4,788601E+21	2,268351E+21	5,172049E+20	4,486589E+18	0,000000E+00	0,000000E+00	4,488459E+18	5,172867E+20
-39	2,268429E+21	4,788546E+21	6,535337E+21	6,535459E+21	4,788747E+21	2,268544E+21	5,173585E+20	4,492519E+18	0,000000E+00	0,000000E+00	4,492074E+18	5,172254E+20
-38	2,268348E+21	4,788606E+21	6,535478E+21	6,535424E+21	4,788482E+21	2,268280E+21	5,172281E+20	4,492724E+18	0,000000E+00	0,000000E+00	4,495033E+18	5,173837E+20
-37	2,268506E+21	4,788548E+21	6,535105E+21	6,534882E+21	4,788195E+21	2,268305E+21	5,173112E+20	4,494124E+18	0,000000E+00	0,000000E+00	4,494845E+18	5,172831E+20
-36	2,268186E+21	4,788017E+21	6,534860E+21	6,534999E+21	4,788360E+21	2,268432E+21	5,174003E+20	4,499500E+18	0,000000E+00	0,000000E+00	4,498286E+18	5,173045E+20
-35	2,268259E+21	4,788129E+21	6,534800E+21	6,534753E+21	4,787976E+21	2,268143E+21	5,172717E+20	4,497997E+18	0,000000E+00	0,000000E+00	4,500275E+18	5,174219E+20
-34	2,268328E+21	4,787933E+21	6,534309E+21	6,534337E+21	4,787995E+21	2,268351E+21	5,174174E+20	4,500672E+18	0,000000E+00	0,000000E+00	4,499077E+18	5,172895E+20
-33	2,268075E+21	4,787713E+21	6,534436E+21	6,534572E+21	4,788054E+21	2,268313E+21	5,173831E+20	4,501563E+18	0,000000E+00	0,000000E+00	4,501453E+18	5,173879E+20
-32	2,268358E+21	4,788075E+21	6,534494E+21	6,534297E+21	4,787667E+21	2,268087E+21	5,172903E+20	4,498971E+18	0,000000E+00	0,000000E+00	4,500035E+18	5,173913E+20
-31	2,268256E+21	4,787861E+21	6,534359E+21	6,534462E+21	4,788041E+21	2,268357E+21	5,174255E+20	4,499759E+18	0,000000E+00	0,000000E+00	4,497368E+18	5,172632E+20
-30	2,268136E+21	4,788013E+21	6,534827E+21	6,534863E+21	4,788140E+21	2,268229E+21	5,172947E+20	4,498411E+18	0,000000E+00	0,000000E+00	4,499875E+18	5,174117E+20
-29	2,268452E+21	4,788323E+21	6,534864E+21	6,534695E+21	4,788038E+21	2,268238E+21	5,172876E+20	4,494639E+18	0,000000E+00	0,000000E+00	4,494293E+18	5,173124E+20
-28	2,268272E+21	4,788125E+21	6,534915E+21	6,535120E+21	4,788509E+21	2,268478E+21	5,173760E+20	4,494806E+18	0,000000E+00	0,000000E+00	4,493807E+18	5,172514E+20
-27	2,268347E+21	4,788521E+21	6,535327E+21	6,535295E+21	4,788418E+21	2,268269E+21	5,172196E+20	4,492853E+18	0,000000E+00	0,000000E+00	4,493813E+18	5,173674E+20
-26	2,268515E+21	4,788636E+21	6,535256E+21	6,535152E+21	4,788516E+21	2,268449E+21	5,173127E+20	4,490381E+18	0,000000E+00	0,000000E+00	4,488867E+18	5,172103E+20
-25	2,268243E+21	4,788388E+21	6,535430E+21	6,535588E+21	4,788787E+21	2,268534E+21	5,173368E+20	4,493592E+18	0,000000E+00	0,000000E+00	4,492564E+18	5,172697E+20
-24	2,268456E+21	4,788703E+21	6,535512E+21	6,535406E+21	4,788437E+21	2,268262E+21	5,172034E+20	4,490338E+18	0,000000E+00	0,000000E+00	4,491158E+18	5,173345E+20
-23	2,268435E+21	4,788484E+21	6,535152E+21	6,535231E+21	4,788604E+21	2,268487E+21	5,173486E+20	4,491787E+18	0,000000E+00	0,000000E+00	4,491692E+18	5,172165E+20
-22	2,268238E+21	4,788355E+21	6,535285E+21	6,535357E+21	4,788567E+21	2,268392E+21	5,172829E+20	4,494737E+18	0,000000E+00	0,000000E+00	4,496094E+18	5,173688E+20
-21	2,268514E+21	4,788566E+21	6,535141E+21	6,534883E+21	4,788101E+21	2,268210E+21	5,172491E+20	4,492374E+18	0,000000E+00	0,000000E+00	4,494467E+18	5,173379E+20
-20	2,268322E+21	4,788122E+21	6,534752E+21	6,534851E+21	4,788284E+21	2,268420E+21	5,174081E+20	4,498473E+18	0,000000E+00	0,000000E+00	4,497545E+18	5,172581E+20
-19	2,268176E+21	4,788083E+21	6,534816E+21	6,534790E+21	4,788030E+21	2,268176E+21	5,172937E+20	4,499524E+18	0,000000E+00	0,000000E+00	4,501075E+18	5,174280E+20
-18	2,268342E+21	4,787992E+21	6,534388E+21	6,534237E+21	4,787757E+21	2,268204E+21	5,173760E+20	4,501191E+18	0,000000E+00	0,000000E+00	4,501308E+18	5,173347E+20
-17	2,268034E+21	4,787436E+21	6,534061E+21	6,534287E+21	4,787905E+21	2,268337E+21	5,174625E+20	4,505972E+18	0,000000E+00	0,000000E+00	4,504575E+18	5,173626E+20
-16	2,268155E+21	4,787643E+21	6,534046E+21	6,533960E+21	4,787414E+21	2,267995E+21	5,173172E+20	4,503859E+18	0,000000E+00	0,000000E+00	4,506588E+18	5,174808E+20
-15	2,268232E+21	4,787508E+21	6,533675E+21	6,533638E+21	4,787434E+21	2,268176E+21	5,174488E+20	4,505655E+18	0,000000E+00	0,000000E+00	4,504550E+18	5,173342E+20
-14	2,267965E+21	4,787311E+21	6,533864E+21	6,533971E+21	4,787588E+21	2,268175E+21	5,174202E+20	4,506646E+18	0,000000E+00	0,000000E+00	4,506934E+18	5,174302E+20
-13	2,268236E+21	4,787695E+21	6,534026E+21	6,533810E+21	4,787272E+21	2,267964E+21	5,173257E+20	4,503984E+18	0,000000E+00	0,000000E+00	4,505127E+18	5,174374E+20

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°
-12	2,268159E+21	4,787477E+21	6,533845E+21	6,533992E+21	4,787705E+21	2,268261E+21	5,174554E+20	4,504000E+18	0,000000E+00	0,000000E+00	4,501851E+18	5,172975E+20
-11	2,268021E+21	4,787605E+21	6,534264E+21	6,534331E+21	4,787786E+21	2,268156E+21	5,173406E+20	4,503196E+18	0,000000E+00	0,000000E+00	4,504383E+18	5,174488E+20
-10	2,268356E+21	4,787948E+21	6,534333E+21	6,534197E+21	4,787696E+21	2,268161E+21	5,173342E+20	4,499470E+18	0,000000E+00	0,000000E+00	4,498544E+18	5,173414E+20
-9	2,268164E+21	4,787742E+21	6,534366E+21	6,534592E+21	4,788157E+21	2,268410E+21	5,174297E+20	4,499978E+18	0,000000E+00	0,000000E+00	4,498221E+18	5,172808E+20
-8	2,268232E+21	4,788137E+21	6,534780E+21	6,534705E+21	4,787972E+21	2,268153E+21	5,172662E+20	4,498187E+18	0,000000E+00	0,000000E+00	4,498823E+18	5,174052E+20
-7	2,268384E+21	4,788208E+21	6,534708E+21	6,534612E+21	4,788067E+21	2,268302E+21	5,173465E+20	4,495278E+18	0,000000E+00	0,000000E+00	4,494431E+18	5,172595E+20
-6	2,268125E+21	4,787927E+21	6,534779E+21	6,534983E+21	4,788360E+21	2,268413E+21	5,173743E+20	4,498797E+18	0,000000E+00	0,000000E+00	4,498771E+18	5,173316E+20
-5	2,268355E+21	4,788276E+21	6,534905E+21	6,534778E+21	4,787972E+21	2,268131E+21	5,172408E+20	4,495399E+18	0,000000E+00	0,000000E+00	4,497173E+18	5,173999E+20
-4	2,268370E+21	4,788095E+21	6,534537E+21	6,534593E+21	4,788131E+21	2,268349E+21	5,173825E+20	4,496821E+18	0,000000E+00	0,000000E+00	4,497078E+18	5,172572E+20
-3	2,268116E+21	4,787923E+21	6,534655E+21	6,534686E+21	4,788076E+21	2,268276E+21	5,173411E+20	4,500880E+18	0,000000E+00	0,000000E+00	4,501449E+18	5,174040E+20
-2	2,268364E+21	4,788095E+21	6,534533E+21	6,534299E+21	4,787659E+21	2,268100E+21	5,173143E+20	4,499349E+18	0,000000E+00	0,000000E+00	4,500319E+18	5,173722E+20
-1	2,268145E+21	4,787572E+21	6,534053E+21	6,534230E+21	4,787861E+21	2,268326E+21	5,174760E+20	4,505562E+18	0,000000E+00	0,000000E+00	4,503852E+18	5,173074E+20
1	2,268016E+21	4,787514E+21	6,534036E+21	6,534036E+21	4,787512E+21	2,268050E+21	5,173502E+20	4,506056E+18	0,000000E+00	0,000000E+00	4,507946E+18	5,174906E+20
2	2,268213E+21	4,787459E+21	6,533640E+21	6,533508E+21	4,787210E+21	2,268044E+21	5,174142E+20	4,506703E+18	0,000000E+00	0,000000E+00	4,507931E+18	5,173995E+20
3	2,267937E+21	4,786965E+21	6,533321E+21	6,533547E+21	4,787383E+21	2,268191E+21	5,175012E+20	4,511235E+18	0,000000E+00	0,000000E+00	4,510776E+18	5,174197E+20
4	2,268053E+21	4,787250E+21	6,533470E+21	6,533304E+21	4,786906E+21	2,267849E+21	5,173570E+20	4,509223E+18	0,000000E+00	0,000000E+00	4,512172E+18	5,175300E+20
5	2,268138E+21	4,787134E+21	6,533153E+21	6,533081E+21	4,786986E+21	2,268038E+21	5,174838E+20	4,510728E+18	0,000000E+00	0,000000E+00	4,509191E+18	5,173622E+20
6	2,267818E+21	4,786874E+21	6,533310E+21	6,533434E+21	4,787193E+21	2,268074E+21	5,174726E+20	4,512360E+18	0,000000E+00	0,000000E+00	4,511922E+18	5,174674E+20
7	2,268106E+21	4,787251E+21	6,533451E+21	6,533317E+21	4,786945E+21	2,267887E+21	5,173784E+20	4,509753E+18	0,000000E+00	0,000000E+00	4,510081E+18	5,174767E+20
8	2,268045E+21	4,787043E+21	6,533235E+21	6,533446E+21	4,787363E+21	2,268194E+21	5,175074E+20	4,509212E+18	0,000000E+00	0,000000E+00	4,506728E+18	5,173415E+20
9	2,267934E+21	4,787223E+21	6,533673E+21	6,533709E+21	4,787349E+21	2,268049E+21	5,173842E+20	4,508170E+18	0,000000E+00	0,000000E+00	4,509331E+18	5,174881E+20
10	2,268255E+21	4,787584E+21	6,533824E+21	6,533652E+21	4,787250E+21	2,268023E+21	5,173652E+20	4,503811E+18	0,000000E+00	0,000000E+00	4,503303E+18	5,173764E+20
11	2,268047E+21	4,787353E+21	6,533826E+21	6,534059E+21	4,787754E+21	2,268292E+21	5,174672E+20	4,504853E+18	0,000000E+00	0,000000E+00	4,503561E+18	5,173214E+20
12	2,268097E+21	4,787729E+21	6,534271E+21	6,534199E+21	4,787581E+21	2,268034E+21	5,173016E+20	4,503088E+18	0,000000E+00	0,000000E+00	4,504231E+18	5,174574E+20
13	2,268285E+21	4,787791E+21	6,534122E+21	6,534056E+21	4,787671E+21	2,268184E+21	5,173762E+20	4,499842E+18	0,000000E+00	0,000000E+00	4,499532E+18	5,173039E+20
14	2,268012E+21	4,787489E+21	6,534146E+21	6,534350E+21	4,787923E+21	2,268308E+21	5,174231E+20	4,504180E+18	0,000000E+00	0,000000E+00	4,504091E+18	5,173805E+20
15	2,268260E+21	4,787864E+21	6,534281E+21	6,534172E+21	4,787550E+21	2,268025E+21	5,172949E+20	4,501292E+18	0,000000E+00	0,000000E+00	4,502469E+18	5,174394E+20
16	2,268251E+21	4,787663E+21	6,533907E+21	6,533961E+21	4,787692E+21	2,268251E+21	5,174436E+20	4,503240E+18	0,000000E+00	0,000000E+00	4,502713E+18	5,172996E+20
17	2,267980E+21	4,787456E+21	6,534015E+21	6,534013E+21	4,787560E+21	2,268136E+21	5,173979E+20	4,507416E+18	0,000000E+00	0,000000E+00	4,507725E+18	5,174516E+20
18	2,268208E+21	4,787571E+21	6,533865E+21	6,533660E+21	4,787149E+21	2,267940E+21	5,173584E+20	4,505513E+18	0,000000E+00	0,000000E+00	4,507282E+18	5,174325E+20
19	2,268004E+21	4,787030E+21	6,533283E+21	6,533508E+21	4,787370E+21	2,268197E+21	5,175236E+20	4,511679E+18	0,000000E+00	0,000000E+00	4,510932E+18	5,173762E+20
20	2,267894E+21	4,787025E+21	6,533335E+21	6,533309E+21	4,786987E+21	2,267906E+21	5,173945E+20	4,511796E+18	0,000000E+00	0,000000E+00	4,514473E+18	5,175549E+20
21	2,268126E+21	4,787024E+21	6,532966E+21	6,532801E+21	4,786692E+21	2,267894E+21	5,174517E+20	4,512120E+18	0,000000E+00	0,000000E+00	4,513299E+18	5,174376E+20
22	2,267804E+21	4,786521E+21	6,532688E+21	6,532866E+21	4,786883E+21	2,268065E+21	5,175575E+20	4,517274E+18	0,000000E+00	0,000000E+00	4,515875E+18	5,174534E+20
23	2,267908E+21	4,786789E+21	6,532879E+21	6,532754E+21	4,786502E+21	2,267742E+21	5,174171E+20	4,515774E+18	0,000000E+00	0,000000E+00	4,517331E+18	5,175603E+20
24	2,267981E+21	4,786650E+21	6,532543E+21	6,532542E+21	4,786628E+21	2,267956E+21	5,175398E+20	4,516783E+18	0,000000E+00	0,000000E+00	4,514496E+18	5,174072E+20

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	2,267693E+21	4,786409E+21	6,532677E+21	6,532813E+21	4,786761E+21	2,267965E+21	5,175191E+20	4,517787E+18	0,000000E+00	0,000000E+00	4,517517E+18	5,175185E+20
26	2,268007E+21	4,786832E+21	6,532870E+21	6,532751E+21	4,786515E+21	2,267758E+21	5,174090E+20	4,514189E+18	0,000000E+00	0,000000E+00	4,515376E+18	5,175268E+20
27	2,267966E+21	4,786679E+21	6,532660E+21	6,532862E+21	4,786961E+21	2,268084E+21	5,175399E+20	4,513471E+18	0,000000E+00	0,000000E+00	4,511843E+18	5,173868E+20
28	2,267840E+21	4,786898E+21	6,533211E+21	6,533178E+21	4,786942E+21	2,267934E+21	5,174184E+20	4,512617E+18	0,000000E+00	0,000000E+00	4,514047E+18	5,175270E+20
29	2,268160E+21	4,787241E+21	6,533361E+21	6,533175E+21	4,786872E+21	2,267900E+21	5,173937E+20	4,508108E+18	0,000000E+00	0,000000E+00	4,507576E+18	5,174052E+20
30	2,267913E+21	4,786932E+21	6,533269E+21	6,533520E+21	4,787379E+21	2,268194E+21	5,175139E+20	4,510127E+18	0,000000E+00	0,000000E+00	4,508593E+18	5,173651E+20
31	2,267982E+21	4,787277E+21	6,533657E+21	6,533660E+21	4,787233E+21	2,267951E+21	5,173531E+20	4,508683E+18	0,000000E+00	0,000000E+00	4,509349E+18	5,175030E+20
32	2,268185E+21	4,787367E+21	6,533495E+21	6,533443E+21	4,787265E+21	2,268091E+21	5,174261E+20	4,505422E+18	0,000000E+00	0,000000E+00	4,504937E+18	5,173548E+20
33	2,267922E+21	4,787085E+21	6,533517E+21	6,533650E+21	4,787407E+21	2,268169E+21	5,174709E+20	4,509957E+18	0,000000E+00	0,000000E+00	4,509646E+18	5,174234E+20
34	2,268143E+21	4,787448E+21	6,533712E+21	6,533555E+21	4,787048E+21	2,267872E+21	5,173367E+20	4,506824E+18	0,000000E+00	0,000000E+00	4,508323E+18	5,174814E+20
35	2,268110E+21	4,787198E+21	6,533279E+21	6,533341E+21	4,787230E+21	2,268118E+21	5,174922E+20	4,509435E+18	0,000000E+00	0,000000E+00	4,509196E+18	5,173505E+20
36	2,267821E+21	4,786956E+21	6,533379E+21	6,533388E+21	4,787102E+21	2,268006E+21	5,174458E+20	4,513422E+18	0,000000E+00	0,000000E+00	4,514225E+18	5,175099E+20
37	2,268078E+21	4,787060E+21	6,533166E+21	6,532992E+21	4,786680E+21	2,267807E+21	5,173994E+20	4,511181E+18	0,000000E+00	0,000000E+00	4,513408E+18	5,174826E+20
38	2,267864E+21	4,786507E+21	6,532538E+21	6,532763E+21	4,786865E+21	2,268077E+21	5,175802E+20	4,517869E+18	0,000000E+00	0,000000E+00	4,516854E+18	5,174285E+20
39	2,267773E+21	4,786526E+21	6,532619E+21	6,532623E+21	4,786523E+21	2,267793E+21	5,174558E+20	4,518347E+18	0,000000E+00	0,000000E+00	4,520054E+18	5,175927E+20
40	2,267988E+21	4,786552E+21	6,532303E+21	6,532123E+21	4,786219E+21	2,267784E+21	5,175139E+20	4,518812E+18	0,000000E+00	0,000000E+00	4,518916E+18	5,174807E+20
41	2,267664E+21	4,786040E+21	6,532046E+21	6,532192E+21	4,786365E+21	2,267917E+21	5,176114E+20	4,523699E+18	0,000000E+00	0,000000E+00	4,521791E+18	5,175008E+20
42	2,267770E+21	4,786301E+21	6,532255E+21	6,532158E+21	4,786044E+21	2,267600E+21	5,174573E+20	4,521473E+18	0,000000E+00	0,000000E+00	4,523718E+18	5,176195E+20
43	2,267873E+21	4,786189E+21	6,531886E+21	6,531915E+21	4,786204E+21	2,267840E+21	5,175767E+20	4,521881E+18	0,000000E+00	0,000000E+00	4,520693E+18	5,174713E+20
44	2,267612E+21	4,786037E+21	6,532124E+21	6,532215E+21	4,786325E+21	2,267841E+21	5,175510E+20	4,522270E+18	0,000000E+00	0,000000E+00	4,522930E+18	5,175714E+20
45	2,267945E+21	4,786502E+21	6,532356E+21	6,532199E+21	4,786110E+21	2,267636E+21	5,174350E+20	4,518329E+18	0,000000E+00	0,000000E+00	4,519485E+18	5,175508E+20
46	2,267845E+21	4,786318E+21	6,532172E+21	6,532328E+21	4,786575E+21	2,267989E+21	5,175859E+20	4,518292E+18	0,000000E+00	0,000000E+00	4,515992E+18	5,174126E+20
47	2,267707E+21	4,786476E+21	6,532698E+21	6,532728E+21	4,786630E+21	2,267854E+21	5,174709E+20	4,518180E+18	0,000000E+00	0,000000E+00	4,518284E+18	5,175486E+20
48	2,268011E+21	4,786787E+21	6,532786E+21	6,532663E+21	4,786551E+21	2,267833E+21	5,174448E+20	4,513468E+18	0,000000E+00	0,000000E+00	4,512370E+18	5,174493E+20
49	2,267801E+21	4,786490E+21	6,532654E+21	6,532897E+21	4,786939E+21	2,268077E+21	5,175564E+20	4,515304E+18	0,000000E+00	0,000000E+00	4,513999E+18	5,174168E+20
50	2,267897E+21	4,786871E+21	6,533070E+21	6,533051E+21	4,786774E+21	2,267816E+21	5,173873E+20	4,513372E+18	0,000000E+00	0,000000E+00	4,514853E+18	5,175546E+20
51	2,268105E+21	4,786991E+21	6,532909E+21	6,532813E+21	4,786813E+21	2,267964E+21	5,174634E+20	4,510527E+18	0,000000E+00	0,000000E+00	4,510683E+18	5,174035E+20
52	2,267819E+21	4,786728E+21	6,533017E+21	6,533061E+21	4,786939E+21	2,268031E+21	5,175112E+20	4,515361E+18	0,000000E+00	0,000000E+00	4,515209E+18	5,174661E+20
53	2,268018E+21	4,787021E+21	6,533161E+21	6,533003E+21	4,786619E+21	2,267735E+21	5,173753E+20	4,512359E+18	0,000000E+00	0,000000E+00	4,513809E+18	5,175165E+20
54	2,267943E+21	4,786672E+21	6,532612E+21	6,532705E+21	4,786799E+21	2,268013E+21	5,175502E+20	4,515926E+18	0,000000E+00	0,000000E+00	4,515479E+18	5,174067E+20
55	2,267680E+21	4,786386E+21	6,532621E+21	6,532727E+21	4,786683E+21	2,267912E+21	5,175097E+20	4,520101E+18	0,000000E+00	0,000000E+00	4,520348E+18	5,175599E+20
56	2,267945E+21	4,786534E+21	6,532407E+21	6,532251E+21	4,786198E+21	2,267703E+21	5,174618E+20	4,517803E+18	0,000000E+00	0,000000E+00	4,519732E+18	5,175403E+20
57	2,267747E+21	4,786015E+21	6,531807E+21	6,531955E+21	4,786272E+21	2,267918E+21	5,176344E+20	4,524411E+18	0,000000E+00	0,000000E+00	4,522977E+18	5,174772E+20
58	2,267643E+21	4,786046E+21	6,531967E+21	6,531920E+21	4,785965E+21	2,267628E+21	5,175024E+20	4,524478E+18	0,000000E+00	0,000000E+00	4,526424E+18	5,176408E+20
59	2,267850E+21	4,786064E+21	6,531648E+21	6,531470E+21	4,785733E+21	2,267639E+21	5,175575E+20	4,524985E+18	0,000000E+00	0,000000E+00	4,525467E+18	5,175373E+20
60	2,267536E+21	4,785588E+21	6,531443E+21	6,531579E+21	4,785911E+21	2,267779E+21	5,176478E+20	4,529023E+18	0,000000E+00	0,000000E+00	4,527908E+18	5,175606E+20

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	2,267679E+21	4,785879E+21	6,531659E+21	6,531577E+21	4,785633E+21	2,267479E+21	5,174878E+20	4,526203E+18	0,000000E+00	0,000000E+00	4,528992E+18	5,176637E+20
62	2,267770E+21	4,785780E+21	6,531302E+21	6,531317E+21	4,785799E+21	2,267744E+21	5,176213E+20	4,526752E+18	0,000000E+00	0,000000E+00	4,525450E+18	5,175138E+20
63	2,267517E+21	4,785634E+21	6,531567E+21	6,531696E+21	4,785982E+21	2,267766E+21	5,176041E+20	4,527555E+18	0,000000E+00	0,000000E+00	4,527034E+18	5,175900E+20
64	2,267813E+21	4,786113E+21	6,531851E+21	6,531687E+21	4,785753E+21	2,267562E+21	5,174882E+20	4,523722E+18	0,000000E+00	0,000000E+00	4,523770E+18	5,175783E+20
65	2,267705E+21	4,785885E+21	6,531625E+21	6,531757E+21	4,786141E+21	2,267868E+21	5,176319E+20	4,523691E+18	0,000000E+00	0,000000E+00	4,520851E+18	5,174494E+20
66	2,267582E+21	4,786023E+21	6,532114E+21	6,532172E+21	4,786230E+21	2,267740E+21	5,175080E+20	4,523176E+18	0,000000E+00	0,000000E+00	4,523819E+18	5,176000E+20
67	2,267918E+21	4,786363E+21	6,532166E+21	6,532051E+21	4,786137E+21	2,267721E+21	5,174797E+20	4,518309E+18	0,000000E+00	0,000000E+00	4,518124E+18	5,175092E+20
68	2,267737E+21	4,786153E+21	6,532121E+21	6,532292E+21	4,786480E+21	2,267937E+21	5,175850E+20	4,519856E+18	0,000000E+00	0,000000E+00	4,519423E+18	5,174688E+20
69	2,267832E+21	4,786542E+21	6,532568E+21	6,532491E+21	4,786341E+21	2,267680E+21	5,174170E+20	4,517964E+18	0,000000E+00	0,000000E+00	4,519456E+18	5,175819E+20
70	2,267972E+21	4,786586E+21	6,532394E+21	6,532257E+21	4,786393E+21	2,267854E+21	5,175130E+20	4,516187E+18	0,000000E+00	0,000000E+00	4,515937E+18	5,174398E+20
71	2,267669E+21	4,786227E+21	6,532416E+21	6,532550E+21	4,786586E+21	2,267944E+21	5,175713E+20	4,521769E+18	0,000000E+00	0,000000E+00	4,520556E+18	5,174966E+20
72	2,267845E+21	4,786482E+21	6,532476E+21	6,532383E+21	4,786228E+21	2,267658E+21	5,174366E+20	4,518769E+18	0,000000E+00	0,000000E+00	4,519990E+18	5,175706E+20
73	2,267800E+21	4,786118E+21	6,531854E+21	6,531937E+21	4,786263E+21	2,267881E+21	5,176062E+20	4,522401E+18	0,000000E+00	0,000000E+00	4,522040E+18	5,174687E+20
74	2,267572E+21	4,785871E+21	6,531867E+21	6,531959E+21	4,786134E+21	2,267765E+21	5,175565E+20	4,525985E+18	0,000000E+00	0,000000E+00	4,526967E+18	5,176192E+20
75	2,267838E+21	4,786058E+21	6,531681E+21	6,531478E+21	4,785645E+21	2,267553E+21	5,175093E+20	4,524024E+18	0,000000E+00	0,000000E+00	4,526440E+18	5,175995E+20
76	2,267639E+21	4,785601E+21	6,531209E+21	6,531263E+21	4,785710E+21	2,267741E+21	5,176733E+20	4,530308E+18	0,000000E+00	0,000000E+00	4,529217E+18	5,175313E+20
77	2,267528E+21	4,785598E+21	6,531368E+21	6,531310E+21	4,785485E+21	2,267471E+21	5,175396E+20	4,530196E+18	0,000000E+00	0,000000E+00	4,532254E+18	5,176827E+20
78	2,267702E+21	4,785567E+21	6,531012E+21	6,530857E+21	4,785306E+21	2,267531E+21	5,176080E+20	4,531041E+18	0,000000E+00	0,000000E+00	4,531478E+18	5,175937E+20
79	2,267425E+21	4,785102E+21	6,530792E+21	6,531005E+21	4,785536E+21	2,267695E+21	5,177032E+20	4,534909E+18	0,000000E+00	0,000000E+00	4,533092E+18	5,175978E+20
80	2,267561E+21	4,785444E+21	6,531038E+21	6,530965E+21	4,785244E+21	2,267407E+21	5,175450E+20	4,531945E+18	0,000000E+00	0,000000E+00	4,533995E+18	5,177000E+20
81	2,267646E+21	4,785353E+21	6,530715E+21	6,530682E+21	4,785331E+21	2,267628E+21	5,176710E+20	4,532193E+18	0,000000E+00	0,000000E+00	4,530080E+18	5,175445E+20
82	2,267389E+21	4,785203E+21	6,531011E+21	6,531137E+21	4,785552E+21	2,267649E+21	5,176476E+20	4,532739E+18	0,000000E+00	0,000000E+00	4,532072E+18	5,176211E+20
83	2,267670E+21	4,785655E+21	6,531266E+21	6,531138E+21	4,785363E+21	2,267454E+21	5,175277E+20	4,528862E+18	0,000000E+00	0,000000E+00	4,529175E+18	5,176254E+20
84	2,267598E+21	4,785496E+21	6,531088E+21	6,531202E+21	4,785721E+21	2,267738E+21	5,176575E+20	4,528015E+18	0,000000E+00	0,000000E+00	4,526216E+18	5,175055E+20
85	2,267517E+21	4,785666E+21	6,531576E+21	6,531625E+21	4,785826E+21	2,267616E+21	5,175309E+20	4,527228E+18	0,000000E+00	0,000000E+00	4,528538E+18	5,176415E+20
86	2,267837E+21	4,786011E+21	6,531642E+21	6,531499E+21	4,785745E+21	2,267619E+21	5,175167E+20	4,522829E+18	0,000000E+00	0,000000E+00	4,522904E+18	5,175541E+20
87	2,267660E+21	4,785790E+21	6,531611E+21	6,531800E+21	4,786129E+21	2,267851E+21	5,176333E+20	4,525162E+18	0,000000E+00	0,000000E+00	4,523823E+18	5,174915E+20
88	2,267701E+21	4,786148E+21	6,532060E+21	6,531979E+21	4,785977E+21	2,267604E+21	5,174740E+20	4,523760E+18	0,000000E+00	0,000000E+00	4,524439E+18	5,176148E+20
89	2,267815E+21	4,786094E+21	6,531782E+21	6,531654E+21	4,785937E+21	2,267731E+21	5,175664E+20	4,522405E+18	0,000000E+00	0,000000E+00	4,521937E+18	5,174896E+20
90	2,267532E+21	4,785692E+21	6,531702E+21	6,531883E+21	4,786125E+21	2,267829E+21	5,176207E+20	4,527755E+18	0,000000E+00	0,000000E+00	4,527264E+18	5,175572E+20
91	2,267723E+21	4,785957E+21	6,531714E+21	6,531632E+21	4,785716E+21	2,267531E+21	5,174855E+20	4,524809E+18	0,000000E+00	0,000000E+00	4,526991E+18	5,176394E+20
92	2,267715E+21	4,785691E+21	6,531170E+21	6,531169E+21	4,785677E+21	2,267710E+21	5,176443E+20	4,528172E+18	0,000000E+00	0,000000E+00	4,528525E+18	5,175288E+20
93	2,267484E+21	4,785458E+21	6,531233E+21	6,531255E+21	4,785587E+21	2,267599E+21	5,175948E+20	4,531616E+18	0,000000E+00	0,000000E+00	4,532549E+18	5,176548E+20
94	2,267690E+21	4,785587E+21	6,531062E+21	6,530830E+21	4,785146E+21	2,267414E+21	5,175630E+20	4,530561E+18	0,000000E+00	0,000000E+00	4,532449E+18	5,176442E+20
95	2,267486E+21	4,785067E+21	6,530554E+21	6,530700E+21	4,785308E+21	2,267634E+21	5,177315E+20	4,536989E+18	0,000000E+00	0,000000E+00	4,534795E+18	5,175672E+20
96	2,267365E+21	4,785075E+21	6,530703E+21	6,530701E+21	4,785089E+21	2,267393E+21	5,176015E+20	4,536585E+18	0,000000E+00	0,000000E+00	4,538319E+18	5,177329E+20

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	2,267561E+21	4,785042E+21	6,530312E+21	6,530169E+21	4,784814E+21	2,267413E+21	5,176626E+20	4,537198E+18	0,000000E+00	0,000000E+00	4,537337E+18	5,176454E+20
98	2,267317E+21	4,784635E+21	6,530118E+21	6,530339E+21	4,785074E+21	2,267584E+21	5,177506E+20	4,540293E+18	0,000000E+00	0,000000E+00	4,538720E+18	5,176397E+20
99	2,267439E+21	4,785012E+21	6,530414E+21	6,530316E+21	4,784787E+21	2,267297E+21	5,175923E+20	4,537491E+18	0,000000E+00	0,000000E+00	4,539524E+18	5,177413E+20
100	2,267532E+21	4,784975E+21	6,530189E+21	6,530101E+21	4,784852E+21	2,267479E+21	5,177031E+20	4,537028E+18	0,000000E+00	0,000000E+00	4,535236E+18	5,175894E+20
101	2,267286E+21	4,784803E+21	6,530463E+21	6,530611E+21	4,785147E+21	2,267514E+21	5,176736E+20	4,537262E+18	0,000000E+00	0,000000E+00	4,537035E+18	5,176608E+20
102	2,267554E+21	4,785231E+21	6,530688E+21	6,530595E+21	4,784989E+21	2,267355E+21	5,175642E+20	4,533535E+18	0,000000E+00	0,000000E+00	4,534419E+18	5,176832E+20
103	2,267531E+21	4,785110E+21	6,530534E+21	6,530702E+21	4,785373E+21	2,267647E+21	5,176963E+20	4,532706E+18	0,000000E+00	0,000000E+00	4,530803E+18	5,175439E+20
104	2,267441E+21	4,785340E+21	6,531073E+21	6,531095E+21	4,785458E+21	2,267539E+21	5,175784E+20	4,532205E+18	0,000000E+00	0,000000E+00	4,533117E+18	5,176753E+20
105	2,267726E+21	4,785641E+21	6,531136E+21	6,530940E+21	4,785302E+21	2,267503E+21	5,175635E+20	4,528143E+18	0,000000E+00	0,000000E+00	4,527577E+18	5,175846E+20
106	2,267534E+21	4,785374E+21	6,531071E+21	6,531263E+21	4,785721E+21	2,267745E+21	5,176804E+20	4,530705E+18	0,000000E+00	0,000000E+00	4,529233E+18	5,175247E+20
107	2,267541E+21	4,785651E+21	6,531423E+21	6,531395E+21	4,785575E+21	2,267507E+21	5,175240E+20	4,529585E+18	0,000000E+00	0,000000E+00	4,530497E+18	5,176650E+20
108	2,267691E+21	4,785637E+21	6,531136E+21	6,531010E+21	4,785454E+21	2,267593E+21	5,176038E+20	4,527730E+18	0,000000E+00	0,000000E+00	4,528364E+18	5,175553E+20
109	2,267448E+21	4,785245E+21	6,531014E+21	6,531197E+21	4,785626E+21	2,267685E+21	5,176567E+20	4,532951E+18	0,000000E+00	0,000000E+00	4,533030E+18	5,176063E+20
110	2,267607E+21	4,785497E+21	6,531036E+21	6,530935E+21	4,785219E+21	2,267405E+21	5,175354E+20	4,530601E+18	0,000000E+00	0,000000E+00	4,532983E+18	5,176932E+20
111	2,267606E+21	4,785239E+21	6,530544E+21	6,530545E+21	4,785201E+21	2,267582E+21	5,176986E+20	4,534650E+18	0,000000E+00	0,000000E+00	4,533949E+18	5,175604E+20
112	2,267330E+21	4,784988E+21	6,530617E+21	6,530629E+21	4,785119E+21	2,267486E+21	5,176583E+20	4,538396E+18	0,000000E+00	0,000000E+00	4,538408E+18	5,176936E+20
113	2,267512E+21	4,785027E+21	6,530363E+21	6,530164E+21	4,784650E+21	2,267280E+21	5,176218E+20	4,537611E+18	0,000000E+00	0,000000E+00	4,538993E+18	5,176987E+20
114	2,267346E+21	4,784520E+21	6,529806E+21	6,530002E+21	4,784837E+21	2,267521E+21	5,177847E+20	4,543353E+18	0,000000E+00	0,000000E+00	4,541571E+18	5,176274E+20
115	2,267238E+21	4,784557E+21	6,529955E+21	6,529975E+21	4,784600E+21	2,267283E+21	5,176565E+20	4,542738E+18	0,000000E+00	0,000000E+00	4,545014E+18	5,177938E+20
116	2,267470E+21	4,784634E+21	6,529675E+21	6,529477E+21	4,784281E+21	2,267258E+21	5,176994E+20	4,542520E+18	0,000000E+00	0,000000E+00	4,543249E+18	5,176988E+20
117	2,267226E+21	4,784247E+21	6,529534E+21	6,529719E+21	4,784592E+21	2,267435E+21	5,177825E+20	4,545067E+18	0,000000E+00	0,000000E+00	4,543640E+18	5,176698E+20
118	2,267293E+21	4,784574E+21	6,529852E+21	6,529766E+21	4,784373E+21	2,267181E+21	5,176341E+20	4,542716E+18	0,000000E+00	0,000000E+00	4,544665E+18	5,177827E+20
119	2,267406E+21	4,784524E+21	6,529627E+21	6,529623E+21	4,784508E+21	2,267381E+21	5,177438E+20	4,542076E+18	0,000000E+00	0,000000E+00	4,539762E+18	5,176241E+20
120	2,267173E+21	4,784405E+21	6,529913E+21	6,530085E+21	4,784798E+21	2,267441E+21	5,177206E+20	4,542203E+18	0,000000E+00	0,000000E+00	4,541913E+18	5,177048E+20
121	2,267455E+21	4,784830E+21	6,530116E+21	6,530023E+21	4,784575E+21	2,267250E+21	5,176075E+20	4,538469E+18	0,000000E+00	0,000000E+00	4,539112E+18	5,177283E+20
122	2,267461E+21	4,784766E+21	6,529994E+21	6,530143E+21	4,784982E+21	2,267551E+21	5,177359E+20	4,537421E+18	0,000000E+00	0,000000E+00	4,535666E+18	5,175798E+20
123	2,267336E+21	4,784981E+21	6,530561E+21	6,530550E+21	4,785056E+21	2,267444E+21	5,176269E+20	4,537513E+18	0,000000E+00	0,000000E+00	4,538176E+18	5,177101E+20
124	2,267611E+21	4,785279E+21	6,530646E+21	6,530420E+21	4,784859E+21	2,267362E+21	5,175989E+20	4,533176E+18	0,000000E+00	0,000000E+00	4,532923E+18	5,176283E+20
125	2,267416E+21	4,784947E+21	6,530486E+21	6,530719E+21	4,785316E+21	2,267618E+21	5,177145E+20	4,535806E+18	0,000000E+00	0,000000E+00	4,534734E+18	5,175679E+20
126	2,267399E+21	4,785161E+21	6,530758E+21	6,530774E+21	4,785154E+21	2,267403E+21	5,175712E+20	4,535098E+18	0,000000E+00	0,000000E+00	4,536511E+18	5,177239E+20
127	2,267587E+21	4,785158E+21	6,530456E+21	6,530384E+21	4,785012E+21	2,267480E+21	5,176548E+20	4,533638E+18	0,000000E+00	0,000000E+00	4,533922E+18	5,175998E+20
128	2,267338E+21	4,784822E+21	6,530371E+21	6,530523E+21	4,785148E+21	2,267575E+21	5,177151E+20	4,539162E+18	0,000000E+00	0,000000E+00	4,538649E+18	5,176469E+20
129	2,267457E+21	4,785005E+21	6,530370E+21	6,530231E+21	4,784677E+21	2,267258E+21	5,175946E+20	4,537352E+18	0,000000E+00	0,000000E+00	4,538939E+18	5,177352E+20
130	2,267454E+21	4,784723E+21	6,529859E+21	6,529872E+21	4,784706E+21	2,267447E+21	5,177519E+20	4,541390E+18	0,000000E+00	0,000000E+00	4,540509E+18	5,176072E+20
131	2,267159E+21	4,784430E+21	6,529884E+21	6,529941E+21	4,784638E+21	2,267365E+21	5,177155E+20	4,545069E+18	0,000000E+00	0,000000E+00	4,545385E+18	5,177548E+20
132	2,267387E+21	4,784530E+21	6,529652E+21	6,529458E+21	4,784119E+21	2,267125E+21	5,176627E+20	4,543549E+18	0,000000E+00	0,000000E+00	4,546041E+18	5,177693E+20

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	2,267259E+21	4,784068E+21	6,529107E+21	6,529308E+21	4,784336E+21	2,267374E+21	5,178200E+20	4,548547E+18	0,000000E+00	0,000000E+00	4,547528E+18	5,176797E+20
134	2,267122E+21	4,784109E+21	6,529300E+21	6,529307E+21	4,784131E+21	2,267166E+21	5,177041E+20	4,548200E+18	0,000000E+00	0,000000E+00	4,550760E+18	5,178423E+20
135	2,267359E+21	4,784205E+21	6,529099E+21	6,528917E+21	4,783855E+21	2,267144E+21	5,177488E+20	4,548189E+18	0,000000E+00	0,000000E+00	4,547988E+18	5,177282E+20
136	2,267090E+21	4,783832E+21	6,528983E+21	6,529172E+21	4,784191E+21	2,267334E+21	5,178348E+20	4,550670E+18	0,000000E+00	0,000000E+00	4,548594E+18	5,177041E+20
137	2,267137E+21	4,784080E+21	6,529227E+21	6,529183E+21	4,783956E+21	2,267070E+21	5,176828E+20	4,548477E+18	0,000000E+00	0,000000E+00	4,549932E+18	5,178308E+20
138	2,267304E+21	4,784092E+21	6,529004E+21	6,529021E+21	4,784111E+21	2,267284E+21	5,177839E+20	4,547142E+18	0,000000E+00	0,000000E+00	4,545127E+18	5,176741E+20
139	2,267085E+21	4,784021E+21	6,529329E+21	6,529483E+21	4,784384E+21	2,267344E+21	5,177671E+20	4,547346E+18	0,000000E+00	0,000000E+00	4,547170E+18	5,177519E+20
140	2,267391E+21	4,784532E+21	6,529633E+21	6,529473E+21	4,784133E+21	2,267114E+21	5,176389E+20	4,543027E+18	0,000000E+00	0,000000E+00	4,543888E+18	5,177686E+20
141	2,267378E+21	4,784453E+21	6,529533E+21	6,529647E+21	4,784578E+21	2,267419E+21	5,177657E+20	4,541886E+18	0,000000E+00	0,000000E+00	4,540098E+18	5,176045E+20
142	2,267185E+21	4,784555E+21	6,530044E+21	6,530071E+21	4,784705E+21	2,267349E+21	5,176709E+20	4,542607E+18	0,000000E+00	0,000000E+00	4,543191E+18	5,177468E+20
143	2,267468E+21	4,784809E+21	6,530082E+21	6,529948E+21	4,784525E+21	2,267271E+21	5,176425E+20	4,538357E+18	0,000000E+00	0,000000E+00	4,537914E+18	5,176673E+20
144	2,267290E+21	4,784504E+21	6,529860E+21	6,530116E+21	4,784919E+21	2,267533E+21	5,177664E+20	4,541311E+18	0,000000E+00	0,000000E+00	4,540269E+18	5,176159E+20
145	2,267270E+21	4,784666E+21	6,530059E+21	6,530088E+21	4,784677E+21	2,267284E+21	5,176237E+20	4,540913E+18	0,000000E+00	0,000000E+00	4,542138E+18	5,177749E+20
146	2,267489E+21	4,784723E+21	6,529779E+21	6,529671E+21	4,784521E+21	2,267355E+21	5,177037E+20	4,539693E+18	0,000000E+00	0,000000E+00	4,539951E+18	5,176461E+20
147	2,267206E+21	4,784365E+21	6,529725E+21	6,529826E+21	4,784625E+21	2,267438E+21	5,177727E+20	4,545756E+18	0,000000E+00	0,000000E+00	4,544908E+18	5,176962E+20
148	2,267328E+21	4,784547E+21	6,529737E+21	6,529573E+21	4,784139E+21	2,267083E+21	5,176365E+20	4,543567E+18	0,000000E+00	0,000000E+00	4,545760E+18	5,177966E+20
149	2,267332E+21	4,784230E+21	6,529170E+21	6,529206E+21	4,784212E+21	2,267289E+21	5,177879E+20	4,547260E+18	0,000000E+00	0,000000E+00	4,547236E+18	5,176687E+20
150	2,267027E+21	4,783909E+21	6,529160E+21	6,529248E+21	4,784161E+21	2,267244E+21	5,177650E+20	4,550963E+18	0,000000E+00	0,000000E+00	4,552164E+18	5,178211E+20
151	2,267284E+21	4,784053E+21	6,528976E+21	6,528812E+21	4,783658E+21	2,267006E+21	5,177144E+20	4,549634E+18	0,000000E+00	0,000000E+00	4,551901E+18	5,178145E+20
152	2,267144E+21	4,783652E+21	6,528489E+21	6,528644E+21	4,783871E+21	2,267268E+21	5,178780E+20	4,554587E+18	0,000000E+00	0,000000E+00	4,552815E+18	5,177135E+20
153	2,266955E+21	4,783601E+21	6,528656E+21	6,528659E+21	4,783648E+21	2,267042E+21	5,177637E+20	4,554661E+18	0,000000E+00	0,000000E+00	4,556004E+18	5,178740E+20
154	2,267202E+21	4,783701E+21	6,528441E+21	6,528297E+21	4,783432E+21	2,267036E+21	5,177996E+20	4,554315E+18	0,000000E+00	0,000000E+00	4,553502E+18	5,177675E+20
155	2,266936E+21	4,783333E+21	6,528331E+21	6,528547E+21	4,783766E+21	2,267231E+21	5,178864E+20	4,556416E+18	0,000000E+00	0,000000E+00	4,554321E+18	5,177578E+20
156	2,267047E+21	4,783671E+21	6,528622E+21	6,528562E+21	4,783494E+21	2,266933E+21	5,177168E+20	4,553418E+18	0,000000E+00	0,000000E+00	4,555515E+18	5,178891E+20
157	2,267247E+21	4,783751E+21	6,528463E+21	6,528455E+21	4,783693E+21	2,267151E+21	5,178078E+20	4,551268E+18	0,000000E+00	0,000000E+00	4,549900E+18	5,177165E+20
158	2,267000E+21	4,783690E+21	6,528843E+21	6,528957E+21	4,784001E+21	2,267241E+21	5,178038E+20	4,551875E+18	0,000000E+00	0,000000E+00	4,551908E+18	5,177882E+20
159	2,267288E+21	4,784175E+21	6,529192E+21	6,529042E+21	4,783791E+21	2,267016E+21	5,176803E+20	4,547943E+18	0,000000E+00	0,000000E+00	4,547953E+18	5,177900E+20
160	2,267245E+21	4,784071E+21	6,529055E+21	6,529184E+21	4,784249E+21	2,267334E+21	5,178121E+20	4,547020E+18	0,000000E+00	0,000000E+00	4,544894E+18	5,176379E+20
161	2,267025E+21	4,784041E+21	6,529406E+21	6,529501E+21	4,784322E+21	2,267254E+21	5,177211E+20	4,548235E+18	0,000000E+00	0,000000E+00	4,548518E+18	5,177937E+20
162	2,267354E+21	4,784337E+21	6,529395E+21	6,529284E+21	4,784110E+21	2,267177E+21	5,176889E+20	4,543817E+18	0,000000E+00	0,000000E+00	4,543782E+18	5,177217E+20
163	2,267190E+21	4,784069E+21	6,529198E+21	6,529406E+21	4,784427E+21	2,267414E+21	5,178184E+20	4,547189E+18	0,000000E+00	0,000000E+00	4,546288E+18	5,176712E+20
164	2,267190E+21	4,784284E+21	6,529451E+21	6,529392E+21	4,784131E+21	2,267117E+21	5,176624E+20	4,546421E+18	0,000000E+00	0,000000E+00	4,548075E+18	5,178262E+20
165	2,267388E+21	4,784317E+21	6,529199E+21	6,529040E+21	4,784012E+21	2,267184E+21	5,177368E+20	4,545288E+18	0,000000E+00	0,000000E+00	4,545868E+18	5,176892E+20
166	2,267054E+21	4,783873E+21	6,529097E+21	6,529215E+21	4,784171E+21	2,267302E+21	5,178176E+20	4,551733E+18	0,000000E+00	0,000000E+00	4,551234E+18	5,177494E+20
167	2,267184E+21	4,784026E+21	6,529087E+21	6,528988E+21	4,783722E+21	2,266969E+21	5,176872E+20	4,549714E+18	0,000000E+00	0,000000E+00	4,551918E+18	5,178473E+20
168	2,267204E+21	4,783750E+21	6,528502E+21	6,528546E+21	4,783765E+21	2,267188E+21	5,178458E+20	4,553527E+18	0,000000E+00	0,000000E+00	4,553397E+18	5,177214E+20

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	2,266882E+21	4,783366E+21	6,528422E+21	6,528533E+21	4,783673E+21	2,267131E+21	5,178280E+20	4,557466E+18	0,000000E+00	0,000000E+00	4,558032E+18	5,178663E+20
170	2,267157E+21	4,783573E+21	6,528274E+21	6,528085E+21	4,783179E+21	2,266900E+21	5,177742E+20	4,556256E+18	0,000000E+00	0,000000E+00	4,557895E+18	5,178545E+20
171	2,266988E+21	4,783160E+21	6,527830E+21	6,527945E+21	4,783365E+21	2,267146E+21	5,179405E+20	4,561252E+18	0,000000E+00	0,000000E+00	4,558617E+18	5,177578E+20
172	2,266820E+21	4,783115E+21	6,528006E+21	6,528007E+21	4,783147E+21	2,266883E+21	5,178048E+20	4,560603E+18	0,000000E+00	0,000000E+00	4,562167E+18	5,179293E+20
173	2,267093E+21	4,783239E+21	6,527793E+21	6,527664E+21	4,782971E+21	2,266885E+21	5,178277E+20	4,559397E+18	0,000000E+00	0,000000E+00	4,559340E+18	5,178253E+20
174	2,266841E+21	4,782901E+21	6,527710E+21	6,527930E+21	4,783333E+21	2,267110E+21	5,179216E+20	4,561164E+18	0,000000E+00	0,000000E+00	4,559978E+18	5,178164E+20
175	2,266982E+21	4,783316E+21	6,528116E+21	6,528046E+21	4,783112E+21	2,266825E+21	5,177542E+20	4,558190E+18	0,000000E+00	0,000000E+00	4,560125E+18	5,179249E+20
176	2,267164E+21	4,783452E+21	6,528031E+21	6,527956E+21	4,783322E+21	2,267056E+21	5,178493E+20	4,555956E+18	0,000000E+00	0,000000E+00	4,554125E+18	5,177406E+20
177	2,266855E+21	4,783267E+21	6,528336E+21	6,528464E+21	4,783635E+21	2,267148E+21	5,178529E+20	4,557185E+18	0,000000E+00	0,000000E+00	4,556236E+18	5,178103E+20
178	2,267143E+21	4,783732E+21	6,528624E+21	6,528521E+21	4,783466E+21	2,266940E+21	5,177250E+20	4,553262E+18	0,000000E+00	0,000000E+00	4,552872E+18	5,178225E+20
179	2,267097E+21	4,783600E+21	6,528444E+21	6,528586E+21	4,783857E+21	2,267248E+21	5,178619E+20	4,552393E+18	0,000000E+00	0,000000E+00	4,550434E+18	5,176915E+20
180	2,266940E+21	4,783611E+21	6,528769E+21	6,528855E+21	4,783857E+21	2,267119E+21	5,177556E+20	4,553124E+18	0,000000E+00	0,000000E+00	4,554203E+18	5,178519E+20
181	2,267288E+21	4,783957E+21	6,528791E+21	6,528639E+21	4,783636E+21	2,267028E+21	5,177166E+20	4,548413E+18	0,000000E+00	0,000000E+00	4,549288E+18	5,177734E+20
182	2,267102E+21	4,783689E+21	6,528637E+21	6,528779E+21	4,783951E+21	2,267276E+21	5,178574E+20	4,552463E+18	0,000000E+00	0,000000E+00	4,551990E+18	5,177185E+20
183	2,267078E+21	4,783874E+21	6,528938E+21	6,528851E+21	4,783690E+21	2,266986E+21	5,177096E+20	4,552244E+18	0,000000E+00	0,000000E+00	4,553412E+18	5,178620E+20
184	2,267247E+21	4,783870E+21	6,528634E+21	6,528472E+21	4,783591E+21	2,267067E+21	5,177879E+20	4,551596E+18	0,000000E+00	0,000000E+00	4,551913E+18	5,177342E+20
185	2,266884E+21	4,783297E+21	6,528366E+21	6,528545E+21	4,783723E+21	2,267195E+21	5,178773E+20	4,558432E+18	0,000000E+00	0,000000E+00	4,557526E+18	5,178021E+20
186	2,267052E+21	4,783488E+21	6,528310E+21	6,528243E+21	4,783264E+21	2,266875E+21	5,177491E+20	4,556528E+18	0,000000E+00	0,000000E+00	4,558635E+18	5,179008E+20
187	2,267069E+21	4,783238E+21	6,527776E+21	6,527781E+21	4,783237E+21	2,267072E+21	5,179128E+20	4,560536E+18	0,000000E+00	0,000000E+00	4,559907E+18	5,177781E+20
188	2,266770E+21	4,782881E+21	6,527719E+21	6,527781E+21	4,783103E+21	2,266968E+21	5,178789E+20	4,563854E+18	0,000000E+00	0,000000E+00	4,564313E+18	5,179135E+20
189	2,267018E+21	4,783078E+21	6,527609E+21	6,527402E+21	4,782652E+21	2,266734E+21	5,178138E+20	4,562209E+18	0,000000E+00	0,000000E+00	4,564097E+18	5,179025E+20
190	2,266837E+21	4,782645E+21	6,527165E+21	6,527294E+21	4,782884E+21	2,267000E+21	5,179781E+20	4,566796E+18	0,000000E+00	0,000000E+00	4,564814E+18	5,178154E+20
191	2,266702E+21	4,782638E+21	6,527383E+21	6,527406E+21	4,782714E+21	2,266762E+21	5,178444E+20	4,565931E+18	0,000000E+00	0,000000E+00	4,567765E+18	5,179795E+20
192	2,267007E+21	4,782851E+21	6,527230E+21	6,527086E+21	4,782564E+21	2,266779E+21	5,178664E+20	4,564319E+18	0,000000E+00	0,000000E+00	4,564407E+18	5,178704E+20
193	2,266741E+21	4,782492E+21	6,527133E+21	6,527356E+21	4,782932E+21	2,267010E+21	5,179671E+20	4,566256E+18	0,000000E+00	0,000000E+00	4,564540E+18	5,178497E+20
194	2,266887E+21	4,782960E+21	6,527587E+21	6,527495E+21	4,782756E+21	2,266753E+21	5,178046E+20	4,563627E+18	0,000000E+00	0,000000E+00	4,564689E+18	5,179486E+20
195	2,267023E+21	4,783054E+21	6,527549E+21	6,527448E+21	4,782941E+21	2,266967E+21	5,179022E+20	4,561399E+18	0,000000E+00	0,000000E+00	4,558881E+18	5,177767E+20
196	2,266738E+21	4,782830E+21	6,527770E+21	6,527927E+21	4,783234E+21	2,267024E+21	5,178881E+20	4,562173E+18	0,000000E+00	0,000000E+00	4,561574E+18	5,178553E+20
197	2,267034E+21	4,783296E+21	6,528023E+21	6,527943E+21	4,783057E+21	2,266816E+21	5,177516E+20	4,557651E+18	0,000000E+00	0,000000E+00	4,558354E+18	5,178773E+20
198	2,267011E+21	4,783194E+21	6,527843E+21	6,527962E+21	4,783412E+21	2,267125E+21	5,178941E+20	4,556922E+18	0,000000E+00	0,000000E+00	4,556091E+18	5,177488E+20
199	2,266875E+21	4,783258E+21	6,528244E+21	6,528283E+21	4,783428E+21	2,267002E+21	5,177953E+20	4,558122E+18	0,000000E+00	0,000000E+00	4,559040E+18	5,178888E+20
200	2,267197E+21	4,783619E+21	6,528308E+21	6,528090E+21	4,783209E+21	2,266910E+21	5,177612E+20	4,553854E+18	0,000000E+00	0,000000E+00	4,554211E+18	5,178036E+20
201	2,266945E+21	4,783204E+21	6,528049E+21	6,528217E+21	4,783525E+21	2,267159E+21	5,179108E+20	4,558723E+18	0,000000E+00	0,000000E+00	4,557313E+18	5,177518E+20
202	2,266922E+21	4,783362E+21	6,528268E+21	6,528236E+21	4,783300E+21	2,266900E+21	5,177680E+20	4,558777E+18	0,000000E+00	0,000000E+00	4,559512E+18	5,179050E+20
203	2,267083E+21	4,783324E+21	6,527931E+21	6,527784E+21	4,783123E+21	2,266968E+21	5,178517E+20	4,558391E+18	0,000000E+00	0,000000E+00	4,558653E+18	5,177981E+20
204	2,266779E+21	4,782778E+21	6,527612E+21	6,527798E+21	4,783193E+21	2,267053E+21	5,179258E+20	4,564564E+18	0,000000E+00	0,000000E+00	4,564215E+18	5,178628E+20

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	2,266949E+21	4,783017E+21	6,527598E+21	6,527494E+21	4,782721E+21	2,266719E+21	5,177907E+20	4,562344E+18	0,000000E+00	0,000000E+00	4,565268E+18	5,179569E+20
206	2,266947E+21	4,782761E+21	6,527099E+21	6,527050E+21	4,782685E+21	2,266921E+21	5,179596E+20	4,566647E+18	0,000000E+00	0,000000E+00	4,566322E+18	5,178320E+20
207	2,266639E+21	4,782400E+21	6,527101E+21	6,527156E+21	4,782610E+21	2,266821E+21	5,179254E+20	4,569910E+18	0,000000E+00	0,000000E+00	4,570172E+18	5,179570E+20
208	2,266880E+21	4,782598E+21	6,526978E+21	6,526782E+21	4,782195E+21	2,266601E+21	5,178580E+20	4,568214E+18	0,000000E+00	0,000000E+00	4,570082E+18	5,179524E+20
209	2,266694E+21	4,782110E+21	6,526455E+21	6,526632E+21	4,782429E+21	2,266882E+21	5,180257E+20	4,572623E+18	0,000000E+00	0,000000E+00	4,570469E+18	5,178674E+20
210	2,266610E+21	4,782208E+21	6,526717E+21	6,526745E+21	4,782296E+21	2,266675E+21	5,178982E+20	4,571846E+18	0,000000E+00	0,000000E+00	4,573344E+18	5,180216E+20
211	2,266898E+21	4,782459E+21	6,526678E+21	6,526483E+21	4,782127E+21	2,266682E+21	5,179220E+20	4,570131E+18	0,000000E+00	0,000000E+00	4,569477E+18	5,179111E+20
212	2,266648E+21	4,782114E+21	6,526604E+21	6,526794E+21	4,782491E+21	2,266881E+21	5,180074E+20	4,571427E+18	0,000000E+00	0,000000E+00	4,569409E+18	5,178792E+20
213	2,266757E+21	4,782552E+21	6,527065E+21	6,526987E+21	4,782364E+21	2,266631E+21	5,178372E+20	4,568399E+18	0,000000E+00	0,000000E+00	4,569699E+18	5,179828E+20
214	2,266882E+21	4,782604E+21	6,526986E+21	6,526928E+21	4,782562E+21	2,266860E+21	5,179347E+20	4,565844E+18	0,000000E+00	0,000000E+00	4,564169E+18	5,178268E+20
215	2,266635E+21	4,782409E+21	6,527213E+21	6,527401E+21	4,782858E+21	2,266925E+21	5,179237E+20	4,566718E+18	0,000000E+00	0,000000E+00	4,566539E+18	5,179000E+20
216	2,266951E+21	4,782929E+21	6,527486E+21	6,527397E+21	4,782666E+21	2,266716E+21	5,177882E+20	4,562171E+18	0,000000E+00	0,000000E+00	4,563133E+18	5,179192E+20
217	2,266913E+21	4,782794E+21	6,527263E+21	6,527375E+21	4,782991E+21	2,267017E+21	5,179381E+20	4,562102E+18	0,000000E+00	0,000000E+00	4,560881E+18	5,177849E+20
218	2,266777E+21	4,782887E+21	6,527677E+21	6,527689E+21	4,783024E+21	2,266915E+21	5,178518E+20	4,564168E+18	0,000000E+00	0,000000E+00	4,564091E+18	5,179173E+20
219	2,267047E+21	4,783176E+21	6,527760E+21	6,527533E+21	4,782779E+21	2,266802E+21	5,178198E+20	4,560289E+18	0,000000E+00	0,000000E+00	4,560050E+18	5,178524E+20
220	2,266823E+21	4,782707E+21	6,527378E+21	6,527582E+21	4,783053E+21	2,267017E+21	5,179534E+20	4,564815E+18	0,000000E+00	0,000000E+00	4,563801E+18	5,178089E+20
221	2,266798E+21	4,782853E+21	6,527549E+21	6,527540E+21	4,782809E+21	2,266764E+21	5,178085E+20	4,564365E+18	0,000000E+00	0,000000E+00	4,566375E+18	5,179706E+20
222	2,266976E+21	4,782838E+21	6,527221E+21	6,527059E+21	4,782589E+21	2,266824E+21	5,178947E+20	4,564161E+18	0,000000E+00	0,000000E+00	4,565663E+18	5,178660E+20
223	2,266685E+21	4,782339E+21	6,526960E+21	6,527100E+21	4,782668E+21	2,266911E+21	5,179741E+20	4,570519E+18	0,000000E+00	0,000000E+00	4,570191E+18	5,179073E+20
224	2,266818E+21	4,782571E+21	6,526988E+21	6,526841E+21	4,782217E+21	2,266582E+21	5,178416E+20	4,568573E+18	0,000000E+00	0,000000E+00	4,571084E+18	5,179926E+20
225	2,266769E+21	4,782204E+21	6,526399E+21	6,526391E+21	4,782197E+21	2,266786E+21	5,180139E+20	4,573301E+18	0,000000E+00	0,000000E+00	4,572079E+18	5,178718E+20
226	2,266484E+21	4,781865E+21	6,526358E+21	6,526470E+21	4,782171E+21	2,266724E+21	5,179856E+20	4,576582E+18	0,000000E+00	0,000000E+00	4,576208E+18	5,180004E+20
227	2,266727E+21	4,782078E+21	6,526289E+21	6,526112E+21	4,781728E+21	2,266497E+21	5,179182E+20	4,574747E+18	0,000000E+00	0,000000E+00	4,576268E+18	5,180133E+20
228	2,266610E+21	4,781657E+21	6,525778E+21	6,525958E+21	4,781938E+21	2,266741E+21	5,180656E+20	4,578075E+18	0,000000E+00	0,000000E+00	4,576235E+18	5,179193E+20
229	2,266523E+21	4,781826E+21	6,526138E+21	6,526125E+21	4,781835E+21	2,266548E+21	5,179365E+20	4,576860E+18	0,000000E+00	0,000000E+00	4,578951E+18	5,180657E+20
230	2,266788E+21	4,782075E+21	6,526162E+21	6,525935E+21	4,781688E+21	2,266560E+21	5,179603E+20	4,575080E+18	0,000000E+00	0,000000E+00	4,574717E+18	5,179529E+20
231	2,266530E+21	4,781725E+21	6,526120E+21	6,526323E+21	4,782116E+21	2,266768E+21	5,180444E+20	4,576277E+18	0,000000E+00	0,000000E+00	4,574223E+18	5,179127E+20
232	2,266628E+21	4,782135E+21	6,526531E+21	6,526498E+21	4,782017E+21	2,266534E+21	5,178721E+20	4,573150E+18	0,000000E+00	0,000000E+00	4,574571E+18	5,180215E+20
233	2,266753E+21	4,782131E+21	6,526346E+21	6,526353E+21	4,782177E+21	2,266765E+21	5,179757E+20	4,570630E+18	0,000000E+00	0,000000E+00	4,568999E+18	5,178737E+20
234	2,266562E+21	4,782036E+21	6,526591E+21	6,526788E+21	4,782473E+21	2,266848E+21	5,179749E+20	4,572098E+18	0,000000E+00	0,000000E+00	4,571504E+18	5,179377E+20
235	2,266849E+21	4,782566E+21	6,526955E+21	6,526815E+21	4,782236E+21	2,266619E+21	5,178438E+20	4,567828E+18	0,000000E+00	0,000000E+00	4,568106E+18	5,179621E+20
236	2,266822E+21	4,782414E+21	6,526718E+21	6,526800E+21	4,782529E+21	2,266874E+21	5,179758E+20	4,567518E+18	0,000000E+00	0,000000E+00	4,566219E+18	5,178225E+20
237	2,266651E+21	4,782468E+21	6,527119E+21	6,527129E+21	4,782581E+21	2,266776E+21	5,178876E+20	4,569416E+18	0,000000E+00	0,000000E+00	4,569991E+18	5,179636E+20
238	2,266907E+21	4,782693E+21	6,527127E+21	6,526933E+21	4,782331E+21	2,266673E+21	5,178568E+20	4,565577E+18	0,000000E+00	0,000000E+00	4,566514E+18	5,179134E+20
239	2,266713E+21	4,782251E+21	6,526744E+21	6,526961E+21	4,782601E+21	2,266896E+21	5,179950E+20	4,570258E+18	0,000000E+00	0,000000E+00	4,569855E+18	5,178636E+20
240	2,266693E+21	4,782414E+21	6,526908E+21	6,526895E+21	4,782344E+21	2,266644E+21	5,178553E+20	4,569979E+18	0,000000E+00	0,000000E+00	4,572162E+18	5,180143E+20

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	2,266838E+21	4,782341E+21	6,526519E+21	6,526365E+21	4,782094E+21	2,266704E+21	5,179531E+20	4,570599E+18	0,000000E+00	0,000000E+00	4,571448E+18	5,179079E+20
242	2,266552E+21	4,781865E+21	6,526260E+21	6,526399E+21	4,782187E+21	2,266807E+21	5,180434E+20	4,577663E+18	0,000000E+00	0,000000E+00	4,576016E+18	5,179405E+20
243	2,266630E+21	4,782022E+21	6,526304E+21	6,526177E+21	4,781722E+21	2,266459E+21	5,179094E+20	4,575915E+18	0,000000E+00	0,000000E+00	4,577624E+18	5,180479E+20
244	2,266629E+21	4,781643E+21	6,525629E+21	6,525663E+21	4,781668E+21	2,266627E+21	5,180576E+20	4,579800E+18	0,000000E+00	0,000000E+00	4,578841E+18	5,179338E+20
245	2,266368E+21	4,781365E+21	6,525625E+21	6,525733E+21	4,781639E+21	2,266575E+21	5,180269E+20	4,582266E+18	0,000000E+00	0,000000E+00	4,583047E+18	5,180663E+20
246	2,266632E+21	4,781634E+21	6,525626E+21	6,525430E+21	4,781218E+21	2,266354E+21	5,179590E+20	4,580339E+18	0,000000E+00	0,000000E+00	4,582697E+18	5,180739E+20
247	2,266525E+21	4,781294E+21	6,525244E+21	6,525370E+21	4,781480E+21	2,266611E+21	5,181061E+20	4,583320E+18	0,000000E+00	0,000000E+00	4,581473E+18	5,179576E+20
248	2,266402E+21	4,781442E+21	6,525645E+21	6,525617E+21	4,781435E+21	2,266437E+21	5,179797E+20	4,582124E+18	0,000000E+00	0,000000E+00	4,583789E+18	5,180908E+20
249	2,266622E+21	4,781587E+21	6,525571E+21	6,525423E+21	4,781324E+21	2,266463E+21	5,180052E+20	4,580341E+18	0,000000E+00	0,000000E+00	4,579423E+18	5,179874E+20
250	2,266401E+21	4,781274E+21	6,525469E+21	6,525747E+21	4,781777E+21	2,266704E+21	5,180968E+20	4,581680E+18	0,000000E+00	0,000000E+00	4,579135E+18	5,179484E+20
251	2,266494E+21	4,781688E+21	6,525931E+21	6,525929E+21	4,781633E+21	2,266454E+21	5,179241E+20	4,578474E+18	0,000000E+00	0,000000E+00	4,579656E+18	5,180743E+20
252	2,266687E+21	4,781749E+21	6,525741E+21	6,525736E+21	4,781727E+21	2,266630E+21	5,180071E+20	4,575296E+18	0,000000E+00	0,000000E+00	4,573987E+18	5,179199E+20
253	2,266491E+21	4,781712E+21	6,526066E+21	6,526191E+21	4,782014E+21	2,266717E+21	5,180101E+20	4,576795E+18	0,000000E+00	0,000000E+00	4,576752E+18	5,179804E+20
254	2,266748E+21	4,782212E+21	6,526472E+21	6,526291E+21	4,781800E+21	2,266485E+21	5,178797E+20	4,572723E+18	0,000000E+00	0,000000E+00	4,573470E+18	5,180076E+20
255	2,266711E+21	4,782040E+21	6,526233E+21	6,526307E+21	4,782129E+21	2,266743E+21	5,180096E+20	4,572642E+18	0,000000E+00	0,000000E+00	4,571656E+18	5,178665E+20
256	2,266526E+21	4,782033E+21	6,526547E+21	6,526593E+21	4,782195E+21	2,266669E+21	5,179272E+20	4,574624E+18	0,000000E+00	0,000000E+00	4,575508E+18	5,180067E+20
257	2,266768E+21	4,782189E+21	6,526437E+21	6,526299E+21	4,781901E+21	2,266569E+21	5,179071E+20	4,571283E+18	0,000000E+00	0,000000E+00	4,572309E+18	5,179637E+20
258	2,266611E+21	4,781808E+21	6,526031E+21	6,526261E+21	4,782157E+21	2,266808E+21	5,180608E+20	4,576914E+18	0,000000E+00	0,000000E+00	4,575606E+18	5,179018E+20
259	2,266537E+21	4,781928E+21	6,526254E+21	6,526223E+21	4,781857E+21	2,266536E+21	5,179259E+20	4,576997E+18	0,000000E+00	0,000000E+00	4,578153E+18	5,180592E+20
260	2,266693E+21	4,781815E+21	6,525804E+21	6,525656E+21	4,781552E+21	2,266542E+21	5,180046E+20	4,577439E+18	0,000000E+00	0,000000E+00	4,577883E+18	5,179551E+20
261	2,266393E+21	4,781330E+21	6,525538E+21	6,525681E+21	4,781648E+21	2,266648E+21	5,180899E+20	4,583952E+18	0,000000E+00	0,000000E+00	4,582935E+18	5,180006E+20
262	2,266482E+21	4,781473E+21	6,525560E+21	6,525453E+21	4,781192E+21	2,266307E+21	5,179525E+20	4,581956E+18	0,000000E+00	0,000000E+00	4,584844E+18	5,181197E+20
263	2,266529E+21	4,781188E+21	6,524966E+21	6,524976E+21	4,781159E+21	2,266477E+21	5,180942E+20	4,585364E+18	0,000000E+00	0,000000E+00	4,585234E+18	5,179968E+20
264	2,266283E+21	4,780962E+21	6,525018E+21	6,525101E+21	4,781172E+21	2,266443E+21	5,180674E+20	4,587591E+18	0,000000E+00	0,000000E+00	4,588679E+18	5,181092E+20
265	2,266511E+21	4,781194E+21	6,525010E+21	6,524821E+21	4,780784E+21	2,266247E+21	5,180109E+20	4,586192E+18	0,000000E+00	0,000000E+00	4,587896E+18	5,181104E+20
266	2,266404E+21	4,780885E+21	6,524660E+21	6,524807E+21	4,781101E+21	2,266528E+21	5,181674E+20	4,589480E+18	0,000000E+00	0,000000E+00	4,586349E+18	5,179840E+20
267	2,266228E+21	4,780954E+21	6,525066E+21	6,525087E+21	4,781059E+21	2,266351E+21	5,180399E+20	4,588305E+18	0,000000E+00	0,000000E+00	4,589092E+18	5,181339E+20
268	2,266492E+21	4,781085E+21	6,524890E+21	6,524799E+21	4,780898E+21	2,266341E+21	5,180425E+20	4,585535E+18	0,000000E+00	0,000000E+00	4,584838E+18	5,180392E+20
269	2,266311E+21	4,780869E+21	6,524843E+21	6,525089E+21	4,781309E+21	2,266575E+21	5,181298E+20	4,586185E+18	0,000000E+00	0,000000E+00	4,584823E+18	5,180050E+20
270	2,266422E+21	4,781325E+21	6,525364E+21	6,525312E+21	4,781175E+21	2,266323E+21	5,179572E+20	4,583072E+18	0,000000E+00	0,000000E+00	4,584938E+18	5,181241E+20
271	2,266619E+21	4,781463E+21	6,525307E+21	6,525214E+21	4,781305E+21	2,266496E+21	5,180360E+20	4,579831E+18	0,000000E+00	0,000000E+00	4,578626E+18	5,179547E+20
272	2,266388E+21	4,781380E+21	6,525641E+21	6,525740E+21	4,781640E+21	2,266596E+21	5,180452E+20	4,581704E+18	0,000000E+00	0,000000E+00	4,581268E+18	5,180037E+20
273	2,266590E+21	4,781747E+21	6,525910E+21	6,525804E+21	4,781459E+21	2,266392E+21	5,179251E+20	4,578032E+18	0,000000E+00	0,000000E+00	4,578296E+18	5,180429E+20
274	2,266581E+21	4,781585E+21	6,525596E+21	6,525739E+21	4,781784E+21	2,266676E+21	5,180679E+20	4,578632E+18	0,000000E+00	0,000000E+00	4,577000E+18	5,179057E+20
275	2,266376E+21	4,781534E+21	6,525899E+21	6,525985E+21	4,781786E+21	2,266587E+21	5,179904E+20	4,580793E+18	0,000000E+00	0,000000E+00	4,581258E+18	5,180583E+20
276	2,266658E+21	4,781706E+21	6,525719E+21	6,525586E+21	4,781406E+21	2,266433E+21	5,179545E+20	4,577253E+18	0,000000E+00	0,000000E+00	4,578476E+18	5,180158E+20

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	2,266498E+21	4,781370E+21	6,525363E+21	6,525513E+21	4,781605E+21	2,266662E+21	5,181105E+20	4,583033E+18	0,000000E+00	0,000000E+00	4,582192E+18	5,179563E+20
278	2,266399E+21	4,781429E+21	6,525583E+21	6,525529E+21	4,781317E+21	2,266375E+21	5,179733E+20	4,583274E+18	0,000000E+00	0,000000E+00	4,584989E+18	5,181181E+20
279	2,266560E+21	4,781329E+21	6,525146E+21	6,524986E+21	4,781035E+21	2,266372E+21	5,180419E+20	4,583642E+18	0,000000E+00	0,000000E+00	4,584723E+18	5,180193E+20
280	2,266272E+21	4,780831E+21	6,524846E+21	6,524997E+21	4,781148E+21	2,266496E+21	5,181288E+20	4,589771E+18	0,000000E+00	0,000000E+00	4,589353E+18	5,180584E+20
281	2,266360E+21	4,780959E+21	6,524829E+21	6,524745E+21	4,780704E+21	2,266183E+21	5,180038E+20	4,588077E+18	0,000000E+00	0,000000E+00	4,591150E+18	5,181768E+20
282	2,266439E+21	4,780767E+21	6,524295E+21	6,524291E+21	4,780707E+21	2,266380E+21	5,181582E+20	4,592024E+18	0,000000E+00	0,000000E+00	4,590800E+18	5,180335E+20
283	2,266134E+21	4,780508E+21	6,524439E+21	6,524508E+21	4,780739E+21	2,266349E+21	5,181364E+20	4,594273E+18	0,000000E+00	0,000000E+00	4,594106E+18	5,181444E+20
284	2,266362E+21	4,780698E+21	6,524368E+21	6,524208E+21	4,780337E+21	2,266116E+21	5,180596E+20	4,592436E+18	0,000000E+00	0,000000E+00	4,593456E+18	5,181462E+20
285	2,266248E+21	4,780393E+21	6,524012E+21	6,524167E+21	4,780651E+21	2,266407E+21	5,182098E+20	4,594801E+18	0,000000E+00	0,000000E+00	4,592161E+18	5,180338E+20
286	2,266093E+21	4,780452E+21	6,524407E+21	6,524462E+21	4,780624E+21	2,266231E+21	5,180764E+20	4,593249E+18	0,000000E+00	0,000000E+00	4,594877E+18	5,181896E+20
287	2,266409E+21	4,780706E+21	6,524327E+21	6,524203E+21	4,780461E+21	2,266207E+21	5,180687E+20	4,589871E+18	0,000000E+00	0,000000E+00	4,589882E+18	5,180914E+20
288	2,266250E+21	4,780553E+21	6,524354E+21	6,524545E+21	4,780898E+21	2,266451E+21	5,181589E+20	4,590417E+18	0,000000E+00	0,000000E+00	4,589253E+18	5,180378E+20
289	2,266325E+21	4,780974E+21	6,524878E+21	6,524800E+21	4,780801E+21	2,266227E+21	5,180019E+20	4,588045E+18	0,000000E+00	0,000000E+00	4,589192E+18	5,181534E+20
290	2,266514E+21	4,781113E+21	6,524832E+21	6,524750E+21	4,780979E+21	2,266415E+21	5,180890E+20	4,585509E+18	0,000000E+00	0,000000E+00	4,583082E+18	5,179788E+20
291	2,266231E+21	4,780929E+21	6,525119E+21	6,525274E+21	4,781316E+21	2,266520E+21	5,181001E+20	4,587577E+18	0,000000E+00	0,000000E+00	4,586488E+18	5,180462E+20
292	2,266463E+21	4,781248E+21	6,525231E+21	6,525185E+21	4,781052E+21	2,266279E+21	5,179659E+20	4,583461E+18	0,000000E+00	0,000000E+00	4,584058E+18	5,180954E+20
293	2,266482E+21	4,781148E+21	6,524936E+21	6,525036E+21	4,781293E+21	2,266551E+21	5,181111E+20	4,583972E+18	0,000000E+00	0,000000E+00	4,583451E+18	5,179680E+20
294	2,266279E+21	4,781086E+21	6,525245E+21	6,525289E+21	4,781278E+21	2,266449E+21	5,180354E+20	4,586402E+18	0,000000E+00	0,000000E+00	4,587507E+18	5,181116E+20
295	2,266551E+21	4,781307E+21	6,525144E+21	6,524928E+21	4,780892E+21	2,266276E+21	5,179938E+20	4,582983E+18	0,000000E+00	0,000000E+00	4,584607E+18	5,180666E+20
296	2,266373E+21	4,780922E+21	6,524770E+21	6,524886E+21	4,781109E+21	2,266503E+21	5,181497E+20	4,588950E+18	0,000000E+00	0,000000E+00	4,588119E+18	5,179983E+20
297	2,266239E+21	4,780879E+21	6,524865E+21	6,524856E+21	4,780856E+21	2,266251E+21	5,180245E+20	4,589487E+18	0,000000E+00	0,000000E+00	4,591167E+18	5,181705E+20
298	2,266436E+21	4,780820E+21	6,524424E+21	6,524304E+21	4,780588E+21	2,266267E+21	5,181019E+20	4,590464E+18	0,000000E+00	0,000000E+00	4,590903E+18	5,180690E+20
299	2,266135E+21	4,780324E+21	6,524166E+21	6,524332E+21	4,780683E+21	2,266387E+21	5,181923E+20	4,596469E+18	0,000000E+00	0,000000E+00	4,595429E+18	5,181106E+20
300	2,266242E+21	4,780461E+21	6,524106E+21	6,524019E+21	4,780206E+21	2,266053E+21	5,180595E+20	4,594674E+18	0,000000E+00	0,000000E+00	4,597348E+18	5,182222E+20
301	2,266310E+21	4,780321E+21	6,523675E+21	6,523594E+21	4,780185E+21	2,266249E+21	5,182128E+20	4,598303E+18	0,000000E+00	0,000000E+00	4,597083E+18	5,180821E+20
302	2,265981E+21	4,779994E+21	6,523798E+21	6,523879E+21	4,780260E+21	2,266213E+21	5,181862E+20	4,600376E+18	0,000000E+00	0,000000E+00	4,600295E+18	5,181901E+20
303	2,266218E+21	4,780221E+21	6,523742E+21	6,523592E+21	4,779891E+21	2,265979E+21	5,180937E+20	4,597873E+18	0,000000E+00	0,000000E+00	4,599471E+18	5,182022E+20
304	2,266140E+21	4,779943E+21	6,523385E+21	6,523537E+21	4,780203E+21	2,266274E+21	5,182391E+20	4,599457E+18	0,000000E+00	0,000000E+00	4,597425E+18	5,180816E+20
305	2,265996E+21	4,780015E+21	6,523764E+21	6,523828E+21	4,780200E+21	2,266126E+21	5,181175E+20	4,598199E+18	0,000000E+00	0,000000E+00	4,599830E+18	5,182341E+20
306	2,266340E+21	4,780366E+21	6,523795E+21	6,523652E+21	4,780083E+21	2,266117E+21	5,181187E+20	4,595311E+18	0,000000E+00	0,000000E+00	4,594202E+18	5,181188E+20
307	2,266131E+21	4,780189E+21	6,523910E+21	6,524081E+21	4,780537E+21	2,266361E+21	5,182117E+20	4,595956E+18	0,000000E+00	0,000000E+00	4,593807E+18	5,180679E+20
308	2,266197E+21	4,780544E+21	6,524332E+21	6,524286E+21	4,780430E+21	2,266119E+21	5,180443E+20	4,593472E+18	0,000000E+00	0,000000E+00	4,594143E+18	5,181877E+20
309	2,266384E+21	4,780687E+21	6,524274E+21	6,524179E+21	4,780575E+21	2,266311E+21	5,181269E+20	4,590379E+18	0,000000E+00	0,000000E+00	4,588893E+18	5,180323E+20
310	2,266117E+21	4,780463E+21	6,524495E+21	6,524674E+21	4,780897E+21	2,266409E+21	5,181371E+20	4,592454E+18	0,000000E+00	0,000000E+00	4,592362E+18	5,180998E+20
311	2,266379E+21	4,780865E+21	6,524649E+21	6,524565E+21	4,780604E+21	2,266147E+21	5,179946E+20	4,588102E+18	0,000000E+00	0,000000E+00	4,589745E+18	5,181508E+20
312	2,266406E+21	4,780779E+21	6,524376E+21	6,524408E+21	4,780822E+21	2,266414E+21	5,181458E+20	4,588980E+18	0,000000E+00	0,000000E+00	4,588785E+18	5,180087E+20

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												
313	2,266161E+21	4,780647E+21	6,524640E+21	6,524663E+21	4,780824E+21	2,266334E+21	5,180881E+20	4,592271E+18	0,000000E+00	0,000000E+00	4,592854E+18	5,181505E+20
314	2,266421E+21	4,780843E+21	6,524527E+21	6,524333E+21	4,780463E+21	2,266166E+21	5,180560E+20	4,589900E+18	0,000000E+00	0,000000E+00	4,590300E+18	5,181043E+20
315	2,266204E+21	4,780381E+21	6,524106E+21	6,524270E+21	4,780671E+21	2,266391E+21	5,182100E+20	4,595865E+18	0,000000E+00	0,000000E+00	4,594422E+18	5,180527E+20
316	2,266102E+21	4,780318E+21	6,524080E+21	6,524099E+21	4,780343E+21	2,266116E+21	5,180773E+20	4,596067E+18	0,000000E+00	0,000000E+00	4,597889E+18	5,182290E+20
317	2,266323E+21	4,780337E+21	6,523703E+21	6,523516E+21	4,780022E+21	2,266126E+21	5,181545E+20	4,596958E+18	0,000000E+00	0,000000E+00	4,597987E+18	5,181314E+20
318	2,266016E+21	4,779836E+21	6,523479E+21	6,523616E+21	4,780155E+21	2,266246E+21	5,182446E+20	4,602832E+18	0,000000E+00	0,000000E+00	4,601918E+18	5,181582E+20
319	2,266110E+21	4,780020E+21	6,523502E+21	6,523366E+21	4,779703E+21	2,265904E+21	5,181043E+20	4,600885E+18	0,000000E+00	0,000000E+00	4,603686E+18	5,182686E+20
320	2,266163E+21	4,779830E+21	6,523060E+21	6,522986E+21	4,779720E+21	2,266108E+21	5,182528E+20	4,604011E+18	0,000000E+00	0,000000E+00	4,602734E+18	5,181233E+20
321	2,265823E+21	4,779443E+21	6,523088E+21	6,523241E+21	4,779838E+21	2,266109E+21	5,182337E+20	4,605933E+18	0,000000E+00	0,000000E+00	4,605917E+18	5,182377E+20
322	2,266101E+21	4,779740E+21	6,523070E+21	6,522971E+21	4,779484E+21	2,265887E+21	5,181454E+20	4,603623E+18	0,000000E+00	0,000000E+00	4,604684E+18	5,182460E+20
323	2,266032E+21	4,779520E+21	6,522798E+21	6,522957E+21	4,779793E+21	2,266173E+21	5,182861E+20	4,604685E+18	0,000000E+00	0,000000E+00	4,602360E+18	5,181267E+20
324	2,265914E+21	4,779630E+21	6,523168E+21	6,523202E+21	4,779763E+21	2,266013E+21	5,181608E+20	4,603511E+18	0,000000E+00	0,000000E+00	4,604767E+18	5,182708E+20
325	2,266248E+21	4,780034E+21	6,523321E+21	6,523094E+21	4,779642E+21	2,266001E+21	5,181605E+20	4,600414E+18	0,000000E+00	0,000000E+00	4,599426E+18	5,181609E+20
326	2,266015E+21	4,779782E+21	6,523406E+21	6,523594E+21	4,780151E+21	2,266241E+21	5,182485E+20	4,601021E+18	0,000000E+00	0,000000E+00	4,599177E+18	5,181091E+20
327	2,266087E+21	4,780153E+21	6,523803E+21	6,523767E+21	4,780054E+21	2,266004E+21	5,180718E+20	4,598102E+18	0,000000E+00	0,000000E+00	4,599647E+18	5,182400E+20
328	2,266296E+21	4,780295E+21	6,523722E+21	6,523615E+21	4,780160E+21	2,266191E+21	5,181535E+20	4,594598E+18	0,000000E+00	0,000000E+00	4,594066E+18	5,180800E+20
329	2,266030E+21	4,780048E+21	6,523871E+21	6,524055E+21	4,780482E+21	2,266314E+21	5,181823E+20	4,597458E+18	0,000000E+00	0,000000E+00	4,597384E+18	5,181393E+20
330	2,266281E+21	4,780477E+21	6,524091E+21	6,523997E+21	4,780202E+21	2,266057E+21	5,180530E+20	4,594117E+18	0,000000E+00	0,000000E+00	4,594554E+18	5,181778E+20
331	2,266259E+21	4,780339E+21	6,523836E+21	6,523863E+21	4,780395E+21	2,266305E+21	5,182051E+20	4,595489E+18	0,000000E+00	0,000000E+00	4,594180E+18	5,180429E+20
332	2,266000E+21	4,780109E+21	6,523932E+21	6,523999E+21	4,780358E+21	2,266210E+21	5,181436E+20	4,598916E+18	0,000000E+00	0,000000E+00	4,598806E+18	5,181927E+20
333	2,266267E+21	4,780316E+21	6,523820E+21	6,523618E+21	4,779952E+21	2,266036E+21	5,181066E+20	4,596281E+18	0,000000E+00	0,000000E+00	4,597347E+18	5,181688E+20
334	2,266074E+21	4,779835E+21	6,523361E+21	6,523545E+21	4,780144E+21	2,266246E+21	5,182556E+20	4,602065E+18	0,000000E+00	0,000000E+00	4,601338E+18	5,181150E+20
335	2,266002E+21	4,779870E+21	6,523393E+21	6,523373E+21	4,779813E+21	2,265965E+21	5,181180E+20	4,601899E+18	0,000000E+00	0,000000E+00	4,604713E+18	5,182909E+20
336	2,266224E+21	4,779907E+21	6,523079E+21	6,522830E+21	4,779494E+21	2,265976E+21	5,181964E+20	4,602879E+18	0,000000E+00	0,000000E+00	4,604201E+18	5,181789E+20
337	2,265881E+21	4,779343E+21	6,522815E+21	6,522957E+21	4,779677E+21	2,266127E+21	5,183005E+20	4,609089E+18	0,000000E+00	0,000000E+00	4,607824E+18	5,181996E+20
338	2,265956E+21	4,779503E+21	6,522847E+21	6,522776E+21	4,779283E+21	2,265800E+21	5,181655E+20	4,607729E+18	0,000000E+00	0,000000E+00	4,609599E+18	5,183090E+20
339	2,265998E+21	4,779283E+21	6,522376E+21	6,522369E+21	4,779289E+21	2,266002E+21	5,183065E+20	4,610230E+18	0,000000E+00	0,000000E+00	4,608653E+18	5,181780E+20
340	2,265705E+21	4,778919E+21	6,522315E+21	6,522500E+21	4,779346E+21	2,265988E+21	5,182815E+20	4,611704E+18	0,000000E+00	0,000000E+00	4,611792E+18	5,182903E+20
341	2,266014E+21	4,779340E+21	6,522437E+21	6,522263E+21	4,778971E+21	2,265761E+21	5,181898E+20	4,609066E+18	0,000000E+00	0,000000E+00	4,610553E+18	5,183001E+20
342	2,265944E+21	4,779144E+21	6,522255E+21	6,522368E+21	4,779332E+21	2,266040E+21	5,183244E+20	4,609820E+18	0,000000E+00	0,000000E+00	4,607572E+18	5,181653E+20
343	2,265820E+21	4,779312E+21	6,522711E+21	6,522693E+21	4,779349E+21	2,265882E+21	5,181935E+20	4,608476E+18	0,000000E+00	0,000000E+00	4,609964E+18	5,183097E+20
344	2,266135E+21	4,779657E+21	6,522851E+21	6,522637E+21	4,779275E+21	2,265882E+21	5,181872E+20	4,604815E+18	0,000000E+00	0,000000E+00	4,604061E+18	5,181958E+20
345	2,265892E+21	4,779348E+21	6,522836E+21	6,523091E+21	4,779818E+21	2,266164E+21	5,182876E+20	4,605574E+18	0,000000E+00	0,000000E+00	4,603934E+18	5,181479E+20
346	2,265980E+21	4,779739E+21	6,523240E+21	6,523263E+21	4,779716E+21	2,265935E+21	5,181222E+20	4,603327E+18	0,000000E+00	0,000000E+00	4,604135E+18	5,182708E+20
347	2,266177E+21	4,779886E+21	6,523170E+21	6,523089E+21	4,779786E+21	2,266108E+21	5,182043E+20	4,599820E+18	0,000000E+00	0,000000E+00	4,598858E+18	5,181182E+20
348	2,265921E+21	4,779624E+21	6,523233E+21	6,523407E+21	4,780032E+21	2,266209E+21	5,182356E+20	4,603320E+18	0,000000E+00	0,000000E+00	4,602563E+18	5,181738E+20

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												
349	2,266150E+21	4,780055E+21	6,523507E+21	6,523353E+21	4,779709E+21	2,265934E+21	5,181065E+20	4,600199E+18	0,000000E+00	0,000000E+00	4,600650E+18	5,182264E+20
350	2,266115E+21	4,779834E+21	6,523185E+21	6,523246E+21	4,779921E+21	2,266160E+21	5,182476E+20	4,601653E+18	0,000000E+00	0,000000E+00	4,600746E+18	5,180979E+20
351	2,265883E+21	4,779645E+21	6,523249E+21	6,523314E+21	4,779855E+21	2,266058E+21	5,181789E+20	4,604634E+18	0,000000E+00	0,000000E+00	4,605691E+18	5,182608E+20
352	2,266172E+21	4,779856E+21	6,523140E+21	6,522918E+21	4,779424E+21	2,265877E+21	5,181397E+20	4,601749E+18	0,000000E+00	0,000000E+00	4,603928E+18	5,182301E+20
353	2,265977E+21	4,779375E+21	6,522665E+21	6,522837E+21	4,779641E+21	2,266119E+21	5,183049E+20	4,608016E+18	0,000000E+00	0,000000E+00	4,607518E+18	5,181656E+20
354	2,265881E+21	4,779416E+21	6,522771E+21	6,522749E+21	4,779349E+21	2,265859E+21	5,181836E+20	4,608740E+18	0,000000E+00	0,000000E+00	4,610552E+18	5,183247E+20
355	2,266054E+21	4,779399E+21	6,522460E+21	6,522246E+21	4,779045E+21	2,265865E+21	5,182600E+20	4,609832E+18	0,000000E+00	0,000000E+00	4,610302E+18	5,182210E+20
356	2,265710E+21	4,778763E+21	6,522031E+21	6,522243E+21	4,779199E+21	2,266010E+21	5,183591E+20	4,615774E+18	0,000000E+00	0,000000E+00	4,614014E+18	5,182458E+20
357	2,265798E+21	4,778960E+21	6,522102E+21	6,522030E+21	4,778768E+21	2,265680E+21	5,182188E+20	4,614007E+18	0,000000E+00	0,000000E+00	4,616347E+18	5,183706E+20
358	2,265877E+21	4,778767E+21	6,521649E+21	6,521665E+21	4,778776E+21	2,265858E+21	5,183474E+20	4,615887E+18	0,000000E+00	0,000000E+00	4,614722E+18	5,182346E+20
359	2,265628E+21	4,778546E+21	6,521695E+21	6,521824E+21	4,778843E+21	2,265840E+21	5,183159E+20	4,616807E+18	0,000000E+00	0,000000E+00	4,617580E+18	5,183430E+20
360	2,265937E+21	4,779006E+21	6,521939E+21	6,521696E+21	4,778513E+21	2,265621E+21	5,182220E+20	4,613943E+18	0,000000E+00	0,000000E+00	4,615460E+18	5,183380E+20
361	2,265838E+21	4,778773E+21	6,521757E+21	6,521872E+21	4,778951E+21	2,265935E+21	5,183671E+20	4,614883E+18	0,000000E+00	0,000000E+00	4,612240E+18	5,181973E+20
362	2,265690E+21	4,778899E+21	6,522218E+21	6,522275E+21	4,779047E+21	2,265811E+21	5,182460E+20	4,614127E+18	0,000000E+00	0,000000E+00	4,614643E+18	5,183387E+20
363	2,265993E+21	4,779211E+21	6,522307E+21	6,522173E+21	4,778953E+21	2,265807E+21	5,182326E+20	4,609879E+18	0,000000E+00	0,000000E+00	4,608935E+18	5,182376E+20
364	2,265781E+21	4,778892E+21	6,522148E+21	6,522446E+21	4,779405E+21	2,266072E+21	5,183349E+20	4,610805E+18	0,000000E+00	0,000000E+00	4,609018E+18	5,181880E+20
365	2,265875E+21	4,779344E+21	6,522644E+21	6,522618E+21	4,779261E+21	2,265831E+21	5,181701E+20	4,608656E+18	0,000000E+00	0,000000E+00	4,609593E+18	5,183143E+20
366	2,266062E+21	4,779470E+21	6,522594E+21	6,522496E+21	4,779324E+21	2,265974E+21	5,182472E+20	4,605316E+18	0,000000E+00	0,000000E+00	4,604342E+18	5,181589E+20
367	2,265811E+21	4,779240E+21	6,522667E+21	6,522807E+21	4,779558E+21	2,266062E+21	5,182730E+20	4,608841E+18	0,000000E+00	0,000000E+00	4,608546E+18	5,182242E+20
368	2,266028E+21	4,779616E+21	6,522913E+21	6,522762E+21	4,779251E+21	2,265786E+21	5,181371E+20	4,605283E+18	0,000000E+00	0,000000E+00	4,606582E+18	5,182804E+20
369	2,265999E+21	4,779359E+21	6,522511E+21	6,522603E+21	4,779472E+21	2,266037E+21	5,182858E+20	4,606986E+18	0,000000E+00	0,000000E+00	4,606876E+18	5,181553E+20
370	2,265780E+21	4,779189E+21	6,522610E+21	6,522708E+21	4,779418E+21	2,265950E+21	5,182322E+20	4,610630E+18	0,000000E+00	0,000000E+00	4,611453E+18	5,183059E+20
371	2,266051E+21	4,779407E+21	6,522513E+21	6,522309E+21	4,778977E+21	2,265766E+21	5,181957E+20	4,608014E+18	0,000000E+00	0,000000E+00	4,609970E+18	5,182761E+20
372	2,265844E+21	4,778888E+21	6,521952E+21	6,522115E+21	4,779137E+21	2,266006E+21	5,183705E+20	4,614974E+18	0,000000E+00	0,000000E+00	4,613530E+18	5,182054E+20
373	2,265714E+21	4,778904E+21	6,522104E+21	6,522054E+21	4,778834E+21	2,265737E+21	5,182506E+20	4,615896E+18	0,000000E+00	0,000000E+00	4,617304E+18	5,183732E+20
374	2,265877E+21	4,778811E+21	6,521712E+21	6,521565E+21	4,778550E+21	2,265725E+21	5,183143E+20	4,616739E+18	0,000000E+00	0,000000E+00	4,617194E+18	5,182801E+20
375	2,265585E+21	4,778259E+21	6,521265E+21	6,521477E+21	4,778661E+21	2,265857E+21	5,184001E+20	4,621684E+18	0,000000E+00	0,000000E+00	4,620893E+18	5,183149E+20
376	2,265704E+21	4,778499E+21	6,521400E+21	6,521298E+21	4,778228E+21	2,265520E+21	5,182529E+20	4,619353E+18	0,000000E+00	0,000000E+00	4,622445E+18	5,184279E+20
377	2,265792E+21	4,778363E+21	6,521024E+21	6,521007E+21	4,778297E+21	2,265725E+21	5,183866E+20	4,621162E+18	0,000000E+00	0,000000E+00	4,620031E+18	5,182784E+20
378	2,265526E+21	4,778175E+21	6,521206E+21	6,521318E+21	4,778437E+21	2,265733E+21	5,183709E+20	4,622767E+18	0,000000E+00	0,000000E+00	4,622326E+18	5,183674E+20
379	2,265789E+21	4,778585E+21	6,521451E+21	6,521263E+21	4,778177E+21	2,265531E+21	5,182736E+20	4,619716E+18	0,000000E+00	0,000000E+00	4,620230E+18	5,183674E+20
380	2,265685E+21	4,778295E+21	6,521131E+21	6,521320E+21	4,778593E+21	2,265852E+21	5,184157E+20	4,620318E+18	0,000000E+00	0,000000E+00	4,617207E+18	5,182340E+20
381	2,265554E+21	4,778446E+21	6,521609E+21	6,521674E+21	4,778648E+21	2,265729E+21	5,182943E+20	4,619348E+18	0,000000E+00	0,000000E+00	4,620131E+18	5,183845E+20
382	2,265878E+21	4,778763E+21	6,521683E+21	6,521587E+21	4,778545E+21	2,265695E+21	5,182697E+20	4,614589E+18	0,000000E+00	0,000000E+00	4,614117E+18	5,182855E+20
383	2,265715E+21	4,778567E+21	6,521570E+21	6,521807E+21	4,778947E+21	2,265940E+21	5,183657E+20	4,615378E+18	0,000000E+00	0,000000E+00	4,614473E+18	5,182381E+20
384	2,265793E+21	4,779004E+21	6,522135E+21	6,522047E+21	4,778804E+21	2,265687E+21	5,181999E+20	4,613245E+18	0,000000E+00	0,000000E+00	4,614604E+18	5,183558E+20

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	2,265954E+21	4,779081E+21	6,522063E+21	6,521963E+21	4,778910E+21	2,265844E+21	5,182829E+20	4,610410E+18	0,000000E+00	0,000000E+00	4,609681E+18	5,182040E+20
386	2,265690E+21	4,778805E+21	6,522123E+21	6,522304E+21	4,779176E+21	2,265953E+21	5,183216E+20	4,614733E+18	0,000000E+00	0,000000E+00	4,614035E+18	5,182678E+20
387	2,265900E+21	4,779153E+21	6,522301E+21	6,522197E+21	4,778853E+21	2,265685E+21	5,181858E+20	4,610960E+18	0,000000E+00	0,000000E+00	4,612412E+18	5,183324E+20
388	2,265887E+21	4,778884E+21	6,521784E+21	6,521879E+21	4,778986E+21	2,265924E+21	5,183411E+20	4,613276E+18	0,000000E+00	0,000000E+00	4,612876E+18	5,182035E+20
389	2,265657E+21	4,778743E+21	6,521955E+21	6,521990E+21	4,778909E+21	2,265837E+21	5,182959E+20	4,617307E+18	0,000000E+00	0,000000E+00	4,617787E+18	5,183493E+20
390	2,265894E+21	4,778895E+21	6,521846E+21	6,521650E+21	4,778480E+21	2,265630E+21	5,182556E+20	4,615032E+18	0,000000E+00	0,000000E+00	4,616544E+18	5,183212E+20
391	2,265693E+21	4,778389E+21	6,521244E+21	6,521404E+21	4,778616E+21	2,265856E+21	5,184219E+20	4,621713E+18	0,000000E+00	0,000000E+00	4,620424E+18	5,182630E+20
392	2,265558E+21	4,778348E+21	6,521371E+21	6,521353E+21	4,778320E+21	2,265582E+21	5,182926E+20	4,621921E+18	0,000000E+00	0,000000E+00	4,623995E+18	5,184323E+20
393	2,265743E+21	4,778268E+21	6,520945E+21	6,520825E+21	4,778036E+21	2,265585E+21	5,183577E+20	4,622656E+18	0,000000E+00	0,000000E+00	4,623643E+18	5,183419E+20
394	2,265477E+21	4,777782E+21	6,520597E+21	6,520816E+21	4,778177E+21	2,265729E+21	5,184521E+20	4,627712E+18	0,000000E+00	0,000000E+00	4,626543E+18	5,183614E+20
395	2,265595E+21	4,778080E+21	6,520806E+21	6,520688E+21	4,777784E+21	2,265404E+21	5,183035E+20	4,625280E+18	0,000000E+00	0,000000E+00	4,627950E+18	5,184689E+20
396	2,265671E+21	4,777933E+21	6,520404E+21	6,520359E+21	4,777837E+21	2,265612E+21	5,184411E+20	4,627320E+18	0,000000E+00	0,000000E+00	4,625219E+18	5,183132E+20
397	2,265386E+21	4,777742E+21	6,520655E+21	6,520754E+21	4,778025E+21	2,265632E+21	5,184258E+20	4,628866E+18	0,000000E+00	0,000000E+00	4,628016E+18	5,184070E+20
398	2,265640E+21	4,778089E+21	6,520834E+21	6,520728E+21	4,777805E+21	2,265424E+21	5,183165E+20	4,625318E+18	0,000000E+00	0,000000E+00	4,625860E+18	5,184166E+20
399	2,265591E+21	4,777887E+21	6,520499E+21	6,520680E+21	4,778158E+21	2,265729E+21	5,184470E+20	4,624899E+18	0,000000E+00	0,000000E+00	4,622935E+18	5,182932E+20
400	2,265478E+21	4,778065E+21	6,521034E+21	6,521065E+21	4,778201E+21	2,265594E+21	5,183204E+20	4,623514E+18	0,000000E+00	0,000000E+00	4,625149E+18	5,184292E+20
401	2,265796E+21	4,778414E+21	6,521150E+21	6,521011E+21	4,778125E+21	2,265576E+21	5,183015E+20	4,618941E+18	0,000000E+00	0,000000E+00	4,618785E+18	5,183240E+20
402	2,265617E+21	4,778224E+21	6,521131E+21	6,521333E+21	4,778565E+21	2,265832E+21	5,184121E+20	4,620699E+18	0,000000E+00	0,000000E+00	4,619033E+18	5,182655E+20
403	2,265662E+21	4,778598E+21	6,521643E+21	6,521589E+21	4,778465E+21	2,265592E+21	5,182462E+20	4,618637E+18	0,000000E+00	0,000000E+00	4,619449E+18	5,183901E+20
404	2,265815E+21	4,778605E+21	6,521421E+21	6,521361E+21	4,778514E+21	2,265748E+21	5,183316E+20	4,616203E+18	0,000000E+00	0,000000E+00	4,615075E+18	5,182481E+20
405	2,265564E+21	4,778345E+21	6,521492E+21	6,521661E+21	4,778737E+21	2,265852E+21	5,183750E+20	4,620739E+18	0,000000E+00	0,000000E+00	4,620002E+18	5,183162E+20
406	2,265775E+21	4,778664E+21	6,521631E+21	6,521558E+21	4,778407E+21	2,265566E+21	5,182364E+20	4,616950E+18	0,000000E+00	0,000000E+00	4,618469E+18	5,183833E+20
407	2,265794E+21	4,778482E+21	6,521135E+21	6,521160E+21	4,778468E+21	2,265783E+21	5,183884E+20	4,619400E+18	0,000000E+00	0,000000E+00	4,619424E+18	5,182607E+20
408	2,265535E+21	4,778285E+21	6,521327E+21	6,521319E+21	4,778390E+21	2,265685E+21	5,183437E+20	4,623385E+18	0,000000E+00	0,000000E+00	4,624021E+18	5,183957E+20
409	2,265740E+21	4,778374E+21	6,521165E+21	6,520994E+21	4,778003E+21	2,265491E+21	5,183044E+20	4,621447E+18	0,000000E+00	0,000000E+00	4,623295E+18	5,183786E+20
410	2,265547E+21	4,777850E+21	6,520553E+21	6,520743E+21	4,778139E+21	2,265725E+21	5,184758E+20	4,628408E+18	0,000000E+00	0,000000E+00	4,626901E+18	5,183195E+20
411	2,265425E+21	4,777806E+21	6,520625E+21	6,520643E+21	4,777836E+21	2,265457E+21	5,183435E+20	4,628128E+18	0,000000E+00	0,000000E+00	4,630393E+18	5,184883E+20
412	2,265627E+21	4,777760E+21	6,520175E+21	6,520037E+21	4,777498E+21	2,265450E+21	5,184104E+20	4,629123E+18	0,000000E+00	0,000000E+00	4,629700E+18	5,183924E+20
413	2,265364E+21	4,777350E+21	6,519967E+21	6,520105E+21	4,777658E+21	2,265599E+21	5,185093E+20	4,634203E+18	0,000000E+00	0,000000E+00	4,632462E+18	5,184016E+20
414	2,265451E+21	4,777609E+21	6,520208E+21	6,520098E+21	4,777339E+21	2,265282E+21	5,183586E+20	4,631787E+18	0,000000E+00	0,000000E+00	4,633804E+18	5,185095E+20
415	2,265546E+21	4,777506E+21	6,519811E+21	6,519753E+21	4,777395E+21	2,265481E+21	5,184811E+20	4,632928E+18	0,000000E+00	0,000000E+00	4,631185E+18	5,183656E+20
416	2,265262E+21	4,777284E+21	6,520057E+21	6,520177E+21	4,777608E+21	2,265506E+21	5,184573E+20	4,633548E+18	0,000000E+00	0,000000E+00	4,633506E+18	5,184540E+20
417	2,265533E+21	4,777651E+21	6,520222E+21	6,520147E+21	4,777413E+21	2,265316E+21	5,183468E+20	4,629723E+18	0,000000E+00	0,000000E+00	4,631012E+18	5,184650E+20
418	2,265503E+21	4,777512E+21	6,519983E+21	6,520147E+21	4,777771E+21	2,265626E+21	5,184860E+20	4,629496E+18	0,000000E+00	0,000000E+00	4,627412E+18	5,183290E+20
419	2,265387E+21	4,777708E+21	6,520539E+21	6,520552E+21	4,777838E+21	2,265504E+21	5,183635E+20	4,628384E+18	0,000000E+00	0,000000E+00	4,629458E+18	5,184560E+20
420	2,265675E+21	4,778018E+21	6,520612E+21	6,520446E+21	4,777720E+21	2,265478E+21	5,183527E+20	4,624533E+18	0,000000E+00	0,000000E+00	4,623310E+18	5,183549E+20

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												
421	2,265486E+21	4,777811E+21	6,520608E+21	6,520798E+21	4,778176E+21	2,265732E+21	5,184641E+20	4,626701E+18	0,000000E+00	0,000000E+00	4,624529E+18	5,183053E+20
422	2,265523E+21	4,778109E+21	6,521022E+21	6,521028E+21	4,778084E+21	2,265491E+21	5,182941E+20	4,624458E+18	0,000000E+00	0,000000E+00	4,625283E+18	5,184442E+20
423	2,265732E+21	4,778189E+21	6,520764E+21	6,520671E+21	4,778035E+21	2,265613E+21	5,183676E+20	4,621556E+18	0,000000E+00	0,000000E+00	4,621498E+18	5,183131E+20
424	2,265485E+21	4,777936E+21	6,520876E+21	6,520999E+21	4,778241E+21	2,265703E+21	5,184090E+20	4,625843E+18	0,000000E+00	0,000000E+00	4,625931E+18	5,183657E+20
425	2,265669E+21	4,778244E+21	6,521023E+21	6,520911E+21	4,777930E+21	2,265431E+21	5,182793E+20	4,622628E+18	0,000000E+00	0,000000E+00	4,624503E+18	5,184285E+20
426	2,265653E+21	4,778019E+21	6,520574E+21	6,520575E+21	4,778007E+21	2,265658E+21	5,184452E+20	4,626038E+18	0,000000E+00	0,000000E+00	4,625430E+18	5,183028E+20
427	2,265375E+21	4,777748E+21	6,520664E+21	6,520711E+21	4,777961E+21	2,265571E+21	5,183979E+20	4,629782E+18	0,000000E+00	0,000000E+00	4,630169E+18	5,184399E+20
428	2,265570E+21	4,777783E+21	6,520361E+21	6,520223E+21	4,777498E+21	2,265373E+21	5,183626E+20	4,628234E+18	0,000000E+00	0,000000E+00	4,629832E+18	5,184354E+20
429	2,265414E+21	4,777316E+21	6,519795E+21	6,519963E+21	4,777605E+21	2,265595E+21	5,185318E+20	4,635074E+18	0,000000E+00	0,000000E+00	4,633455E+18	5,183748E+20
430	2,265302E+21	4,777291E+21	6,519887E+21	6,519909E+21	4,777322E+21	2,265320E+21	5,183973E+20	4,634614E+18	0,000000E+00	0,000000E+00	4,636772E+18	5,185417E+20
431	2,265538E+21	4,777350E+21	6,519521E+21	6,519297E+21	4,776947E+21	2,265294E+21	5,184549E+20	4,635342E+18	0,000000E+00	0,000000E+00	4,636108E+18	5,184476E+20
432	2,265251E+21	4,776925E+21	6,519404E+21	6,519499E+21	4,777162E+21	2,265441E+21	5,185491E+20	4,639835E+18	0,000000E+00	0,000000E+00	4,638297E+18	5,184447E+20
433	2,265313E+21	4,777141E+21	6,519612E+21	6,519539E+21	4,776936E+21	2,265163E+21	5,183997E+20	4,637468E+18	0,000000E+00	0,000000E+00	4,639858E+18	5,185594E+20
434	2,265414E+21	4,777042E+21	6,519247E+21	6,519218E+21	4,777012E+21	2,265382E+21	5,185251E+20	4,638281E+18	0,000000E+00	0,000000E+00	4,636582E+18	5,184149E+20
435	2,265159E+21	4,776839E+21	6,519447E+21	6,519606E+21	4,777230E+21	2,265416E+21	5,184988E+20	4,638389E+18	0,000000E+00	0,000000E+00	4,638438E+18	5,184908E+20
436	2,265423E+21	4,777225E+21	6,519591E+21	6,519501E+21	4,776984E+21	2,265221E+21	5,183943E+20	4,634991E+18	0,000000E+00	0,000000E+00	4,635603E+18	5,184987E+20
437	2,265397E+21	4,777143E+21	6,519463E+21	6,519564E+21	4,777346E+21	2,265525E+21	5,185363E+20	4,635033E+18	0,000000E+00	0,000000E+00	4,632148E+18	5,183569E+20
438	2,265252E+21	4,777277E+21	6,520000E+21	6,520041E+21	4,777463E+21	2,265405E+21	5,184143E+20	4,634198E+18	0,000000E+00	0,000000E+00	4,634462E+18	5,184916E+20
439	2,265568E+21	4,777617E+21	6,520049E+21	6,519875E+21	4,777304E+21	2,265354E+21	5,183876E+20	4,629721E+18	0,000000E+00	0,000000E+00	4,629020E+18	5,184102E+20
440	2,265389E+21	4,777391E+21	6,520036E+21	6,520224E+21	4,777743E+21	2,265596E+21	5,184914E+20	4,631271E+18	0,000000E+00	0,000000E+00	4,630192E+18	5,183582E+20
441	2,265434E+21	4,777695E+21	6,520421E+21	6,520434E+21	4,777670E+21	2,265375E+21	5,183265E+20	4,629106E+18	0,000000E+00	0,000000E+00	4,630949E+18	5,184977E+20
442	2,265646E+21	4,777815E+21	6,520248E+21	6,520106E+21	4,777604E+21	2,265495E+21	5,184080E+20	4,626760E+18	0,000000E+00	0,000000E+00	4,626981E+18	5,183587E+20
443	2,265386E+21	4,777531E+21	6,520311E+21	6,520413E+21	4,777818E+21	2,265598E+21	5,184580E+20	4,631494E+18	0,000000E+00	0,000000E+00	4,631179E+18	5,183954E+20
444	2,265509E+21	4,777748E+21	6,520375E+21	6,520263E+21	4,777469E+21	2,265322E+21	5,183401E+20	4,629282E+18	0,000000E+00	0,000000E+00	4,630316E+18	5,184681E+20
445	2,265491E+21	4,777486E+21	6,519892E+21	6,519906E+21	4,777534E+21	2,265541E+21	5,185075E+20	4,633269E+18	0,000000E+00	0,000000E+00	4,632046E+18	5,183527E+20
446	2,265214E+21	4,777151E+21	6,519869E+21	6,519983E+21	4,777476E+21	2,265454E+21	5,184579E+20	4,636672E+18	0,000000E+00	0,000000E+00	4,636968E+18	5,185017E+20
447	2,265469E+21	4,777280E+21	6,519573E+21	6,519391E+21	4,776908E+21	2,265212E+21	5,184083E+20	4,634670E+18	0,000000E+00	0,000000E+00	4,637022E+18	5,185058E+20
448	2,265322E+21	4,776861E+21	6,519106E+21	6,519206E+21	4,777018E+21	2,265413E+21	5,185684E+20	4,640848E+18	0,000000E+00	0,000000E+00	4,639869E+18	5,184281E+20
449	2,265189E+21	4,776850E+21	6,519259E+21	6,519238E+21	4,776811E+21	2,265174E+21	5,184431E+20	4,640703E+18	0,000000E+00	0,000000E+00	4,643145E+18	5,185885E+20
450	2,265395E+21	4,776897E+21	6,518988E+21	6,518750E+21	4,776500E+21	2,265165E+21	5,185056E+20	4,641767E+18	0,000000E+00	0,000000E+00	4,642037E+18	5,184908E+20
451	2,265105E+21	4,776428E+21	6,518791E+21	6,518957E+21	4,776786E+21	2,265343E+21	5,185972E+20	4,645591E+18	0,000000E+00	0,000000E+00	4,643780E+18	5,184803E+20
452	2,265151E+21	4,776607E+21	6,518909E+21	6,518886E+21	4,776520E+21	2,265080E+21	5,184550E+20	4,643446E+18	0,000000E+00	0,000000E+00	4,645386E+18	5,186033E+20
453	2,265290E+21	4,776570E+21	6,518594E+21	6,518579E+21	4,776584E+21	2,265290E+21	5,185770E+20	4,643910E+18	0,000000E+00	0,000000E+00	4,641817E+18	5,184568E+20
454	2,265049E+21	4,776392E+21	6,518801E+21	6,518988E+21	4,776816E+21	2,265321E+21	5,185489E+20	4,643864E+18	0,000000E+00	0,000000E+00	4,643560E+18	5,185316E+20
455	2,265341E+21	4,776864E+21	6,519016E+21	6,518857E+21	4,776507E+21	2,265092E+21	5,184334E+20	4,640169E+18	0,000000E+00	0,000000E+00	4,640918E+18	5,185461E+20
456	2,265304E+21	4,776783E+21	6,518976E+21	6,519042E+21	4,776901E+21	2,265372E+21	5,185634E+20	4,639616E+18	0,000000E+00	0,000000E+00	4,637376E+18	5,184010E+20

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	2,265151E+21	4,776886E+21	6,519466E+21	6,519530E+21	4,777081E+21	2,265286E+21	5,184453E+20	4,639061E+18	0,000000E+00	0,000000E+00	4,640102E+18	5,185436E+20
458	2,265469E+21	4,777225E+21	6,519543E+21	6,519371E+21	4,776922E+21	2,265245E+21	5,184214E+20	4,634501E+18	0,000000E+00	0,000000E+00	4,634367E+18	5,184630E+20
459	2,265316E+21	4,777015E+21	6,519485E+21	6,519682E+21	4,777358E+21	2,265494E+21	5,185258E+20	4,635897E+18	0,000000E+00	0,000000E+00	4,635123E+18	5,183933E+20
460	2,265321E+21	4,777285E+21	6,519819E+21	6,519803E+21	4,777234E+21	2,265282E+21	5,183790E+20	4,634721E+18	0,000000E+00	0,000000E+00	4,635851E+18	5,185282E+20
461	2,265513E+21	4,777396E+21	6,519685E+21	6,519516E+21	4,777169E+21	2,265396E+21	5,184686E+20	4,633203E+18	0,000000E+00	0,000000E+00	4,632471E+18	5,183890E+20
462	2,265220E+21	4,777010E+21	6,519651E+21	6,519818E+21	4,777400E+21	2,265501E+21	5,185222E+20	4,638347E+18	0,000000E+00	0,000000E+00	4,637142E+18	5,184366E+20
463	2,265359E+21	4,777214E+21	6,519639E+21	6,519546E+21	4,776963E+21	2,265187E+21	5,183901E+20	4,635744E+18	0,000000E+00	0,000000E+00	4,637230E+18	5,185313E+20
464	2,265363E+21	4,776956E+21	6,519159E+21	6,519178E+21	4,776980E+21	2,265373E+21	5,185444E+20	4,639080E+18	0,000000E+00	0,000000E+00	4,638911E+18	5,184169E+20
465	2,265107E+21	4,776654E+21	6,519124E+21	6,519234E+21	4,776936E+21	2,265301E+21	5,184987E+20	4,642449E+18	0,000000E+00	0,000000E+00	4,643732E+18	5,185634E+20
466	2,265364E+21	4,776845E+21	6,518956E+21	6,518715E+21	4,776384E+21	2,265065E+21	5,184545E+20	4,640884E+18	0,000000E+00	0,000000E+00	4,643404E+18	5,185603E+20
467	2,265217E+21	4,776434E+21	6,518506E+21	6,518579E+21	4,776540E+21	2,265283E+21	5,186166E+20	4,646958E+18	0,000000E+00	0,000000E+00	4,645548E+18	5,184628E+20
468	2,265024E+21	4,776342E+21	6,518610E+21	6,518603E+21	4,776355E+21	2,265068E+21	5,185071E+20	4,647589E+18	0,000000E+00	0,000000E+00	4,649211E+18	5,186303E+20
469	2,265235E+21	4,776368E+21	6,518317E+21	6,518142E+21	4,776082E+21	2,265068E+21	5,185667E+20	4,648697E+18	0,000000E+00	0,000000E+00	4,648339E+18	5,185400E+20
470	2,264959E+21	4,775874E+21	6,518038E+21	6,518297E+21	4,776367E+21	2,265255E+21	5,186546E+20	4,651769E+18	0,000000E+00	0,000000E+00	4,649869E+18	5,185351E+20
471	2,265055E+21	4,776151E+21	6,518196E+21	6,518148E+21	4,776005E+21	2,264947E+21	5,184965E+20	4,648953E+18	0,000000E+00	0,000000E+00	4,651487E+18	5,186610E+20
472	2,265208E+21	4,776182E+21	6,518004E+21	6,517927E+21	4,776061E+21	2,265127E+21	5,186063E+20	4,648544E+18	0,000000E+00	0,000000E+00	4,647052E+18	5,185003E+20
473	2,264953E+21	4,776024E+21	6,518261E+21	6,518412E+21	4,776370E+21	2,265192E+21	5,185851E+20	4,648817E+18	0,000000E+00	0,000000E+00	4,648843E+18	5,185710E+20
474	2,265224E+21	4,776501E+21	6,518576E+21	6,518398E+21	4,776124E+21	2,264972E+21	5,184691E+20	4,645185E+18	0,000000E+00	0,000000E+00	4,645898E+18	5,185885E+20
475	2,265201E+21	4,776397E+21	6,518464E+21	6,518570E+21	4,776562E+21	2,265272E+21	5,185937E+20	4,644097E+18	0,000000E+00	0,000000E+00	4,642029E+18	5,184341E+20
476	2,265028E+21	4,776458E+21	6,518879E+21	6,518973E+21	4,776712E+21	2,265209E+21	5,184922E+20	4,644174E+18	0,000000E+00	0,000000E+00	4,644914E+18	5,185823E+20
477	2,265366E+21	4,776829E+21	6,518979E+21	6,518832E+21	4,776546E+21	2,265159E+21	5,184706E+20	4,639874E+18	0,000000E+00	0,000000E+00	4,639235E+18	5,184972E+20
478	2,265201E+21	4,776596E+21	6,518885E+21	6,519109E+21	4,776971E+21	2,265414E+21	5,185826E+20	4,641731E+18	0,000000E+00	0,000000E+00	4,640225E+18	5,184279E+20
479	2,265201E+21	4,776870E+21	6,519221E+21	6,519160E+21	4,776752E+21	2,265160E+21	5,184305E+20	4,640741E+18	0,000000E+00	0,000000E+00	4,641636E+18	5,185710E+20
480	2,265372E+21	4,776929E+21	6,519080E+21	6,518917E+21	4,776674E+21	2,265238E+21	5,185096E+20	4,638991E+18	0,000000E+00	0,000000E+00	4,638870E+18	5,184422E+20
481	2,265084E+21	4,776497E+21	6,518934E+21	6,519148E+21	4,776928E+21	2,265367E+21	5,185659E+20	4,644373E+18	0,000000E+00	0,000000E+00	4,644108E+18	5,185021E+20
482	2,265236E+21	4,776720E+21	6,518953E+21	6,518853E+21	4,776453E+21	2,265044E+21	5,184332E+20	4,641686E+18	0,000000E+00	0,000000E+00	4,644121E+18	5,186014E+20
483	2,265279E+21	4,776504E+21	6,518461E+21	6,518466E+21	4,776458E+21	2,265222E+21	5,185820E+20	4,644822E+18	0,000000E+00	0,000000E+00	4,645059E+18	5,184645E+20
484	2,264982E+21	4,776187E+21	6,518435E+21	6,518499E+21	4,776400E+21	2,265170E+21	5,185575E+20	4,649049E+18	0,000000E+00	0,000000E+00	4,649737E+18	5,186054E+20
485	2,265219E+21	4,776366E+21	6,518321E+21	6,518083E+21	4,775908E+21	2,264944E+21	5,185201E+20	4,648261E+18	0,000000E+00	0,000000E+00	4,649692E+18	5,185983E+20
486	2,265043E+21	4,775888E+21	6,517814E+21	6,517961E+21	4,776113E+21	2,265185E+21	5,186831E+20	4,654124E+18	0,000000E+00	0,000000E+00	4,651918E+18	5,185116E+20
487	2,264873E+21	4,775797E+21	6,517860E+21	6,517879E+21	4,775857E+21	2,264947E+21	5,185625E+20	4,654134E+18	0,000000E+00	0,000000E+00	4,656057E+18	5,186905E+20
488	2,265109E+21	4,775856E+21	6,517608E+21	6,517454E+21	4,775569E+21	2,264920E+21	5,186045E+20	4,654072E+18	0,000000E+00	0,000000E+00	4,654708E+18	5,186008E+20
489	2,264866E+21	4,775429E+21	6,517340E+21	6,517603E+21	4,775880E+21	2,265118E+21	5,186907E+20	4,656774E+18	0,000000E+00	0,000000E+00	4,655805E+18	5,185879E+20
490	2,264954E+21	4,775771E+21	6,517646E+21	6,517538E+21	4,775538E+21	2,264814E+21	5,185341E+20	4,654089E+18	0,000000E+00	0,000000E+00	4,656722E+18	5,187053E+20
491	2,265116E+21	4,775830E+21	6,517511E+21	6,517406E+21	4,775647E+21	2,265000E+21	5,186387E+20	4,653291E+18	0,000000E+00	0,000000E+00	4,651399E+18	5,185254E+20
492	2,264814E+21	4,775615E+21	6,517738E+21	6,517895E+21	4,775986E+21	2,265093E+21	5,186358E+20	4,654440E+18	0,000000E+00	0,000000E+00	4,653638E+18	5,186047E+20

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	2,265095E+21	4,776075E+21	6,518025E+21	6,517916E+21	4,775801E+21	2,264896E+21	5,185209E+20	4,650927E+18	0,000000E+00	0,000000E+00	4,650849E+18	5,186275E+20
494	2,265086E+21	4,775965E+21	6,517859E+21	6,518028E+21	4,776219E+21	2,265202E+21	5,186441E+20	4,649461E+18	0,000000E+00	0,000000E+00	4,647170E+18	5,184805E+20
495	2,264945E+21	4,776072E+21	6,518271E+21	6,518333E+21	4,776260E+21	2,265096E+21	5,185353E+20	4,649365E+18	0,000000E+00	0,000000E+00	4,650316E+18	5,186269E+20
496	2,265269E+21	4,776457E+21	6,518445E+21	6,518259E+21	4,776078E+21	2,265013E+21	5,185037E+20	4,644610E+18	0,000000E+00	0,000000E+00	4,644602E+18	5,185377E+20
497	2,265083E+21	4,776190E+21	6,518308E+21	6,518528E+21	4,776532E+21	2,265287E+21	5,186244E+20	4,647220E+18	0,000000E+00	0,000000E+00	4,646142E+18	5,184716E+20
498	2,265050E+21	4,776416E+21	6,518663E+21	6,518611E+21	4,776327E+21	2,265033E+21	5,184731E+20	4,646418E+18	0,000000E+00	0,000000E+00	4,647677E+18	5,186240E+20
499	2,265249E+21	4,776453E+21	6,518427E+21	6,518302E+21	4,776237E+21	2,265110E+21	5,185459E+20	4,644402E+18	0,000000E+00	0,000000E+00	4,644782E+18	5,184912E+20
500	2,264951E+21	4,775994E+21	6,518211E+21	6,518429E+21	4,776432E+21	2,265249E+21	5,186199E+20	4,650493E+18	0,000000E+00	0,000000E+00	4,650174E+18	5,185567E+20
501	2,265128E+21	4,776253E+21	6,518254E+21	6,518165E+21	4,775977E+21	2,264924E+21	5,184908E+20	4,648241E+18	0,000000E+00	0,000000E+00	4,650275E+18	5,186496E+20
502	2,265158E+21	4,776037E+21	6,517773E+21	6,517772E+21	4,775976E+21	2,265110E+21	5,186436E+20	4,651709E+18	0,000000E+00	0,000000E+00	4,651252E+18	5,185127E+20
503	2,264853E+21	4,775716E+21	6,517768E+21	6,517789E+21	4,775857E+21	2,265024E+21	5,186162E+20	4,655962E+18	0,000000E+00	0,000000E+00	4,656403E+18	5,186563E+20
504	2,265069E+21	4,775852E+21	6,517663E+21	6,517446E+21	4,775391E+21	2,264781E+21	5,185673E+20	4,654833E+18	0,000000E+00	0,000000E+00	4,656797E+18	5,186566E+20
505	2,264898E+21	4,775345E+21	6,517061E+21	6,517260E+21	4,775633E+21	2,265057E+21	5,187316E+20	4,660397E+18	0,000000E+00	0,000000E+00	4,658974E+18	5,185766E+20
506	2,264741E+21	4,775299E+21	6,517180E+21	6,517189E+21	4,775359E+21	2,264813E+21	5,186068E+20	4,659933E+18	0,000000E+00	0,000000E+00	4,662551E+18	5,187516E+20
507	2,265018E+21	4,775423E+21	6,516944E+21	6,516770E+21	4,775077E+21	2,264778E+21	5,186401E+20	4,659291E+18	0,000000E+00	0,000000E+00	4,659910E+18	5,186371E+20
508	2,264739E+21	4,775002E+21	6,516721E+21	6,516935E+21	4,775402E+21	2,265002E+21	5,187439E+20	4,662532E+18	0,000000E+00	0,000000E+00	4,660703E+18	5,186194E+20
509	2,264821E+21	4,775343E+21	6,517089E+21	6,517007E+21	4,775152E+21	2,264714E+21	5,185914E+20	4,660434E+18	0,000000E+00	0,000000E+00	4,661606E+18	5,187324E+20
510	2,264965E+21	4,775369E+21	6,516935E+21	6,516899E+21	4,775306E+21	2,264917E+21	5,186912E+20	4,659174E+18	0,000000E+00	0,000000E+00	4,656462E+18	5,185665E+20
511	2,264695E+21	4,775171E+21	6,517133E+21	6,517299E+21	4,775570E+21	2,264985E+21	5,186798E+20	4,659842E+18	0,000000E+00	0,000000E+00	4,659254E+18	5,186554E+20
512	2,264998E+21	4,775663E+21	6,517455E+21	6,517358E+21	4,775374E+21	2,264767E+21	5,185508E+20	4,655375E+18	0,000000E+00	0,000000E+00	4,656267E+18	5,186789E+20
513	2,265009E+21	4,775599E+21	6,517280E+21	6,517439E+21	4,775808E+21	2,265087E+21	5,186761E+20	4,653926E+18	0,000000E+00	0,000000E+00	4,652645E+18	5,185288E+20
514	2,264850E+21	4,775733E+21	6,517790E+21	6,517783E+21	4,775840E+21	2,264977E+21	5,185716E+20	4,654160E+18	0,000000E+00	0,000000E+00	4,655474E+18	5,186681E+20
515	2,265167E+21	4,776090E+21	6,517944E+21	6,517739E+21	4,775673E+21	2,264886E+21	5,185368E+20	4,649431E+18	0,000000E+00	0,000000E+00	4,649468E+18	5,185692E+20
516	2,264937E+21	4,775733E+21	6,517706E+21	6,517940E+21	4,776119E+21	2,265180E+21	5,186761E+20	4,653200E+18	0,000000E+00	0,000000E+00	4,651828E+18	5,185189E+20
517	2,264918E+21	4,775912E+21	6,517981E+21	6,518007E+21	4,775935E+21	2,264937E+21	5,185296E+20	4,652755E+18	0,000000E+00	0,000000E+00	4,653626E+18	5,186752E+20
518	2,265132E+21	4,775962E+21	6,517716E+21	6,517618E+21	4,775784E+21	2,265005E+21	5,186009E+20	4,650759E+18	0,000000E+00	0,000000E+00	4,651033E+18	5,185505E+20
519	2,264858E+21	4,775547E+21	6,517510E+21	6,517652E+21	4,775861E+21	2,265096E+21	5,186721E+20	4,656947E+18	0,000000E+00	0,000000E+00	4,656517E+18	5,186086E+20
520	2,265009E+21	4,775808E+21	6,517629E+21	6,517483E+21	4,775426E+21	2,264759E+21	5,185380E+20	4,654475E+18	0,000000E+00	0,000000E+00	4,656836E+18	5,186976E+20
521	2,265017E+21	4,775557E+21	6,517122E+21	6,517110E+21	4,775477E+21	2,264965E+21	5,186946E+20	4,658434E+18	0,000000E+00	0,000000E+00	4,658163E+18	5,185649E+20
522	2,264686E+21	4,775194E+21	6,517117E+21	6,517150E+21	4,775385E+21	2,264889E+21	5,186672E+20	4,662451E+18	0,000000E+00	0,000000E+00	4,663188E+18	5,187128E+20
523	2,264928E+21	4,775322E+21	6,516949E+21	6,516780E+21	4,774932E+21	2,264652E+21	5,186095E+20	4,660760E+18	0,000000E+00	0,000000E+00	4,663065E+18	5,187054E+20
524	2,264752E+21	4,774814E+21	6,516317E+21	6,516522E+21	4,775139E+21	2,264943E+21	5,187876E+20	4,666554E+18	0,000000E+00	0,000000E+00	4,664843E+18	5,186272E+20
525	2,264620E+21	4,774804E+21	6,516475E+21	6,516519E+21	4,774913E+21	2,264706E+21	5,186661E+20	4,666365E+18	0,000000E+00	0,000000E+00	4,668007E+18	5,187877E+20
526	2,264886E+21	4,774969E+21	6,516307E+21	6,516123E+21	4,774632E+21	2,264677E+21	5,186981E+20	4,665613E+18	0,000000E+00	0,000000E+00	4,665183E+18	5,186778E+20
527	2,264615E+21	4,774565E+21	6,516124E+21	6,516290E+21	4,774906E+21	2,264861E+21	5,187939E+20	4,668590E+18	0,000000E+00	0,000000E+00	4,666333E+18	5,186638E+20
528	2,264697E+21	4,774901E+21	6,516523E+21	6,516457E+21	4,774721E+21	2,264576E+21	5,186281E+20	4,665836E+18	0,000000E+00	0,000000E+00	4,667626E+18	5,187873E+20

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												
529	2,264866E+21	4,774941E+21	6,516326E+21	6,516314E+21	4,774907E+21	2,264803E+21	5,187231E+20	4,664024E+18	0,000000E+00	0,000000E+00	4,662488E+18	5,186275E+20
530	2,264616E+21	4,774811E+21	6,516607E+21	6,516733E+21	4,775155E+21	2,264864E+21	5,187093E+20	4,664287E+18	0,000000E+00	0,000000E+00	4,664698E+18	5,187079E+20
531	2,264938E+21	4,775340E+21	6,516952E+21	6,516818E+21	4,774976E+21	2,264643E+21	5,185753E+20	4,659499E+18	0,000000E+00	0,000000E+00	4,660572E+18	5,187055E+20
532	2,264892E+21	4,775235E+21	6,516782E+21	6,516886E+21	4,775407E+21	2,264989E+21	5,187234E+20	4,659049E+18	0,000000E+00	0,000000E+00	4,657207E+18	5,185579E+20
533	2,264714E+21	4,775299E+21	6,517255E+21	6,517303E+21	4,775507E+21	2,264895E+21	5,186285E+20	4,660191E+18	0,000000E+00	0,000000E+00	4,660209E+18	5,186928E+20
534	2,265007E+21	4,775603E+21	6,517329E+21	6,517186E+21	4,775325E+21	2,264812E+21	5,185933E+20	4,655462E+18	0,000000E+00	0,000000E+00	4,654892E+18	5,186164E+20
535	2,264813E+21	4,775246E+21	6,517027E+21	6,517248E+21	4,775637E+21	2,265056E+21	5,187258E+20	4,659232E+18	0,000000E+00	0,000000E+00	4,657990E+18	5,185758E+20
536	2,264819E+21	4,775454E+21	6,517320E+21	6,517324E+21	4,775420E+21	2,264787E+21	5,185701E+20	4,658251E+18	0,000000E+00	0,000000E+00	4,659953E+18	5,187330E+20
537	2,265037E+21	4,775523E+21	6,517044E+21	6,516907E+21	4,775273E+21	2,264859E+21	5,186428E+20	4,656713E+18	0,000000E+00	0,000000E+00	4,657596E+18	5,186052E+20
538	2,264741E+21	4,775136E+21	6,516944E+21	6,516999E+21	4,775346E+21	2,264942E+21	5,187162E+20	4,663037E+18	0,000000E+00	0,000000E+00	4,662789E+18	5,186571E+20
539	2,264878E+21	4,775348E+21	6,517027E+21	6,516871E+21	4,774953E+21	2,264611E+21	5,185821E+20	4,660708E+18	0,000000E+00	0,000000E+00	4,662947E+18	5,187358E+20
540	2,264839E+21	4,775004E+21	6,516423E+21	6,516439E+21	4,775018E+21	2,264854E+21	5,187567E+20	4,665476E+18	0,000000E+00	0,000000E+00	4,664826E+18	5,186218E+20
541	2,264535E+21	4,774606E+21	6,516337E+21	6,516472E+21	4,774957E+21	2,264794E+21	5,187336E+20	4,669534E+18	0,000000E+00	0,000000E+00	4,669667E+18	5,187633E+20
542	2,264786E+21	4,774774E+21	6,516170E+21	6,516031E+21	4,774451E+21	2,264550E+21	5,186713E+20	4,667536E+18	0,000000E+00	0,000000E+00	4,669551E+18	5,187636E+20
543	2,264640E+21	4,774326E+21	6,515583E+21	6,515715E+21	4,774554E+21	2,264787E+21	5,188396E+20	4,672953E+18	0,000000E+00	0,000000E+00	4,670973E+18	5,186771E+20
544	2,264501E+21	4,774346E+21	6,515841E+21	6,515832E+21	4,774369E+21	2,264545E+21	5,187097E+20	4,672314E+18	0,000000E+00	0,000000E+00	4,674199E+18	5,188335E+20
545	2,264758E+21	4,774510E+21	6,515692E+21	6,515506E+21	4,774167E+21	2,264536E+21	5,187378E+20	4,671471E+18	0,000000E+00	0,000000E+00	4,671366E+18	5,187295E+20
546	2,264492E+21	4,774145E+21	6,515579E+21	6,515730E+21	4,774480E+21	2,264727E+21	5,188266E+20	4,673677E+18	0,000000E+00	0,000000E+00	4,672178E+18	5,187192E+20
547	2,264611E+21	4,774505E+21	6,515968E+21	6,515914E+21	4,774338E+21	2,264462E+21	5,186559E+20	4,670334E+18	0,000000E+00	0,000000E+00	4,672619E+18	5,188281E+20
548	2,264767E+21	4,774554E+21	6,515778E+21	6,515751E+21	4,774525E+21	2,264712E+21	5,187638E+20	4,668657E+18	0,000000E+00	0,000000E+00	4,667186E+18	5,186695E+20
549	2,264530E+21	4,774432E+21	6,516067E+21	6,516232E+21	4,774829E+21	2,264792E+21	5,187598E+20	4,669529E+18	0,000000E+00	0,000000E+00	4,668889E+18	5,187277E+20
550	2,264812E+21	4,774957E+21	6,516450E+21	6,516312E+21	4,774632E+21	2,264575E+21	5,186289E+20	4,664976E+18	0,000000E+00	0,000000E+00	4,664984E+18	5,187341E+20
551	2,264758E+21	4,774809E+21	6,516236E+21	6,516304E+21	4,774962E+21	2,264869E+21	5,187740E+20	4,664909E+18	0,000000E+00	0,000000E+00	4,662461E+18	5,185964E+20
552	2,264581E+21	4,774822E+21	6,516646E+21	6,516725E+21	4,775084E+21	2,264776E+21	5,186716E+20	4,665786E+18	0,000000E+00	0,000000E+00	4,666214E+18	5,187457E+20
553	2,264895E+21	4,775131E+21	6,516655E+21	6,516527E+21	4,774875E+21	2,264690E+21	5,186322E+20	4,660968E+18	0,000000E+00	0,000000E+00	4,661406E+18	5,186813E+20
554	2,264732E+21	4,774847E+21	6,516416E+21	6,516568E+21	4,775124E+21	2,264900E+21	5,187585E+20	4,664533E+18	0,000000E+00	0,000000E+00	4,664239E+18	5,186349E+20
555	2,264745E+21	4,775073E+21	6,516735E+21	6,516678E+21	4,774931E+21	2,264636E+21	5,186037E+20	4,663464E+18	0,000000E+00	0,000000E+00	4,665371E+18	5,187684E+20
556	2,264901E+21	4,775084E+21	6,516464E+21	6,516277E+21	4,774796E+21	2,264732E+21	5,186965E+20	4,663149E+18	0,000000E+00	0,000000E+00	4,663560E+18	5,186465E+20
557	2,264585E+21	4,774608E+21	6,516294E+21	6,516432E+21	4,774951E+21	2,264843E+21	5,187809E+20	4,670152E+18	0,000000E+00	0,000000E+00	4,668718E+18	5,186907E+20
558	2,264694E+21	4,774773E+21	6,516305E+21	6,516222E+21	4,774541E+21	2,264529E+21	5,186480E+20	4,667782E+18	0,000000E+00	0,000000E+00	4,669647E+18	5,187914E+20
559	2,264687E+21	4,774422E+21	6,515631E+21	6,515646E+21	4,774466E+21	2,264721E+21	5,188161E+20	4,672395E+18	0,000000E+00	0,000000E+00	4,671757E+18	5,186859E+20
560	2,264419E+21	4,774070E+21	6,515564E+21	6,515695E+21	4,774400E+21	2,264645E+21	5,187818E+20	4,675625E+18	0,000000E+00	0,000000E+00	4,676521E+18	5,188230E+20
561	2,264677E+21	4,774291E+21	6,515435E+21	6,515255E+21	4,773901E+21	2,264401E+21	5,187166E+20	4,673733E+18	0,000000E+00	0,000000E+00	4,676297E+18	5,188216E+20
562	2,264533E+21	4,773920E+21	6,514997E+21	6,515033E+21	4,774003E+21	2,264615E+21	5,188764E+20	4,678670E+18	0,000000E+00	0,000000E+00	4,677029E+18	5,187288E+20
563	2,264394E+21	4,773930E+21	6,515280E+21	6,515253E+21	4,773908E+21	2,264392E+21	5,187438E+20	4,677822E+18	0,000000E+00	0,000000E+00	4,679753E+18	5,188719E+20
564	2,264619E+21	4,774047E+21	6,515101E+21	6,514939E+21	4,773767E+21	2,264432E+21	5,187840E+20	4,677237E+18	0,000000E+00	0,000000E+00	4,677025E+18	5,187817E+20

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	2,264388E+21	4,773691E+21	6,514971E+21	6,515206E+21	4,774141E+21	2,264650E+21	5,188782E+20	4,679328E+18	0,000000E+00	0,000000E+00	4,677205E+18	5,187558E+20
566	2,264504E+21	4,774100E+21	6,515384E+21	6,515343E+21	4,773979E+21	2,264399E+21	5,187100E+20	4,675870E+18	0,000000E+00	0,000000E+00	4,677443E+18	5,188639E+20
567	2,264657E+21	4,774159E+21	6,515223E+21	6,515139E+21	4,774073E+21	2,264602E+21	5,188126E+20	4,674024E+18	0,000000E+00	0,000000E+00	4,671875E+18	5,187009E+20
568	2,264411E+21	4,774023E+21	6,515536E+21	6,515686E+21	4,774402E+21	2,264676E+21	5,188038E+20	4,674863E+18	0,000000E+00	0,000000E+00	4,674063E+18	5,187578E+20
569	2,264663E+21	4,774491E+21	6,515856E+21	6,515756E+21	4,774233E+21	2,264464E+21	5,186706E+20	4,670456E+18	0,000000E+00	0,000000E+00	4,670669E+18	5,187794E+20
570	2,264634E+21	4,774382E+21	6,515666E+21	6,515726E+21	4,774527E+21	2,264734E+21	5,188035E+20	4,669797E+18	0,000000E+00	0,000000E+00	4,668394E+18	5,186549E+20
571	2,264501E+21	4,774414E+21	6,516043E+21	6,516118E+21	4,774641E+21	2,264644E+21	5,186992E+20	4,670429E+18	0,000000E+00	0,000000E+00	4,671541E+18	5,187914E+20
572	2,264800E+21	4,774722E+21	6,516050E+21	6,515898E+21	4,774428E+21	2,264573E+21	5,186738E+20	4,666200E+18	0,000000E+00	0,000000E+00	4,666970E+18	5,187329E+20
573	2,264645E+21	4,774439E+21	6,515828E+21	6,515997E+21	4,774719E+21	2,264797E+21	5,188102E+20	4,670562E+18	0,000000E+00	0,000000E+00	4,669445E+18	5,186654E+20
574	2,264608E+21	4,774638E+21	6,516157E+21	6,516090E+21	4,774512E+21	2,264546E+21	5,186652E+20	4,669945E+18	0,000000E+00	0,000000E+00	4,671100E+18	5,188075E+20
575	2,264742E+21	4,774565E+21	6,515809E+21	6,515620E+21	4,774294E+21	2,264598E+21	5,187554E+20	4,670190E+18	0,000000E+00	0,000000E+00	4,670273E+18	5,187003E+20
576	2,264437E+21	4,774043E+21	6,515546E+21	6,515732E+21	4,774458E+21	2,264717E+21	5,188347E+20	4,676773E+18	0,000000E+00	0,000000E+00	4,675983E+18	5,187531E+20
577	2,264555E+21	4,774207E+21	6,515500E+21	6,515441E+21	4,774011E+21	2,264398E+21	5,187001E+20	4,674364E+18	0,000000E+00	0,000000E+00	4,677193E+18	5,188616E+20
578	2,264587E+21	4,773959E+21	6,514917E+21	6,514857E+21	4,773866E+21	2,264547E+21	5,188560E+20	4,678456E+18	0,000000E+00	0,000000E+00	4,678593E+18	5,187495E+20
579	2,264329E+21	4,773641E+21	6,514901E+21	6,514968E+21	4,773844E+21	2,264478E+21	5,188198E+20	4,681336E+18	0,000000E+00	0,000000E+00	4,682268E+18	5,188597E+20
580	2,264533E+21	4,773826E+21	6,514817E+21	6,514604E+21	4,773405E+21	2,264265E+21	5,187690E+20	4,680209E+18	0,000000E+00	0,000000E+00	4,682220E+18	5,188659E+20
581	2,264391E+21	4,773418E+21	6,514370E+21	6,514495E+21	4,773619E+21	2,264510E+21	5,189318E+20	4,685189E+18	0,000000E+00	0,000000E+00	4,682381E+18	5,187621E+20
582	2,264242E+21	4,773442E+21	6,514654E+21	6,514688E+21	4,773545E+21	2,264324E+21	5,188035E+20	4,684064E+18	0,000000E+00	0,000000E+00	4,685492E+18	5,189191E+20
583	2,264492E+21	4,773566E+21	6,514456E+21	6,514302E+21	4,773309E+21	2,264322E+21	5,188354E+20	4,683116E+18	0,000000E+00	0,000000E+00	4,682541E+18	5,188299E+20
584	2,264289E+21	4,773260E+21	6,514352E+21	6,514594E+21	4,773707E+21	2,264544E+21	5,189219E+20	4,684460E+18	0,000000E+00	0,000000E+00	4,682582E+18	5,187944E+20
585	2,264390E+21	4,773694E+21	6,514799E+21	6,514741E+21	4,773555E+21	2,264296E+21	5,187524E+20	4,681115E+18	0,000000E+00	0,000000E+00	4,682789E+18	5,189019E+20
586	2,264545E+21	4,773802E+21	6,514726E+21	6,514582E+21	4,773612E+21	2,264459E+21	5,188438E+20	4,678744E+18	0,000000E+00	0,000000E+00	4,677032E+18	5,187442E+20
587	2,264309E+21	4,773632E+21	6,514996E+21	6,515167E+21	4,774004E+21	2,264547E+21	5,188315E+20	4,679531E+18	0,000000E+00	0,000000E+00	4,679111E+18	5,187955E+20
588	2,264539E+21	4,774051E+21	6,515264E+21	6,515202E+21	4,773850E+21	2,264364E+21	5,187097E+20	4,675465E+18	0,000000E+00	0,000000E+00	4,676233E+18	5,188377E+20
589	2,264555E+21	4,773962E+21	6,515060E+21	6,515183E+21	4,774152E+21	2,264636E+21	5,188454E+20	4,675047E+18	0,000000E+00	0,000000E+00	4,673600E+18	5,186981E+20
590	2,264415E+21	4,774046E+21	6,515474E+21	6,515525E+21	4,774229E+21	2,264554E+21	5,187499E+20	4,675971E+18	0,000000E+00	0,000000E+00	4,676771E+18	5,188324E+20
591	2,264688E+21	4,774317E+21	6,515477E+21	6,515262E+21	4,773929E+21	2,264441E+21	5,187244E+20	4,672249E+18	0,000000E+00	0,000000E+00	4,672495E+18	5,187709E+20
592	2,264513E+21	4,773991E+21	6,515238E+21	6,515398E+21	4,774254E+21	2,264674E+21	5,188619E+20	4,676858E+18	0,000000E+00	0,000000E+00	4,675593E+18	5,187041E+20
593	2,264438E+21	4,774105E+21	6,515471E+21	6,515450E+21	4,774063E+21	2,264435E+21	5,187205E+20	4,676548E+18	0,000000E+00	0,000000E+00	4,677944E+18	5,188608E+20
594	2,264597E+21	4,774056E+21	6,515108E+21	6,514926E+21	4,773776E+21	2,264452E+21	5,187991E+20	4,676359E+18	0,000000E+00	0,000000E+00	4,677460E+18	5,187697E+20
595	2,264336E+21	4,773547E+21	6,514799E+21	6,515000E+21	4,773932E+21	2,264568E+21	5,188744E+20	4,682495E+18	0,000000E+00	0,000000E+00	4,682341E+18	5,188063E+20
596	2,264428E+21	4,773704E+21	6,514768E+21	6,514700E+21	4,773486E+21	2,264264E+21	5,187522E+20	4,680623E+18	0,000000E+00	0,000000E+00	4,683667E+18	5,189184E+20
597	2,264474E+21	4,773481E+21	6,514245E+21	6,514200E+21	4,773379E+21	2,264418E+21	5,189122E+20	4,685205E+18	0,000000E+00	0,000000E+00	4,684248E+18	5,187842E+20
598	2,264181E+21	4,773174E+21	6,514275E+21	6,514326E+21	4,773367E+21	2,264367E+21	5,188849E+20	4,688290E+18	0,000000E+00	0,000000E+00	4,688153E+18	5,188985E+20
599	2,264362E+21	4,773290E+21	6,514140E+21	6,513950E+21	4,772914E+21	2,264134E+21	5,188287E+20	4,687380E+18	0,000000E+00	0,000000E+00	4,688623E+18	5,189179E+20
600	2,264256E+21	4,772901E+21	6,513670E+21	6,513840E+21	4,773168E+21	2,264396E+21	5,189810E+20	4,691382E+18	0,000000E+00	0,000000E+00	4,688991E+18	5,188195E+20

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	2,264121E+21	4,772947E+21	6,513941E+21	6,513997E+21	4,773082E+21	2,264218E+21	5,188532E+20	4,689983E+18	0,000000E+00	0,000000E+00	4,692033E+18	5,189771E+20
602	2,264406E+21	4,773185E+21	6,513861E+21	6,513659E+21	4,772810E+21	2,264173E+21	5,188666E+20	4,687996E+18	0,000000E+00	0,000000E+00	4,688218E+18	5,188818E+20
603	2,264211E+21	4,772909E+21	6,513810E+21	6,514014E+21	4,773255E+21	2,264403E+21	5,189498E+20	4,688933E+18	0,000000E+00	0,000000E+00	4,687295E+18	5,188213E+20
604	2,264249E+21	4,773281E+21	6,514272E+21	6,514222E+21	4,773162E+21	2,264187E+21	5,187933E+20	4,686215E+18	0,000000E+00	0,000000E+00	4,687725E+18	5,189386E+20
605	2,264416E+21	4,773361E+21	6,514179E+21	6,514128E+21	4,773285E+21	2,264367E+21	5,188861E+20	4,683909E+18	0,000000E+00	0,000000E+00	4,681620E+18	5,187770E+20
606	2,264188E+21	4,773220E+21	6,514426E+21	6,514629E+21	4,773654E+21	2,264477E+21	5,188810E+20	4,684781E+18	0,000000E+00	0,000000E+00	4,684229E+18	5,188408E+20
607	2,264434E+21	4,773628E+21	6,514657E+21	6,514593E+21	4,773412E+21	2,264255E+21	5,187559E+20	4,680777E+18	0,000000E+00	0,000000E+00	4,681425E+18	5,188870E+20
608	2,264479E+21	4,773590E+21	6,514477E+21	6,514577E+21	4,773718E+21	2,264522E+21	5,188856E+20	4,680235E+18	0,000000E+00	0,000000E+00	4,679108E+18	5,187396E+20
609	2,264304E+21	4,773652E+21	6,514904E+21	6,514919E+21	4,773782E+21	2,264443E+21	5,187998E+20	4,681784E+18	0,000000E+00	0,000000E+00	4,682495E+18	5,188723E+20
610	2,264565E+21	4,773926E+21	6,514945E+21	6,514691E+21	4,773441E+21	2,264286E+21	5,187638E+20	4,677958E+18	0,000000E+00	0,000000E+00	4,678664E+18	5,188209E+20
611	2,264387E+21	4,773529E+21	6,514610E+21	6,514806E+21	4,773807E+21	2,264536E+21	5,189014E+20	4,682698E+18	0,000000E+00	0,000000E+00	4,681769E+18	5,187514E+20
612	2,264281E+21	4,773567E+21	6,514754E+21	6,514784E+21	4,773612E+21	2,264326E+21	5,187740E+20	4,682781E+18	0,000000E+00	0,000000E+00	4,684707E+18	5,189248E+20
613	2,264482E+21	4,773533E+21	6,514363E+21	6,514246E+21	4,773307E+21	2,264336E+21	5,188561E+20	4,682979E+18	0,000000E+00	0,000000E+00	4,683725E+18	5,188202E+20
614	2,264219E+21	4,773085E+21	6,514093E+21	6,514267E+21	4,773425E+21	2,264455E+21	5,189371E+20	4,689192E+18	0,000000E+00	0,000000E+00	4,688433E+18	5,188521E+20
615	2,264280E+21	4,773197E+21	6,514064E+21	6,513954E+21	4,772914E+21	2,264111E+21	5,188139E+20	4,687843E+18	0,000000E+00	0,000000E+00	4,689990E+18	5,189625E+20
616	2,264321E+21	4,772959E+21	6,513551E+21	6,513509E+21	4,772862E+21	2,264275E+21	5,189657E+20	4,692181E+18	0,000000E+00	0,000000E+00	4,690881E+18	5,188298E+20
617	2,264010E+21	4,772619E+21	6,513555E+21	6,513648E+21	4,772888E+21	2,264242E+21	5,189401E+20	4,695029E+18	0,000000E+00	0,000000E+00	4,695137E+18	5,189568E+20
618	2,264236E+21	4,772808E+21	6,513458E+21	6,513270E+21	4,772402E+21	2,263983E+21	5,188673E+20	4,693240E+18	0,000000E+00	0,000000E+00	4,695482E+18	5,189856E+20
619	2,264173E+21	4,772473E+21	6,513013E+21	6,513187E+21	4,772696E+21	2,264257E+21	5,190123E+20	4,696237E+18	0,000000E+00	0,000000E+00	4,694636E+18	5,188678E+20
620	2,264014E+21	4,772532E+21	6,513335E+21	6,513379E+21	4,772650E+21	2,264110E+21	5,188966E+20	4,695112E+18	0,000000E+00	0,000000E+00	4,697447E+18	5,190211E+20
621	2,264304E+21	4,772787E+21	6,513323E+21	6,513145E+21	4,772427E+21	2,264071E+21	5,189122E+20	4,693282E+18	0,000000E+00	0,000000E+00	4,692601E+18	5,189069E+20
622	2,264082E+21	4,772527E+21	6,513300E+21	6,513504E+21	4,772886E+21	2,264314E+21	5,190009E+20	4,694375E+18	0,000000E+00	0,000000E+00	4,692035E+18	5,188520E+20
623	2,264095E+21	4,772805E+21	6,513675E+21	6,513667E+21	4,772763E+21	2,264080E+21	5,188421E+20	4,692002E+18	0,000000E+00	0,000000E+00	4,692931E+18	5,189835E+20
624	2,264307E+21	4,772923E+21	6,513562E+21	6,513537E+21	4,772890E+21	2,264268E+21	5,189265E+20	4,689127E+18	0,000000E+00	0,000000E+00	4,687220E+18	5,188279E+20
625	2,264095E+21	4,772817E+21	6,513818E+21	6,514000E+21	4,773217E+21	2,264371E+21	5,189272E+20	4,690214E+18	0,000000E+00	0,000000E+00	4,689965E+18	5,188919E+20
626	2,264363E+21	4,773307E+21	6,514132E+21	6,513990E+21	4,772933E+21	2,264107E+21	5,187886E+20	4,685680E+18	0,000000E+00	0,000000E+00	4,686839E+18	5,189343E+20
627	2,264396E+21	4,773252E+21	6,513972E+21	6,514027E+21	4,773276E+21	2,264379E+21	5,189168E+20	4,685219E+18	0,000000E+00	0,000000E+00	4,684239E+18	5,187711E+20
628	2,264153E+21	4,773201E+21	6,514341E+21	6,514388E+21	4,773386E+21	2,264335E+21	5,188485E+20	4,687555E+18	0,000000E+00	0,000000E+00	4,688211E+18	5,189142E+20
629	2,264413E+21	4,773414E+21	6,514320E+21	6,514171E+21	4,773077E+21	2,264188E+21	5,188155E+20	4,684070E+18	0,000000E+00	0,000000E+00	4,684494E+18	5,188648E+20
630	2,264247E+21	4,773035E+21	6,513920E+21	6,514143E+21	4,773371E+21	2,264447E+21	5,189621E+20	4,689141E+18	0,000000E+00	0,000000E+00	4,688025E+18	5,188043E+20
631	2,264134E+21	4,773014E+21	6,513982E+21	6,514031E+21	4,773088E+21	2,264199E+21	5,188345E+20	4,689486E+18	0,000000E+00	0,000000E+00	4,691094E+18	5,189796E+20
632	2,264367E+21	4,773044E+21	6,513623E+21	6,513475E+21	4,772770E+21	2,264197E+21	5,189086E+20	4,689660E+18	0,000000E+00	0,000000E+00	4,690421E+18	5,188715E+20
633	2,264080E+21	4,772590E+21	6,513383E+21	6,513501E+21	4,772858E+21	2,264307E+21	5,189961E+20	4,696189E+18	0,000000E+00	0,000000E+00	4,695141E+18	5,189036E+20
634	2,264145E+21	4,772724E+21	6,513406E+21	6,513257E+21	4,772350E+21	2,263930E+21	5,188573E+20	4,694390E+18	0,000000E+00	0,000000E+00	4,697086E+18	5,190250E+20
635	2,264201E+21	4,772471E+21	6,512872E+21	6,512847E+21	4,772366E+21	2,264113E+21	5,190003E+20	4,698148E+18	0,000000E+00	0,000000E+00	4,697579E+18	5,188887E+20
636	2,263878E+21	4,772107E+21	6,512853E+21	6,512980E+21	4,772427E+21	2,264123E+21	5,189879E+20	4,700920E+18	0,000000E+00	0,000000E+00	4,701850E+18	5,190209E+20

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	2,264139E+21	4,772345E+21	6,512809E+21	6,512666E+21	4,771975E+21	2,263872E+21	5,189164E+20	4,699169E+18	0,000000E+00	0,000000E+00	4,701103E+18	5,190281E+20
638	2,264065E+21	4,772083E+21	6,512433E+21	6,512566E+21	4,772266E+21	2,264161E+21	5,190666E+20	4,701911E+18	0,000000E+00	0,000000E+00	4,699624E+18	5,188990E+20
639	2,263859E+21	4,772064E+21	6,512741E+21	6,512774E+21	4,772202E+21	2,263998E+21	5,189536E+20	4,701294E+18	0,000000E+00	0,000000E+00	4,702369E+18	5,190481E+20
640	2,264152E+21	4,772319E+21	6,512722E+21	6,512573E+21	4,772033E+21	2,263970E+21	5,189597E+20	4,699080E+18	0,000000E+00	0,000000E+00	4,697830E+18	5,189416E+20
641	2,263931E+21	4,772046E+21	6,512673E+21	6,512907E+21	4,772486E+21	2,264217E+21	5,190499E+20	4,700004E+18	0,000000E+00	0,000000E+00	4,697714E+18	5,189028E+20
642	2,264004E+21	4,772404E+21	6,513084E+21	6,513062E+21	4,772316E+21	2,263946E+21	5,188737E+20	4,696823E+18	0,000000E+00	0,000000E+00	4,698608E+18	5,190440E+20
643	2,264254E+21	4,772579E+21	6,513017E+21	6,512965E+21	4,772465E+21	2,264129E+21	5,189482E+20	4,693290E+18	0,000000E+00	0,000000E+00	4,692249E+18	5,188734E+20
644	2,264013E+21	4,772477E+21	6,513312E+21	6,513456E+21	4,772818E+21	2,264260E+21	5,189639E+20	4,694969E+18	0,000000E+00	0,000000E+00	4,695089E+18	5,189334E+20
645	2,264266E+21	4,772942E+21	6,513662E+21	6,513526E+21	4,772571E+21	2,264005E+21	5,188340E+20	4,691029E+18	0,000000E+00	0,000000E+00	4,691373E+18	5,189598E+20
646	2,264261E+21	4,772856E+21	6,513466E+21	6,513523E+21	4,772914E+21	2,264290E+21	5,189707E+20	4,691142E+18	0,000000E+00	0,000000E+00	4,689600E+18	5,188080E+20
647	2,263985E+21	4,772660E+21	6,513668E+21	6,513776E+21	4,772969E+21	2,264232E+21	5,189064E+20	4,694048E+18	0,000000E+00	0,000000E+00	4,694236E+18	5,189637E+20
648	2,264279E+21	4,772886E+21	6,513570E+21	6,513450E+21	4,772619E+21	2,264083E+21	5,188685E+20	4,690413E+18	0,000000E+00	0,000000E+00	4,691253E+18	5,189241E+20
649	2,264127E+21	4,772535E+21	6,513174E+21	6,513358E+21	4,772833E+21	2,264316E+21	5,190185E+20	4,695741E+18	0,000000E+00	0,000000E+00	4,694842E+18	5,188655E+20
650	2,264041E+21	4,772580E+21	6,513299E+21	6,513259E+21	4,772491E+21	2,264017E+21	5,188763E+20	4,695612E+18	0,000000E+00	0,000000E+00	4,697778E+18	5,190366E+20
651	2,264257E+21	4,772600E+21	6,512984E+21	6,512779E+21	4,772215E+21	2,264014E+21	5,189448E+20	4,695800E+18	0,000000E+00	0,000000E+00	4,696804E+18	5,189172E+20
652	2,263923E+21	4,772078E+21	6,512726E+21	6,512853E+21	4,772370E+21	2,264160E+21	5,190440E+20	4,702622E+18	0,000000E+00	0,000000E+00	4,701786E+18	5,189579E+20
653	2,263998E+21	4,772186E+21	6,512735E+21	6,512658E+21	4,771925E+21	2,263814E+21	5,189106E+20	4,700962E+18	0,000000E+00	0,000000E+00	4,703470E+18	5,190751E+20
654	2,264071E+21	4,771987E+21	6,512206E+21	6,512192E+21	4,771926E+21	2,264016E+21	5,190580E+20	4,704508E+18	0,000000E+00	0,000000E+00	4,703738E+18	5,189404E+20
655	2,263737E+21	4,771578E+21	6,512134E+21	6,512286E+21	4,771952E+21	2,264011E+21	5,190488E+20	4,707392E+18	0,000000E+00	0,000000E+00	4,707648E+18	5,190636E+20
656	2,264016E+21	4,771882E+21	6,512138E+21	6,511979E+21	4,771524E+21	2,263772E+21	5,189716E+20	4,705511E+18	0,000000E+00	0,000000E+00	4,706863E+18	5,190646E+20
657	2,263916E+21	4,771618E+21	6,511816E+21	6,511906E+21	4,771789E+21	2,264047E+21	5,191239E+20	4,708166E+18	0,000000E+00	0,000000E+00	4,705190E+18	5,189396E+20
658	2,263730E+21	4,771611E+21	6,512139E+21	6,512164E+21	4,771729E+21	2,263848E+21	5,189914E+20	4,706952E+18	0,000000E+00	0,000000E+00	4,708281E+18	5,190998E+20
659	2,264047E+21	4,771879E+21	6,512115E+21	6,511985E+21	4,771609E+21	2,263829E+21	5,189848E+20	4,703856E+18	0,000000E+00	0,000000E+00	4,703487E+18	5,189978E+20
660	2,263842E+21	4,771632E+21	6,512073E+21	6,512310E+21	4,772070E+21	2,264101E+21	5,190833E+20	4,704667E+18	0,000000E+00	0,000000E+00	4,703460E+18	5,189632E+20
661	2,263948E+21	4,772054E+21	6,512573E+21	6,512548E+21	4,771938E+21	2,263841E+21	5,189116E+20	4,701640E+18	0,000000E+00	0,000000E+00	4,703323E+18	5,190825E+20
662	2,264181E+21	4,772287E+21	6,512579E+21	6,512451E+21	4,772080E+21	2,264030E+21	5,189904E+20	4,698262E+18	0,000000E+00	0,000000E+00	4,696779E+18	5,189003E+20
663	2,263872E+21	4,772050E+21	6,512791E+21	6,512932E+21	4,772424E+21	2,264159E+21	5,190164E+20	4,700829E+18	0,000000E+00	0,000000E+00	4,699818E+18	5,189569E+20
664	2,264112E+21	4,772476E+21	6,513074E+21	6,512980E+21	4,772216E+21	2,263919E+21	5,188828E+20	4,696948E+18	0,000000E+00	0,000000E+00	4,696891E+18	5,189946E+20
665	2,264099E+21	4,772340E+21	6,512802E+21	6,512875E+21	4,772487E+21	2,264195E+21	5,190265E+20	4,697358E+18	0,000000E+00	0,000000E+00	4,695896E+18	5,188648E+20
666	2,263879E+21	4,772176E+21	6,512965E+21	6,513066E+21	4,772463E+21	2,264090E+21	5,189474E+20	4,699660E+18	0,000000E+00	0,000000E+00	4,700686E+18	5,190265E+20
667	2,264196E+21	4,772449E+21	6,512894E+21	6,512739E+21	4,772101E+21	2,263923E+21	5,189012E+20	4,695739E+18	0,000000E+00	0,000000E+00	4,697520E+18	5,189806E+20
668	2,264024E+21	4,772100E+21	6,512532E+21	6,512654E+21	4,772306E+21	2,264165E+21	5,190617E+20	4,701672E+18	0,000000E+00	0,000000E+00	4,701184E+18	5,189182E+20
669	2,263923E+21	4,772126E+21	6,512715E+21	6,512654E+21	4,772008E+21	2,263876E+21	5,189279E+20	4,702047E+18	0,000000E+00	0,000000E+00	4,703675E+18	5,190757E+20
670	2,264110E+21	4,772125E+21	6,512379E+21	6,512169E+21	4,771758E+21	2,263888E+21	5,189995E+20	4,702686E+18	0,000000E+00	0,000000E+00	4,703213E+18	5,189637E+20
671	2,263748E+21	4,771488E+21	6,511981E+21	6,512169E+21	4,771905E+21	2,264046E+21	5,191058E+20	4,709740E+18	0,000000E+00	0,000000E+00	4,708372E+18	5,190118E+20
672	2,263863E+21	4,771644E+21	6,511961E+21	6,511912E+21	4,771464E+21	2,263718E+21	5,189721E+20	4,707972E+18	0,000000E+00	0,000000E+00	4,710447E+18	5,191301E+20

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												
673	2,263938E+21	4,771477E+21	6,511483E+21	6,511435E+21	4,771409E+21	2,263902E+21	5,191213E+20	4,711363E+18	0,000000E+00	0,000000E+00	4,710247E+18	5,189966E+20
674	2,263633E+21	4,771122E+21	6,511464E+21	6,511568E+21	4,771406E+21	2,263853E+21	5,190943E+20	4,713441E+18	0,000000E+00	0,000000E+00	4,713823E+18	5,191100E+20
675	2,263890E+21	4,771425E+21	6,511521E+21	6,511343E+21	4,771032E+21	2,263614E+21	5,190061E+20	4,711051E+18	0,000000E+00	0,000000E+00	4,712694E+18	5,191078E+20
676	2,263773E+21	4,771138E+21	6,511204E+21	6,511310E+21	4,771347E+21	2,263914E+21	5,191598E+20	4,713387E+18	0,000000E+00	0,000000E+00	4,711052E+18	5,189932E+20
677	2,263621E+21	4,771161E+21	6,511552E+21	6,511614E+21	4,771337E+21	2,263742E+21	5,190309E+20	4,712163E+18	0,000000E+00	0,000000E+00	4,713550E+18	5,191456E+20
678	2,263963E+21	4,771510E+21	6,511580E+21	6,511436E+21	4,771225E+21	2,263734E+21	5,190240E+20	4,708696E+18	0,000000E+00	0,000000E+00	4,708345E+18	5,190408E+20
679	2,263749E+21	4,771241E+21	6,511518E+21	6,511751E+21	4,771673E+21	2,263998E+21	5,191272E+20	4,709808E+18	0,000000E+00	0,000000E+00	4,708090E+18	5,189967E+20
680	2,263857E+21	4,771702E+21	6,512044E+21	6,511987E+21	4,771572E+21	2,263763E+21	5,189606E+20	4,707151E+18	0,000000E+00	0,000000E+00	4,708040E+18	5,191074E+20
681	2,264042E+21	4,771886E+21	6,512082E+21	6,511921E+21	4,771682E+21	2,263936E+21	5,190435E+20	4,703990E+18	0,000000E+00	0,000000E+00	4,701917E+18	5,189377E+20
682	2,263751E+21	4,771609E+21	6,512215E+21	6,512375E+21	4,772000E+21	2,264027E+21	5,190546E+20	4,706320E+18	0,000000E+00	0,000000E+00	4,705619E+18	5,190033E+20
683	2,263990E+21	4,772006E+21	6,512439E+21	6,512372E+21	4,771785E+21	2,263790E+21	5,189143E+20	4,701986E+18	0,000000E+00	0,000000E+00	4,702997E+18	5,190516E+20
684	2,263994E+21	4,771879E+21	6,512139E+21	6,512200E+21	4,772006E+21	2,264066E+21	5,190658E+20	4,702737E+18	0,000000E+00	0,000000E+00	4,702386E+18	5,189285E+20
685	2,263798E+21	4,771755E+21	6,512346E+21	6,512419E+21	4,771987E+21	2,263963E+21	5,189934E+20	4,705403E+18	0,000000E+00	0,000000E+00	4,706314E+18	5,190697E+20
686	2,264091E+21	4,772053E+21	6,512324E+21	6,512102E+21	4,771617E+21	2,263794E+21	5,189516E+20	4,701981E+18	0,000000E+00	0,000000E+00	4,703243E+18	5,190171E+20
687	2,263860E+21	4,771574E+21	6,511875E+21	6,512012E+21	4,771817E+21	2,264029E+21	5,191194E+20	4,708714E+18	0,000000E+00	0,000000E+00	4,707180E+18	5,189560E+20
688	2,263756E+21	4,771576E+21	6,511993E+21	6,511979E+21	4,771569E+21	2,263773E+21	5,189899E+20	4,709255E+18	0,000000E+00	0,000000E+00	4,710453E+18	5,191227E+20
689	2,263938E+21	4,771547E+21	6,511636E+21	6,511446E+21	4,771262E+21	2,263778E+21	5,190642E+20	4,709996E+18	0,000000E+00	0,000000E+00	4,710496E+18	5,190309E+20
690	2,263637E+21	4,770958E+21	6,511211E+21	6,511405E+21	4,771357E+21	2,263896E+21	5,191534E+20	4,716072E+18	0,000000E+00	0,000000E+00	4,715415E+18	5,190757E+20
691	2,263761E+21	4,771172E+21	6,511251E+21	6,511173E+21	4,770932E+21	2,263566E+21	5,190119E+20	4,713788E+18	0,000000E+00	0,000000E+00	4,717195E+18	5,191868E+20
692	2,263823E+21	4,771018E+21	6,510824E+21	6,510727E+21	4,770880E+21	2,263760E+21	5,191665E+20	4,717252E+18	0,000000E+00	0,000000E+00	4,716498E+18	5,190495E+20
693	2,263512E+21	4,770666E+21	6,510875E+21	6,510981E+21	4,770946E+21	2,263721E+21	5,191410E+20	4,719351E+18	0,000000E+00	0,000000E+00	4,719352E+18	5,191483E+20
694	2,263757E+21	4,770979E+21	6,510939E+21	6,510775E+21	4,770612E+21	2,263495E+21	5,190495E+20	4,716872E+18	0,000000E+00	0,000000E+00	4,718258E+18	5,191516E+20
695	2,263633E+21	4,770628E+21	6,510533E+21	6,510692E+21	4,770922E+21	2,263803E+21	5,192061E+20	4,719079E+18	0,000000E+00	0,000000E+00	4,716434E+18	5,190409E+20
696	2,263531E+21	4,770750E+21	6,510919E+21	6,510984E+21	4,770941E+21	2,263660E+21	5,190807E+20	4,717858E+18	0,000000E+00	0,000000E+00	4,718984E+18	5,191869E+20
697	2,263863E+21	4,771138E+21	6,511042E+21	6,510848E+21	4,770796E+21	2,263636E+21	5,190749E+20	4,714280E+18	0,000000E+00	0,000000E+00	4,713352E+18	5,190812E+20
698	2,263665E+21	4,770891E+21	6,511011E+21	6,511197E+21	4,771233E+21	2,263867E+21	5,191641E+20	4,714897E+18	0,000000E+00	0,000000E+00	4,713033E+18	5,190273E+20
699	2,263735E+21	4,771312E+21	6,511544E+21	6,511489E+21	4,771182E+21	2,263641E+21	5,189928E+20	4,712025E+18	0,000000E+00	0,000000E+00	4,713140E+18	5,191404E+20
700	2,263896E+21	4,771431E+21	6,511515E+21	6,511398E+21	4,771297E+21	2,263827E+21	5,190789E+20	4,708849E+18	0,000000E+00	0,000000E+00	4,707644E+18	5,189896E+20
701	2,263639E+21	4,771156E+21	6,511619E+21	6,511829E+21	4,771614E+21	2,263929E+21	5,190956E+20	4,711444E+18	0,000000E+00	0,000000E+00	4,711077E+18	5,190501E+20
702	2,263891E+21	4,771592E+21	6,511844E+21	6,511776E+21	4,771362E+21	2,263684E+21	5,189566E+20	4,707171E+18	0,000000E+00	0,000000E+00	4,708437E+18	5,190971E+20
703	2,263880E+21	4,771424E+21	6,511487E+21	6,511545E+21	4,771534E+21	2,263945E+21	5,191152E+20	4,708713E+18	0,000000E+00	0,000000E+00	4,707920E+18	5,189698E+20
704	2,263688E+21	4,771335E+21	6,511706E+21	6,511740E+21	4,771522E+21	2,263860E+21	5,190531E+20	4,712061E+18	0,000000E+00	0,000000E+00	4,712112E+18	5,191042E+20
705	2,263931E+21	4,771566E+21	6,511700E+21	6,511460E+21	4,771127E+21	2,263669E+21	5,190141E+20	4,709157E+18	0,000000E+00	0,000000E+00	4,709825E+18	5,190705E+20
706	2,263729E+21	4,771050E+21	6,511163E+21	6,511328E+21	4,771304E+21	2,263872E+21	5,191636E+20	4,715359E+18	0,000000E+00	0,000000E+00	4,714325E+18	5,190192E+20
707	2,263630E+21	4,771045E+21	6,511243E+21	6,511256E+21	4,771056E+21	2,263630E+21	5,190326E+20	4,715334E+18	0,000000E+00	0,000000E+00	4,717915E+18	5,191930E+20
708	2,263828E+21	4,771042E+21	6,510901E+21	6,510704E+21	4,770718E+21	2,263634E+21	5,191103E+20	4,716186E+18	0,000000E+00	0,000000E+00	4,717914E+18	5,191030E+20

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	2,263546E+21	4,770510E+21	6,510551E+21	6,510708E+21	4,770834E+21	2,263757E+21	5,192034E+20	4,722234E+18	0,000000E+00	0,000000E+00	4,721513E+18	5,191195E+20
710	2,263629E+21	4,770730E+21	6,510646E+21	6,510527E+21	4,770436E+21	2,263436E+21	5,190646E+20	4,720181E+18	0,000000E+00	0,000000E+00	4,722928E+18	5,192185E+20
711	2,263643E+21	4,770474E+21	6,510150E+21	6,510095E+21	4,770406E+21	2,263630E+21	5,192209E+20	4,723881E+18	0,000000E+00	0,000000E+00	4,722011E+18	5,190847E+20
712	2,263356E+21	4,770144E+21	6,510156E+21	6,510316E+21	4,770526E+21	2,263631E+21	5,191996E+20	4,725949E+18	0,000000E+00	0,000000E+00	4,725197E+18	5,191873E+20
713	2,263604E+21	4,770471E+21	6,510266E+21	6,510130E+21	4,770172E+21	2,263400E+21	5,191070E+20	4,723171E+18	0,000000E+00	0,000000E+00	4,724166E+18	5,192091E+20
714	2,263555E+21	4,770208E+21	6,509894E+21	6,510052E+21	4,770451E+21	2,263664E+21	5,192407E+20	4,724215E+18	0,000000E+00	0,000000E+00	4,722015E+18	5,190914E+20
715	2,263456E+21	4,770397E+21	6,510373E+21	6,510399E+21	4,770503E+21	2,263534E+21	5,191137E+20	4,722610E+18	0,000000E+00	0,000000E+00	4,724398E+18	5,192291E+20
716	2,263763E+21	4,770780E+21	6,510556E+21	6,510327E+21	4,770374E+21	2,263516E+21	5,191103E+20	4,719049E+18	0,000000E+00	0,000000E+00	4,718526E+18	5,191221E+20
717	2,263552E+21	4,770517E+21	6,510547E+21	6,510744E+21	4,770864E+21	2,263758E+21	5,192019E+20	4,719894E+18	0,000000E+00	0,000000E+00	4,717892E+18	5,190586E+20
718	2,263600E+21	4,770894E+21	6,511015E+21	6,511006E+21	4,770836E+21	2,263549E+21	5,190316E+20	4,717117E+18	0,000000E+00	0,000000E+00	4,718242E+18	5,191778E+20
719	2,263756E+21	4,770934E+21	6,510850E+21	6,510802E+21	4,770896E+21	2,263730E+21	5,191246E+20	4,714220E+18	0,000000E+00	0,000000E+00	4,713098E+18	5,190399E+20
720	2,263553E+21	4,770737E+21	6,510932E+21	6,511154E+21	4,771191E+21	2,263845E+21	5,191506E+20	4,717414E+18	0,000000E+00	0,000000E+00	4,716774E+18	5,190941E+20
721	2,263778E+21	4,771176E+21	6,511233E+21	6,511120E+21	4,770881E+21	2,263571E+21	5,190143E+20	4,713401E+18	0,000000E+00	0,000000E+00	4,714285E+18	5,191479E+20
722	2,263784E+21	4,771004E+21	6,510873E+21	6,510889E+21	4,771008E+21	2,263780E+21	5,191547E+20	4,714770E+18	0,000000E+00	0,000000E+00	4,714096E+18	5,190149E+20
723	2,263556E+21	4,770879E+21	6,511091E+21	6,511118E+21	4,771027E+21	2,263705E+21	5,190929E+20	4,717965E+18	0,000000E+00	0,000000E+00	4,718713E+18	5,191560E+20
724	2,263784E+21	4,771050E+21	6,511019E+21	6,510807E+21	4,770640E+21	2,263530E+21	5,190576E+20	4,715299E+18	0,000000E+00	0,000000E+00	4,717031E+18	5,191365E+20
725	2,263609E+21	4,770555E+21	6,510484E+21	6,510667E+21	4,770826E+21	2,263748E+21	5,192121E+20	4,721522E+18	0,000000E+00	0,000000E+00	4,720891E+18	5,190766E+20
726	2,263516E+21	4,770578E+21	6,510571E+21	6,510582E+21	4,770572E+21	2,263508E+21	5,190844E+20	4,721527E+18	0,000000E+00	0,000000E+00	4,724172E+18	5,192384E+20
727	2,263682E+21	4,770518E+21	6,510167E+21	6,509988E+21	4,770211E+21	2,263512E+21	5,191712E+20	4,723036E+18	0,000000E+00	0,000000E+00	4,723949E+18	5,191453E+20
728	2,263408E+21	4,770025E+21	6,509835E+21	6,509993E+21	4,770356E+21	2,263655E+21	5,192715E+20	4,729391E+18	0,000000E+00	0,000000E+00	4,727402E+18	5,191516E+20
729	2,263442E+21	4,770185E+21	6,509969E+21	6,509868E+21	4,769947E+21	2,263315E+21	5,191309E+20	4,727523E+18	0,000000E+00	0,000000E+00	4,729315E+18	5,192694E+20
730	2,263504E+21	4,769933E+21	6,509413E+21	6,509400E+21	4,769897E+21	2,263475E+21	5,192618E+20	4,730156E+18	0,000000E+00	0,000000E+00	4,728505E+18	5,191436E+20
731	2,263246E+21	4,769672E+21	6,509465E+21	6,509624E+21	4,770028E+21	2,263489E+21	5,192376E+20	4,731370E+18	0,000000E+00	0,000000E+00	4,731794E+18	5,192507E+20
732	2,263520E+21	4,770059E+21	6,509642E+21	6,509483E+21	4,769693E+21	2,263265E+21	5,191433E+20	4,728369E+18	0,000000E+00	0,000000E+00	4,730288E+18	5,192689E+20
733	2,263486E+21	4,769882E+21	6,509404E+21	6,509510E+21	4,770025E+21	2,263539E+21	5,192758E+20	4,729068E+18	0,000000E+00	0,000000E+00	4,726958E+18	5,191273E+20
734	2,263350E+21	4,770057E+21	6,509926E+21	6,509928E+21	4,770126E+21	2,263428E+21	5,191538E+20	4,727665E+18	0,000000E+00	0,000000E+00	4,728989E+18	5,192504E+20
735	2,263600E+21	4,770316E+21	6,510004E+21	6,509850E+21	4,770026E+21	2,263421E+21	5,191548E+20	4,724312E+18	0,000000E+00	0,000000E+00	4,723165E+18	5,191530E+20
736	2,263418E+21	4,770069E+21	6,509912E+21	6,510181E+21	4,770532E+21	2,263695E+21	5,192547E+20	4,725526E+18	0,000000E+00	0,000000E+00	4,723073E+18	5,190944E+20
737	2,263456E+21	4,770422E+21	6,510389E+21	6,510415E+21	4,770441E+21	2,263467E+21	5,190862E+20	4,722787E+18	0,000000E+00	0,000000E+00	4,723739E+18	5,192320E+20
738	2,263680E+21	4,770522E+21	6,510203E+21	6,510148E+21	4,770422E+21	2,263589E+21	5,191588E+20	4,719311E+18	0,000000E+00	0,000000E+00	4,718768E+18	5,190929E+20
739	2,263479E+21	4,770379E+21	6,510349E+21	6,510501E+21	4,770697E+21	2,263704E+21	5,191884E+20	4,722620E+18	0,000000E+00	0,000000E+00	4,722665E+18	5,191431E+20
740	2,263673E+21	4,770786E+21	6,510682E+21	6,510520E+21	4,770397E+21	2,263428E+21	5,190558E+20	4,718970E+18	0,000000E+00	0,000000E+00	4,720405E+18	5,192002E+20
741	2,263667E+21	4,770594E+21	6,510337E+21	6,510337E+21	4,770556E+21	2,263634E+21	5,191944E+20	4,720745E+18	0,000000E+00	0,000000E+00	4,720191E+18	5,190619E+20
742	2,263417E+21	4,770400E+21	6,510465E+21	6,510526E+21	4,770596E+21	2,263586E+21	5,191398E+20	4,724074E+18	0,000000E+00	0,000000E+00	4,724932E+18	5,192025E+20
743	2,263628E+21	4,770494E+21	6,510271E+21	6,510127E+21	4,770174E+21	2,263416E+21	5,191142E+20	4,721913E+18	0,000000E+00	0,000000E+00	4,723644E+18	5,191919E+20
744	2,263493E+21	4,770066E+21	6,509713E+21	6,509907E+21	4,770344E+21	2,263652E+21	5,192815E+20	4,728785E+18	0,000000E+00	0,000000E+00	4,727271E+18	5,191196E+20

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	2,263352E+21	4,770055E+21	6,509866E+21	6,509859E+21	4,770056E+21	2,263396E+21	5,191579E+20	4,729006E+18	0,000000E+00	0,000000E+00	4,730614E+18	5,192850E+20
746	2,263535E+21	4,769982E+21	6,509433E+21	6,509254E+21	4,769654E+21	2,263346E+21	5,192233E+20	4,730121E+18	0,000000E+00	0,000000E+00	4,730595E+18	5,191928E+20
747	2,263248E+21	4,769487E+21	6,509107E+21	6,509274E+21	4,769820E+21	2,263495E+21	5,193176E+20	4,735738E+18	0,000000E+00	0,000000E+00	4,734344E+18	5,192097E+20
748	2,263293E+21	4,769638E+21	6,509233E+21	6,509159E+21	4,769434E+21	2,263169E+21	5,191729E+20	4,733578E+18	0,000000E+00	0,000000E+00	4,736465E+18	5,193395E+20
749	2,263406E+21	4,769486E+21	6,508774E+21	6,508742E+21	4,769409E+21	2,263330E+21	5,192956E+20	4,735494E+18	0,000000E+00	0,000000E+00	4,734613E+18	5,192032E+20
750	2,263169E+21	4,769298E+21	6,508901E+21	6,509029E+21	4,769586E+21	2,263363E+21	5,192748E+20	4,736449E+18	0,000000E+00	0,000000E+00	4,737143E+18	5,192906E+20
751	2,263410E+21	4,769656E+21	6,509073E+21	6,508916E+21	4,769288E+21	2,263162E+21	5,191906E+20	4,733877E+18	0,000000E+00	0,000000E+00	4,735118E+18	5,193019E+20
752	2,263375E+21	4,769511E+21	6,508866E+21	6,508977E+21	4,769670E+21	2,263463E+21	5,193325E+20	4,734911E+18	0,000000E+00	0,000000E+00	4,731605E+18	5,191502E+20
753	2,263185E+21	4,769600E+21	6,509390E+21	6,509438E+21	4,769777E+21	2,263347E+21	5,192113E+20	4,733681E+18	0,000000E+00	0,000000E+00	4,734163E+18	5,192905E+20
754	2,263475E+21	4,769836E+21	6,509356E+21	6,509260E+21	4,769622E+21	2,263302E+21	5,191906E+20	4,729456E+18	0,000000E+00	0,000000E+00	4,728718E+18	5,192053E+20
755	2,263328E+21	4,769660E+21	6,509286E+21	6,509531E+21	4,770077E+21	2,263572E+21	5,192895E+20	4,730271E+18	0,000000E+00	0,000000E+00	4,729130E+18	5,191543E+20
756	2,263382E+21	4,770040E+21	6,509793E+21	6,509773E+21	4,769967E+21	2,263335E+21	5,191227E+20	4,727745E+18	0,000000E+00	0,000000E+00	4,729506E+18	5,192864E+20
757	2,263604E+21	4,770201E+21	6,509722E+21	6,509579E+21	4,769967E+21	2,263447E+21	5,191923E+20	4,724429E+18	0,000000E+00	0,000000E+00	4,723953E+18	5,191315E+20
758	2,263369E+21	4,770015E+21	6,509878E+21	6,509989E+21	4,770274E+21	2,263569E+21	5,192286E+20	4,728229E+18	0,000000E+00	0,000000E+00	4,727774E+18	5,191700E+20
759	2,263502E+21	4,770277E+21	6,510058E+21	6,509964E+21	4,770002E+21	2,263320E+21	5,191076E+20	4,725137E+18	0,000000E+00	0,000000E+00	4,725994E+18	5,192399E+20
760	2,263522E+21	4,770088E+21	6,509632E+21	6,509700E+21	4,770168E+21	2,263556E+21	5,192574E+20	4,727554E+18	0,000000E+00	0,000000E+00	4,726316E+18	5,191066E+20
761	2,263256E+21	4,769856E+21	6,509755E+21	6,509855E+21	4,770144E+21	2,263492E+21	5,192082E+20	4,730978E+18	0,000000E+00	0,000000E+00	4,731406E+18	5,192588E+20
762	2,263510E+21	4,769973E+21	6,509504E+21	6,509367E+21	4,769643E+21	2,263269E+21	5,191652E+20	4,728526E+18	0,000000E+00	0,000000E+00	4,730508E+18	5,192485E+20
763	2,263373E+21	4,769597E+21	6,509006E+21	6,509128E+21	4,769773E+21	2,263501E+21	5,193335E+20	4,735292E+18	0,000000E+00	0,000000E+00	4,734250E+18	5,191765E+20
764	2,263208E+21	4,769535E+21	6,509164E+21	6,509134E+21	4,769499E+21	2,263233E+21	5,192079E+20	4,735619E+18	0,000000E+00	0,000000E+00	4,737719E+18	5,193434E+20
765	2,263395E+21	4,769483E+21	6,508771E+21	6,508580E+21	4,769137E+21	2,263179E+21	5,192624E+20	4,736505E+18	0,000000E+00	0,000000E+00	4,737413E+18	5,192540E+20
766	2,263126E+21	4,768992E+21	6,508425E+21	6,508600E+21	4,769327E+21	2,263347E+21	5,193569E+20	4,741611E+18	0,000000E+00	0,000000E+00	4,740711E+18	5,192655E+20
767	2,263172E+21	4,769132E+21	6,508515E+21	6,508467E+21	4,768962E+21	2,263049E+21	5,192229E+20	4,739670E+18	0,000000E+00	0,000000E+00	4,742645E+18	5,193956E+20
768	2,263325E+21	4,769090E+21	6,508137E+21	6,508087E+21	4,768979E+21	2,263235E+21	5,193525E+20	4,741755E+18	0,000000E+00	0,000000E+00	4,739995E+18	5,192392E+20
769	2,263036E+21	4,768883E+21	6,508367E+21	6,508470E+21	4,769172E+21	2,263271E+21	5,193373E+20	4,742767E+18	0,000000E+00	0,000000E+00	4,742313E+18	5,193233E+20
770	2,263277E+21	4,769208E+21	6,508494E+21	6,508356E+21	4,768873E+21	2,263038E+21	5,192343E+20	4,739729E+18	0,000000E+00	0,000000E+00	4,740343E+18	5,193344E+20
771	2,263231E+21	4,769061E+21	6,508279E+21	6,508395E+21	4,769259E+21	2,263351E+21	5,193730E+20	4,740055E+18	0,000000E+00	0,000000E+00	4,737264E+18	5,191965E+20
772	2,263051E+21	4,769115E+21	6,508758E+21	6,508845E+21	4,769370E+21	2,263240E+21	5,192496E+20	4,738706E+18	0,000000E+00	0,000000E+00	4,739947E+18	5,193443E+20
773	2,263385E+21	4,769450E+21	6,508801E+21	6,508677E+21	4,769196E+21	2,263174E+21	5,192192E+20	4,733978E+18	0,000000E+00	0,000000E+00	4,733924E+18	5,192569E+20
774	2,263260E+21	4,769321E+21	6,508767E+21	6,508959E+21	4,769651E+21	2,263445E+21	5,193220E+20	4,734951E+18	0,000000E+00	0,000000E+00	4,733966E+18	5,191891E+20
775	2,263276E+21	4,769653E+21	6,509255E+21	6,509211E+21	4,769563E+21	2,263231E+21	5,191696E+20	4,733134E+18	0,000000E+00	0,000000E+00	4,734269E+18	5,193201E+20
776	2,263494E+21	4,769818E+21	6,509187E+21	6,509042E+21	4,769589E+21	2,263352E+21	5,192479E+20	4,730745E+18	0,000000E+00	0,000000E+00	4,729070E+18	5,191597E+20
777	2,263201E+21	4,769526E+21	6,509299E+21	6,509457E+21	4,769895E+21	2,263476E+21	5,192882E+20	4,734859E+18	0,000000E+00	0,000000E+00	4,733674E+18	5,192170E+20
778	2,263366E+21	4,769741E+21	6,509330E+21	6,509290E+21	4,769552E+21	2,263194E+21	5,191537E+20	4,731361E+18	0,000000E+00	0,000000E+00	4,732651E+18	5,192991E+20
779	2,263411E+21	4,769604E+21	6,508910E+21	6,508942E+21	4,769637E+21	2,263421E+21	5,193057E+20	4,733688E+18	0,000000E+00	0,000000E+00	4,733627E+18	5,191766E+20
780	2,263151E+21	4,769365E+21	6,509034E+21	6,509101E+21	4,769598E+21	2,263345E+21	5,192578E+20	4,737226E+18	0,000000E+00	0,000000E+00	4,738429E+18	5,193183E+20

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	2,263394E+21	4,769533E+21	6,508878E+21	6,508659E+21	4,769094E+21	2,263104E+21	5,192081E+20	4,734837E+18	0,000000E+00	0,000000E+00	4,737196E+18	5,193011E+20
782	2,263238E+21	4,769119E+21	6,508376E+21	6,508460E+21	4,769248E+21	2,263339E+21	5,193772E+20	4,741682E+18	0,000000E+00	0,000000E+00	4,740455E+18	5,192182E+20
783	2,263036E+21	4,768960E+21	6,508421E+21	6,508440E+21	4,769020E+21	2,263104E+21	5,192613E+20	4,742246E+18	0,000000E+00	0,000000E+00	4,744148E+18	5,193951E+20
784	2,263262E+21	4,768958E+21	6,508025E+21	6,507878E+21	4,768685E+21	2,263075E+21	5,193222E+20	4,743472E+18	0,000000E+00	0,000000E+00	4,743664E+18	5,193033E+20
785	2,262990E+21	4,768488E+21	6,507751E+21	6,507943E+21	4,768868E+21	2,263239E+21	5,194179E+20	4,748205E+18	0,000000E+00	0,000000E+00	4,746748E+18	5,193186E+20
786	2,263071E+21	4,768668E+21	6,507829E+21	6,507776E+21	4,768485E+21	2,262921E+21	5,192734E+20	4,745987E+18	0,000000E+00	0,000000E+00	4,748644E+18	5,194408E+20
787	2,263215E+21	4,768690E+21	6,507571E+21	6,507444E+21	4,768497E+21	2,263113E+21	5,194017E+20	4,747551E+18	0,000000E+00	0,000000E+00	4,745903E+18	5,192848E+20
788	2,262902E+21	4,768428E+21	6,507797E+21	6,507901E+21	4,768731E+21	2,263145E+21	5,193835E+20	4,748547E+18	0,000000E+00	0,000000E+00	4,748104E+18	5,193631E+20
789	2,263137E+21	4,768766E+21	6,507936E+21	6,507811E+21	4,768472E+21	2,262913E+21	5,192666E+20	4,744935E+18	0,000000E+00	0,000000E+00	4,745908E+18	5,193824E+20
790	2,263121E+21	4,768632E+21	6,507699E+21	6,507818E+21	4,768849E+21	2,263231E+21	5,194023E+20	4,744635E+18	0,000000E+00	0,000000E+00	4,742444E+18	5,192415E+20
791	2,262951E+21	4,768673E+21	6,508118E+21	6,508221E+21	4,768961E+21	2,263142E+21	5,192914E+20	4,743730E+18	0,000000E+00	0,000000E+00	4,744966E+18	5,193888E+20
792	2,263314E+21	4,769098E+21	6,508241E+21	6,508100E+21	4,768812E+21	2,263086E+21	5,192691E+20	4,739517E+18	0,000000E+00	0,000000E+00	4,738506E+18	5,192871E+20
793	2,263143E+21	4,768948E+21	6,508292E+21	6,508456E+21	4,769260E+21	2,263344E+21	5,193755E+20	4,740849E+18	0,000000E+00	0,000000E+00	4,738912E+18	5,192223E+20
794	2,263149E+21	4,769208E+21	6,508680E+21	6,508654E+21	4,769151E+21	2,263108E+21	5,192144E+20	4,739007E+18	0,000000E+00	0,000000E+00	4,739706E+18	5,193576E+20
795	2,263358E+21	4,769363E+21	6,508593E+21	6,508436E+21	4,769149E+21	2,263234E+21	5,192895E+20	4,736340E+18	0,000000E+00	0,000000E+00	4,735585E+18	5,192172E+20
796	2,263075E+21	4,769021E+21	6,508621E+21	6,508802E+21	4,769436E+21	2,263355E+21	5,193307E+20	4,740500E+18	0,000000E+00	0,000000E+00	4,740303E+18	5,192756E+20
797	2,263264E+21	4,769309E+21	6,508693E+21	6,508618E+21	4,769068E+21	2,263053E+21	5,191892E+20	4,736790E+18	0,000000E+00	0,000000E+00	4,739115E+18	5,193584E+20
798	2,263321E+21	4,769187E+21	6,508289E+21	6,508257E+21	4,769127E+21	2,263277E+21	5,193471E+20	4,739512E+18	0,000000E+00	0,000000E+00	4,739677E+18	5,192220E+20
799	2,263019E+21	4,768873E+21	6,508355E+21	6,508409E+21	4,769104E+21	2,263222E+21	5,193157E+20	4,743747E+18	0,000000E+00	0,000000E+00	4,744378E+18	5,193603E+20
800	2,263250E+21	4,769029E+21	6,508202E+21	6,508007E+21	4,768630E+21	2,262986E+21	5,192735E+20	4,742295E+18	0,000000E+00	0,000000E+00	4,743424E+18	5,193416E+20
801	2,263060E+21	4,768549E+21	6,507675E+21	6,507804E+21	4,768778E+21	2,263217E+21	5,194396E+20	4,749026E+18	0,000000E+00	0,000000E+00	4,747091E+18	5,192748E+20
802	2,262898E+21	4,768385E+21	6,507617E+21	6,507668E+21	4,768495E+21	2,262965E+21	5,193150E+20	4,749128E+18	0,000000E+00	0,000000E+00	4,751192E+18	5,194566E+20
803	2,263156E+21	4,768481E+21	6,507308E+21	6,507098E+21	4,768122E+21	2,262934E+21	5,193739E+20	4,750038E+18	0,000000E+00	0,000000E+00	4,750809E+18	5,193672E+20
804	2,262882E+21	4,768024E+21	6,507088E+21	6,507245E+21	4,768352E+21	2,263100E+21	5,194679E+20	4,754482E+18	0,000000E+00	0,000000E+00	4,753164E+18	5,193655E+20
805	2,262949E+21	4,768263E+21	6,507276E+21	6,507166E+21	4,768011E+21	2,262780E+21	5,193148E+20	4,751997E+18	0,000000E+00	0,000000E+00	4,754667E+18	5,194821E+20
806	2,263074E+21	4,768234E+21	6,507008E+21	6,506888E+21	4,768066E+21	2,262981E+21	5,194392E+20	4,752995E+18	0,000000E+00	0,000000E+00	4,751179E+18	5,193197E+20
807	2,262744E+21	4,767898E+21	6,507127E+21	6,507315E+21	4,768351E+21	2,263053E+21	5,194287E+20	4,753913E+18	0,000000E+00	0,000000E+00	4,753460E+18	5,194055E+20
808	2,263020E+21	4,768300E+21	6,507287E+21	6,507222E+21	4,768098E+21	2,262833E+21	5,193161E+20	4,750489E+18	0,000000E+00	0,000000E+00	4,750938E+18	5,194226E+20
809	2,263011E+21	4,768213E+21	6,507124E+21	6,507251E+21	4,768448E+21	2,263135E+21	5,194489E+20	4,749827E+18	0,000000E+00	0,000000E+00	4,747403E+18	5,192865E+20
810	2,262874E+21	4,768294E+21	6,507521E+21	6,507596E+21	4,768525E+21	2,263028E+21	5,193334E+20	4,749067E+18	0,000000E+00	0,000000E+00	4,750015E+18	5,194268E+20
811	2,263225E+21	4,768763E+21	6,507751E+21	6,507522E+21	4,768358E+21	2,262966E+21	5,193104E+20	4,744761E+18	0,000000E+00	0,000000E+00	4,744020E+18	5,193317E+20
812	2,263029E+21	4,768537E+21	6,507768E+21	6,507939E+21	4,768846E+21	2,263216E+21	5,194135E+20	4,746305E+18	0,000000E+00	0,000000E+00	4,744719E+18	5,192662E+20
813	2,263031E+21	4,768798E+21	6,508130E+21	6,508109E+21	4,768748E+21	2,262982E+21	5,192454E+20	4,744163E+18	0,000000E+00	0,000000E+00	4,745722E+18	5,194123E+20
814	2,263257E+21	4,768933E+21	6,507998E+21	6,507835E+21	4,768707E+21	2,263108E+21	5,193221E+20	4,741370E+18	0,000000E+00	0,000000E+00	4,741547E+18	5,192699E+20
815	2,262973E+21	4,768557E+21	6,507940E+21	6,508131E+21	4,768981E+21	2,263250E+21	5,193807E+20	4,746220E+18	0,000000E+00	0,000000E+00	4,746120E+18	5,193218E+20
816	2,263155E+21	4,768872E+21	6,508057E+21	6,507974E+21	4,768621E+21	2,262954E+21	5,192520E+20	4,743506E+18	0,000000E+00	0,000000E+00	4,744751E+18	5,193913E+20

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												
817	2,263162E+21	4,768700E+21	6,507682E+21	6,507644E+21	4,768654E+21	2,263160E+21	5,194120E+20	4,746735E+18	0,000000E+00	0,000000E+00	4,745732E+18	5,192622E+20
818	2,262854E+21	4,768304E+21	6,507595E+21	6,507691E+21	4,768598E+21	2,263087E+21	5,193751E+20	4,750971E+18	0,000000E+00	0,000000E+00	4,750884E+18	5,194059E+20
819	2,263089E+21	4,768472E+21	6,507451E+21	6,507254E+21	4,768094E+21	2,262851E+21	5,193285E+20	4,749264E+18	0,000000E+00	0,000000E+00	4,750923E+18	5,194091E+20
820	2,262927E+21	4,767990E+21	6,506904E+21	6,507052E+21	4,768231E+21	2,263065E+21	5,194869E+20	4,755587E+18	0,000000E+00	0,000000E+00	4,754297E+18	5,193389E+20
821	2,262795E+21	4,767931E+21	6,506929E+21	6,506939E+21	4,767959E+21	2,262811E+21	5,193562E+20	4,755183E+18	0,000000E+00	0,000000E+00	4,758124E+18	5,195178E+20
822	2,263060E+21	4,768063E+21	6,506703E+21	6,506438E+21	4,767611E+21	2,262787E+21	5,194133E+20	4,755877E+18	0,000000E+00	0,000000E+00	4,756871E+18	5,194123E+20
823	2,262752E+21	4,767559E+21	6,506458E+21	6,506617E+21	4,767896E+21	2,262985E+21	5,195203E+20	4,760507E+18	0,000000E+00	0,000000E+00	4,758758E+18	5,194018E+20
824	2,262802E+21	4,767781E+21	6,506663E+21	6,506615E+21	4,767628E+21	2,262689E+21	5,193732E+20	4,758560E+18	0,000000E+00	0,000000E+00	4,760143E+18	5,195151E+20
825	2,262911E+21	4,767720E+21	6,506377E+21	6,506332E+21	4,767677E+21	2,262888E+21	5,194908E+20	4,758906E+18	0,000000E+00	0,000000E+00	4,756714E+18	5,193696E+20
826	2,262631E+21	4,767399E+21	6,506390E+21	6,506624E+21	4,767898E+21	2,262943E+21	5,194740E+20	4,759466E+18	0,000000E+00	0,000000E+00	4,759174E+18	5,194561E+20
827	2,262938E+21	4,767914E+21	6,506678E+21	6,506550E+21	4,767610E+21	2,262713E+21	5,193577E+20	4,755676E+18	0,000000E+00	0,000000E+00	4,756743E+18	5,194769E+20
828	2,262931E+21	4,767854E+21	6,506590E+21	6,506667E+21	4,767987E+21	2,262999E+21	5,194843E+20	4,754874E+18	0,000000E+00	0,000000E+00	4,752731E+18	5,193257E+20
829	2,262783E+21	4,767986E+21	6,507074E+21	6,507082E+21	4,768099E+21	2,262893E+21	5,193655E+20	4,754136E+18	0,000000E+00	0,000000E+00	4,755287E+18	5,194649E+20
830	2,263110E+21	4,768387E+21	6,507278E+21	6,507053E+21	4,767974E+21	2,262840E+21	5,193391E+20	4,749539E+18	0,000000E+00	0,000000E+00	4,749010E+18	5,193671E+20
831	2,262895E+21	4,768076E+21	6,507166E+21	6,507403E+21	4,768488E+21	2,263130E+21	5,194559E+20	4,751459E+18	0,000000E+00	0,000000E+00	4,750011E+18	5,193081E+20
832	2,262914E+21	4,768345E+21	6,507512E+21	6,507556E+21	4,768384E+21	2,262909E+21	5,193003E+20	4,749995E+18	0,000000E+00	0,000000E+00	4,750931E+18	5,194491E+20
833	2,263128E+21	4,768479E+21	6,507384E+21	6,507254E+21	4,768292E+21	2,263015E+21	5,193788E+20	4,747398E+18	0,000000E+00	0,000000E+00	4,747224E+18	5,193162E+20
834	2,262858E+21	4,768087E+21	6,507231E+21	6,507420E+21	4,768491E+21	2,263136E+21	5,194395E+20	4,752795E+18	0,000000E+00	0,000000E+00	4,752073E+18	5,193630E+20
835	2,263016E+21	4,768406E+21	6,507409E+21	6,507267E+21	4,768078E+21	2,262820E+21	5,193115E+20	4,750371E+18	0,000000E+00	0,000000E+00	4,751595E+18	5,194439E+20
836	2,263005E+21	4,768152E+21	6,506970E+21	6,506960E+21	4,768127E+21	2,263001E+21	5,194611E+20	4,753730E+18	0,000000E+00	0,000000E+00	4,752916E+18	5,193195E+20
837	2,262719E+21	4,767798E+21	6,506868E+21	6,506959E+21	4,768058E+21	2,262924E+21	5,194145E+20	4,757323E+18	0,000000E+00	0,000000E+00	4,758324E+18	5,194762E+20
838	2,262982E+21	4,767975E+21	6,506720E+21	6,506509E+21	4,767539E+21	2,262686E+21	5,193653E+20	4,755340E+18	0,000000E+00	0,000000E+00	4,758000E+18	5,194737E+20
839	2,262825E+21	4,767508E+21	6,506175E+21	6,506317E+21	4,767714E+21	2,262932E+21	5,195354E+20	4,761729E+18	0,000000E+00	0,000000E+00	4,760733E+18	5,193926E+20
840	2,262683E+21	4,767484E+21	6,506302E+21	6,506307E+21	4,767496E+21	2,262704E+21	5,194201E+20	4,762085E+18	0,000000E+00	0,000000E+00	4,764041E+18	5,195511E+20
841	2,262895E+21	4,767573E+21	6,506111E+21	6,505878E+21	4,767175E+21	2,262679E+21	5,194750E+20	4,762735E+18	0,000000E+00	0,000000E+00	4,762721E+18	5,194507E+20
842	2,262586E+21	4,767008E+21	6,505725E+21	6,505956E+21	4,767450E+21	2,262875E+21	5,195762E+20	4,766986E+18	0,000000E+00	0,000000E+00	4,764647E+18	5,194420E+20
843	2,262644E+21	4,767262E+21	6,505963E+21	6,505925E+21	4,767154E+21	2,262581E+21	5,194239E+20	4,764579E+18	0,000000E+00	0,000000E+00	4,766556E+18	5,195708E+20
844	2,262790E+21	4,767228E+21	6,505689E+21	6,505673E+21	4,767202E+21	2,262756E+21	5,195295E+20	4,764222E+18	0,000000E+00	0,000000E+00	4,762499E+18	5,194226E+20
845	2,262559E+21	4,767052E+21	6,505807E+21	6,505985E+21	4,767424E+21	2,262803E+21	5,195051E+20	4,764309E+18	0,000000E+00	0,000000E+00	4,764759E+18	5,195067E+20
846	2,262868E+21	4,767600E+21	6,506196E+21	6,506004E+21	4,767174E+21	2,262580E+21	5,193876E+20	4,760315E+18	0,000000E+00	0,000000E+00	4,761507E+18	5,195141E+20
847	2,262831E+21	4,767501E+21	6,506110E+21	6,506180E+21	4,767609E+21	2,262892E+21	5,195232E+20	4,759822E+18	0,000000E+00	0,000000E+00	4,757457E+18	5,193584E+20
848	2,262661E+21	4,767585E+21	6,506584E+21	6,506660E+21	4,767788E+21	2,262815E+21	5,194168E+20	4,759914E+18	0,000000E+00	0,000000E+00	4,760119E+18	5,194941E+20
849	2,262965E+21	4,767936E+21	6,506728E+21	6,506584E+21	4,767644E+21	2,262762E+21	5,193873E+20	4,754989E+18	0,000000E+00	0,000000E+00	4,754340E+18	5,194132E+20
850	2,262784E+21	4,767605E+21	6,506456E+21	6,506735E+21	4,768058E+21	2,263037E+21	5,195077E+20	4,757291E+18	0,000000E+00	0,000000E+00	4,755705E+18	5,193536E+20
851	2,262803E+21	4,767920E+21	6,506871E+21	6,506869E+21	4,767897E+21	2,262802E+21	5,193547E+20	4,755988E+18	0,000000E+00	0,000000E+00	4,757101E+18	5,194980E+20
852	2,263006E+21	4,768029E+21	6,506750E+21	6,506600E+21	4,767786E+21	2,262870E+21	5,194275E+20	4,753688E+18	0,000000E+00	0,000000E+00	4,753519E+18	5,193617E+20

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	2,262733E+21	4,767657E+21	6,506601E+21	6,506748E+21	4,767967E+21	2,262977E+21	5,194828E+20	4,759084E+18	0,000000E+00	0,000000E+00	4,758691E+18	5,194159E+20
854	2,262875E+21	4,767911E+21	6,506746E+21	6,506614E+21	4,767577E+21	2,262661E+21	5,193478E+20	4,756267E+18	0,000000E+00	0,000000E+00	4,758259E+18	5,195009E+20
855	2,262871E+21	4,767622E+21	6,506227E+21	6,506250E+21	4,767629E+21	2,262864E+21	5,195030E+20	4,759773E+18	0,000000E+00	0,000000E+00	4,759652E+18	5,193803E+20
856	2,262605E+21	4,767302E+21	6,506168E+21	6,506290E+21	4,767582E+21	2,262806E+21	5,194714E+20	4,763872E+18	0,000000E+00	0,000000E+00	4,764596E+18	5,195245E+20
857	2,262856E+21	4,767503E+21	6,506065E+21	6,505869E+21	4,767071E+21	2,262570E+21	5,194239E+20	4,762084E+18	0,000000E+00	0,000000E+00	4,764395E+18	5,195228E+20
858	2,262695E+21	4,767018E+21	6,505454E+21	6,505588E+21	4,767206E+21	2,262816E+21	5,195996E+20	4,768780E+18	0,000000E+00	0,000000E+00	4,766858E+18	5,194329E+20
859	2,262522E+21	4,766988E+21	6,505653E+21	6,505630E+21	4,766989E+21	2,262586E+21	5,194861E+20	4,769226E+18	0,000000E+00	0,000000E+00	4,770753E+18	5,195968E+20
860	2,262722E+21	4,767007E+21	6,505398E+21	6,505232E+21	4,766702E+21	2,262544E+21	5,195269E+20	4,769475E+18	0,000000E+00	0,000000E+00	4,769362E+18	5,195041E+20
861	2,262458E+21	4,766524E+21	6,505003E+21	6,505240E+21	4,766951E+21	2,262733E+21	5,196144E+20	4,772655E+18	0,000000E+00	0,000000E+00	4,771284E+18	5,195062E+20
862	2,262550E+21	4,766819E+21	6,505297E+21	6,505239E+21	4,766653E+21	2,262433E+21	5,194549E+20	4,769666E+18	0,000000E+00	0,000000E+00	4,772447E+18	5,196258E+20
863	2,262709E+21	4,766839E+21	6,505086E+21	6,505039E+21	4,766745E+21	2,262628E+21	5,195644E+20	4,769141E+18	0,000000E+00	0,000000E+00	4,767622E+18	5,194658E+20
864	2,262470E+21	4,766708E+21	6,505337E+21	6,505493E+21	4,767037E+21	2,262701E+21	5,195561E+20	4,770028E+18	0,000000E+00	0,000000E+00	4,769410E+18	5,195315E+20
865	2,262733E+21	4,767210E+21	6,505737E+21	6,505585E+21	4,766844E+21	2,262491E+21	5,194376E+20	4,765983E+18	0,000000E+00	0,000000E+00	4,766189E+18	5,195443E+20
866	2,262689E+21	4,767042E+21	6,505505E+21	6,505641E+21	4,767257E+21	2,262807E+21	5,195718E+20	4,765443E+18	0,000000E+00	0,000000E+00	4,762589E+18	5,193958E+20
867	2,262527E+21	4,767136E+21	6,505980E+21	6,506061E+21	4,767384E+21	2,262731E+21	5,194677E+20	4,765494E+18	0,000000E+00	0,000000E+00	4,765956E+18	5,195414E+20
868	2,262843E+21	4,767468E+21	6,506081E+21	6,505974E+21	4,767214E+21	2,262645E+21	5,194287E+20	4,760248E+18	0,000000E+00	0,000000E+00	4,760106E+18	5,194635E+20
869	2,262704E+21	4,767248E+21	6,505844E+21	6,506063E+21	4,767574E+21	2,262897E+21	5,195426E+20	4,762486E+18	0,000000E+00	0,000000E+00	4,761800E+18	5,194075E+20
870	2,262707E+21	4,767532E+21	6,506298E+21	6,506235E+21	4,767404E+21	2,262651E+21	5,193899E+20	4,761258E+18	0,000000E+00	0,000000E+00	4,762796E+18	5,195424E+20
871	2,262882E+21	4,767586E+21	6,506143E+21	6,505991E+21	4,767323E+21	2,262730E+21	5,194692E+20	4,759524E+18	0,000000E+00	0,000000E+00	4,759539E+18	5,194104E+20
872	2,262599E+21	4,767173E+21	6,505982E+21	6,506173E+21	4,767536E+21	2,262855E+21	5,195371E+20	4,765741E+18	0,000000E+00	0,000000E+00	4,764791E+18	5,194625E+20
873	2,262731E+21	4,767393E+21	6,506066E+21	6,505983E+21	4,767133E+21	2,262548E+21	5,194024E+20	4,762756E+18	0,000000E+00	0,000000E+00	4,764848E+18	5,195590E+20
874	2,262750E+21	4,767105E+21	6,505448E+21	6,505475E+21	4,767105E+21	2,262740E+21	5,195608E+20	4,766669E+18	0,000000E+00	0,000000E+00	4,766286E+18	5,194341E+20
875	2,262482E+21	4,766834E+21	6,505477E+21	6,505535E+21	4,767040E+21	2,262683E+21	5,195364E+20	4,770939E+18	0,000000E+00	0,000000E+00	4,771451E+18	5,195726E+20
876	2,262702E+21	4,766987E+21	6,505384E+21	6,505192E+21	4,766559E+21	2,262430E+21	5,194843E+20	4,769396E+18	0,000000E+00	0,000000E+00	4,771221E+18	5,195676E+20
877	2,262544E+21	4,766530E+21	6,504769E+21	6,504890E+21	4,766690E+21	2,262666E+21	5,196498E+20	4,775527E+18	0,000000E+00	0,000000E+00	4,773704E+18	5,194871E+20
878	2,262362E+21	4,766438E+21	6,504943E+21	6,504957E+21	4,766501E+21	2,262440E+21	5,195277E+20	4,775264E+18	0,000000E+00	0,000000E+00	4,777300E+18	5,196510E+20
879	2,262584E+21	4,766471E+21	6,504655E+21	6,504531E+21	4,766226E+21	2,262415E+21	5,195673E+20	4,775089E+18	0,000000E+00	0,000000E+00	4,775562E+18	5,195634E+20
880	2,262359E+21	4,766068E+21	6,504360E+21	6,504610E+21	4,766499E+21	2,262615E+21	5,196629E+20	4,778335E+18	0,000000E+00	0,000000E+00	4,776690E+18	5,195506E+20
881	2,262453E+21	4,766427E+21	6,504739E+21	6,504669E+21	4,766243E+21	2,262329E+21	5,195024E+20	4,775255E+18	0,000000E+00	0,000000E+00	4,777610E+18	5,196664E+20
882	2,262607E+21	4,766453E+21	6,504516E+21	6,504430E+21	4,766313E+21	2,262522E+21	5,196149E+20	4,774968E+18	0,000000E+00	0,000000E+00	4,772476E+18	5,194978E+20
883	2,262344E+21	4,766319E+21	6,504839E+21	6,504962E+21	4,766639E+21	2,262603E+21	5,196096E+20	4,776030E+18	0,000000E+00	0,000000E+00	4,774900E+18	5,195678E+20
884	2,262590E+21	4,766743E+21	6,505162E+21	6,505082E+21	4,766486E+21	2,262384E+21	5,194795E+20	4,771592E+18	0,000000E+00	0,000000E+00	4,771743E+18	5,195898E+20
885	2,262589E+21	4,766640E+21	6,504887E+21	6,505015E+21	4,766829E+21	2,262685E+21	5,196038E+20	4,770295E+18	0,000000E+00	0,000000E+00	4,768584E+18	5,194552E+20
886	2,262445E+21	4,766736E+21	6,505386E+21	6,505442E+21	4,766935E+21	2,262599E+21	5,194967E+20	4,770017E+18	0,000000E+00	0,000000E+00	4,771416E+18	5,195890E+20
887	2,262754E+21	4,767089E+21	6,505507E+21	6,505359E+21	4,766770E+21	2,262519E+21	5,194636E+20	4,765070E+18	0,000000E+00	0,000000E+00	4,765396E+18	5,195063E+20
888	2,262598E+21	4,766865E+21	6,505341E+21	6,505525E+21	4,767151E+21	2,262782E+21	5,195943E+20	4,768507E+18	0,000000E+00	0,000000E+00	4,766982E+18	5,194381E+20

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												
889	2,262560E+21	4,767077E+21	6,505742E+21	6,505711E+21	4,767016E+21	2,262545E+21	5,194428E+20	4,767440E+18	0,000000E+00	0,000000E+00	4,768332E+18	5,195804E+20
890	2,262724E+21	4,767051E+21	6,505425E+21	6,505316E+21	4,766875E+21	2,262619E+21	5,195235E+20	4,766211E+18	0,000000E+00	0,000000E+00	4,765712E+18	5,194589E+20
891	2,262457E+21	4,766658E+21	6,505277E+21	6,505455E+21	4,767041E+21	2,262739E+21	5,195960E+20	4,772539E+18	0,000000E+00	0,000000E+00	4,771554E+18	5,195176E+20
892	2,262595E+21	4,766860E+21	6,505329E+21	6,505275E+21	4,766634E+21	2,262413E+21	5,194574E+20	4,769498E+18	0,000000E+00	0,000000E+00	4,771723E+18	5,196155E+20
893	2,262648E+21	4,766669E+21	6,504755E+21	6,504713E+21	4,766555E+21	2,262588E+21	5,196099E+20	4,773307E+18	0,000000E+00	0,000000E+00	4,773402E+18	5,194957E+20
894	2,262357E+21	4,766359E+21	6,504826E+21	6,504840E+21	4,766503E+21	2,262526E+21	5,195848E+20	4,777343E+18	0,000000E+00	0,000000E+00	4,778112E+18	5,196213E+20
895	2,262546E+21	4,766458E+21	6,504692E+21	6,504523E+21	4,766072E+21	2,262288E+21	5,195332E+20	4,776013E+18	0,000000E+00	0,000000E+00	4,778144E+18	5,196237E+20
896	2,262395E+21	4,765987E+21	6,504081E+21	6,504244E+21	4,766231E+21	2,262543E+21	5,197037E+20	4,782214E+18	0,000000E+00	0,000000E+00	4,780141E+18	5,195416E+20
897	2,262229E+21	4,765902E+21	6,504213E+21	6,504274E+21	4,766043E+21	2,262326E+21	5,195788E+20	4,781473E+18	0,000000E+00	0,000000E+00	4,783608E+18	5,197061E+20
898	2,262474E+21	4,765979E+21	6,503907E+21	6,503771E+21	4,765716E+21	2,262291E+21	5,196186E+20	4,781348E+18	0,000000E+00	0,000000E+00	4,781378E+18	5,196132E+20
899	2,262262E+21	4,765674E+21	6,503771E+21	6,503932E+21	4,765999E+21	2,262490E+21	5,197169E+20	4,784545E+18	0,000000E+00	0,000000E+00	4,782410E+18	5,195898E+20
900	2,262324E+21	4,765996E+21	6,504183E+21	6,504108E+21	4,765815E+21	2,262209E+21	5,195538E+20	4,781511E+18	0,000000E+00	0,000000E+00	4,783098E+18	5,197022E+20
901	2,262490E+21	4,766067E+21	6,503983E+21	6,503876E+21	4,765896E+21	2,262393E+21	5,196495E+20	4,780280E+18	0,000000E+00	0,000000E+00	4,778169E+18	5,195454E+20
902	2,262225E+21	4,765888E+21	6,504281E+21	6,504422E+21	4,766247E+21	2,262482E+21	5,196386E+20	4,780668E+18	0,000000E+00	0,000000E+00	4,780283E+18	5,196111E+20
903	2,262480E+21	4,766310E+21	6,504564E+21	6,504516E+21	4,766110E+21	2,262282E+21	5,195097E+20	4,776002E+18	0,000000E+00	0,000000E+00	4,776908E+18	5,196367E+20
904	2,262500E+21	4,766257E+21	6,504365E+21	6,504485E+21	4,766447E+21	2,262586E+21	5,196453E+20	4,775197E+18	0,000000E+00	0,000000E+00	4,773366E+18	5,194925E+20
905	2,262347E+21	4,766355E+21	6,504859E+21	6,504910E+21	4,766563E+21	2,262509E+21	5,195435E+20	4,775277E+18	0,000000E+00	0,000000E+00	4,776131E+18	5,196191E+20
906	2,262625E+21	4,766662E+21	6,504923E+21	6,504749E+21	4,766339E+21	2,262417E+21	5,195185E+20	4,771163E+18	0,000000E+00	0,000000E+00	4,770482E+18	5,195409E+20
907	2,262459E+21	4,766418E+21	6,504769E+21	6,504925E+21	4,766709E+21	2,262668E+21	5,196509E+20	4,775187E+18	0,000000E+00	0,000000E+00	4,773119E+18	5,194816E+20
908	2,262408E+21	4,766546E+21	6,505060E+21	6,505085E+21	4,766584E+21	2,262427E+21	5,194952E+20	4,773959E+18	0,000000E+00	0,000000E+00	4,774884E+18	5,196379E+20
909	2,262626E+21	4,766590E+21	6,504711E+21	6,504567E+21	4,766348E+21	2,262468E+21	5,195627E+20	4,772324E+18	0,000000E+00	0,000000E+00	4,772967E+18	5,195301E+20
910	2,262368E+21	4,766205E+21	6,504598E+21	6,504729E+21	4,766500E+21	2,262576E+21	5,196332E+20	4,778297E+18	0,000000E+00	0,000000E+00	4,778253E+18	5,195744E+20
911	2,262486E+21	4,766407E+21	6,504668E+21	6,504576E+21	4,766126E+21	2,262269E+21	5,195029E+20	4,775694E+18	0,000000E+00	0,000000E+00	4,778476E+18	5,196676E+20
912	2,262511E+21	4,766188E+21	6,504159E+21	6,504096E+21	4,766072E+21	2,262458E+21	5,196697E+20	4,780398E+18	0,000000E+00	0,000000E+00	4,779796E+18	5,195402E+20
913	2,262193E+21	4,765810E+21	6,504150E+21	6,504225E+21	4,766068E+21	2,262413E+21	5,196433E+20	4,784152E+18	0,000000E+00	0,000000E+00	4,784489E+18	5,196652E+20
914	2,262371E+21	4,765860E+21	6,503888E+21	6,503757E+21	4,765573E+21	2,262176E+21	5,195940E+20	4,783106E+18	0,000000E+00	0,000000E+00	4,784747E+18	5,196777E+20
915	2,262255E+21	4,765450E+21	6,503328E+21	6,503467E+21	4,765701E+21	2,262420E+21	5,197618E+20	4,788960E+18	0,000000E+00	0,000000E+00	4,786646E+18	5,195951E+20
916	2,262107E+21	4,765395E+21	6,503490E+21	6,503557E+21	4,765542E+21	2,262193E+21	5,196305E+20	4,787899E+18	0,000000E+00	0,000000E+00	4,789841E+18	5,197564E+20
917	2,262391E+21	4,765593E+21	6,503278E+21	6,503059E+21	4,765188E+21	2,262139E+21	5,196580E+20	4,787242E+18	0,000000E+00	0,000000E+00	4,787468E+18	5,196655E+20
918	2,262161E+21	4,765285E+21	6,503249E+21	6,503363E+21	4,765531E+21	2,262338E+21	5,197520E+20	4,789823E+18	0,000000E+00	0,000000E+00	4,787912E+18	5,196295E+20
919	2,262199E+21	4,765571E+21	6,503643E+21	6,503595E+21	4,765439E+21	2,262094E+21	5,195911E+20	4,786891E+18	0,000000E+00	0,000000E+00	4,788740E+18	5,197468E+20
920	2,262365E+21	4,765630E+21	6,503464E+21	6,503392E+21	4,765545E+21	2,262300E+21	5,196912E+20	4,785473E+18	0,000000E+00	0,000000E+00	4,783370E+18	5,195901E+20
921	2,262121E+21	4,765459E+21	6,503700E+21	6,503887E+21	4,765893E+21	2,262400E+21	5,196802E+20	4,785577E+18	0,000000E+00	0,000000E+00	4,785258E+18	5,196472E+20
922	2,262368E+21	4,765880E+21	6,503932E+21	6,503875E+21	4,765689E+21	2,262191E+21	5,195575E+20	4,781402E+18	0,000000E+00	0,000000E+00	4,781714E+18	5,196712E+20
923	2,262392E+21	4,765877E+21	6,503826E+21	6,503877E+21	4,766005E+21	2,262483E+21	5,196983E+20	4,781104E+18	0,000000E+00	0,000000E+00	4,778612E+18	5,195242E+20
924	2,262209E+21	4,765901E+21	6,504279E+21	6,504351E+21	4,766153E+21	2,262401E+21	5,195973E+20	4,781563E+18	0,000000E+00	0,000000E+00	4,781619E+18	5,196567E+20

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												
925	2,262505E+21	4,766223E+21	6,504306E+21	6,504125E+21	4,765882E+21	2,262280E+21	5,195568E+20	4,776986E+18	0,000000E+00	0,000000E+00	4,776877E+18	5,196000E+20
926	2,262348E+21	4,765950E+21	6,504133E+21	6,504293E+21	4,766231E+21	2,262516E+21	5,196809E+20	4,780459E+18	0,000000E+00	0,000000E+00	4,779608E+18	5,195413E+20
927	2,262308E+21	4,766081E+21	6,504387E+21	6,504415E+21	4,766111E+21	2,262294E+21	5,195313E+20	4,779257E+18	0,000000E+00	0,000000E+00	4,781414E+18	5,196994E+20
928	2,262533E+21	4,766169E+21	6,504126E+21	6,503944E+21	4,765874E+21	2,262338E+21	5,196083E+20	4,778319E+18	0,000000E+00	0,000000E+00	4,779267E+18	5,195828E+20
929	2,262264E+21	4,765771E+21	6,503984E+21	6,504093E+21	4,766044E+21	2,262465E+21	5,196875E+20	4,784625E+18	0,000000E+00	0,000000E+00	4,784123E+18	5,196095E+20
930	2,262323E+21	4,765887E+21	6,503981E+21	6,503886E+21	4,765637E+21	2,262158E+21	5,195699E+20	4,783035E+18	0,000000E+00	0,000000E+00	4,784784E+18	5,197084E+20
931	2,262341E+21	4,765638E+21	6,503459E+21	6,503405E+21	4,765578E+21	2,262339E+21	5,197369E+20	4,788171E+18	0,000000E+00	0,000000E+00	4,786720E+18	5,195902E+20
932	2,262021E+21	4,765186E+21	6,503328E+21	6,503483E+21	4,765576E+21	2,262294E+21	5,197059E+20	4,791424E+18	0,000000E+00	0,000000E+00	4,791503E+18	5,197248E+20
933	2,262258E+21	4,765340E+21	6,503088E+21	6,502928E+21	4,764990E+21	2,262017E+21	5,196387E+20	4,789611E+18	0,000000E+00	0,000000E+00	4,792050E+18	5,197485E+20
934	2,262166E+21	4,765000E+21	6,502643E+21	6,502718E+21	4,765120E+21	2,262238E+21	5,197954E+20	4,794576E+18	0,000000E+00	0,000000E+00	4,792988E+18	5,196485E+20
935	2,262005E+21	4,764981E+21	6,502885E+21	6,502900E+21	4,765043E+21	2,262050E+21	5,196722E+20	4,793715E+18	0,000000E+00	0,000000E+00	4,795955E+18	5,198010E+20
936	2,262264E+21	4,765181E+21	6,502793E+21	6,502560E+21	4,764771E+21	2,262017E+21	5,197047E+20	4,793317E+18	0,000000E+00	0,000000E+00	4,792913E+18	5,197029E+20
937	2,262024E+21	4,764832E+21	6,502697E+21	6,502882E+21	4,765192E+21	2,262248E+21	5,197963E+20	4,795307E+18	0,000000E+00	0,000000E+00	4,793002E+18	5,196601E+20
938	2,262045E+21	4,765070E+21	6,502989E+21	6,503000E+21	4,765066E+21	2,262023E+21	5,196432E+20	4,792628E+18	0,000000E+00	0,000000E+00	4,793923E+18	5,197858E+20
939	2,262244E+21	4,765184E+21	6,502852E+21	6,502791E+21	4,765140E+21	2,262216E+21	5,197413E+20	4,790917E+18	0,000000E+00	0,000000E+00	4,788559E+18	5,196307E+20
940	2,262012E+21	4,765020E+21	6,503070E+21	6,503290E+21	4,765494E+21	2,262309E+21	5,197292E+20	4,791054E+18	0,000000E+00	0,000000E+00	4,790437E+18	5,196866E+20
941	2,262283E+21	4,765522E+21	6,503361E+21	6,503237E+21	4,765214E+21	2,262061E+21	5,195951E+20	4,786608E+18	0,000000E+00	0,000000E+00	4,787282E+18	5,197198E+20
942	2,262297E+21	4,765505E+21	6,503317E+21	6,503325E+21	4,765538E+21	2,262326E+21	5,197269E+20	4,786018E+18	0,000000E+00	0,000000E+00	4,784273E+18	5,195705E+20
943	2,262102E+21	4,765486E+21	6,503708E+21	6,503798E+21	4,765740E+21	2,262273E+21	5,196306E+20	4,786827E+18	0,000000E+00	0,000000E+00	4,787730E+18	5,197123E+20
944	2,262400E+21	4,765796E+21	6,503745E+21	6,503575E+21	4,765467E+21	2,262162E+21	5,195954E+20	4,782462E+18	0,000000E+00	0,000000E+00	4,782940E+18	5,196584E+20
945	2,262266E+21	4,765532E+21	6,503522E+21	6,503694E+21	4,765807E+21	2,262405E+21	5,197215E+20	4,785892E+18	0,000000E+00	0,000000E+00	4,785339E+18	5,195848E+20
946	2,262192E+21	4,765634E+21	6,503726E+21	6,503723E+21	4,765629E+21	2,262189E+21	5,195898E+20	4,785676E+18	0,000000E+00	0,000000E+00	4,787153E+18	5,197371E+20
947	2,262394E+21	4,765713E+21	6,503508E+21	6,503287E+21	4,765385E+21	2,262228E+21	5,196755E+20	4,785679E+18	0,000000E+00	0,000000E+00	4,785577E+18	5,196187E+20
948	2,262087E+21	4,765214E+21	6,503279E+21	6,503447E+21	4,765585E+21	2,262356E+21	5,197562E+20	4,792168E+18	0,000000E+00	0,000000E+00	4,790653E+18	5,196517E+20
949	2,262156E+21	4,765317E+21	6,503202E+21	6,503128E+21	4,765102E+21	2,262015E+21	5,196236E+20	4,790153E+18	0,000000E+00	0,000000E+00	4,792228E+18	5,197715E+20
950	2,262196E+21	4,765066E+21	6,502678E+21	6,502642E+21	4,765008E+21	2,262170E+21	5,197775E+20	4,794436E+18	0,000000E+00	0,000000E+00	4,793905E+18	5,196556E+20
951	2,261906E+21	4,764664E+21	6,502549E+21	6,502708E+21	4,765023E+21	2,262139E+21	5,197479E+20	4,797422E+18	0,000000E+00	0,000000E+00	4,798475E+18	5,197874E+20
952	2,262152E+21	4,764891E+21	6,502454E+21	6,502250E+21	4,764470E+21	2,261871E+21	5,196845E+20	4,795897E+18	0,000000E+00	0,000000E+00	4,798420E+18	5,198028E+20
953	2,262067E+21	4,764589E+21	6,502059E+21	6,502109E+21	4,764658E+21	2,262111E+21	5,198405E+20	4,800502E+18	0,000000E+00	0,000000E+00	4,798488E+18	5,196823E+20
954	2,261855E+21	4,764512E+21	6,502275E+21	6,502296E+21	4,764604E+21	2,261947E+21	5,197325E+20	4,800388E+18	0,000000E+00	0,000000E+00	4,801693E+18	5,198382E+20
955	2,262114E+21	4,764697E+21	6,502187E+21	6,502003E+21	4,764382E+21	2,261926E+21	5,197618E+20	4,799919E+18	0,000000E+00	0,000000E+00	4,798817E+18	5,197463E+20
956	2,261882E+21	4,764315E+21	6,502004E+21	6,502279E+21	4,764808E+21	2,262166E+21	5,198492E+20	4,801217E+18	0,000000E+00	0,000000E+00	4,798826E+18	5,197096E+20
957	2,261952E+21	4,764641E+21	6,502313E+21	6,502308E+21	4,764587E+21	2,261900E+21	5,196808E+20	4,797856E+18	0,000000E+00	0,000000E+00	4,799888E+18	5,198414E+20
958	2,262166E+21	4,764813E+21	6,502285E+21	6,502173E+21	4,764646E+21	2,262060E+21	5,197676E+20	4,795305E+18	0,000000E+00	0,000000E+00	4,793895E+18	5,196765E+20
959	2,261926E+21	4,764664E+21	6,502532E+21	6,502716E+21	4,765052E+21	2,262181E+21	5,197638E+20	4,795977E+18	0,000000E+00	0,000000E+00	4,795880E+18	5,197278E+20
960	2,262168E+21	4,765152E+21	6,502910E+21	6,502773E+21	4,764825E+21	2,261943E+21	5,196336E+20	4,791855E+18	0,000000E+00	0,000000E+00	4,792503E+18	5,197631E+20

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	2,262189E+21	4,765106E+21	6,502785E+21	6,502832E+21	4,765180E+21	2,262221E+21	5,197616E+20	4,791063E+18	0,000000E+00	0,000000E+00	4,789376E+18	5,196056E+20
962	2,261968E+21	4,765026E+21	6,503075E+21	6,503192E+21	4,765335E+21	2,262189E+21	5,196834E+20	4,792635E+18	0,000000E+00	0,000000E+00	4,793069E+18	5,197539E+20
963	2,262287E+21	4,765363E+21	6,503131E+21	6,502975E+21	4,765045E+21	2,262065E+21	5,196499E+20	4,788644E+18	0,000000E+00	0,000000E+00	4,788634E+18	5,196988E+20
964	2,262139E+21	4,765066E+21	6,502856E+21	6,503056E+21	4,765372E+21	2,262310E+21	5,197826E+20	4,792512E+18	0,000000E+00	0,000000E+00	4,791171E+18	5,196248E+20
965	2,262063E+21	4,765178E+21	6,503066E+21	6,503021E+21	4,765109E+21	2,262059E+21	5,196455E+20	4,792330E+18	0,000000E+00	0,000000E+00	4,793700E+18	5,197854E+20
966	2,262246E+21	4,765211E+21	6,502856E+21	6,502637E+21	4,764853E+21	2,262062E+21	5,197217E+20	4,792191E+18	0,000000E+00	0,000000E+00	4,792624E+18	5,196748E+20
967	2,261939E+21	4,764665E+21	6,502516E+21	6,502734E+21	4,765081E+21	2,262215E+21	5,198039E+20	4,798724E+18	0,000000E+00	0,000000E+00	4,798063E+18	5,197179E+20
968	2,262017E+21	4,764779E+21	6,502475E+21	6,502410E+21	4,764578E+21	2,261871E+21	5,196711E+20	4,796661E+18	0,000000E+00	0,000000E+00	4,799530E+18	5,198417E+20
969	2,262100E+21	4,764584E+21	6,501945E+21	6,501902E+21	4,764473E+21	2,262018E+21	5,198175E+20	4,800508E+18	0,000000E+00	0,000000E+00	4,800299E+18	5,197055E+20
970	2,261783E+21	4,764191E+21	6,501841E+21	6,501955E+21	4,764479E+21	2,262007E+21	5,198066E+20	4,804155E+18	0,000000E+00	0,000000E+00	4,804585E+18	5,198303E+20
971	2,262017E+21	4,764435E+21	6,501833E+21	6,501614E+21	4,763993E+21	2,261751E+21	5,197482E+20	4,803258E+18	0,000000E+00	0,000000E+00	4,804592E+18	5,198396E+20
972	2,261902E+21	4,764074E+21	6,501409E+21	6,501525E+21	4,764247E+21	2,262012E+21	5,199025E+20	4,807441E+18	0,000000E+00	0,000000E+00	4,804538E+18	5,197257E+20
973	2,261711E+21	4,764007E+21	6,501588E+21	6,501632E+21	4,764142E+21	2,261832E+21	5,197820E+20	4,806615E+18	0,000000E+00	0,000000E+00	4,808292E+18	5,198946E+20
974	2,261993E+21	4,764217E+21	6,501528E+21	6,501372E+21	4,763909E+21	2,261786E+21	5,197947E+20	4,804870E+18	0,000000E+00	0,000000E+00	4,804882E+18	5,198035E+20
975	2,261795E+21	4,763899E+21	6,501352E+21	6,501633E+21	4,764359E+21	2,262041E+21	5,198815E+20	4,805856E+18	0,000000E+00	0,000000E+00	4,804573E+18	5,197605E+20
976	2,261859E+21	4,764282E+21	6,501797E+21	6,501744E+21	4,764158E+21	2,261780E+21	5,197171E+20	4,802796E+18	0,000000E+00	0,000000E+00	4,804930E+18	5,198830E+20
977	2,262078E+21	4,764478E+21	6,501808E+21	6,501671E+21	4,764253E+21	2,261943E+21	5,198022E+20	4,800076E+18	0,000000E+00	0,000000E+00	4,798229E+18	5,197013E+20
978	2,261792E+21	4,764264E+21	6,502011E+21	6,502193E+21	4,764663E+21	2,262083E+21	5,198172E+20	4,801903E+18	0,000000E+00	0,000000E+00	4,800799E+18	5,197605E+20
979	2,262032E+21	4,764712E+21	6,502340E+21	6,502260E+21	4,764477E+21	2,261862E+21	5,196890E+20	4,798060E+18	0,000000E+00	0,000000E+00	4,797865E+18	5,198039E+20
980	2,262062E+21	4,764639E+21	6,502139E+21	6,502251E+21	4,764805E+21	2,262138E+21	5,198133E+20	4,796997E+18	0,000000E+00	0,000000E+00	4,795156E+18	5,196561E+20
981	2,261878E+21	4,764605E+21	6,502413E+21	6,502494E+21	4,764839E+21	2,262061E+21	5,197285E+20	4,798412E+18	0,000000E+00	0,000000E+00	4,799264E+18	5,198058E+20
982	2,262184E+21	4,764952E+21	6,502533E+21	6,502337E+21	4,764532E+21	2,261906E+21	5,196873E+20	4,794100E+18	0,000000E+00	0,000000E+00	4,794915E+18	5,197468E+20
983	2,262016E+21	4,764624E+21	6,502223E+21	6,502412E+21	4,764885E+21	2,262172E+21	5,198294E+20	4,798742E+18	0,000000E+00	0,000000E+00	4,797814E+18	5,196736E+20
984	2,261900E+21	4,764675E+21	6,502450E+21	6,502420E+21	4,764644E+21	2,261923E+21	5,196953E+20	4,798833E+18	0,000000E+00	0,000000E+00	4,800421E+18	5,198401E+20
985	2,262104E+21	4,764682E+21	6,502142E+21	6,501973E+21	4,764385E+21	2,261928E+21	5,197652E+20	4,798424E+18	0,000000E+00	0,000000E+00	4,799208E+18	5,197269E+20
986	2,261791E+21	4,764111E+21	6,501725E+21	6,501952E+21	4,764548E+21	2,262091E+21	5,198625E+20	4,805442E+18	0,000000E+00	0,000000E+00	4,804646E+18	5,197754E+20
987	2,261897E+21	4,764275E+21	6,501725E+21	6,501668E+21	4,764065E+21	2,261744E+21	5,197315E+20	4,803726E+18	0,000000E+00	0,000000E+00	4,806167E+18	5,198931E+20
988	2,261975E+21	4,764099E+21	6,501234E+21	6,501181E+21	4,763971E+21	2,261896E+21	5,198770E+20	4,807548E+18	0,000000E+00	0,000000E+00	4,806670E+18	5,197547E+20
989	2,261661E+21	4,763731E+21	6,501179E+21	6,501236E+21	4,763930E+21	2,261857E+21	5,198621E+20	4,811030E+18	0,000000E+00	0,000000E+00	4,811301E+18	5,198812E+20
990	2,261877E+21	4,763950E+21	6,501212E+21	6,501010E+21	4,763499E+21	2,261592E+21	5,197920E+20	4,809632E+18	0,000000E+00	0,000000E+00	4,811471E+18	5,198956E+20
991	2,261768E+21	4,763569E+21	6,500714E+21	6,500881E+21	4,763806E+21	2,261891E+21	5,199459E+20	4,813325E+18	0,000000E+00	0,000000E+00	4,811269E+18	5,197867E+20
992	2,261587E+21	4,763539E+21	6,500965E+21	6,501012E+21	4,763697E+21	2,261715E+21	5,198245E+20	4,812135E+18	0,000000E+00	0,000000E+00	4,814445E+18	5,199512E+20
993	2,261910E+21	4,763818E+21	6,500922E+21	6,500751E+21	4,763466E+21	2,261661E+21	5,198285E+20	4,809750E+18	0,000000E+00	0,000000E+00	4,809750E+18	5,198370E+20
994	2,261677E+21	4,763503E+21	6,500769E+21	6,500999E+21	4,763914E+21	2,261937E+21	5,199335E+20	4,811442E+18	0,000000E+00	0,000000E+00	4,809278E+18	5,197892E+20
995	2,261732E+21	4,763880E+21	6,501271E+21	6,501231E+21	4,763788E+21	2,261686E+21	5,197729E+20	4,809031E+18	0,000000E+00	0,000000E+00	4,809698E+18	5,199078E+20
996	2,261927E+21	4,764022E+21	6,501240E+21	6,501167E+21	4,763911E+21	2,261857E+21	5,198534E+20	4,806044E+18	0,000000E+00	0,000000E+00	4,803309E+18	5,197401E+20

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	2,261671E+21	4,763816E+21	6,501396E+21	6,501586E+21	4,764239E+21	2,261971E+21	5,198609E+20	4,807531E+18	0,000000E+00	0,000000E+00	4,806687E+18	5,198128E+20
998	2,261932E+21	4,764286E+21	6,501748E+21	6,501674E+21	4,764031E+21	2,261725E+21	5,197209E+20	4,802836E+18	0,000000E+00	0,000000E+00	4,803737E+18	5,198592E+20
999	2,261981E+21	4,764247E+21	6,501527E+21	6,501623E+21	4,764361E+21	2,262012E+21	5,198473E+20	4,801976E+18	0,000000E+00	0,000000E+00	4,801231E+18	5,197094E+20
1000	2,261776E+21	4,764232E+21	6,501891E+21	6,501910E+21	4,764391E+21	2,261935E+21	5,197697E+20	4,803814E+18	0,000000E+00	0,000000E+00	4,805040E+18	5,198509E+20
1001	2,262072E+21	4,764550E+21	6,501982E+21	6,501765E+21	4,764093E+21	2,261773E+21	5,197272E+20	4,799686E+18	0,000000E+00	0,000000E+00	4,800507E+18	5,197818E+20
1002	2,261857E+21	4,764127E+21	6,501568E+21	6,501765E+21	4,764431E+21	2,262058E+21	5,198887E+20	4,805565E+18	0,000000E+00	0,000000E+00	4,804089E+18	5,197225E+20
1003	2,261749E+21	4,764123E+21	6,501708E+21	6,501754E+21	4,764211E+21	2,261819E+21	5,197581E+20	4,806002E+18	0,000000E+00	0,000000E+00	4,807093E+18	5,198937E+20
1004	2,261964E+21	4,764129E+21	6,501356E+21	6,501226E+21	4,763892E+21	2,261812E+21	5,198247E+20	4,805498E+18	0,000000E+00	0,000000E+00	4,806114E+18	5,197903E+20
1005	2,261689E+21	4,763622E+21	6,500967E+21	6,501120E+21	4,763938E+21	2,261924E+21	5,199152E+20	4,812280E+18	0,000000E+00	0,000000E+00	4,811626E+18	5,198347E+20
1006	2,261782E+21	4,763813E+21	6,501066E+21	6,500943E+21	4,763482E+21	2,261567E+21	5,197784E+20	4,810268E+18	0,000000E+00	0,000000E+00	4,813198E+18	5,199464E+20
1007	2,261842E+21	4,763625E+21	6,500583E+21	6,500508E+21	4,763459E+21	2,261747E+21	5,199261E+20	4,814314E+18	0,000000E+00	0,000000E+00	4,813669E+18	5,198074E+20
1008	2,261502E+21	4,763230E+21	6,500564E+21	6,500629E+21	4,763472E+21	2,261725E+21	5,199130E+20	4,817601E+18	0,000000E+00	0,000000E+00	4,817979E+18	5,199336E+20
1009	2,261738E+21	4,763439E+21	6,500536E+21	6,500390E+21	4,763077E+21	2,261476E+21	5,198348E+20	4,815580E+18	0,000000E+00	0,000000E+00	4,817460E+18	5,199391E+20
1010	2,261623E+21	4,763059E+21	6,500010E+21	6,500190E+21	4,763350E+21	2,261788E+21	5,200006E+20	4,819304E+18	0,000000E+00	0,000000E+00	4,816853E+18	5,198326E+20
1011	2,261466E+21	4,763062E+21	6,500290E+21	6,500375E+21	4,763284E+21	2,261620E+21	5,198819E+20	4,818407E+18	0,000000E+00	0,000000E+00	4,819668E+18	5,199834E+20
1012	2,261779E+21	4,763376E+21	6,500310E+21	6,500140E+21	4,763056E+21	2,261569E+21	5,198821E+20	4,815695E+18	0,000000E+00	0,000000E+00	4,814747E+18	5,198750E+20
1013	2,261565E+21	4,763096E+21	6,500201E+21	6,500372E+21	4,763432E+21	2,261800E+21	5,199799E+20	4,817266E+18	0,000000E+00	0,000000E+00	4,814833E+18	5,198325E+20
1014	2,261616E+21	4,763459E+21	6,500729E+21	6,500694E+21	4,763363E+21	2,261548E+21	5,198079E+20	4,814315E+18	0,000000E+00	0,000000E+00	4,815629E+18	5,199613E+20
1015	2,261830E+21	4,763603E+21	6,500646E+21	6,500591E+21	4,763513E+21	2,261739E+21	5,198835E+20	4,810979E+18	0,000000E+00	0,000000E+00	4,809500E+18	5,198010E+20
1016	2,261588E+21	4,763443E+21	6,500861E+21	6,501015E+21	4,763816E+21	2,261846E+21	5,198914E+20	4,812295E+18	0,000000E+00	0,000000E+00	4,812492E+18	5,198682E+20
1017	2,261869E+21	4,763944E+21	6,501218E+21	6,501110E+21	4,763618E+21	2,261597E+21	5,197489E+20	4,807374E+18	0,000000E+00	0,000000E+00	4,808572E+18	5,198909E+20
1018	2,261863E+21	4,763861E+21	6,500988E+21	6,501024E+21	4,763927E+21	2,261906E+21	5,198992E+20	4,807774E+18	0,000000E+00	0,000000E+00	4,806442E+18	5,197432E+20
1019	2,261633E+21	4,763769E+21	6,501308E+21	6,501372E+21	4,764016E+21	2,261845E+21	5,198331E+20	4,810596E+18	0,000000E+00	0,000000E+00	4,810449E+18	5,198784E+20
1020	2,261894E+21	4,764015E+21	6,501313E+21	6,501161E+21	4,763703E+21	2,261686E+21	5,197887E+20	4,806521E+18	0,000000E+00	0,000000E+00	4,806711E+18	5,198320E+20
1021	2,261715E+21	4,763583E+21	6,500815E+21	6,501000E+21	4,763902E+21	2,261923E+21	5,199430E+20	4,812353E+18	0,000000E+00	0,000000E+00	4,811027E+18	5,197847E+20
1022	2,261634E+21	4,763608E+21	6,500972E+21	6,501002E+21	4,763654E+21	2,261657E+21	5,198022E+20	4,812098E+18	0,000000E+00	0,000000E+00	4,814197E+18	5,199584E+20
1023	2,261864E+21	4,763652E+21	6,500623E+21	6,500459E+21	4,763342E+21	2,261654E+21	5,198683E+20	4,811949E+18	0,000000E+00	0,000000E+00	4,813252E+18	5,198510E+20
1024	2,261573E+21	4,763190E+21	6,500366E+21	6,500436E+21	4,763401E+21	2,261765E+21	5,199621E+20	4,818763E+18	0,000000E+00	0,000000E+00	4,818241E+18	5,198869E+20
1025	2,261658E+21	4,763358E+21	6,500464E+21	6,500323E+21	4,763000E+21	2,261419E+21	5,198257E+20	4,816862E+18	0,000000E+00	0,000000E+00	4,819471E+18	5,199844E+20
1026	2,261667E+21	4,763083E+21	6,499904E+21	6,499853E+21	4,763005E+21	2,261637E+21	5,199889E+20	4,821505E+18	0,000000E+00	0,000000E+00	4,820207E+18	5,198599E+20
1027	2,261349E+21	4,762661E+21	6,499818E+21	6,499985E+21	4,763070E+21	2,261636E+21	5,199778E+20	4,824672E+18	0,000000E+00	0,000000E+00	4,824352E+18	5,199799E+20
1028	2,261595E+21	4,762903E+21	6,499783E+21	6,499678E+21	4,762629E+21	2,261382E+21	5,198927E+20	4,822135E+18	0,000000E+00	0,000000E+00	4,823680E+18	5,199929E+20
1029	2,261517E+21	4,762594E+21	6,499309E+21	6,499420E+21	4,762797E+21	2,261644E+21	5,200481E+20	4,825271E+18	0,000000E+00	0,000000E+00	4,822747E+18	5,198809E+20
1030	2,261361E+21	4,762638E+21	6,499697E+21	6,499729E+21	4,762773E+21	2,261468E+21	5,199215E+20	4,823992E+18	0,000000E+00	0,000000E+00	4,825543E+18	5,200265E+20
1031	2,261661E+21	4,762951E+21	6,499737E+21	6,499559E+21	4,762615E+21	2,261434E+21	5,199182E+20	4,821194E+18	0,000000E+00	0,000000E+00	4,820597E+18	5,199227E+20
1032	2,261447E+21	4,762700E+21	6,499700E+21	6,499854E+21	4,763028E+21	2,261670E+21	5,200109E+20	4,822270E+18	0,000000E+00	0,000000E+00	4,820545E+18	5,198848E+20

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												
1033	2,261531E+21	4,763075E+21	6,500191E+21	6,500167E+21	4,762990E+21	2,261437E+21	5,198359E+20	4,818837E+18	0,000000E+00	0,000000E+00	4,820579E+18	5,200007E+20
1034	2,261730E+21	4,763215E+21	6,500097E+21	6,500022E+21	4,763124E+21	2,261646E+21	5,199250E+20	4,815856E+18	0,000000E+00	0,000000E+00	4,814439E+18	5,198435E+20
1035	2,261500E+21	4,763058E+21	6,500307E+21	6,500489E+21	4,763473E+21	2,261768E+21	5,199429E+20	4,817937E+18	0,000000E+00	0,000000E+00	4,817123E+18	5,198908E+20
1036	2,261736E+21	4,763535E+21	6,500674E+21	6,500566E+21	4,763251E+21	2,261522E+21	5,198050E+20	4,813334E+18	0,000000E+00	0,000000E+00	4,813523E+18	5,199227E+20
1037	2,261724E+21	4,763406E+21	6,500399E+21	6,500398E+21	4,763451E+21	2,261779E+21	5,199540E+20	4,814294E+18	0,000000E+00	0,000000E+00	4,812455E+18	5,197879E+20
1038	2,261490E+21	4,763251E+21	6,500648E+21	6,500745E+21	4,763552E+21	2,261714E+21	5,198812E+20	4,816867E+18	0,000000E+00	0,000000E+00	4,817196E+18	5,199360E+20
1039	2,261765E+21	4,763487E+21	6,500571E+21	6,500441E+21	4,763212E+21	2,261555E+21	5,198335E+20	4,812807E+18	0,000000E+00	0,000000E+00	4,814077E+18	5,199030E+20
1040	2,261618E+21	4,763131E+21	6,500139E+21	6,500254E+21	4,763340E+21	2,261757E+21	5,199821E+20	4,818474E+18	0,000000E+00	0,000000E+00	4,818042E+18	5,198502E+20
1041	2,261552E+21	4,763183E+21	6,500315E+21	6,500285E+21	4,763116E+21	2,261496E+21	5,198417E+20	4,818054E+18	0,000000E+00	0,000000E+00	4,820349E+18	5,199997E+20
1042	2,261726E+21	4,763184E+21	6,499992E+21	6,499772E+21	4,762822E+21	2,261515E+21	5,199251E+20	4,819033E+18	0,000000E+00	0,000000E+00	4,819734E+18	5,198956E+20
1043	2,261413E+21	4,762650E+21	6,499687E+21	6,499829E+21	4,762975E+21	2,261655E+21	5,200289E+20	4,826375E+18	0,000000E+00	0,000000E+00	4,824517E+18	5,199214E+20
1044	2,261467E+21	4,762770E+21	6,499729E+21	6,499668E+21	4,762588E+21	2,261336E+21	5,198925E+20	4,824252E+18	0,000000E+00	0,000000E+00	4,826305E+18	5,200386E+20
1045	2,261514E+21	4,762502E+21	6,499120E+21	6,499072E+21	4,762465E+21	2,261509E+21	5,200470E+20	4,828377E+18	0,000000E+00	0,000000E+00	4,827100E+18	5,199228E+20
1046	2,261232E+21	4,762133E+21	6,499065E+21	6,499238E+21	4,762531E+21	2,261493E+21	5,200238E+20	4,830557E+18	0,000000E+00	0,000000E+00	4,831042E+18	5,200367E+20
1047	2,261489E+21	4,762439E+21	6,499081E+21	6,498942E+21	4,762110E+21	2,261242E+21	5,199337E+20	4,827924E+18	0,000000E+00	0,000000E+00	4,830076E+18	5,200468E+20
1048	2,261415E+21	4,762215E+21	6,498766E+21	6,498781E+21	4,762282E+21	2,261485E+21	5,200819E+20	4,830548E+18	0,000000E+00	0,000000E+00	4,828385E+18	5,199282E+20
1049	2,261265E+21	4,762262E+21	6,499180E+21	6,499194E+21	4,762346E+21	2,261329E+21	5,199538E+20	4,829186E+18	0,000000E+00	0,000000E+00	4,830608E+18	5,200595E+20
1050	2,261530E+21	4,762522E+21	6,499190E+21	6,499036E+21	4,762242E+21	2,261335E+21	5,199620E+20	4,826703E+18	0,000000E+00	0,000000E+00	4,825861E+18	5,199700E+20
1051	2,261345E+21	4,762268E+21	6,499119E+21	6,499356E+21	4,762709E+21	2,261596E+21	5,200604E+20	4,827855E+18	0,000000E+00	0,000000E+00	4,825563E+18	5,199206E+20
1052	2,261425E+21	4,762673E+21	6,499619E+21	6,499614E+21	4,762639E+21	2,261373E+21	5,198873E+20	4,824335E+18	0,000000E+00	0,000000E+00	4,825538E+18	5,200394E+20
1053	2,261629E+21	4,762826E+21	6,499537E+21	6,499400E+21	4,762661E+21	2,261531E+21	5,199720E+20	4,821356E+18	0,000000E+00	0,000000E+00	4,819604E+18	5,198803E+20
1054	2,261386E+21	4,762650E+21	6,499764E+21	6,499925E+21	4,763031E+21	2,261648E+21	5,199882E+20	4,823557E+18	0,000000E+00	0,000000E+00	4,822755E+18	5,199250E+20
1055	2,261587E+21	4,763058E+21	6,500061E+21	6,499981E+21	4,762829E+21	2,261408E+21	5,198504E+20	4,819327E+18	0,000000E+00	0,000000E+00	4,819735E+18	5,199698E+20
1056	2,261585E+21	4,762940E+21	6,499790E+21	6,499786E+21	4,762989E+21	2,261641E+21	5,199918E+20	4,820048E+18	0,000000E+00	0,000000E+00	4,819039E+18	5,198493E+20
1057	2,261394E+21	4,762793E+21	6,499979E+21	6,500080E+21	4,763074E+21	2,261576E+21	5,199165E+20	4,822314E+18	0,000000E+00	0,000000E+00	4,823191E+18	5,199853E+20
1058	2,261652E+21	4,763016E+21	6,499882E+21	6,499733E+21	4,762710E+21	2,261425E+21	5,198817E+20	4,818930E+18	0,000000E+00	0,000000E+00	4,820399E+18	5,199595E+20
1059	2,261518E+21	4,762673E+21	6,499473E+21	6,499609E+21	4,762885E+21	2,261637E+21	5,200367E+20	4,825196E+18	0,000000E+00	0,000000E+00	4,823960E+18	5,198869E+20
1060	2,261408E+21	4,762712E+21	6,499679E+21	6,499631E+21	4,762651E+21	2,261392E+21	5,199060E+20	4,825120E+18	0,000000E+00	0,000000E+00	4,826678E+18	5,200433E+20
1061	2,261566E+21	4,762650E+21	6,499308E+21	6,499075E+21	4,762287E+21	2,261372E+21	5,199864E+20	4,826548E+18	0,000000E+00	0,000000E+00	4,826816E+18	5,199509E+20
1062	2,261261E+21	4,762081E+21	6,498940E+21	6,499131E+21	4,762475E+21	2,261524E+21	5,200835E+20	4,833246E+18	0,000000E+00	0,000000E+00	4,831953E+18	5,199830E+20
1063	2,261322E+21	4,762196E+21	6,498925E+21	6,498896E+21	4,762068E+21	2,261209E+21	5,199445E+20	4,830951E+18	0,000000E+00	0,000000E+00	4,833983E+18	5,201070E+20
1064	2,261407E+21	4,762034E+21	6,498418E+21	6,498312E+21	4,761889E+21	2,261344E+21	5,200865E+20	4,834344E+18	0,000000E+00	0,000000E+00	4,833863E+18	5,199858E+20
1065	2,261148E+21	4,761717E+21	6,498416E+21	6,498536E+21	4,761998E+21	2,261335E+21	5,200601E+20	4,836082E+18	0,000000E+00	0,000000E+00	4,836613E+18	5,200713E+20
1066	2,261352E+21	4,762000E+21	6,498491E+21	6,498320E+21	4,761637E+21	2,261115E+21	5,199836E+20	4,834129E+18	0,000000E+00	0,000000E+00	4,835629E+18	5,200865E+20
1067	2,261281E+21	4,761752E+21	6,498184E+21	6,498279E+21	4,761920E+21	2,261383E+21	5,201336E+20	4,836809E+18	0,000000E+00	0,000000E+00	4,833451E+18	5,199572E+20
1068	2,261117E+21	4,761799E+21	6,498588E+21	6,498661E+21	4,762006E+21	2,261264E+21	5,200093E+20	4,835248E+18	0,000000E+00	0,000000E+00	4,836088E+18	5,201036E+20

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												
1069	2,261411E+21	4,762065E+21	6,498572E+21	6,498429E+21	4,761807E+21	2,261230E+21	5,200092E+20	4,832329E+18	0,000000E+00	0,000000E+00	4,831330E+18	5,200189E+20
1070	2,261257E+21	4,761860E+21	6,498526E+21	6,498770E+21	4,762286E+21	2,261488E+21	5,201005E+20	4,832889E+18	0,000000E+00	0,000000E+00	4,831010E+18	5,199615E+20
1071	2,261321E+21	4,762279E+21	6,499044E+21	6,499022E+21	4,762222E+21	2,261272E+21	5,199290E+20	4,829570E+18	0,000000E+00	0,000000E+00	4,831021E+18	5,200789E+20
1072	2,261519E+21	4,762475E+21	6,499048E+21	6,498844E+21	4,762195E+21	2,261391E+21	5,200067E+20	4,826386E+18	0,000000E+00	0,000000E+00	4,825127E+18	5,199258E+20
1073	2,261281E+21	4,762246E+21	6,499203E+21	6,499381E+21	4,762613E+21	2,261517E+21	5,200223E+20	4,828779E+18	0,000000E+00	0,000000E+00	4,828164E+18	5,199629E+20
1074	2,261447E+21	4,762580E+21	6,499427E+21	6,499390E+21	4,762416E+21	2,261300E+21	5,198949E+20	4,824997E+18	0,000000E+00	0,000000E+00	4,825918E+18	5,200293E+20
1075	2,261486E+21	4,762463E+21	6,499104E+21	6,499170E+21	4,762567E+21	2,261531E+21	5,200391E+20	4,826126E+18	0,000000E+00	0,000000E+00	4,825017E+18	5,198975E+20
1076	2,261290E+21	4,762359E+21	6,499318E+21	6,499401E+21	4,762606E+21	2,261472E+21	5,199716E+20	4,828508E+18	0,000000E+00	0,000000E+00	4,829153E+18	5,200338E+20
1077	2,261535E+21	4,762568E+21	6,499231E+21	6,499015E+21	4,762154E+21	2,261276E+21	5,199360E+20	4,825698E+18	0,000000E+00	0,000000E+00	4,826749E+18	5,200053E+20
1078	2,261383E+21	4,762195E+21	6,498835E+21	6,498951E+21	4,762368E+21	2,261497E+21	5,200909E+20	4,832050E+18	0,000000E+00	0,000000E+00	4,830696E+18	5,199306E+20
1079	2,261234E+21	4,762158E+21	6,498965E+21	6,498960E+21	4,762170E+21	2,261271E+21	5,199645E+20	4,832249E+18	0,000000E+00	0,000000E+00	4,834027E+18	5,200981E+20
1080	2,261409E+21	4,762117E+21	6,498592E+21	6,498370E+21	4,761760E+21	2,261225E+21	5,200337E+20	4,833230E+18	0,000000E+00	0,000000E+00	4,834359E+18	5,200205E+20
1081	2,261151E+21	4,761567E+21	6,498180E+21	6,498393E+21	4,761954E+21	2,261381E+21	5,201255E+20	4,839195E+18	0,000000E+00	0,000000E+00	4,838436E+18	5,200344E+20
1082	2,261189E+21	4,761685E+21	6,498188E+21	6,498161E+21	4,761550E+21	2,261079E+21	5,199964E+20	4,837304E+18	0,000000E+00	0,000000E+00	4,840432E+18	5,201610E+20
1083	2,261293E+21	4,761558E+21	6,497743E+21	6,497666E+21	4,761423E+21	2,261220E+21	5,201409E+20	4,840934E+18	0,000000E+00	0,000000E+00	4,839317E+18	5,200188E+20
1084	2,261007E+21	4,761270E+21	6,497813E+21	6,497918E+21	4,761548E+21	2,261231E+21	5,201211E+20	4,842714E+18	0,000000E+00	0,000000E+00	4,842238E+18	5,201088E+20
1085	2,261199E+21	4,761507E+21	6,497862E+21	6,497703E+21	4,761170E+21	2,260988E+21	5,200386E+20	4,840904E+18	0,000000E+00	0,000000E+00	4,841661E+18	5,201360E+20
1086	2,261159E+21	4,761283E+21	6,497549E+21	6,497686E+21	4,761502E+21	2,261273E+21	5,201771E+20	4,842572E+18	0,000000E+00	0,000000E+00	4,839746E+18	5,200121E+20
1087	2,261012E+21	4,761351E+21	6,497934E+21	6,498023E+21	4,761577E+21	2,261164E+21	5,200547E+20	4,840877E+18	0,000000E+00	0,000000E+00	4,842394E+18	5,201588E+20
1088	2,261333E+21	4,761717E+21	6,498025E+21	6,497831E+21	4,761338E+21	2,261090E+21	5,200387E+20	4,837031E+18	0,000000E+00	0,000000E+00	4,836891E+18	5,200699E+20
1089	2,261188E+21	4,761537E+21	6,498015E+21	6,498217E+21	4,761851E+21	2,261353E+21	5,201282E+20	4,837416E+18	0,000000E+00	0,000000E+00	4,835755E+18	5,199872E+20
1090	2,261180E+21	4,761870E+21	6,498520E+21	6,498502E+21	4,761827E+21	2,261165E+21	5,199727E+20	4,834941E+18	0,000000E+00	0,000000E+00	4,836078E+18	5,201130E+20
1091	2,261380E+21	4,762014E+21	6,498477E+21	6,498375E+21	4,761862E+21	2,261297E+21	5,200533E+20	4,832056E+18	0,000000E+00	0,000000E+00	4,830163E+18	5,199593E+20
1092	2,261145E+21	4,761792E+21	6,498580E+21	6,498799E+21	4,762235E+21	2,261442E+21	5,200764E+20	4,834669E+18	0,000000E+00	0,000000E+00	4,833827E+18	5,200112E+20
1093	2,261326E+21	4,762105E+21	6,498747E+21	6,498707E+21	4,761930E+21	2,261180E+21	5,199461E+20	4,830997E+18	0,000000E+00	0,000000E+00	4,831869E+18	5,200844E+20
1094	2,261397E+21	4,762040E+21	6,498454E+21	6,498495E+21	4,762075E+21	2,261398E+21	5,200821E+20	4,832021E+18	0,000000E+00	0,000000E+00	4,831345E+18	5,199456E+20
1095	2,261172E+21	4,761920E+21	6,498674E+21	6,498720E+21	4,762104E+21	2,261343E+21	5,200241E+20	4,834964E+18	0,000000E+00	0,000000E+00	4,835645E+18	5,200797E+20
1096	2,261404E+21	4,762142E+21	6,498648E+21	6,498385E+21	4,761624E+21	2,261111E+21	5,199808E+20	4,832196E+18	0,000000E+00	0,000000E+00	4,833674E+18	5,200604E+20
1097	2,261250E+21	4,761706E+21	6,498172E+21	6,498318E+21	4,761887E+21	2,261351E+21	5,201355E+20	4,838569E+18	0,000000E+00	0,000000E+00	4,837379E+18	5,199796E+20
1098	2,261065E+21	4,761586E+21	6,498214E+21	6,498267E+21	4,761698E+21	2,261159E+21	5,200230E+20	4,839114E+18	0,000000E+00	0,000000E+00	4,841297E+18	5,201627E+20
1099	2,261281E+21	4,761561E+21	6,497811E+21	6,497669E+21	4,761284E+21	2,261108E+21	5,200929E+20	4,840276E+18	0,000000E+00	0,000000E+00	4,841073E+18	5,200738E+20
1100	2,261028E+21	4,761080E+21	6,497439E+21	6,497634E+21	4,761438E+21	2,261266E+21	5,201872E+20	4,845978E+18	0,000000E+00	0,000000E+00	4,844782E+18	5,200832E+20
1101	2,261046E+21	4,761177E+21	6,497475E+21	6,497404E+21	4,760980E+21	2,260927E+21	5,200555E+20	4,844475E+18	0,000000E+00	0,000000E+00	4,846851E+18	5,202071E+20
1102	2,261153E+21	4,761065E+21	6,497077E+21	6,496996E+21	4,760914E+21	2,261077E+21	5,201908E+20	4,847659E+18	0,000000E+00	0,000000E+00	4,845741E+18	5,200632E+20
1103	2,260849E+21	4,760754E+21	6,497141E+21	6,497280E+21	4,761092E+21	2,261111E+21	5,201738E+20	4,849274E+18	0,000000E+00	0,000000E+00	4,848949E+18	5,201629E+20
1104	2,261081E+21	4,761066E+21	6,497243E+21	6,497079E+21	4,760696E+21	2,260847E+21	5,200748E+20	4,846526E+18	0,000000E+00	0,000000E+00	4,848138E+18	5,201998E+20

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	2,261084E+21	4,760888E+21	6,496943E+21	6,497081E+21	4,761064E+21	2,261142E+21	5,202054E+20	4,847173E+18	0,000000E+00	0,000000E+00	4,845074E+18	5,200560E+20
1106	2,260912E+21	4,760966E+21	6,497371E+21	6,497451E+21	4,761175E+21	2,261062E+21	5,200942E+20	4,845758E+18	0,000000E+00	0,000000E+00	4,847591E+18	5,201995E+20
1107	2,261235E+21	4,761339E+21	6,497509E+21	6,497343E+21	4,760980E+21	2,260992E+21	5,200817E+20	4,842165E+18	0,000000E+00	0,000000E+00	4,841199E+18	5,200927E+20
1108	2,261060E+21	4,761162E+21	6,497512E+21	6,497712E+21	4,761491E+21	2,261271E+21	5,201802E+20	4,842969E+18	0,000000E+00	0,000000E+00	4,840561E+18	5,200170E+20
1109	2,261025E+21	4,761392E+21	6,497922E+21	6,497945E+21	4,761426E+21	2,261059E+21	5,200241E+20	4,841031E+18	0,000000E+00	0,000000E+00	4,841529E+18	5,201572E+20
1110	2,261259E+21	4,761549E+21	6,497834E+21	6,497764E+21	4,761449E+21	2,261192E+21	5,200968E+20	4,837737E+18	0,000000E+00	0,000000E+00	4,836309E+18	5,200135E+20
1111	2,261040E+21	4,761347E+21	6,497916E+21	6,498120E+21	4,761764E+21	2,261326E+21	5,201255E+20	4,840646E+18	0,000000E+00	0,000000E+00	4,840237E+18	5,200678E+20
1112	2,261246E+21	4,761743E+21	6,498160E+21	6,498037E+21	4,761403E+21	2,261020E+21	5,199822E+20	4,836487E+18	0,000000E+00	0,000000E+00	4,838117E+18	5,201402E+20
1113	2,261312E+21	4,761669E+21	6,497891E+21	6,497875E+21	4,761583E+21	2,261241E+21	5,201166E+20	4,837672E+18	0,000000E+00	0,000000E+00	4,837197E+18	5,199827E+20
1114	2,261017E+21	4,761443E+21	6,498068E+21	6,498128E+21	4,761657E+21	2,261220E+21	5,200767E+20	4,841420E+18	0,000000E+00	0,000000E+00	4,842035E+18	5,201254E+20
1115	2,261243E+21	4,761591E+21	6,497968E+21	6,497820E+21	4,761228E+21	2,261003E+21	5,200379E+20	4,839141E+18	0,000000E+00	0,000000E+00	4,840215E+18	5,201069E+20
1116	2,261094E+21	4,761166E+21	6,497434E+21	6,497619E+21	4,761434E+21	2,261258E+21	5,202002E+20	4,845570E+18	0,000000E+00	0,000000E+00	4,844172E+18	5,200371E+20
1117	2,260911E+21	4,761000E+21	6,497404E+21	6,497478E+21	4,761152E+21	2,261028E+21	5,200866E+20	4,846277E+18	0,000000E+00	0,000000E+00	4,848179E+18	5,202205E+20
1118	2,261161E+21	4,761052E+21	6,497048E+21	6,496881E+21	4,760735E+21	2,260968E+21	5,201468E+20	4,847163E+18	0,000000E+00	0,000000E+00	4,848017E+18	5,201276E+20
1119	2,260895E+21	4,760591E+21	6,496724E+21	6,496858E+21	4,760871E+21	2,261120E+21	5,202457E+20	4,852989E+18	0,000000E+00	0,000000E+00	4,851517E+18	5,201337E+20
1120	2,260917E+21	4,760727E+21	6,496842E+21	6,496719E+21	4,760426E+21	2,260752E+21	5,200991E+20	4,851047E+18	0,000000E+00	0,000000E+00	4,853758E+18	5,202664E+20
1121	2,261041E+21	4,760609E+21	6,496450E+21	6,496378E+21	4,760443E+21	2,260920E+21	5,202222E+20	4,853423E+18	0,000000E+00	0,000000E+00	4,852048E+18	5,201160E+20
1122	2,260722E+21	4,760272E+21	6,496487E+21	6,496657E+21	4,760660E+21	2,260996E+21	5,202182E+20	4,854988E+18	0,000000E+00	0,000000E+00	4,855350E+18	5,202222E+20
1123	2,260988E+21	4,760625E+21	6,496628E+21	6,496524E+21	4,760313E+21	2,260747E+21	5,201201E+20	4,852137E+18	0,000000E+00	0,000000E+00	4,853403E+18	5,202389E+20
1124	2,260985E+21	4,760527E+21	6,496405E+21	6,496503E+21	4,760665E+21	2,261054E+21	5,202554E+20	4,852527E+18	0,000000E+00	0,000000E+00	4,849850E+18	5,200858E+20
1125	2,260769E+21	4,760529E+21	6,496812E+21	6,496874E+21	4,760747E+21	2,260957E+21	5,201492E+20	4,851782E+18	0,000000E+00	0,000000E+00	4,852388E+18	5,202241E+20
1126	2,261086E+21	4,760893E+21	6,496946E+21	6,496798E+21	4,760598E+21	2,260893E+21	5,201288E+20	4,847923E+18	0,000000E+00	0,000000E+00	4,846450E+18	5,201252E+20
1127	2,260905E+21	4,760680E+21	6,496886E+21	6,497114E+21	4,761093E+21	2,261174E+21	5,202301E+20	4,848882E+18	0,000000E+00	0,000000E+00	4,846529E+18	5,200667E+20
1128	2,260920E+21	4,760966E+21	6,497304E+21	6,497318E+21	4,760968E+21	2,260924E+21	5,200586E+20	4,846221E+18	0,000000E+00	0,000000E+00	4,847647E+18	5,202204E+20
1129	2,261195E+21	4,761169E+21	6,497239E+21	6,497144E+21	4,760990E+21	2,261043E+21	5,201213E+20	4,842442E+18	0,000000E+00	0,000000E+00	4,841944E+18	5,200634E+20
1130	2,260950E+21	4,760962E+21	6,497348E+21	6,497511E+21	4,761316E+21	2,261199E+21	5,201651E+20	4,846013E+18	0,000000E+00	0,000000E+00	4,846054E+18	5,201156E+20
1131	2,261142E+21	4,761336E+21	6,497622E+21	6,497506E+21	4,760995E+21	2,260904E+21	5,200310E+20	4,842470E+18	0,000000E+00	0,000000E+00	4,843506E+18	5,201735E+20
1132	2,261172E+21	4,761237E+21	6,497329E+21	6,497303E+21	4,761168E+21	2,261138E+21	5,201748E+20	4,844341E+18	0,000000E+00	0,000000E+00	4,843313E+18	5,200259E+20
1133	2,260842E+21	4,760873E+21	6,497351E+21	6,497467E+21	4,761201E+21	2,261107E+21	5,201402E+20	4,848649E+18	0,000000E+00	0,000000E+00	4,848804E+18	5,201796E+20
1134	2,261099E+21	4,761030E+21	6,497180E+21	6,497062E+21	4,760742E+21	2,260891E+21	5,200963E+20	4,846225E+18	0,000000E+00	0,000000E+00	4,847728E+18	5,201706E+20
1135	2,260964E+21	4,760628E+21	6,496638E+21	6,496792E+21	4,760871E+21	2,261126E+21	5,202614E+20	4,852745E+18	0,000000E+00	0,000000E+00	4,851509E+18	5,201016E+20
1136	2,260810E+21	4,760540E+21	6,496686E+21	6,496676E+21	4,760537E+21	2,260842E+21	5,201311E+20	4,852839E+18	0,000000E+00	0,000000E+00	4,855282E+18	5,202798E+20
1137	2,261049E+21	4,760593E+21	6,496386E+21	6,496159E+21	4,760166E+21	2,260784E+21	5,201844E+20	4,853550E+18	0,000000E+00	0,000000E+00	4,854471E+18	5,201723E+20
1138	2,260738E+21	4,760081E+21	6,496073E+21	6,496213E+21	4,760379E+21	2,260971E+21	5,202932E+20	4,859466E+18	0,000000E+00	0,000000E+00	4,858093E+18	5,201857E+20
1139	2,260773E+21	4,760202E+21	6,496188E+21	6,496141E+21	4,760019E+21	2,260640E+21	5,201510E+20	4,857633E+18	0,000000E+00	0,000000E+00	4,859943E+18	5,203126E+20
1140	2,260913E+21	4,760144E+21	6,495817E+21	6,495756E+21	4,760032E+21	2,260831E+21	5,202759E+20	4,859483E+18	0,000000E+00	0,000000E+00	4,857864E+18	5,201640E+20

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												
1141	2,260593E+21	4,759781E+21	6,495820E+21	6,496012E+21	4,760217E+21	2,260892E+21	5,202742E+20	4,861146E+18	0,000000E+00	0,000000E+00	4,860835E+18	5,202612E+20
1142	2,260876E+21	4,760199E+21	6,496011E+21	6,495894E+21	4,759901E+21	2,260653E+21	5,201694E+20	4,858021E+18	0,000000E+00	0,000000E+00	4,858783E+18	5,202716E+20
1143	2,260847E+21	4,760097E+21	6,495836E+21	6,495892E+21	4,760228E+21	2,260950E+21	5,203087E+20	4,858413E+18	0,000000E+00	0,000000E+00	4,855190E+18	5,201228E+20
1144	2,260646E+21	4,760110E+21	6,496255E+21	6,496303E+21	4,760301E+21	2,260816E+21	5,201859E+20	4,857281E+18	0,000000E+00	0,000000E+00	4,858126E+18	5,202722E+20
1145	2,260979E+21	4,760466E+21	6,496365E+21	6,496237E+21	4,760192E+21	2,260759E+21	5,201543E+20	4,852706E+18	0,000000E+00	0,000000E+00	4,852096E+18	5,201787E+20
1146	2,260811E+21	4,760259E+21	6,496284E+21	6,496511E+21	4,760673E+21	2,261056E+21	5,202640E+20	4,853791E+18	0,000000E+00	0,000000E+00	4,852643E+18	5,201294E+20
1147	2,260860E+21	4,760587E+21	6,496746E+21	6,496762E+21	4,760568E+21	2,260812E+21	5,200977E+20	4,851347E+18	0,000000E+00	0,000000E+00	4,852862E+18	5,202643E+20
1148	2,261120E+21	4,760846E+21	6,496746E+21	6,496577E+21	4,760570E+21	2,260934E+21	5,201644E+20	4,847870E+18	0,000000E+00	0,000000E+00	4,847153E+18	5,200984E+20
1149	2,260813E+21	4,760519E+21	6,496783E+21	6,496931E+21	4,760875E+21	2,261082E+21	5,202206E+20	4,852493E+18	0,000000E+00	0,000000E+00	4,851468E+18	5,201455E+20
1150	2,260986E+21	4,760847E+21	6,497002E+21	6,496914E+21	4,760598E+21	2,260806E+21	5,200868E+20	4,849177E+18	0,000000E+00	0,000000E+00	4,849791E+18	5,202132E+20
1151	2,261000E+21	4,760687E+21	6,496622E+21	6,496614E+21	4,760705E+21	2,261035E+21	5,202380E+20	4,851518E+18	0,000000E+00	0,000000E+00	4,850365E+18	5,200860E+20
1152	2,260718E+21	4,760343E+21	6,496591E+21	6,496705E+21	4,760661E+21	2,260960E+21	5,201890E+20	4,855101E+18	0,000000E+00	0,000000E+00	4,855987E+18	5,202459E+20
1153	2,260998E+21	4,760543E+21	6,496447E+21	6,496301E+21	4,760190E+21	2,260724E+21	5,201333E+20	4,852227E+18	0,000000E+00	0,000000E+00	4,854639E+18	5,202297E+20
1154	2,260848E+21	4,760148E+21	6,495933E+21	6,496030E+21	4,760308E+21	2,260966E+21	5,203072E+20	4,859153E+18	0,000000E+00	0,000000E+00	4,858279E+18	5,201570E+20
1155	2,260685E+21	4,760053E+21	6,496045E+21	6,496026E+21	4,760034E+21	2,260698E+21	5,201847E+20	4,859640E+18	0,000000E+00	0,000000E+00	4,861455E+18	5,203196E+20
1156	2,260901E+21	4,760112E+21	6,495769E+21	6,495535E+21	4,759698E+21	2,260656E+21	5,202397E+20	4,860630E+18	0,000000E+00	0,000000E+00	4,860871E+18	5,202176E+20
1157	2,260565E+21	4,759503E+21	6,495347E+21	6,495547E+21	4,759917E+21	2,260854E+21	5,203537E+20	4,866649E+18	0,000000E+00	0,000000E+00	4,864628E+18	5,202377E+20
1158	2,260642E+21	4,759680E+21	6,495453E+21	6,495433E+21	4,759579E+21	2,260549E+21	5,202099E+20	4,864527E+18	0,000000E+00	0,000000E+00	4,866807E+18	5,203663E+20
1159	2,260789E+21	4,759662E+21	6,495131E+21	6,495040E+21	4,759543E+21	2,260723E+21	5,203335E+20	4,865933E+18	0,000000E+00	0,000000E+00	4,864161E+18	5,202176E+20
1160	2,260500E+21	4,759369E+21	6,495201E+21	6,495340E+21	4,759706E+21	2,260743E+21	5,203142E+20	4,866785E+18	0,000000E+00	0,000000E+00	4,866764E+18	5,203049E+20
1161	2,260763E+21	4,759786E+21	6,495448E+21	6,495308E+21	4,759443E+21	2,260505E+21	5,201989E+20	4,863155E+18	0,000000E+00	0,000000E+00	4,864241E+18	5,203093E+20
1162	2,260708E+21	4,759644E+21	6,495265E+21	6,495336E+21	4,759811E+21	2,260824E+21	5,203428E+20	4,863458E+18	0,000000E+00	0,000000E+00	4,860913E+18	5,201729E+20
1163	2,260536E+21	4,759661E+21	6,495680E+21	6,495783E+21	4,759937E+21	2,260717E+21	5,202243E+20	4,862462E+18	0,000000E+00	0,000000E+00	4,863402E+18	5,203175E+20
1164	2,260893E+21	4,760087E+21	6,495818E+21	6,495682E+21	4,759807E+21	2,260666E+21	5,201934E+20	4,857619E+18	0,000000E+00	0,000000E+00	4,857175E+18	5,202247E+20
1165	2,260719E+21	4,759858E+21	6,495707E+21	6,495927E+21	4,760255E+21	2,260947E+21	5,203087E+20	4,859232E+18	0,000000E+00	0,000000E+00	4,857703E+18	5,201678E+20
1166	2,260773E+21	4,760227E+21	6,496197E+21	6,496166E+21	4,760170E+21	2,260725E+21	5,201488E+20	4,857218E+18	0,000000E+00	0,000000E+00	4,858060E+18	5,202940E+20
1167	2,260983E+21	4,760430E+21	6,496214E+21	6,496002E+21	4,760137E+21	2,260831E+21	5,202218E+20	4,854291E+18	0,000000E+00	0,000000E+00	4,852921E+18	5,201389E+20
1168	2,260685E+21	4,760063E+21	6,496184E+21	6,496338E+21	4,760416E+21	2,260941E+21	5,202642E+20	4,858734E+18	0,000000E+00	0,000000E+00	4,857890E+18	5,201948E+20
1169	2,260848E+21	4,760336E+21	6,496319E+21	6,496265E+21	4,760138E+21	2,260670E+21	5,201246E+20	4,855067E+18	0,000000E+00	0,000000E+00	4,856620E+18	5,202721E+20
1170	2,260874E+21	4,760165E+21	6,495892E+21	6,495888E+21	4,760192E+21	2,260901E+21	5,202839E+20	4,857717E+18	0,000000E+00	0,000000E+00	4,857631E+18	5,201556E+20
1171	2,260622E+21	4,759860E+21	6,495890E+21	6,495997E+21	4,760147E+21	2,260825E+21	5,202397E+20	4,861478E+18	0,000000E+00	0,000000E+00	4,862304E+18	5,202942E+20
1172	2,260882E+21	4,760101E+21	6,495808E+21	6,495597E+21	4,759665E+21	2,260587E+21	5,201872E+20	4,859002E+18	0,000000E+00	0,000000E+00	4,860906E+18	5,202706E+20
1173	2,260682E+21	4,759606E+21	6,495242E+21	6,495340E+21	4,759782E+21	2,260819E+21	5,203667E+20	4,866611E+18	0,000000E+00	0,000000E+00	4,864570E+18	5,201963E+20
1174	2,260519E+21	4,759500E+21	6,495316E+21	6,495335E+21	4,759573E+21	2,260587E+21	5,202474E+20	4,867162E+18	0,000000E+00	0,000000E+00	4,868443E+18	5,203663E+20
1175	2,260728E+21	4,759536E+21	6,495029E+21	6,494824E+21	4,759211E+21	2,260546E+21	5,203032E+20	4,868051E+18	0,000000E+00	0,000000E+00	4,868126E+18	5,202823E+20
1176	2,260457E+21	4,758996E+21	6,494610E+21	6,494812E+21	4,759387E+21	2,260706E+21	5,203982E+20	4,872842E+18	0,000000E+00	0,000000E+00	4,871549E+18	5,202997E+20

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	2,260547E+21	4,759235E+21	6,494784E+21	6,494742E+21	4,759081E+21	2,260405E+21	5,202454E+20	4,870048E+18	0,000000E+00	0,000000E+00	4,873233E+18	5,204185E+20
1178	2,260681E+21	4,759238E+21	6,494524E+21	6,494390E+21	4,759055E+21	2,260590E+21	5,203727E+20	4,871280E+18	0,000000E+00	0,000000E+00	4,870071E+18	5,202676E+20
1179	2,260390E+21	4,758947E+21	6,494654E+21	6,494802E+21	4,759285E+21	2,260623E+21	5,203570E+20	4,872301E+18	0,000000E+00	0,000000E+00	4,871935E+18	5,203381E+20
1180	2,260636E+21	4,759372E+21	6,494916E+21	6,494792E+21	4,759062E+21	2,260399E+21	5,202399E+20	4,868631E+18	0,000000E+00	0,000000E+00	4,869455E+18	5,203489E+20
1181	2,260573E+21	4,759163E+21	6,494634E+21	6,494759E+21	4,759412E+21	2,260721E+21	5,203884E+20	4,869088E+18	0,000000E+00	0,000000E+00	4,866224E+18	5,202189E+20
1182	2,260449E+21	4,759259E+21	6,495060E+21	6,495166E+21	4,759549E+21	2,260641E+21	5,202748E+20	4,868250E+18	0,000000E+00	0,000000E+00	4,868929E+18	5,203602E+20
1183	2,260798E+21	4,759714E+21	6,495269E+21	6,495082E+21	4,759370E+21	2,260565E+21	5,202447E+20	4,863433E+18	0,000000E+00	0,000000E+00	4,862518E+18	5,202680E+20
1184	2,260637E+21	4,759505E+21	6,495178E+21	6,495342E+21	4,759786E+21	2,260806E+21	5,203463E+20	4,864733E+18	0,000000E+00	0,000000E+00	4,863142E+18	5,202029E+20
1185	2,260649E+21	4,759825E+21	6,495673E+21	6,495636E+21	4,759749E+21	2,260593E+21	5,201835E+20	4,862573E+18	0,000000E+00	0,000000E+00	4,863682E+18	5,203296E+20
1186	2,260828E+21	4,759945E+21	6,495608E+21	6,495436E+21	4,759714E+21	2,260710E+21	5,202622E+20	4,859962E+18	0,000000E+00	0,000000E+00	4,859429E+18	5,201944E+20
1187	2,260556E+21	4,759553E+21	6,495518E+21	6,495738E+21	4,759997E+21	2,260838E+21	5,203119E+20	4,864679E+18	0,000000E+00	0,000000E+00	4,864077E+18	5,202452E+20
1188	2,260729E+21	4,759862E+21	6,495648E+21	6,495603E+21	4,759673E+21	2,260557E+21	5,201737E+20	4,861090E+18	0,000000E+00	0,000000E+00	4,862877E+18	5,203225E+20
1189	2,260743E+21	4,759648E+21	6,495160E+21	6,495160E+21	4,759669E+21	2,260767E+21	5,203391E+20	4,864520E+18	0,000000E+00	0,000000E+00	4,863928E+18	5,202027E+20
1190	2,260502E+21	4,759391E+21	6,495179E+21	6,495247E+21	4,759635E+21	2,260710E+21	5,203026E+20	4,868697E+18	0,000000E+00	0,000000E+00	4,868768E+18	5,203341E+20
1191	2,260718E+21	4,759583E+21	6,495128E+21	6,494891E+21	4,759130E+21	2,260451E+21	5,202525E+20	4,866731E+18	0,000000E+00	0,000000E+00	4,867982E+18	5,203265E+20
1192	2,260548E+21	4,759078E+21	6,494516E+21	6,494629E+21	4,759241E+21	2,260651E+21	5,204114E+20	4,873579E+18	0,000000E+00	0,000000E+00	4,872000E+18	5,202607E+20
1193	2,260393E+21	4,758973E+21	6,494576E+21	6,494617E+21	4,759058E+21	2,260439E+21	5,202888E+20	4,873438E+18	0,000000E+00	0,000000E+00	4,876108E+18	5,204362E+20
1194	2,260618E+21	4,759034E+21	6,494302E+21	6,494099E+21	4,758681E+21	2,260404E+21	5,203466E+20	4,874191E+18	0,000000E+00	0,000000E+00	4,875550E+18	5,203544E+20
1195	2,260371E+21	4,758559E+21	6,493970E+21	6,494156E+21	4,758897E+21	2,260574E+21	5,204436E+20	4,878683E+18	0,000000E+00	0,000000E+00	4,877497E+18	5,203425E+20
1196	2,260429E+21	4,758827E+21	6,494221E+21	6,494136E+21	4,758620E+21	2,260287E+21	5,202938E+20	4,876054E+18	0,000000E+00	0,000000E+00	4,878621E+18	5,204467E+20
1197	2,260512E+21	4,758736E+21	6,493907E+21	6,493814E+21	4,758619E+21	2,260473E+21	5,204257E+20	4,877554E+18	0,000000E+00	0,000000E+00	4,875148E+18	5,202982E+20
1198	2,260244E+21	4,758468E+21	6,493995E+21	6,494193E+21	4,758904E+21	2,260546E+21	5,204146E+20	4,878722E+18	0,000000E+00	0,000000E+00	4,877477E+18	5,203725E+20
1199	2,260486E+21	4,758883E+21	6,494272E+21	6,494183E+21	4,758654E+21	2,260316E+21	5,202968E+20	4,874800E+18	0,000000E+00	0,000000E+00	4,875149E+18	5,204030E+20
1200	2,260498E+21	4,758765E+21	6,494021E+21	6,494141E+21	4,758952E+21	2,260582E+21	5,204200E+20	4,874118E+18	0,000000E+00	0,000000E+00	4,871851E+18	5,202699E+20
1201	2,260379E+21	4,758915E+21	6,494516E+21	6,494583E+21	4,759109E+21	2,260508E+21	5,203050E+20	4,873006E+18	0,000000E+00	0,000000E+00	4,874413E+18	5,204029E+20
1202	2,260700E+21	4,759356E+21	6,494769E+21	6,494547E+21	4,758940E+21	2,260441E+21	5,202790E+20	4,868313E+18	0,000000E+00	0,000000E+00	4,867987E+18	5,203117E+20
1203	2,260527E+21	4,759124E+21	6,494700E+21	6,494872E+21	4,759400E+21	2,260692E+21	5,203866E+20	4,870138E+18	0,000000E+00	0,000000E+00	4,868335E+18	5,202355E+20
1204	2,260509E+21	4,759389E+21	6,495125E+21	6,495128E+21	4,759381E+21	2,260497E+21	5,202279E+20	4,868240E+18	0,000000E+00	0,000000E+00	4,869245E+18	5,203682E+20
1205	2,260674E+21	4,759414E+21	6,494906E+21	6,494808E+21	4,759288E+21	2,260609E+21	5,203147E+20	4,866165E+18	0,000000E+00	0,000000E+00	4,865644E+18	5,202486E+20
1206	2,260454E+21	4,759083E+21	6,494766E+21	6,495001E+21	4,759536E+21	2,260747E+21	5,203723E+20	4,871367E+18	0,000000E+00	0,000000E+00	4,870547E+18	5,202949E+20
1207	2,260604E+21	4,759389E+21	6,494955E+21	6,494873E+21	4,759146E+21	2,260433E+21	5,202358E+20	4,868041E+18	0,000000E+00	0,000000E+00	4,869531E+18	5,203785E+20
1208	2,260638E+21	4,759193E+21	6,494481E+21	6,494431E+21	4,759086E+21	2,260585E+21	5,203814E+20	4,871231E+18	0,000000E+00	0,000000E+00	4,870782E+18	5,202529E+20
1209	2,260363E+21	4,758903E+21	6,494517E+21	6,494566E+21	4,759093E+21	2,260540E+21	5,203453E+20	4,875171E+18	0,000000E+00	0,000000E+00	4,875877E+18	5,203878E+20
1210	2,260562E+21	4,759041E+21	6,494416E+21	6,494209E+21	4,758617E+21	2,260302E+21	5,202978E+20	4,873408E+18	0,000000E+00	0,000000E+00	4,875688E+18	5,203957E+20
1211	2,260422E+21	4,758560E+21	6,493815E+21	6,493957E+21	4,758755E+21	2,260523E+21	5,204600E+20	4,879995E+18	0,000000E+00	0,000000E+00	4,878831E+18	5,203197E+20
1212	2,260279E+21	4,758502E+21	6,493904E+21	6,493945E+21	4,758579E+21	2,260322E+21	5,203412E+20	4,879736E+18	0,000000E+00	0,000000E+00	4,882506E+18	5,204828E+20

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°
1213	2,260480E+21	4,758526E+21	6,493591E+21	6,493408E+21	4,758193E+21	2,260287E+21	5,204061E+20	4,880981E+18	0,000000E+00	0,000000E+00	4,881436E+18	5,203949E+20
1214	2,260241E+21	4,758101E+21	6,493289E+21	6,493473E+21	4,758449E+21	2,260484E+21	5,205098E+20	4,885634E+18	0,000000E+00	0,000000E+00	4,883129E+18	5,203706E+20
1215	2,260248E+21	4,758315E+21	6,493590E+21	6,493523E+21	4,758165E+21	2,260177E+21	5,203583E+20	4,883204E+18	0,000000E+00	0,000000E+00	4,884612E+18	5,204905E+20
1216	2,260375E+21	4,758227E+21	6,493221E+21	6,493169E+21	4,758143E+21	2,260325E+21	5,204645E+20	4,883590E+18	0,000000E+00	0,000000E+00	4,881315E+18	5,203524E+20
1217	2,260136E+21	4,758016E+21	6,493341E+21	6,493545E+21	4,758442E+21	2,260413E+21	5,204492E+20	4,883925E+18	0,000000E+00	0,000000E+00	4,883923E+18	5,204340E+20
1218	2,260406E+21	4,758487E+21	6,493664E+21	6,493553E+21	4,758191E+21	2,260184E+21	5,203296E+20	4,879746E+18	0,000000E+00	0,000000E+00	4,881245E+18	5,204645E+20
1219	2,260438E+21	4,758448E+21	6,493536E+21	6,493603E+21	4,758530E+21	2,260456E+21	5,204513E+20	4,878842E+18	0,000000E+00	0,000000E+00	4,876885E+18	5,203073E+20
1220	2,260285E+21	4,758593E+21	6,494077E+21	6,494108E+21	4,758725E+21	2,260400E+21	5,203439E+20	4,878135E+18	0,000000E+00	0,000000E+00	4,879140E+18	5,204251E+20
1221	2,260540E+21	4,758897E+21	6,494219E+21	6,494063E+21	4,758576E+21	2,260339E+21	5,203258E+20	4,873962E+18	0,000000E+00	0,000000E+00	4,872983E+18	5,203432E+20
1222	2,260385E+21	4,758658E+21	6,494052E+21	6,494292E+21	4,759052E+21	2,260626E+21	5,204437E+20	4,876395E+18	0,000000E+00	0,000000E+00	4,874046E+18	5,202731E+20
1223	2,260350E+21	4,758875E+21	6,494449E+21	6,494494E+21	4,758957E+21	2,260412E+21	5,202885E+20	4,874615E+18	0,000000E+00	0,000000E+00	4,875400E+18	5,204245E+20
1224	2,260580E+21	4,758954E+21	6,494196E+21	6,494095E+21	4,758772E+21	2,260458E+21	5,203546E+20	4,872015E+18	0,000000E+00	0,000000E+00	4,872153E+18	5,203075E+20
1225	2,260367E+21	4,758674E+21	6,494111E+21	6,494279E+21	4,758996E+21	2,260591E+21	5,204129E+20	4,877178E+18	0,000000E+00	0,000000E+00	4,877183E+18	5,203498E+20
1226	2,260488E+21	4,758949E+21	6,494323E+21	6,494190E+21	4,758607E+21	2,260275E+21	5,202799E+20	4,874236E+18	0,000000E+00	0,000000E+00	4,876457E+18	5,204371E+20
1227	2,260514E+21	4,758740E+21	6,493889E+21	6,493823E+21	4,758592E+21	2,260427E+21	5,204238E+20	4,877762E+18	0,000000E+00	0,000000E+00	4,877425E+18	5,203039E+20
1228	2,260221E+21	4,758405E+21	6,493863E+21	6,493943E+21	4,758635E+21	2,260411E+21	5,203955E+20	4,881812E+18	0,000000E+00	0,000000E+00	4,882564E+18	5,204374E+20
1229	2,260402E+21	4,758466E+21	6,493651E+21	6,493516E+21	4,758144E+21	2,260189E+21	5,203591E+20	4,880604E+18	0,000000E+00	0,000000E+00	4,882699E+18	5,204539E+20
1230	2,260306E+21	4,758066E+21	6,493045E+21	6,493195E+21	4,758273E+21	2,260430E+21	5,205302E+20	4,887461E+18	0,000000E+00	0,000000E+00	4,885414E+18	5,203644E+20
1231	2,260120E+21	4,757984E+21	6,493201E+21	6,493226E+21	4,758070E+21	2,260214E+21	5,204146E+20	4,887291E+18	0,000000E+00	0,000000E+00	4,888967E+18	5,205276E+20
1232	2,260340E+21	4,758018E+21	6,492890E+21	6,492701E+21	4,757656E+21	2,260126E+21	5,204546E+20	4,887817E+18	0,000000E+00	0,000000E+00	4,887869E+18	5,204392E+20
1233	2,260089E+21	4,757594E+21	6,492604E+21	6,492792E+21	4,757941E+21	2,260329E+21	5,205519E+20	4,891682E+18	0,000000E+00	0,000000E+00	4,889751E+18	5,204229E+20
1234	2,260102E+21	4,757790E+21	6,492889E+21	6,492858E+21	4,757693E+21	2,260042E+21	5,203967E+20	4,888951E+18	0,000000E+00	0,000000E+00	4,891406E+18	5,205562E+20
1235	2,260280E+21	4,757798E+21	6,492621E+21	6,492561E+21	4,757694E+21	2,260191E+21	5,204946E+20	4,888567E+18	0,000000E+00	0,000000E+00	4,887048E+18	5,204081E+20
1236	2,260066E+21	4,757668E+21	6,492814E+21	6,492984E+21	4,758022E+21	2,260293E+21	5,204836E+20	4,888764E+18	0,000000E+00	0,000000E+00	4,889030E+18	5,204719E+20
1237	2,260305E+21	4,758111E+21	6,493129E+21	6,493014E+21	4,757804E+21	2,260085E+21	5,203745E+20	4,885052E+18	0,000000E+00	0,000000E+00	4,885878E+18	5,204964E+20
1238	2,260337E+21	4,758104E+21	6,493023E+21	6,493076E+21	4,758181E+21	2,260382E+21	5,205059E+20	4,884668E+18	0,000000E+00	0,000000E+00	4,881574E+18	5,203293E+20
1239	2,260125E+21	4,758150E+21	6,493554E+21	6,493620E+21	4,758373E+21	2,260319E+21	5,204028E+20	4,884379E+18	0,000000E+00	0,000000E+00	4,884443E+18	5,204629E+20
1240	2,260410E+21	4,758416E+21	6,493575E+21	6,493472E+21	4,758164E+21	2,260214E+21	5,203638E+20	4,879529E+18	0,000000E+00	0,000000E+00	4,879023E+18	5,203968E+20
1241	2,260282E+21	4,758214E+21	6,493387E+21	6,493614E+21	4,758580E+21	2,260498E+21	5,204826E+20	4,881767E+18	0,000000E+00	0,000000E+00	4,880774E+18	5,203372E+20
1242	2,260259E+21	4,758438E+21	6,493786E+21	6,493798E+21	4,758451E+21	2,260271E+21	5,203281E+20	4,880125E+18	0,000000E+00	0,000000E+00	4,882034E+18	5,204871E+20
1243	2,260495E+21	4,758575E+21	6,493635E+21	6,493454E+21	4,758267E+21	2,260302E+21	5,203917E+20	4,877784E+18	0,000000E+00	0,000000E+00	4,878167E+18	5,203536E+20
1244	2,260251E+21	4,758272E+21	6,493571E+21	6,493686E+21	4,758515E+21	2,260443E+21	5,204586E+20	4,883491E+18	0,000000E+00	0,000000E+00	4,882988E+18	5,203828E+20
1245	2,260312E+21	4,758409E+21	6,493650E+21	6,493568E+21	4,758160E+21	2,260153E+21	5,203388E+20	4,881304E+18	0,000000E+00	0,000000E+00	4,882798E+18	5,204813E+20
1246	2,260359E+21	4,758198E+21	6,493137E+21	6,493133E+21	4,758166E+21	2,260340E+21	5,204918E+20	4,885386E+18	0,000000E+00	0,000000E+00	4,884199E+18	5,203522E+20
1247	2,260052E+21	4,757830E+21	6,493111E+21	6,493234E+21	4,758155E+21	2,260309E+21	5,204673E+20	4,889330E+18	0,000000E+00	0,000000E+00	4,889608E+18	5,204968E+20
1248	2,260279E+21	4,757923E+21	6,492855E+21	6,492731E+21	4,757593E+21	2,260034E+21	5,204112E+20	4,887646E+18	0,000000E+00	0,000000E+00	4,889995E+18	5,205127E+20

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	2,260184E+21	4,757583E+21	6,492325E+21	6,492414E+21	4,757707E+21	2,260278E+21	5,205803E+20	4,893952E+18	0,000000E+00	0,000000E+00	4,892499E+18	5,204215E+20
1250	2,259977E+21	4,757471E+21	6,492508E+21	6,492506E+21	4,757521E+21	2,260056E+21	5,204628E+20	4,893827E+18	0,000000E+00	0,000000E+00	4,896006E+18	5,205833E+20
1251	2,260201E+21	4,757534E+21	6,492259E+21	6,492058E+21	4,757162E+21	2,259968E+21	5,204920E+20	4,893949E+18	0,000000E+00	0,000000E+00	4,894306E+18	5,204947E+20
1252	2,259971E+21	4,757129E+21	6,491970E+21	6,492164E+21	4,757484E+21	2,260192E+21	5,205893E+20	4,897307E+18	0,000000E+00	0,000000E+00	4,895785E+18	5,204739E+20
1253	2,259986E+21	4,757309E+21	6,492210E+21	6,492209E+21	4,757256E+21	2,259932E+21	5,204439E+20	4,894799E+18	0,000000E+00	0,000000E+00	4,897248E+18	5,206098E+20
1254	2,260210E+21	4,757432E+21	6,492021E+21	6,491941E+21	4,757293E+21	2,260102E+21	5,205463E+20	4,894448E+18	0,000000E+00	0,000000E+00	4,892171E+18	5,204425E+20
1255	2,259949E+21	4,757292E+21	6,492318E+21	6,492452E+21	4,757625E+21	2,260201E+21	5,205412E+20	4,894837E+18	0,000000E+00	0,000000E+00	4,894008E+18	5,205026E+20
1256	2,260185E+21	4,757700E+21	6,492593E+21	6,492484E+21	4,757401E+21	2,259960E+21	5,204155E+20	4,890741E+18	0,000000E+00	0,000000E+00	4,890959E+18	5,205262E+20
1257	2,260196E+21	4,757673E+21	6,492472E+21	6,492527E+21	4,757783E+21	2,260268E+21	5,205452E+20	4,889905E+18	0,000000E+00	0,000000E+00	4,887417E+18	5,203753E+20
1258	2,259986E+21	4,757657E+21	6,492917E+21	6,493025E+21	4,757968E+21	2,260212E+21	5,204426E+20	4,889666E+18	0,000000E+00	0,000000E+00	4,890612E+18	5,205186E+20
1259	2,260308E+21	4,757998E+21	6,492990E+21	6,492869E+21	4,757731E+21	2,260088E+21	5,203955E+20	4,884418E+18	0,000000E+00	0,000000E+00	4,884775E+18	5,204527E+20
1260	2,260208E+21	4,757844E+21	6,492821E+21	6,492995E+21	4,758126E+21	2,260367E+21	5,205196E+20	4,887039E+18	0,000000E+00	0,000000E+00	4,886222E+18	5,203773E+20
1261	2,260146E+21	4,758009E+21	6,493182E+21	6,493172E+21	4,758008E+21	2,260158E+21	5,203807E+20	4,886180E+18	0,000000E+00	0,000000E+00	4,887455E+18	5,205262E+20
1262	2,260378E+21	4,758156E+21	6,493040E+21	6,492844E+21	4,757838E+21	2,260195E+21	5,204523E+20	4,884889E+18	0,000000E+00	0,000000E+00	4,883974E+18	5,203862E+20
1263	2,260075E+21	4,757745E+21	6,492938E+21	6,493088E+21	4,758079E+21	2,260333E+21	5,205240E+20	4,890954E+18	0,000000E+00	0,000000E+00	4,889499E+18	5,204328E+20
1264	2,260165E+21	4,757840E+21	6,492882E+21	6,492853E+21	4,757674E+21	2,260014E+21	5,203892E+20	4,888268E+18	0,000000E+00	0,000000E+00	4,890229E+18	5,205453E+20
1265	2,260239E+21	4,757680E+21	6,492375E+21	6,492337E+21	4,757609E+21	2,260196E+21	5,205424E+20	4,892086E+18	0,000000E+00	0,000000E+00	4,892129E+18	5,204267E+20
1266	2,259940E+21	4,757312E+21	6,492349E+21	6,492445E+21	4,757588E+21	2,260157E+21	5,205181E+20	4,895912E+18	0,000000E+00	0,000000E+00	4,897126E+18	5,205602E+20
1267	2,260161E+21	4,757471E+21	6,492214E+21	6,492012E+21	4,757040E+21	2,259868E+21	5,204542E+20	4,894144E+18	0,000000E+00	0,000000E+00	4,896852E+18	5,205644E+20
1268	2,260049E+21	4,757109E+21	6,491702E+21	6,491749E+21	4,757186E+21	2,260120E+21	5,206246E+20	4,900366E+18	0,000000E+00	0,000000E+00	4,898586E+18	5,204597E+20
1269	2,259803E+21	4,756901E+21	6,491786E+21	6,491841E+21	4,757061E+21	2,259934E+21	5,205167E+20	4,900535E+18	0,000000E+00	0,000000E+00	4,902239E+18	5,206301E+20
1270	2,260066E+21	4,757020E+21	6,491534E+21	6,491382E+21	4,756737E+21	2,259874E+21	5,205501E+20	4,900763E+18	0,000000E+00	0,000000E+00	4,900275E+18	5,205403E+20
1271	2,259838E+21	4,756646E+21	6,491326E+21	6,491536E+21	4,757046E+21	2,260091E+21	5,206476E+20	4,903668E+18	0,000000E+00	0,000000E+00	4,901567E+18	5,205245E+20
1272	2,259899E+21	4,756884E+21	6,491570E+21	6,491558E+21	4,756800E+21	2,259805E+21	5,204883E+20	4,900743E+18	0,000000E+00	0,000000E+00	4,902972E+18	5,206536E+20
1273	2,260114E+21	4,757068E+21	6,491495E+21	6,491340E+21	4,756838E+21	2,259981E+21	5,205881E+20	4,899793E+18	0,000000E+00	0,000000E+00	4,897861E+18	5,204861E+20
1274	2,259827E+21	4,756874E+21	6,491791E+21	6,491917E+21	4,757208E+21	2,260079E+21	5,205823E+20	4,900318E+18	0,000000E+00	0,000000E+00	4,899705E+18	5,205415E+20
1275	2,260052E+21	4,757282E+21	6,492079E+21	6,491979E+21	4,757024E+21	2,259840E+21	5,204460E+20	4,895851E+18	0,000000E+00	0,000000E+00	4,896451E+18	5,205715E+20
1276	2,260084E+21	4,757249E+21	6,491910E+21	6,491972E+21	4,757390E+21	2,260157E+21	5,205780E+20	4,894792E+18	0,000000E+00	0,000000E+00	4,892896E+18	5,204217E+20
1277	2,259880E+21	4,757197E+21	6,492258E+21	6,492390E+21	4,757554E+21	2,260117E+21	5,204896E+20	4,895167E+18	0,000000E+00	0,000000E+00	4,896095E+18	5,205668E+20
1278	2,260228E+21	4,757610E+21	6,492374E+21	6,492235E+21	4,757317E+21	2,259996E+21	5,204498E+20	4,890528E+18	0,000000E+00	0,000000E+00	4,890047E+18	5,204889E+20
1279	2,260087E+21	4,757435E+21	6,492282E+21	6,492419E+21	4,757680E+21	2,260250E+21	5,205760E+20	4,893597E+18	0,000000E+00	0,000000E+00	4,891892E+18	5,204163E+20
1280	2,260015E+21	4,757532E+21	6,492545E+21	6,492537E+21	4,757530E+21	2,260013E+21	5,204284E+20	4,892727E+18	0,000000E+00	0,000000E+00	4,893656E+18	5,205688E+20
1281	2,260232E+21	4,757657E+21	6,492385E+21	6,492181E+21	4,757350E+21	2,260059E+21	5,204973E+20	4,891292E+18	0,000000E+00	0,000000E+00	4,891278E+18	5,204481E+20
1282	2,259935E+21	4,757197E+21	6,492205E+21	6,492379E+21	4,757578E+21	2,260199E+21	5,205703E+20	4,897329E+18	0,000000E+00	0,000000E+00	4,896892E+18	5,204971E+20
1283	2,260049E+21	4,757361E+21	6,492196E+21	6,492136E+21	4,757158E+21	2,259868E+21	5,204300E+20	4,894373E+18	0,000000E+00	0,000000E+00	4,897369E+18	5,206084E+20
1284	2,260140E+21	4,757231E+21	6,491717E+21	6,491623E+21	4,757081E+21	2,260051E+21	5,205882E+20	4,898433E+18	0,000000E+00	0,000000E+00	4,898604E+18	5,204748E+20

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	2,259803E+21	4,756798E+21	6,491637E+21	6,491727E+21	4,757083E+21	2,260035E+21	5,205785E+20	4,902776E+18	0,000000E+00	0,000000E+00	4,903329E+18	5,206018E+20
1286	2,260013E+21	4,756961E+21	6,491523E+21	6,491343E+21	4,756573E+21	2,259756E+21	5,205209E+20	4,901792E+18	0,000000E+00	0,000000E+00	4,903109E+18	5,206022E+20
1287	2,259868E+21	4,756545E+21	6,491012E+21	6,491103E+21	4,756718E+21	2,259999E+21	5,206870E+20	4,907743E+18	0,000000E+00	0,000000E+00	4,905061E+18	5,205129E+20
1288	2,259666E+21	4,756339E+21	6,491003E+21	6,491097E+21	4,756556E+21	2,259799E+21	5,205678E+20	4,907345E+18	0,000000E+00	0,000000E+00	4,909154E+18	5,206895E+20
1289	2,259966E+21	4,756563E+21	6,490849E+21	6,490650E+21	4,756207E+21	2,259738E+21	5,205955E+20	4,906894E+18	0,000000E+00	0,000000E+00	4,907201E+18	5,206045E+20
1290	2,259748E+21	4,756223E+21	6,490704E+21	6,490877E+21	4,756554E+21	2,259953E+21	5,206898E+20	4,909412E+18	0,000000E+00	0,000000E+00	4,907783E+18	5,205722E+20
1291	2,259798E+21	4,756530E+21	6,491080E+21	6,490999E+21	4,756362E+21	2,259673E+21	5,205239E+20	4,906228E+18	0,000000E+00	0,000000E+00	4,908564E+18	5,206919E+20
1292	2,259993E+21	4,756675E+21	6,491009E+21	6,490844E+21	4,756442E+21	2,259860E+21	5,206229E+20	4,904915E+18	0,000000E+00	0,000000E+00	4,902782E+18	5,205159E+20
1293	2,259676E+21	4,756380E+21	6,491174E+21	6,491386E+21	4,756863E+21	2,259998E+21	5,206283E+20	4,905729E+18	0,000000E+00	0,000000E+00	4,904872E+18	5,205789E+20
1294	2,259931E+21	4,756824E+21	6,491448E+21	6,491415E+21	4,756674E+21	2,259770E+21	5,204968E+20	4,901549E+18	0,000000E+00	0,000000E+00	4,901539E+18	5,206094E+20
1295	2,259965E+21	4,756811E+21	6,491317E+21	6,491392E+21	4,756978E+21	2,260062E+21	5,206282E+20	4,900400E+18	0,000000E+00	0,000000E+00	4,898214E+18	5,204683E+20
1296	2,259797E+21	4,756789E+21	6,491621E+21	6,491732E+21	4,757095E+21	2,259996E+21	5,205329E+20	4,900844E+18	0,000000E+00	0,000000E+00	4,901596E+18	5,206086E+20
1297	2,260134E+21	4,757245E+21	6,491829E+21	6,491601E+21	4,756825E+21	2,259864E+21	5,204928E+20	4,896236E+18	0,000000E+00	0,000000E+00	4,896181E+18	5,205380E+20
1298	2,259967E+21	4,756995E+21	6,491704E+21	6,491833E+21	4,757212E+21	2,260105E+21	5,206166E+20	4,899667E+18	0,000000E+00	0,000000E+00	4,898361E+18	5,204646E+20
1299	2,259887E+21	4,757088E+21	6,491957E+21	6,491946E+21	4,757084E+21	2,259874E+21	5,204643E+20	4,898595E+18	0,000000E+00	0,000000E+00	4,900340E+18	5,206268E+20
1300	2,260118E+21	4,757185E+21	6,491740E+21	6,491536E+21	4,756874E+21	2,259924E+21	5,205364E+20	4,897238E+18	0,000000E+00	0,000000E+00	4,898045E+18	5,205056E+20
1301	2,259818E+21	4,756684E+21	6,491466E+21	6,491660E+21	4,757093E+21	2,260088E+21	5,206261E+20	4,903803E+18	0,000000E+00	0,000000E+00	4,903429E+18	5,205487E+20
1302	2,259932E+21	4,756886E+21	6,491496E+21	6,491433E+21	4,756678E+21	2,259763E+21	5,204970E+20	4,901746E+18	0,000000E+00	0,000000E+00	4,903685E+18	5,206451E+20
1303	2,259972E+21	4,756713E+21	6,491062E+21	6,490962E+21	4,756574E+21	2,259928E+21	5,206573E+20	4,906185E+18	0,000000E+00	0,000000E+00	4,905046E+18	5,205173E+20
1304	2,259634E+21	4,756213E+21	6,490857E+21	6,490986E+21	4,756555E+21	2,259891E+21	5,206386E+20	4,910308E+18	0,000000E+00	0,000000E+00	4,910154E+18	5,206479E+20
1305	2,259846E+21	4,756388E+21	6,490755E+21	6,490584E+21	4,756032E+21	2,259617E+21	5,205747E+20	4,908913E+18	0,000000E+00	0,000000E+00	4,910780E+18	5,206696E+20
1306	2,259734E+21	4,755985E+21	6,490238E+21	6,490355E+21	4,756179E+21	2,259848E+21	5,207312E+20	4,914169E+18	0,000000E+00	0,000000E+00	4,912320E+18	5,205789E+20
1307	2,259573E+21	4,755907E+21	6,490347E+21	6,490394E+21	4,756036E+21	2,259647E+21	5,206051E+20	4,913172E+18	0,000000E+00	0,000000E+00	4,915925E+18	5,207502E+20
1308	2,259886E+21	4,756185E+21	6,490290E+21	6,490037E+21	4,755730E+21	2,259599E+21	5,206311E+20	4,912370E+18	0,000000E+00	0,000000E+00	4,912872E+18	5,206469E+20
1309	2,259634E+21	4,755811E+21	6,490139E+21	6,490305E+21	4,756133E+21	2,259847E+21	5,207382E+20	4,915106E+18	0,000000E+00	0,000000E+00	4,912964E+18	5,206037E+20
1310	2,259663E+21	4,756097E+21	6,490522E+21	6,490495E+21	4,756014E+21	2,259595E+21	5,205802E+20	4,912550E+18	0,000000E+00	0,000000E+00	4,913597E+18	5,207177E+20
1311	2,259831E+21	4,756192E+21	6,490433E+21	6,490346E+21	4,756088E+21	2,259776E+21	5,206728E+20	4,910658E+18	0,000000E+00	0,000000E+00	4,908124E+18	5,205618E+20
1312	2,259564E+21	4,755893E+21	6,490458E+21	6,490725E+21	4,756432E+21	2,259894E+21	5,206722E+20	4,911310E+18	0,000000E+00	0,000000E+00	4,910674E+18	5,206288E+20
1313	2,259843E+21	4,756424E+21	6,490825E+21	6,490747E+21	4,756192E+21	2,259652E+21	5,205379E+20	4,906762E+18	0,000000E+00	0,000000E+00	4,907613E+18	5,206660E+20
1314	2,259885E+21	4,756437E+21	6,490753E+21	6,490779E+21	4,756496E+21	2,259919E+21	5,206634E+20	4,905687E+18	0,000000E+00	0,000000E+00	4,904024E+18	5,205116E+20
1315	2,259703E+21	4,756462E+21	6,491144E+21	6,491176E+21	4,756633E+21	2,259852E+21	5,205668E+20	4,906274E+18	0,000000E+00	0,000000E+00	4,907251E+18	5,206489E+20
1316	2,260014E+21	4,756849E+21	6,491322E+21	6,491091E+21	4,756406E+21	2,259729E+21	5,205263E+20	4,901689E+18	0,000000E+00	0,000000E+00	4,901767E+18	5,205762E+20
1317	2,259821E+21	4,756496E+21	6,491054E+21	6,491250E+21	4,756819E+21	2,260009E+21	5,206639E+20	4,905610E+18	0,000000E+00	0,000000E+00	4,904329E+18	5,205107E+20
1318	2,259758E+21	4,756591E+21	6,491274E+21	6,491332E+21	4,756685E+21	2,259795E+21	5,205254E+20	4,905197E+18	0,000000E+00	0,000000E+00	4,906338E+18	5,206690E+20
1319	2,259978E+21	4,756686E+21	6,491067E+21	6,490899E+21	4,756416E+21	2,259820E+21	5,205985E+20	4,904097E+18	0,000000E+00	0,000000E+00	4,904537E+18	5,205585E+20
1320	2,259696E+21	4,756173E+21	6,490697E+21	6,490894E+21	4,756567E+21	2,259962E+21	5,206873E+20	4,910923E+18	0,000000E+00	0,000000E+00	4,910023E+18	5,205945E+20

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	2,259784E+21	4,756385E+21	6,490802E+21	6,490686E+21	4,756109E+21	2,259622E+21	5,205576E+20	4,909003E+18	0,000000E+00	0,000000E+00	4,911078E+18	5,207010E+20
1322	2,259812E+21	4,756148E+21	6,490322E+21	6,490245E+21	4,756020E+21	2,259762E+21	5,207077E+20	4,913477E+18	0,000000E+00	0,000000E+00	4,912507E+18	5,205759E+20
1323	2,259495E+21	4,755700E+21	6,490128E+21	6,490251E+21	4,756013E+21	2,259729E+21	5,206795E+20	4,916856E+18	0,000000E+00	0,000000E+00	4,917705E+18	5,207176E+20
1324	2,259742E+21	4,755901E+21	6,490039E+21	6,489852E+21	4,755492E+21	2,259460E+21	5,206131E+20	4,915143E+18	0,000000E+00	0,000000E+00	4,917835E+18	5,207340E+20
1325	2,259638E+21	4,755521E+21	6,489530E+21	6,489643E+21	4,755681E+21	2,259720E+21	5,207775E+20	4,920200E+18	0,000000E+00	0,000000E+00	4,918596E+18	5,206320E+20
1326	2,259477E+21	4,755501E+21	6,489754E+21	6,489793E+21	4,755600E+21	2,259545E+21	5,206645E+20	4,919823E+18	0,000000E+00	0,000000E+00	4,921582E+18	5,207808E+20
1327	2,259735E+21	4,755738E+21	6,489751E+21	6,489520E+21	4,755320E+21	2,259495E+21	5,206885E+20	4,918887E+18	0,000000E+00	0,000000E+00	4,918251E+18	5,206796E+20
1328	2,259477E+21	4,755301E+21	6,489472E+21	6,489706E+21	4,755724E+21	2,259744E+21	5,207896E+20	4,921272E+18	0,000000E+00	0,000000E+00	4,918481E+18	5,206372E+20
1329	2,259506E+21	4,755605E+21	6,489873E+21	6,489867E+21	4,755582E+21	2,259498E+21	5,206280E+20	4,918328E+18	0,000000E+00	0,000000E+00	4,919741E+18	5,207679E+20
1330	2,259707E+21	4,755711E+21	6,489768E+21	6,489715E+21	4,755639E+21	2,259653E+21	5,207107E+20	4,915819E+18	0,000000E+00	0,000000E+00	4,913904E+18	5,206135E+20
1331	2,259490E+21	4,755549E+21	6,489885E+21	6,490098E+21	4,755971E+21	2,259759E+21	5,207030E+20	4,916179E+18	0,000000E+00	0,000000E+00	4,916358E+18	5,206798E+20
1332	2,259774E+21	4,756104E+21	6,490326E+21	6,490188E+21	4,755752E+21	2,259519E+21	5,205684E+20	4,911540E+18	0,000000E+00	0,000000E+00	4,912641E+18	5,207054E+20
1333	2,259784E+21	4,756072E+21	6,490243E+21	6,490256E+21	4,756095E+21	2,259804E+21	5,207032E+20	4,910996E+18	0,000000E+00	0,000000E+00	4,909163E+18	5,205468E+20
1334	2,259579E+21	4,756047E+21	6,490619E+21	6,490705E+21	4,756284E+21	2,259761E+21	5,206211E+20	4,912597E+18	0,000000E+00	0,000000E+00	4,912560E+18	5,206800E+20
1335	2,259857E+21	4,756362E+21	6,490729E+21	6,490579E+21	4,756037E+21	2,259639E+21	5,205797E+20	4,907954E+18	0,000000E+00	0,000000E+00	4,907869E+18	5,206275E+20
1336	2,259697E+21	4,755981E+21	6,490294E+21	6,490536E+21	4,756350E+21	2,259903E+21	5,207194E+20	4,912191E+18	0,000000E+00	0,000000E+00	4,910929E+18	5,205647E+20
1337	2,259639E+21	4,756119E+21	6,490566E+21	6,490580E+21	4,756152E+21	2,259676E+21	5,205834E+20	4,911822E+18	0,000000E+00	0,000000E+00	4,913475E+18	5,207267E+20
1338	2,259851E+21	4,756196E+21	6,490365E+21	6,490177E+21	4,755866E+21	2,259665E+21	5,206504E+20	4,911006E+18	0,000000E+00	0,000000E+00	4,911704E+18	5,206119E+20
1339	2,259568E+21	4,755719E+21	6,490024E+21	6,490169E+21	4,756005E+21	2,259794E+21	5,207340E+20	4,917710E+18	0,000000E+00	0,000000E+00	4,917144E+18	5,206502E+20
1340	2,259637E+21	4,755863E+21	6,490107E+21	6,490002E+21	4,755583E+21	2,259458E+21	5,205995E+20	4,915567E+18	0,000000E+00	0,000000E+00	4,918153E+18	5,207579E+20
1341	2,259666E+21	4,755592E+21	6,489556E+21	6,489517E+21	4,755509E+21	2,259622E+21	5,207527E+20	4,920003E+18	0,000000E+00	0,000000E+00	4,919471E+18	5,206364E+20
1342	2,259375E+21	4,755188E+21	6,489403E+21	6,489559E+21	4,755528E+21	2,259611E+21	5,207387E+20	4,923725E+18	0,000000E+00	0,000000E+00	4,924120E+18	5,207654E+20
1343	2,259614E+21	4,755429E+21	6,489387E+21	6,489218E+21	4,755031E+21	2,259345E+21	5,206706E+20	4,921931E+18	0,000000E+00	0,000000E+00	4,924147E+18	5,207830E+20
1344	2,259519E+21	4,755056E+21	6,488839E+21	6,488940E+21	4,755194E+21	2,259604E+21	5,208358E+20	4,926939E+18	0,000000E+00	0,000000E+00	4,924480E+18	5,206695E+20
1345	2,259330E+21	4,755045E+21	6,489154E+21	6,489159E+21	4,755123E+21	2,259436E+21	5,207255E+20	4,926556E+18	0,000000E+00	0,000000E+00	4,927929E+18	5,208216E+20
1346	2,259572E+21	4,755219E+21	6,489106E+21	6,488940E+21	4,754889E+21	2,259368E+21	5,207354E+20	4,925162E+18	0,000000E+00	0,000000E+00	4,924408E+18	5,207260E+20
1347	2,259351E+21	4,754853E+21	6,488820E+21	6,489063E+21	4,755277E+21	2,259614E+21	5,208244E+20	4,926606E+18	0,000000E+00	0,000000E+00	4,924786E+18	5,206958E+20
1348	2,259413E+21	4,755181E+21	6,489249E+21	6,489237E+21	4,755129E+21	2,259366E+21	5,206576E+20	4,923195E+18	0,000000E+00	0,000000E+00	4,925432E+18	5,208205E+20
1349	2,259627E+21	4,755333E+21	6,489178E+21	6,489100E+21	4,755202E+21	2,259531E+21	5,207441E+20	4,920579E+18	0,000000E+00	0,000000E+00	4,919028E+18	5,206576E+20
1350	2,259410E+21	4,755216E+21	6,489406E+21	6,489591E+21	4,755583E+21	2,259657E+21	5,207532E+20	4,921934E+18	0,000000E+00	0,000000E+00	4,921122E+18	5,207056E+20
1351	2,259643E+21	4,755721E+21	6,489864E+21	6,489746E+21	4,755400E+21	2,259423E+21	5,206187E+20	4,917388E+18	0,000000E+00	0,000000E+00	4,917583E+18	5,207382E+20
1352	2,259642E+21	4,755604E+21	6,489621E+21	6,489691E+21	4,755714E+21	2,259706E+21	5,207519E+20	4,917063E+18	0,000000E+00	0,000000E+00	4,914792E+18	5,205869E+20
1353	2,259439E+21	4,755571E+21	6,489982E+21	6,490078E+21	4,755855E+21	2,259668E+21	5,206737E+20	4,918649E+18	0,000000E+00	0,000000E+00	4,919071E+18	5,207333E+20
1354	2,259730E+21	4,755862E+21	6,490036E+21	6,489923E+21	4,755573E+21	2,259513E+21	5,206252E+20	4,913873E+18	0,000000E+00	0,000000E+00	4,914497E+18	5,206842E+20
1355	2,259608E+21	4,755587E+21	6,489639E+21	6,489820E+21	4,755833E+21	2,259758E+21	5,207603E+20	4,918109E+18	0,000000E+00	0,000000E+00	4,917709E+18	5,206241E+20
1356	2,259536E+21	4,755697E+21	6,489942E+21	6,489898E+21	4,755628E+21	2,259522E+21	5,206260E+20	4,917869E+18	0,000000E+00	0,000000E+00	4,919837E+18	5,207740E+20

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	2,259713E+21	4,755711E+21	6,489699E+21	6,489504E+21	4,755363E+21	2,259520E+21	5,206995E+20	4,917644E+18	0,000000E+00	0,000000E+00	4,918294E+18	5,206623E+20
1358	2,259423E+21	4,755200E+21	6,489351E+21	6,489540E+21	4,755539E+21	2,259664E+21	5,207928E+20	4,925000E+18	0,000000E+00	0,000000E+00	4,923684E+18	5,206975E+20
1359	2,259478E+21	4,755307E+21	6,489378E+21	6,489328E+21	4,755110E+21	2,259336E+21	5,206576E+20	4,922706E+18	0,000000E+00	0,000000E+00	4,925224E+18	5,208187E+20
1360	2,259538E+21	4,755044E+21	6,488744E+21	6,488715E+21	4,754969E+21	2,259490E+21	5,208101E+20	4,927171E+18	0,000000E+00	0,000000E+00	4,926421E+18	5,206932E+20
1361	2,259256E+21	4,754717E+21	6,488709E+21	6,488800E+21	4,754977E+21	2,259481E+21	5,208010E+20	4,930825E+18	0,000000E+00	0,000000E+00	4,931178E+18	5,208161E+20
1362	2,259471E+21	4,754934E+21	6,488723E+21	6,488550E+21	4,754526E+21	2,259205E+21	5,207273E+20	4,929107E+18	0,000000E+00	0,000000E+00	4,930858E+18	5,208257E+20
1363	2,259376E+21	4,754606E+21	6,488214E+21	6,488291E+21	4,754706E+21	2,259460E+21	5,208819E+20	4,933352E+18	0,000000E+00	0,000000E+00	4,930983E+18	5,207181E+20
1364	2,259176E+21	4,754532E+21	6,488503E+21	6,488547E+21	4,754678E+21	2,259303E+21	5,207647E+20	4,932372E+18	0,000000E+00	0,000000E+00	4,934115E+18	5,208689E+20
1365	2,259433E+21	4,754705E+21	6,488407E+21	6,488294E+21	4,754462E+21	2,259255E+21	5,207731E+20	4,930433E+18	0,000000E+00	0,000000E+00	4,930266E+18	5,207809E+20
1366	2,259256E+21	4,754418E+21	6,488201E+21	6,488463E+21	4,754858E+21	2,259507E+21	5,208703E+20	4,932047E+18	0,000000E+00	0,000000E+00	4,930053E+18	5,207382E+20
1367	2,259319E+21	4,754799E+21	6,488703E+21	6,488686E+21	4,754737E+21	2,259265E+21	5,207024E+20	4,928584E+18	0,000000E+00	0,000000E+00	4,930490E+18	5,208615E+20
1368	2,259533E+21	4,754957E+21	6,488617E+21	6,488500E+21	4,754776E+21	2,259422E+21	5,207897E+20	4,926220E+18	0,000000E+00	0,000000E+00	4,923978E+18	5,206918E+20
1369	2,259295E+21	4,754844E+21	6,488916E+21	6,489050E+21	4,755166E+21	2,259551E+21	5,208043E+20	4,927960E+18	0,000000E+00	0,000000E+00	4,926835E+18	5,207442E+20
1370	2,259505E+21	4,755261E+21	6,489292E+21	6,489229E+21	4,755026E+21	2,259310E+21	5,206618E+20	4,923227E+18	0,000000E+00	0,000000E+00	4,923476E+18	5,207856E+20
1371	2,259541E+21	4,755199E+21	6,489004E+21	6,489058E+21	4,755275E+21	2,259580E+21	5,207872E+20	4,922481E+18	0,000000E+00	0,000000E+00	4,921325E+18	5,206498E+20
1372	2,259350E+21	4,755146E+21	6,489353E+21	6,489433E+21	4,755390E+21	2,259535E+21	5,207097E+20	4,923890E+18	0,000000E+00	0,000000E+00	4,925200E+18	5,207856E+20
1373	2,259631E+21	4,755443E+21	6,489409E+21	6,489260E+21	4,755098E+21	2,259379E+21	5,206658E+20	4,919455E+18	0,000000E+00	0,000000E+00	4,920616E+18	5,207327E+20
1374	2,259493E+21	4,755157E+21	6,489062E+21	6,489207E+21	4,755365E+21	2,259634E+21	5,208184E+20	4,924954E+18	0,000000E+00	0,000000E+00	4,923556E+18	5,206579E+20
1375	2,259371E+21	4,755190E+21	6,489320E+21	6,489309E+21	4,755194E+21	2,259405E+21	5,206847E+20	4,924820E+18	0,000000E+00	0,000000E+00	4,926021E+18	5,208146E+20
1376	2,259539E+21	4,755127E+21	6,488921E+21	6,488771E+21	4,754873E+21	2,259395E+21	5,207580E+20	4,925073E+18	0,000000E+00	0,000000E+00	4,925069E+18	5,207132E+20
1377	2,259268E+21	4,754642E+21	6,488591E+21	6,488767E+21	4,755004E+21	2,259538E+21	5,208547E+20	4,932307E+18	0,000000E+00	0,000000E+00	4,930990E+18	5,207570E+20
1378	2,259339E+21	4,754751E+21	6,488608E+21	6,488582E+21	4,754583E+21	2,259194E+21	5,207140E+20	4,929850E+18	0,000000E+00	0,000000E+00	4,932541E+18	5,208784E+20
1379	2,259438E+21	4,754608E+21	6,488050E+21	6,487950E+21	4,754414E+21	2,259334E+21	5,208564E+20	4,933836E+18	0,000000E+00	0,000000E+00	4,933626E+18	5,207551E+20
1380	2,259141E+21	4,754264E+21	6,488080E+21	6,488127E+21	4,754458E+21	2,259328E+21	5,208471E+20	4,937138E+18	0,000000E+00	0,000000E+00	4,937735E+18	5,208621E+20
1381	2,259324E+21	4,754437E+21	6,488075E+21	6,487919E+21	4,754065E+21	2,259071E+21	5,207736E+20	4,935513E+18	0,000000E+00	0,000000E+00	4,937398E+18	5,208754E+20
1382	2,259231E+21	4,754095E+21	6,487577E+21	6,487702E+21	4,754290E+21	2,259350E+21	5,209337E+20	4,939735E+18	0,000000E+00	0,000000E+00	4,936972E+18	5,207651E+20
1383	2,259041E+21	4,754020E+21	6,487827E+21	6,487928E+21	4,754270E+21	2,259203E+21	5,208130E+20	4,938302E+18	0,000000E+00	0,000000E+00	4,940105E+18	5,209203E+20
1384	2,259327E+21	4,754231E+21	6,487691E+21	6,487576E+21	4,753989E+21	2,259141E+21	5,208198E+20	4,936262E+18	0,000000E+00	0,000000E+00	4,935839E+18	5,208297E+20
1385	2,259172E+21	4,754052E+21	6,487641E+21	6,487811E+21	4,754379E+21	2,259388E+21	5,209194E+20	4,937851E+18	0,000000E+00	0,000000E+00	4,935731E+18	5,207798E+20
1386	2,259211E+21	4,754406E+21	6,488179E+21	6,488138E+21	4,754317E+21	2,259146E+21	5,207500E+20	4,934569E+18	0,000000E+00	0,000000E+00	4,935837E+18	5,208968E+20
1387	2,259428E+21	4,754604E+21	6,488124E+21	6,487968E+21	4,754363E+21	2,259291E+21	5,208233E+20	4,931576E+18	0,000000E+00	0,000000E+00	4,929664E+18	5,207374E+20
1388	2,259178E+21	4,754426E+21	6,488381E+21	6,488529E+21	4,754778E+21	2,259428E+21	5,208353E+20	4,932993E+18	0,000000E+00	0,000000E+00	4,932434E+18	5,207867E+20
1389	2,259384E+21	4,754808E+21	6,488676E+21	6,488647E+21	4,754641E+21	2,259207E+21	5,206970E+20	4,928175E+18	0,000000E+00	0,000000E+00	4,929088E+18	5,208342E+20
1390	2,259442E+21	4,754779E+21	6,488436E+21	6,488493E+21	4,754873E+21	2,259478E+21	5,208340E+20	4,928099E+18	0,000000E+00	0,000000E+00	4,926792E+18	5,206914E+20
1391	2,259240E+21	4,754717E+21	6,488762E+21	6,488844E+21	4,754981E+21	2,259436E+21	5,207618E+20	4,929863E+18	0,000000E+00	0,000000E+00	4,930641E+18	5,208210E+20
1392	2,259489E+21	4,754964E+21	6,488748E+21	6,488577E+21	4,754622E+21	2,259267E+21	5,207252E+20	4,926267E+18	0,000000E+00	0,000000E+00	4,926498E+18	5,207721E+20

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	2,259342E+21	4,754665E+21	6,488427E+21	6,488533E+21	4,754863E+21	2,259505E+21	5,208802E+20	4,932387E+18	0,000000E+00	0,000000E+00	4,930408E+18	5,207057E+20
1394	2,259205E+21	4,754609E+21	6,488573E+21	6,488615E+21	4,754709E+21	2,259271E+21	5,207410E+20	4,932077E+18	0,000000E+00	0,000000E+00	4,933310E+18	5,208753E+20
1395	2,259424E+21	4,754624E+21	6,488156E+21	6,487977E+21	4,754311E+21	2,259233E+21	5,208002E+20	4,931844E+18	0,000000E+00	0,000000E+00	4,932988E+18	5,207894E+20
1396	2,259173E+21	4,754160E+21	6,487867E+21	6,488000E+21	4,754435E+21	2,259366E+21	5,208938E+20	4,938523E+18	0,000000E+00	0,000000E+00	4,938248E+18	5,208197E+20
1397	2,259232E+21	4,754286E+21	6,487921E+21	6,487854E+21	4,754056E+21	2,259045E+21	5,207602E+20	4,936331E+18	0,000000E+00	0,000000E+00	4,939676E+18	5,209340E+20
1398	2,259309E+21	4,754137E+21	6,487454E+21	6,487333E+21	4,753930E+21	2,259203E+21	5,209144E+20	4,940950E+18	0,000000E+00	0,000000E+00	4,940037E+18	5,207984E+20
1399	2,258979E+21	4,753731E+21	6,487430E+21	6,487537E+21	4,754035E+21	2,259217E+21	5,209039E+20	4,943918E+18	0,000000E+00	0,000000E+00	4,943979E+18	5,209018E+20
1400	2,259148E+21	4,753853E+21	6,487306E+21	6,487204E+21	4,753604E+21	2,258967E+21	5,208302E+20	4,942358E+18	0,000000E+00	0,000000E+00	4,943751E+18	5,209250E+20
1401	2,259094E+21	4,753579E+21	6,486864E+21	6,486970E+21	4,753792E+21	2,259238E+21	5,209884E+20	4,946087E+18	0,000000E+00	0,000000E+00	4,943245E+18	5,208169E+20
1402	2,258928E+21	4,753540E+21	6,487140E+21	6,487252E+21	4,753803E+21	2,259083E+21	5,208617E+20	4,944390E+18	0,000000E+00	0,000000E+00	4,946019E+18	5,209681E+20
1403	2,259256E+21	4,753888E+21	6,487114E+21	6,486913E+21	4,753497E+21	2,259000E+21	5,208553E+20	4,941743E+18	0,000000E+00	0,000000E+00	4,941563E+18	5,208796E+20
1404	2,259087E+21	4,753706E+21	6,487161E+21	6,487277E+21	4,753937E+21	2,259245E+21	5,209521E+20	4,942938E+18	0,000000E+00	0,000000E+00	4,941009E+18	5,208171E+20
1405	2,259098E+21	4,754016E+21	6,487679E+21	6,487655E+21	4,753951E+21	2,259032E+21	5,207855E+20	4,939838E+18	0,000000E+00	0,000000E+00	4,941274E+18	5,209384E+20
1406	2,259306E+21	4,754177E+21	6,487620E+21	6,487505E+21	4,754019E+21	2,259198E+21	5,208648E+20	4,936971E+18	0,000000E+00	0,000000E+00	4,934987E+18	5,207800E+20
1407	2,259066E+21	4,753984E+21	6,487795E+21	6,487995E+21	4,754427E+21	2,259349E+21	5,208788E+20	4,938247E+18	0,000000E+00	0,000000E+00	4,937756E+18	5,208254E+20
1408	2,259266E+21	4,754356E+21	6,488015E+21	6,487983E+21	4,754205E+21	2,259113E+21	5,207470E+20	4,933988E+18	0,000000E+00	0,000000E+00	4,934444E+18	5,208729E+20
1409	2,259329E+21	4,754370E+21	6,487851E+21	6,487834E+21	4,754395E+21	2,259369E+21	5,208911E+20	4,934594E+18	0,000000E+00	0,000000E+00	4,932769E+18	5,207296E+20
1410	2,259097E+21	4,754232E+21	6,488129E+21	6,488224E+21	4,754526E+21	2,259318E+21	5,208198E+20	4,936747E+18	0,000000E+00	0,000000E+00	4,936747E+18	5,208615E+20
1411	2,259355E+21	4,754488E+21	6,488079E+21	6,487898E+21	4,754120E+21	2,259116E+21	5,207681E+20	4,932821E+18	0,000000E+00	0,000000E+00	4,933577E+18	5,208339E+20
1412	2,259215E+21	4,754151E+21	6,487730E+21	6,487845E+21	4,754346E+21	2,259341E+21	5,209150E+20	4,938440E+18	0,000000E+00	0,000000E+00	4,937561E+18	5,207691E+20
1413	2,259092E+21	4,754099E+21	6,487837E+21	6,487882E+21	4,754189E+21	2,259125E+21	5,207814E+20	4,938045E+18	0,000000E+00	0,000000E+00	4,940540E+18	5,209416E+20
1414	2,259325E+21	4,754160E+21	6,487512E+21	6,487308E+21	4,753802E+21	2,259094E+21	5,208492E+20	4,938476E+18	0,000000E+00	0,000000E+00	4,939821E+18	5,208454E+20
1415	2,259063E+21	4,753707E+21	6,487228E+21	6,487343E+21	4,753962E+21	2,259248E+21	5,209482E+20	4,945164E+18	0,000000E+00	0,000000E+00	4,944507E+18	5,208588E+20
1416	2,259072E+21	4,753765E+21	6,487224E+21	6,487146E+21	4,753561E+21	2,258935E+21	5,208268E+20	4,943852E+18	0,000000E+00	0,000000E+00	4,946177E+18	5,209745E+20
1417	2,259142E+21	4,753601E+21	6,486775E+21	6,486657E+21	4,753443E+21	2,259089E+21	5,209811E+20	4,948664E+18	0,000000E+00	0,000000E+00	4,946886E+18	5,208471E+20
1418	2,258811E+21	4,753130E+21	6,486642E+21	6,486836E+21	4,753570E+21	2,259106E+21	5,209652E+20	4,951124E+18	0,000000E+00	0,000000E+00	4,950816E+18	5,209568E+20
1419	2,259035E+21	4,753354E+21	6,486546E+21	6,486425E+21	4,753062E+21	2,258822E+21	5,208735E+20	4,948668E+18	0,000000E+00	0,000000E+00	4,950801E+18	5,209927E+20
1420	2,259012E+21	4,753156E+21	6,486220E+21	6,486268E+21	4,753246E+21	2,259067E+21	5,210193E+20	4,951412E+18	0,000000E+00	0,000000E+00	4,949353E+18	5,208686E+20
1421	2,258838E+21	4,753159E+21	6,486563E+21	6,486621E+21	4,753324E+21	2,258946E+21	5,208998E+20	4,949928E+18	0,000000E+00	0,000000E+00	4,951831E+18	5,210103E+20
1422	2,259144E+21	4,753509E+21	6,486662E+21	6,486448E+21	4,753104E+21	2,258883E+21	5,208981E+20	4,947505E+18	0,000000E+00	0,000000E+00	4,946677E+18	5,209128E+20
1423	2,258956E+21	4,753285E+21	6,486651E+21	6,486828E+21	4,753612E+21	2,259154E+21	5,209933E+20	4,948353E+18	0,000000E+00	0,000000E+00	4,945987E+18	5,208453E+20
1424	2,258945E+21	4,753526E+21	6,487040E+21	6,487079E+21	4,753592E+21	2,258963E+21	5,208361E+20	4,945604E+18	0,000000E+00	0,000000E+00	4,946475E+18	5,209762E+20
1425	2,259183E+21	4,753733E+21	6,487013E+21	6,486905E+21	4,753611E+21	2,259113E+21	5,209156E+20	4,942628E+18	0,000000E+00	0,000000E+00	4,940584E+18	5,208238E+20
1426	2,258955E+21	4,753530E+21	6,487144E+21	6,487379E+21	4,754011E+21	2,259252E+21	5,209293E+20	4,944080E+18	0,000000E+00	0,000000E+00	4,943384E+18	5,208670E+20
1427	2,259175E+21	4,753975E+21	6,487412E+21	6,487316E+21	4,753711E+21	2,258979E+21	5,207867E+20	4,939611E+18	0,000000E+00	0,000000E+00	4,940581E+18	5,209248E+20
1428	2,259226E+21	4,753968E+21	6,487292E+21	6,487229E+21	4,753889E+21	2,259204E+21	5,209247E+20	4,940179E+18	0,000000E+00	0,000000E+00	4,939075E+18	5,207792E+20

1 Longitude \ominus 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°
1429	2,258978E+21	4,753777E+21	6,487499E+21	6,487606E+21	4,754064E+21	2,259178E+21	5,208585E+20	4,942670E+18	0,000000E+00	0,000000E+00	4,943443E+18	5,209192E+20
1430	2,259235E+21	4,754009E+21	6,487451E+21	6,487292E+21	4,753664E+21	2,258986E+21	5,208116E+20	4,939125E+18	0,000000E+00	0,000000E+00	4,940414E+18	5,208966E+20
1431	2,259116E+21	4,753679E+21	6,487047E+21	6,487183E+21	4,753877E+21	2,259216E+21	5,209590E+20	4,944597E+18	0,000000E+00	0,000000E+00	4,944085E+18	5,208205E+20
1432	2,258970E+21	4,753611E+21	6,487114E+21	6,487134E+21	4,753671E+21	2,259009E+21	5,208420E+20	4,944988E+18	0,000000E+00	0,000000E+00	4,947060E+18	5,209878E+20
1433	2,259191E+21	4,753690E+21	6,486864E+21	6,486609E+21	4,753280E+21	2,258975E+21	5,209179E+20	4,946285E+18	0,000000E+00	0,000000E+00	4,946684E+18	5,208867E+20
1434	2,258890E+21	4,753150E+21	6,486519E+21	6,486683E+21	4,753488E+21	2,259136E+21	5,210187E+20	4,953006E+18	0,000000E+00	0,000000E+00	4,951218E+18	5,208998E+20
1435	2,258904E+21	4,753209E+21	6,486469E+21	6,486410E+21	4,753036E+21	2,258795E+21	5,208821E+20	4,951225E+18	0,000000E+00	0,000000E+00	4,953664E+18	5,210337E+20
1436	2,258991E+21	4,753030E+21	6,486007E+21	6,485920E+21	4,752901E+21	2,258931E+21	5,210233E+20	4,954995E+18	0,000000E+00	0,000000E+00	4,953936E+18	5,209093E+20
1437	2,258695E+21	4,752614E+21	6,485877E+21	6,486088E+21	4,753044E+21	2,258960E+21	5,210054E+20	4,956950E+18	0,000000E+00	0,000000E+00	4,957622E+18	5,210173E+20
1438	2,258935E+21	4,752918E+21	6,485925E+21	6,485780E+21	4,752569E+21	2,258683E+21	5,209158E+20	4,954643E+18	0,000000E+00	0,000000E+00	4,956821E+18	5,210439E+20
1439	2,258922E+21	4,752776E+21	6,485672E+21	6,485696E+21	4,752815E+21	2,258946E+21	5,210591E+20	4,956877E+18	0,000000E+00	0,000000E+00	4,954471E+18	5,208998E+20
1440	2,258705E+21	4,752738E+21	6,486008E+21	6,486056E+21	4,752910E+21	2,258849E+21	5,209550E+20	4,956229E+18	0,000000E+00	0,000000E+00	4,957116E+18	5,210425E+20
1441	2,259004E+21	4,753074E+21	6,486119E+21	6,485937E+21	4,752737E+21	2,258797E+21	5,209515E+20	4,953791E+18	0,000000E+00	0,000000E+00	4,952231E+18	5,209515E+20
1442	2,258819E+21	4,752800E+21	6,486010E+21	6,486275E+21	4,753257E+21	2,259077E+21	5,210438E+20	4,954196E+18	0,000000E+00	0,000000E+00	4,951683E+18	5,208911E+20
1443	2,258853E+21	4,753111E+21	6,486390E+21	6,486415E+21	4,753134E+21	2,258847E+21	5,208732E+20	4,950844E+18	0,000000E+00	0,000000E+00	4,952546E+18	5,210317E+20
1444	2,259105E+21	4,753361E+21	6,486440E+21	6,486289E+21	4,753123E+21	2,258961E+21	5,209435E+20	4,947230E+18	0,000000E+00	0,000000E+00	4,946341E+18	5,208732E+20
1445	2,258870E+21	4,753164E+21	6,486577E+21	6,486773E+21	4,753548E+21	2,259118E+21	5,209657E+20	4,949346E+18	0,000000E+00	0,000000E+00	4,949276E+18	5,209112E+20
1446	2,259052E+21	4,753570E+21	6,486913E+21	6,486810E+21	4,753288E+21	2,258852E+21	5,208294E+20	4,945430E+18	0,000000E+00	0,000000E+00	4,946353E+18	5,209692E+20
1447	2,259100E+21	4,753522E+21	6,486708E+21	6,486689E+21	4,753491E+21	2,259086E+21	5,209633E+20	4,945964E+18	0,000000E+00	0,000000E+00	4,944916E+18	5,208189E+20
1448	2,258829E+21	4,753265E+21	6,486795E+21	6,486929E+21	4,753608E+21	2,259079E+21	5,209154E+20	4,949200E+18	0,000000E+00	0,000000E+00	4,949554E+18	5,209668E+20
1449	2,259111E+21	4,753530E+21	6,486769E+21	6,486613E+21	4,753189E+21	2,258878E+21	5,208717E+20	4,946126E+18	0,000000E+00	0,000000E+00	4,947030E+18	5,209457E+20
1450	2,258987E+21	4,753181E+21	6,486329E+21	6,486487E+21	4,753399E+21	2,259108E+21	5,210235E+20	4,951908E+18	0,000000E+00	0,000000E+00	4,950603E+18	5,208665E+20
1451	2,258842E+21	4,753136E+21	6,486415E+21	6,486392E+21	4,753123E+21	2,258872E+21	5,209017E+20	4,952243E+18	0,000000E+00	0,000000E+00	4,954244E+18	5,210406E+20
1452	2,259042E+21	4,753176E+21	6,486194E+21	6,485938E+21	4,752731E+21	2,258805E+21	5,209675E+20	4,953325E+18	0,000000E+00	0,000000E+00	4,954139E+18	5,209438E+20
1453	2,258735E+21	4,752585E+21	6,485743E+21	6,485956E+21	4,752973E+21	2,258991E+21	5,210679E+20	4,959856E+18	0,000000E+00	0,000000E+00	4,958800E+18	5,209637E+20
1454	2,258754E+21	4,752647E+21	6,485729E+21	6,485705E+21	4,752524E+21	2,258656E+21	5,209302E+20	4,957926E+18	0,000000E+00	0,000000E+00	4,961027E+18	5,211011E+20
1455	2,258888E+21	4,752540E+21	6,485273E+21	6,485191E+21	4,752381E+21	2,258785E+21	5,210625E+20	4,960997E+18	0,000000E+00	0,000000E+00	4,960263E+18	5,209595E+20
1456	2,258579E+21	4,752153E+21	6,485178E+21	6,485341E+21	4,752514E+21	2,258833E+21	5,210608E+20	4,963447E+18	0,000000E+00	0,000000E+00	4,963579E+18	5,210598E+20
1457	2,258818E+21	4,752505E+21	6,485346E+21	6,485165E+21	4,752111E+21	2,258570E+21	5,209747E+20	4,961613E+18	0,000000E+00	0,000000E+00	4,962640E+18	5,210790E+20
1458	2,258774E+21	4,752311E+21	6,485082E+21	6,485158E+21	4,752428E+21	2,258847E+21	5,211147E+20	4,963401E+18	0,000000E+00	0,000000E+00	4,960082E+18	5,209374E+20
1459	2,258574E+21	4,752284E+21	6,485389E+21	6,485458E+21	4,752487E+21	2,258738E+21	5,209994E+20	4,962147E+18	0,000000E+00	0,000000E+00	4,963372E+18	5,210936E+20
1460	2,258888E+21	4,752625E+21	6,485513E+21	6,485361E+21	4,752301E+21	2,258664E+21	5,209817E+20	4,958514E+18	0,000000E+00	0,000000E+00	4,958100E+18	5,210051E+20
1461	2,258731E+21	4,752398E+21	6,485385E+21	6,485658E+21	4,752828E+21	2,258959E+21	5,210753E+20	4,958799E+18	0,000000E+00	0,000000E+00	4,957439E+18	5,209404E+20
1462	2,258758E+21	4,752747E+21	6,485878E+21	6,485872E+21	4,752720E+21	2,258731E+21	5,209095E+20	4,955842E+18	0,000000E+00	0,000000E+00	4,957734E+18	5,210727E+20
1463	2,259013E+21	4,753012E+21	6,485940E+21	6,485768E+21	4,752725E+21	2,258845E+21	5,209799E+20	4,952257E+18	0,000000E+00	0,000000E+00	4,951084E+18	5,209012E+20
1464	2,258734E+21	4,752744E+21	6,486016E+21	6,486208E+21	4,753134E+21	2,259018E+21	5,210220E+20	4,955680E+18	0,000000E+00	0,000000E+00	4,954620E+18	5,209472E+20

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°
1465	2,258912E+21	4,753108E+21	6,486306E+21	6,486245E+21	4,752902E+21	2,258762E+21	5,208888E+20	4,952221E+18	0,000000E+00	0,000000E+00	4,952372E+18	5,210147E+20
1466	2,258963E+21	4,753015E+21	6,486014E+21	6,486058E+21	4,753076E+21	2,258991E+21	5,210193E+20	4,952672E+18	0,000000E+00	0,000000E+00	4,951410E+18	5,208742E+20
1467	2,258731E+21	4,752811E+21	6,486085E+21	6,486180E+21	4,753070E+21	2,258938E+21	5,209646E+20	4,955689E+18	0,000000E+00	0,000000E+00	4,956561E+18	5,210263E+20
1468	2,259004E+21	4,753083E+21	6,486114E+21	6,485916E+21	4,752636E+21	2,258708E+21	5,209144E+20	4,952390E+18	0,000000E+00	0,000000E+00	4,954158E+18	5,210005E+20
1469	2,258861E+21	4,752712E+21	6,485655E+21	6,485793E+21	4,752877E+21	2,258961E+21	5,210732E+20	4,958678E+18	0,000000E+00	0,000000E+00	4,957799E+18	5,209187E+20
1470	2,258673E+21	4,752606E+21	6,485767E+21	6,485762E+21	4,752633E+21	2,258731E+21	5,209559E+20	4,959328E+18	0,000000E+00	0,000000E+00	4,961371E+18	5,210940E+20
1471	2,258884E+21	4,752617E+21	6,485451E+21	6,485258E+21	4,752257E+21	2,258672E+21	5,210148E+20	4,960025E+18	0,000000E+00	0,000000E+00	4,960985E+18	5,209951E+20
1472	2,258577E+21	4,752009E+21	6,484929E+21	6,485160E+21	4,752441E+21	2,258870E+21	5,211281E+20	4,966788E+18	0,000000E+00	0,000000E+00	4,965501E+18	5,210200E+20
1473	2,258629E+21	4,752133E+21	6,484975E+21	6,484952E+21	4,752010E+21	2,258532E+21	5,209905E+20	4,965018E+18	0,000000E+00	0,000000E+00	4,967620E+18	5,211518E+20
1474	2,258766E+21	4,752064E+21	6,484577E+21	6,484489E+21	4,751893E+21	2,258664E+21	5,211183E+20	4,967749E+18	0,000000E+00	0,000000E+00	4,966296E+18	5,210060E+20
1475	2,258471E+21	4,751734E+21	6,484558E+21	6,484653E+21	4,751986E+21	2,258687E+21	5,211118E+20	4,969932E+18	0,000000E+00	0,000000E+00	4,969922E+18	5,211075E+20
1476	2,258693E+21	4,752069E+21	6,484786E+21	6,484610E+21	4,751651E+21	2,258418E+21	5,210147E+20	4,967539E+18	0,000000E+00	0,000000E+00	4,968935E+18	5,211294E+20
1477	2,258650E+21	4,751855E+21	6,484459E+21	6,484581E+21	4,752025E+21	2,258730E+21	5,211522E+20	4,968807E+18	0,000000E+00	0,000000E+00	4,966355E+18	5,209928E+20
1478	2,258454E+21	4,751841E+21	6,484814E+21	6,484899E+21	4,752086E+21	2,258631E+21	5,210386E+20	4,967355E+18	0,000000E+00	0,000000E+00	4,969226E+18	5,211461E+20
1479	2,258804E+21	4,752238E+21	6,484937E+21	6,484785E+21	4,751895E+21	2,258548E+21	5,210127E+20	4,963136E+18	0,000000E+00	0,000000E+00	4,962986E+18	5,210399E+20
1480	2,258622E+21	4,752013E+21	6,484809E+21	6,485032E+21	4,752393E+21	2,258858E+21	5,211259E+20	4,964386E+18	0,000000E+00	0,000000E+00	4,962355E+18	5,209716E+20
1481	2,258634E+21	4,752350E+21	6,485348E+21	6,485339E+21	4,752341E+21	2,258641E+21	5,209673E+20	4,962263E+18	0,000000E+00	0,000000E+00	4,962791E+18	5,210998E+20
1482	2,258860E+21	4,752549E+21	6,485359E+21	6,485239E+21	4,752361E+21	2,258752E+21	5,210344E+20	4,958721E+18	0,000000E+00	0,000000E+00	4,956579E+18	5,209409E+20
1483	2,258605E+21	4,752270E+21	6,485362E+21	6,485561E+21	4,752679E+21	2,258895E+21	5,210698E+20	4,961983E+18	0,000000E+00	0,000000E+00	4,961127E+18	5,210036E+20
1484	2,258801E+21	4,752642E+21	6,485658E+21	6,485603E+21	4,752416E+21	2,258613E+21	5,209252E+20	4,957694E+18	0,000000E+00	0,000000E+00	4,959103E+18	5,210774E+20
1485	2,258873E+21	4,752575E+21	6,485333E+21	6,485358E+21	4,752576E+21	2,258846E+21	5,210561E+20	4,958386E+18	0,000000E+00	0,000000E+00	4,958336E+18	5,209345E+20
1486	2,258621E+21	4,752390E+21	6,485498E+21	6,485538E+21	4,752581E+21	2,258800E+21	5,210095E+20	4,961742E+18	0,000000E+00	0,000000E+00	4,963087E+18	5,210768E+20
1487	2,258885E+21	4,752648E+21	6,485511E+21	6,485292E+21	4,752162E+21	2,258567E+21	5,209595E+20	4,958709E+18	0,000000E+00	0,000000E+00	4,960466E+18	5,210392E+20
1488	2,258692E+21	4,752184E+21	6,484959E+21	6,485099E+21	4,752389E+21	2,258842E+21	5,211380E+20	4,966127E+18	0,000000E+00	0,000000E+00	4,964484E+18	5,209680E+20
1489	2,258508E+21	4,752027E+21	6,485000E+21	6,485066E+21	4,752180E+21	2,258625E+21	5,210233E+20	4,967021E+18	0,000000E+00	0,000000E+00	4,968384E+18	5,211470E+20
1490	2,258730E+21	4,752032E+21	6,484633E+21	6,484489E+21	4,751756E+21	2,258555E+21	5,210765E+20	4,967399E+18	0,000000E+00	0,000000E+00	4,968060E+18	5,210586E+20
1491	2,258473E+21	4,751509E+21	6,484151E+21	6,484317E+21	4,751830E+21	2,258704E+21	5,211801E+20	4,973610E+18	0,000000E+00	0,000000E+00	4,972586E+18	5,210818E+20
1492	2,258524E+21	4,751683E+21	6,484320E+21	6,484229E+21	4,751432E+21	2,258355E+21	5,210348E+20	4,971483E+18	0,000000E+00	0,000000E+00	4,974630E+18	5,212059E+20
1493	2,258646E+21	4,751620E+21	6,483962E+21	6,483841E+21	4,751393E+21	2,258515E+21	5,211617E+20	4,974150E+18	0,000000E+00	0,000000E+00	4,972962E+18	5,210549E+20
1494	2,258322E+21	4,751274E+21	6,484011E+21	6,484110E+21	4,751562E+21	2,258559E+21	5,211570E+20	4,976139E+18	0,000000E+00	0,000000E+00	4,976215E+18	5,211546E+20
1495	2,258562E+21	4,751599E+21	6,484172E+21	6,484054E+21	4,751278E+21	2,258313E+21	5,210527E+20	4,973079E+18	0,000000E+00	0,000000E+00	4,974460E+18	5,211677E+20
1496	2,258514E+21	4,751379E+21	6,483809E+21	6,483947E+21	4,751616E+21	2,258643E+21	5,212035E+20	4,974390E+18	0,000000E+00	0,000000E+00	4,971629E+18	5,210360E+20
1497	2,258345E+21	4,751403E+21	6,484189E+21	6,484306E+21	4,751708E+21	2,258550E+21	5,210943E+20	4,973394E+18	0,000000E+00	0,000000E+00	4,974245E+18	5,211765E+20
1498	2,258680E+21	4,751818E+21	6,484356E+21	6,484208E+21	4,751514E+21	2,258465E+21	5,210654E+20	4,968869E+18	0,000000E+00	0,000000E+00	4,967788E+18	5,210759E+20
1499	2,258518E+21	4,751628E+21	6,484262E+21	6,484412E+21	4,751919E+21	2,258726E+21	5,211722E+20	4,970241E+18	0,000000E+00	0,000000E+00	4,967992E+18	5,210147E+20
1500	2,258518E+21	4,751928E+21	6,484800E+21	6,484789E+21	4,751903E+21	2,258498E+21	5,210046E+20	4,967750E+18	0,000000E+00	0,000000E+00	4,968867E+18	5,211531E+20

Longitude \odot Years	1	2	3	4	5	6	7	8	9	10	11	12	13
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
1501	2,258754E+21	4,752107E+21	6,484739E+21	6,484638E+21	4,751942E+21	2,258625E+21	5,210657E+20	4,964087E+18	0,000000E+00	0,000000E+00	4,963235E+18	5,210037E+20	
1502	2,258510E+21	4,751858E+21	6,484786E+21	6,484951E+21	4,752225E+21	2,258760E+21	5,211034E+20	4,967284E+18	0,000000E+00	0,000000E+00	4,967551E+18	5,210633E+20	
1503	2,258727E+21	4,752259E+21	6,485067E+21	6,484980E+21	4,751965E+21	2,258477E+21	5,209582E+20	4,962887E+18	0,000000E+00	0,000000E+00	4,964734E+18	5,211165E+20	
1504	2,258752E+21	4,752155E+21	6,484737E+21	6,484698E+21	4,752100E+21	2,258729E+21	5,211129E+20	4,964956E+18	0,000000E+00	0,000000E+00	4,964290E+18	5,209742E+20	
1505	2,258473E+21	4,751899E+21	6,484867E+21	6,484938E+21	4,752160E+21	2,258700E+21	5,210786E+20	4,969208E+18	0,000000E+00	0,000000E+00	4,969119E+18	5,211076E+20	
1506	2,258693E+21	4,752073E+21	6,484798E+21	6,484648E+21	4,751738E+21	2,258471E+21	5,210264E+20	4,966277E+18	0,000000E+00	0,000000E+00	4,967220E+18	5,210898E+20	
1507	2,258534E+21	4,751600E+21	6,484160E+21	6,484293E+21	4,751831E+21	2,258702E+21	5,211967E+20	4,973476E+18	0,000000E+00	0,000000E+00	4,971869E+18	5,210323E+20	
1508	2,258378E+21	4,751469E+21	6,484212E+21	6,484274E+21	4,751601E+21	2,258459E+21	5,210709E+20	4,973622E+18	0,000000E+00	0,000000E+00	4,975965E+18	5,212137E+20	
1509	2,258623E+21	4,751528E+21	6,483868E+21	6,483694E+21	4,751187E+21	2,258391E+21	5,211192E+20	4,974034E+18	0,000000E+00	0,000000E+00	4,975464E+18	5,211219E+20	
1510	2,258358E+21	4,751069E+21	6,483538E+21	6,483627E+21	4,751288E+21	2,258540E+21	5,212244E+20	4,980014E+18	0,000000E+00	0,000000E+00	4,979214E+18	5,211351E+20	
1511	2,258409E+21	4,751250E+21	6,483738E+21	6,483623E+21	4,750964E+21	2,258212E+21	5,210793E+20	4,977854E+18	0,000000E+00	0,000000E+00	4,980702E+18	5,212434E+20	
1512	2,258488E+21	4,751121E+21	6,483337E+21	6,483229E+21	4,750964E+21	2,258410E+21	5,212199E+20	4,980944E+18	0,000000E+00	0,000000E+00	4,979055E+18	5,211026E+20	
1513	2,258180E+21	4,750754E+21	6,483333E+21	6,483526E+21	4,751200E+21	2,258482E+21	5,212186E+20	4,982914E+18	0,000000E+00	0,000000E+00	4,982201E+18	5,211961E+20	
1514	2,258426E+21	4,751099E+21	6,483481E+21	6,483409E+21	4,750878E+21	2,258232E+21	5,211074E+20	4,979280E+18	0,000000E+00	0,000000E+00	4,980245E+18	5,212167E+20	
1515	2,258417E+21	4,750946E+21	6,483151E+21	6,483223E+21	4,751100E+21	2,258511E+21	5,212482E+20	4,980022E+18	0,000000E+00	0,000000E+00	4,977359E+18	5,210834E+20	
1516	2,258250E+21	4,751005E+21	6,483625E+21	6,483693E+21	4,751225E+21	2,258404E+21	5,211309E+20	4,978690E+18	0,000000E+00	0,000000E+00	4,979987E+18	5,212191E+20	
1517	2,258568E+21	4,751408E+21	6,483798E+21	6,483634E+21	4,751076E+21	2,258330E+21	5,210993E+20	4,974262E+18	0,000000E+00	0,000000E+00	4,973640E+18	5,211223E+20	
1518	2,258397E+21	4,751226E+21	6,483762E+21	6,483896E+21	4,751511E+21	2,258593E+21	5,212036E+20	4,975453E+18	0,000000E+00	0,000000E+00	4,973899E+18	5,210662E+20	
1519	2,258426E+21	4,751527E+21	6,484244E+21	6,484244E+21	4,751517E+21	2,258384E+21	5,210348E+20	4,972609E+18	0,000000E+00	0,000000E+00	4,974136E+18	5,211941E+20	
1520	2,258646E+21	4,751689E+21	6,484148E+21	6,484028E+21	4,751521E+21	2,258524E+21	5,211105E+20	4,969481E+18	0,000000E+00	0,000000E+00	4,968660E+18	5,210497E+20	
1521	2,258414E+21	4,751446E+21	6,484189E+21	6,484376E+21	4,751846E+21	2,258672E+21	5,211589E+20	4,973582E+18	0,000000E+00	0,000000E+00	4,972768E+18	5,210913E+20	
1522	2,258588E+21	4,751814E+21	6,484470E+21	6,484382E+21	4,751565E+21	2,258394E+21	5,210191E+20	4,969465E+18	0,000000E+00	0,000000E+00	4,970320E+18	5,211527E+20	
1523	2,258608E+21	4,751670E+21	6,484099E+21	6,484020E+21	4,751586E+21	2,258596E+21	5,211734E+20	4,972176E+18	0,000000E+00	0,000000E+00	4,970936E+18	5,210237E+20	
1524	2,258320E+21	4,751348E+21	6,484164E+21	6,484269E+21	4,751661E+21	2,258558E+21	5,211318E+20	4,976155E+18	0,000000E+00	0,000000E+00	4,976504E+18	5,211676E+20	
1525	2,258547E+21	4,751496E+21	6,484003E+21	6,483884E+21	4,751215E+21	2,258331E+21	5,210746E+20	4,973191E+18	0,000000E+00	0,000000E+00	4,975232E+18	5,211634E+20	
1526	2,258420E+21	4,751099E+21	6,483435E+21	6,483512E+21	4,751247E+21	2,258530E+21	5,212377E+20	4,979946E+18	0,000000E+00	0,000000E+00	4,979335E+18	5,211027E+20	
1527	2,258293E+21	4,751021E+21	6,483515E+21	6,483518E+21	4,751041E+21	2,258293E+21	5,211107E+20	4,979780E+18	0,000000E+00	0,000000E+00	4,982462E+18	5,212595E+20	
1528	2,258493E+21	4,751064E+21	6,483223E+21	6,482989E+21	4,750658E+21	2,258252E+21	5,211755E+20	4,981146E+18	0,000000E+00	0,000000E+00	4,981918E+18	5,211676E+20	
1529	2,258214E+21	4,750568E+21	6,482892E+21	6,483034E+21	4,750866E+21	2,258432E+21	5,212901E+20	4,987636E+18	0,000000E+00	0,000000E+00	4,985341E+18	5,211673E+20	
1530	2,258227E+21	4,750695E+21	6,483052E+21	6,483017E+21	4,750581E+21	2,258135E+21	5,211452E+20	4,985232E+18	0,000000E+00	0,000000E+00	4,987239E+18	5,212919E+20	
1531	2,258341E+21	4,750577E+21	6,482611E+21	6,482514E+21	4,750467E+21	2,258291E+21	5,212740E+20	4,987540E+18	0,000000E+00	0,000000E+00	4,985666E+18	5,211608E+20	
1532	2,258067E+21	4,750256E+21	6,482630E+21	6,482833E+21	4,750699E+21	2,258348E+21	5,212611E+20	4,988526E+18	0,000000E+00	0,000000E+00	4,988623E+18	5,212481E+20	
1533	2,258323E+21	4,750659E+21	6,482820E+21	6,482729E+21	4,750400E+21	2,258103E+21	5,211429E+20	4,984629E+18	0,000000E+00	0,000000E+00	4,986313E+18	5,212659E+20	
1534	2,258318E+21	4,750592E+21	6,482649E+21	6,482629E+21	4,750618E+21	2,258363E+21	5,212792E+20	4,985016E+18	0,000000E+00	0,000000E+00	4,982809E+18	5,211275E+20	
1535	2,258160E+21	4,750650E+21	6,483132E+21	6,483176E+21	4,750817E+21	2,258276E+21	5,211627E+20	4,983798E+18	0,000000E+00	0,000000E+00	4,984868E+18	5,212488E+20	
1536	2,258440E+21	4,750992E+21	6,483265E+21	6,483123E+21	4,750710E+21	2,258234E+21	5,211434E+20	4,979839E+18	0,000000E+00	0,000000E+00	4,978862E+18	5,211674E+20	

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												
1537	2,258293E+21	4,750792E+21	6,483173E+21	6,483389E+21	4,751184E+21	2,258515E+21	5,212538E+20	4,981375E+18	0,000000E+00	0,000000E+00	4,979208E+18	5,211040E+20
1538	2,258315E+21	4,751102E+21	6,483644E+21	6,483667E+21	4,751146E+21	2,258312E+21	5,210885E+20	4,978461E+18	0,000000E+00	0,000000E+00	4,979522E+18	5,212374E+20
1539	2,258545E+21	4,751279E+21	6,483550E+21	6,483364E+21	4,751022E+21	2,258398E+21	5,211596E+20	4,975584E+18	0,000000E+00	0,000000E+00	4,974636E+18	5,210936E+20
1540	2,258297E+21	4,751012E+21	6,483602E+21	6,483759E+21	4,751362E+21	2,258540E+21	5,212078E+20	4,979775E+18	0,000000E+00	0,000000E+00	4,979069E+18	5,211307E+20
1541	2,258430E+21	4,751306E+21	6,483812E+21	6,483747E+21	4,751100E+21	2,258266E+21	5,210679E+20	4,976133E+18	0,000000E+00	0,000000E+00	4,977335E+18	5,212036E+20
1542	2,258452E+21	4,751152E+21	6,483433E+21	6,483358E+21	4,751086E+21	2,258449E+21	5,212169E+20	4,978707E+18	0,000000E+00	0,000000E+00	4,978239E+18	5,210894E+20
1543	2,258207E+21	4,750833E+21	6,483419E+21	6,483544E+21	4,751150E+21	2,258415E+21	5,211725E+20	4,982197E+18	0,000000E+00	0,000000E+00	4,983155E+18	5,212224E+20
1544	2,258423E+21	4,750979E+21	6,483248E+21	6,483113E+21	4,750673E+21	2,258194E+21	5,211275E+20	4,979901E+18	0,000000E+00	0,000000E+00	4,982108E+18	5,212247E+20
1545	2,258316E+21	4,750617E+21	6,482724E+21	6,482816E+21	4,750758E+21	2,258402E+21	5,212953E+20	4,987171E+18	0,000000E+00	0,000000E+00	4,985672E+18	5,211435E+20
1546	2,258153E+21	4,750545E+21	6,482862E+21	6,482843E+21	4,750556E+21	2,258182E+21	5,211763E+20	4,987206E+18	0,000000E+00	0,000000E+00	4,989031E+18	5,213041E+20
1547	2,258340E+21	4,750545E+21	6,482548E+21	6,482291E+21	4,750119E+21	2,258108E+21	5,212368E+20	4,988872E+18	0,000000E+00	0,000000E+00	4,989016E+18	5,212206E+20
1548	2,258064E+21	4,750023E+21	6,482187E+21	6,482377E+21	4,750387E+21	2,258301E+21	5,213415E+20	4,994435E+18	0,000000E+00	0,000000E+00	4,992635E+18	5,212245E+20
1549	2,258085E+21	4,750145E+21	6,482288E+21	6,482294E+21	4,750098E+21	2,258017E+21	5,211930E+20	4,991735E+18	0,000000E+00	0,000000E+00	4,994644E+18	5,213551E+20
1550	2,258233E+21	4,750127E+21	6,481952E+21	6,481812E+21	4,749939E+21	2,258141E+21	5,213100E+20	4,993059E+18	0,000000E+00	0,000000E+00	4,992080E+18	5,212207E+20
1551	2,257993E+21	4,749870E+21	6,482023E+21	6,482184E+21	4,750211E+21	2,258205E+21	5,212939E+20	4,993647E+18	0,000000E+00	0,000000E+00	4,993858E+18	5,212795E+20
1552	2,258196E+21	4,750252E+21	6,482271E+21	6,482147E+21	4,749958E+21	2,257988E+21	5,211895E+20	4,990436E+18	0,000000E+00	0,000000E+00	4,991452E+18	5,213010E+20
1553	2,258191E+21	4,750165E+21	6,482110E+21	6,482161E+21	4,750279E+21	2,258267E+21	5,213290E+20	4,991106E+18	0,000000E+00	0,000000E+00	4,987657E+18	5,211526E+20
1554	2,258015E+21	4,750206E+21	6,482562E+21	6,482666E+21	4,750490E+21	2,258213E+21	5,212172E+20	4,989871E+18	0,000000E+00	0,000000E+00	4,990204E+18	5,212900E+20
1555	2,258322E+21	4,750542E+21	6,482648E+21	6,482516E+21	4,750278E+21	2,258129E+21	5,211903E+20	4,985586E+18	0,000000E+00	0,000000E+00	4,984537E+18	5,212178E+20
1556	2,258205E+21	4,750382E+21	6,482573E+21	6,482795E+21	4,750746E+21	2,258398E+21	5,212929E+20	4,986648E+18	0,000000E+00	0,000000E+00	4,985111E+18	5,211492E+20
1557	2,258211E+21	4,750692E+21	6,483040E+21	6,483047E+21	4,750707E+21	2,258203E+21	5,211303E+20	4,984029E+18	0,000000E+00	0,000000E+00	4,985555E+18	5,212810E+20
1558	2,258431E+21	4,750904E+21	6,483032E+21	6,482781E+21	4,750537E+21	2,258253E+21	5,211971E+20	4,981109E+18	0,000000E+00	0,000000E+00	4,980846E+18	5,211448E+20
1559	2,258189E+21	4,750586E+21	6,483006E+21	6,483174E+21	4,750913E+21	2,258406E+21	5,212473E+20	4,985652E+18	0,000000E+00	0,000000E+00	4,985070E+18	5,211712E+20
1560	2,258276E+21	4,750790E+21	6,483133E+21	6,483111E+21	4,750657E+21	2,258155E+21	5,211197E+20	4,982588E+18	0,000000E+00	0,000000E+00	4,984077E+18	5,212645E+20
1561	2,258337E+21	4,750632E+21	6,482691E+21	6,482688E+21	4,750631E+21	2,258333E+21	5,212721E+20	4,985753E+18	0,000000E+00	0,000000E+00	4,984945E+18	5,211414E+20
1562	2,258088E+21	4,750345E+21	6,482684E+21	6,482800E+21	4,750642E+21	2,258303E+21	5,212335E+20	4,989180E+18	0,000000E+00	0,000000E+00	4,989804E+18	5,212762E+20
1563	2,258304E+21	4,750498E+21	6,482539E+21	6,482337E+21	4,750078E+21	2,258033E+21	5,211843E+20	4,987323E+18	0,000000E+00	0,000000E+00	4,989158E+18	5,212768E+20
1564	2,258183E+21	4,750126E+21	6,482055E+21	6,482118E+21	4,750206E+21	2,258246E+21	5,213487E+20	4,994394E+18	0,000000E+00	0,000000E+00	4,992822E+18	5,211901E+20
1565	2,257981E+21	4,749990E+21	6,482147E+21	6,482163E+21	4,750062E+21	2,258054E+21	5,212339E+20	4,994575E+18	0,000000E+00	0,000000E+00	4,996616E+18	5,213577E+20
1566	2,258179E+21	4,750017E+21	6,481857E+21	6,481616E+21	4,749609E+21	2,257963E+21	5,212829E+20	4,995623E+18	0,000000E+00	0,000000E+00	4,996483E+18	5,212867E+20
1567	2,257950E+21	4,749518E+21	6,481454E+21	6,481673E+21	4,749896E+21	2,258168E+21	5,213824E+20	5,000250E+18	0,000000E+00	0,000000E+00	4,998902E+18	5,212712E+20
1568	2,257952E+21	4,749652E+21	6,481586E+21	6,481599E+21	4,749616E+21	2,257900E+21	5,212427E+20	4,997855E+18	0,000000E+00	0,000000E+00	5,000747E+18	5,214037E+20
1569	2,258124E+21	4,749677E+21	6,481307E+21	6,481208E+21	4,749513E+21	2,258030E+21	5,213614E+20	4,999273E+18	0,000000E+00	0,000000E+00	4,997171E+18	5,212505E+20
1570	2,257861E+21	4,749453E+21	6,481451E+21	6,481603E+21	4,749797E+21	2,258113E+21	5,213519E+20	4,999963E+18	0,000000E+00	0,000000E+00	4,999146E+18	5,213140E+20
1571	2,258056E+21	4,749797E+21	6,481683E+21	6,481564E+21	4,749512E+21	2,257866E+21	5,212413E+20	4,996906E+18	0,000000E+00	0,000000E+00	4,997228E+18	5,213479E+20
1572	2,258075E+21	4,749722E+21	6,481513E+21	6,481602E+21	4,749873E+21	2,258155E+21	5,213682E+20	4,996688E+18	0,000000E+00	0,000000E+00	4,993909E+18	5,212061E+20

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°
1573	2,257913E+21	4,749771E+21	6,481928E+21	6,482048E+21	4,750070E+21	2,258109E+21	5,212579E+20	4,995386E+18	0,000000E+00	0,000000E+00	4,996665E+18	5,213470E+20
1574	2,258246E+21	4,750196E+21	6,482105E+21	6,481917E+21	4,749806E+21	2,257986E+21	5,212180E+20	4,990344E+18	0,000000E+00	0,000000E+00	4,990488E+18	5,212734E+20
1575	2,258142E+21	4,750058E+21	6,482050E+21	6,482224E+21	4,750302E+21	2,258263E+21	5,213220E+20	4,991467E+18	0,000000E+00	0,000000E+00	4,990286E+18	5,211798E+20
1576	2,258076E+21	4,750281E+21	6,482500E+21	6,482499E+21	4,750289E+21	2,258094E+21	5,211788E+20	4,989900E+18	0,000000E+00	0,000000E+00	4,991057E+18	5,213170E+20
1577	2,258285E+21	4,750422E+21	6,482427E+21	6,482276E+21	4,750179E+21	2,258156E+21	5,212515E+20	4,987641E+18	0,000000E+00	0,000000E+00	4,986551E+18	5,211805E+20
1578	2,258036E+21	4,750086E+21	6,482328E+21	6,482546E+21	4,750505E+21	2,258323E+21	5,213083E+20	4,992395E+18	0,000000E+00	0,000000E+00	4,991377E+18	5,212223E+20
1579	2,258137E+21	4,750254E+21	6,482373E+21	6,482356E+21	4,750121E+21	2,258023E+21	5,211772E+20	4,989472E+18	0,000000E+00	0,000000E+00	4,990918E+18	5,213243E+20
1580	2,258229E+21	4,750151E+21	6,481967E+21	6,481945E+21	4,750087E+21	2,258184E+21	5,213181E+20	4,992318E+18	0,000000E+00	0,000000E+00	4,992006E+18	5,211951E+20
1581	2,257963E+21	4,749867E+21	6,481979E+21	6,482052E+21	4,750093E+21	2,258159E+21	5,212870E+20	4,996126E+18	0,000000E+00	0,000000E+00	4,996902E+18	5,213262E+20
1582	2,258167E+21	4,750050E+21	6,481921E+21	6,481664E+21	4,749522E+21	2,257863E+21	5,212314E+20	4,994299E+18	0,000000E+00	0,000000E+00	4,996502E+18	5,213347E+20
1583	2,258052E+21	4,749637E+21	6,481393E+21	6,481479E+21	4,749718E+21	2,258098E+21	5,213945E+20	5,001154E+18	0,000000E+00	0,000000E+00	4,999595E+18	5,212378E+20
1584	2,257812E+21	4,749422E+21	6,481411E+21	6,481488E+21	4,749600E+21	2,257946E+21	5,212931E+20	5,001608E+18	0,000000E+00	0,000000E+00	5,003900E+18	5,214192E+20
1585	2,258049E+21	4,749467E+21	6,481095E+21	6,480947E+21	4,749164E+21	2,257856E+21	5,213414E+20	5,002634E+18	0,000000E+00	0,000000E+00	5,003054E+18	5,213372E+20
1586	2,257829E+21	4,749045E+21	6,480738E+21	6,480947E+21	4,749412E+21	2,258063E+21	5,214414E+20	5,006766E+18	0,000000E+00	0,000000E+00	5,005005E+18	5,213173E+20
1587	2,257819E+21	4,749174E+21	6,480906E+21	6,480876E+21	4,749078E+21	2,257760E+21	5,212981E+20	5,004682E+18	0,000000E+00	0,000000E+00	5,006837E+18	5,214462E+20
1588	2,257994E+21	4,749224E+21	6,480698E+21	6,480587E+21	4,749034E+21	2,257891E+21	5,214059E+20	5,005496E+18	0,000000E+00	0,000000E+00	5,003199E+18	5,212913E+20
1589	2,257716E+21	4,748977E+21	6,480828E+21	6,481006E+21	4,749368E+21	2,257997E+21	5,213994E+20	5,006166E+18	0,000000E+00	0,000000E+00	5,005549E+18	5,213639E+20
1590	2,257943E+21	4,749386E+21	6,481111E+21	6,480985E+21	4,749076E+21	2,257734E+21	5,212738E+20	5,002173E+18	0,000000E+00	0,000000E+00	5,003452E+18	5,214106E+20
1591	2,258011E+21	4,749357E+21	6,480946E+21	6,481027E+21	4,749457E+21	2,258029E+21	5,213939E+20	5,001134E+18	0,000000E+00	0,000000E+00	4,999163E+18	5,212494E+20
1592	2,257821E+21	4,749404E+21	6,481387E+21	6,481493E+21	4,749676E+21	2,258010E+21	5,212978E+20	5,000342E+18	0,000000E+00	0,000000E+00	5,001892E+18	5,213875E+20
1593	2,258152E+21	4,749829E+21	6,481594E+21	6,481433E+21	4,749453E+21	2,257889E+21	5,212636E+20	4,995795E+18	0,000000E+00	0,000000E+00	4,995089E+18	5,212969E+20
1594	2,258010E+21	4,749672E+21	6,481529E+21	6,481696E+21	4,749928E+21	2,258181E+21	5,213794E+20	4,997619E+18	0,000000E+00	0,000000E+00	4,995476E+18	5,212106E+20
1595	2,257911E+21	4,749777E+21	6,481870E+21	6,481910E+21	4,749862E+21	2,257982E+21	5,212357E+20	4,996654E+18	0,000000E+00	0,000000E+00	4,997084E+18	5,213625E+20
1596	2,258145E+21	4,749909E+21	6,481727E+21	6,481616E+21	4,749727E+21	2,258037E+21	5,213002E+20	4,994113E+18	0,000000E+00	0,000000E+00	4,993498E+18	5,212389E+20
1597	2,257914E+21	4,749578E+21	6,481582E+21	6,481791E+21	4,749985E+21	2,258195E+21	5,213613E+20	4,999072E+18	0,000000E+00	0,000000E+00	4,998597E+18	5,212847E+20
1598	2,258042E+21	4,749836E+21	6,481712E+21	6,481611E+21	4,749543E+21	2,257849E+21	5,212171E+20	4,995673E+18	0,000000E+00	0,000000E+00	4,998081E+18	5,213881E+20
1599	2,258139E+21	4,749740E+21	6,481341E+21	6,481253E+21	4,749542E+21	2,258012E+21	5,213550E+20	4,998596E+18	0,000000E+00	0,000000E+00	4,998533E+18	5,212375E+20
1600	2,257805E+21	4,749370E+21	6,481338E+21	6,481412E+21	4,749606E+21	2,258023E+21	5,213427E+20	5,003148E+18	0,000000E+00	0,000000E+00	5,003810E+18	5,213746E+20
1601	2,258002E+21	4,749484E+21	6,481215E+21	6,481073E+21	4,749109E+21	2,257750E+21	5,212922E+20	5,001861E+18	0,000000E+00	0,000000E+00	5,003454E+18	5,213814E+20
1602	2,257886E+21	4,749078E+21	6,480639E+21	6,480776E+21	4,749267E+21	2,258009E+21	5,214608E+20	5,008442E+18	0,000000E+00	0,000000E+00	5,006552E+18	5,212951E+20
1603	2,257656E+21	4,748832E+21	6,480600E+21	6,480702E+21	4,749058E+21	2,257816E+21	5,213568E+20	5,008904E+18	0,000000E+00	0,000000E+00	5,010918E+18	5,214761E+20
1604	2,257928E+21	4,748960E+21	6,480344E+21	6,480178E+21	4,748629E+21	2,257718E+21	5,213921E+20	5,009310E+18	0,000000E+00	0,000000E+00	5,009901E+18	5,213898E+20
1605	2,257702E+21	4,748574E+21	6,480047E+21	6,480200E+21	4,748872E+21	2,257924E+21	5,214936E+20	5,013310E+18	0,000000E+00	0,000000E+00	5,011556E+18	5,213662E+20
1606	2,257701E+21	4,748761E+21	6,480322E+21	6,480229E+21	4,748556E+21	2,257594E+21	5,213366E+20	5,010794E+18	0,000000E+00	0,000000E+00	5,013354E+18	5,215026E+20
1607	2,257896E+21	4,748816E+21	6,480133E+21	6,480024E+21	4,748603E+21	2,257745E+21	5,214335E+20	5,010822E+18	0,000000E+00	0,000000E+00	5,008989E+18	5,213389E+20
1608	2,257602E+21	4,748544E+21	6,480241E+21	6,480442E+21	4,748973E+21	2,257891E+21	5,214412E+20	5,011668E+18	0,000000E+00	0,000000E+00	5,011592E+18	5,214190E+20

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	2,257859E+21	4,748975E+21	6,480535E+21	6,480473E+21	4,748729E+21	2,257644E+21	5,213187E+20	5,007670E+18	0,000000E+00	0,000000E+00	5,008485E+18	5,214478E+20
1610	2,257919E+21	4,749014E+21	6,480435E+21	6,480478E+21	4,749079E+21	2,257944E+21	5,214420E+20	5,006475E+18	0,000000E+00	0,000000E+00	5,003993E+18	5,212802E+20
1611	2,257687E+21	4,748981E+21	6,480834E+21	6,480915E+21	4,749246E+21	2,257903E+21	5,213529E+20	5,006525E+18	0,000000E+00	0,000000E+00	5,006897E+18	5,214126E+20
1612	2,258001E+21	4,749380E+21	6,481031E+21	6,480884E+21	4,749059E+21	2,257785E+21	5,213119E+20	5,001811E+18	0,000000E+00	0,000000E+00	5,000724E+18	5,213304E+20
1613	2,257848E+21	4,749169E+21	6,480880E+21	6,481072E+21	4,749510E+21	2,258078E+21	5,214322E+20	5,004072E+18	0,000000E+00	0,000000E+00	5,001960E+18	5,212610E+20
1614	2,257788E+21	4,749308E+21	6,481203E+21	6,481237E+21	4,749380E+21	2,257843E+21	5,212747E+20	5,002430E+18	0,000000E+00	0,000000E+00	5,003839E+18	5,214289E+20
1615	2,258067E+21	4,749480E+21	6,481067E+21	6,480936E+21	4,749231E+21	2,257881E+21	5,213297E+20	4,999523E+18	0,000000E+00	0,000000E+00	4,999816E+18	5,212935E+20
1616	2,257813E+21	4,749146E+21	6,480943E+21	6,481114E+21	4,749487E+21	2,258053E+21	5,214050E+20	5,005109E+18	0,000000E+00	0,000000E+00	5,005067E+18	5,213380E+20
1617	2,257932E+21	4,749390E+21	6,481109E+21	6,481015E+21	4,749095E+21	2,257723E+21	5,212708E+20	5,002371E+18	0,000000E+00	0,000000E+00	5,004193E+18	5,214267E+20
1618	2,257995E+21	4,749282E+21	6,480739E+21	6,480633E+21	4,749087E+21	2,257900E+21	5,214169E+20	5,005897E+18	0,000000E+00	0,000000E+00	5,005138E+18	5,212834E+20
1619	2,257627E+21	4,748785E+21	6,480599E+21	6,480723E+21	4,749124E+21	2,257902E+21	5,214096E+20	5,010931E+18	0,000000E+00	0,000000E+00	5,011020E+18	5,214294E+20
1620	2,257850E+21	4,748906E+21	6,480421E+21	6,480316E+21	4,748618E+21	2,257633E+21	5,213514E+20	5,009315E+18	0,000000E+00	0,000000E+00	5,011371E+18	5,214461E+20
1621	2,257751E+21	4,748523E+21	6,479829E+21	6,479945E+21	4,748707E+21	2,257877E+21	5,215206E+20	5,015657E+18	0,000000E+00	0,000000E+00	5,014074E+18	5,213603E+20
1622	2,257553E+21	4,748371E+21	6,479886E+21	6,479912E+21	4,748459E+21	2,257638E+21	5,213995E+20	5,015367E+18	0,000000E+00	0,000000E+00	5,018054E+18	5,215363E+20
1623	2,257828E+21	4,748527E+21	6,479709E+21	6,479480E+21	4,748083E+21	2,257544E+21	5,214274E+20	5,015418E+18	0,000000E+00	0,000000E+00	5,016043E+18	5,214320E+20
1624	2,257559E+21	4,748104E+21	6,479446E+21	6,479593E+21	4,748404E+21	2,257784E+21	5,215399E+20	5,019562E+18	0,000000E+00	0,000000E+00	5,017754E+18	5,214135E+20
1625	2,257569E+21	4,748277E+21	6,479722E+21	6,479707E+21	4,748187E+21	2,257492E+21	5,213868E+20	5,017227E+18	0,000000E+00	0,000000E+00	5,019100E+18	5,215433E+20
1626	2,257773E+21	4,748378E+21	6,479543E+21	6,479449E+21	4,748225E+21	2,257665E+21	5,214841E+20	5,016645E+18	0,000000E+00	0,000000E+00	5,014433E+18	5,213822E+20
1627	2,257480E+21	4,748083E+21	6,479616E+21	6,479835E+21	4,748556E+21	2,257791E+21	5,214931E+20	5,017619E+18	0,000000E+00	0,000000E+00	5,016910E+18	5,214557E+20
1628	2,257753E+21	4,748571E+21	6,479949E+21	6,479876E+21	4,748333E+21	2,257549E+21	5,213640E+20	5,013338E+18	0,000000E+00	0,000000E+00	5,013764E+18	5,214792E+20
1629	2,257786E+21	4,748598E+21	6,479877E+21	6,479878E+21	4,748652E+21	2,257844E+21	5,214935E+20	5,012350E+18	0,000000E+00	0,000000E+00	5,009491E+18	5,213171E+20
1630	2,257564E+21	4,748569E+21	6,480289E+21	6,480348E+21	4,748801E+21	2,257765E+21	5,213912E+20	5,012211E+18	0,000000E+00	0,000000E+00	5,012860E+18	5,214607E+20
1631	2,257886E+21	4,748938E+21	6,480440E+21	6,480311E+21	4,748643E+21	2,257651E+21	5,213404E+20	5,006997E+18	0,000000E+00	0,000000E+00	5,006767E+18	5,213843E+20
1632	2,257740E+21	4,748713E+21	6,480238E+21	6,480432E+21	4,749064E+21	2,257955E+21	5,214705E+20	5,009618E+18	0,000000E+00	0,000000E+00	5,008691E+18	5,213271E+20
1633	2,257715E+21	4,748879E+21	6,480571E+21	6,480615E+21	4,748940E+21	2,257723E+21	5,213186E+20	5,008213E+18	0,000000E+00	0,000000E+00	5,009807E+18	5,214786E+20
1634	2,257982E+21	4,749106E+21	6,480496E+21	6,480294E+21	4,748760E+21	2,257758E+21	5,213766E+20	5,005693E+18	0,000000E+00	0,000000E+00	5,005814E+18	5,213355E+20
1635	2,257673E+21	4,748672E+21	6,480321E+21	6,480463E+21	4,748988E+21	2,257916E+21	5,214631E+20	5,012282E+18	0,000000E+00	0,000000E+00	5,011250E+18	5,213747E+20
1636	2,257771E+21	4,748871E+21	6,480444E+21	6,480370E+21	4,748648E+21	2,257609E+21	5,213305E+20	5,009781E+18	0,000000E+00	0,000000E+00	5,011258E+18	5,214712E+20
1637	2,257814E+21	4,748698E+21	6,479995E+21	6,479913E+21	4,748601E+21	2,257789E+21	5,214826E+20	5,013648E+18	0,000000E+00	0,000000E+00	5,012790E+18	5,213469E+20
1638	2,257492E+21	4,748235E+21	6,479816E+21	6,479942E+21	4,748571E+21	2,257753E+21	5,214609E+20	5,017795E+18	0,000000E+00	0,000000E+00	5,018669E+18	5,214980E+20
1639	2,257743E+21	4,748403E+21	6,479673E+21	6,479545E+21	4,748065E+21	2,257472E+21	5,213912E+20	5,015612E+18	0,000000E+00	0,000000E+00	5,018480E+18	5,215048E+20
1640	2,257634E+21	4,748043E+21	6,479127E+21	6,479187E+21	4,748150E+21	2,257723E+21	5,215677E+20	5,022137E+18	0,000000E+00	0,000000E+00	5,020790E+18	5,214145E+20
1641	2,257432E+21	4,747890E+21	6,479245E+21	6,479275E+21	4,747977E+21	2,257505E+21	5,214538E+20	5,022222E+18	0,000000E+00	0,000000E+00	5,024036E+18	5,215728E+20
1642	2,257686E+21	4,748068E+21	6,479121E+21	6,478890E+21	4,747641E+21	2,257424E+21	5,214806E+20	5,022264E+18	0,000000E+00	0,000000E+00	5,022017E+18	5,214732E+20
1643	2,257397E+21	4,747563E+21	6,478769E+21	6,478971E+21	4,747966E+21	2,257668E+21	5,215964E+20	5,026492E+18	0,000000E+00	0,000000E+00	5,023929E+18	5,214610E+20
1644	2,257446E+21	4,747790E+21	6,479042E+21	6,479055E+21	4,747780E+21	2,257407E+21	5,214409E+20	5,023732E+18	0,000000E+00	0,000000E+00	5,025573E+18	5,215935E+20

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	2,257660E+21	4,747935E+21	6,478910E+21	6,478786E+21	4,747771E+21	2,257563E+21	5,215353E+20	5,022628E+18	0,000000E+00	0,000000E+00	5,020444E+18	5,214324E+20
1646	2,257396E+21	4,747715E+21	6,479051E+21	6,479207E+21	4,748076E+21	2,257650E+21	5,215282E+20	5,022917E+18	0,000000E+00	0,000000E+00	5,022637E+18	5,214972E+20
1647	2,257651E+21	4,748194E+21	6,479433E+21	6,479329E+21	4,747905E+21	2,257411E+21	5,213910E+20	5,018272E+18	0,000000E+00	0,000000E+00	5,019003E+18	5,215125E+20
1648	2,257649E+21	4,748161E+21	6,479330E+21	6,479346E+21	4,748248E+21	2,257723E+21	5,215293E+20	5,017566E+18	0,000000E+00	0,000000E+00	5,015318E+18	5,213653E+20
1649	2,257447E+21	4,748103E+21	6,479695E+21	6,479831E+21	4,748445E+21	2,257671E+21	5,214336E+20	5,017776E+18	0,000000E+00	0,000000E+00	5,018374E+18	5,215054E+20
1650	2,257786E+21	4,748523E+21	6,479851E+21	6,479720E+21	4,748238E+21	2,257556E+21	5,213839E+20	5,012420E+18	0,000000E+00	0,000000E+00	5,012362E+18	5,214335E+20
1651	2,257637E+21	4,748270E+21	6,479602E+21	6,479787E+21	4,748597E+21	2,257832E+21	5,215184E+20	5,015713E+18	0,000000E+00	0,000000E+00	5,014444E+18	5,213708E+20
1652	2,257618E+21	4,748479E+21	6,479964E+21	6,479958E+21	4,748490E+21	2,257617E+21	5,213711E+20	5,014592E+18	0,000000E+00	0,000000E+00	5,015809E+18	5,215160E+20
1653	2,257843E+21	4,748656E+21	6,479901E+21	6,479650E+21	4,748276E+21	2,257639E+21	5,214361E+20	5,012800E+18	0,000000E+00	0,000000E+00	5,012400E+18	5,213818E+20
1654	2,257539E+21	4,748196E+21	6,479684E+21	6,479821E+21	4,748490E+21	2,257766E+21	5,215109E+20	5,019175E+18	0,000000E+00	0,000000E+00	5,018338E+18	5,214294E+20
1655	2,257630E+21	4,748341E+21	6,479735E+21	6,479692E+21	4,748168E+21	2,257469E+21	5,213743E+20	5,016419E+18	0,000000E+00	0,000000E+00	5,018706E+18	5,215323E+20
1656	2,257677E+21	4,748143E+21	6,479230E+21	6,479162E+21	4,748073E+21	2,257655E+21	5,215351E+20	5,020560E+18	0,000000E+00	0,000000E+00	5,020573E+18	5,214196E+20
1657	2,257388E+21	4,747715E+21	6,479072E+21	6,479214E+21	4,748048E+21	2,257618E+21	5,215156E+20	5,024671E+18	0,000000E+00	0,000000E+00	5,025426E+18	5,215483E+20
1658	2,257619E+21	4,747935E+21	6,478997E+21	6,478812E+21	4,747524E+21	2,257334E+21	5,214467E+20	5,022687E+18	0,000000E+00	0,000000E+00	5,024979E+18	5,215467E+20
1659	2,257468E+21	4,747500E+21	6,478426E+21	6,478483E+21	4,747614E+21	2,257574E+21	5,216262E+20	5,029618E+18	0,000000E+00	0,000000E+00	5,027075E+18	5,214529E+20
1660	2,257271E+21	4,747356E+21	6,478539E+21	6,478594E+21	4,747517E+21	2,257392E+21	5,215136E+20	5,029689E+18	0,000000E+00	0,000000E+00	5,030899E+18	5,216166E+20
1661	2,257519E+21	4,747516E+21	6,478407E+21	6,478211E+21	4,747179E+21	2,257318E+21	5,215395E+20	5,029415E+18	0,000000E+00	0,000000E+00	5,028944E+18	5,215336E+20
1662	2,257295E+21	4,747097E+21	6,478085E+21	6,478290E+21	4,747470E+21	2,257526E+21	5,216356E+20	5,032308E+18	0,000000E+00	0,000000E+00	5,030549E+18	5,215205E+20
1663	2,257364E+21	4,747386E+21	6,478429E+21	6,478419E+21	4,747320E+21	2,257273E+21	5,214710E+20	5,028826E+18	0,000000E+00	0,000000E+00	5,031571E+18	5,216411E+20
1664	2,257562E+21	4,747550E+21	6,478359E+21	6,478196E+21	4,747321E+21	2,257440E+21	5,215698E+20	5,027533E+18	0,000000E+00	0,000000E+00	5,026055E+18	5,214791E+20
1665	2,257297E+21	4,747325E+21	6,478541E+21	6,478712E+21	4,747687E+21	2,257542E+21	5,215695E+20	5,028251E+18	0,000000E+00	0,000000E+00	5,027585E+18	5,215259E+20
1666	2,257523E+21	4,747795E+21	6,478928E+21	6,478842E+21	4,747544E+21	2,257315E+21	5,214327E+20	5,023722E+18	0,000000E+00	0,000000E+00	5,024097E+18	5,215482E+20
1667	2,257509E+21	4,747679E+21	6,478707E+21	6,478779E+21	4,747851E+21	2,257620E+21	5,215758E+20	5,023453E+18	0,000000E+00	0,000000E+00	5,020915E+18	5,214117E+20
1668	2,257353E+21	4,747676E+21	6,479045E+21	6,479188E+21	4,748038E+21	2,257589E+21	5,214854E+20	5,023864E+18	0,000000E+00	0,000000E+00	5,024346E+18	5,215521E+20
1669	2,257686E+21	4,748116E+21	6,479245E+21	6,479071E+21	4,747772E+21	2,257446E+21	5,214362E+20	5,018632E+18	0,000000E+00	0,000000E+00	5,018392E+18	5,214841E+20
1670	2,257557E+21	4,747902E+21	6,479031E+21	6,479149E+21	4,748087E+21	2,257676E+21	5,215570E+20	5,021713E+18	0,000000E+00	0,000000E+00	5,020605E+18	5,214141E+20
1671	2,257498E+21	4,748061E+21	6,479407E+21	6,479380E+21	4,748028E+21	2,257475E+21	5,214107E+20	5,020587E+18	0,000000E+00	0,000000E+00	5,022072E+18	5,215564E+20
1672	2,257684E+21	4,748151E+21	6,479269E+21	6,479049E+21	4,747818E+21	2,257509E+21	5,214829E+20	5,019374E+18	0,000000E+00	0,000000E+00	5,019627E+18	5,214406E+20
1673	2,257397E+21	4,747643E+21	6,478969E+21	6,479184E+21	4,748050E+21	2,257660E+21	5,215659E+20	5,025967E+18	0,000000E+00	0,000000E+00	5,025112E+18	5,214811E+20
1674	2,257493E+21	4,747819E+21	6,479009E+21	6,478990E+21	4,747681E+21	2,257355E+21	5,214291E+20	5,023148E+18	0,000000E+00	0,000000E+00	5,025556E+18	5,215849E+20
1675	2,257533E+21	4,747586E+21	6,478444E+21	6,478391E+21	4,747520E+21	2,257514E+21	5,215942E+20	5,027922E+18	0,000000E+00	0,000000E+00	5,027277E+18	5,214690E+20
1676	2,257261E+21	4,747215E+21	6,478320E+21	6,478427E+21	4,747516E+21	2,257499E+21	5,215794E+20	5,032130E+18	0,000000E+00	0,000000E+00	5,032162E+18	5,215894E+20
1677	2,257455E+21	4,747410E+21	6,478301E+21	6,478088E+21	4,746980E+21	2,257198E+21	5,215117E+20	5,030539E+18	0,000000E+00	0,000000E+00	5,032069E+18	5,216008E+20
1678	2,257336E+21	4,746995E+21	6,477727E+21	6,477787E+21	4,747078E+21	2,257404E+21	5,216685E+20	5,036490E+18	0,000000E+00	0,000000E+00	5,034324E+18	5,215144E+20
1679	2,257152E+21	4,746862E+21	6,477849E+21	6,477922E+21	4,747031E+21	2,257249E+21	5,215523E+20	5,035816E+18	0,000000E+00	0,000000E+00	5,038265E+18	5,216817E+20
1680	2,257416E+21	4,747047E+21	6,477731E+21	6,477539E+21	4,746688E+21	2,257186E+21	5,215787E+20	5,035200E+18	0,000000E+00	0,000000E+00	5,035969E+18	5,216015E+20

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	2,257219E+21	4,746693E+21	6,477494E+21	6,477695E+21	4,747026E+21	2,257406E+21	5,216766E+20	5,037761E+18	0,000000E+00	0,000000E+00	5,036111E+18	5,215590E+20
1682	2,257258E+21	4,747020E+21	6,477918E+21	6,477868E+21	4,746900E+21	2,257166E+21	5,215152E+20	5,034424E+18	0,000000E+00	0,000000E+00	5,036565E+18	5,216650E+20
1683	2,257401E+21	4,747082E+21	6,477790E+21	6,477664E+21	4,746913E+21	2,257331E+21	5,216201E+20	5,033525E+18	0,000000E+00	0,000000E+00	5,030914E+18	5,215061E+20
1684	2,257153E+21	4,746865E+21	6,477917E+21	6,478141E+21	4,747330E+21	2,257470E+21	5,216246E+20	5,034554E+18	0,000000E+00	0,000000E+00	5,033126E+18	5,215593E+20
1685	2,257372E+21	4,747306E+21	6,478284E+21	6,478241E+21	4,747145E+21	2,257234E+21	5,214888E+20	5,029914E+18	0,000000E+00	0,000000E+00	5,029960E+18	5,216022E+20
1686	2,257430E+21	4,747275E+21	6,478081E+21	6,478144E+21	4,747381E+21	2,257480E+21	5,216085E+20	5,028743E+18	0,000000E+00	0,000000E+00	5,026968E+18	5,214666E+20
1687	2,257285E+21	4,747323E+21	6,478478E+21	6,478575E+21	4,747572E+21	2,257450E+21	5,215176E+20	5,029027E+18	0,000000E+00	0,000000E+00	5,030244E+18	5,215983E+20
1688	2,257586E+21	4,747736E+21	6,478701E+21	6,478489E+21	4,747311E+21	2,257314E+21	5,214744E+20	5,024144E+18	0,000000E+00	0,000000E+00	5,024539E+18	5,215334E+20
1689	2,257444E+21	4,747489E+21	6,478506E+21	6,478634E+21	4,747666E+21	2,257553E+21	5,216018E+20	5,027846E+18	0,000000E+00	0,000000E+00	5,026459E+18	5,214510E+20
1690	2,257349E+21	4,747588E+21	6,478810E+21	6,478819E+21	4,747617E+21	2,257369E+21	5,214616E+20	5,027063E+18	0,000000E+00	0,000000E+00	5,028361E+18	5,215987E+20
1691	2,257514E+21	4,747573E+21	6,478511E+21	6,478374E+21	4,747356E+21	2,257399E+21	5,215419E+20	5,026482E+18	0,000000E+00	0,000000E+00	5,026672E+18	5,214993E+20
1692	2,257279E+21	4,747124E+21	6,478159E+21	6,478388E+21	4,747550E+21	2,257561E+21	5,216306E+20	5,033307E+18	0,000000E+00	0,000000E+00	5,032299E+18	5,215353E+20
1693	2,257355E+21	4,747298E+21	6,478249E+21	6,478198E+21	4,747117E+21	2,257223E+21	5,214940E+20	5,030675E+18	0,000000E+00	0,000000E+00	5,032832E+18	5,216437E+20
1694	2,257422E+21	4,747109E+21	6,477726E+21	6,477618E+21	4,746908E+21	2,257325E+21	5,216381E+20	5,035016E+18	0,000000E+00	0,000000E+00	5,034502E+18	5,215223E+20
1695	2,257123E+21	4,746722E+21	6,477641E+21	6,477724E+21	4,746958E+21	2,257323E+21	5,216229E+20	5,038845E+18	0,000000E+00	0,000000E+00	5,039422E+18	5,216424E+20
1696	2,257299E+21	4,746871E+21	6,477596E+21	6,477411E+21	4,746473E+21	2,257050E+21	5,215571E+20	5,037366E+18	0,000000E+00	0,000000E+00	5,039752E+18	5,216686E+20
1697	2,257213E+21	4,746487E+21	6,477047E+21	6,477146E+21	4,746614E+21	2,257281E+21	5,217144E+20	5,042790E+18	0,000000E+00	0,000000E+00	5,040946E+18	5,215702E+20
1698	2,257043E+21	4,746417E+21	6,477214E+21	6,477288E+21	4,746580E+21	2,257141E+21	5,216017E+20	5,041884E+18	0,000000E+00	0,000000E+00	5,044373E+18	5,217246E+20
1699	2,257286E+21	4,746574E+21	6,477074E+21	6,476907E+21	4,746240E+21	2,257076E+21	5,216323E+20	5,041515E+18	0,000000E+00	0,000000E+00	5,041451E+18	5,216383E+20
1700	2,257100E+21	4,746276E+21	6,476870E+21	6,477064E+21	4,746617E+21	2,257326E+21	5,217363E+20	5,044185E+18	0,000000E+00	0,000000E+00	5,041385E+18	5,215832E+20
1701	2,257089E+21	4,746548E+21	6,477337E+21	6,477306E+21	4,746489E+21	2,257071E+21	5,215758E+20	5,041123E+18	0,000000E+00	0,000000E+00	5,042123E+18	5,217036E+20
1702	2,257274E+21	4,746621E+21	6,477164E+21	6,477074E+21	4,746476E+21	2,257193E+21	5,216574E+20	5,039286E+18	0,000000E+00	0,000000E+00	5,036841E+18	5,215576E+20
1703	2,257052E+21	4,746437E+21	6,477297E+21	6,477529E+21	4,746897E+21	2,257347E+21	5,216600E+20	5,039790E+18	0,000000E+00	0,000000E+00	5,039518E+18	5,216193E+20
1704	2,257293E+21	4,746915E+21	6,477683E+21	6,477618E+21	4,746688E+21	2,257106E+21	5,215226E+20	5,034969E+18	0,000000E+00	0,000000E+00	5,036276E+18	5,216661E+20
1705	2,257369E+21	4,746943E+21	6,477571E+21	6,477584E+21	4,746943E+21	2,257348E+21	5,216405E+20	5,033793E+18	0,000000E+00	0,000000E+00	5,032385E+18	5,215064E+20
1706	2,257190E+21	4,746988E+21	6,478012E+21	6,478063E+21	4,747162E+21	2,257333E+21	5,215581E+20	5,034542E+18	0,000000E+00	0,000000E+00	5,035397E+18	5,216236E+20
1707	2,257423E+21	4,747260E+21	6,478119E+21	6,477963E+21	4,746910E+21	2,257200E+21	5,215255E+20	5,030502E+18	0,000000E+00	0,000000E+00	5,030178E+18	5,215677E+20
1708	2,257291E+21	4,746989E+21	6,477818E+21	6,478010E+21	4,747283E+21	2,257479E+21	5,216645E+20	5,034891E+18	0,000000E+00	0,000000E+00	5,032822E+18	5,214918E+20
1709	2,257176E+21	4,747028E+21	6,478077E+21	6,478134E+21	4,747161E+21	2,257279E+21	5,215290E+20	5,034243E+18	0,000000E+00	0,000000E+00	5,035236E+18	5,216573E+20
1710	2,257404E+21	4,747066E+21	6,477743E+21	6,477604E+21	4,746800E+21	2,257239E+21	5,215876E+20	5,033122E+18	0,000000E+00	0,000000E+00	5,033963E+18	5,215629E+20
1711	2,257180E+21	4,746671E+21	6,477444E+21	6,477613E+21	4,746977E+21	2,257396E+21	5,216748E+20	5,039680E+18	0,000000E+00	0,000000E+00	5,039491E+18	5,215934E+20
1712	2,257229E+21	4,746821E+21	6,477562E+21	6,477460E+21	4,746546E+21	2,257057E+21	5,215409E+20	5,037398E+18	0,000000E+00	0,000000E+00	5,040282E+18	5,217048E+20
1713	2,257291E+21	4,746628E+21	6,477099E+21	6,476978E+21	4,746392E+21	2,257162E+21	5,216823E+20	5,041911E+18	0,000000E+00	0,000000E+00	5,041330E+18	5,215726E+20
1714	2,256979E+21	4,746221E+21	6,476988E+21	6,477096E+21	4,746490E+21	2,257189E+21	5,216735E+20	5,045722E+18	0,000000E+00	0,000000E+00	5,046228E+18	5,216913E+20
1715	2,257138E+21	4,746300E+21	6,476839E+21	6,476729E+21	4,746009E+21	2,256937E+21	5,216176E+20	5,044696E+18	0,000000E+00	0,000000E+00	5,046757E+18	5,217259E+20
1716	2,257101E+21	4,746006E+21	6,476307E+21	6,476414E+21	4,746157E+21	2,257193E+21	5,217797E+20	5,049951E+18	0,000000E+00	0,000000E+00	5,047431E+18	5,216150E+20

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	2,256899E+21	4,745933E+21	6,476551E+21	6,476607E+21	4,746100E+21	2,257040E+21	5,216699E+20	5,049062E+18	0,000000E+00	0,000000E+00	5,050599E+18	5,217669E+20
1718	2,257162E+21	4,746118E+21	6,476436E+21	6,476253E+21	4,745742E+21	2,256925E+21	5,216763E+20	5,047868E+18	0,000000E+00	0,000000E+00	5,047490E+18	5,216792E+20
1719	2,256963E+21	4,745822E+21	6,476258E+21	6,476446E+21	4,746153E+21	2,257183E+21	5,217756E+20	5,049928E+18	0,000000E+00	0,000000E+00	5,047661E+18	5,216299E+20
1720	2,256946E+21	4,746050E+21	6,476680E+21	6,476692E+21	4,746058E+21	2,256948E+21	5,216130E+20	5,046720E+18	0,000000E+00	0,000000E+00	5,048668E+18	5,217653E+20
1721	2,257177E+21	4,746196E+21	6,476583E+21	6,476501E+21	4,746056E+21	2,257067E+21	5,216864E+20	5,044152E+18	0,000000E+00	0,000000E+00	5,042492E+18	5,216115E+20
1722	2,256983E+21	4,746090E+21	6,476769E+21	6,476963E+21	4,746475E+21	2,257225E+21	5,216940E+20	5,044714E+18	0,000000E+00	0,000000E+00	5,044734E+18	5,216578E+20
1723	2,257192E+21	4,746531E+21	6,477134E+21	6,477059E+21	4,746286E+21	2,257002E+21	5,215677E+20	5,040421E+18	0,000000E+00	0,000000E+00	5,041154E+18	5,217006E+20
1724	2,257271E+21	4,746594E+21	6,477043E+21	6,477026E+21	4,746569E+21	2,257267E+21	5,216952E+20	5,039963E+18	0,000000E+00	0,000000E+00	5,037504E+18	5,215314E+20
1725	2,257028E+21	4,746533E+21	6,477463E+21	6,477538E+21	4,746779E+21	2,257244E+21	5,216203E+20	5,041291E+18	0,000000E+00	0,000000E+00	5,041148E+18	5,216625E+20
1726	2,257286E+21	4,746763E+21	6,477453E+21	6,477347E+21	4,746474E+21	2,257068E+21	5,215682E+20	5,036779E+18	0,000000E+00	0,000000E+00	5,036921E+18	5,216242E+20
1727	2,257174E+21	4,746504E+21	6,477108E+21	6,477296E+21	4,746788E+21	2,257346E+21	5,217095E+20	5,041057E+18	0,000000E+00	0,000000E+00	5,040237E+18	5,215595E+20
1728	2,257068E+21	4,746537E+21	6,477346E+21	6,477384E+21	4,746624E+21	2,257132E+21	5,215745E+20	5,040483E+18	0,000000E+00	0,000000E+00	5,042666E+18	5,217250E+20
1729	2,257304E+21	4,746632E+21	6,477111E+21	6,476903E+21	4,746256E+21	2,257075E+21	5,216291E+20	5,039558E+18	0,000000E+00	0,000000E+00	5,040666E+18	5,216136E+20
1730	2,257056E+21	4,746230E+21	6,476843E+21	6,476954E+21	4,746450E+21	2,257239E+21	5,217240E+20	5,046513E+18	0,000000E+00	0,000000E+00	5,045790E+18	5,216299E+20
1731	2,257048E+21	4,746257E+21	6,476855E+21	6,476799E+21	4,746065E+21	2,256925E+21	5,216017E+20	5,044967E+18	0,000000E+00	0,000000E+00	5,047097E+18	5,217520E+20
1732	2,257135E+21	4,746076E+21	6,476334E+21	6,476265E+21	4,745950E+21	2,257070E+21	5,217492E+20	5,049765E+18	0,000000E+00	0,000000E+00	5,048341E+18	5,216220E+20
1733	2,256813E+21	4,745649E+21	6,476237E+21	6,476389E+21	4,746014E+21	2,257089E+21	5,217444E+20	5,053323E+18	0,000000E+00	0,000000E+00	5,053335E+18	5,217506E+20
1734	2,257027E+21	4,745787E+21	6,476079E+21	6,475976E+21	4,745480E+21	2,256788E+21	5,216679E+20	5,051665E+18	0,000000E+00	0,000000E+00	5,053885E+18	5,217828E+20
1735	2,256990E+21	4,745556E+21	6,475637E+21	6,475689E+21	4,745633E+21	2,257051E+21	5,218269E+20	5,056135E+18	0,000000E+00	0,000000E+00	5,054160E+18	5,216676E+20
1736	2,256766E+21	4,745459E+21	6,475916E+21	6,475946E+21	4,745596E+21	2,256897E+21	5,217150E+20	5,055263E+18	0,000000E+00	0,000000E+00	5,057242E+18	5,218172E+20
1737	2,257027E+21	4,745663E+21	6,475860E+21	6,475671E+21	4,745292E+21	2,256781E+21	5,217113E+20	5,053607E+18	0,000000E+00	0,000000E+00	5,053382E+18	5,217270E+20
1738	2,256847E+21	4,745388E+21	6,475675E+21	6,475869E+21	4,745739E+21	2,257060E+21	5,218108E+20	5,055249E+18	0,000000E+00	0,000000E+00	5,053350E+18	5,216756E+20
1739	2,256833E+21	4,745589E+21	6,476033E+21	6,476076E+21	4,745651E+21	2,256847E+21	5,216582E+20	5,052383E+18	0,000000E+00	0,000000E+00	5,054275E+18	5,218166E+20
1740	2,257111E+21	4,745840E+21	6,475995E+21	6,475889E+21	4,745666E+21	2,256981E+21	5,217350E+20	5,049901E+18	0,000000E+00	0,000000E+00	5,047617E+18	5,216466E+20
1741	2,256874E+21	4,745726E+21	6,476277E+21	6,476429E+21	4,746074E+21	2,257129E+21	5,217495E+20	5,050852E+18	0,000000E+00	0,000000E+00	5,049850E+18	5,216899E+20
1742	2,257079E+21	4,746132E+21	6,476603E+21	6,476517E+21	4,745868E+21	2,256870E+21	5,216088E+20	5,046303E+18	0,000000E+00	0,000000E+00	5,046526E+18	5,217325E+20
1743	2,257130E+21	4,746159E+21	6,476489E+21	6,476469E+21	4,746157E+21	2,257147E+21	5,217372E+20	5,045730E+18	0,000000E+00	0,000000E+00	5,043832E+18	5,215791E+20
1744	2,256880E+21	4,746016E+21	6,476795E+21	6,476915E+21	4,746353E+21	2,257132E+21	5,216650E+20	5,047229E+18	0,000000E+00	0,000000E+00	5,047963E+18	5,217210E+20
1745	2,257165E+21	4,746292E+21	6,476812E+21	6,476698E+21	4,746014E+21	2,256938E+21	5,216063E+20	5,042433E+18	0,000000E+00	0,000000E+00	5,043452E+18	5,216833E+20
1746	2,257083E+21	4,746080E+21	6,476476E+21	6,476615E+21	4,746291E+21	2,257206E+21	5,217516E+20	5,047080E+18	0,000000E+00	0,000000E+00	5,046450E+18	5,216052E+20
1747	2,256940E+21	4,746050E+21	6,476658E+21	6,476681E+21	4,746131E+21	2,257006E+21	5,216306E+20	5,047231E+18	0,000000E+00	0,000000E+00	5,048882E+18	5,217699E+20
1748	2,257178E+21	4,746165E+21	6,476442E+21	6,476216E+21	4,745780E+21	2,256958E+21	5,216928E+20	5,047267E+18	0,000000E+00	0,000000E+00	5,047153E+18	5,216524E+20
1749	2,256879E+21	4,745681E+21	6,476168E+21	6,476303E+21	4,745970E+21	2,257115E+21	5,217922E+20	5,054513E+18	0,000000E+00	0,000000E+00	5,052768E+18	5,216834E+20
1750	2,256902E+21	4,745683E+21	6,476076E+21	6,476063E+21	4,745556E+21	2,256780E+21	5,216555E+20	5,052470E+18	0,000000E+00	0,000000E+00	5,054981E+18	5,218190E+20
1751	2,257017E+21	4,745559E+21	6,475579E+21	6,475479E+21	4,745395E+21	2,256924E+21	5,218001E+20	5,056711E+18	0,000000E+00	0,000000E+00	5,056478E+18	5,216970E+20
1752	2,256703E+21	4,745139E+21	6,475484E+21	6,475610E+21	4,745456E+21	2,256939E+21	5,217941E+20	5,059966E+18	0,000000E+00	0,000000E+00	5,060960E+18	5,218137E+20

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												
1753	2,256913E+21	4,745347E+21	6,475461E+21	6,475293E+21	4,744956E+21	2,256631E+21	5,217074E+20	5,057952E+18	0,000000E+00	0,000000E+00	5,060517E+18	5,218306E+20
1754	2,256860E+21	4,745110E+21	6,475054E+21	6,475065E+21	4,745142E+21	2,256903E+21	5,218682E+20	5,062202E+18	0,000000E+00	0,000000E+00	5,059853E+18	5,217003E+20
1755	2,256595E+21	4,744914E+21	6,475238E+21	6,475331E+21	4,745175E+21	2,256787E+21	5,217668E+20	5,061720E+18	0,000000E+00	0,000000E+00	5,063029E+18	5,218576E+20
1756	2,256894E+21	4,745175E+21	6,475179E+21	6,475043E+21	4,744908E+21	2,256702E+21	5,217665E+20	5,060067E+18	0,000000E+00	0,000000E+00	5,058932E+18	5,217679E+20
1757	2,256720E+21	4,744930E+21	6,475064E+21	6,475273E+21	4,745325E+21	2,256967E+21	5,218664E+20	5,061355E+18	0,000000E+00	0,000000E+00	5,058883E+18	5,217234E+20
1758	2,256757E+21	4,745195E+21	6,475430E+21	6,475454E+21	4,745212E+21	2,256723E+21	5,216991E+20	5,058062E+18	0,000000E+00	0,000000E+00	5,059792E+18	5,218592E+20
1759	2,257026E+21	4,745502E+21	6,475494E+21	6,475311E+21	4,745225E+21	2,256859E+21	5,217728E+20	5,055105E+18	0,000000E+00	0,000000E+00	5,053287E+18	5,216891E+20
1760	2,256759E+21	4,745327E+21	6,475762E+21	6,475900E+21	4,745659E+21	2,257007E+21	5,217894E+20	5,056414E+18	0,000000E+00	0,000000E+00	5,055676E+18	5,217291E+20
1761	2,256946E+21	4,745715E+21	6,476099E+21	6,476020E+21	4,745490E+21	2,256748E+21	5,216412E+20	5,051685E+18	0,000000E+00	0,000000E+00	5,052249E+18	5,217770E+20
1762	2,257011E+21	4,745716E+21	6,475911E+21	6,475903E+21	4,745755E+21	2,257035E+21	5,217749E+20	5,051225E+18	0,000000E+00	0,000000E+00	5,049843E+18	5,216277E+20
1763	2,256760E+21	4,745514E+21	6,476091E+21	6,476248E+21	4,745920E+21	2,257034E+21	5,217169E+20	5,053318E+18	0,000000E+00	0,000000E+00	5,054115E+18	5,217743E+20
1764	2,257075E+21	4,745861E+21	6,476131E+21	6,475999E+21	4,745561E+21	2,256839E+21	5,216646E+20	5,049171E+18	0,000000E+00	0,000000E+00	5,049534E+18	5,217260E+20
1765	2,256954E+21	4,745631E+21	6,475869E+21	6,475961E+21	4,745795E+21	2,257079E+21	5,218129E+20	5,054343E+18	0,000000E+00	0,000000E+00	5,052784E+18	5,216496E+20
1766	2,256809E+21	4,745551E+21	6,475975E+21	6,475984E+21	4,745602E+21	2,256848E+21	5,216829E+20	5,054489E+18	0,000000E+00	0,000000E+00	5,055749E+18	5,218166E+20
1767	2,257025E+21	4,745637E+21	6,475746E+21	6,475514E+21	4,745259E+21	2,256810E+21	5,217425E+20	5,054451E+18	0,000000E+00	0,000000E+00	5,055009E+18	5,217165E+20
1768	2,256730E+21	4,745107E+21	6,475404E+21	6,475567E+21	4,745448E+21	2,256972E+21	5,218411E+20	5,061443E+18	0,000000E+00	0,000000E+00	5,060683E+18	5,217511E+20
1769	2,256778E+21	4,745177E+21	6,475367E+21	6,475328E+21	4,745027E+21	2,256631E+21	5,216992E+20	5,059027E+18	0,000000E+00	0,000000E+00	5,062478E+18	5,218827E+20
1770	2,256913E+21	4,745101E+21	6,474915E+21	6,474767E+21	4,744869E+21	2,256781E+21	5,218461E+20	5,063149E+18	0,000000E+00	0,000000E+00	5,062992E+18	5,217443E+20
1771	2,256565E+21	4,744631E+21	6,474785E+21	6,474909E+21	4,744967E+21	2,256821E+21	5,218530E+20	5,066785E+18	0,000000E+00	0,000000E+00	5,067047E+18	5,218517E+20
1772	2,256768E+21	4,744856E+21	6,474794E+21	6,474644E+21	4,744514E+21	2,256530E+21	5,217716E+20	5,065373E+18	0,000000E+00	0,000000E+00	5,066436E+18	5,218627E+20
1773	2,256683E+21	4,744575E+21	6,474407E+21	6,474464E+21	4,744706E+21	2,256793E+21	5,219286E+20	5,069291E+18	0,000000E+00	0,000000E+00	5,065893E+18	5,217476E+20
1774	2,256465E+21	4,744384E+21	6,474501E+21	6,474639E+21	4,744707E+21	2,256662E+21	5,218148E+20	5,068275E+18	0,000000E+00	0,000000E+00	5,069598E+18	5,219131E+20
1775	2,256801E+21	4,744743E+21	6,474533E+21	6,474361E+21	4,744417E+21	2,256575E+21	5,218077E+20	5,065807E+18	0,000000E+00	0,000000E+00	5,065562E+18	5,218301E+20
1776	2,256642E+21	4,744540E+21	6,474478E+21	6,474645E+21	4,744850E+21	2,256830E+21	5,219030E+20	5,066779E+18	0,000000E+00	0,000000E+00	5,065037E+18	5,217720E+20
1777	2,256667E+21	4,744867E+21	6,474971E+21	6,474922E+21	4,744785E+21	2,256591E+21	5,217310E+20	5,063308E+18	0,000000E+00	0,000000E+00	5,065241E+18	5,218963E+20
1778	2,256914E+21	4,745135E+21	6,475040E+21	6,474838E+21	4,744835E+21	2,256737E+21	5,218051E+20	5,060194E+18	0,000000E+00	0,000000E+00	5,058349E+18	5,217189E+20
1779	2,256609E+21	4,744839E+21	6,475154E+21	6,475373E+21	4,745313E+21	2,256924E+21	5,218355E+20	5,062087E+18	0,000000E+00	0,000000E+00	5,061118E+18	5,217670E+20
1780	2,256817E+21	4,745241E+21	6,475444E+21	6,475437E+21	4,745137E+21	2,256681E+21	5,216949E+20	5,057780E+18	0,000000E+00	0,000000E+00	5,057816E+18	5,218178E+20
1781	2,256884E+21	4,745249E+21	6,475277E+21	6,475285E+21	4,745318E+21	2,256937E+21	5,218312E+20	5,057533E+18	0,000000E+00	0,000000E+00	5,055819E+18	5,216794E+20
1782	2,256671E+21	4,745068E+21	6,475400E+21	6,475538E+21	4,745422E+21	2,256905E+21	5,217658E+20	5,059674E+18	0,000000E+00	0,000000E+00	5,060296E+18	5,218214E+20
1783	2,256971E+21	4,745453E+21	6,475524E+21	6,475308E+21	4,745027E+21	2,256695E+21	5,217118E+20	5,055603E+18	0,000000E+00	0,000000E+00	5,056437E+18	5,217804E+20
1784	2,256824E+21	4,745150E+21	6,475226E+21	6,475300E+21	4,745270E+21	2,256918E+21	5,218574E+20	5,061157E+18	0,000000E+00	0,000000E+00	5,059955E+18	5,217024E+20
1785	2,256668E+21	4,745068E+21	6,475342E+21	6,475344E+21	4,745116E+21	2,256695E+21	5,217227E+20	5,061008E+18	0,000000E+00	0,000000E+00	5,063052E+18	5,218772E+20
1786	2,256901E+21	4,745135E+21	6,475061E+21	6,474836E+21	4,744757E+21	2,256667E+21	5,217855E+20	5,061092E+18	0,000000E+00	0,000000E+00	5,062315E+18	5,217764E+20
1787	2,256602E+21	4,744566E+21	6,474632E+21	6,474823E+21	4,744948E+21	2,256857E+21	5,218992E+20	5,068351E+18	0,000000E+00	0,000000E+00	5,067604E+18	5,218054E+20
1788	2,256659E+21	4,744691E+21	6,474649E+21	6,474608E+21	4,744545E+21	2,256530E+21	5,217671E+20	5,066655E+18	0,000000E+00	0,000000E+00	5,069046E+18	5,219201E+20

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												
1825	2,256345E+21	4,743570E+21	6,473156E+21	6,473298E+21	4,743838E+21	2,256556E+21	5,220072E+20	5,082714E+18	0,000000E+00	0,000000E+00	5,081855E+18	5,219077E+20
1826	2,256359E+21	4,743653E+21	6,473243E+21	6,473175E+21	4,743454E+21	2,256227E+21	5,218696E+20	5,080794E+18	0,000000E+00	0,000000E+00	5,083701E+18	5,220289E+20
1827	2,256435E+21	4,743466E+21	6,472768E+21	6,472688E+21	4,743328E+21	2,256364E+21	5,220085E+20	5,084584E+18	0,000000E+00	0,000000E+00	5,083517E+18	5,219011E+20
1828	2,256152E+21	4,743075E+21	6,472626E+21	6,472819E+21	4,743474E+21	2,256417E+21	5,220081E+20	5,087316E+18	0,000000E+00	0,000000E+00	5,087215E+18	5,220052E+20
1829	2,256385E+21	4,743403E+21	6,472775E+21	6,472645E+21	4,743070E+21	2,256148E+21	5,219130E+20	5,084672E+18	0,000000E+00	0,000000E+00	5,086412E+18	5,220344E+20
1830	2,256366E+21	4,743197E+21	6,472381E+21	6,472441E+21	4,743281E+21	2,256416E+21	5,220614E+20	5,087228E+18	0,000000E+00	0,000000E+00	5,084297E+18	5,218959E+20
1831	2,256172E+21	4,743222E+21	6,472806E+21	6,472840E+21	4,743374E+21	2,256322E+21	5,219570E+20	5,086278E+18	0,000000E+00	0,000000E+00	5,087251E+18	5,220352E+20
1832	2,256448E+21	4,743535E+21	6,472955E+21	6,472803E+21	4,743197E+21	2,256224E+21	5,219342E+20	5,082914E+18	0,000000E+00	0,000000E+00	5,081682E+18	5,219401E+20
1833	2,256270E+21	4,743275E+21	6,472748E+21	6,472977E+21	4,743663E+21	2,256509E+21	5,220294E+20	5,083511E+18	0,000000E+00	0,000000E+00	5,081532E+18	5,218863E+20
1834	2,256293E+21	4,743575E+21	6,473228E+21	6,473256E+21	4,743622E+21	2,256307E+21	5,218644E+20	5,080260E+18	0,000000E+00	0,000000E+00	5,082035E+18	5,220182E+20
1835	2,256537E+21	4,743792E+21	6,473218E+21	6,473109E+21	4,743609E+21	2,256417E+21	5,219328E+20	5,076586E+18	0,000000E+00	0,000000E+00	5,075491E+18	5,218643E+20
1836	2,256332E+21	4,743633E+21	6,473322E+21	6,473515E+21	4,744000E+21	2,256580E+21	5,219686E+20	5,079466E+18	0,000000E+00	0,000000E+00	5,078591E+18	5,219003E+20
1837	2,256507E+21	4,744052E+21	6,473735E+21	6,473645E+21	4,743782E+21	2,256317E+21	5,218274E+20	5,075160E+18	0,000000E+00	0,000000E+00	5,075626E+18	5,219579E+20
1838	2,256537E+21	4,743932E+21	6,473416E+21	6,473415E+21	4,743926E+21	2,256541E+21	5,219631E+20	5,076149E+18	0,000000E+00	0,000000E+00	5,074511E+18	5,218121E+20
1839	2,256285E+21	4,743736E+21	6,473587E+21	6,473697E+21	4,744041E+21	2,256534E+21	5,219182E+20	5,079469E+18	0,000000E+00	0,000000E+00	5,079777E+18	5,219588E+20
1840	2,256536E+21	4,743950E+21	6,473563E+21	6,473453E+21	4,743641E+21	2,256305E+21	5,218596E+20	5,075711E+18	0,000000E+00	0,000000E+00	5,077139E+18	5,219412E+20
1841	2,256431E+21	4,743621E+21	6,473019E+21	6,473147E+21	4,743781E+21	2,256537E+21	5,220129E+20	5,081715E+18	0,000000E+00	0,000000E+00	5,081302E+18	5,218754E+20
1842	2,256291E+21	4,743573E+21	6,473184E+21	6,473166E+21	4,743577E+21	2,256327E+21	5,218961E+20	5,082033E+18	0,000000E+00	0,000000E+00	5,084506E+18	5,220365E+20
1843	2,256478E+21	4,743583E+21	6,472912E+21	6,472695E+21	4,743180E+21	2,256251E+21	5,219572E+20	5,082942E+18	0,000000E+00	0,000000E+00	5,083908E+18	5,219404E+20
1844	2,256200E+21	4,743047E+21	6,472465E+21	6,472647E+21	4,743369E+21	2,256430E+21	5,220684E+20	5,090210E+18	0,000000E+00	0,000000E+00	5,088434E+18	5,219532E+20
1845	2,256198E+21	4,743102E+21	6,472528E+21	6,472513E+21	4,742992E+21	2,256110E+21	5,219295E+20	5,088169E+18	0,000000E+00	0,000000E+00	5,090713E+18	5,220880E+20
1846	2,256311E+21	4,742929E+21	6,471977E+21	6,471914E+21	4,742809E+21	2,256237E+21	5,220641E+20	5,091702E+18	0,000000E+00	0,000000E+00	5,090284E+18	5,219563E+20
1847	2,256043E+21	4,742632E+21	6,471972E+21	6,472101E+21	4,742946E+21	2,256289E+21	5,220658E+20	5,094129E+18	0,000000E+00	0,000000E+00	5,094091E+18	5,220551E+20
1848	2,256258E+21	4,742949E+21	6,472158E+21	6,472017E+21	4,742590E+21	2,256011E+21	5,219638E+20	5,091410E+18	0,000000E+00	0,000000E+00	5,092708E+18	5,220733E+20
1849	2,256235E+21	4,742796E+21	6,471829E+21	6,471853E+21	4,742832E+21	2,256280E+21	5,221012E+20	5,093099E+18	0,000000E+00	0,000000E+00	5,090306E+18	5,219381E+20
1850	2,256029E+21	4,742758E+21	6,472226E+21	6,472296E+21	4,742977E+21	2,256201E+21	5,219931E+20	5,091777E+18	0,000000E+00	0,000000E+00	5,093007E+18	5,220754E+20
1851	2,256309E+21	4,743045E+21	6,472301E+21	6,472208E+21	4,742812E+21	2,256123E+21	5,219702E+20	5,087941E+18	0,000000E+00	0,000000E+00	5,087276E+18	5,219905E+20
1852	2,256176E+21	4,742854E+21	6,472145E+21	6,472397E+21	4,743273E+21	2,256414E+21	5,220759E+20	5,088981E+18	0,000000E+00	0,000000E+00	5,086797E+18	5,219270E+20
1853	2,256196E+21	4,743185E+21	6,472676E+21	6,472704E+21	4,743236E+21	2,256210E+21	5,219106E+20	5,085790E+18	0,000000E+00	0,000000E+00	5,087211E+18	5,220600E+20
1854	2,256440E+21	4,743400E+21	6,472635E+21	6,472489E+21	4,743172E+21	2,256305E+21	5,219794E+20	5,082523E+18	0,000000E+00	0,000000E+00	5,080798E+18	5,219008E+20
1855	2,256215E+21	4,743245E+21	6,472804E+21	6,472936E+21	4,743546E+21	2,256462E+21	5,220217E+20	5,085921E+18	0,000000E+00	0,000000E+00	5,084784E+18	5,219423E+20
1856	2,256362E+21	4,743569E+21	6,473127E+21	6,473079E+21	4,743364E+21	2,256190E+21	5,218742E+20	5,081582E+18	0,000000E+00	0,000000E+00	5,082180E+18	5,220089E+20
1857	2,256424E+21	4,743496E+21	6,472769E+21	6,472747E+21	4,743456E+21	2,256404E+21	5,220008E+20	5,082228E+18	0,000000E+00	0,000000E+00	5,081791E+18	5,218800E+20
1858	2,256189E+21	4,743275E+21	6,472908E+21	6,473005E+21	4,743545E+21	2,256393E+21	5,219584E+20	5,085386E+18	0,000000E+00	0,000000E+00	5,086711E+18	5,220174E+20
1859	2,256430E+21	4,743491E+21	6,472876E+21	6,472739E+21	4,743137E+21	2,256166E+21	5,219051E+20	5,081994E+18	0,000000E+00	0,000000E+00	5,084078E+18	5,219964E+20
1860	2,256314E+21	4,743164E+21	6,472391E+21	6,472482E+21	4,743285E+21	2,256410E+21	5,220764E+20	5,089195E+18	0,000000E+00	0,000000E+00	5,087666E+18	5,219126E+20

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	2,256129E+21	4,742458E+21	6,471440E+21	6,471270E+21	4,742083E+21	2,255885E+21	5,220159E+20	5,096780E+18	0,000000E+00	0,000000E+00	5,098348E+18	5,221023E+20
1898	2,256012E+21	4,742085E+21	6,470960E+21	6,471027E+21	4,742198E+21	2,256102E+21	5,221798E+20	5,103791E+18	0,000000E+00	0,000000E+00	5,102592E+18	5,220281E+20
1899	2,255821E+21	4,741887E+21	6,470962E+21	6,471038E+21	4,742058E+21	2,255911E+21	5,220621E+20	5,103823E+18	0,000000E+00	0,000000E+00	5,106416E+18	5,222065E+20
1900	2,256069E+21	4,741972E+21	6,470656E+21	6,470452E+21	4,741585E+21	2,255817E+21	5,221115E+20	5,104801E+18	0,000000E+00	0,000000E+00	5,105996E+18	5,221233E+20
1901	2,255834E+21	4,741544E+21	6,470333E+21	6,470454E+21	4,741789E+21	2,256011E+21	5,222227E+20	5,110693E+18	0,000000E+00	0,000000E+00	5,109471E+18	5,221156E+20
1902	2,255811E+21	4,741605E+21	6,470418E+21	6,470366E+21	4,741474E+21	2,255719E+21	5,220916E+20	5,109067E+18	0,000000E+00	0,000000E+00	5,111330E+18	5,222385E+20
1903	2,255944E+21	4,741584E+21	6,470136E+21	6,469973E+21	4,741358E+21	2,255852E+21	5,222208E+20	5,112078E+18	0,000000E+00	0,000000E+00	5,109659E+18	5,220964E+20
1904	2,255626E+21	4,741169E+21	6,470081E+21	6,470310E+21	4,741655E+21	2,255940E+21	5,222152E+20	5,113323E+18	0,000000E+00	0,000000E+00	5,112516E+18	5,221786E+20
1905	2,255843E+21	4,741484E+21	6,470157E+21	6,470089E+21	4,741271E+21	2,255666E+21	5,220958E+20	5,109662E+18	0,000000E+00	0,000000E+00	5,111225E+18	5,222223E+20
1906	2,255889E+21	4,741444E+21	6,469987E+21	6,470003E+21	4,741500E+21	2,255927E+21	5,222294E+20	5,110030E+18	0,000000E+00	0,000000E+00	5,107840E+18	5,220791E+20
1907	2,255711E+21	4,741461E+21	6,470394E+21	6,470488E+21	4,741715E+21	2,255876E+21	5,221218E+20	5,108634E+18	0,000000E+00	0,000000E+00	5,110094E+18	5,222106E+20
1908	2,256036E+21	4,741903E+21	6,470623E+21	6,470435E+21	4,741514E+21	2,255771E+21	5,220899E+20	5,104535E+18	0,000000E+00	0,000000E+00	5,103537E+18	5,221211E+20
1909	2,255894E+21	4,741761E+21	6,470626E+21	6,470773E+21	4,742026E+21	2,256058E+21	5,221959E+20	5,105559E+18	0,000000E+00	0,000000E+00	5,103322E+18	5,220385E+20
1910	2,255831E+21	4,741914E+21	6,470988E+21	6,471049E+21	4,742046E+21	2,255893E+21	5,220461E+20	5,103461E+18	0,000000E+00	0,000000E+00	5,104010E+18	5,221799E+20
1911	2,256087E+21	4,742145E+21	6,470975E+21	6,470828E+21	4,741943E+21	2,255974E+21	5,221115E+20	5,100420E+18	0,000000E+00	0,000000E+00	5,098965E+18	5,220410E+20
1912	2,255853E+21	4,741854E+21	6,470935E+21	6,471170E+21	4,742314E+21	2,256141E+21	5,221585E+20	5,103976E+18	0,000000E+00	0,000000E+00	5,103146E+18	5,220770E+20
1913	2,256002E+21	4,742178E+21	6,471109E+21	6,471037E+21	4,741962E+21	2,255840E+21	5,220136E+20	5,100024E+18	0,000000E+00	0,000000E+00	5,101549E+18	5,221630E+20
1914	2,256081E+21	4,742145E+21	6,470885E+21	6,470752E+21	4,741956E+21	2,256009E+21	5,221577E+20	5,102390E+18	0,000000E+00	0,000000E+00	5,101798E+18	5,220255E+20
1915	2,255785E+21	4,741786E+21	6,470880E+21	6,471001E+21	4,742095E+21	2,256011E+21	5,221237E+20	5,106257E+18	0,000000E+00	0,000000E+00	5,106898E+18	5,221606E+20
1916	2,255996E+21	4,741935E+21	6,470757E+21	6,470619E+21	4,741598E+21	2,255749E+21	5,220650E+20	5,103818E+18	0,000000E+00	0,000000E+00	5,105703E+18	5,221662E+20
1917	2,255900E+21	4,741580E+21	6,470237E+21	6,470325E+21	4,741703E+21	2,255969E+21	5,222268E+20	5,110500E+18	0,000000E+00	0,000000E+00	5,109571E+18	5,220832E+20
1918	2,255696E+21	4,741379E+21	6,470208E+21	6,470263E+21	4,741519E+21	2,255788E+21	5,221237E+20	5,111133E+18	0,000000E+00	0,000000E+00	5,113330E+18	5,222560E+20
1919	2,255940E+21	4,741506E+21	6,470009E+21	6,469747E+21	4,741055E+21	2,255693E+21	5,221779E+20	5,112680E+18	0,000000E+00	0,000000E+00	5,113013E+18	5,221662E+20
1920	2,255668E+21	4,741005E+21	6,469649E+21	6,469809E+21	4,741320E+21	2,255896E+21	5,222890E+20	5,118395E+18	0,000000E+00	0,000000E+00	5,116065E+18	5,221530E+20
1921	2,255647E+21	4,741079E+21	6,469712E+21	6,469681E+21	4,740983E+21	2,255587E+21	5,221425E+20	5,116150E+18	0,000000E+00	0,000000E+00	5,118550E+18	5,222933E+20
1922	2,255798E+21	4,741046E+21	6,469418E+21	6,469296E+21	4,740865E+21	2,255709E+21	5,222597E+20	5,118004E+18	0,000000E+00	0,000000E+00	5,116356E+18	5,221550E+20
1923	2,255517E+21	4,740683E+21	6,469357E+21	6,469609E+21	4,741172E+21	2,255811E+21	5,222533E+20	5,118800E+18	0,000000E+00	0,000000E+00	5,119000E+18	5,222362E+20
1924	2,255755E+21	4,741078E+21	6,469575E+21	6,469495E+21	4,740819E+21	2,255540E+21	5,221361E+20	5,115322E+18	0,000000E+00	0,000000E+00	5,116876E+18	5,222698E+20
1925	2,255806E+21	4,741091E+21	6,469472E+21	6,469468E+21	4,741096E+21	2,255812E+21	5,222669E+20	5,115305E+18	0,000000E+00	0,000000E+00	5,112781E+18	5,221091E+20
1926	2,255588E+21	4,741067E+21	6,469864E+21	6,469942E+21	4,741311E+21	2,255780E+21	5,221743E+20	5,114822E+18	0,000000E+00	0,000000E+00	5,115250E+18	5,222411E+20
1927	2,255902E+21	4,741487E+21	6,470100E+21	6,469926E+21	4,741137E+21	2,255679E+21	5,221419E+20	5,110876E+18	0,000000E+00	0,000000E+00	5,109198E+18	5,221592E+20
1928	2,255755E+21	4,741277E+21	6,469988E+21	6,470219E+21	4,741664E+21	2,255976E+21	5,222461E+20	5,111672E+18	0,000000E+00	0,000000E+00	5,109297E+18	5,220846E+20
1929	2,255733E+21	4,741491E+21	6,470328E+21	6,470376E+21	4,741579E+21	2,255775E+21	5,220851E+20	5,109060E+18	0,000000E+00	0,000000E+00	5,110564E+18	5,222385E+20
1930	2,256004E+21	4,741748E+21	6,470365E+21	6,470180E+21	4,741435E+21	2,255818E+21	5,221432E+20	5,105612E+18	0,000000E+00	0,000000E+00	5,105467E+18	5,220960E+20
1931	2,255762E+21	4,741457E+21	6,470317E+21	6,470515E+21	4,741819E+21	2,256000E+21	5,221990E+20	5,109823E+18	0,000000E+00	0,000000E+00	5,109660E+18	5,221253E+20
1932	2,255870E+21	4,741729E+21	6,470548E+21	6,470477E+21	4,741501E+21	2,255704E+21	5,220620E+20	5,106594E+18	0,000000E+00	0,000000E+00	5,107955E+18	5,222085E+20

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	2,255937E+21	4,741648E+21	6,470242E+21	6,470160E+21	4,741517E+21	2,255880E+21	5,222027E+20	5,109045E+18	0,000000E+00	0,000000E+00	5,108280E+18	5,220680E+20
1934	2,255620E+21	4,741224E+21	6,470112E+21	6,470263E+21	4,741597E+21	2,255901E+21	5,221853E+20	5,113517E+18	0,000000E+00	0,000000E+00	5,113645E+18	5,222117E+20
1935	2,255860E+21	4,741415E+21	6,470017E+21	6,469876E+21	4,741080E+21	2,255631E+21	5,221291E+20	5,111482E+18	0,000000E+00	0,000000E+00	5,112981E+18	5,222206E+20
1936	2,255768E+21	4,741059E+21	6,469487E+21	6,469596E+21	4,741199E+21	2,255849E+21	5,222896E+20	5,118069E+18	0,000000E+00	0,000000E+00	5,116494E+18	5,221329E+20
1937	2,255575E+21	4,740910E+21	6,469505E+21	6,469512E+21	4,740965E+21	2,255646E+21	5,221806E+20	5,118447E+18	0,000000E+00	0,000000E+00	5,120773E+18	5,223109E+20
1938	2,255800E+21	4,741011E+21	6,469357E+21	6,469094E+21	4,740523E+21	2,255530E+21	5,222260E+20	5,119635E+18	0,000000E+00	0,000000E+00	5,120349E+18	5,222221E+20
1939	2,255523E+21	4,740475E+21	6,468923E+21	6,469129E+21	4,740837E+21	2,255760E+21	5,223364E+20	5,125026E+18	0,000000E+00	0,000000E+00	5,123293E+18	5,222110E+20
1940	2,255500E+21	4,740543E+21	6,469026E+21	6,469044E+21	4,740523E+21	2,255466E+21	5,221906E+20	5,122710E+18	0,000000E+00	0,000000E+00	5,125457E+18	5,223530E+20
1941	2,255695E+21	4,740581E+21	6,468736E+21	6,468632E+21	4,740397E+21	2,255580E+21	5,222978E+20	5,123702E+18	0,000000E+00	0,000000E+00	5,122286E+18	5,222018E+20
1942	2,255409E+21	4,740251E+21	6,468690E+21	6,468897E+21	4,740677E+21	2,255695E+21	5,223061E+20	5,125007E+18	0,000000E+00	0,000000E+00	5,124655E+18	5,222761E+20
1943	2,255650E+21	4,740702E+21	6,469034E+21	6,468906E+21	4,740384E+21	2,255435E+21	5,221906E+20	5,121845E+18	0,000000E+00	0,000000E+00	5,122384E+18	5,223034E+20
1944	2,255672E+21	4,740666E+21	6,468926E+21	6,468958E+21	4,740721E+21	2,255711E+21	5,223167E+20	5,121534E+18	0,000000E+00	0,000000E+00	5,118151E+18	5,221426E+20
1945	2,255464E+21	4,740644E+21	6,469284E+21	6,469375E+21	4,740902E+21	2,255667E+21	5,222152E+20	5,120642E+18	0,000000E+00	0,000000E+00	5,121404E+18	5,222897E+20
1946	2,255787E+21	4,741049E+21	6,469514E+21	6,469372E+21	4,740717E+21	2,255550E+21	5,221723E+20	5,115739E+18	0,000000E+00	0,000000E+00	5,115252E+18	5,222129E+20
1947	2,255664E+21	4,740866E+21	6,469358E+21	6,469596E+21	4,741228E+21	2,255858E+21	5,222799E+20	5,116635E+18	0,000000E+00	0,000000E+00	5,115404E+18	5,221358E+20
1948	2,255632E+21	4,741101E+21	6,469788E+21	6,469817E+21	4,741155E+21	2,255660E+21	5,221261E+20	5,114547E+18	0,000000E+00	0,000000E+00	5,116198E+18	5,222806E+20
1949	2,255899E+21	4,741366E+21	6,469820E+21	6,469616E+21	4,741013E+21	2,255698E+21	5,221850E+20	5,111314E+18	0,000000E+00	0,000000E+00	5,110907E+18	5,221281E+20
1950	2,255616E+21	4,740995E+21	6,469691E+21	6,469881E+21	4,741363E+21	2,255891E+21	5,222605E+20	5,116861E+18	0,000000E+00	0,000000E+00	5,115620E+18	5,221642E+20
1951	2,255716E+21	4,741223E+21	6,469881E+21	6,469847E+21	4,741063E+21	2,255598E+21	5,221253E+20	5,114129E+18	0,000000E+00	0,000000E+00	5,114805E+18	5,222590E+20
1952	2,255785E+21	4,741086E+21	6,469479E+21	6,469462E+21	4,741052E+21	2,255767E+21	5,222609E+20	5,116477E+18	0,000000E+00	0,000000E+00	5,115542E+18	5,221279E+20
1953	2,255512E+21	4,740730E+21	6,469347E+21	6,469459E+21	4,741019E+21	2,255747E+21	5,222361E+20	5,120519E+18	0,000000E+00	0,000000E+00	5,121432E+18	5,222794E+20
1954	2,255755E+21	4,740949E+21	6,469323E+21	6,469136E+21	4,740499E+21	2,255455E+21	5,221739E+20	5,118267E+18	0,000000E+00	0,000000E+00	5,120766E+18	5,222825E+20
1955	2,255648E+21	4,740589E+21	6,468802E+21	6,468878E+21	4,740659E+21	2,255699E+21	5,223403E+20	5,125087E+18	0,000000E+00	0,000000E+00	5,123971E+18	5,221878E+20
1956	2,255414E+21	4,740391E+21	6,468873E+21	6,468896E+21	4,740479E+21	2,255508E+21	5,222366E+20	5,125783E+18	0,000000E+00	0,000000E+00	5,127979E+18	5,223612E+20
1957	2,255641E+21	4,740460E+21	6,468637E+21	6,468443E+21	4,740072E+21	2,255403E+21	5,222740E+20	5,126451E+18	0,000000E+00	0,000000E+00	5,127074E+18	5,222694E+20
1958	2,255362E+21	4,739905E+21	6,468128E+21	6,468365E+21	4,740338E+21	2,255649E+21	5,223946E+20	5,131804E+18	0,000000E+00	0,000000E+00	5,129807E+18	5,222634E+20
1959	2,255375E+21	4,740042E+21	6,468296E+21	6,468315E+21	4,740032E+21	2,255351E+21	5,222479E+20	5,129630E+18	0,000000E+00	0,000000E+00	5,131861E+18	5,224005E+20
1960	2,255577E+21	4,740124E+21	6,468072E+21	6,467967E+21	4,739937E+21	2,255464E+21	5,223484E+20	5,130061E+18	0,000000E+00	0,000000E+00	5,127951E+18	5,222441E+20
1961	2,255315E+21	4,739877E+21	6,468122E+21	6,468251E+21	4,740179E+21	2,255557E+21	5,223516E+20	5,131124E+18	0,000000E+00	0,000000E+00	5,130706E+18	5,223206E+20
1962	2,255539E+21	4,740313E+21	6,468530E+21	6,468388E+21	4,739953E+21	2,255291E+21	5,222271E+20	5,127449E+18	0,000000E+00	0,000000E+00	5,128314E+18	5,223499E+20
1963	2,255559E+21	4,740251E+21	6,468362E+21	6,468426E+21	4,740345E+21	2,255598E+21	5,223505E+20	5,126795E+18	0,000000E+00	0,000000E+00	5,124255E+18	5,221940E+20
1964	2,255349E+21	4,740219E+21	6,468739E+21	6,468859E+21	4,740529E+21	2,255566E+21	5,222539E+20	5,125952E+18	0,000000E+00	0,000000E+00	5,127277E+18	5,223395E+20
1965	2,255698E+21	4,740660E+21	6,468945E+21	6,468813E+21	4,740327E+21	2,255438E+21	5,222051E+20	5,120553E+18	0,000000E+00	0,000000E+00	5,120423E+18	5,222494E+20
1966	2,255553E+21	4,740468E+21	6,468765E+21	6,468954E+21	4,740784E+21	2,255756E+21	5,223328E+20	5,122624E+18	0,000000E+00	0,000000E+00	5,120782E+18	5,221702E+20
1967	2,255503E+21	4,740681E+21	6,469222E+21	6,469238E+21	4,740744E+21	2,255563E+21	5,221873E+20	5,121442E+18	0,000000E+00	0,000000E+00	5,121828E+18	5,223109E+20
1968	2,255735E+21	4,740868E+21	6,469191E+21	6,469038E+21	4,740613E+21	2,255595E+21	5,222426E+20	5,118362E+18	0,000000E+00	0,000000E+00	5,117052E+18	5,221711E+20

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												
1969	2,255478E+21	4,740489E+21	6,468985E+21	6,469177E+21	4,740864E+21	2,255755E+21	5,223111E+20	5,123783E+18	0,000000E+00	0,000000E+00	5,122809E+18	5,222254E+20
1970	2,255595E+21	4,740717E+21	6,469171E+21	6,469140E+21	4,740539E+21	2,255441E+21	5,221668E+20	5,120325E+18	0,000000E+00	0,000000E+00	5,122351E+18	5,223287E+20
1971	2,255691E+21	4,740616E+21	6,468752E+21	6,468710E+21	4,740511E+21	2,255611E+21	5,223016E+20	5,122869E+18	0,000000E+00	0,000000E+00	5,123111E+18	5,221933E+20
1972	2,255400E+21	4,740279E+21	6,468721E+21	6,468786E+21	4,740505E+21	2,255601E+21	5,222852E+20	5,127202E+18	0,000000E+00	0,000000E+00	5,128473E+18	5,223327E+20
1973	2,255632E+21	4,740495E+21	6,468700E+21	6,468496E+21	4,740015E+21	2,255313E+21	5,222226E+20	5,125139E+18	0,000000E+00	0,000000E+00	5,127484E+18	5,223224E+20
1974	2,255476E+21	4,740050E+21	6,468095E+21	6,468172E+21	4,740161E+21	2,255580E+21	5,224074E+20	5,132849E+18	0,000000E+00	0,000000E+00	5,130737E+18	5,222345E+20
1975	2,255242E+21	4,739809E+21	6,468114E+21	6,468204E+21	4,740031E+21	2,255407E+21	5,223055E+20	5,133737E+18	0,000000E+00	0,000000E+00	5,135077E+18	5,224103E+20
1976	2,255479E+21	4,739873E+21	6,467832E+21	6,467697E+21	4,739594E+21	2,255294E+21	5,223343E+20	5,133831E+18	0,000000E+00	0,000000E+00	5,134038E+18	5,223288E+20
1977	2,255260E+21	4,739420E+21	6,467369E+21	6,467546E+21	4,739752E+21	2,255490E+21	5,224430E+20	5,138398E+18	0,000000E+00	0,000000E+00	5,136806E+18	5,223242E+20
1978	2,255283E+21	4,739622E+21	6,467674E+21	6,467625E+21	4,739486E+21	2,255181E+21	5,222876E+20	5,135725E+18	0,000000E+00	0,000000E+00	5,138558E+18	5,224533E+20
1979	2,255474E+21	4,739721E+21	6,467507E+21	6,467359E+21	4,739464E+21	2,255319E+21	5,223856E+20	5,135964E+18	0,000000E+00	0,000000E+00	5,134174E+18	5,222890E+20
1980	2,255180E+21	4,739460E+21	6,467638E+21	6,467770E+21	4,739787E+21	2,255433E+21	5,223927E+20	5,137045E+18	0,000000E+00	0,000000E+00	5,136598E+18	5,223622E+20
1981	2,255414E+21	4,739876E+21	6,467970E+21	6,467884E+21	4,739614E+21	2,255192E+21	5,222628E+20	5,132783E+18	0,000000E+00	0,000000E+00	5,133533E+18	5,223841E+20
1982	2,255424E+21	4,739791E+21	6,467738E+21	6,467817E+21	4,739957E+21	2,255517E+21	5,224007E+20	5,132368E+18	0,000000E+00	0,000000E+00	5,129550E+18	5,222358E+20
1983	2,255241E+21	4,739789E+21	6,468126E+21	6,468269E+21	4,740156E+21	2,255487E+21	5,223086E+20	5,132049E+18	0,000000E+00	0,000000E+00	5,132557E+18	5,223718E+20
1984	2,255573E+21	4,740230E+21	6,468347E+21	6,468224E+21	4,739939E+21	2,255351E+21	5,222568E+20	5,126515E+18	0,000000E+00	0,000000E+00	5,125712E+18	5,222881E+20
1985	2,255449E+21	4,740068E+21	6,468186E+21	6,468298E+21	4,740291E+21	2,255621E+21	5,223803E+20	5,128896E+18	0,000000E+00	0,000000E+00	5,127055E+18	5,222183E+20
1986	2,255386E+21	4,740239E+21	6,468640E+21	6,468643E+21	4,740274E+21	2,255413E+21	5,222283E+20	5,127500E+18	0,000000E+00	0,000000E+00	5,128553E+18	5,223679E+20
1987	2,255621E+21	4,740393E+21	6,468528E+21	6,468391E+21	4,740155E+21	2,255457E+21	5,222790E+20	5,124488E+18	0,000000E+00	0,000000E+00	5,124382E+18	5,222379E+20
1988	2,255371E+21	4,740033E+21	6,468359E+21	6,468523E+21	4,740374E+21	2,255608E+21	5,223504E+20	5,129972E+18	0,000000E+00	0,000000E+00	5,129964E+18	5,222903E+20
1989	2,255511E+21	4,740287E+21	6,468518E+21	6,468455E+21	4,740045E+21	2,255296E+21	5,222062E+20	5,126344E+18	0,000000E+00	0,000000E+00	5,128862E+18	5,223750E+20
1990	2,255566E+21	4,740160E+21	6,468099E+21	6,467994E+21	4,739996E+21	2,255484E+21	5,223609E+20	5,130075E+18	0,000000E+00	0,000000E+00	5,129725E+18	5,222383E+20
1991	2,255249E+21	4,739773E+21	6,468056E+21	6,468139E+21	4,740048E+21	2,255491E+21	5,223567E+20	5,135265E+18	0,000000E+00	0,000000E+00	5,135105E+18	5,223658E+20
1992	2,255433E+21	4,739900E+21	6,467966E+21	6,467830E+21	4,739575E+21	2,255211E+21	5,222916E+20	5,133243E+18	0,000000E+00	0,000000E+00	5,134597E+18	5,223709E+20
1993	2,255310E+21	4,739455E+21	6,467291E+21	6,467368E+21	4,739609E+21	2,255443E+21	5,224669E+20	5,140455E+18	0,000000E+00	0,000000E+00	5,138298E+18	5,222975E+20
1994	2,255105E+21	4,739241E+21	6,467324E+21	6,467418E+21	4,739466E+21	2,255248E+21	5,223534E+20	5,140419E+18	0,000000E+00	0,000000E+00	5,142670E+18	5,224754E+20
1995	2,255373E+21	4,739377E+21	6,467081E+21	6,466921E+21	4,739044E+21	2,255137E+21	5,223746E+20	5,140225E+18	0,000000E+00	0,000000E+00	5,141194E+18	5,223901E+20
1996	2,255155E+21	4,739005E+21	6,466789E+21	6,466894E+21	4,739238E+21	2,255334E+21	5,224834E+20	5,144495E+18	0,000000E+00	0,000000E+00	5,143136E+18	5,223742E+20
1997	2,255182E+21	4,739232E+21	6,467140E+21	6,467062E+21	4,739052E+21	2,255050E+21	5,223281E+20	5,141734E+18	0,000000E+00	0,000000E+00	5,144161E+18	5,224865E+20
1998	2,255332E+21	4,739275E+21	6,466949E+21	6,466809E+21	4,739068E+21	2,255218E+21	5,224375E+20	5,142311E+18	0,000000E+00	0,000000E+00	5,139774E+18	5,223300E+20
1999	2,255047E+21	4,738987E+21	6,467030E+21	6,467241E+21	4,739459E+21	2,255363E+21	5,224492E+20	5,143554E+18	0,000000E+00	0,000000E+00	5,142298E+18	5,223988E+20
2000	2,255282E+21	4,739402E+21	6,467326E+21	6,467299E+21	4,739257E+21	2,255122E+21	5,223136E+20	5,138725E+18	0,000000E+00	0,000000E+00	5,139123E+18	5,224303E+20
2001	2,255337E+21	4,739386E+21	6,467113E+21	6,467128E+21	4,739467E+21	2,255393E+21	5,224434E+20	5,137928E+18	0,000000E+00	0,000000E+00	5,135475E+18	5,222854E+20
2002	2,255154E+21	4,739406E+21	6,467573E+21	6,467667E+21	4,739684E+21	2,255348E+21	5,223464E+20	5,137474E+18	0,000000E+00	0,000000E+00	5,138540E+18	5,224163E+20
2003	2,255464E+21	4,739825E+21	6,467791E+21	6,467640E+21	4,739491E+21	2,255215E+21	5,222930E+20	5,132206E+18	0,000000E+00	0,000000E+00	5,131892E+18	5,223356E+20
2004	2,255320E+21	4,739644E+21	6,467663E+21	6,467762E+21	4,739860E+21	2,255481E+21	5,224166E+20	5,134777E+18	0,000000E+00	0,000000E+00	5,133437E+18	5,222706E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ◯ Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
	2005	2,255279E+21	4,739796E+21	6,468035E+21	6,468056E+21	4,739858E+21	2,255291E+21	5,222635E+20	5,133034E+18	0,000000E+00	0,000000E+00	5,134474E+18
2006	2,255499E+21	4,739921E+21	6,467864E+21	6,467711E+21	4,739684E+21	2,255342E+21	5,223285E+20	5,130807E+18	0,000000E+00	0,000000E+00	5,130658E+18	5,222886E+20
2007	2,255262E+21	4,739575E+21	6,467696E+21	6,467875E+21	4,739941E+21	2,255507E+21	5,224100E+20	5,137023E+18	0,000000E+00	0,000000E+00	5,136031E+18	5,223247E+20
2008	2,255363E+21	4,739804E+21	6,467863E+21	6,467798E+21	4,739606E+21	2,255202E+21	5,222712E+20	5,133722E+18	0,000000E+00	0,000000E+00	5,135268E+18	5,224157E+20
2009	2,255418E+21	4,739651E+21	6,467418E+21	6,467267E+21	4,739449E+21	2,255344E+21	5,224251E+20	5,137985E+18	0,000000E+00	0,000000E+00	5,137023E+18	5,222915E+20
2010	2,255090E+21	4,739204E+21	6,467329E+21	6,467448E+21	4,739531E+21	2,255343E+21	5,224132E+20	5,142705E+18	0,000000E+00	0,000000E+00	5,142902E+18	5,224259E+20
2011	2,255277E+21	4,739302E+21	6,467153E+21	6,467058E+21	4,739045E+21	2,255069E+21	5,223413E+20	5,140525E+18	0,000000E+00	0,000000E+00	5,142900E+18	5,224434E+20
2012	2,255184E+21	4,738928E+21	6,466554E+21	6,466591E+21	4,739031E+21	2,255276E+21	5,225094E+20	5,147132E+18	0,000000E+00	0,000000E+00	5,145927E+18	5,223679E+20
2013	2,255019E+21	4,738789E+21	6,466622E+21	6,466669E+21	4,738912E+21	2,255086E+21	5,223923E+20	5,146639E+18	0,000000E+00	0,000000E+00	5,149261E+18	5,225220E+20
2014	2,255252E+21	4,738930E+21	6,466444E+21	6,466224E+21	4,738525E+21	2,255001E+21	5,224270E+20	5,147114E+18	0,000000E+00	0,000000E+00	5,147441E+18	5,224342E+20
2015	2,255026E+21	4,738549E+21	6,466192E+21	6,466333E+21	4,738834E+21	2,255226E+21	5,225426E+20	5,151693E+18	0,000000E+00	0,000000E+00	5,148986E+18	5,224045E+20
2016	2,255018E+21	4,738727E+21	6,466514E+21	6,466512E+21	4,738699E+21	2,254975E+21	5,223876E+20	5,148695E+18	0,000000E+00	0,000000E+00	5,150240E+18	5,225302E+20
2017	2,255199E+21	4,738780E+21	6,466285E+21	6,466158E+21	4,738616E+21	2,255110E+21	5,224859E+20	5,148428E+18	0,000000E+00	0,000000E+00	5,146070E+18	5,223856E+20
2018	2,254947E+21	4,738534E+21	6,466388E+21	6,466608E+21	4,738999E+21	2,255240E+21	5,224885E+20	5,148886E+18	0,000000E+00	0,000000E+00	5,148499E+18	5,224481E+20
2019	2,255186E+21	4,738989E+21	6,466708E+21	6,466664E+21	4,738810E+21	2,255003E+21	5,223473E+20	5,143898E+18	0,000000E+00	0,000000E+00	5,145034E+18	5,224769E+20
2020	2,255239E+21	4,739041E+21	6,466635E+21	6,466567E+21	4,739007E+21	2,255253E+21	5,224751E+20	5,143009E+18	0,000000E+00	0,000000E+00	5,141051E+18	5,223289E+20
2021	2,255062E+21	4,739045E+21	6,467068E+21	6,467139E+21	4,739273E+21	2,255223E+21	5,223814E+20	5,142848E+18	0,000000E+00	0,000000E+00	5,143583E+18	5,224456E+20
2022	2,255329E+21	4,739388E+21	6,467228E+21	6,467098E+21	4,739105E+21	2,255115E+21	5,223401E+20	5,138244E+18	0,000000E+00	0,000000E+00	5,137511E+18	5,223811E+20
2023	2,255206E+21	4,739184E+21	6,467032E+21	6,467208E+21	4,739500E+21	2,255392E+21	5,224690E+20	5,141377E+18	0,000000E+00	0,000000E+00	5,139406E+18	5,223120E+20
2024	2,255156E+21	4,739328E+21	6,467375E+21	6,467423E+21	4,739447E+21	2,255207E+21	5,223207E+20	5,139560E+18	0,000000E+00	0,000000E+00	5,140616E+18	5,224618E+20
2025	2,255396E+21	4,739478E+21	6,467209E+21	6,466991E+21	4,739143E+21	2,255203E+21	5,223807E+20	5,137642E+18	0,000000E+00	0,000000E+00	5,137511E+18	5,223405E+20
2026	2,255143E+21	4,739115E+21	6,467064E+21	6,467206E+21	4,739416E+21	2,255363E+21	5,224620E+20	5,143892E+18	0,000000E+00	0,000000E+00	5,143088E+18	5,223700E+20
2027	2,255202E+21	4,739275E+21	6,467172E+21	6,467122E+21	4,739109E+21	2,255068E+21	5,223241E+20	5,141018E+18	0,000000E+00	0,000000E+00	5,142906E+18	5,224685E+20
2028	2,255249E+21	4,739102E+21	6,466726E+21	6,466585E+21	4,738931E+21	2,255194E+21	5,224738E+20	5,145219E+18	0,000000E+00	0,000000E+00	5,144805E+18	5,223576E+20
2029	2,254963E+21	4,738654E+21	6,466545E+21	6,466700E+21	4,739013E+21	2,255203E+21	5,224581E+20	5,149266E+18	0,000000E+00	0,000000E+00	5,149951E+18	5,224809E+20
2030	2,255143E+21	4,738758E+21	6,466367E+21	6,466268E+21	4,738493E+21	2,254932E+21	5,223952E+20	5,147535E+18	0,000000E+00	0,000000E+00	5,150033E+18	5,225053E+20
2031	2,255079E+21	4,738442E+21	6,465828E+21	6,465882E+21	4,738535E+21	2,255144E+21	5,225647E+20	5,154339E+18	0,000000E+00	0,000000E+00	5,152285E+18	5,224093E+20
2032	2,254886E+21	4,738328E+21	6,465980E+21	6,466004E+21	4,738440E+21	2,254978E+21	5,224543E+20	5,153877E+18	0,000000E+00	0,000000E+00	5,155639E+18	5,225653E+20
2033	2,255118E+21	4,738460E+21	6,465819E+21	6,465565E+21	4,738011E+21	2,254864E+21	5,224839E+20	5,154464E+18	0,000000E+00	0,000000E+00	5,154107E+18	5,224838E+20
2034	2,254892E+21	4,738064E+21	6,465567E+21	6,465746E+21	4,738394E+21	2,255103E+21	5,225901E+20	5,158130E+18	0,000000E+00	0,000000E+00	5,155792E+18	5,224561E+20
2035	2,254888E+21	4,738231E+21	6,465832E+21	6,465869E+21	4,738269E+21	2,254871E+21	5,224312E+20	5,154841E+18	0,000000E+00	0,000000E+00	5,157176E+18	5,225870E+20
2036	2,255094E+21	4,738360E+21	6,465687E+21	6,465529E+21	4,738138E+21	2,254975E+21	5,225193E+20	5,153614E+18	0,000000E+00	0,000000E+00	5,152208E+18	5,224422E+20
2037	2,254879E+21	4,738174E+21	6,465816E+21	6,466006E+21	4,738551E+21	2,255109E+21	5,225188E+20	5,153759E+18	0,000000E+00	0,000000E+00	5,153604E+18	5,224780E+20
2038	2,255064E+21	4,738595E+21	6,466173E+21	6,466099E+21	4,738380E+21	2,254891E+21	5,223921E+20	5,149571E+18	0,000000E+00	0,000000E+00	5,150102E+18	5,225096E+20
2039	2,255111E+21	4,738619E+21	6,466096E+21	6,466092E+21	4,738660E+21	2,255157E+21	5,225254E+20	5,149275E+18	0,000000E+00	0,000000E+00	5,146097E+18	5,223535E+20
2040	2,254911E+21	4,738587E+21	6,466481E+21	6,466611E+21	4,738930E+21	2,255155E+21	5,224377E+20	5,149286E+18	0,000000E+00	0,000000E+00	5,149173E+18	5,224870E+20

Longitude °	Years												
	1	2	3	4	5	6	7	8	9	10	11	12	13
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
2041	2,255204E+21	4,738913E+21	6,466569E+21	6,466447E+21	4,738646E+21	2,255004E+21	5,223895E+20	5,144526E+18	0,000000E+00	0,000000E+00	5,143835E+18	5,224364E+20	
2042	2,255112E+21	4,738743E+21	6,466387E+21	6,466565E+21	4,739023E+21	2,255262E+21	5,225103E+20	5,147243E+18	0,000000E+00	0,000000E+00	5,146061E+18	5,223643E+20	
2043	2,255049E+21	4,738887E+21	6,466718E+21	6,466749E+21	4,738963E+21	2,255083E+21	5,223648E+20	5,145700E+18	0,000000E+00	0,000000E+00	5,147442E+18	5,225120E+20	
2044	2,255274E+21	4,739065E+21	6,466644E+21	6,466363E+21	4,738625E+21	2,255049E+21	5,224226E+20	5,143978E+18	0,000000E+00	0,000000E+00	5,144592E+18	5,223972E+20	
2045	2,255027E+21	4,738658E+21	6,466428E+21	6,466574E+21	4,738931E+21	2,255220E+21	5,225066E+20	5,150424E+18	0,000000E+00	0,000000E+00	5,149686E+18	5,224128E+20	
2046	2,255035E+21	4,738720E+21	6,466448E+21	6,466443E+21	4,738631E+21	2,254948E+21	5,223808E+20	5,148228E+18	0,000000E+00	0,000000E+00	5,150251E+18	5,225294E+20	
2047	2,255116E+21	4,738543E+21	6,465937E+21	6,465878E+21	4,738458E+21	2,255076E+21	5,225327E+20	5,152812E+18	0,000000E+00	0,000000E+00	5,152000E+18	5,224127E+20	
2048	2,254837E+21	4,738134E+21	6,465765E+21	6,465919E+21	4,738488E+21	2,255088E+21	5,225204E+20	5,156555E+18	0,000000E+00	0,000000E+00	5,156972E+18	5,225380E+20	
2049	2,255029E+21	4,738273E+21	6,465635E+21	6,465466E+21	4,737889E+21	2,254771E+21	5,224520E+20	5,155110E+18	0,000000E+00	0,000000E+00	5,157298E+18	5,225613E+20	
2050	2,254960E+21	4,737979E+21	6,465182E+21	6,465196E+21	4,737984E+21	2,254985E+21	5,226153E+20	5,161463E+18	0,000000E+00	0,000000E+00	5,159346E+18	5,224558E+20	
2051	2,254729E+21	4,737813E+21	6,465316E+21	6,465363E+21	4,737963E+21	2,254851E+21	5,225089E+20	5,161125E+18	0,000000E+00	0,000000E+00	5,162965E+18	5,226145E+20	
2052	2,254963E+21	4,737967E+21	6,465199E+21	6,464964E+21	4,737548E+21	2,254728E+21	5,225260E+20	5,160916E+18	0,000000E+00	0,000000E+00	5,161123E+18	5,225436E+20	
2053	2,254780E+21	4,737591E+21	6,464892E+21	6,465106E+21	4,737949E+21	2,254983E+21	5,226278E+20	5,163615E+18	0,000000E+00	0,000000E+00	5,161631E+18	5,224967E+20	
2054	2,254759E+21	4,737767E+21	6,465176E+21	6,465227E+21	4,737832E+21	2,254770E+21	5,224778E+20	5,160542E+18	0,000000E+00	0,000000E+00	5,162800E+18	5,226296E+20	
2055	2,254990E+21	4,737944E+21	6,465084E+21	6,464969E+21	4,737755E+21	2,254877E+21	5,225672E+20	5,159425E+18	0,000000E+00	0,000000E+00	5,156991E+18	5,224685E+20	
2056	2,254754E+21	4,737780E+21	6,465265E+21	6,465452E+21	4,738165E+21	2,255028E+21	5,225745E+20	5,159854E+18	0,000000E+00	0,000000E+00	5,158669E+18	5,225101E+20	
2057	2,254933E+21	4,738163E+21	6,465605E+21	6,465531E+21	4,737946E+21	2,254773E+21	5,224431E+20	5,155948E+18	0,000000E+00	0,000000E+00	5,155829E+18	5,225550E+20	
2058	2,254996E+21	4,738184E+21	6,465513E+21	6,465542E+21	4,738251E+21	2,255038E+21	5,225639E+20	5,155020E+18	0,000000E+00	0,000000E+00	5,152545E+18	5,224065E+20	
2059	2,254805E+21	4,738142E+21	6,465837E+21	6,465984E+21	4,738497E+21	2,255046E+21	5,224792E+20	5,155105E+18	0,000000E+00	0,000000E+00	5,155978E+18	5,225456E+20	
2060	2,255119E+21	4,738544E+21	6,466001E+21	6,465821E+21	4,738153E+21	2,254855E+21	5,224201E+20	5,149792E+18	0,000000E+00	0,000000E+00	5,150442E+18	5,224974E+20	
2061	2,255046E+21	4,738393E+21	6,465821E+21	6,465949E+21	4,738548E+21	2,255120E+21	5,225431E+20	5,152666E+18	0,000000E+00	0,000000E+00	5,151886E+18	5,224004E+20	
2062	2,254912E+21	4,738451E+21	6,466136E+21	6,466153E+21	4,738509E+21	2,254965E+21	5,224172E+20	5,152163E+18	0,000000E+00	0,000000E+00	5,153631E+18	5,225525E+20	
2063	2,255122E+21	4,738555E+21	6,465989E+21	6,465807E+21	4,738229E+21	2,254941E+21	5,224821E+20	5,151311E+18	0,000000E+00	0,000000E+00	5,151055E+18	5,224364E+20	
2064	2,254860E+21	4,738112E+21	6,465693E+21	6,465900E+21	4,738496E+21	2,255133E+21	5,225725E+20	5,157846E+18	0,000000E+00	0,000000E+00	5,156572E+18	5,224669E+20	
2065	2,254884E+21	4,738142E+21	6,465636E+21	6,465640E+21	4,738067E+21	2,254812E+21	5,224432E+20	5,155820E+18	0,000000E+00	0,000000E+00	5,157750E+18	5,225927E+20	
2066	2,254999E+21	4,738027E+21	6,465171E+21	6,465097E+21	4,737882E+21	2,254918E+21	5,225826E+20	5,159931E+18	0,000000E+00	0,000000E+00	5,159509E+18	5,224702E+20	
2067	2,254711E+21	4,737643E+21	6,465037E+21	6,465145E+21	4,737919E+21	2,254936E+21	5,225742E+20	5,163799E+18	0,000000E+00	0,000000E+00	5,164390E+18	5,225898E+20	
2068	2,254893E+21	4,737823E+21	6,465015E+21	6,464782E+21	4,737331E+21	2,254601E+21	5,224991E+20	5,162268E+18	0,000000E+00	0,000000E+00	5,164702E+18	5,226190E+20	
2069	2,254836E+21	4,737512E+21	6,464548E+21	6,464578E+21	4,737512E+21	2,254839E+21	5,226578E+20	5,168054E+18	0,000000E+00	0,000000E+00	5,165891E+18	5,225000E+20	
2070	2,254568E+21	4,737277E+21	6,464627E+21	6,464732E+21	4,737528E+21	2,254745E+21	5,225643E+20	5,167957E+18	0,000000E+00	0,000000E+00	5,169940E+18	5,226705E+20	
2071	2,254836E+21	4,737444E+21	6,464481E+21	6,464349E+21	4,737148E+21	2,254631E+21	5,225804E+20	5,167558E+18	0,000000E+00	0,000000E+00	5,167315E+18	5,225895E+20	
2072	2,254664E+21	4,737145E+21	6,464223E+21	6,464437E+21	4,737510E+21	2,254891E+21	5,226823E+20	5,169711E+18	0,000000E+00	0,000000E+00	5,167415E+18	5,225397E+20	
2073	2,254638E+21	4,737323E+21	6,464538E+21	6,464545E+21	4,737330E+21	2,254640E+21	5,225288E+20	5,166949E+18	0,000000E+00	0,000000E+00	5,168614E+18	5,226698E+20	
2074	2,254870E+21	4,737529E+21	6,464521E+21	6,464386E+21	4,737301E+21	2,254743E+21	5,226083E+20	5,165274E+18	0,000000E+00	0,000000E+00	5,162826E+18	5,225076E+20	
2075	2,254620E+21	4,737335E+21	6,464675E+21	6,464876E+21	4,737747E+21	2,254911E+21	5,226189E+20	5,165935E+18	0,000000E+00	0,000000E+00	5,165016E+18	5,225578E+20	
2076	2,254817E+21	4,737758E+21	6,465048E+21	6,464966E+21	4,737519E+21	2,254643E+21	5,224749E+20	5,161235E+18	0,000000E+00	0,000000E+00	5,162171E+18	5,226181E+20	

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°
2077	2,254929E+21	4,737812E+21	6,464939E+21	6,464959E+21	4,737827E+21	2,254908E+21	5,225887E+20	5,159683E+18	0,000000E+00	0,000000E+00	5,158171E+18	5,224525E+20
2078	2,254712E+21	4,737757E+21	6,465268E+21	6,465398E+21	4,738076E+21	2,254936E+21	5,225195E+20	5,160399E+18	0,000000E+00	0,000000E+00	5,161655E+18	5,225897E+20
2079	2,255022E+21	4,738156E+21	6,465449E+21	6,465301E+21	4,737780E+21	2,254752E+21	5,224682E+20	5,155749E+18	0,000000E+00	0,000000E+00	5,155727E+18	5,225265E+20
2080	2,254912E+21	4,737983E+21	6,465262E+21	6,465377E+21	4,738146E+21	2,255034E+21	5,226053E+20	5,159460E+18	0,000000E+00	0,000000E+00	5,157639E+18	5,224354E+20
2081	2,254743E+21	4,737924E+21	6,465470E+21	6,465517E+21	4,738049E+21	2,254850E+21	5,224815E+20	5,159685E+18	0,000000E+00	0,000000E+00	5,160287E+18	5,226002E+20
2082	2,254970E+21	4,738010E+21	6,465256E+21	6,465115E+21	4,737749E+21	2,254815E+21	5,225373E+20	5,158638E+18	0,000000E+00	0,000000E+00	5,158712E+18	5,224980E+20
2083	2,254723E+21	4,737558E+21	6,464887E+21	6,465095E+21	4,737946E+21	2,254998E+21	5,226303E+20	5,165207E+18	0,000000E+00	0,000000E+00	5,164440E+18	5,225333E+20
2084	2,254775E+21	4,737678E+21	6,464922E+21	6,464851E+21	4,737461E+21	2,254630E+21	5,224855E+20	5,162560E+18	0,000000E+00	0,000000E+00	5,165582E+18	5,226620E+20
2085	2,254907E+21	4,737591E+21	6,464506E+21	6,464361E+21	4,737307E+21	2,254737E+21	5,226194E+20	5,166511E+18	0,000000E+00	0,000000E+00	5,166355E+18	5,225151E+20
2086	2,254558E+21	4,737147E+21	6,464389E+21	6,464484E+21	4,737412E+21	2,254793E+21	5,226295E+20	5,170964E+18	0,000000E+00	0,000000E+00	5,171377E+18	5,226374E+20
2087	2,254734E+21	4,737278E+21	6,464331E+21	6,464206E+21	4,736930E+21	2,254490E+21	5,225595E+20	5,169947E+18	0,000000E+00	0,000000E+00	5,171501E+18	5,226617E+20
2088	2,254672E+21	4,736971E+21	6,463830E+21	6,463916E+21	4,737094E+21	2,254758E+21	5,227216E+20	5,175161E+18	0,000000E+00	0,000000E+00	5,172512E+18	5,225523E+20
2089	2,254419E+21	4,736718E+21	6,463862E+21	6,463997E+21	4,737026E+21	2,254630E+21	5,226254E+20	5,174994E+18	0,000000E+00	0,000000E+00	5,176641E+18	5,227228E+20
2090	2,254721E+21	4,736969E+21	6,463783E+21	6,463642E+21	4,736655E+21	2,254503E+21	5,226263E+20	5,173741E+18	0,000000E+00	0,000000E+00	5,173724E+18	5,226377E+20
2091	2,254547E+21	4,736709E+21	6,463583E+21	6,463743E+21	4,737016E+21	2,254764E+21	5,227293E+20	5,175758E+18	0,000000E+00	0,000000E+00	5,173604E+18	5,225837E+20
2092	2,254526E+21	4,736946E+21	6,464008E+21	6,463948E+21	4,736846E+21	2,254486E+21	5,225635E+20	5,172643E+18	0,000000E+00	0,000000E+00	5,174734E+18	5,227218E+20
2093	2,254778E+21	4,737150E+21	6,464000E+21	6,463861E+21	4,736895E+21	2,254604E+21	5,226336E+20	5,170341E+18	0,000000E+00	0,000000E+00	5,168299E+18	5,225506E+20
2094	2,254509E+21	4,736920E+21	6,464119E+21	6,464339E+21	4,737370E+21	2,254807E+21	5,226584E+20	5,171366E+18	0,000000E+00	0,000000E+00	5,171021E+18	5,226117E+20
2095	2,254736E+21	4,737352E+21	6,464472E+21	6,464452E+21	4,737178E+21	2,254553E+21	5,225195E+20	5,166810E+18	0,000000E+00	0,000000E+00	5,167424E+18	5,226584E+20
2096	2,254841E+21	4,737463E+21	6,464410E+21	6,464393E+21	4,737440E+21	2,254821E+21	5,226377E+20	5,165326E+18	0,000000E+00	0,000000E+00	5,163436E+18	5,224891E+20
2097	2,254587E+21	4,737336E+21	6,464699E+21	6,464791E+21	4,737623E+21	2,254822E+21	5,225774E+20	5,167052E+18	0,000000E+00	0,000000E+00	5,167221E+18	5,226197E+20
2098	2,254872E+21	4,737694E+21	6,464867E+21	6,464723E+21	4,737355E+21	2,254639E+21	5,225216E+20	5,162481E+18	0,000000E+00	0,000000E+00	5,162099E+18	5,225638E+20
2099	2,254739E+21	4,737449E+21	6,464578E+21	6,464717E+21	4,737694E+21	2,254922E+21	5,226636E+20	5,166756E+18	0,000000E+00	0,000000E+00	5,164855E+18	5,224882E+20
2100	2,254596E+21	4,737398E+21	6,464741E+21	6,464789E+21	4,737532E+21	2,254703E+21	5,225267E+20	5,166309E+18	0,000000E+00	0,000000E+00	5,167871E+18	5,226701E+20
2101	2,254870E+21	4,737518E+21	6,464516E+21	6,464363E+21	4,737210E+21	2,254652E+21	5,225719E+20	5,164787E+18	0,000000E+00	0,000000E+00	5,165790E+18	5,225575E+20
2102	2,254611E+21	4,737079E+21	6,464177E+21	6,464345E+21	4,737396E+21	2,254840E+21	5,226764E+20	5,171802E+18	0,000000E+00	0,000000E+00	5,171522E+18	5,225917E+20
2103	2,254663E+21	4,737202E+21	6,464257E+21	6,464195E+21	4,736979E+21	2,254493E+21	5,225412E+20	5,169778E+18	0,000000E+00	0,000000E+00	5,172251E+18	5,227050E+20
2104	2,254764E+21	4,737122E+21	6,463884E+21	6,463714E+21	4,736831E+21	2,254620E+21	5,226813E+20	5,174069E+18	0,000000E+00	0,000000E+00	5,173137E+18	5,225618E+20
2105	2,254385E+21	4,736576E+21	6,463666E+21	6,463802E+21	4,736924E+21	2,254667E+21	5,226955E+20	5,178906E+18	0,000000E+00	0,000000E+00	5,178645E+18	5,226901E+20
2106	2,254582E+21	4,736718E+21	6,463573E+21	6,463491E+21	4,736462E+21	2,254378E+21	5,226171E+20	5,177395E+18	0,000000E+00	0,000000E+00	5,179303E+18	5,227228E+20
2107	2,254537E+21	4,736434E+21	6,463057E+21	6,463130E+21	4,736570E+21	2,254636E+21	5,227777E+20	5,182070E+18	0,000000E+00	0,000000E+00	5,179823E+18	5,226139E+20
2108	2,254318E+21	4,736281E+21	6,463190E+21	6,463256E+21	4,736469E+21	2,254465E+21	5,226643E+20	5,181071E+18	0,000000E+00	0,000000E+00	5,183487E+18	5,227801E+20
2109	2,254631E+21	4,736573E+21	6,463197E+21	6,462996E+21	4,736152E+21	2,254341E+21	5,226558E+20	5,179244E+18	0,000000E+00	0,000000E+00	5,179414E+18	5,226764E+20
2110	2,254417E+21	4,736282E+21	6,463033E+21	6,463178E+21	4,736576E+21	2,254630E+21	5,227704E+20	5,181538E+18	0,000000E+00	0,000000E+00	5,179436E+18	5,226271E+20
2111	2,254405E+21	4,736496E+21	6,463449E+21	6,463469E+21	4,736515E+21	2,254393E+21	5,226105E+20	5,178755E+18	0,000000E+00	0,000000E+00	5,180117E+18	5,227595E+20
2112	2,254662E+21	4,736737E+21	6,463445E+21	6,463323E+21	4,736545E+21	2,254531E+21	5,226817E+20	5,175999E+18	0,000000E+00	0,000000E+00	5,173563E+18	5,225927E+20

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												
2113	2,254395E+21	4,736481E+21	6,463517E+21	6,463747E+21	4,736960E+21	2,254709E+21	5,227101E+20	5,177412E+18	0,000000E+00	0,000000E+00	5,176418E+18	5,226498E+20
2114	2,254637E+21	4,736962E+21	6,463906E+21	6,463866E+21	4,736781E+21	2,254456E+21	5,225652E+20	5,172637E+18	0,000000E+00	0,000000E+00	5,172945E+18	5,226919E+20
2115	2,254713E+21	4,737044E+21	6,463841E+21	6,463779E+21	4,737004E+21	2,254718E+21	5,226907E+20	5,171627E+18	0,000000E+00	0,000000E+00	5,169404E+18	5,225285E+20
2116	2,254459E+21	4,736913E+21	6,464137E+21	6,464203E+21	4,737163E+21	2,254682E+21	5,226192E+20	5,173186E+18	0,000000E+00	0,000000E+00	5,173671E+18	5,226698E+20
2117	2,254746E+21	4,737225E+21	6,464244E+21	6,464118E+21	4,736911E+21	2,254497E+21	5,225546E+20	5,168312E+18	0,000000E+00	0,000000E+00	5,168725E+18	5,226182E+20
2118	2,254612E+21	4,736944E+21	6,463882E+21	6,464028E+21	4,737212E+21	2,254792E+21	5,227074E+20	5,173051E+18	0,000000E+00	0,000000E+00	5,172198E+18	5,225567E+20
2119	2,254505E+21	4,736913E+21	6,464033E+21	6,464104E+21	4,737059E+21	2,254576E+21	5,225761E+20	5,172829E+18	0,000000E+00	0,000000E+00	5,174577E+18	5,227245E+20
2120	2,254773E+21	4,737094E+21	6,463871E+21	6,463651E+21	4,736696E+21	2,254519E+21	5,226230E+20	5,171633E+18	0,000000E+00	0,000000E+00	5,172435E+18	5,226055E+20
2121	2,254472E+21	4,736583E+21	6,463509E+21	6,463638E+21	4,736855E+21	2,254691E+21	5,227366E+20	5,179502E+18	0,000000E+00	0,000000E+00	5,178233E+18	5,226331E+20
2122	2,254503E+21	4,736677E+21	6,463579E+21	6,463524E+21	4,736499E+21	2,254368E+21	5,226030E+20	5,177664E+18	0,000000E+00	0,000000E+00	5,179749E+18	5,227514E+20
2123	2,254583E+21	4,736535E+21	6,463140E+21	6,462998E+21	4,736342E+21	2,254505E+21	5,227467E+20	5,182080E+18	0,000000E+00	0,000000E+00	5,180956E+18	5,226233E+20
2124	2,254243E+21	4,736029E+21	6,462903E+21	6,463045E+21	4,736386E+21	2,254521E+21	5,227455E+20	5,185837E+18	0,000000E+00	0,000000E+00	5,186389E+18	5,227571E+20
2125	2,254473E+21	4,736219E+21	6,462841E+21	6,462747E+21	4,735931E+21	2,254226E+21	5,226545E+20	5,183550E+18	0,000000E+00	0,000000E+00	5,186245E+18	5,227778E+20
2126	2,254422E+21	4,735968E+21	6,462383E+21	6,462412E+21	4,736046E+21	2,254492E+21	5,228204E+20	5,188098E+18	0,000000E+00	0,000000E+00	5,186244E+18	5,226658E+20
2127	2,254209E+21	4,735830E+21	6,462579E+21	6,462657E+21	4,736029E+21	2,254346E+21	5,227146E+20	5,187532E+18	0,000000E+00	0,000000E+00	5,189078E+18	5,228131E+20
2128	2,254502E+21	4,736153E+21	6,462655E+21	6,462449E+21	4,735747E+21	2,254236E+21	5,227064E+20	5,185642E+18	0,000000E+00	0,000000E+00	5,184851E+18	5,227140E+20
2129	2,254273E+21	4,735795E+21	6,462421E+21	6,462610E+21	4,736166E+21	2,254520E+21	5,228239E+20	5,188226E+18	0,000000E+00	0,000000E+00	5,185292E+18	5,226711E+20
2130	2,254291E+21	4,736043E+21	6,462822E+21	6,462869E+21	4,736132E+21	2,254313E+21	5,226621E+20	5,185088E+18	0,000000E+00	0,000000E+00	5,186396E+18	5,228083E+20
2131	2,254558E+21	4,736313E+21	6,462839E+21	6,462692E+21	4,736107E+21	2,254430E+21	5,227287E+20	5,181864E+18	0,000000E+00	0,000000E+00	5,179700E+18	5,226435E+20
2132	2,254315E+21	4,736129E+21	6,462965E+21	6,463123E+21	4,736479E+21	2,254565E+21	5,227427E+20	5,182750E+18	0,000000E+00	0,000000E+00	5,182409E+18	5,226939E+20
2133	2,254539E+21	4,736591E+21	6,463388E+21	6,463309E+21	4,736346E+21	2,254318E+21	5,225923E+20	5,177711E+18	0,000000E+00	0,000000E+00	5,178452E+18	5,227260E+20
2134	2,254574E+21	4,736602E+21	6,463283E+21	6,463229E+21	4,736581E+21	2,254592E+21	5,227295E+20	5,177348E+18	0,000000E+00	0,000000E+00	5,175712E+18	5,225781E+20
2135	2,254332E+21	4,736412E+21	6,463497E+21	6,463654E+21	4,736788E+21	2,254584E+21	5,226671E+20	5,179406E+18	0,000000E+00	0,000000E+00	5,179725E+18	5,227159E+20
2136	2,254627E+21	4,736757E+21	6,463591E+21	6,463475E+21	4,736477E+21	2,254398E+21	5,226041E+20	5,174492E+18	0,000000E+00	0,000000E+00	5,175035E+18	5,226718E+20
2137	2,254495E+21	4,736448E+21	6,463174E+21	6,463311E+21	4,736693E+21	2,254654E+21	5,227601E+20	5,179938E+18	0,000000E+00	0,000000E+00	5,178698E+18	5,226058E+20
2138	2,254398E+21	4,736468E+21	6,463363E+21	6,463383E+21	4,736554E+21	2,254455E+21	5,226318E+20	5,179844E+18	0,000000E+00	0,000000E+00	5,181341E+18	5,227677E+20
2139	2,254629E+21	4,736612E+21	6,463220E+21	6,462948E+21	4,736170E+21	2,254388E+21	5,226845E+20	5,179373E+18	0,000000E+00	0,000000E+00	5,179644E+18	5,226551E+20
2140	2,254331E+21	4,736094E+21	6,462850E+21	6,462961E+21	4,736327E+21	2,254531E+21	5,227863E+20	5,186849E+18	0,000000E+00	0,000000E+00	5,185743E+18	5,226900E+20
2141	2,254360E+21	4,736141E+21	6,462868E+21	6,462847E+21	4,736016E+21	2,254227E+21	5,226477E+20	5,184642E+18	0,000000E+00	0,000000E+00	5,187498E+18	5,228125E+20
2142	2,254441E+21	4,735975E+21	6,462375E+21	6,462260E+21	4,735825E+21	2,254374E+21	5,227986E+20	5,189069E+18	0,000000E+00	0,000000E+00	5,188835E+18	5,226963E+20
2143	2,254140E+21	4,735506E+21	6,462158E+21	6,462338E+21	4,735891E+21	2,254396E+21	5,227995E+20	5,192631E+18	0,000000E+00	0,000000E+00	5,193129E+18	5,228071E+20
2144	2,254358E+21	4,735771E+21	6,462190E+21	6,462043E+21	4,735419E+21	2,254100E+21	5,227079E+20	5,190360E+18	0,000000E+00	0,000000E+00	5,192463E+18	5,228180E+20
2145	2,254270E+21	4,735467E+21	6,461730E+21	6,461747E+21	4,735535E+21	2,254353E+21	5,228771E+20	5,195258E+18	0,000000E+00	0,000000E+00	5,192120E+18	5,227005E+20
2146	2,254061E+21	4,735347E+21	6,461941E+21	6,462034E+21	4,735599E+21	2,254242E+21	5,227713E+20	5,194695E+18	0,000000E+00	0,000000E+00	5,195487E+18	5,228514E+20
2147	2,254345E+21	4,735640E+21	6,461992E+21	6,461824E+21	4,735323E+21	2,254139E+21	5,227610E+20	5,192445E+18	0,000000E+00	0,000000E+00	5,191320E+18	5,227683E+20
2148	2,254176E+21	4,735367E+21	6,461789E+21	6,461980E+21	4,735707E+21	2,254386E+21	5,228579E+20	5,193677E+18	0,000000E+00	0,000000E+00	5,191667E+18	5,227286E+20

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°
2149	2,254221E+21	4,735671E+21	6,462248E+21	6,462273E+21	4,735696E+21	2,254182E+21	5,226882E+20	5,189891E+18	0,000000E+00	0,000000E+00	5,192124E+18	5,228531E+20
2150	2,254466E+21	4,735949E+21	6,462315E+21	6,462129E+21	4,735673E+21	2,254308E+21	5,227603E+20	5,186620E+18	0,000000E+00	0,000000E+00	5,185314E+18	5,226892E+20
2151	2,254221E+21	4,735749E+21	6,462466E+21	6,462642E+21	4,736104E+21	2,254463E+21	5,227848E+20	5,188224E+18	0,000000E+00	0,000000E+00	5,187435E+18	5,227209E+20
2152	2,254407E+21	4,736187E+21	6,462880E+21	6,462816E+21	4,735980E+21	2,254224E+21	5,226378E+20	5,183514E+18	0,000000E+00	0,000000E+00	5,183759E+18	5,227603E+20
2153	2,254423E+21	4,736099E+21	6,462640E+21	6,462644E+21	4,736167E+21	2,254487E+21	5,227817E+20	5,183923E+18	0,000000E+00	0,000000E+00	5,181843E+18	5,226257E+20
2154	2,254221E+21	4,735942E+21	6,462796E+21	6,462967E+21	4,736349E+21	2,254496E+21	5,227236E+20	5,186142E+18	0,000000E+00	0,000000E+00	5,186374E+18	5,227670E+20
2155	2,254513E+21	4,736294E+21	6,462904E+21	6,462756E+21	4,735967E+21	2,254277E+21	5,226601E+20	5,181418E+18	0,000000E+00	0,000000E+00	5,181940E+18	5,227291E+20
2156	2,254407E+21	4,736041E+21	6,462539E+21	6,462602E+21	4,736129E+21	2,254479E+21	5,227993E+20	5,186532E+18	0,000000E+00	0,000000E+00	5,185733E+18	5,226580E+20
2157	2,254279E+21	4,736022E+21	6,462752E+21	6,462739E+21	4,736038E+21	2,254294E+21	5,226731E+20	5,186409E+18	0,000000E+00	0,000000E+00	5,188356E+18	5,228138E+20
2158	2,254467E+21	4,736083E+21	6,462554E+21	6,462311E+21	4,735678E+21	2,254246E+21	5,227337E+20	5,186552E+18	0,000000E+00	0,000000E+00	5,187490E+18	5,227178E+20
2159	2,254184E+21	4,735521E+21	6,462110E+21	6,462307E+21	4,735878E+21	2,254423E+21	5,228440E+20	5,194124E+18	0,000000E+00	0,000000E+00	5,192933E+18	5,227434E+20
2160	2,254217E+21	4,735602E+21	6,462125E+21	6,462129E+21	4,735528E+21	2,254121E+21	5,227067E+20	5,191784E+18	0,000000E+00	0,000000E+00	5,194655E+18	5,228662E+20
2161	2,254298E+21	4,735416E+21	6,461587E+21	6,461492E+21	4,735275E+21	2,254237E+21	5,228594E+20	5,196612E+18	0,000000E+00	0,000000E+00	5,195617E+18	5,227465E+20
2162	2,254016E+21	4,735012E+21	6,461411E+21	6,461564E+21	4,735370E+21	2,254280E+21	5,228617E+20	5,200033E+18	0,000000E+00	0,000000E+00	5,199839E+18	5,228473E+20
2163	2,254201E+21	4,735264E+21	6,461514E+21	6,461343E+21	4,734897E+21	2,253970E+21	5,227685E+20	5,197890E+18	0,000000E+00	0,000000E+00	5,199278E+18	5,228684E+20
2164	2,254146E+21	4,735003E+21	6,461082E+21	6,461091E+21	4,735018E+21	2,254184E+21	5,229140E+20	5,201706E+18	0,000000E+00	0,000000E+00	5,198969E+18	5,227575E+20
2165	2,253953E+21	4,734897E+21	6,461311E+21	6,461418E+21	4,735148E+21	2,254106E+21	5,228050E+20	5,200438E+18	0,000000E+00	0,000000E+00	5,202348E+18	5,229104E+20
2166	2,254250E+21	4,735212E+21	6,461373E+21	6,461211E+21	4,734877E+21	2,254016E+21	5,227954E+20	5,197779E+18	0,000000E+00	0,000000E+00	5,197914E+18	5,228321E+20
2167	2,254110E+21	4,734994E+21	6,461238E+21	6,461434E+21	4,735302E+21	2,254276E+21	5,228949E+20	5,198817E+18	0,000000E+00	0,000000E+00	5,196971E+18	5,227649E+20
2168	2,254126E+21	4,735337E+21	6,461773E+21	6,461757E+21	4,735305E+21	2,254085E+21	5,227301E+20	5,195257E+18	0,000000E+00	0,000000E+00	5,196908E+18	5,228753E+20
2169	2,254314E+21	4,735510E+21	6,461776E+21	6,461619E+21	4,735275E+21	2,254201E+21	5,228106E+20	5,192657E+18	0,000000E+00	0,000000E+00	5,190262E+18	5,227153E+20
2170	2,254076E+21	4,735293E+21	6,461856E+21	6,462082E+21	4,735746E+21	2,254391E+21	5,228417E+20	5,194804E+18	0,000000E+00	0,000000E+00	5,193207E+18	5,227532E+20
2171	2,254243E+21	4,735674E+21	6,462213E+21	6,462202E+21	4,735571E+21	2,254141E+21	5,226960E+20	5,190128E+18	0,000000E+00	0,000000E+00	5,190086E+18	5,228145E+20
2172	2,254327E+21	4,735657E+21	6,461965E+21	6,461964E+21	4,735665E+21	2,254339E+21	5,228175E+20	5,189793E+18	0,000000E+00	0,000000E+00	5,188598E+18	5,226858E+20
2173	2,254145E+21	4,735547E+21	6,462170E+21	6,462295E+21	4,735843E+21	2,254344E+21	5,227576E+20	5,191773E+18	0,000000E+00	0,000000E+00	5,192921E+18	5,228191E+20
2174	2,254411E+21	4,735882E+21	6,462297E+21	6,462106E+21	4,735462E+21	2,254131E+21	5,227002E+20	5,187514E+18	0,000000E+00	0,000000E+00	5,188867E+18	5,227857E+20
2175	2,254294E+21	4,735601E+21	6,461961E+21	6,462035E+21	4,735673E+21	2,254347E+21	5,228477E+20	5,193261E+18	0,000000E+00	0,000000E+00	5,192164E+18	5,227000E+20
2176	2,254131E+21	4,735538E+21	6,462135E+21	6,462147E+21	4,735598E+21	2,254183E+21	5,227298E+20	5,193553E+18	0,000000E+00	0,000000E+00	5,195168E+18	5,228585E+20
2177	2,254292E+21	4,735487E+21	6,461784E+21	6,461624E+21	4,735200E+21	2,254133E+21	5,227988E+20	5,194451E+18	0,000000E+00	0,000000E+00	5,195017E+18	5,227776E+20
2178	2,254056E+21	4,734978E+21	6,461289E+21	6,461506E+21	4,735373E+21	2,254324E+21	5,229116E+20	5,201888E+18	0,000000E+00	0,000000E+00	5,200495E+18	5,227985E+20
2179	2,254070E+21	4,735058E+21	6,461337E+21	6,461320E+21	4,734959E+21	2,253990E+21	5,227726E+20	5,199586E+18	0,000000E+00	0,000000E+00	5,202163E+18	5,229240E+20
2180	2,254184E+21	4,734940E+21	6,460865E+21	6,460714E+21	4,734668E+21	2,254050E+21	5,229015E+20	5,203610E+18	0,000000E+00	0,000000E+00	5,202789E+18	5,227996E+20
2181	2,253888E+21	4,734542E+21	6,460754E+21	6,460876E+21	4,734825E+21	2,254107E+21	5,229024E+20	5,206565E+18	0,000000E+00	0,000000E+00	5,206842E+18	5,228963E+20
2182	2,254052E+21	4,734756E+21	6,460847E+21	6,460704E+21	4,734417E+21	2,253827E+21	5,228108E+20	5,204446E+18	0,000000E+00	0,000000E+00	5,206535E+18	5,229315E+20
2183	2,254030E+21	4,734524E+21	6,460452E+21	6,460511E+21	4,734600E+21	2,254070E+21	5,229553E+20	5,207639E+18	0,000000E+00	0,000000E+00	5,205142E+18	5,228079E+20
2184	2,253852E+21	4,734487E+21	6,460730E+21	6,460836E+21	4,734734E+21	2,254007E+21	5,228505E+20	5,206159E+18	0,000000E+00	0,000000E+00	5,208043E+18	5,229493E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙ Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
	2185	2,254129E+21	4,734777E+21	6,460771E+21	6,460633E+21	4,734464E+21	2,253913E+21	5,228447E+20	5,203719E+18	0,000000E+00	0,000000E+00	5,203033E+18
2186	2,254000E+21	4,734612E+21	6,460665E+21	6,460845E+21	4,734920E+21	2,254202E+21	5,229507E+20	5,204980E+18	0,000000E+00	0,000000E+00	5,202080E+18	5,227864E+20
2187	2,253964E+21	4,734888E+21	6,461217E+21	6,461219E+21	4,734914E+21	2,253998E+21	5,227892E+20	5,201832E+18	0,000000E+00	0,000000E+00	5,202358E+18	5,229100E+20
2188	2,254185E+21	4,735064E+21	6,461174E+21	6,461050E+21	4,734847E+21	2,254063E+21	5,228470E+20	5,198463E+18	0,000000E+00	0,000000E+00	5,196444E+18	5,227677E+20
2189	2,253973E+21	4,734855E+21	6,461221E+21	6,461462E+21	4,735310E+21	2,254265E+21	5,228773E+20	5,200318E+18	0,000000E+00	0,000000E+00	5,199999E+18	5,228156E+20
2190	2,254156E+21	4,735249E+21	6,461566E+21	6,461542E+21	4,735094E+21	2,254008E+21	5,227317E+20	5,195532E+18	0,000000E+00	0,000000E+00	5,197091E+18	5,228857E+20
2191	2,254265E+21	4,735289E+21	6,461397E+21	6,461352E+21	4,735191E+21	2,254196E+21	5,228516E+20	5,195378E+18	0,000000E+00	0,000000E+00	5,194752E+18	5,227327E+20
2192	2,254050E+21	4,735189E+21	6,461655E+21	6,461718E+21	4,735384E+21	2,254215E+21	5,228024E+20	5,197912E+18	0,000000E+00	0,000000E+00	5,198751E+18	5,228510E+20
2193	2,254249E+21	4,735389E+21	6,461682E+21	6,461527E+21	4,735015E+21	2,254004E+21	5,227568E+20	5,194756E+18	0,000000E+00	0,000000E+00	5,195302E+18	5,228248E+20
2194	2,254133E+21	4,735071E+21	6,461239E+21	6,461367E+21	4,735252E+21	2,254263E+21	5,229155E+20	5,201135E+18	0,000000E+00	0,000000E+00	5,199197E+18	5,227441E+20
2195	2,253945E+21	4,734938E+21	6,461353E+21	6,461426E+21	4,735121E+21	2,254088E+21	5,228016E+20	5,201410E+18	0,000000E+00	0,000000E+00	5,202705E+18	5,229192E+20
2196	2,254168E+21	4,734946E+21	6,460976E+21	6,460818E+21	4,734621E+21	2,253967E+21	5,228472E+20	5,201622E+18	0,000000E+00	0,000000E+00	5,202868E+18	5,228442E+20
2197	2,253949E+21	4,734497E+21	6,460539E+21	6,460704E+21	4,734787E+21	2,254156E+21	5,229563E+20	5,208468E+18	0,000000E+00	0,000000E+00	5,207923E+18	5,228568E+20
2198	2,253941E+21	4,734569E+21	6,460634E+21	6,460571E+21	4,734388E+21	2,253825E+21	5,228190E+20	5,206423E+18	0,000000E+00	0,000000E+00	5,209688E+18	5,229840E+20
2199	2,254055E+21	4,734462E+21	6,460242E+21	6,460083E+21	4,734164E+21	2,253893E+21	5,229451E+20	5,210410E+18	0,000000E+00	0,000000E+00	5,209333E+18	5,228460E+20
2200	2,253751E+21	4,734071E+21	6,460144E+21	6,460283E+21	4,734380E+21	2,253980E+21	5,229516E+20	5,213285E+18	0,000000E+00	0,000000E+00	5,213278E+18	5,229403E+20
2201	2,253900E+21	4,734221E+21	6,460145E+21	6,460073E+21	4,733991E+21	2,253724E+21	5,228683E+20	5,211525E+18	0,000000E+00	0,000000E+00	5,213081E+18	5,229848E+20
2202	2,253928E+21	4,734081E+21	6,459772E+21	6,459837E+21	4,734184E+21	2,253991E+21	5,230146E+20	5,214307E+18	0,000000E+00	0,000000E+00	5,211261E+18	5,228500E+20
2203	2,253725E+21	4,734049E+21	6,460123E+21	6,460210E+21	4,734292E+21	2,253913E+21	5,229113E+20	5,212798E+18	0,000000E+00	0,000000E+00	5,213930E+18	5,229888E+20
2204	2,254020E+21	4,734372E+21	6,460194E+21	6,460032E+21	4,733999E+21	2,253768E+21	5,228820E+20	5,209501E+18	0,000000E+00	0,000000E+00	5,208763E+18	5,229035E+20
2205	2,253875E+21	4,734201E+21	6,460110E+21	6,460279E+21	4,734492E+21	2,254067E+21	5,229859E+20	5,210396E+18	0,000000E+00	0,000000E+00	5,208173E+18	5,228299E+20
2206	2,253825E+21	4,734413E+21	6,460595E+21	6,460638E+21	4,734509E+21	2,253882E+21	5,228255E+20	5,207347E+18	0,000000E+00	0,000000E+00	5,208868E+18	5,229695E+20
2207	2,254084E+21	4,734632E+21	6,460587E+21	6,460486E+21	4,734445E+21	2,253947E+21	5,228789E+20	5,203543E+18	0,000000E+00	0,000000E+00	5,202299E+18	5,228224E+20
2208	2,253902E+21	4,734496E+21	6,460673E+21	6,460875E+21	4,734874E+21	2,254142E+21	5,229153E+20	5,205677E+18	0,000000E+00	0,000000E+00	5,205579E+18	5,228573E+20
2209	2,254051E+21	4,734841E+21	6,460978E+21	6,460940E+21	4,734661E+21	2,253895E+21	5,227807E+20	5,201561E+18	0,000000E+00	0,000000E+00	5,202573E+18	5,229253E+20
2210	2,254163E+21	4,734912E+21	6,460830E+21	6,460742E+21	4,734776E+21	2,254103E+21	5,229080E+20	5,202164E+18	0,000000E+00	0,000000E+00	5,200571E+18	5,227627E+20
2211	2,253883E+21	4,734706E+21	6,461059E+21	6,461133E+21	4,734952E+21	2,254111E+21	5,228682E+20	5,205344E+18	0,000000E+00	0,000000E+00	5,205140E+18	5,228926E+20
2212	2,254101E+21	4,734865E+21	6,460980E+21	6,460871E+21	4,734544E+21	2,253861E+21	5,228044E+20	5,201819E+18	0,000000E+00	0,000000E+00	5,202799E+18	5,228843E+20
2213	2,254003E+21	4,734549E+21	6,460492E+21	6,460623E+21	4,734737E+21	2,254125E+21	5,229651E+20	5,208016E+18	0,000000E+00	0,000000E+00	5,207208E+18	5,228142E+20
2214	2,253822E+21	4,734402E+21	6,460569E+21	6,460634E+21	4,734561E+21	2,253938E+21	5,228516E+20	5,208257E+18	0,000000E+00	0,000000E+00	5,210784E+18	5,229908E+20
2215	2,254060E+21	4,734473E+21	6,460293E+21	6,460082E+21	4,734061E+21	2,253801E+21	5,228917E+20	5,208486E+18	0,000000E+00	0,000000E+00	5,209998E+18	5,228978E+20
2216	2,253825E+21	4,734042E+21	6,459910E+21	6,460012E+21	4,734241E+21	2,253996E+21	5,230062E+20	5,215492E+18	0,000000E+00	0,000000E+00	5,214417E+18	5,228943E+20
2217	2,253762E+21	4,734007E+21	6,459929E+21	6,459903E+21	4,733898E+21	2,253690E+21	5,228798E+20	5,214196E+18	0,000000E+00	0,000000E+00	5,216548E+18	5,230299E+20
2218	2,253900E+21	4,733923E+21	6,459504E+21	6,459389E+21	4,733729E+21	2,253800E+21	5,230084E+20	5,218176E+18	0,000000E+00	0,000000E+00	5,216203E+18	5,228927E+20
2219	2,253588E+21	4,733519E+21	6,459423E+21	6,459604E+21	4,733924E+21	2,253883E+21	5,230181E+20	5,220672E+18	0,000000E+00	0,000000E+00	5,220192E+18	5,229969E+20
2220	2,253799E+21	4,733747E+21	6,459435E+21	6,459370E+21	4,733495E+21	2,253580E+21	5,229115E+20	5,217986E+18	0,000000E+00	0,000000E+00	5,219882E+18	5,230404E+20

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	2,253834E+21	4,733677E+21	6,459159E+21	6,459172E+21	4,733701E+21	2,253854E+21	5,230533E+20	5,219847E+18	0,000000E+00	0,000000E+00	5,217622E+18	5,228998E+20
2222	2,253608E+21	4,733624E+21	6,459546E+21	6,459604E+21	4,733834E+21	2,253782E+21	5,229511E+20	5,218453E+18	0,000000E+00	0,000000E+00	5,220214E+18	5,230361E+20
2223	2,253899E+21	4,733960E+21	6,459682E+21	6,459512E+21	4,733590E+21	2,253637E+21	5,229149E+20	5,214866E+18	0,000000E+00	0,000000E+00	5,214258E+18	5,229461E+20
2224	2,253764E+21	4,733799E+21	6,459579E+21	6,459748E+21	4,734108E+21	2,253956E+21	5,230224E+20	5,215746E+18	0,000000E+00	0,000000E+00	5,213737E+18	5,228718E+20
2225	2,253708E+21	4,733955E+21	6,459965E+21	6,460045E+21	4,734121E+21	2,253787E+21	5,228724E+20	5,213196E+18	0,000000E+00	0,000000E+00	5,214587E+18	5,230204E+20
2226	2,254011E+21	4,734256E+21	6,459977E+21	6,459850E+21	4,734043E+21	2,253860E+21	5,229287E+20	5,209625E+18	0,000000E+00	0,000000E+00	5,207850E+18	5,228609E+20
2227	2,253792E+21	4,734109E+21	6,460137E+21	6,460295E+21	4,734443E+21	2,254036E+21	5,229711E+20	5,212178E+18	0,000000E+00	0,000000E+00	5,211196E+18	5,228942E+20
2228	2,253940E+21	4,734432E+21	6,460415E+21	6,460348E+21	4,734199E+21	2,253749E+21	5,228234E+20	5,207894E+18	0,000000E+00	0,000000E+00	5,208593E+18	5,229627E+20
2229	2,254022E+21	4,734457E+21	6,460245E+21	6,460147E+21	4,734328E+21	2,253969E+21	5,229529E+20	5,208609E+18	0,000000E+00	0,000000E+00	5,207532E+18	5,228133E+20
2230	2,253725E+21	4,734160E+21	6,460356E+21	6,460477E+21	4,734499E+21	2,253991E+21	5,229178E+20	5,212006E+18	0,000000E+00	0,000000E+00	5,212658E+18	5,229544E+20
2231	2,253964E+21	4,734344E+21	6,460285E+21	6,460184E+21	4,734062E+21	2,253729E+21	5,228488E+20	5,208271E+18	0,000000E+00	0,000000E+00	5,210072E+18	5,229463E+20
2232	2,253897E+21	4,734081E+21	6,459807E+21	6,459894E+21	4,734212E+21	2,253983E+21	5,230132E+20	5,214686E+18	0,000000E+00	0,000000E+00	5,213947E+18	5,228631E+20
2233	2,253684E+21	4,733877E+21	6,459828E+21	6,459886E+21	4,734041E+21	2,253806E+21	5,229109E+20	5,215548E+18	0,000000E+00	0,000000E+00	5,217476E+18	5,230375E+20
2234	2,253926E+21	4,733982E+21	6,459585E+21	6,459352E+21	4,733563E+21	2,253683E+21	5,229568E+20	5,216514E+18	0,000000E+00	0,000000E+00	5,216738E+18	5,229378E+20
2235	2,253649E+21	4,733493E+21	6,459227E+21	6,459345E+21	4,733745E+21	2,253865E+21	5,230735E+20	5,223586E+18	0,000000E+00	0,000000E+00	5,221445E+18	5,229470E+20
2236	2,253622E+21	4,733452E+21	6,459173E+21	6,459183E+21	4,733391E+21	2,253542E+21	5,229309E+20	5,221698E+18	0,000000E+00	0,000000E+00	5,224389E+18	5,230955E+20
2237	2,253789E+21	4,733430E+21	6,458789E+21	6,458652E+21	4,733208E+21	2,253660E+21	5,230540E+20	5,224757E+18	0,000000E+00	0,000000E+00	5,224073E+18	5,229652E+20
2238	2,253492E+21	4,733052E+21	6,458725E+21	6,458879E+21	4,733405E+21	2,253743E+21	5,230622E+20	5,226867E+18	0,000000E+00	0,000000E+00	5,227530E+18	5,230581E+20
2239	2,253703E+21	4,733352E+21	6,458879E+21	6,458751E+21	4,733023E+21	2,253438E+21	5,229470E+20	5,223784E+18	0,000000E+00	0,000000E+00	5,225959E+18	5,230830E+20
2240	2,253722E+21	4,733291E+21	6,458656E+21	6,458620E+21	4,733260E+21	2,253721E+21	5,230918E+20	5,225482E+18	0,000000E+00	0,000000E+00	5,222824E+18	5,229268E+20
2241	2,253445E+21	4,733119E+21	6,458930E+21	6,459054E+21	4,733455E+21	2,253685E+21	5,230021E+20	5,224746E+18	0,000000E+00	0,000000E+00	5,225601E+18	5,230703E+20
2242	2,253763E+21	4,733488E+21	6,459042E+21	6,458928E+21	4,733242E+21	2,253570E+21	5,229681E+20	5,221146E+18	0,000000E+00	0,000000E+00	5,219644E+18	5,229836E+20
2243	2,253634E+21	4,733340E+21	6,458971E+21	6,459155E+21	4,733698E+21	2,253865E+21	5,230769E+20	5,221911E+18	0,000000E+00	0,000000E+00	5,219400E+18	5,229195E+20
2244	2,253632E+21	4,733557E+21	6,459349E+21	6,459407E+21	4,733667E+21	2,253658E+21	5,229123E+20	5,218931E+18	0,000000E+00	0,000000E+00	5,220336E+18	5,230658E+20
2245	2,253929E+21	4,733910E+21	6,459454E+21	6,459250E+21	4,733586E+21	2,253728E+21	5,229651E+20	5,215081E+18	0,000000E+00	0,000000E+00	5,213936E+18	5,229063E+20
2246	2,253678E+21	4,733699E+21	6,459594E+21	6,459726E+21	4,733999E+21	2,253905E+21	5,230119E+20	5,218155E+18	0,000000E+00	0,000000E+00	5,217552E+18	5,229378E+20
2247	2,253804E+21	4,733994E+21	6,459885E+21	6,459822E+21	4,733795E+21	2,253620E+21	5,228607E+20	5,213890E+18	0,000000E+00	0,000000E+00	5,214899E+18	5,230098E+20
2248	2,253893E+21	4,733985E+21	6,459634E+21	6,459550E+21	4,733900E+21	2,253851E+21	5,229969E+20	5,214958E+18	0,000000E+00	0,000000E+00	5,214250E+18	5,228658E+20
2249	2,253589E+21	4,733610E+21	6,459598E+21	6,459767E+21	4,734037E+21	2,253889E+21	5,229760E+20	5,218890E+18	0,000000E+00	0,000000E+00	5,219597E+18	5,230124E+20
2250	2,253858E+21	4,733863E+21	6,459539E+21	6,459421E+21	4,733567E+21	2,253622E+21	5,229107E+20	5,215694E+18	0,000000E+00	0,000000E+00	5,217021E+18	5,229952E+20
2251	2,253759E+21	4,733588E+21	6,459130E+21	6,459168E+21	4,733666E+21	2,253844E+21	5,230768E+20	5,222474E+18	0,000000E+00	0,000000E+00	5,220878E+18	5,229124E+20
2252	2,253552E+21	4,733359E+21	6,459104E+21	6,459138E+21	4,733476E+21	2,253635E+21	5,229628E+20	5,223138E+18	0,000000E+00	0,000000E+00	5,224862E+18	5,230882E+20
2253	2,253777E+21	4,733449E+21	6,458871E+21	6,458634E+21	4,733025E+21	2,253525E+21	5,230054E+20	5,223923E+18	0,000000E+00	0,000000E+00	5,224795E+18	5,230025E+20
2254	2,253503E+21	4,732926E+21	6,458466E+21	6,458617E+21	4,733227E+21	2,253721E+21	5,231211E+20	5,230593E+18	0,000000E+00	0,000000E+00	5,229448E+18	5,230160E+20
2255	2,253505E+21	4,732962E+21	6,458496E+21	6,458482E+21	4,732884E+21	2,253401E+21	5,229746E+20	5,228269E+18	0,000000E+00	0,000000E+00	5,231753E+18	5,231574E+20
2256	2,253694E+21	4,733001E+21	6,458171E+21	6,457991E+21	4,732716E+21	2,253527E+21	5,230978E+20	5,230943E+18	0,000000E+00	0,000000E+00	5,230228E+18	5,230086E+20

1 Longitude \odot	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2257	2,253363E+21	4,732583E+21	6,458084E+21	6,458241E+21	4,732959E+21	2,253636E+21	5,231168E+20	5,233334E+18	0,000000E+00	0,000000E+00	5,233202E+18	5,230904E+20
2258	2,253564E+21	4,732902E+21	6,458265E+21	6,458151E+21	4,732623E+21	2,253353E+21	5,230068E+20	5,230748E+18	0,000000E+00	0,000000E+00	5,231331E+18	5,231076E+20
2259	2,253549E+21	4,732792E+21	6,458064E+21	6,458075E+21	4,732864E+21	2,253625E+21	5,231492E+20	5,232153E+18	0,000000E+00	0,000000E+00	5,228381E+18	5,229675E+20
2260	2,253322E+21	4,732624E+21	6,458242E+21	6,458417E+21	4,733027E+21	2,253571E+21	5,230469E+20	5,231031E+18	0,000000E+00	0,000000E+00	5,231845E+18	5,231221E+20
2261	2,253673E+21	4,733070E+21	6,458416E+21	6,458282E+21	4,732783E+21	2,253450E+21	5,230068E+20	5,226638E+18	0,000000E+00	0,000000E+00	5,226156E+18	5,230454E+20
2262	2,253563E+21	4,732963E+21	6,458393E+21	6,458536E+21	4,733229E+21	2,253727E+21	5,231104E+20	5,227251E+18	0,000000E+00	0,000000E+00	5,225743E+18	5,229713E+20
2263	2,253551E+21	4,733235E+21	6,458892E+21	6,458868E+21	4,733229E+21	2,253522E+21	5,229433E+20	5,224215E+18	0,000000E+00	0,000000E+00	5,225929E+18	5,231046E+20
2264	2,253823E+21	4,733553E+21	6,459002E+21	6,458765E+21	4,733179E+21	2,253601E+21	5,229994E+20	5,220559E+18	0,000000E+00	0,000000E+00	5,219361E+18	5,229370E+20
2265	2,253523E+21	4,733204E+21	6,458978E+21	6,459183E+21	4,733632E+21	2,253816E+21	5,230619E+20	5,224448E+18	0,000000E+00	0,000000E+00	5,223432E+18	5,229762E+20
2266	2,253662E+21	4,733488E+21	6,459191E+21	6,459201E+21	4,733423E+21	2,253554E+21	5,229198E+20	5,220705E+18	0,000000E+00	0,000000E+00	5,221128E+18	5,230526E+20
2267	2,253750E+21	4,733469E+21	6,458940E+21	6,458886E+21	4,733432E+21	2,253748E+21	5,230588E+20	5,222058E+18	0,000000E+00	0,000000E+00	5,220993E+18	5,229231E+20
2268	2,253490E+21	4,733117E+21	6,458839E+21	6,458997E+21	4,733497E+21	2,253746E+21	5,230280E+20	5,225839E+18	0,000000E+00	0,000000E+00	5,226521E+18	5,230652E+20
2269	2,253746E+21	4,733410E+21	6,458868E+21	6,458675E+21	4,732998E+21	2,253468E+21	5,229606E+20	5,222650E+18	0,000000E+00	0,000000E+00	5,224576E+18	5,230544E+20
2270	2,253627E+21	4,733088E+21	6,458447E+21	6,458455E+21	4,733102E+21	2,253674E+21	5,231237E+20	5,229751E+18	0,000000E+00	0,000000E+00	5,228486E+18	5,229684E+20
2271	2,253408E+21	4,732864E+21	6,458460E+21	6,458480E+21	4,732967E+21	2,253478E+21	5,230067E+20	5,230165E+18	0,000000E+00	0,000000E+00	5,232436E+18	5,231482E+20
2272	2,253651E+21	4,732948E+21	6,458196E+21	6,457966E+21	4,732529E+21	2,253384E+21	5,230508E+20	5,230976E+18	0,000000E+00	0,000000E+00	5,232213E+18	5,230612E+20
2273	2,253371E+21	4,732385E+21	6,457702E+21	6,457890E+21	4,732741E+21	2,253609E+21	5,231791E+20	5,237666E+18	0,000000E+00	0,000000E+00	5,236416E+18	5,230700E+20
2274	2,253390E+21	4,732490E+21	6,457791E+21	6,457782E+21	4,732426E+21	2,253309E+21	5,230394E+20	5,235740E+18	0,000000E+00	0,000000E+00	5,238236E+18	5,231937E+20
2275	2,253538E+21	4,732513E+21	6,457549E+21	6,457364E+21	4,732238E+21	2,253414E+21	5,231615E+20	5,238279E+18	0,000000E+00	0,000000E+00	5,236245E+18	5,230466E+20
2276	2,253214E+21	4,732061E+21	6,457387E+21	6,457579E+21	4,732479E+21	2,253504E+21	5,231700E+20	5,240323E+18	0,000000E+00	0,000000E+00	5,239461E+18	5,231272E+20
2277	2,253407E+21	4,732390E+21	6,457596E+21	6,457507E+21	4,732161E+21	2,253232E+21	5,230529E+20	5,237154E+18	0,000000E+00	0,000000E+00	5,238198E+18	5,231632E+20
2278	2,253420E+21	4,732286E+21	6,457371E+21	6,457417E+21	4,732396E+21	2,253494E+21	5,231859E+20	5,237833E+18	0,000000E+00	0,000000E+00	5,235088E+18	5,230273E+20
2279	2,253241E+21	4,732243E+21	6,457666E+21	6,457798E+21	4,732567E+21	2,253437E+21	5,230768E+20	5,236205E+18	0,000000E+00	0,000000E+00	5,237992E+18	5,231773E+20
2280	2,253615E+21	4,732752E+21	6,457917E+21	6,457732E+21	4,732351E+21	2,253320E+21	5,230348E+20	5,231503E+18	0,000000E+00	0,000000E+00	5,231379E+18	5,230849E+20
2281	2,253468E+21	4,732601E+21	6,457878E+21	6,458009E+21	4,732841E+21	2,253624E+21	5,231514E+20	5,232636E+18	0,000000E+00	0,000000E+00	5,230828E+18	5,230028E+20
2282	2,253437E+21	4,732853E+21	6,458377E+21	6,458380E+21	4,732888E+21	2,253448E+21	5,229973E+20	5,230516E+18	0,000000E+00	0,000000E+00	5,231003E+18	5,231285E+20
2283	2,253663E+21	4,733087E+21	6,458451E+21	6,458278E+21	4,732817E+21	2,253515E+21	5,230540E+20	5,227008E+18	0,000000E+00	0,000000E+00	5,225309E+18	5,229836E+20
2284	2,253403E+21	4,732700E+21	6,458255E+21	6,458515E+21	4,733192E+21	2,253710E+21	5,231126E+20	5,231009E+18	0,000000E+00	0,000000E+00	5,230186E+18	5,230303E+20
2285	2,253553E+21	4,733022E+21	6,458490E+21	6,458476E+21	4,732909E+21	2,253431E+21	5,229692E+20	5,227058E+18	0,000000E+00	0,000000E+00	5,228539E+18	5,231173E+20
2286	2,253650E+21	4,733013E+21	6,458252E+21	6,458161E+21	4,732877E+21	2,253588E+21	5,231023E+20	5,228679E+18	0,000000E+00	0,000000E+00	5,228366E+18	5,229797E+20
2287	2,253381E+21	4,732710E+21	6,458244E+21	6,458314E+21	4,732943E+21	2,253578E+21	5,230703E+20	5,232513E+18	0,000000E+00	0,000000E+00	5,233414E+18	5,231134E+20
2288	2,253610E+21	4,732942E+21	6,458253E+21	6,458045E+21	4,732489E+21	2,253311E+21	5,230052E+20	5,229694E+18	0,000000E+00	0,000000E+00	5,231458E+18	5,230992E+20
2289	2,253459E+21	4,732521E+21	6,457714E+21	6,457789E+21	4,732638E+21	2,253551E+21	5,231771E+20	5,237060E+18	0,000000E+00	0,000000E+00	5,235559E+18	5,230205E+20
2290	2,253261E+21	4,732310E+21	6,457689E+21	6,457776E+21	4,732514E+21	2,253388E+21	5,230743E+20	5,237922E+18	0,000000E+00	0,000000E+00	5,239538E+18	5,231961E+20
2291	2,253498E+21	4,732404E+21	6,457470E+21	6,457280E+21	4,732040E+21	2,253275E+21	5,231172E+20	5,238684E+18	0,000000E+00	0,000000E+00	5,239325E+18	5,231174E+20
2292	2,253252E+21	4,731868E+21	6,456930E+21	6,457124E+21	4,732215E+21	2,253480E+21	5,232376E+20	5,244970E+18	0,000000E+00	0,000000E+00	5,243227E+18	5,231147E+20

1 Longitude ☉	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°
Years												
2293	2,253248E+21	4,732005E+21	6,457117E+21	6,457069E+21	4,731892E+21	2,253179E+21	5,230962E+20	5,242835E+18	0,000000E+00	0,000000E+00	5,245442E+18	5,232434E+20
2294	2,253385E+21	4,731993E+21	6,456870E+21	6,456708E+21	4,731730E+21	2,253262E+21	5,232076E+20	5,245007E+18	0,000000E+00	0,000000E+00	5,243108E+18	5,230975E+20
2295	2,253081E+21	4,731597E+21	6,456752E+21	6,456942E+21	4,732006E+21	2,253360E+21	5,232060E+20	5,246323E+18	0,000000E+00	0,000000E+00	5,246256E+18	5,231854E+20
2296	2,253309E+21	4,731958E+21	6,456971E+21	6,456888E+21	4,731711E+21	2,253102E+21	5,230856E+20	5,242667E+18	0,000000E+00	0,000000E+00	5,244480E+18	5,232207E+20
2297	2,253339E+21	4,731883E+21	6,456749E+21	6,456791E+21	4,731961E+21	2,253378E+21	5,232220E+20	5,243043E+18	0,000000E+00	0,000000E+00	5,240816E+18	5,230773E+20
2298	2,253176E+21	4,731917E+21	6,457140E+21	6,457247E+21	4,732180E+21	2,253346E+21	5,231264E+20	5,242146E+18	0,000000E+00	0,000000E+00	5,243113E+18	5,232051E+20
2299	2,253494E+21	4,732390E+21	6,457465E+21	6,457278E+21	4,731979E+21	2,253222E+21	5,230848E+20	5,237493E+18	0,000000E+00	0,000000E+00	5,236336E+18	5,231147E+20
2300	2,253337E+21	4,732163E+21	6,457298E+21	6,457476E+21	4,732456E+21	2,253520E+21	5,231996E+20	5,238877E+18	0,000000E+00	0,000000E+00	5,236339E+18	5,230331E+20
2301	2,253283E+21	4,732381E+21	6,457772E+21	6,457808E+21	4,732486E+21	2,253357E+21	5,230473E+20	5,236660E+18	0,000000E+00	0,000000E+00	5,237492E+18	5,231771E+20
2302	2,253525E+21	4,732582E+21	6,457764E+21	6,457634E+21	4,732360E+21	2,253395E+21	5,230988E+20	5,233040E+18	0,000000E+00	0,000000E+00	5,232161E+18	5,230408E+20
2303	2,253306E+21	4,732290E+21	6,457613E+21	6,457832E+21	4,732695E+21	2,253572E+21	5,231522E+20	5,236915E+18	0,000000E+00	0,000000E+00	5,236887E+18	5,230868E+20
2304	2,253463E+21	4,732625E+21	6,457885E+21	6,457825E+21	4,732410E+21	2,253284E+21	5,230079E+20	5,233048E+18	0,000000E+00	0,000000E+00	5,234883E+18	5,231637E+20
2305	2,253525E+21	4,732556E+21	6,457607E+21	6,457501E+21	4,732384E+21	2,253450E+21	5,231496E+20	5,235393E+18	0,000000E+00	0,000000E+00	5,234820E+18	5,230229E+20
2306	2,253241E+21	4,732226E+21	6,457594E+21	6,457699E+21	4,732498E+21	2,253464E+21	5,231328E+20	5,240128E+18	0,000000E+00	0,000000E+00	5,239878E+18	5,231507E+20
2307	2,253434E+21	4,732389E+21	6,457566E+21	6,457429E+21	4,732042E+21	2,253196E+21	5,230679E+20	5,237552E+18	0,000000E+00	0,000000E+00	5,238851E+18	5,231580E+20
2308	2,253321E+21	4,731946E+21	6,456888E+21	6,457009E+21	4,732119E+21	2,253428E+21	5,232373E+20	5,244788E+18	0,000000E+00	0,000000E+00	5,243309E+18	5,230832E+20
2309	2,253137E+21	4,731795E+21	6,456928E+21	6,456983E+21	4,731947E+21	2,253258E+21	5,231358E+20	5,245324E+18	0,000000E+00	0,000000E+00	5,247772E+18	5,232619E+20
2310	2,253373E+21	4,731896E+21	6,456733E+21	6,456522E+21	4,731469E+21	2,253115E+21	5,231689E+20	5,245983E+18	0,000000E+00	0,000000E+00	5,247095E+18	5,231742E+20
2311	2,253126E+21	4,731424E+21	6,456284E+21	6,456416E+21	4,731667E+21	2,253315E+21	5,232803E+20	5,251603E+18	0,000000E+00	0,000000E+00	5,250296E+18	5,231651E+20
2312	2,253103E+21	4,731512E+21	6,456470E+21	6,456435E+21	4,731404E+21	2,253026E+21	5,231359E+20	5,249322E+18	0,000000E+00	0,000000E+00	5,252109E+18	5,232900E+20
2313	2,253234E+21	4,731458E+21	6,456156E+21	6,456055E+21	4,731286E+21	2,253140E+21	5,232492E+20	5,251119E+18	0,000000E+00	0,000000E+00	5,249407E+18	5,231509E+20
2314	2,252973E+21	4,731136E+21	6,456085E+21	6,456312E+21	4,731588E+21	2,253264E+21	5,232600E+20	5,252671E+18	0,000000E+00	0,000000E+00	5,252101E+18	5,232281E+20
2315	2,253202E+21	4,731548E+21	6,456398E+21	6,456323E+21	4,731304E+21	2,253004E+21	5,231368E+20	5,248767E+18	0,000000E+00	0,000000E+00	5,249977E+18	5,232663E+20
2316	2,253253E+21	4,731506E+21	6,456168E+21	6,456185E+21	4,731535E+21	2,253269E+21	5,232675E+20	5,248918E+18	0,000000E+00	0,000000E+00	5,246094E+18	5,231106E+20
2317	2,253063E+21	4,731555E+21	6,456646E+21	6,456699E+21	4,731758E+21	2,253247E+21	5,231781E+20	5,248222E+18	0,000000E+00	0,000000E+00	5,248926E+18	5,232401E+20
2318	2,253352E+21	4,731947E+21	6,456920E+21	6,456779E+21	4,731595E+21	2,253105E+21	5,231274E+20	5,243408E+18	0,000000E+00	0,000000E+00	5,242217E+18	5,231547E+20
2319	2,253211E+21	4,731752E+21	6,456731E+21	6,456914E+21	4,732054E+21	2,253401E+21	5,232352E+20	5,244502E+18	0,000000E+00	0,000000E+00	5,242732E+18	5,230861E+20
2320	2,253174E+21	4,731937E+21	6,457145E+21	6,457202E+21	4,732060E+21	2,253240E+21	5,230844E+20	5,242177E+18	0,000000E+00	0,000000E+00	5,243722E+18	5,232295E+20
2321	2,253424E+21	4,732146E+21	6,457106E+21	6,456973E+21	4,731905E+21	2,253272E+21	5,231387E+20	5,238668E+18	0,000000E+00	0,000000E+00	5,238422E+18	5,230939E+20
2322	2,253218E+21	4,731897E+21	6,457011E+21	6,457195E+21	4,732235E+21	2,253455E+21	5,232078E+20	5,243675E+18	0,000000E+00	0,000000E+00	5,242802E+18	5,231216E+20
2323	2,253319E+21	4,732177E+21	6,457309E+21	6,457245E+21	4,731960E+21	2,253163E+21	5,230657E+20	5,240108E+18	0,000000E+00	0,000000E+00	5,241156E+18	5,232061E+20
2324	2,253372E+21	4,732028E+21	6,456896E+21	6,456823E+21	4,731905E+21	2,253316E+21	5,232032E+20	5,242892E+18	0,000000E+00	0,000000E+00	5,241804E+18	5,230696E+20
2325	2,253081E+21	4,731680E+21	6,456864E+21	6,456982E+21	4,731992E+21	2,253343E+21	5,231922E+20	5,247528E+18	0,000000E+00	0,000000E+00	5,247792E+18	5,232130E+20
2326	2,253289E+21	4,731820E+21	6,456781E+21	6,456685E+21	4,731514E+21	2,253053E+21	5,231215E+20	5,244892E+18	0,000000E+00	0,000000E+00	5,247007E+18	5,232245E+20
2327	2,253213E+21	4,731488E+21	6,456173E+21	6,456237E+21	4,731557E+21	2,253270E+21	5,232832E+20	5,251604E+18	0,000000E+00	0,000000E+00	5,250973E+18	5,231476E+20
2328	2,253025E+21	4,731334E+21	6,456260E+21	6,456273E+21	4,731410E+21	2,253106E+21	5,231826E+20	5,252016E+18	0,000000E+00	0,000000E+00	5,254783E+18	5,233102E+20

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°
2329	2,253229E+21	4,731397E+21	6,456050E+21	6,455832E+21	4,730965E+21	2,252975E+21	5,232191E+20	5,252899E+18	0,000000E+00	0,000000E+00	5,253821E+18	5,232223E+20
2330	2,252983E+21	4,730921E+21	6,455615E+21	6,455783E+21	4,731221E+21	2,253197E+21	5,233397E+20	5,258883E+18	0,000000E+00	0,000000E+00	5,256558E+18	5,232049E+20
2331	2,252943E+21	4,730980E+21	6,455794E+21	6,455819E+21	4,730981E+21	2,252920E+21	5,231924E+20	5,256414E+18	0,000000E+00	0,000000E+00	5,258728E+18	5,233450E+20
2332	2,253117E+21	4,730950E+21	6,455409E+21	6,455331E+21	4,730808E+21	2,253023E+21	5,232993E+20	5,257773E+18	0,000000E+00	0,000000E+00	5,255801E+18	5,232040E+20
2333	2,252880E+21	4,730732E+21	6,455478E+21	6,455642E+21	4,731094E+21	2,253144E+21	5,233126E+20	5,259024E+18	0,000000E+00	0,000000E+00	5,258714E+18	5,232785E+20
2334	2,253098E+21	4,731148E+21	6,455840E+21	6,455735E+21	4,730852E+21	2,252872E+21	5,231827E+20	5,255053E+18	0,000000E+00	0,000000E+00	5,255950E+18	5,233045E+20
2335	2,253140E+21	4,731156E+21	6,455685E+21	6,455646E+21	4,731110E+21	2,253136E+21	5,233033E+20	5,254530E+18	0,000000E+00	0,000000E+00	5,251883E+18	5,231498E+20
2336	2,252930E+21	4,731129E+21	6,456119E+21	6,456204E+21	4,731385E+21	2,253130E+21	5,232128E+20	5,253706E+18	0,000000E+00	0,000000E+00	5,254621E+18	5,232769E+20
2337	2,253207E+21	4,731460E+21	6,456280E+21	6,456201E+21	4,731224E+21	2,253006E+21	5,231638E+20	5,248635E+18	0,000000E+00	0,000000E+00	5,248052E+18	5,232042E+20
2338	2,253110E+21	4,731311E+21	6,456098E+21	6,456311E+21	4,731662E+21	2,253311E+21	5,232847E+20	5,250377E+18	0,000000E+00	0,000000E+00	5,248438E+18	5,231288E+20
2339	2,253067E+21	4,731514E+21	6,456547E+21	6,456609E+21	4,731649E+21	2,253137E+21	5,231339E+20	5,248178E+18	0,000000E+00	0,000000E+00	5,249435E+18	5,232751E+20
2340	2,253319E+21	4,731715E+21	6,456461E+21	6,456294E+21	4,731430E+21	2,253147E+21	5,231877E+20	5,245162E+18	0,000000E+00	0,000000E+00	5,244418E+18	5,231354E+20
2341	2,253096E+21	4,731474E+21	6,456437E+21	6,456553E+21	4,731731E+21	2,253322E+21	5,232638E+20	5,250704E+18	0,000000E+00	0,000000E+00	5,249645E+18	5,231685E+20
2342	2,253168E+21	4,731664E+21	6,456654E+21	6,456615E+21	4,731488E+21	2,253022E+21	5,231164E+20	5,247232E+18	0,000000E+00	0,000000E+00	5,248463E+18	5,232613E+20
2343	2,253247E+21	4,731559E+21	6,456219E+21	6,456123E+21	4,731403E+21	2,253168E+21	5,232444E+20	5,249670E+18	0,000000E+00	0,000000E+00	5,249687E+18	5,231399E+20
2344	2,252974E+21	4,731191E+21	6,456153E+21	6,456261E+21	4,731476E+21	2,253197E+21	5,232361E+20	5,254060E+18	0,000000E+00	0,000000E+00	5,255337E+18	5,232751E+20
2345	2,253175E+21	4,731331E+21	6,456054E+21	6,455941E+21	4,730996E+21	2,252912E+21	5,231699E+20	5,251693E+18	0,000000E+00	0,000000E+00	5,254477E+18	5,232830E+20
2346	2,253096E+21	4,731019E+21	6,455516E+21	6,455554E+21	4,731057E+21	2,253143E+21	5,233465E+20	5,259236E+18	0,000000E+00	0,000000E+00	5,257547E+18	5,231864E+20
2347	2,252853E+21	4,730798E+21	6,455603E+21	6,455646E+21	4,730948E+21	2,252985E+21	5,232472E+20	5,259748E+18	0,000000E+00	0,000000E+00	5,261404E+18	5,233501E+20
2348	2,253047E+21	4,730800E+21	6,455271E+21	6,455105E+21	4,730477E+21	2,252852E+21	5,232791E+20	5,260716E+18	0,000000E+00	0,000000E+00	5,260684E+18	5,232701E+20
2349	2,252826E+21	4,730369E+21	6,454871E+21	6,455032E+21	4,730699E+21	2,253077E+21	5,234005E+20	5,266188E+18	0,000000E+00	0,000000E+00	5,263853E+18	5,232630E+20
2350	2,252814E+21	4,730454E+21	6,455059E+21	6,455103E+21	4,730483E+21	2,252790E+21	5,232446E+20	5,263320E+18	0,000000E+00	0,000000E+00	5,265765E+18	5,234022E+20
2351	2,253037E+21	4,730579E+21	6,454811E+21	6,454656E+21	4,730308E+21	2,252873E+21	5,233334E+20	5,263598E+18	0,000000E+00	0,000000E+00	5,262260E+18	5,232588E+20
2352	2,252794E+21	4,730368E+21	6,454955E+21	6,455070E+21	4,730646E+21	2,253007E+21	5,233476E+20	5,264545E+18	0,000000E+00	0,000000E+00	5,264465E+18	5,233159E+20
2353	2,252977E+21	4,730742E+21	6,455311E+21	6,455216E+21	4,730473E+21	2,252760E+21	5,232199E+20	5,260545E+18	0,000000E+00	0,000000E+00	5,261419E+18	5,233422E+20
2354	2,253015E+21	4,730728E+21	6,455161E+21	6,455167E+21	4,730772E+21	2,253045E+21	5,233498E+20	5,260383E+18	0,000000E+00	0,000000E+00	5,257171E+18	5,231848E+20
2355	2,252793E+21	4,730661E+21	6,455531E+21	6,455682E+21	4,731047E+21	2,253054E+21	5,232610E+20	5,259516E+18	0,000000E+00	0,000000E+00	5,260262E+18	5,233216E+20
2356	2,253095E+21	4,730995E+21	6,455599E+21	6,455529E+21	4,730793E+21	2,252908E+21	5,232102E+20	5,254474E+18	0,000000E+00	0,000000E+00	5,253862E+18	5,232529E+20
2357	2,253023E+21	4,730931E+21	6,455515E+21	6,455634E+21	4,731166E+21	2,253190E+21	5,233342E+20	5,256531E+18	0,000000E+00	0,000000E+00	5,254882E+18	5,231770E+20
2358	2,252961E+21	4,731099E+21	6,455966E+21	6,455989E+21	4,731178E+21	2,253002E+21	5,231814E+20	5,254612E+18	0,000000E+00	0,000000E+00	5,255651E+18	5,233169E+20
2359	2,253207E+21	4,731328E+21	6,455912E+21	6,455688E+21	4,730950E+21	2,252991E+21	5,232232E+20	5,251450E+18	0,000000E+00	0,000000E+00	5,251127E+18	5,231861E+20
2360	2,252964E+21	4,731004E+21	6,455833E+21	6,455963E+21	4,731282E+21	2,253177E+21	5,233010E+20	5,257000E+18	0,000000E+00	0,000000E+00	5,256430E+18	5,232187E+20
2361	2,253028E+21	4,731141E+21	6,455949E+21	6,455946E+21	4,731039E+21	2,252902E+21	5,231614E+20	5,253581E+18	0,000000E+00	0,000000E+00	5,255624E+18	5,233213E+20
2362	2,253134E+21	4,731063E+21	6,455536E+21	6,455453E+21	4,730935E+21	2,253055E+21	5,233031E+20	5,256880E+18	0,000000E+00	0,000000E+00	5,256580E+18	5,231921E+20
2363	2,252846E+21	4,730697E+21	6,455471E+21	6,455587E+21	4,731010E+21	2,253086E+21	5,232979E+20	5,261329E+18	0,000000E+00	0,000000E+00	5,262043E+18	5,233199E+20
2364	2,253023E+21	4,730796E+21	6,455307E+21	6,455177E+21	4,730473E+21	2,252791E+21	5,232354E+20	5,259637E+18	0,000000E+00	0,000000E+00	5,261456E+18	5,233268E+20

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												
2365	2,252935E+21	4,730488E+21	6,454825E+21	6,454820E+21	4,730509E+21	2,253010E+21	5,234137E+20	5,267357E+18	0,000000E+00	0,000000E+00	5,264974E+18	5,232368E+20
2366	2,252681E+21	4,730196E+21	6,454828E+21	6,454926E+21	4,730438E+21	2,252843E+21	5,233061E+20	5,267662E+18	0,000000E+00	0,000000E+00	5,269085E+18	5,234076E+20
2367	2,252918E+21	4,730284E+21	6,454514E+21	6,454332E+21	4,729932E+21	2,252695E+21	5,233208E+20	5,267672E+18	0,000000E+00	0,000000E+00	5,268566E+18	5,233440E+20
2368	2,252738E+21	4,729909E+21	6,454182E+21	6,454313E+21	4,730162E+21	2,252913E+21	5,234349E+20	5,272168E+18	0,000000E+00	0,000000E+00	5,270975E+18	5,233256E+20
2369	2,252730E+21	4,730044E+21	6,454427E+21	6,454421E+21	4,729989E+21	2,252649E+21	5,232827E+20	5,269239E+18	0,000000E+00	0,000000E+00	5,272394E+18	5,234549E+20
2370	2,252944E+21	4,730198E+21	6,454305E+21	6,454121E+21	4,729887E+21	2,252757E+21	5,233801E+20	5,269753E+18	0,000000E+00	0,000000E+00	5,267740E+18	5,232913E+20
2371	2,252656E+21	4,729941E+21	6,454446E+21	6,454600E+21	4,730297E+21	2,252913E+21	5,233957E+20	5,270631E+18	0,000000E+00	0,000000E+00	5,269753E+18	5,233428E+20
2372	2,252815E+21	4,730233E+21	6,454662E+21	6,454635E+21	4,730107E+21	2,252678E+21	5,232690E+20	5,266771E+18	0,000000E+00	0,000000E+00	5,266877E+18	5,233777E+20
2373	2,252878E+21	4,730259E+21	6,454539E+21	6,454543E+21	4,730346E+21	2,252958E+21	5,234013E+20	5,266332E+18	0,000000E+00	0,000000E+00	5,263254E+18	5,232324E+20
2374	2,252682E+21	4,730192E+21	6,454870E+21	6,455048E+21	4,730614E+21	2,252947E+21	5,233081E+20	5,265477E+18	0,000000E+00	0,000000E+00	5,266183E+18	5,233671E+20
2375	2,253018E+21	4,730650E+21	6,455032E+21	6,454886E+21	4,730316E+21	2,252771E+21	5,232428E+20	5,259855E+18	0,000000E+00	0,000000E+00	5,259889E+18	5,233053E+20
2376	2,252944E+21	4,730583E+21	6,455010E+21	6,455063E+21	4,730700E+21	2,253040E+21	5,233657E+20	5,262011E+18	0,000000E+00	0,000000E+00	5,260817E+18	5,232190E+20
2377	2,252848E+21	4,730690E+21	6,455418E+21	6,455433E+21	4,730755E+21	2,252874E+21	5,232208E+20	5,260489E+18	0,000000E+00	0,000000E+00	5,261777E+18	5,233631E+20
2378	2,253085E+21	4,730872E+21	6,455347E+21	6,455168E+21	4,730560E+21	2,252881E+21	5,232711E+20	5,258126E+18	0,000000E+00	0,000000E+00	5,257534E+18	5,232335E+20
2379	2,252833E+21	4,730505E+21	6,455177E+21	6,455366E+21	4,730881E+21	2,253083E+21	5,233545E+20	5,263752E+18	0,000000E+00	0,000000E+00	5,263077E+18	5,232685E+20
2380	2,252895E+21	4,730614E+21	6,455191E+21	6,455197E+21	4,730550E+21	2,252798E+21	5,232222E+20	5,260872E+18	0,000000E+00	0,000000E+00	5,262647E+18	5,233731E+20
2381	2,253011E+21	4,730587E+21	6,454853E+21	6,454694E+21	4,730376E+21	2,252930E+21	5,233702E+20	5,264813E+18	0,000000E+00	0,000000E+00	5,264110E+18	5,232441E+20
2382	2,252695E+21	4,730152E+21	6,454742E+21	6,454863E+21	4,730481E+21	2,252952E+21	5,233634E+20	5,269342E+18	0,000000E+00	0,000000E+00	5,269335E+18	5,233650E+20
2383	2,252868E+21	4,730277E+21	6,454590E+21	6,454438E+21	4,729917E+21	2,252626E+21	5,232833E+20	5,267206E+18	0,000000E+00	0,000000E+00	5,269398E+18	5,233885E+20
2384	2,252786E+21	4,729927E+21	6,454072E+21	6,454086E+21	4,729962E+21	2,252840E+21	5,234532E+20	5,274225E+18	0,000000E+00	0,000000E+00	5,272594E+18	5,232995E+20
2385	2,252552E+21	4,729651E+21	6,454045E+21	6,454161E+21	4,729908E+21	2,252699E+21	5,233484E+20	5,274094E+18	0,000000E+00	0,000000E+00	5,276631E+18	5,234738E+20
2386	2,252824E+21	4,729817E+21	6,453849E+21	6,453667E+21	4,729437E+21	2,252560E+21	5,233680E+20	5,274357E+18	0,000000E+00	0,000000E+00	5,275155E+18	5,233965E+20
2387	2,252638E+21	4,729495E+21	6,453594E+21	6,453714E+21	4,729726E+21	2,252798E+21	5,234828E+20	5,278433E+18	0,000000E+00	0,000000E+00	5,276760E+18	5,233615E+20
2388	2,252597E+21	4,729601E+21	6,453824E+21	6,453800E+21	4,729554E+21	2,252554E+21	5,233410E+20	5,276139E+18	0,000000E+00	0,000000E+00	5,278090E+18	5,234859E+20
2389	2,252797E+21	4,729756E+21	6,453758E+21	6,453562E+21	4,729465E+21	2,252661E+21	5,234380E+20	5,276502E+18	0,000000E+00	0,000000E+00	5,273667E+18	5,233282E+20
2390	2,252502E+21	4,729426E+21	6,453796E+21	6,454037E+21	4,729921E+21	2,252822E+21	5,234476E+20	5,277096E+18	0,000000E+00	0,000000E+00	5,275818E+18	5,233840E+20
2391	2,252701E+21	4,729795E+21	6,454010E+21	6,453987E+21	4,729660E+21	2,252560E+21	5,233040E+20	5,272335E+18	0,000000E+00	0,000000E+00	5,273337E+18	5,234373E+20
2392	2,252801E+21	4,729868E+21	6,453944E+21	6,453919E+21	4,729868E+21	2,252811E+21	5,234288E+20	5,271231E+18	0,000000E+00	0,000000E+00	5,269337E+18	5,232855E+20
2393	2,252610E+21	4,729837E+21	6,454307E+21	6,454434E+21	4,730156E+21	2,252817E+21	5,233421E+20	5,270739E+18	0,000000E+00	0,000000E+00	5,272057E+18	5,234129E+20
2394	2,252926E+21	4,730287E+21	6,454561E+21	6,454398E+21	4,729910E+21	2,252652E+21	5,232857E+20	5,265821E+18	0,000000E+00	0,000000E+00	5,265323E+18	5,233406E+20
2395	2,252817E+21	4,730168E+21	6,454494E+21	6,454590E+21	4,730339E+21	2,252934E+21	5,234089E+20	5,268172E+18	0,000000E+00	0,000000E+00	5,266519E+18	5,232525E+20
2396	2,252692E+21	4,730176E+21	6,454740E+21	6,454808E+21	4,730349E+21	2,252790E+21	5,232773E+20	5,267305E+18	0,000000E+00	0,000000E+00	5,267980E+18	5,234068E+20
2397	2,252949E+21	4,730376E+21	6,454672E+21	6,454495E+21	4,730091E+21	2,252784E+21	5,233309E+20	5,265201E+18	0,000000E+00	0,000000E+00	5,264706E+18	5,232890E+20
2398	2,252709E+21	4,729988E+21	6,454439E+21	6,454658E+21	4,730393E+21	2,252967E+21	5,234130E+20	5,270967E+18	0,000000E+00	0,000000E+00	5,270102E+18	5,233183E+20
2399	2,252781E+21	4,730163E+21	6,454491E+21	6,454440E+21	4,729995E+21	2,252649E+21	5,232698E+20	5,267818E+18	0,000000E+00	0,000000E+00	5,270211E+18	5,234320E+20
2400	2,252887E+21	4,730110E+21	6,454192E+21	6,453997E+21	4,729813E+21	2,252757E+21	5,234137E+20	5,271732E+18	0,000000E+00	0,000000E+00	5,271566E+18	5,232998E+20

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												
2401	2,252555E+21	4,729628E+21	6,454014E+21	6,454146E+21	4,729948E+21	2,252796E+21	5,234099E+20	5,276299E+18	0,000000E+00	0,000000E+00	5,276868E+18	5,234240E+20
2402	2,252726E+21	4,729730E+21	6,453878E+21	6,453771E+21	4,729423E+21	2,252488E+21	5,233346E+20	5,274585E+18	0,000000E+00	0,000000E+00	5,276864E+18	5,234499E+20
2403	2,252666E+21	4,729413E+21	6,453346E+21	6,453388E+21	4,729473E+21	2,252709E+21	5,235002E+20	5,281060E+18	0,000000E+00	0,000000E+00	5,279571E+18	5,233543E+20
2404	2,252432E+21	4,729152E+21	6,453300E+21	6,453395E+21	4,729381E+21	2,252579E+21	5,234080E+20	5,281363E+18	0,000000E+00	0,000000E+00	5,283471E+18	5,235227E+20
2405	2,252709E+21	4,729386E+21	6,453238E+21	6,452994E+21	4,728930E+21	2,252441E+21	5,234297E+20	5,281863E+18	0,000000E+00	0,000000E+00	5,281847E+18	5,234378E+20
2406	2,252489E+21	4,729008E+21	6,452973E+21	6,453122E+21	4,729288E+21	2,252687E+21	5,235425E+20	5,285651E+18	0,000000E+00	0,000000E+00	5,282887E+18	5,233933E+20
2407	2,252445E+21	4,729133E+21	6,453201E+21	6,453193E+21	4,729111E+21	2,252434E+21	5,233864E+20	5,282725E+18	0,000000E+00	0,000000E+00	5,284738E+18	5,235331E+20
2408	2,252657E+21	4,729262E+21	6,453116E+21	6,452968E+21	4,729028E+21	2,252532E+21	5,234723E+20	5,281951E+18	0,000000E+00	0,000000E+00	5,279957E+18	5,233818E+20
2409	2,252397E+21	4,728966E+21	6,453112E+21	6,453385E+21	4,729480E+21	2,252706E+21	5,234827E+20	5,282232E+18	0,000000E+00	0,000000E+00	5,282059E+18	5,234386E+20
2410	2,252618E+21	4,729400E+21	6,453444E+21	6,453428E+21	4,729242E+21	2,252445E+21	5,233418E+20	5,277677E+18	0,000000E+00	0,000000E+00	5,278822E+18	5,234829E+20
2411	2,252723E+21	4,729528E+21	6,453436E+21	6,453393E+21	4,729475E+21	2,252699E+21	5,234644E+20	5,276436E+18	0,000000E+00	0,000000E+00	5,274360E+18	5,233168E+20
2412	2,252495E+21	4,729452E+21	6,453771E+21	6,453874E+21	4,729744E+21	2,252722E+21	5,233955E+20	5,277065E+18	0,000000E+00	0,000000E+00	5,277307E+18	5,234443E+20
2413	2,252797E+21	4,729880E+21	6,454039E+21	6,453871E+21	4,729512E+21	2,252555E+21	5,233410E+20	5,272585E+18	0,000000E+00	0,000000E+00	5,271364E+18	5,233810E+20
2414	2,252676E+21	4,729672E+21	6,453845E+21	6,454017E+21	4,729954E+21	2,252843E+21	5,234624E+20	5,274945E+18	0,000000E+00	0,000000E+00	5,273015E+18	5,233006E+20
2415	2,252584E+21	4,729730E+21	6,454057E+21	6,454115E+21	4,729862E+21	2,252666E+21	5,233204E+20	5,273538E+18	0,000000E+00	0,000000E+00	5,275255E+18	5,234702E+20
2416	2,252856E+21	4,729942E+21	6,454013E+21	6,453801E+21	4,729553E+21	2,252621E+21	5,233677E+20	5,271207E+18	0,000000E+00	0,000000E+00	5,272081E+18	5,233502E+20
2417	2,252610E+21	4,729551E+21	6,453763E+21	6,453943E+21	4,729862E+21	2,252820E+21	5,234576E+20	5,277393E+18	0,000000E+00	0,000000E+00	5,277241E+18	5,233703E+20
2418	2,252641E+21	4,729678E+21	6,453874E+21	6,453833E+21	4,729503E+21	2,252507E+21	5,233227E+20	5,275049E+18	0,000000E+00	0,000000E+00	5,277129E+18	5,234773E+20
2419	2,252728E+21	4,729577E+21	6,453506E+21	6,453368E+21	4,729349E+21	2,252622E+21	5,234637E+20	5,279041E+18	0,000000E+00	0,000000E+00	5,278424E+18	5,233430E+20
2420	2,252379E+21	4,729033E+21	6,453208E+21	6,453378E+21	4,729433E+21	2,252683E+21	5,234747E+20	5,284052E+18	0,000000E+00	0,000000E+00	5,283951E+18	5,234755E+20
2421	2,252583E+21	4,729189E+21	6,453114E+21	6,453000E+21	4,728889E+21	2,252370E+21	5,234006E+20	5,282582E+18	0,000000E+00	0,000000E+00	5,284410E+18	5,235067E+20
2422	2,252535E+21	4,728893E+21	6,452598E+21	6,452657E+21	4,728966E+21	2,252585E+21	5,235599E+20	5,288583E+18	0,000000E+00	0,000000E+00	5,286493E+18	5,234036E+20
2423	2,252320E+21	4,728714E+21	6,452633E+21	6,452672E+21	4,728843E+21	2,252437E+21	5,234594E+20	5,288424E+18	0,000000E+00	0,000000E+00	5,290773E+18	5,235758E+20
2424	2,252582E+21	4,728931E+21	6,452636E+21	6,452387E+21	4,728433E+21	2,252286E+21	5,234725E+20	5,288389E+18	0,000000E+00	0,000000E+00	5,288750E+18	5,234890E+20
2425	2,252355E+21	4,728525E+21	6,452318E+21	6,452511E+21	4,728847E+21	2,252558E+21	5,235835E+20	5,291727E+18	0,000000E+00	0,000000E+00	5,289633E+18	5,234453E+20
2426	2,252308E+21	4,728634E+21	6,452573E+21	6,452629E+21	4,728707E+21	2,252326E+21	5,234300E+20	5,288818E+18	0,000000E+00	0,000000E+00	5,291142E+18	5,235860E+20
2427	2,252555E+21	4,728824E+21	6,452484E+21	6,452366E+21	4,728613E+21	2,252419E+21	5,235081E+20	5,287202E+18	0,000000E+00	0,000000E+00	5,285609E+18	5,234277E+20
2428	2,252302E+21	4,728565E+21	6,452477E+21	6,452706E+21	4,729014E+21	2,252601E+21	5,235333E+20	5,288198E+18	0,000000E+00	0,000000E+00	5,287602E+18	5,234789E+20
2429	2,252525E+21	4,729051E+21	6,452927E+21	6,452847E+21	4,728813E+21	2,252344E+21	5,233955E+20	5,284061E+18	0,000000E+00	0,000000E+00	5,284355E+18	5,235182E+20
2430	2,252599E+21	4,729124E+21	6,452912E+21	6,452886E+21	4,729093E+21	2,252592E+21	5,235121E+20	5,282759E+18	0,000000E+00	0,000000E+00	5,279896E+18	5,233495E+20
2431	2,252371E+21	4,729038E+21	6,453196E+21	6,453303E+21	4,729321E+21	2,252599E+21	5,234363E+20	5,283195E+18	0,000000E+00	0,000000E+00	5,283724E+18	5,234931E+20
2432	2,252675E+21	4,729425E+21	6,453433E+21	6,453301E+21	4,729083E+21	2,252422E+21	5,233738E+20	5,277959E+18	0,000000E+00	0,000000E+00	5,277988E+18	5,234378E+20
2433	2,252576E+21	4,729229E+21	6,453176E+21	6,453358E+21	4,729491E+21	2,252717E+21	5,235001E+20	5,280534E+18	0,000000E+00	0,000000E+00	5,279737E+18	5,233561E+20
2434	2,252476E+21	4,729297E+21	6,453461E+21	6,453513E+21	4,729408E+21	2,252546E+21	5,233672E+20	5,279687E+18	0,000000E+00	0,000000E+00	5,281516E+18	5,235151E+20
2435	2,252740E+21	4,729521E+21	6,453416E+21	6,453192E+21	4,729103E+21	2,252497E+21	5,234153E+20	5,277664E+18	0,000000E+00	0,000000E+00	5,278236E+18	5,233863E+20
2436	2,252453E+21	4,729052E+21	6,453079E+21	6,453248E+21	4,729369E+21	2,252706E+21	5,235242E+20	5,285074E+18	0,000000E+00	0,000000E+00	5,283709E+18	5,234106E+20

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												
2437	2,252475E+21	4,729137E+21	6,453166E+21	6,453153E+21	4,729030E+21	2,252393E+21	5,233906E+20	5,283252E+18	0,000000E+00	0,000000E+00	5,284518E+18	5,235288E+20
2438	2,252563E+21	4,728983E+21	6,452706E+21	6,452638E+21	4,728859E+21	2,252500E+21	5,235240E+20	5,287002E+18	0,000000E+00	0,000000E+00	5,286035E+18	5,234034E+20
2439	2,252264E+21	4,728522E+21	6,452420E+21	6,452556E+21	4,728844E+21	2,252524E+21	5,235260E+20	5,291330E+18	0,000000E+00	0,000000E+00	5,292069E+18	5,235458E+20
2440	2,252482E+21	4,728724E+21	6,452419E+21	6,452257E+21	4,728309E+21	2,252192E+21	5,234436E+20	5,289443E+18	0,000000E+00	0,000000E+00	5,292351E+18	5,235714E+20
2441	2,252429E+21	4,728447E+21	6,451936E+21	6,451953E+21	4,728434E+21	2,252433E+21	5,236050E+20	5,295284E+18	0,000000E+00	0,000000E+00	5,293800E+18	5,234573E+20
2442	2,252175E+21	4,728235E+21	6,452051E+21	6,452105E+21	4,728389E+21	2,252306E+21	5,235113E+20	5,295386E+18	0,000000E+00	0,000000E+00	5,297580E+18	5,236206E+20
2443	2,252432E+21	4,728427E+21	6,451988E+21	6,451809E+21	4,728034E+21	2,252173E+21	5,235167E+20	5,294764E+18	0,000000E+00	0,000000E+00	5,294899E+18	5,235294E+20
2444	2,252200E+21	4,727994E+21	6,451587E+21	6,451817E+21	4,728407E+21	2,252467E+21	5,236396E+20	5,298147E+18	0,000000E+00	0,000000E+00	5,295657E+18	5,234914E+20
2445	2,252189E+21	4,728170E+21	6,451904E+21	6,451961E+21	4,728264E+21	2,252229E+21	5,234858E+20	5,295431E+18	0,000000E+00	0,000000E+00	5,297146E+18	5,236294E+20
2446	2,252443E+21	4,728391E+21	6,451859E+21	6,451745E+21	4,728189E+21	2,252313E+21	5,235562E+20	5,293270E+18	0,000000E+00	0,000000E+00	5,290965E+18	5,234666E+20
2447	2,252217E+21	4,728220E+21	6,451943E+21	6,452090E+21	4,728540E+21	2,252467E+21	5,235748E+20	5,294070E+18	0,000000E+00	0,000000E+00	5,293536E+18	5,235224E+20
2448	2,252422E+21	4,728685E+21	6,452442E+21	6,452335E+21	4,728383E+21	2,252200E+21	5,234303E+20	5,289563E+18	0,000000E+00	0,000000E+00	5,290257E+18	5,235641E+20
2449	2,252489E+21	4,728719E+21	6,452359E+21	6,452353E+21	4,728708E+21	2,252473E+21	5,235446E+20	5,288154E+18	0,000000E+00	0,000000E+00	5,286151E+18	5,234001E+20
2450	2,252254E+21	4,728604E+21	6,452646E+21	6,452788E+21	4,728947E+21	2,252496E+21	5,234768E+20	5,288892E+18	0,000000E+00	0,000000E+00	5,289907E+18	5,235431E+20
2451	2,252577E+21	4,729010E+21	6,452833E+21	6,452721E+21	4,728682E+21	2,252309E+21	5,234111E+20	5,283372E+18	0,000000E+00	0,000000E+00	5,283835E+18	5,234792E+20
2452	2,252458E+21	4,728797E+21	6,452534E+21	6,452673E+21	4,729021E+21	2,252611E+21	5,235580E+20	5,287229E+18	0,000000E+00	0,000000E+00	5,285815E+18	5,233959E+20
2453	2,252340E+21	4,728842E+21	6,452843E+21	6,452871E+21	4,728953E+21	2,252441E+21	5,234336E+20	5,287283E+18	0,000000E+00	0,000000E+00	5,287925E+18	5,235500E+20
2454	2,252565E+21	4,728982E+21	6,452732E+21	6,452554E+21	4,728657E+21	2,252381E+21	5,234776E+20	5,285484E+18	0,000000E+00	0,000000E+00	5,285107E+18	5,234320E+20
2455	2,252302E+21	4,728511E+21	6,452324E+21	6,452490E+21	4,728828E+21	2,252556E+21	5,235772E+20	5,292619E+18	0,000000E+00	0,000000E+00	5,291561E+18	5,234756E+20
2456	2,252342E+21	4,728587E+21	6,452397E+21	6,452391E+21	4,728470E+21	2,252227E+21	5,234347E+20	5,290061E+18	0,000000E+00	0,000000E+00	5,292784E+18	5,236034E+20
2457	2,252463E+21	4,728480E+21	6,451936E+21	6,451845E+21	4,728290E+21	2,252335E+21	5,235635E+20	5,293660E+18	0,000000E+00	0,000000E+00	5,294060E+18	5,234736E+20
2458	2,252158E+21	4,728063E+21	6,451775E+21	6,451873E+21	4,728318E+21	2,252370E+21	5,235732E+20	5,298124E+18	0,000000E+00	0,000000E+00	5,299327E+18	5,236012E+20
2459	2,252368E+21	4,728285E+21	6,451808E+21	6,451627E+21	4,727838E+21	2,252056E+21	5,234917E+20	5,296322E+18	0,000000E+00	0,000000E+00	5,299006E+18	5,236109E+20
2460	2,252269E+21	4,727943E+21	6,451277E+21	6,451286E+21	4,727961E+21	2,252322E+21	5,236705E+20	5,302841E+18	0,000000E+00	0,000000E+00	5,300198E+18	5,234988E+20
2461	2,252010E+21	4,727695E+21	6,451361E+21	6,451472E+21	4,727977E+21	2,252218E+21	5,235794E+20	5,303179E+18	0,000000E+00	0,000000E+00	5,304281E+18	5,236629E+20
2462	2,252272E+21	4,727872E+21	6,451248E+21	6,451136E+21	4,727611E+21	2,252079E+21	5,235735E+20	5,301772E+18	0,000000E+00	0,000000E+00	5,301374E+18	5,235820E+20
2463	2,252102E+21	4,727542E+21	6,450877E+21	6,451051E+21	4,727867E+21	2,252324E+21	5,236837E+20	5,304307E+18	0,000000E+00	0,000000E+00	5,302361E+18	5,235492E+20
2464	2,252106E+21	4,727779E+21	6,451316E+21	6,451311E+21	4,727760E+21	2,252072E+21	5,235206E+20	5,301025E+18	0,000000E+00	0,000000E+00	5,303487E+18	5,236806E+20
2465	2,252355E+21	4,728025E+21	6,451331E+21	6,451169E+21	4,727738E+21	2,252171E+21	5,235876E+20	5,298714E+18	0,000000E+00	0,000000E+00	5,296860E+18	5,235090E+20
2466	2,252093E+21	4,727832E+21	6,451496E+21	6,451641E+21	4,728163E+21	2,252344E+21	5,236133E+20	5,299841E+18	0,000000E+00	0,000000E+00	5,299201E+18	5,235605E+20
2467	2,252300E+21	4,728267E+21	6,451916E+21	6,451861E+21	4,728060E+21	2,252105E+21	5,234664E+20	5,294943E+18	0,000000E+00	0,000000E+00	5,295433E+18	5,235969E+20
2468	2,252354E+21	4,728259E+21	6,451738E+21	6,451748E+21	4,728323E+21	2,252395E+21	5,235964E+20	5,294059E+18	0,000000E+00	0,000000E+00	5,291717E+18	5,234425E+20
2469	2,252143E+21	4,728166E+21	6,452021E+21	6,452180E+21	4,728560E+21	2,252417E+21	5,235350E+20	5,295415E+18	0,000000E+00	0,000000E+00	5,295638E+18	5,235778E+20
2470	2,252446E+21	4,728558E+21	6,452204E+21	6,452102E+21	4,728274E+21	2,252216E+21	5,234656E+20	5,289886E+18	0,000000E+00	0,000000E+00	5,289723E+18	5,235201E+20
2471	2,252346E+21	4,728369E+21	6,451912E+21	6,451975E+21	4,728500E+21	2,252471E+21	5,236094E+20	5,294120E+18	0,000000E+00	0,000000E+00	5,292692E+18	5,234474E+20
2472	2,252210E+21	4,728363E+21	6,452212E+21	6,452229E+21	4,728451E+21	2,252282E+21	5,234784E+20	5,293932E+18	0,000000E+00	0,000000E+00	5,295298E+18	5,236099E+20

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												
2473	2,252436E+21	4,728464E+21	6,452015E+21	6,451854E+21	4,728158E+21	2,252231E+21	5,235173E+20	5,292253E+18	0,000000E+00	0,000000E+00	5,293049E+18	5,235017E+20
2474	2,252183E+21	4,728010E+21	6,451646E+21	6,451797E+21	4,728309E+21	2,252402E+21	5,236205E+20	5,299379E+18	0,000000E+00	0,000000E+00	5,299243E+18	5,235445E+20
2475	2,252252E+21	4,728134E+21	6,451708E+21	6,451667E+21	4,727953E+21	2,252079E+21	5,234784E+20	5,296643E+18	0,000000E+00	0,000000E+00	5,299871E+18	5,236553E+20
2476	2,252343E+21	4,728017E+21	6,451264E+21	6,451105E+21	4,727758E+21	2,252206E+21	5,236247E+20	5,301221E+18	0,000000E+00	0,000000E+00	5,300934E+18	5,235206E+20
2477	2,252016E+21	4,727577E+21	6,451129E+21	6,451226E+21	4,727856E+21	2,252260E+21	5,236445E+20	5,306384E+18	0,000000E+00	0,000000E+00	5,306094E+18	5,236337E+20
2478	2,252173E+21	4,727707E+21	6,451100E+21	6,450991E+21	4,727414E+21	2,251957E+21	5,235598E+20	5,304541E+18	0,000000E+00	0,000000E+00	5,305959E+18	5,236539E+20
2479	2,252103E+21	4,727368E+21	6,450513E+21	6,450537E+21	4,727447E+21	2,252194E+21	5,237267E+20	5,310204E+18	0,000000E+00	0,000000E+00	5,307509E+18	5,235574E+20
2480	2,251872E+21	4,727143E+21	6,450605E+21	6,450736E+21	4,727451E+21	2,252072E+21	5,236244E+20	5,309593E+18	0,000000E+00	0,000000E+00	5,311588E+18	5,237240E+20
2481	2,252168E+21	4,727394E+21	6,450529E+21	6,450401E+21	4,727095E+21	2,251933E+21	5,236092E+20	5,307636E+18	0,000000E+00	0,000000E+00	5,308100E+18	5,236398E+20
2482	2,252008E+21	4,727157E+21	6,450339E+21	6,450447E+21	4,727390E+21	2,252177E+21	5,237193E+20	5,309932E+18	0,000000E+00	0,000000E+00	5,308314E+18	5,235956E+20
2483	2,252019E+21	4,727427E+21	6,450823E+21	6,450784E+21	4,727356E+21	2,251950E+21	5,235573E+20	5,306626E+18	0,000000E+00	0,000000E+00	5,308669E+18	5,237109E+20
2484	2,252226E+21	4,727617E+21	6,450816E+21	6,450655E+21	4,727363E+21	2,252074E+21	5,236359E+20	5,304795E+18	0,000000E+00	0,000000E+00	5,302153E+18	5,235459E+20
2485	2,251968E+21	4,727392E+21	6,450930E+21	6,451140E+21	4,727846E+21	2,252274E+21	5,236673E+20	5,306349E+18	0,000000E+00	0,000000E+00	5,304881E+18	5,235956E+20
2486	2,252167E+21	4,727797E+21	6,451287E+21	6,451292E+21	4,727714E+21	2,252037E+21	5,235172E+20	5,301019E+18	0,000000E+00	0,000000E+00	5,301190E+18	5,236432E+20
2487	2,252266E+21	4,727852E+21	6,451109E+21	6,451055E+21	4,727827E+21	2,252267E+21	5,236394E+20	5,299931E+18	0,000000E+00	0,000000E+00	5,298217E+18	5,234976E+20
2488	2,252055E+21	4,727766E+21	6,451438E+21	6,451543E+21	4,728067E+21	2,252271E+21	5,235744E+20	5,301195E+18	0,000000E+00	0,000000E+00	5,302226E+18	5,236272E+20
2489	2,252332E+21	4,728128E+21	6,451608E+21	6,451473E+21	4,727795E+21	2,252072E+21	5,235032E+20	5,295976E+18	0,000000E+00	0,000000E+00	5,296578E+18	5,235718E+20
2490	2,252211E+21	4,727911E+21	6,451343E+21	6,451393E+21	4,728033E+21	2,252322E+21	5,236495E+20	5,300656E+18	0,000000E+00	0,000000E+00	5,299658E+18	5,235023E+20
2491	2,252090E+21	4,727879E+21	6,451551E+21	6,451591E+21	4,728003E+21	2,252154E+21	5,235195E+20	5,300204E+18	0,000000E+00	0,000000E+00	5,301879E+18	5,236587E+20
2492	2,252304E+21	4,727950E+21	6,451294E+21	6,451123E+21	4,727651E+21	2,252109E+21	5,235728E+20	5,299404E+18	0,000000E+00	0,000000E+00	5,299962E+18	5,235565E+20
2493	2,252067E+21	4,727522E+21	6,450939E+21	6,451097E+21	4,727836E+21	2,252291E+21	5,236842E+20	5,307117E+18	0,000000E+00	0,000000E+00	5,305914E+18	5,235843E+20
2494	2,252103E+21	4,727631E+21	6,451025E+21	6,450985E+21	4,727492E+21	2,251977E+21	5,235453E+20	5,304522E+18	0,000000E+00	0,000000E+00	5,306760E+18	5,236986E+20
2495	2,252198E+21	4,727508E+21	6,450574E+21	6,450364E+21	4,727200E+21	2,252063E+21	5,236884E+20	5,309336E+18	0,000000E+00	0,000000E+00	5,308424E+18	5,235742E+20
2496	2,251858E+21	4,727019E+21	6,450417E+21	6,450547E+21	4,727348E+21	2,252114E+21	5,237001E+20	5,313828E+18	0,000000E+00	0,000000E+00	5,313830E+18	5,236900E+20
2497	2,252016E+21	4,727126E+21	6,450318E+21	6,450257E+21	4,726914E+21	2,251823E+21	5,236067E+20	5,311657E+18	0,000000E+00	0,000000E+00	5,313976E+18	5,237206E+20
2498	2,251973E+21	4,726851E+21	6,449809E+21	6,449816E+21	4,726914E+21	2,252043E+21	5,237675E+20	5,316553E+18	0,000000E+00	0,000000E+00	5,314740E+18	5,236232E+20
2499	2,251792E+21	4,726714E+21	6,449941E+21	6,450035E+21	4,726944E+21	2,251927E+21	5,236611E+20	5,315457E+18	0,000000E+00	0,000000E+00	5,317754E+18	5,237674E+20
2500	2,252061E+21	4,726986E+21	6,449935E+21	6,449748E+21	4,726611E+21	2,251809E+21	5,236575E+20	5,314000E+18	0,000000E+00	0,000000E+00	5,313776E+18	5,236797E+20
2501	2,251895E+21	4,726758E+21	6,449806E+21	6,449930E+21	4,727012E+21	2,252077E+21	5,237735E+20	5,316680E+18	0,000000E+00	0,000000E+00	5,313730E+18	5,236216E+20
2502	2,251868E+21	4,726972E+21	6,450263E+21	6,450287E+21	4,727030E+21	2,251879E+21	5,236123E+20	5,313258E+18	0,000000E+00	0,000000E+00	5,314260E+18	5,237485E+20
2503	2,252101E+21	4,727158E+21	6,450201E+21	6,450052E+21	4,726940E+21	2,251971E+21	5,236803E+20	5,310720E+18	0,000000E+00	0,000000E+00	5,308321E+18	5,235986E+20
2504	2,251870E+21	4,726956E+21	6,450316E+21	6,450540E+21	4,727410E+21	2,252155E+21	5,237042E+20	5,311616E+18	0,000000E+00	0,000000E+00	5,311168E+18	5,236454E+20
2505	2,252073E+21	4,727386E+21	6,450672E+21	6,450663E+21	4,727270E+21	2,251917E+21	5,235496E+20	5,306222E+18	0,000000E+00	0,000000E+00	5,307321E+18	5,236908E+20
2506	2,252165E+21	4,727491E+21	6,450617E+21	6,450491E+21	4,727366E+21	2,252131E+21	5,236740E+20	5,305372E+18	0,000000E+00	0,000000E+00	5,304220E+18	5,235441E+20
2507	2,251961E+21	4,727390E+21	6,450906E+21	6,450987E+21	4,727638E+21	2,252148E+21	5,236151E+20	5,307080E+18	0,000000E+00	0,000000E+00	5,307688E+18	5,236587E+20
2508	2,252187E+21	4,727661E+21	6,451006E+21	6,450887E+21	4,727375E+21	2,251967E+21	5,235573E+20	5,302781E+18	0,000000E+00	0,000000E+00	5,302748E+18	5,236190E+20

1 Years	2 Longitude ◯ 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°
2509	2,252083E+21	4,727416E+21	6,450670E+21	6,450788E+21	4,727632E+21	2,252222E+21	5,237069E+20	5,308110E+18	0,000000E+00	0,000000E+00	5,306334E+18	5,235472E+20
2510	2,251952E+21	4,727361E+21	6,450822E+21	6,450895E+21	4,727547E+21	2,252058E+21	5,235813E+20	5,307530E+18	0,000000E+00	0,000000E+00	5,308815E+18	5,237132E+20
2511	2,252195E+21	4,727468E+21	6,450575E+21	6,450345E+21	4,727073E+21	2,251957E+21	5,236272E+20	5,306916E+18	0,000000E+00	0,000000E+00	5,307623E+18	5,236157E+20
2512	2,251946E+21	4,727040E+21	6,450269E+21	6,450384E+21	4,727278E+21	2,252133E+21	5,237365E+20	5,314419E+18	0,000000E+00	0,000000E+00	5,313562E+18	5,236349E+20
2513	2,251944E+21	4,727092E+21	6,450316E+21	6,450282E+21	4,726971E+21	2,251836E+21	5,235990E+20	5,312145E+18	0,000000E+00	0,000000E+00	5,314791E+18	5,237523E+20
2514	2,252024E+21	4,726955E+21	6,449890E+21	6,449696E+21	4,726687E+21	2,251915E+21	5,237380E+20	5,316766E+18	0,000000E+00	0,000000E+00	5,316268E+18	5,236382E+20
2515	2,251725E+21	4,726465E+21	6,449642E+21	6,449818E+21	4,726850E+21	2,251982E+21	5,237455E+20	5,320461E+18	0,000000E+00	0,000000E+00	5,320850E+18	5,237420E+20
2516	2,251879E+21	4,726584E+21	6,449544E+21	6,449489E+21	4,726385E+21	2,251696E+21	5,236597E+20	5,318534E+18	0,000000E+00	0,000000E+00	5,320876E+18	5,237788E+20
2517	2,251873E+21	4,726387E+21	6,449109E+21	6,449130E+21	4,726439E+21	2,251918E+21	5,238194E+20	5,323417E+18	0,000000E+00	0,000000E+00	5,320778E+18	5,236619E+20
2518	2,251669E+21	4,726285E+21	6,449334E+21	6,449408E+21	4,726502E+21	2,251827E+21	5,237181E+20	5,322292E+18	0,000000E+00	0,000000E+00	5,323668E+18	5,238063E+20
2519	2,251945E+21	4,726567E+21	6,449367E+21	6,449139E+21	4,726131E+21	2,251677E+21	5,237075E+20	5,320767E+18	0,000000E+00	0,000000E+00	5,319952E+18	5,237258E+20
2520	2,251776E+21	4,726326E+21	6,449249E+21	6,449402E+21	4,726603E+21	2,251954E+21	5,238143E+20	5,322640E+18	0,000000E+00	0,000000E+00	5,320141E+18	5,236692E+20
2521	2,251749E+21	4,726519E+21	6,449640E+21	6,449704E+21	4,726639E+21	2,251782E+21	5,236509E+20	5,318975E+18	0,000000E+00	0,000000E+00	5,320853E+18	5,238020E+20
2522	2,252002E+21	4,726766E+21	6,449652E+21	6,449477E+21	4,726500E+21	2,251847E+21	5,237117E+20	5,315713E+18	0,000000E+00	0,000000E+00	5,314426E+18	5,236545E+20
2523	2,251808E+21	4,726612E+21	6,449765E+21	6,449962E+21	4,726983E+21	2,252035E+21	5,237361E+20	5,316585E+18	0,000000E+00	0,000000E+00	5,316374E+18	5,236762E+20
2524	2,251955E+21	4,726998E+21	6,450140E+21	6,450100E+21	4,726844E+21	2,251809E+21	5,235971E+20	5,312172E+18	0,000000E+00	0,000000E+00	5,312615E+18	5,237238E+20
2525	2,252034E+21	4,727059E+21	6,450057E+21	6,449988E+21	4,726999E+21	2,252032E+21	5,237290E+20	5,312242E+18	0,000000E+00	0,000000E+00	5,309761E+18	5,235704E+20
2526	2,251799E+21	4,726897E+21	6,450276E+21	6,450424E+21	4,727267E+21	2,252072E+21	5,236752E+20	5,314119E+18	0,000000E+00	0,000000E+00	5,313764E+18	5,237015E+20
2527	2,252051E+21	4,727145E+21	6,450285E+21	6,450176E+21	4,726875E+21	2,251844E+21	5,236104E+20	5,309801E+18	0,000000E+00	0,000000E+00	5,309858E+18	5,236795E+20
2528	2,251977E+21	4,726932E+21	6,449961E+21	6,450079E+21	4,727108E+21	2,252077E+21	5,237508E+20	5,314624E+18	0,000000E+00	0,000000E+00	5,313733E+18	5,236057E+20
2529	2,251842E+21	4,726888E+21	6,450115E+21	6,450167E+21	4,727021E+21	2,251919E+21	5,236275E+20	5,314222E+18	0,000000E+00	0,000000E+00	5,316337E+18	5,237684E+20
2530	2,252068E+21	4,727027E+21	6,449974E+21	6,449684E+21	4,726531E+21	2,251798E+21	5,236723E+20	5,313861E+18	0,000000E+00	0,000000E+00	5,315235E+18	5,236750E+20
2531	2,251826E+21	4,726569E+21	6,449617E+21	6,449735E+21	4,726782E+21	2,251991E+21	5,237849E+20	5,321384E+18	0,000000E+00	0,000000E+00	5,320408E+18	5,236769E+20
2532	2,251770E+21	4,726527E+21	6,449588E+21	6,449599E+21	4,726490E+21	2,251719E+21	5,236593E+20	5,319769E+18	0,000000E+00	0,000000E+00	5,322245E+18	5,238093E+20
2533	2,251881E+21	4,726387E+21	6,449101E+21	6,448998E+21	4,726227E+21	2,251805E+21	5,237995E+20	5,324573E+18	0,000000E+00	0,000000E+00	5,323435E+18	5,236908E+20
2534	2,251593E+21	4,725940E+21	6,448863E+21	6,449052E+21	4,726344E+21	2,251873E+21	5,238071E+20	5,327724E+18	0,000000E+00	0,000000E+00	5,327797E+18	5,237974E+20
2535	2,251772E+21	4,726113E+21	6,448823E+21	6,448701E+21	4,725800E+21	2,251541E+21	5,237128E+20	5,325825E+18	0,000000E+00	0,000000E+00	5,327955E+18	5,238344E+20
2536	2,251767E+21	4,725961E+21	6,448505E+21	6,448481E+21	4,725915E+21	2,251760E+21	5,238623E+20	5,329961E+18	0,000000E+00	0,000000E+00	5,327498E+18	5,237072E+20
2537	2,251534E+21	4,725828E+21	6,448734E+21	6,448816E+21	4,726052E+21	2,251700E+21	5,237651E+20	5,328990E+18	0,000000E+00	0,000000E+00	5,330516E+18	5,238513E+20
2538	2,251802E+21	4,726124E+21	6,448823E+21	6,448613E+21	4,725718E+21	2,251552E+21	5,237450E+20	5,326724E+18	0,000000E+00	0,000000E+00	5,326415E+18	5,237800E+20
2539	2,251675E+21	4,725901E+21	6,448648E+21	6,448835E+21	4,726207E+21	2,251849E+21	5,238497E+20	5,327864E+18	0,000000E+00	0,000000E+00	5,325624E+18	5,237057E+20
2540	2,251628E+21	4,726084E+21	6,449030E+21	6,449110E+21	4,726235E+21	2,251694E+21	5,236975E+20	5,324569E+18	0,000000E+00	0,000000E+00	5,326244E+18	5,238413E+20
2541	2,251901E+21	4,726371E+21	6,449075E+21	6,448943E+21	4,726138E+21	2,251755E+21	5,237594E+20	5,321529E+18	0,000000E+00	0,000000E+00	5,319352E+18	5,236811E+20
2542	2,251684E+21	4,726216E+21	6,449204E+21	6,449400E+21	4,726599E+21	2,251955E+21	5,237923E+20	5,322880E+18	0,000000E+00	0,000000E+00	5,321656E+18	5,237085E+20
2543	2,251821E+21	4,726552E+21	6,449544E+21	6,449505E+21	4,726392E+21	2,251688E+21	5,236493E+20	5,318818E+18	0,000000E+00	0,000000E+00	5,318748E+18	5,237708E+20
2544	2,251911E+21	4,726600E+21	6,449442E+21	6,449405E+21	4,726559E+21	2,251899E+21	5,237690E+20	5,318505E+18	0,000000E+00	0,000000E+00	5,316784E+18	5,236262E+20

	1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙													
Years		0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2545	2,251682E+21	4,726415E+21	6,449584E+21	6,449746E+21	4,726794E+21	2,251950E+21	5,237191E+20	5,320490E+18	0,000000E+00	0,000000E+00	5,321203E+18	5,237643E+20	
2546	2,251954E+21	4,726733E+21	6,449666E+21	6,449500E+21	4,726348E+21	2,251687E+21	5,236453E+20	5,315785E+18	0,000000E+00	0,000000E+00	5,317305E+18	5,237473E+20	
2547	2,251907E+21	4,726548E+21	6,449345E+21	6,449407E+21	4,726593E+21	2,251924E+21	5,237871E+20	5,320698E+18	0,000000E+00	0,000000E+00	5,320276E+18	5,236483E+20	
2548	2,251705E+21	4,726431E+21	6,449494E+21	6,449521E+21	4,726531E+21	2,251794E+21	5,236841E+20	5,321295E+18	0,000000E+00	0,000000E+00	5,323160E+18	5,238124E+20	
2549	2,251912E+21	4,726502E+21	6,449293E+21	6,449093E+21	4,726110E+21	2,251684E+21	5,237358E+20	5,321875E+18	0,000000E+00	0,000000E+00	5,322219E+18	5,237155E+20	
2550	2,251647E+21	4,725995E+21	6,448855E+21	6,449044E+21	4,726338E+21	2,251902E+21	5,238537E+20	5,329257E+18	0,000000E+00	0,000000E+00	5,327555E+18	5,237296E+20	
2551	2,251609E+21	4,725926E+21	6,448755E+21	6,448790E+21	4,725927E+21	2,251584E+21	5,237223E+20	5,327644E+18	0,000000E+00	0,000000E+00	5,330023E+18	5,238726E+20	
2552	2,251759E+21	4,725856E+21	6,448324E+21	6,448213E+21	4,725652E+21	2,251646E+21	5,238481E+20	5,331674E+18	0,000000E+00	0,000000E+00	5,330969E+18	5,237492E+20	
2553	2,251474E+21	4,725460E+21	6,448143E+21	6,448288E+21	4,725786E+21	2,251724E+21	5,238575E+20	5,334703E+18	0,000000E+00	0,000000E+00	5,335069E+18	5,238486E+20	
2554	2,251649E+21	4,725701E+21	6,448251E+21	6,448053E+21	4,725273E+21	2,251382E+21	5,237566E+20	5,332601E+18	0,000000E+00	0,000000E+00	5,334908E+18	5,238893E+20	
2555	2,251662E+21	4,725551E+21	6,447945E+21	6,447921E+21	4,725482E+21	2,251626E+21	5,239010E+20	5,336098E+18	0,000000E+00	0,000000E+00	5,333431E+18	5,237454E+20	
2556	2,251390E+21	4,725356E+21	6,448133E+21	6,448266E+21	4,725668E+21	2,251606E+21	5,238163E+20	5,335452E+18	0,000000E+00	0,000000E+00	5,336880E+18	5,238998E+20	
2557	2,251683E+21	4,725648E+21	6,448173E+21	6,448070E+21	4,725375E+21	2,251470E+21	5,237962E+20	5,333019E+18	0,000000E+00	0,000000E+00	5,332123E+18	5,238203E+20	
2558	2,251563E+21	4,725481E+21	6,448028E+21	6,448225E+21	4,725816E+21	2,251770E+21	5,239011E+20	5,333654E+18	0,000000E+00	0,000000E+00	5,331123E+18	5,237453E+20	
2559	2,251515E+21	4,725666E+21	6,448422E+21	6,448460E+21	4,725759E+21	2,251572E+21	5,237460E+20	5,330754E+18	0,000000E+00	0,000000E+00	5,331937E+18	5,238793E+20	
2560	2,251784E+21	4,725971E+21	6,448530E+21	6,448373E+21	4,725693E+21	2,251623E+21	5,237996E+20	5,327312E+18	0,000000E+00	0,000000E+00	5,325283E+18	5,237199E+20	
2561	2,251551E+21	4,725777E+21	6,448616E+21	6,448817E+21	4,726175E+21	2,251837E+21	5,238372E+20	5,329159E+18	0,000000E+00	0,000000E+00	5,328193E+18	5,237552E+20	
2562	2,251696E+21	4,726127E+21	6,448970E+21	6,448922E+21	4,725954E+21	2,251555E+21	5,236838E+20	5,324502E+18	0,000000E+00	0,000000E+00	5,325508E+18	5,238352E+20	
2563	2,251834E+21	4,726196E+21	6,448828E+21	6,448787E+21	4,726112E+21	2,251764E+21	5,237973E+20	5,323763E+18	0,000000E+00	0,000000E+00	5,322986E+18	5,236754E+20	
2564	2,251580E+21	4,725995E+21	6,448966E+21	6,449108E+21	4,726332E+21	2,251826E+21	5,237635E+20	5,326427E+18	0,000000E+00	0,000000E+00	5,327493E+18	5,238128E+20	
2565	2,251850E+21	4,726311E+21	6,449060E+21	6,448924E+21	4,725940E+21	2,251575E+21	5,236984E+20	5,322545E+18	0,000000E+00	0,000000E+00	5,323388E+18	5,237816E+20	
2566	2,251764E+21	4,726104E+21	6,448740E+21	6,448790E+21	4,726157E+21	2,251831E+21	5,238534E+20	5,328177E+18	0,000000E+00	0,000000E+00	5,326626E+18	5,236873E+20	
2567	2,251531E+21	4,725878E+21	6,448787E+21	6,448840E+21	4,726036E+21	2,251670E+21	5,237528E+20	5,329449E+18	0,000000E+00	0,000000E+00	5,330431E+18	5,238621E+20	
2568	2,251749E+21	4,725928E+21	6,448531E+21	6,448378E+21	4,725612E+21	2,251552E+21	5,237935E+20	5,329701E+18	0,000000E+00	0,000000E+00	5,330395E+18	5,237792E+20	
2569	2,251504E+21	4,725418E+21	6,448018E+21	6,448216E+21	4,725780E+21	2,251765E+21	5,239117E+20	5,336869E+18	0,000000E+00	0,000000E+00	5,335778E+18	5,237979E+20	
2570	2,251494E+21	4,725443E+21	6,448024E+21	6,447990E+21	4,725323E+21	2,251405E+21	5,237658E+20	5,334597E+18	0,000000E+00	0,000000E+00	5,338090E+18	5,239442E+20	
2571	2,251674E+21	4,725431E+21	6,447667E+21	6,447484E+21	4,725084E+21	2,251467E+21	5,238837E+20	5,338213E+18	0,000000E+00	0,000000E+00	5,337736E+18	5,237944E+20	
2572	2,251335E+21	4,724994E+21	6,447529E+21	6,447648E+21	4,725288E+21	2,251583E+21	5,239104E+20	5,341744E+18	0,000000E+00	0,000000E+00	5,341837E+18	5,238939E+20	
2573	2,251503E+21	4,725201E+21	6,447621E+21	6,447521E+21	4,724903E+21	2,251278E+21	5,238132E+20	5,340024E+18	0,000000E+00	0,000000E+00	5,341288E+18	5,239275E+20	
2574	2,251506E+21	4,725049E+21	6,447286E+21	6,447317E+21	4,725103E+21	2,251550E+21	5,239590E+20	5,342791E+18	0,000000E+00	0,000000E+00	5,339592E+18	5,237921E+20	
2575	2,251251E+21	4,724837E+21	6,447422E+21	6,447582E+21	4,725207E+21	2,251501E+21	5,238722E+20	5,342039E+18	0,000000E+00	0,000000E+00	5,343213E+18	5,239478E+20	
2576	2,251577E+21	4,725208E+21	6,447530E+21	6,447424E+21	4,724921E+21	2,251348E+21	5,238365E+20	5,338683E+18	0,000000E+00	0,000000E+00	5,338195E+18	5,238650E+20	
2577	2,251455E+21	4,725075E+21	6,447426E+21	6,447572E+21	4,725355E+21	2,251650E+21	5,239437E+20	5,339367E+18	0,000000E+00	0,000000E+00	5,337157E+18	5,237865E+20	
2578	2,251405E+21	4,725305E+21	6,447925E+21	6,447894E+21	4,725304E+21	2,251429E+21	5,237798E+20	5,336282E+18	0,000000E+00	0,000000E+00	5,337939E+18	5,239289E+20	
2579	2,251691E+21	4,725599E+21	6,448021E+21	6,447856E+21	4,725293E+21	2,251488E+21	5,238262E+20	5,332479E+18	0,000000E+00	0,000000E+00	5,330799E+18	5,237611E+20	
2580	2,251436E+21	4,725356E+21	6,448054E+21	6,448271E+21	4,725788E+21	2,251729E+21	5,238786E+20	5,334938E+18	0,000000E+00	0,000000E+00	5,334426E+18	5,238091E+20	

Years	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°
2581	2,251607E+21	4,725702E+21	6,448364E+21	6,448373E+21	4,725594E+21	2,251462E+21	5,237317E+20	5,330568E+18	0,000000E+00	0,000000E+00	5,331324E+18	5,238798E+20
2582	2,251740E+21	4,725812E+21	6,448249E+21	6,448173E+21	4,725692E+21	2,251668E+21	5,238486E+20	5,330013E+18	0,000000E+00	0,000000E+00	5,328919E+18	5,237181E+20
2583	2,251456E+21	4,725550E+21	6,448350E+21	6,448453E+21	4,725844E+21	2,251700E+21	5,238225E+20	5,333586E+18	0,000000E+00	0,000000E+00	5,333814E+18	5,238500E+20
2584	2,251700E+21	4,725829E+21	6,448438E+21	6,448303E+21	4,725477E+21	2,251448E+21	5,237544E+20	5,329893E+18	0,000000E+00	0,000000E+00	5,330559E+18	5,238242E+20
2585	2,251586E+21	4,725543E+21	6,448022E+21	6,448096E+21	4,725677E+21	2,251712E+21	5,239159E+20	5,336097E+18	0,000000E+00	0,000000E+00	5,334391E+18	5,237425E+20
2586	2,251370E+21	4,725323E+21	6,448035E+21	6,448091E+21	4,725505E+21	2,251523E+21	5,238038E+20	5,336728E+18	0,000000E+00	0,000000E+00	5,338526E+18	5,239330E+20
2587	2,251637E+21	4,725406E+21	6,447759E+21	6,447598E+21	4,725062E+21	2,251394E+21	5,238342E+20	5,336422E+18	0,000000E+00	0,000000E+00	5,337830E+18	5,238398E+20
2588	2,251389E+21	4,724923E+21	6,447285E+21	6,447443E+21	4,725216E+21	2,251606E+21	5,239597E+20	5,343745E+18	0,000000E+00	0,000000E+00	5,343041E+18	5,238568E+20
2589	2,251383E+21	4,724964E+21	6,447341E+21	6,447318E+21	4,724838E+21	2,251270E+21	5,238217E+20	5,342030E+18	0,000000E+00	0,000000E+00	5,344812E+18	5,239867E+20
2590	2,251537E+21	4,724973E+21	6,447057E+21	6,446852E+21	4,724623E+21	2,251353E+21	5,239426E+20	5,345583E+18	0,000000E+00	0,000000E+00	5,344185E+18	5,238375E+20
2591	2,251173E+21	4,724462E+21	6,446858E+21	6,447008E+21	4,724822E+21	2,251458E+21	5,239722E+20	5,349429E+18	0,000000E+00	0,000000E+00	5,348712E+18	5,239410E+20
2592	2,251359E+21	4,724681E+21	6,446930E+21	6,446876E+21	4,724476E+21	2,251174E+21	5,238663E+20	5,347071E+18	0,000000E+00	0,000000E+00	5,348534E+18	5,239819E+20
2593	2,251379E+21	4,724553E+21	6,446581E+21	6,446607E+21	4,724633E+21	2,251443E+21	5,240099E+20	5,349178E+18	0,000000E+00	0,000000E+00	5,346449E+18	5,238478E+20
2594	2,251156E+21	4,724438E+21	6,446815E+21	6,446907E+21	4,724702E+21	2,251353E+21	5,239074E+20	5,347659E+18	0,000000E+00	0,000000E+00	5,349668E+18	5,240009E+20
2595	2,251496E+21	4,724849E+21	6,446998E+21	6,446832E+21	4,724462E+21	2,251201E+21	5,238625E+20	5,343723E+18	0,000000E+00	0,000000E+00	5,343503E+18	5,238996E+20
2596	2,251334E+21	4,724680E+21	6,446916E+21	6,447038E+21	4,724936E+21	2,251524E+21	5,239826E+20	5,344960E+18	0,000000E+00	0,000000E+00	5,342830E+18	5,238268E+20
2597	2,251285E+21	4,724865E+21	6,447376E+21	6,447429E+21	4,724986E+21	2,251339E+21	5,238267E+20	5,342436E+18	0,000000E+00	0,000000E+00	5,343292E+18	5,239647E+20
2598	2,251570E+21	4,725173E+21	6,447457E+21	6,447317E+21	4,724942E+21	2,251413E+21	5,238739E+20	5,338366E+18	0,000000E+00	0,000000E+00	5,336329E+18	5,238051E+20
2599	2,251320E+21	4,724899E+21	6,447422E+21	6,447646E+21	4,725350E+21	2,251621E+21	5,239307E+20	5,341368E+18	0,000000E+00	0,000000E+00	5,340352E+18	5,238522E+20
2600	2,251505E+21	4,725290E+21	6,447764E+21	6,447750E+21	4,725163E+21	2,251353E+21	5,237791E+20	5,336776E+18	0,000000E+00	0,000000E+00	5,337536E+18	5,239204E+20
2601	2,251615E+21	4,725378E+21	6,447644E+21	6,447515E+21	4,725224E+21	2,251555E+21	5,239034E+20	5,336903E+18	0,000000E+00	0,000000E+00	5,335624E+18	5,237631E+20
2602	2,251324E+21	4,725110E+21	6,447759E+21	6,447825E+21	4,725355E+21	2,251556E+21	5,238699E+20	5,340389E+18	0,000000E+00	0,000000E+00	5,340934E+18	5,239043E+20
2603	2,251569E+21	4,725338E+21	6,447787E+21	6,447668E+21	4,725009E+21	2,251301E+21	5,237936E+20	5,336541E+18	0,000000E+00	0,000000E+00	5,337864E+18	5,238803E+20
2604	2,251444E+21	4,724997E+21	6,447282E+21	6,447368E+21	4,725169E+21	2,251577E+21	5,239659E+20	5,343175E+18	0,000000E+00	0,000000E+00	5,342297E+18	5,238130E+20
2605	2,251264E+21	4,724790E+21	6,447265E+21	6,447363E+21	4,725011E+21	2,251394E+21	5,238572E+20	5,343879E+18	0,000000E+00	0,000000E+00	5,345853E+18	5,239907E+20
2606	2,251529E+21	4,724942E+21	6,447057E+21	6,446837E+21	4,724517E+21	2,251254E+21	5,238870E+20	5,343691E+18	0,000000E+00	0,000000E+00	5,344863E+18	5,238916E+20
2607	2,251252E+21	4,724420E+21	6,446592E+21	6,446700E+21	4,724649E+21	2,251447E+21	5,240190E+20	5,351587E+18	0,000000E+00	0,000000E+00	5,349952E+18	5,239003E+20
2608	2,251233E+21	4,724458E+21	6,446681E+21	6,446652E+21	4,724351E+21	2,251140E+21	5,238813E+20	5,349935E+18	0,000000E+00	0,000000E+00	5,352295E+18	5,240318E+20
2609	2,251364E+21	4,724415E+21	6,446351E+21	6,446175E+21	4,724154E+21	2,251240E+21	5,240032E+20	5,353351E+18	0,000000E+00	0,000000E+00	5,351701E+18	5,238935E+20
2610	2,251033E+21	4,723950E+21	6,446158E+21	6,446316E+21	4,724330E+21	2,251323E+21	5,240181E+20	5,356038E+18	0,000000E+00	0,000000E+00	5,356092E+18	5,240026E+20
2611	2,251257E+21	4,724217E+21	6,446256E+21	6,446197E+21	4,723998E+21	2,251038E+21	5,238999E+20	5,352792E+18	0,000000E+00	0,000000E+00	5,354922E+18	5,240303E+20
2612	2,251269E+21	4,724123E+21	6,445965E+21	6,445957E+21	4,724159E+21	2,251314E+21	5,240487E+20	5,354675E+18	0,000000E+00	0,000000E+00	5,352381E+18	5,238945E+20
2613	2,251056E+21	4,724023E+21	6,446248E+21	6,446363E+21	4,724311E+21	2,251250E+21	5,239542E+20	5,353703E+18	0,000000E+00	0,000000E+00	5,354827E+18	5,240295E+20
2614	2,251373E+21	4,724456E+21	6,446491E+21	6,446321E+21	4,724088E+21	2,251109E+21	5,239105E+20	5,349737E+18	0,000000E+00	0,000000E+00	5,348546E+18	5,239337E+20
2615	2,251198E+21	4,724222E+21	6,446338E+21	6,446499E+21	4,724543E+21	2,251416E+21	5,240328E+20	5,351461E+18	0,000000E+00	0,000000E+00	5,348597E+18	5,238696E+20
2616	2,251178E+21	4,724430E+21	6,446768E+21	6,446846E+21	4,724608E+21	2,251256E+21	5,238761E+20	5,348691E+18	0,000000E+00	0,000000E+00	5,349615E+18	5,240144E+20

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												
2617	2,251470E+21	4,724752E+21	6,446846E+21	6,446683E+21	4,724503E+21	2,251310E+21	5,239206E+20	5,344432E+18	0,000000E+00	0,000000E+00	5,342813E+18	5,238584E+20
2618	2,251243E+21	4,724550E+21	6,446871E+21	6,447014E+21	4,724856E+21	2,251473E+21	5,239651E+20	5,347099E+18	0,000000E+00	0,000000E+00	5,346810E+18	5,239011E+20
2619	2,251410E+21	4,724914E+21	6,447231E+21	6,447169E+21	4,724710E+21	2,251213E+21	5,238113E+20	5,342436E+18	0,000000E+00	0,000000E+00	5,343586E+18	5,239576E+20
2620	2,251473E+21	4,724920E+21	6,447066E+21	6,446938E+21	4,724776E+21	2,251424E+21	5,239480E+20	5,343391E+18	0,000000E+00	0,000000E+00	5,342558E+18	5,238152E+20
2621	2,251184E+21	4,724570E+21	6,447068E+21	6,447232E+21	4,724954E+21	2,251453E+21	5,239243E+20	5,347431E+18	0,000000E+00	0,000000E+00	5,347618E+18	5,239514E+20
2622	2,251426E+21	4,724811E+21	6,447067E+21	6,446974E+21	4,724545E+21	2,251200E+21	5,238491E+20	5,343493E+18	0,000000E+00	0,000000E+00	5,344834E+18	5,239366E+20
2623	2,251312E+21	4,724452E+21	6,446508E+21	6,446590E+21	4,724607E+21	2,251430E+21	5,240229E+20	5,350732E+18	0,000000E+00	0,000000E+00	5,349363E+18	5,238658E+20
2624	2,251148E+21	4,724306E+21	6,446542E+21	6,446591E+21	4,724468E+21	2,251260E+21	5,239148E+20	5,351365E+18	0,000000E+00	0,000000E+00	5,353136E+18	5,240371E+20
2625	2,251384E+21	4,724443E+21	6,446374E+21	6,446105E+21	4,723972E+21	2,251117E+21	5,239485E+20	5,351732E+18	0,000000E+00	0,000000E+00	5,352316E+18	5,239417E+20
2626	2,251112E+21	4,723942E+21	6,445943E+21	6,446024E+21	4,724116E+21	2,251284E+21	5,240675E+20	5,359021E+18	0,000000E+00	0,000000E+00	5,357500E+18	5,239567E+20
2627	2,251096E+21	4,723947E+21	6,446008E+21	6,446008E+21	4,723887E+21	2,251005E+21	5,239252E+20	5,356926E+18	0,000000E+00	0,000000E+00	5,359856E+18	5,240886E+20
2628	2,251226E+21	4,723883E+21	6,445633E+21	6,445490E+21	4,723673E+21	2,251119E+21	5,240516E+20	5,360053E+18	0,000000E+00	0,000000E+00	5,359243E+18	5,239620E+20
2629	2,250934E+21	4,723452E+21	6,445449E+21	6,445664E+21	4,723882E+21	2,251212E+21	5,240684E+20	5,362490E+18	0,000000E+00	0,000000E+00	5,362504E+18	5,240482E+20
2630	2,251148E+21	4,723797E+21	6,445648E+21	6,445552E+21	4,723533E+21	2,250925E+21	5,239473E+20	5,359028E+18	0,000000E+00	0,000000E+00	5,360713E+18	5,240674E+20
2631	2,251131E+21	4,723661E+21	6,445359E+21	6,445337E+21	4,723678E+21	2,251183E+21	5,240998E+20	5,361287E+18	0,000000E+00	0,000000E+00	5,357935E+18	5,239271E+20
2632	2,250921E+21	4,723580E+21	6,445659E+21	6,445786E+21	4,723906E+21	2,251153E+21	5,240068E+20	5,360439E+18	0,000000E+00	0,000000E+00	5,360907E+18	5,240656E+20
2633	2,251228E+21	4,723980E+21	6,445869E+21	6,445732E+21	4,723690E+21	2,251018E+21	5,239620E+20	5,356263E+18	0,000000E+00	0,000000E+00	5,354811E+18	5,239853E+20
2634	2,251106E+21	4,723820E+21	6,445738E+21	6,445893E+21	4,724099E+21	2,251285E+21	5,240651E+20	5,356913E+18	0,000000E+00	0,000000E+00	5,355075E+18	5,239283E+20
2635	2,251116E+21	4,724073E+21	6,446210E+21	6,446263E+21	4,724172E+21	2,251124E+21	5,239022E+20	5,353624E+18	0,000000E+00	0,000000E+00	5,355497E+18	5,240607E+20
2636	2,251381E+21	4,724387E+21	6,446313E+21	6,446110E+21	4,724056E+21	2,251182E+21	5,239532E+20	5,349563E+18	0,000000E+00	0,000000E+00	5,348874E+18	5,239067E+20
2637	2,251147E+21	4,724153E+21	6,446345E+21	6,446510E+21	4,724471E+21	2,251370E+21	5,240099E+20	5,353042E+18	0,000000E+00	0,000000E+00	5,352282E+18	5,239297E+20
2638	2,251269E+21	4,724484E+21	6,446689E+21	6,446640E+21	4,724317E+21	2,251117E+21	5,238616E+20	5,348861E+18	0,000000E+00	0,000000E+00	5,349413E+18	5,239930E+20
2639	2,251307E+21	4,724379E+21	6,446376E+21	6,446311E+21	4,724328E+21	2,251313E+21	5,240066E+20	5,350811E+18	0,000000E+00	0,000000E+00	5,349326E+18	5,238652E+20
2640	2,251057E+21	4,724052E+21	6,446312E+21	6,446498E+21	4,724482E+21	2,251358E+21	5,239863E+20	5,354865E+18	0,000000E+00	0,000000E+00	5,354940E+18	5,240059E+20
2641	2,251298E+21	4,724295E+21	6,446308E+21	6,446192E+21	4,723997E+21	2,251071E+21	5,239091E+20	5,351096E+18	0,000000E+00	0,000000E+00	5,352460E+18	5,239981E+20
2642	2,251214E+21	4,724015E+21	6,445825E+21	6,445830E+21	4,724006E+21	2,251243E+21	5,240634E+20	5,357803E+18	0,000000E+00	0,000000E+00	5,356958E+18	5,239234E+20
2643	2,251031E+21	4,723850E+21	6,445906E+21	6,445912E+21	4,723922E+21	2,251090E+21	5,239571E+20	5,358314E+18	0,000000E+00	0,000000E+00	5,360532E+18	5,240852E+20
2644	2,251225E+21	4,723916E+21	6,445708E+21	6,445462E+21	4,723472E+21	2,250971E+21	5,239982E+20	5,359186E+18	0,000000E+00	0,000000E+00	5,360255E+18	5,240032E+20
2645	2,250965E+21	4,723376E+21	6,445221E+21	6,445398E+21	4,723686E+21	2,251178E+21	5,241237E+20	5,366349E+18	0,000000E+00	0,000000E+00	5,364621E+18	5,240072E+20
2646	2,250953E+21	4,723420E+21	6,445288E+21	6,445320E+21	4,723427E+21	2,250909E+21	5,239828E+20	5,363951E+18	0,000000E+00	0,000000E+00	5,366801E+18	5,241388E+20
2647	2,251086E+21	4,723346E+21	6,444882E+21	6,444765E+21	4,723161E+21	2,250994E+21	5,241087E+20	5,367159E+18	0,000000E+00	0,000000E+00	5,365643E+18	5,240092E+20
2648	2,250823E+21	4,722998E+21	6,444755E+21	6,444947E+21	4,723402E+21	2,251107E+21	5,241255E+20	5,369369E+18	0,000000E+00	0,000000E+00	5,368783E+18	5,240844E+20
2649	2,251004E+21	4,723334E+21	6,445024E+21	6,444909E+21	4,723060E+21	2,250811E+21	5,240040E+20	5,366011E+18	0,000000E+00	0,000000E+00	5,366943E+18	5,241116E+20
2650	2,251018E+21	4,723253E+21	6,444788E+21	6,444748E+21	4,723203E+21	2,251025E+21	5,241335E+20	5,367305E+18	0,000000E+00	0,000000E+00	5,364313E+18	5,239791E+20
2651	2,250824E+21	4,723174E+21	6,445091E+21	6,445228E+21	4,723492E+21	2,251028E+21	5,240387E+20	5,365986E+18	0,000000E+00	0,000000E+00	5,367337E+18	5,241192E+20
2652	2,251137E+21	4,723579E+21	6,445290E+21	6,445162E+21	4,723273E+21	2,250903E+21	5,239942E+20	5,361426E+18	0,000000E+00	0,000000E+00	5,361259E+18	5,240475E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Years	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°
2653	2,251044E+21	4,723457E+21	6,445195E+21	6,445359E+21	4,723705E+21	2,251176E+21	5,241007E+20	5,362106E+18	0,000000E+00	0,000000E+00	5,360497E+18	5,239654E+20
2654	2,251025E+21	4,723741E+21	6,445729E+21	6,445740E+21	4,723778E+21	2,251028E+21	5,239444E+20	5,359102E+18	0,000000E+00	0,000000E+00	5,360472E+18	5,240847E+20
2655	2,251233E+21	4,723949E+21	6,445766E+21	6,445585E+21	4,723642E+21	2,251070E+21	5,240052E+20	5,356039E+18	0,000000E+00	0,000000E+00	5,354323E+18	5,239353E+20
2656	2,250996E+21	4,723679E+21	6,445715E+21	6,445926E+21	4,724088E+21	2,251291E+21	5,240708E+20	5,360199E+18	0,000000E+00	0,000000E+00	5,358573E+18	5,239636E+20
2657	2,251091E+21	4,723930E+21	6,445978E+21	6,445989E+21	4,723884E+21	2,251028E+21	5,239246E+20	5,356192E+18	0,000000E+00	0,000000E+00	5,356414E+18	5,240481E+20
2658	2,251191E+21	4,723888E+21	6,445641E+21	6,445576E+21	4,723788E+21	2,251156E+21	5,240479E+20	5,357486E+18	0,000000E+00	0,000000E+00	5,356880E+18	5,239304E+20
2659	2,250967E+21	4,723608E+21	6,445616E+21	6,445759E+21	4,723931E+21	2,251196E+21	5,240247E+20	5,361157E+18	0,000000E+00	0,000000E+00	5,362175E+18	5,240626E+20
2660	2,251188E+21	4,723844E+21	6,445640E+21	6,445476E+21	4,723448E+21	2,250911E+21	5,239518E+20	5,357835E+18	0,000000E+00	0,000000E+00	5,360108E+18	5,240605E+20
2661	2,251099E+21	4,723545E+21	6,445195E+21	6,445211E+21	4,723519E+21	2,251102E+21	5,241127E+20	5,364981E+18	0,000000E+00	0,000000E+00	5,363861E+18	5,239690E+20
2662	2,250883E+21	4,723358E+21	6,445270E+21	6,445301E+21	4,723465E+21	2,250971E+21	5,240140E+20	5,365735E+18	0,000000E+00	0,000000E+00	5,367692E+18	5,241323E+20
2663	2,251052E+21	4,723323E+21	6,444944E+21	6,444781E+21	4,722995E+21	2,250855E+21	5,240623E+20	5,367283E+18	0,000000E+00	0,000000E+00	5,367913E+18	5,240627E+20
2664	2,250836E+21	4,722840E+21	6,444425E+21	6,444625E+21	4,723199E+21	2,251086E+21	5,241898E+20	5,374018E+18	0,000000E+00	0,000000E+00	5,372150E+18	5,240612E+20
2665	2,250813E+21	4,722898E+21	6,444534E+21	6,444547E+21	4,722888E+21	2,250789E+21	5,240468E+20	5,371554E+18	0,000000E+00	0,000000E+00	5,374092E+18	5,241930E+20
2666	2,250981E+21	4,722910E+21	6,444210E+21	6,444035E+21	4,722593E+21	2,250819E+21	5,241482E+20	5,373740E+18	0,000000E+00	0,000000E+00	5,372445E+18	5,240599E+20
2667	2,250711E+21	4,722577E+21	6,444159E+21	6,444315E+21	4,722900E+21	2,250946E+21	5,241621E+20	5,375479E+18	0,000000E+00	0,000000E+00	5,375342E+18	5,241286E+20
2668	2,250866E+21	4,722868E+21	6,444411E+21	6,444322E+21	4,722618E+21	2,250678E+21	5,240422E+20	5,372145E+18	0,000000E+00	0,000000E+00	5,373696E+18	5,241698E+20
2669	2,250909E+21	4,722803E+21	6,444202E+21	6,444224E+21	4,722829E+21	2,250920E+21	5,241703E+20	5,372841E+18	0,000000E+00	0,000000E+00	5,370084E+18	5,240246E+20
2670	2,250730E+21	4,722791E+21	6,444548E+21	6,444683E+21	4,723106E+21	2,250935E+21	5,240808E+20	5,371445E+18	0,000000E+00	0,000000E+00	5,372726E+18	5,241553E+20
2671	2,251023E+21	4,723165E+21	6,444715E+21	6,444608E+21	4,722873E+21	2,250801E+21	5,240414E+20	5,367236E+18	0,000000E+00	0,000000E+00	5,366281E+18	5,240794E+20
2672	2,250940E+21	4,723093E+21	6,444647E+21	6,444789E+21	4,723331E+21	2,251104E+21	5,241555E+20	5,368335E+18	0,000000E+00	0,000000E+00	5,365700E+18	5,239869E+20
2673	2,250865E+21	4,723296E+21	6,445175E+21	6,445195E+21	4,723385E+21	2,250945E+21	5,240055E+20	5,365892E+18	0,000000E+00	0,000000E+00	5,366097E+18	5,241178E+20
2674	2,251098E+21	4,723502E+21	6,445161E+21	6,445007E+21	4,723206E+21	2,250932E+21	5,240452E+20	5,362293E+18	0,000000E+00	0,000000E+00	5,360975E+18	5,239890E+20
2675	2,250884E+21	4,723218E+21	6,445051E+21	6,445283E+21	4,723636E+21	2,251161E+21	5,241104E+20	5,366305E+18	0,000000E+00	0,000000E+00	5,365831E+18	5,240268E+20
2676	2,250987E+21	4,723457E+21	6,445272E+21	6,445284E+21	4,723381E+21	2,250890E+21	5,239650E+20	5,362258E+18	0,000000E+00	0,000000E+00	5,364136E+18	5,241232E+20
2677	2,251116E+21	4,723465E+21	6,445004E+21	6,444910E+21	4,723278E+21	2,251003E+21	5,240852E+20	5,363728E+18	0,000000E+00	0,000000E+00	5,363752E+18	5,239828E+20
2678	2,250867E+21	4,723213E+21	6,445040E+21	6,445115E+21	4,723422E+21	2,251052E+21	5,240720E+20	5,367833E+18	0,000000E+00	0,000000E+00	5,368623E+18	5,240999E+20
2679	2,251024E+21	4,723333E+21	6,444986E+21	6,444845E+21	4,722963E+21	2,250776E+21	5,240118E+20	5,365695E+18	0,000000E+00	0,000000E+00	5,367119E+18	5,241037E+20
2680	2,250940E+21	4,723011E+21	6,444469E+21	6,444524E+21	4,723076E+21	2,251011E+21	5,241821E+20	5,373287E+18	0,000000E+00	0,000000E+00	5,371232E+18	5,240145E+20
2681	2,250698E+21	4,722753E+21	6,444487E+21	6,444580E+21	4,722988E+21	2,250879E+21	5,240887E+20	5,373990E+18	0,000000E+00	0,000000E+00	5,375480E+18	5,241921E+20
2682	2,250927E+21	4,722790E+21	6,444154E+21	6,443997E+21	4,722431E+21	2,250694E+21	5,241117E+20	5,374629E+18	0,000000E+00	0,000000E+00	5,375844E+18	5,241286E+20
2683	2,250732E+21	4,722366E+21	6,443693E+21	6,443850E+21	4,722638E+21	2,250925E+21	5,242331E+20	5,380508E+18	0,000000E+00	0,000000E+00	5,379424E+18	5,241159E+20
2684	2,250685E+21	4,722423E+21	6,443858E+21	6,443835E+21	4,722351E+21	2,250635E+21	5,240898E+20	5,378112E+18	0,000000E+00	0,000000E+00	5,381308E+18	5,242488E+20
2685	2,250856E+21	4,722453E+21	6,443619E+21	6,443445E+21	4,722124E+21	2,250672E+21	5,241884E+20	5,380126E+18	0,000000E+00	0,000000E+00	5,378455E+18	5,241007E+20
2686	2,250582E+21	4,722143E+21	6,443599E+21	6,443764E+21	4,722488E+21	2,250829E+21	5,242082E+20	5,381807E+18	0,000000E+00	0,000000E+00	5,381244E+18	5,241668E+20
2687	2,250724E+21	4,722376E+21	6,443768E+21	6,443744E+21	4,722231E+21	2,250584E+21	5,240959E+20	5,378842E+18	0,000000E+00	0,000000E+00	5,379729E+18	5,242185E+20
2688	2,250816E+21	4,722394E+21	6,443573E+21	6,443596E+21	4,722444E+21	2,250848E+21	5,242243E+20	5,379147E+18	0,000000E+00	0,000000E+00	5,375955E+18	5,240648E+20

1 Longitude \ominus 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	2,250615E+21	4,722385E+21	6,443977E+21	6,444091E+21	4,722689E+21	2,250844E+21	5,241373E+20	5,377831E+18	0,000000E+00	0,000000E+00	5,378483E+18	5,241933E+20
2690	2,250923E+21	4,722792E+21	6,444174E+21	6,444031E+21	4,722422E+21	2,250656E+21	5,240758E+20	5,372876E+18	0,000000E+00	0,000000E+00	5,372104E+18	5,241182E+20
2691	2,250821E+21	4,722697E+21	6,444114E+21	6,444237E+21	4,722908E+21	2,250971E+21	5,241912E+20	5,373936E+18	0,000000E+00	0,000000E+00	5,371996E+18	5,240296E+20
2692	2,250721E+21	4,722815E+21	6,444550E+21	6,444614E+21	4,722975E+21	2,250826E+21	5,240440E+20	5,371756E+18	0,000000E+00	0,000000E+00	5,373001E+18	5,241777E+20
2693	2,250983E+21	4,723030E+21	6,444529E+21	6,444413E+21	4,722790E+21	2,250813E+21	5,240813E+20	5,367957E+18	0,000000E+00	0,000000E+00	5,367461E+18	5,240465E+20
2694	2,250801E+21	4,722814E+21	6,444440E+21	6,444636E+21	4,723167E+21	2,251033E+21	5,241518E+20	5,372211E+18	0,000000E+00	0,000000E+00	5,372062E+18	5,240743E+20
2695	2,250876E+21	4,723010E+21	6,444617E+21	6,444612E+21	4,722899E+21	2,250762E+21	5,240168E+20	5,368907E+18	0,000000E+00	0,000000E+00	5,370420E+18	5,241696E+20
2696	2,251010E+21	4,723052E+21	6,444383E+21	6,444237E+21	4,722817E+21	2,250897E+21	5,241441E+20	5,371150E+18	0,000000E+00	0,000000E+00	5,370268E+18	5,240184E+20
2697	2,250700E+21	4,722713E+21	6,444413E+21	6,444485E+21	4,722951E+21	2,250938E+21	5,241417E+20	5,375906E+18	0,000000E+00	0,000000E+00	5,375562E+18	5,241444E+20
2698	2,250873E+21	4,722801E+21	6,444274E+21	6,444169E+21	4,722472E+21	2,250626E+21	5,240643E+20	5,373482E+18	0,000000E+00	0,000000E+00	5,375158E+18	5,241652E+20
2699	2,250804E+21	4,722477E+21	6,443719E+21	6,443783E+21	4,722564E+21	2,250874E+21	5,242343E+20	5,380586E+18	0,000000E+00	0,000000E+00	5,379524E+18	5,240843E+20
2700	2,250568E+21	4,722202E+21	6,443690E+21	6,443785E+21	4,722432E+21	2,250732E+21	5,241404E+20	5,381112E+18	0,000000E+00	0,000000E+00	5,383806E+18	5,242633E+20
2701	2,250815E+21	4,722303E+21	6,443459E+21	6,443270E+21	4,721889E+21	2,250537E+21	5,241557E+20	5,381455E+18	0,000000E+00	0,000000E+00	5,382891E+18	5,241805E+20
2702	2,250612E+21	4,721926E+21	6,443080E+21	6,443173E+21	4,722112E+21	2,250772E+21	5,242805E+20	5,387256E+18	0,000000E+00	0,000000E+00	5,385634E+18	5,241501E+20
2703	2,250513E+21	4,721889E+21	6,443188E+21	6,443199E+21	4,721887E+21	2,250508E+21	5,241477E+20	5,385619E+18	0,000000E+00	0,000000E+00	5,387709E+18	5,242894E+20
2704	2,250710E+21	4,721951E+21	6,442942E+21	6,442807E+21	4,721727E+21	2,250589E+21	5,242472E+20	5,387460E+18	0,000000E+00	0,000000E+00	5,384760E+18	5,241413E+20
2705	2,250429E+21	4,721633E+21	6,442937E+21	6,443140E+21	4,722071E+21	2,250742E+21	5,242705E+20	5,388811E+18	0,000000E+00	0,000000E+00	5,387664E+18	5,242177E+20
2706	2,250635E+21	4,721950E+21	6,443124E+21	6,443097E+21	4,721774E+21	2,250451E+21	5,241350E+20	5,384830E+18	0,000000E+00	0,000000E+00	5,386037E+18	5,242703E+20
2707	2,250737E+21	4,722036E+21	6,443022E+21	6,442988E+21	4,721999E+21	2,250717E+21	5,242574E+20	5,384272E+18	0,000000E+00	0,000000E+00	5,381985E+18	5,241106E+20
2708	2,250508E+21	4,721995E+21	6,443441E+21	6,443526E+21	4,722261E+21	2,250721E+21	5,241739E+20	5,383229E+18	0,000000E+00	0,000000E+00	5,384584E+18	5,242378E+20
2709	2,250804E+21	4,722392E+21	6,443689E+21	6,443549E+21	4,722040E+21	2,250532E+21	5,241076E+20	5,378150E+18	0,000000E+00	0,000000E+00	5,377586E+18	5,241584E+20
2710	2,250708E+21	4,722295E+21	6,443590E+21	6,443713E+21	4,722528E+21	2,250862E+21	5,242294E+20	5,379552E+18	0,000000E+00	0,000000E+00	5,377766E+18	5,240710E+20
2711	2,250593E+21	4,722334E+21	6,443897E+21	6,444004E+21	4,722580E+21	2,250734E+21	5,240950E+20	5,378029E+18	0,000000E+00	0,000000E+00	5,379128E+18	5,242305E+20
2712	2,250900E+21	4,722624E+21	6,443879E+21	6,443732E+21	4,722362E+21	2,250723E+21	5,241355E+20	5,374632E+18	0,000000E+00	0,000000E+00	5,373668E+18	5,240904E+20
2713	2,250687E+21	4,722395E+21	6,443848E+21	6,443994E+21	4,722692E+21	2,250915E+21	5,242119E+20	5,379399E+18	0,000000E+00	0,000000E+00	5,378354E+18	5,241170E+20
2714	2,250765E+21	4,722583E+21	6,444015E+21	6,443964E+21	4,722391E+21	2,250601E+21	5,240630E+20	5,375939E+18	0,000000E+00	0,000000E+00	5,377290E+18	5,242143E+20
2715	2,250866E+21	4,722573E+21	6,443759E+21	6,443597E+21	4,722328E+21	2,250748E+21	5,241922E+20	5,378347E+18	0,000000E+00	0,000000E+00	5,377905E+18	5,240724E+20
2716	2,250533E+21	4,722140E+21	6,443675E+21	6,443798E+21	4,722474E+21	2,250809E+21	5,241938E+20	5,383177E+18	0,000000E+00	0,000000E+00	5,383724E+18	5,242092E+20
2717	2,250725E+21	4,722241E+21	6,443538E+21	6,443460E+21	4,721976E+21	2,250492E+21	5,241124E+20	5,380561E+18	0,000000E+00	0,000000E+00	5,382971E+18	5,242283E+20
2718	2,250687E+21	4,721978E+21	6,443000E+21	6,443031E+21	4,722028E+21	2,250734E+21	5,242855E+20	5,387592E+18	0,000000E+00	0,000000E+00	5,386502E+18	5,241338E+20
2719	2,250424E+21	4,721662E+21	6,442933E+21	6,443027E+21	4,721910E+21	2,250602E+21	5,242007E+20	5,388621E+18	0,000000E+00	0,000000E+00	5,390619E+18	5,243087E+20
2720	2,250681E+21	4,721813E+21	6,442751E+21	6,442536E+21	4,721396E+21	2,250425E+21	5,242193E+20	5,389387E+18	0,000000E+00	0,000000E+00	5,389507E+18	5,242187E+20
2721	2,250443E+21	4,721399E+21	6,442419E+21	6,442525E+21	4,721628E+21	2,250646E+21	5,243450E+20	5,395091E+18	0,000000E+00	0,000000E+00	5,392357E+18	5,241991E+20
2722	2,250385E+21	4,721377E+21	6,442488E+21	6,442524E+21	4,721404E+21	2,250364E+21	5,241942E+20	5,392797E+18	0,000000E+00	0,000000E+00	5,395147E+18	5,243514E+20
2723	2,250610E+21	4,721497E+21	6,442287E+21	6,442137E+21	4,721250E+21	2,250457E+21	5,242865E+20	5,393518E+18	0,000000E+00	0,000000E+00	5,392138E+18	5,242086E+20
2724	2,250345E+21	4,721212E+21	6,442304E+21	6,442480E+21	4,721592E+21	2,250608E+21	5,243070E+20	5,394460E+18	0,000000E+00	0,000000E+00	5,394672E+18	5,242769E+20

1 Years \ Longitude ☉	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°
2725	2,250553E+21	4,721593E+21	6,442619E+21	6,442536E+21	4,721343E+21	2,250319E+21	5,241646E+20	5,390089E+18	0,000000E+00	0,000000E+00	5,391677E+18	5,243092E+20
2726	2,250637E+21	4,721693E+21	6,442573E+21	6,442485E+21	4,721595E+21	2,250595E+21	5,242922E+20	5,389516E+18	0,000000E+00	0,000000E+00	5,386957E+18	5,241355E+20
2727	2,250355E+21	4,721525E+21	6,442869E+21	6,443013E+21	4,721908E+21	2,250631E+21	5,242240E+20	5,389443E+18	0,000000E+00	0,000000E+00	5,389844E+18	5,242692E+20
2728	2,250667E+21	4,721929E+21	6,443067E+21	6,442982E+21	4,721707E+21	2,250474E+21	5,241627E+20	5,384579E+18	0,000000E+00	0,000000E+00	5,383111E+18	5,241953E+20
2729	2,250573E+21	4,721825E+21	6,442971E+21	6,443111E+21	4,722113E+21	2,250772E+21	5,242873E+20	5,386179E+18	0,000000E+00	0,000000E+00	5,383827E+18	5,241202E+20
2730	2,250511E+21	4,721912E+21	6,443248E+21	6,443329E+21	4,722098E+21	2,250598E+21	5,241381E+20	5,384259E+18	0,000000E+00	0,000000E+00	5,385442E+18	5,242806E+20
2731	2,250814E+21	4,722246E+21	6,443308E+21	6,443091E+21	4,721874E+21	2,250580E+21	5,241735E+20	5,380656E+18	0,000000E+00	0,000000E+00	5,380405E+18	5,241402E+20
2732	2,250567E+21	4,721956E+21	6,443254E+21	6,443367E+21	4,722204E+21	2,250769E+21	5,242545E+20	5,385964E+18	0,000000E+00	0,000000E+00	5,385375E+18	5,241659E+20
2733	2,250623E+21	4,722112E+21	6,443439E+21	6,443393E+21	4,721952E+21	2,250465E+21	5,241054E+20	5,382597E+18	0,000000E+00	0,000000E+00	5,384213E+18	5,242641E+20
2734	2,250730E+21	4,722078E+21	6,443119E+21	6,442974E+21	4,721877E+21	2,250626E+21	5,242414E+20	5,385437E+18	0,000000E+00	0,000000E+00	5,385119E+18	5,241265E+20
2735	2,250384E+21	4,721559E+21	6,442884E+21	6,443063E+21	4,721998E+21	2,250704E+21	5,242571E+20	5,390700E+18	0,000000E+00	0,000000E+00	5,391150E+18	5,242683E+20
2736	2,250608E+21	4,721731E+21	6,442762E+21	6,442672E+21	4,721471E+21	2,250389E+21	5,241778E+20	5,388456E+18	0,000000E+00	0,000000E+00	5,390355E+18	5,242781E+20
2737	2,250542E+21	4,721466E+21	6,442297E+21	6,442282E+21	4,721470E+21	2,250596E+21	5,243505E+20	5,395592E+18	0,000000E+00	0,000000E+00	5,393558E+18	5,241830E+20
2738	2,250293E+21	4,721149E+21	6,442210E+21	6,442278E+21	4,721343E+21	2,250433E+21	5,242521E+20	5,396285E+18	0,000000E+00	0,000000E+00	5,398024E+18	5,243581E+20
2739	2,250536E+21	4,721299E+21	6,442063E+21	6,441841E+21	4,720873E+21	2,250269E+21	5,242653E+20	5,396644E+18	0,000000E+00	0,000000E+00	5,397281E+18	5,242797E+20
2740	2,250303E+21	4,720860E+21	6,441696E+21	6,441836E+21	4,721136E+21	2,250505E+21	5,243878E+20	5,401786E+18	0,000000E+00	0,000000E+00	5,400072E+18	5,242653E+20
2741	2,250277E+21	4,720918E+21	6,441857E+21	6,441883E+21	4,720940E+21	2,250233E+21	5,242327E+20	5,398908E+18	0,000000E+00	0,000000E+00	5,402056E+18	5,244098E+20
2742	2,250530E+21	4,721116E+21	6,441730E+21	6,441538E+21	4,720799E+21	2,250332E+21	5,243235E+20	5,399088E+18	0,000000E+00	0,000000E+00	5,397779E+18	5,242477E+20
2743	2,250229E+21	4,720793E+21	6,441730E+21	6,441906E+21	4,721190E+21	2,250513E+21	5,243563E+20	5,400443E+18	0,000000E+00	0,000000E+00	5,399872E+18	5,243046E+20
2744	2,250428E+21	4,721195E+21	6,442073E+21	6,441993E+21	4,720986E+21	2,250250E+21	5,242213E+20	5,396659E+18	0,000000E+00	0,000000E+00	5,396599E+18	5,243284E+20
2745	2,250472E+21	4,721230E+21	6,442031E+21	6,441987E+21	4,721229E+21	2,250511E+21	5,243501E+20	5,396121E+18	0,000000E+00	0,000000E+00	5,392352E+18	5,241725E+20
2746	2,250236E+21	4,721049E+21	6,442212E+21	6,442411E+21	4,721501E+21	2,250524E+21	5,242691E+20	5,395814E+18	0,000000E+00	0,000000E+00	5,396153E+18	5,243201E+20
2747	2,250572E+21	4,721498E+21	6,442430E+21	6,442334E+21	4,721250E+21	2,250355E+21	5,242023E+20	5,390300E+18	0,000000E+00	0,000000E+00	5,389966E+18	5,242592E+20
2748	2,250497E+21	4,721424E+21	6,442353E+21	6,442455E+21	4,721620E+21	2,250626E+21	5,243205E+20	5,391829E+18	0,000000E+00	0,000000E+00	5,390769E+18	5,241778E+20
2749	2,250428E+21	4,721562E+21	6,442745E+21	6,442745E+21	4,721622E+21	2,250449E+21	5,241700E+20	5,389913E+18	0,000000E+00	0,000000E+00	5,391618E+18	5,243243E+20
2750	2,250707E+21	4,721866E+21	6,442812E+21	6,442553E+21	4,721424E+21	2,250440E+21	5,242105E+20	5,386793E+18	0,000000E+00	0,000000E+00	5,386513E+18	5,241753E+20
2751	2,250405E+21	4,721437E+21	6,442606E+21	6,442783E+21	4,721799E+21	2,250668E+21	5,243088E+20	5,393004E+18	0,000000E+00	0,000000E+00	5,391898E+18	5,242079E+20
2752	2,250470E+21	4,721575E+21	6,442703E+21	6,442723E+21	4,721550E+21	2,250395E+21	5,241702E+20	5,390197E+18	0,000000E+00	0,000000E+00	5,391206E+18	5,243102E+20
2753	2,250575E+21	4,721522E+21	6,442375E+21	6,442265E+21	4,721382E+21	2,250520E+21	5,243089E+20	5,393283E+18	0,000000E+00	0,000000E+00	5,392499E+18	5,241875E+20
2754	2,250278E+21	4,721035E+21	6,442081E+21	6,442255E+21	4,721430E+21	2,250554E+21	5,243115E+20	5,398136E+18	0,000000E+00	0,000000E+00	5,398627E+18	5,243242E+20
2755	2,250488E+21	4,721248E+21	6,442054E+21	6,441900E+21	4,720886E+21	2,250229E+21	5,242283E+20	5,395729E+18	0,000000E+00	0,000000E+00	5,398252E+18	5,243381E+20
2756	2,250406E+21	4,720955E+21	6,441599E+21	6,441555E+21	4,720895E+21	2,250421E+21	5,243958E+20	5,402892E+18	0,000000E+00	0,000000E+00	5,401273E+18	5,242400E+20
2757	2,250152E+21	4,720659E+21	6,441574E+21	6,441627E+21	4,720835E+21	2,250275E+21	5,242943E+20	5,403273E+18	0,000000E+00	0,000000E+00	5,405464E+18	5,244152E+20
2758	2,250416E+21	4,720823E+21	6,441420E+21	6,441210E+21	4,720408E+21	2,250137E+21	5,243083E+20	5,403462E+18	0,000000E+00	0,000000E+00	5,404299E+18	5,243347E+20
2759	2,250183E+21	4,720361E+21	6,440989E+21	6,441165E+21	4,720691E+21	2,250403E+21	5,244419E+20	5,408514E+18	0,000000E+00	0,000000E+00	5,406624E+18	5,243162E+20
2760	2,250180E+21	4,720497E+21	6,441214E+21	6,441239E+21	4,720527E+21	2,250157E+21	5,242939E+20	5,405957E+18	0,000000E+00	0,000000E+00	5,408039E+18	5,244425E+20

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												
2761	2,250392E+21	4,720686E+21	6,441182E+21	6,440985E+21	4,720370E+21	2,250230E+21	5,243820E+20	5,405865E+18	0,000000E+00	0,000000E+00	5,403285E+18	5,242810E+20
2762	2,250096E+21	4,720327E+21	6,441107E+21	6,441312E+21	4,720753E+21	2,250392E+21	5,244052E+20	5,407034E+18	0,000000E+00	0,000000E+00	5,405733E+18	5,243361E+20
2763	2,250276E+21	4,720718E+21	6,441462E+21	6,441419E+21	4,720570E+21	2,250139E+21	5,242638E+20	5,402707E+18	0,000000E+00	0,000000E+00	5,403097E+18	5,243781E+20
2764	2,250340E+21	4,720740E+21	6,441365E+21	6,441363E+21	4,720785E+21	2,250387E+21	5,243852E+20	5,401697E+18	0,000000E+00	0,000000E+00	5,399053E+18	5,242306E+20
2765	2,250149E+21	4,720660E+21	6,441632E+21	6,441796E+21	4,721049E+21	2,250395E+21	5,242999E+20	5,401032E+18	0,000000E+00	0,000000E+00	5,402304E+18	5,243742E+20
2766	2,250512E+21	4,721173E+21	6,441914E+21	6,441767E+21	4,720811E+21	2,250224E+21	5,242317E+20	5,395398E+18	0,000000E+00	0,000000E+00	5,395432E+18	5,242999E+20
2767	2,250401E+21	4,721048E+21	6,441809E+21	6,441897E+21	4,721209E+21	2,250516E+21	5,243625E+20	5,397639E+18	0,000000E+00	0,000000E+00	5,396269E+18	5,242123E+20
2768	2,250312E+21	4,721166E+21	6,442201E+21	6,442215E+21	4,721252E+21	2,250369E+21	5,242276E+20	5,396724E+18	0,000000E+00	0,000000E+00	5,397184E+18	5,243510E+20
2769	2,250541E+21	4,721379E+21	6,442232E+21	6,442032E+21	4,721029E+21	2,250345E+21	5,242703E+20	5,394039E+18	0,000000E+00	0,000000E+00	5,393097E+18	5,242240E+20
2770	2,250275E+21	4,720904E+21	6,441854E+21	6,442088E+21	4,721334E+21	2,250557E+21	5,243646E+20	5,400315E+18	0,000000E+00	0,000000E+00	5,399292E+18	5,242646E+20
2771	2,250347E+21	4,721069E+21	6,441959E+21	6,441967E+21	4,721013E+21	2,250267E+21	5,242241E+20	5,397246E+18	0,000000E+00	0,000000E+00	5,399365E+18	5,243784E+20
2772	2,250463E+21	4,721022E+21	6,441627E+21	6,441488E+21	4,720796E+21	2,250353E+21	5,243558E+20	5,400485E+18	0,000000E+00	0,000000E+00	5,400531E+18	5,242497E+20
2773	2,250163E+21	4,720592E+21	6,441437E+21	6,441531E+21	4,720855E+21	2,250381E+21	5,243547E+20	5,405095E+18	0,000000E+00	0,000000E+00	5,405945E+18	5,243755E+20
2774	2,250353E+21	4,720771E+21	6,441416E+21	6,441243E+21	4,720360E+21	2,250067E+21	5,242738E+20	5,403047E+18	0,000000E+00	0,000000E+00	5,405350E+18	5,243839E+20
2775	2,250239E+21	4,720391E+21	6,440869E+21	6,440888E+21	4,720428E+21	2,250296E+21	5,244488E+20	5,410359E+18	0,000000E+00	0,000000E+00	5,408346E+18	5,242915E+20
2776	2,250011E+21	4,720126E+21	6,440831E+21	6,440942E+21	4,720396E+21	2,250189E+21	5,243614E+20	5,411118E+18	0,000000E+00	0,000000E+00	5,412508E+18	5,244614E+20
2777	2,250270E+21	4,720305E+21	6,440729E+21	6,440558E+21	4,719944E+21	2,250036E+21	5,243730E+20	5,411034E+18	0,000000E+00	0,000000E+00	5,411113E+18	5,243881E+20
2778	2,250076E+21	4,719886E+21	6,440277E+21	6,440457E+21	4,720200E+21	2,250278E+21	5,244941E+20	5,415389E+18	0,000000E+00	0,000000E+00	5,413111E+18	5,243575E+20
2779	2,250051E+21	4,720056E+21	6,440597E+21	6,440584E+21	4,720037E+21	2,250036E+21	5,243443E+20	5,412522E+18	0,000000E+00	0,000000E+00	5,414791E+18	5,244870E+20
2780	2,250249E+21	4,720208E+21	6,440560E+21	6,440385E+21	4,719905E+21	2,250091E+21	5,244225E+20	5,411957E+18	0,000000E+00	0,000000E+00	5,409703E+18	5,243279E+20
2781	2,249971E+21	4,719899E+21	6,440531E+21	6,440738E+21	4,720324E+21	2,250258E+21	5,244375E+20	5,412639E+18	0,000000E+00	0,000000E+00	5,412117E+18	5,243885E+20
2782	2,250180E+21	4,720306E+21	6,440875E+21	6,440847E+21	4,720157E+21	2,250020E+21	5,242950E+20	5,407974E+18	0,000000E+00	0,000000E+00	5,409127E+18	5,244316E+20
2783	2,250258E+21	4,720343E+21	6,440758E+21	6,440758E+21	4,720367E+21	2,250276E+21	5,244205E+20	5,406898E+18	0,000000E+00	0,000000E+00	5,404858E+18	5,242807E+20
2784	2,250087E+21	4,720338E+21	6,441097E+21	6,441227E+21	4,720653E+21	2,250304E+21	5,243494E+20	5,407086E+18	0,000000E+00	0,000000E+00	5,407601E+18	5,244039E+20
2785	2,250395E+21	4,720812E+21	6,441447E+21	6,441284E+21	4,720419E+21	2,250121E+21	5,242828E+20	5,401686E+18	0,000000E+00	0,000000E+00	5,400778E+18	5,243328E+20
2786	2,250274E+21	4,720609E+21	6,441220E+21	6,441339E+21	4,720796E+21	2,250400E+21	5,244113E+20	5,404355E+18	0,000000E+00	0,000000E+00	5,402306E+18	5,242462E+20
2787	2,250156E+21	4,720674E+21	6,441569E+21	6,441620E+21	4,720826E+21	2,250268E+21	5,242808E+20	5,403444E+18	0,000000E+00	0,000000E+00	5,404301E+18	5,244028E+20
2788	2,250393E+21	4,720838E+21	6,441503E+21	6,441355E+21	4,720551E+21	2,250218E+21	5,243185E+20	5,400764E+18	0,000000E+00	0,000000E+00	5,400819E+18	5,242874E+20
2789	2,250166E+21	4,720447E+21	6,441161E+21	6,441359E+21	4,720806E+21	2,250412E+21	5,244082E+20	5,406804E+18	0,000000E+00	0,000000E+00	5,406627E+18	5,243247E+20
2790	2,250245E+21	4,720630E+21	6,441299E+21	6,441269E+21	4,720487E+21	2,250116E+21	5,242674E+20	5,403834E+18	0,000000E+00	0,000000E+00	5,406288E+18	5,244274E+20
2791	2,250330E+21	4,720537E+21	6,440939E+21	6,440783E+21	4,720277E+21	2,250211E+21	5,244074E+20	5,407769E+18	0,000000E+00	0,000000E+00	5,407370E+18	5,242953E+20
2792	2,250022E+21	4,720098E+21	6,440757E+21	6,440874E+21	4,720387E+21	2,250266E+21	5,244214E+20	5,413169E+18	0,000000E+00	0,000000E+00	5,412650E+18	5,244132E+20
2793	2,250178E+21	4,720220E+21	6,440729E+21	6,440619E+21	4,719906E+21	2,249952E+21	5,243388E+20	5,411298E+18	0,000000E+00	0,000000E+00	5,412824E+18	5,244421E+20
2794	2,250105E+21	4,719827E+21	6,440062E+21	6,440126E+21	4,719919E+21	2,250171E+21	5,245070E+20	5,418137E+18	0,000000E+00	0,000000E+00	5,416063E+18	5,243530E+20
2795	2,249893E+21	4,719629E+21	6,440101E+21	6,440188E+21	4,719856E+21	2,250063E+21	5,244190E+20	5,418300E+18	0,000000E+00	0,000000E+00	5,420612E+18	5,245255E+20
2796	2,250155E+21	4,719828E+21	6,440037E+21	6,439846E+21	4,719407E+21	2,249881E+21	5,244186E+20	5,417867E+18	0,000000E+00	0,000000E+00	5,418503E+18	5,244415E+20

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	2,249958E+21	4,719481E+21	6,439698E+21	6,439813E+21	4,719697E+21	2,250125E+21	5,245316E+20	5,421446E+18	0,000000E+00	0,000000E+00	5,419607E+18	5,244005E+20
2798	2,249916E+21	4,719613E+21	6,440026E+21	6,440022E+21	4,719603E+21	2,249901E+21	5,243809E+20	5,418538E+18	0,000000E+00	0,000000E+00	5,420796E+18	5,245245E+20
2799	2,250100E+21	4,719710E+21	6,439906E+21	6,439798E+21	4,719514E+21	2,249985E+21	5,244619E+20	5,417675E+18	0,000000E+00	0,000000E+00	5,415496E+18	5,243750E+20
2800	2,249868E+21	4,719466E+21	6,439897E+21	6,440145E+21	4,719947E+21	2,250178E+21	5,244901E+20	5,418774E+18	0,000000E+00	0,000000E+00	5,417695E+18	5,244282E+20
2801	2,250076E+21	4,719910E+21	6,440319E+21	6,440298E+21	4,719766E+21	2,249927E+21	5,243450E+20	5,413916E+18	0,000000E+00	0,000000E+00	5,414504E+18	5,244769E+20
2802	2,250178E+21	4,719976E+21	6,440188E+21	6,440158E+21	4,719941E+21	2,250161E+21	5,244625E+20	5,412742E+18	0,000000E+00	0,000000E+00	5,410291E+18	5,243150E+20
2803	2,249979E+21	4,719982E+21	6,440606E+21	6,440678E+21	4,720221E+21	2,250195E+21	5,243983E+20	5,413226E+18	0,000000E+00	0,000000E+00	5,413677E+18	5,244411E+20
2804	2,250254E+21	4,720367E+21	6,440890E+21	6,440761E+21	4,720013E+21	2,249995E+21	5,243258E+20	5,407927E+18	0,000000E+00	0,000000E+00	5,407176E+18	5,243759E+20
2805	2,250143E+21	4,720181E+21	6,440641E+21	6,440763E+21	4,720380E+21	2,250277E+21	5,244500E+20	5,410501E+18	0,000000E+00	0,000000E+00	5,409183E+18	5,243015E+20
2806	2,250040E+21	4,720208E+21	6,440913E+21	6,440988E+21	4,720385E+21	2,250151E+21	5,243238E+20	5,409620E+18	0,000000E+00	0,000000E+00	5,411167E+18	5,244584E+20
2807	2,250280E+21	4,720361E+21	6,440792E+21	6,440649E+21	4,720070E+21	2,250092E+21	5,243653E+20	5,407206E+18	0,000000E+00	0,000000E+00	5,407902E+18	5,243466E+20
2808	2,250073E+21	4,720020E+21	6,440498E+21	6,440659E+21	4,720311E+21	2,250289E+21	5,244686E+20	5,414260E+18	0,000000E+00	0,000000E+00	5,413247E+18	5,243649E+20
2809	2,250094E+21	4,720143E+21	6,440665E+21	6,440625E+21	4,719993E+21	2,249984E+21	5,243293E+20	5,411619E+18	0,000000E+00	0,000000E+00	5,413253E+18	5,244742E+20
2810	2,250172E+21	4,719982E+21	6,440192E+21	6,440065E+21	4,719761E+21	2,250064E+21	5,244619E+20	5,415775E+18	0,000000E+00	0,000000E+00	5,414853E+18	5,243445E+20
2811	2,249857E+21	4,719535E+21	6,440004E+21	6,440131E+21	4,719855E+21	2,250132E+21	5,244805E+20	5,420923E+18	0,000000E+00	0,000000E+00	5,420955E+18	5,244772E+20
2812	2,250031E+21	4,719643E+21	6,439931E+21	6,439860E+21	4,719372E+21	2,249808E+21	5,243919E+20	5,418844E+18	0,000000E+00	0,000000E+00	5,421192E+18	5,245098E+20
2813	2,250000E+21	4,719377E+21	6,439370E+21	6,439377E+21	4,719372E+21	2,250015E+21	5,245495E+20	5,424782E+18	0,000000E+00	0,000000E+00	5,423574E+18	5,244151E+20
2814	2,249789E+21	4,719196E+21	6,439471E+21	6,439518E+21	4,719351E+21	2,249918E+21	5,244626E+20	5,424718E+18	0,000000E+00	0,000000E+00	5,427311E+18	5,245691E+20
2815	2,250018E+21	4,719363E+21	6,439408E+21	6,439213E+21	4,718949E+21	2,249755E+21	5,244648E+20	5,424309E+18	0,000000E+00	0,000000E+00	5,424681E+18	5,244832E+20
2816	2,249824E+21	4,719022E+21	6,439087E+21	6,439236E+21	4,719298E+21	2,250024E+21	5,245876E+20	5,428266E+18	0,000000E+00	0,000000E+00	5,425304E+18	5,244327E+20
2817	2,249759E+21	4,719117E+21	6,439410E+21	6,439472E+21	4,719232E+21	2,249812E+21	5,244350E+20	5,425256E+18	0,000000E+00	0,000000E+00	5,426826E+18	5,245727E+20
2818	2,249988E+21	4,719232E+21	6,439213E+21	6,439131E+21	4,719081E+21	2,249878E+21	5,245081E+20	5,423919E+18	0,000000E+00	0,000000E+00	5,421541E+18	5,244251E+20
2819	2,249784E+21	4,719087E+21	6,439320E+21	6,439507E+21	4,719477E+21	2,250062E+21	5,245382E+20	5,424804E+18	0,000000E+00	0,000000E+00	5,424191E+18	5,244790E+20
2820	2,249985E+21	4,719536E+21	6,439781E+21	6,439724E+21	4,719325E+21	2,249796E+21	5,243859E+20	5,419839E+18	0,000000E+00	0,000000E+00	5,420478E+18	5,245180E+20
2821	2,250079E+21	4,719651E+21	6,439733E+21	6,439630E+21	4,719516E+21	2,250024E+21	5,244943E+20	5,418255E+18	0,000000E+00	0,000000E+00	5,416176E+18	5,243550E+20
2822	2,249855E+21	4,719575E+21	6,440099E+21	6,440191E+21	4,719849E+21	2,250077E+21	5,244342E+20	5,418928E+18	0,000000E+00	0,000000E+00	5,419539E+18	5,244778E+20
2823	2,250108E+21	4,719880E+21	6,440255E+21	6,440186E+21	4,719642E+21	2,249897E+21	5,243670E+20	5,413703E+18	0,000000E+00	0,000000E+00	5,413475E+18	5,244266E+20
2824	2,250032E+21	4,719717E+21	6,439977E+21	6,440131E+21	4,719978E+21	2,250191E+21	5,245071E+20	5,417180E+18	0,000000E+00	0,000000E+00	5,415461E+18	5,243467E+20
2825	2,249919E+21	4,719744E+21	6,440268E+21	6,440353E+21	4,719947E+21	2,250046E+21	5,243799E+20	5,416386E+18	0,000000E+00	0,000000E+00	5,417541E+18	5,245071E+20
2826	2,250163E+21	4,719885E+21	6,440083E+21	6,439910E+21	4,719556E+21	2,249957E+21	5,244185E+20	5,414452E+18	0,000000E+00	0,000000E+00	5,414635E+18	5,243922E+20
2827	2,249939E+21	4,719555E+21	6,439860E+21	6,439953E+21	4,719764E+21	2,250144E+21	5,245273E+20	5,421817E+18	0,000000E+00	0,000000E+00	5,420662E+18	5,244155E+20
2828	2,249937E+21	4,719601E+21	6,439963E+21	6,439942E+21	4,719479E+21	2,249829E+21	5,243824E+20	5,419311E+18	0,000000E+00	0,000000E+00	5,421145E+18	5,245320E+20
2829	2,250038E+21	4,719489E+21	6,439498E+21	6,439345E+21	4,719237E+21	2,249908E+21	5,245040E+20	5,422974E+18	0,000000E+00	0,000000E+00	5,423012E+18	5,244146E+20
2830	2,249747E+21	4,719040E+21	6,439292E+21	6,439413E+21	4,719340E+21	2,249986E+21	5,245259E+20	5,427754E+18	0,000000E+00	0,000000E+00	5,428708E+18	5,245394E+20
2831	2,249917E+21	4,719155E+21	6,439209E+21	6,439124E+21	4,718866E+21	2,249672E+21	5,244406E+20	5,425777E+18	0,000000E+00	0,000000E+00	5,428704E+18	5,245676E+20
2832	2,249890E+21	4,718928E+21	6,438731E+21	6,438715E+21	4,718898E+21	2,249898E+21	5,246104E+20	5,432199E+18	0,000000E+00	0,000000E+00	5,429926E+18	5,244510E+20

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												
2833	2,249625E+21	4,718693E+21	6,438857E+21	6,438933E+21	4,718916E+21	2,249807E+21	5,245243E+20	5,432196E+18	0,000000E+00	0,000000E+00	5,433568E+18	5,246044E+20
2834	2,249844E+21	4,718799E+21	6,438683E+21	6,438544E+21	4,718501E+21	2,249641E+21	5,245202E+20	5,431694E+18	0,000000E+00	0,000000E+00	5,431070E+18	5,245252E+20
2835	2,249672E+21	4,718502E+21	6,438398E+21	6,438548E+21	4,718819E+21	2,249913E+21	5,246423E+20	5,435043E+18	0,000000E+00	0,000000E+00	5,432294E+18	5,244879E+20
2836	2,249639E+21	4,718620E+21	6,438712E+21	6,438793E+21	4,718765E+21	2,249689E+21	5,244813E+20	5,431657E+18	0,000000E+00	0,000000E+00	5,433566E+18	5,246285E+20
2837	2,249917E+21	4,718890E+21	6,438657E+21	6,438497E+21	4,718609E+21	2,249735E+21	5,245363E+20	5,429227E+18	0,000000E+00	0,000000E+00	5,427689E+18	5,244786E+20
2838	2,249716E+21	4,718767E+21	6,438842E+21	6,438969E+21	4,719052E+21	2,249929E+21	5,245690E+20	5,430052E+18	0,000000E+00	0,000000E+00	5,429764E+18	5,245157E+20
2839	2,249878E+21	4,719162E+21	6,439287E+21	6,439225E+21	4,718959E+21	2,249688E+21	5,244227E+20	5,425251E+18	0,000000E+00	0,000000E+00	5,425854E+18	5,245553E+20
2840	2,249965E+21	4,719250E+21	6,439233E+21	6,439168E+21	4,719186E+21	2,249934E+21	5,245420E+20	5,424386E+18	0,000000E+00	0,000000E+00	5,421649E+18	5,243895E+20
2841	2,249715E+21	4,719104E+21	6,439512E+21	6,439672E+21	4,719509E+21	2,250001E+21	5,244862E+20	5,425238E+18	0,000000E+00	0,000000E+00	5,425542E+18	5,245233E+20
2842	2,249985E+21	4,719387E+21	6,439547E+21	6,439497E+21	4,719200E+21	2,249797E+21	5,244164E+20	5,420096E+18	0,000000E+00	0,000000E+00	5,419971E+18	5,244787E+20
2843	2,249934E+21	4,719296E+21	6,439340E+21	6,439407E+21	4,719445E+21	2,250061E+21	5,245600E+20	5,423954E+18	0,000000E+00	0,000000E+00	5,422654E+18	5,244004E+20
2844	2,249803E+21	4,719285E+21	6,439617E+21	6,439661E+21	4,719430E+21	2,249899E+21	5,244301E+20	5,423379E+18	0,000000E+00	0,000000E+00	5,424514E+18	5,245536E+20
2845	2,250040E+21	4,719461E+21	6,439484E+21	6,439247E+21	4,719032E+21	2,249789E+21	5,244570E+20	5,421383E+18	0,000000E+00	0,000000E+00	5,421952E+18	5,244459E+20
2846	2,249800E+21	4,719056E+21	6,439212E+21	6,439318E+21	4,719276E+21	2,249987E+21	5,245681E+20	5,428766E+18	0,000000E+00	0,000000E+00	5,427951E+18	5,244685E+20
2847	2,249788E+21	4,719049E+21	6,439224E+21	6,439240E+21	4,719007E+21	2,249704E+21	5,244314E+20	5,426288E+18	0,000000E+00	0,000000E+00	5,428861E+18	5,245950E+20
2848	2,249922E+21	4,718975E+21	6,438785E+21	6,438651E+21	4,718757E+21	2,249793E+21	5,245649E+20	5,430599E+18	0,000000E+00	0,000000E+00	5,430208E+18	5,244678E+20
2849	2,249616E+21	4,718541E+21	6,438607E+21	6,438740E+21	4,718873E+21	2,249875E+21	5,245880E+20	5,435220E+18	0,000000E+00	0,000000E+00	5,435540E+18	5,245840E+20
2850	2,249769E+21	4,718630E+21	6,438478E+21	6,438380E+21	4,718360E+21	2,249554E+21	5,245033E+20	5,433673E+18	0,000000E+00	0,000000E+00	5,435607E+18	5,246088E+20
2851	2,249733E+21	4,718417E+21	6,438068E+21	6,438014E+21	4,718374E+21	2,249773E+21	5,246742E+20	5,439944E+18	0,000000E+00	0,000000E+00	5,437034E+18	5,244976E+20
2852	2,249459E+21	4,718122E+21	6,438127E+21	6,438263E+21	4,718445E+21	2,249677E+21	5,245789E+20	5,439672E+18	0,000000E+00	0,000000E+00	5,440800E+18	5,246563E+20
2853	2,249721E+21	4,718323E+21	6,437990E+21	6,437842E+21	4,718008E+21	2,249499E+21	5,245571E+20	5,438033E+18	0,000000E+00	0,000000E+00	5,438293E+18	5,245935E+20
2854	2,249595E+21	4,718086E+21	6,437771E+21	6,437893E+21	4,718332E+21	2,249765E+21	5,246736E+20	5,440554E+18	0,000000E+00	0,000000E+00	5,438949E+18	5,245471E+20
2855	2,249572E+21	4,718259E+21	6,438141E+21	6,438168E+21	4,718309E+21	2,249560E+21	5,245160E+20	5,437144E+18	0,000000E+00	0,000000E+00	5,439717E+18	5,246788E+20
2856	2,249843E+21	4,718559E+21	6,438199E+21	6,438006E+21	4,718221E+21	2,249626E+21	5,245795E+20	5,435066E+18	0,000000E+00	0,000000E+00	5,432828E+18	5,245073E+20
2857	2,249589E+21	4,718382E+21	6,438387E+21	6,438542E+21	4,718725E+21	2,249838E+21	5,246144E+20	5,436027E+18	0,000000E+00	0,000000E+00	5,434875E+18	5,245401E+20
2858	2,249720E+21	4,718674E+21	6,438669E+21	6,438672E+21	4,718604E+21	2,249608E+21	5,244711E+20	5,431582E+18	0,000000E+00	0,000000E+00	5,431327E+18	5,245883E+20
2859	2,249823E+21	4,718775E+21	6,438610E+21	6,438552E+21	4,718764E+21	2,249849E+21	5,245953E+20	5,430659E+18	0,000000E+00	0,000000E+00	5,428122E+18	5,244388E+20
2860	2,249596E+21	4,718612E+21	6,438823E+21	6,439015E+21	4,719062E+21	2,249892E+21	5,245363E+20	5,431619E+18	0,000000E+00	0,000000E+00	5,431973E+18	5,245710E+20
2861	2,249894E+21	4,719004E+21	6,438940E+21	6,438817E+21	4,718696E+21	2,249653E+21	5,244518E+20	5,425980E+18	0,000000E+00	0,000000E+00	5,426619E+18	5,245342E+20
2862	2,249844E+21	4,718911E+21	6,438782E+21	6,438784E+21	4,718943E+21	2,249903E+21	5,245953E+20	5,430093E+18	0,000000E+00	0,000000E+00	5,429213E+18	5,244460E+20
2863	2,249680E+21	4,718839E+21	6,439009E+21	6,439037E+21	4,718959E+21	2,249761E+21	5,244740E+20	5,429897E+18	0,000000E+00	0,000000E+00	5,431286E+18	5,246034E+20
2864	2,249910E+21	4,718970E+21	6,438861E+21	6,438670E+21	4,718606E+21	2,249669E+21	5,245098E+20	5,428842E+18	0,000000E+00	0,000000E+00	5,428950E+18	5,244954E+20
2865	2,249658E+21	4,718527E+21	6,438519E+21	6,438685E+21	4,718846E+21	2,249883E+21	5,246245E+20	5,436187E+18	0,000000E+00	0,000000E+00	5,435187E+18	5,245231E+20
2866	2,249650E+21	4,718495E+21	6,438428E+21	6,438460E+21	4,718496E+21	2,249594E+21	5,244948E+20	5,434136E+18	0,000000E+00	0,000000E+00	5,436536E+18	5,246519E+20
2867	2,249798E+21	4,718485E+21	6,438082E+21	6,437879E+21	4,718187E+21	2,249663E+21	5,246306E+20	5,438677E+18	0,000000E+00	0,000000E+00	5,438116E+18	5,245248E+20
2868	2,249471E+21	4,718001E+21	6,437876E+21	6,438010E+21	4,718337E+21	2,249736E+21	5,246497E+20	5,443117E+18	0,000000E+00	0,000000E+00	5,442978E+18	5,246294E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2869	2,249617E+21	4,718132E+21	6,437792E+21	6,437667E+21	4,717818E+21	2,249394E+21	5,245482E+20	5,440974E+18	0,000000E+00	0,000000E+00	5,443332E+18	5,246672E+20
2870	2,249591E+21	4,717889E+21	6,437365E+21	6,437329E+21	4,717860E+21	2,249614E+21	5,247119E+20	5,446499E+18	0,000000E+00	0,000000E+00	5,444240E+18	5,245561E+20
2871	2,249337E+21	4,717606E+21	6,437388E+21	6,437547E+21	4,717956E+21	2,249548E+21	5,246199E+20	5,445825E+18	0,000000E+00	0,000000E+00	5,447907E+18	5,247187E+20
2872	2,249639E+21	4,717893E+21	6,437365E+21	6,437227E+21	4,717558E+21	2,249378E+21	5,246011E+20	5,444291E+18	0,000000E+00	0,000000E+00	5,444378E+18	5,246421E+20
2873	2,249509E+21	4,717713E+21	6,437233E+21	6,437343E+21	4,717927E+21	2,249654E+21	5,247160E+20	5,446350E+18	0,000000E+00	0,000000E+00	5,444295E+18	5,245807E+20
2874	2,249455E+21	4,717860E+21	6,437590E+21	6,437597E+21	4,717907E+21	2,249470E+21	5,245682E+20	5,443525E+18	0,000000E+00	0,000000E+00	5,444920E+18	5,247060E+20
2875	2,249709E+21	4,718160E+21	6,437707E+21	6,437493E+21	4,717819E+21	2,249533E+21	5,246325E+20	5,441405E+18	0,000000E+00	0,000000E+00	5,438466E+18	5,245408E+20
2876	2,249440E+21	4,717897E+21	6,437781E+21	6,438014E+21	4,718367E+21	2,249750E+21	5,246641E+20	5,442402E+18	0,000000E+00	0,000000E+00	5,440813E+18	5,245768E+20
2877	2,249601E+21	4,718247E+21	6,438048E+21	6,438057E+21	4,718183E+21	2,249498E+21	5,245065E+20	5,437219E+18	0,000000E+00	0,000000E+00	5,437846E+18	5,246453E+20
2878	2,249739E+21	4,718372E+21	6,438004E+21	6,437928E+21	4,718292E+21	2,249709E+21	5,246263E+20	5,435957E+18	0,000000E+00	0,000000E+00	5,434634E+18	5,244946E+20
2879	2,249520E+21	4,718231E+21	6,438219E+21	6,438370E+21	4,718587E+21	2,249761E+21	5,245736E+20	5,437271E+18	0,000000E+00	0,000000E+00	5,438310E+18	5,246208E+20
2880	2,249799E+21	4,718613E+21	6,438413E+21	6,438275E+21	4,718259E+21	2,249527E+21	5,244983E+20	5,432494E+18	0,000000E+00	0,000000E+00	5,432631E+18	5,245728E+20
2881	2,249710E+21	4,718464E+21	6,438221E+21	6,438257E+21	4,718537E+21	2,249783E+21	5,246417E+20	5,436931E+18	0,000000E+00	0,000000E+00	5,435511E+18	5,244832E+20
2882	2,249515E+21	4,718293E+21	6,438289E+21	6,438369E+21	4,718512E+21	2,249660E+21	5,245330E+20	5,437372E+18	0,000000E+00	0,000000E+00	5,438189E+18	5,246512E+20
2883	2,249766E+21	4,718440E+21	6,438139E+21	6,437949E+21	4,718100E+21	2,249561E+21	5,245727E+20	5,436622E+18	0,000000E+00	0,000000E+00	5,436859E+18	5,245560E+20
2884	2,249527E+21	4,717983E+21	6,437745E+21	6,437938E+21	4,718332E+21	2,249761E+21	5,246849E+20	5,443799E+18	0,000000E+00	0,000000E+00	5,442698E+18	5,245765E+20
2885	2,249536E+21	4,718038E+21	6,437717E+21	6,437690E+21	4,717933E+21	2,249444E+21	5,245438E+20	5,441356E+18	0,000000E+00	0,000000E+00	5,444411E+18	5,247120E+20
2886	2,249677E+21	4,718010E+21	6,437421E+21	6,437186E+21	4,717633E+21	2,249498E+21	5,246765E+20	5,445765E+18	0,000000E+00	0,000000E+00	5,445604E+18	5,245802E+20
2887	2,249334E+21	4,717488E+21	6,437168E+21	6,437314E+21	4,717820E+21	2,249587E+21	5,246974E+20	5,450132E+18	0,000000E+00	0,000000E+00	5,450382E+18	5,246847E+20
2888	2,249476E+21	4,717597E+21	6,437102E+21	6,437034E+21	4,717354E+21	2,249267E+21	5,246000E+20	5,448344E+18	0,000000E+00	0,000000E+00	5,450458E+18	5,247223E+20
2889	2,249468E+21	4,717392E+21	6,436676E+21	6,436680E+21	4,717408E+21	2,249494E+21	5,247568E+20	5,453068E+18	0,000000E+00	0,000000E+00	5,450847E+18	5,246073E+20
2890	2,249224E+21	4,717135E+21	6,436679E+21	6,436818E+21	4,717459E+21	2,249435E+21	5,246752E+20	5,452762E+18	0,000000E+00	0,000000E+00	5,454378E+18	5,247645E+20
2891	2,249538E+21	4,717503E+21	6,436798E+21	6,436594E+21	4,717080E+21	2,249266E+21	5,246566E+20	5,451213E+18	0,000000E+00	0,000000E+00	5,450600E+18	5,246809E+20
2892	2,249379E+21	4,717283E+21	6,436675E+21	6,436803E+21	4,717520E+21	2,249546E+21	5,247682E+20	5,453029E+18	0,000000E+00	0,000000E+00	5,450002E+18	5,246083E+20
2893	2,249317E+21	4,717446E+21	6,437037E+21	6,437051E+21	4,717498E+21	2,249355E+21	5,246085E+20	5,449685E+18	0,000000E+00	0,000000E+00	5,451140E+18	5,247478E+20
2894	2,249574E+21	4,717701E+21	6,437122E+21	6,436960E+21	4,717420E+21	2,249413E+21	5,246645E+20	5,446680E+18	0,000000E+00	0,000000E+00	5,444656E+18	5,245914E+20
2895	2,249334E+21	4,717445E+21	6,437117E+21	6,437388E+21	4,717945E+21	2,249643E+21	5,246995E+20	5,447556E+18	0,000000E+00	0,000000E+00	5,447115E+18	5,246307E+20
2896	2,249514E+21	4,717839E+21	6,437466E+21	6,437495E+21	4,717769E+21	2,249387E+21	5,245466E+20	5,442733E+18	0,000000E+00	0,000000E+00	5,443542E+18	5,246908E+20
2897	2,249653E+21	4,718010E+21	6,437467E+21	6,437377E+21	4,717881E+21	2,249592E+21	5,246637E+20	5,441530E+18	0,000000E+00	0,000000E+00	5,440152E+18	5,245300E+20
2898	2,249400E+21	4,717816E+21	6,437628E+21	6,437753E+21	4,718138E+21	2,249655E+21	5,246286E+20	5,444000E+18	0,000000E+00	0,000000E+00	5,444059E+18	5,246562E+20
2899	2,249666E+21	4,718178E+21	6,437840E+21	6,437690E+21	4,717815E+21	2,249417E+21	5,245555E+20	5,439747E+18	0,000000E+00	0,000000E+00	5,439373E+18	5,246196E+20
2900	2,249565E+21	4,717942E+21	6,437530E+21	6,437634E+21	4,718107E+21	2,249673E+21	5,246958E+20	5,444258E+18	0,000000E+00	0,000000E+00	5,442667E+18	5,245361E+20
2901	2,249401E+21	4,717822E+21	6,437575E+21	6,437641E+21	4,717996E+21	2,249527E+21	5,245794E+20	5,444153E+18	0,000000E+00	0,000000E+00	5,446167E+18	5,247204E+20
2902	2,249671E+21	4,717986E+21	6,437452E+21	6,437231E+21	4,717542E+21	2,249396E+21	5,246143E+20	5,443306E+18	0,000000E+00	0,000000E+00	5,444902E+18	5,246228E+20
2903	2,249427E+21	4,717528E+21	6,437044E+21	6,437196E+21	4,717785E+21	2,249612E+21	5,247329E+20	5,450699E+18	0,000000E+00	0,000000E+00	5,450287E+18	5,246312E+20
2904	2,249396E+21	4,717542E+21	6,437084E+21	6,437071E+21	4,717437E+21	2,249304E+21	5,245994E+20	5,448982E+18	0,000000E+00	0,000000E+00	5,451579E+18	5,247555E+20

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												
2905	2,249510E+21	4,717468E+21	6,436728E+21	6,436555E+21	4,717168E+21	2,249364E+21	5,247284E+20	5,453316E+18	0,000000E+00	0,000000E+00	5,452462E+18	5,246217E+20
2906	2,249155E+21	4,716889E+21	6,436359E+21	6,436555E+21	4,717321E+21	2,249478E+21	5,247615E+20	5,457904E+18	0,000000E+00	0,000000E+00	5,457372E+18	5,247334E+20
2907	2,249333E+21	4,717064E+21	6,436354E+21	6,436282E+21	4,716836E+21	2,249155E+21	5,246636E+20	5,456150E+18	0,000000E+00	0,000000E+00	5,457788E+18	5,247777E+20
2908	2,249346E+21	4,716897E+21	6,435962E+21	6,435981E+21	4,716921E+21	2,249371E+21	5,248103E+20	5,460132E+18	0,000000E+00	0,000000E+00	5,457367E+18	5,246529E+20
2909	2,249126E+21	4,716752E+21	6,436080E+21	6,436153E+21	4,716959E+21	2,249299E+21	5,247196E+20	5,459262E+18	0,000000E+00	0,000000E+00	5,461155E+18	5,248129E+20
2910	2,249428E+21	4,717107E+21	6,436270E+21	6,436051E+21	4,716633E+21	2,249123E+21	5,246935E+20	5,457123E+18	0,000000E+00	0,000000E+00	5,456855E+18	5,247260E+20
2911	2,249259E+21	4,716857E+21	6,436099E+21	6,436264E+21	4,717127E+21	2,249430E+21	5,248048E+20	5,458617E+18	0,000000E+00	0,000000E+00	5,456171E+18	5,246533E+20
2912	2,249189E+21	4,716989E+21	6,436471E+21	6,436559E+21	4,717146E+21	2,249263E+21	5,246502E+20	5,455495E+18	0,000000E+00	0,000000E+00	5,457055E+18	5,247933E+20
2913	2,249469E+21	4,717280E+21	6,436528E+21	6,436407E+21	4,717047E+21	2,249314E+21	5,247006E+20	5,451823E+18	0,000000E+00	0,000000E+00	5,450254E+18	5,246358E+20
2914	2,249239E+21	4,717044E+21	6,436486E+21	6,436722E+21	4,717496E+21	2,249543E+21	5,247492E+20	5,453548E+18	0,000000E+00	0,000000E+00	5,452846E+18	5,246727E+20
2915	2,249422E+21	4,717483E+21	6,436929E+21	6,436891E+21	4,717323E+21	2,249282E+21	5,245997E+20	5,449216E+18	0,000000E+00	0,000000E+00	5,449478E+18	5,247297E+20
2916	2,249529E+21	4,717595E+21	6,436914E+21	6,436831E+21	4,717470E+21	2,249475E+21	5,247117E+20	5,448187E+18	0,000000E+00	0,000000E+00	5,446159E+18	5,245652E+20
2917	2,249275E+21	4,717396E+21	6,437039E+21	6,437150E+21	4,717682E+21	2,249521E+21	5,246717E+20	5,450621E+18	0,000000E+00	0,000000E+00	5,450948E+18	5,247076E+20
2918	2,249538E+21	4,717703E+21	6,437203E+21	6,437085E+21	4,717362E+21	2,249279E+21	5,245940E+20	5,445944E+18	0,000000E+00	0,000000E+00	5,446741E+18	5,246814E+20
2919	2,249459E+21	4,717468E+21	6,436824E+21	6,436938E+21	4,717617E+21	2,249541E+21	5,247384E+20	5,450612E+18	0,000000E+00	0,000000E+00	5,450112E+18	5,245973E+20
2920	2,249288E+21	4,717352E+21	6,436926E+21	6,436998E+21	4,717514E+21	2,249401E+21	5,246321E+20	5,451052E+18	0,000000E+00	0,000000E+00	5,453128E+18	5,247690E+20
2921	2,249545E+21	4,717529E+21	6,436813E+21	6,436587E+21	4,717071E+21	2,249267E+21	5,246656E+20	5,450396E+18	0,000000E+00	0,000000E+00	5,451665E+18	5,246623E+20
2922	2,249262E+21	4,717002E+21	6,436321E+21	6,436462E+21	4,717268E+21	2,249493E+21	5,248014E+20	5,458776E+18	0,000000E+00	0,000000E+00	5,457087E+18	5,246715E+20
2923	2,249221E+21	4,716982E+21	6,436354E+21	6,436364E+21	4,716945E+21	2,249187E+21	5,246690E+20	5,457517E+18	0,000000E+00	0,000000E+00	5,459180E+18	5,248053E+20
2924	2,249339E+21	4,716864E+21	6,435925E+21	6,435825E+21	4,716682E+21	2,249242E+21	5,247882E+20	5,461340E+18	0,000000E+00	0,000000E+00	5,459957E+18	5,246795E+20
2925	2,249039E+21	4,716386E+21	6,435584E+21	6,435748E+21	4,716745E+21	2,249322E+21	5,248107E+20	5,465014E+18	0,000000E+00	0,000000E+00	5,465364E+18	5,248033E+20
2926	2,249244E+21	4,716625E+21	6,435688E+21	6,435566E+21	4,716283E+21	2,248985E+21	5,247030E+20	5,462634E+18	0,000000E+00	0,000000E+00	5,465409E+18	5,248423E+20
2927	2,249258E+21	4,716496E+21	6,435355E+21	6,435320E+21	4,716417E+21	2,249221E+21	5,248475E+20	5,466151E+18	0,000000E+00	0,000000E+00	5,464192E+18	5,247042E+20
2928	2,249003E+21	4,716328E+21	6,435566E+21	6,435650E+21	4,716545E+21	2,249175E+21	5,247651E+20	5,465609E+18	0,000000E+00	0,000000E+00	5,467344E+18	5,248514E+20
2929	2,249289E+21	4,716656E+21	6,435705E+21	6,435553E+21	4,716284E+21	2,249019E+21	5,247319E+20	5,462879E+18	0,000000E+00	0,000000E+00	5,462399E+18	5,247604E+20
2930	2,249109E+21	4,716361E+21	6,435426E+21	6,435631E+21	4,716733E+21	2,249350E+21	5,248567E+20	5,464617E+18	0,000000E+00	0,000000E+00	5,461820E+18	5,246945E+20
2931	2,249072E+21	4,716544E+21	6,435836E+21	6,435928E+21	4,716737E+21	2,249178E+21	5,247038E+20	5,461731E+18	0,000000E+00	0,000000E+00	5,462924E+18	5,248354E+20
2932	2,249362E+21	4,716860E+21	6,435917E+21	6,435801E+21	4,716638E+21	2,249211E+21	5,247466E+20	5,457756E+18	0,000000E+00	0,000000E+00	5,455663E+18	5,246750E+20
2933	2,249159E+21	4,716712E+21	6,435955E+21	6,436103E+21	4,717022E+21	2,249409E+21	5,247902E+20	5,459497E+18	0,000000E+00	0,000000E+00	5,458962E+18	5,247182E+20
2934	2,249323E+21	4,717120E+21	6,436441E+21	6,436362E+21	4,716881E+21	2,249136E+21	5,246367E+20	5,455002E+18	0,000000E+00	0,000000E+00	5,455740E+18	5,247785E+20
2935	2,249419E+21	4,717179E+21	6,436346E+21	6,436273E+21	4,717058E+21	2,249347E+21	5,247465E+20	5,454119E+18	0,000000E+00	0,000000E+00	5,452894E+18	5,246179E+20
2936	2,249153E+21	4,716938E+21	6,436460E+21	6,436615E+21	4,717290E+21	2,249410E+21	5,247159E+20	5,456952E+18	0,000000E+00	0,000000E+00	5,457669E+18	5,247597E+20
2937	2,249429E+21	4,717251E+21	6,436558E+21	6,436466E+21	4,716937E+21	2,249161E+21	5,246370E+20	5,452170E+18	0,000000E+00	0,000000E+00	5,453401E+18	5,247283E+20
2938	2,249333E+21	4,716996E+21	6,436125E+21	6,436204E+21	4,717117E+21	2,249430E+21	5,248011E+20	5,457994E+18	0,000000E+00	0,000000E+00	5,456829E+18	5,246419E+20
2939	2,249147E+21	4,716870E+21	6,436265E+21	6,436306E+21	4,717024E+21	2,249289E+21	5,247025E+20	5,459228E+18	0,000000E+00	0,000000E+00	5,460163E+18	5,248070E+20
2940	2,249362E+21	4,716965E+21	6,436095E+21	6,435910E+21	4,716596E+21	2,249144E+21	5,247308E+20	5,458756E+18	0,000000E+00	0,000000E+00	5,458957E+18	5,247078E+20

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												
2941	2,249103E+21	4,716448E+21	6,435551E+21	6,435687E+21	4,716715E+21	2,249340E+21	5,248559E+20	5,466571E+18	0,000000E+00	0,000000E+00	5,465095E+18	5,247355E+20
2942	2,249080E+21	4,716418E+21	6,435572E+21	6,435593E+21	4,716387E+21	2,249023E+21	5,247145E+20	5,464557E+18	0,000000E+00	0,000000E+00	5,467549E+18	5,248793E+20
2943	2,249237E+21	4,716358E+21	6,435154E+21	6,435035E+21	4,716119E+21	2,249080E+21	5,248264E+20	5,467943E+18	0,000000E+00	0,000000E+00	5,467873E+18	5,247485E+20
2944	2,248942E+21	4,715945E+21	6,434963E+21	6,435096E+21	4,716238E+21	2,249171E+21	5,248546E+20	5,471608E+18	0,000000E+00	0,000000E+00	5,472346E+18	5,248556E+20
2945	2,249140E+21	4,716221E+21	6,435122E+21	6,434982E+21	4,715847E+21	2,248858E+21	5,247470E+20	5,469142E+18	0,000000E+00	0,000000E+00	5,471554E+18	5,248779E+20
2946	2,249112E+21	4,716041E+21	6,434763E+21	6,434718E+21	4,715990E+21	2,249121E+21	5,249063E+20	5,473079E+18	0,000000E+00	0,000000E+00	5,469992E+18	5,247393E+20
2947	2,248852E+21	4,715847E+21	6,434958E+21	6,435086E+21	4,716175E+21	2,249098E+21	5,248274E+20	5,472853E+18	0,000000E+00	0,000000E+00	5,473491E+18	5,248871E+20
2948	2,249136E+21	4,716143E+21	6,435035E+21	6,434958E+21	4,715917E+21	2,248939E+21	5,247843E+20	5,469374E+18	0,000000E+00	0,000000E+00	5,468351E+18	5,248067E+20
2949	2,249019E+21	4,715950E+21	6,434778E+21	6,434926E+21	4,716241E+21	2,249222E+21	5,248983E+20	5,470471E+18	0,000000E+00	0,000000E+00	5,468342E+18	5,247505E+20
2950	2,248998E+21	4,716176E+21	6,435277E+21	6,435310E+21	4,716265E+21	2,249033E+21	5,247379E+20	5,467186E+18	0,000000E+00	0,000000E+00	5,469145E+18	5,248871E+20
2951	2,249281E+21	4,716509E+21	6,435402E+21	6,435234E+21	4,716194E+21	2,249069E+21	5,247763E+20	5,463082E+18	0,000000E+00	0,000000E+00	5,461634E+18	5,247191E+20
2952	2,249042E+21	4,716324E+21	6,435499E+21	6,435644E+21	4,716632E+21	2,249279E+21	5,248290E+20	5,465470E+18	0,000000E+00	0,000000E+00	5,464805E+18	5,247570E+20
2953	2,249196E+21	4,716688E+21	6,435899E+21	6,435868E+21	4,716537E+21	2,249034E+21	5,246750E+20	5,460718E+18	0,000000E+00	0,000000E+00	5,461322E+18	5,248146E+20
2954	2,249277E+21	4,716691E+21	6,435688E+21	6,435631E+21	4,716642E+21	2,249259E+21	5,248006E+20	5,460673E+18	0,000000E+00	0,000000E+00	5,459123E+18	5,246642E+20
2955	2,249032E+21	4,716468E+21	6,435790E+21	6,435950E+21	4,716861E+21	2,249321E+21	5,247778E+20	5,464041E+18	0,000000E+00	0,000000E+00	5,464100E+18	5,248002E+20
2956	2,249290E+21	4,716764E+21	6,435879E+21	6,435796E+21	4,716495E+21	2,249057E+21	5,246950E+20	5,459327E+18	0,000000E+00	0,000000E+00	5,460107E+18	5,247733E+20
2957	2,249213E+21	4,716539E+21	6,435455E+21	6,435457E+21	4,716563E+21	2,249283E+21	5,248559E+20	5,465439E+18	0,000000E+00	0,000000E+00	5,464276E+18	5,246977E+20
2958	2,249009E+21	4,716360E+21	6,435590E+21	6,435621E+21	4,716494E+21	2,249126E+21	5,247513E+20	5,466379E+18	0,000000E+00	0,000000E+00	5,468020E+18	5,248687E+20
2959	2,249224E+21	4,716420E+21	6,435345E+21	6,435177E+21	4,716070E+21	2,248986E+21	5,247729E+20	5,465907E+18	0,000000E+00	0,000000E+00	5,467203E+18	5,247783E+20
2960	2,248976E+21	4,715920E+21	6,434846E+21	6,434980E+21	4,716185E+21	2,249184E+21	5,249006E+20	5,473636E+18	0,000000E+00	0,000000E+00	5,472997E+18	5,248046E+20
2961	2,248986E+21	4,715953E+21	6,434874E+21	6,434869E+21	4,715868E+21	2,248875E+21	5,247577E+20	5,471294E+18	0,000000E+00	0,000000E+00	5,474845E+18	5,249339E+20
2962	2,249125E+21	4,715905E+21	6,434485E+21	6,434301E+21	4,715592E+21	2,248949E+21	5,248832E+20	5,475291E+18	0,000000E+00	0,000000E+00	5,474616E+18	5,247948E+20
2963	2,248814E+21	4,715500E+21	6,434362E+21	6,434476E+21	4,715794E+21	2,249064E+21	5,249201E+20	5,479454E+18	0,000000E+00	0,000000E+00	5,478832E+18	5,248860E+20
2964	2,248964E+21	4,715700E+21	6,434484E+21	6,434407E+21	4,715464E+21	2,248768E+21	5,248097E+20	5,476901E+18	0,000000E+00	0,000000E+00	5,477894E+18	5,249138E+20
2965	2,248958E+21	4,715524E+21	6,434083E+21	6,434055E+21	4,715534E+21	2,249008E+21	5,249582E+20	5,479946E+18	0,000000E+00	0,000000E+00	5,476759E+18	5,247921E+20
2966	2,248723E+21	4,715340E+21	6,434279E+21	6,434434E+21	4,715713E+21	2,248971E+21	5,248698E+20	5,478886E+18	0,000000E+00	0,000000E+00	5,480366E+18	5,249435E+20
2967	2,249037E+21	4,715695E+21	6,434368E+21	6,434280E+21	4,715443E+21	2,248808E+21	5,248170E+20	5,474784E+18	0,000000E+00	0,000000E+00	5,474709E+18	5,248613E+20
2968	2,248932E+21	4,715588E+21	6,434273E+21	6,434367E+21	4,715796E+21	2,249086E+21	5,249306E+20	5,475776E+18	0,000000E+00	0,000000E+00	5,474094E+18	5,247943E+20
2969	2,248916E+21	4,715842E+21	6,434801E+21	6,434797E+21	4,715875E+21	2,248916E+21	5,247726E+20	5,472607E+18	0,000000E+00	0,000000E+00	5,474174E+18	5,249162E+20
2970	2,249157E+21	4,716110E+21	6,434888E+21	6,434714E+21	4,715816E+21	2,248973E+21	5,248239E+20	5,469232E+18	0,000000E+00	0,000000E+00	5,466911E+18	5,247540E+20
2971	2,248917E+21	4,715892E+21	6,434940E+21	6,435137E+21	4,716302E+21	2,249203E+21	5,248836E+20	5,472295E+18	0,000000E+00	0,000000E+00	5,470698E+18	5,247922E+20
2972	2,249057E+21	4,716204E+21	6,435256E+21	6,435285E+21	4,716181E+21	2,248962E+21	5,247290E+20	5,467272E+18	0,000000E+00	0,000000E+00	5,467512E+18	5,248624E+20
2973	2,249184E+21	4,716265E+21	6,435036E+21	6,434917E+21	4,716131E+21	2,249128E+21	5,248474E+20	5,467120E+18	0,000000E+00	0,000000E+00	5,466243E+18	5,247248E+20
2974	2,248939E+21	4,716043E+21	6,435168E+21	6,435275E+21	4,716341E+21	2,249170E+21	5,248217E+20	5,470430E+18	0,000000E+00	0,000000E+00	5,471385E+18	5,248543E+20
2975	2,249169E+21	4,716306E+21	6,435240E+21	6,435121E+21	4,715982E+21	2,248907E+21	5,247365E+20	5,466030E+18	0,000000E+00	0,000000E+00	5,467583E+18	5,248277E+20
2976	2,249066E+21	4,716044E+21	6,434846E+21	6,434839E+21	4,716065E+21	2,249127E+21	5,249005E+20	5,472626E+18	0,000000E+00	0,000000E+00	5,471725E+18	5,247533E+20

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	2,248874E+21	4,715834E+21	6,434878E+21	6,434944E+21	4,716022E+21	2,248992E+21	5,247963E+20	5,473283E+18	0,000000E+00	0,000000E+00	5,475129E+18	5,249192E+20
2978	2,249079E+21	4,715866E+21	6,434572E+21	6,434408E+21	4,715546E+21	2,248862E+21	5,248307E+20	5,473507E+18	0,000000E+00	0,000000E+00	5,474496E+18	5,248361E+20
2979	2,248860E+21	4,715421E+21	6,434115E+21	6,434249E+21	4,715689E+21	2,249064E+21	5,249636E+20	5,481561E+18	0,000000E+00	0,000000E+00	5,479946E+18	5,248481E+20
2980	2,248845E+21	4,715459E+21	6,434195E+21	6,434186E+21	4,715403E+21	2,248772E+21	5,248232E+20	5,479230E+18	0,000000E+00	0,000000E+00	5,481766E+18	5,249774E+20
2981	2,248994E+21	4,715437E+21	6,433841E+21	6,433596E+21	4,715055E+21	2,248811E+21	5,249429E+20	5,483159E+18	0,000000E+00	0,000000E+00	5,481874E+18	5,248461E+20
2982	2,248669E+21	4,714990E+21	6,433716E+21	6,433855E+21	4,715321E+21	2,248927E+21	5,249723E+20	5,486613E+18	0,000000E+00	0,000000E+00	5,486204E+18	5,249370E+20
2983	2,248817E+21	4,715164E+21	6,433774E+21	6,433749E+21	4,715016E+21	2,248647E+21	5,248514E+20	5,483552E+18	0,000000E+00	0,000000E+00	5,485386E+18	5,249734E+20
2984	2,248832E+21	4,715035E+21	6,433433E+21	6,433412E+21	4,715057E+21	2,248873E+21	5,249952E+20	5,485816E+18	0,000000E+00	0,000000E+00	5,483562E+18	5,248529E+20
2985	2,248648E+21	4,714934E+21	6,433650E+21	6,433787E+21	4,715254E+21	2,248843E+21	5,249032E+20	5,484298E+18	0,000000E+00	0,000000E+00	5,486179E+18	5,249850E+20
2986	2,248941E+21	4,715312E+21	6,433803E+21	6,433660E+21	4,714987E+21	2,248692E+21	5,248607E+20	5,480679E+18	0,000000E+00	0,000000E+00	5,480071E+18	5,248996E+20
2987	2,248831E+21	4,715223E+21	6,433774E+21	6,433862E+21	4,715421E+21	2,248985E+21	5,249803E+20	5,482251E+18	0,000000E+00	0,000000E+00	5,479439E+18	5,248198E+20
2988	2,248774E+21	4,715414E+21	6,434269E+21	6,434315E+21	4,715548E+21	2,248841E+21	5,248251E+20	5,479153E+18	0,000000E+00	0,000000E+00	5,479670E+18	5,249515E+20
2989	2,249036E+21	4,715667E+21	6,434287E+21	6,434119E+21	4,715393E+21	2,248865E+21	5,248669E+20	5,475365E+18	0,000000E+00	0,000000E+00	5,473373E+18	5,248075E+20
2990	2,248817E+21	4,715450E+21	6,434320E+21	6,434531E+21	4,715861E+21	2,249082E+21	5,249218E+20	5,477944E+18	0,000000E+00	0,000000E+00	5,477441E+18	5,248455E+20
2991	2,248961E+21	4,715775E+21	6,434615E+21	6,434632E+21	4,715717E+21	2,248838E+21	5,247639E+20	5,472918E+18	0,000000E+00	0,000000E+00	5,474238E+18	5,249140E+20
2992	2,249076E+21	4,715869E+21	6,434500E+21	6,434325E+21	4,715649E+21	2,248987E+21	5,248863E+20	5,473211E+18	0,000000E+00	0,000000E+00	5,472903E+18	5,247752E+20
2993	2,248835E+21	4,715629E+21	6,434588E+21	6,434677E+21	4,715887E+21	2,249043E+21	5,248662E+20	5,476863E+18	0,000000E+00	0,000000E+00	5,477467E+18	5,248895E+20
2994	2,249013E+21	4,715799E+21	6,434583E+21	6,434481E+21	4,715521E+21	2,248792E+21	5,247946E+20	5,473483E+18	0,000000E+00	0,000000E+00	5,474335E+18	5,248766E+20
2995	2,248925E+21	4,715515E+21	6,434129E+21	6,434182E+21	4,715627E+21	2,249020E+21	5,249617E+20	5,480700E+18	0,000000E+00	0,000000E+00	5,478891E+18	5,248010E+20
2996	2,248729E+21	4,715289E+21	6,434112E+21	6,434211E+21	4,715543E+21	2,248891E+21	5,248613E+20	5,481152E+18	0,000000E+00	0,000000E+00	5,482541E+18	5,249764E+20
2997	2,248972E+21	4,715375E+21	6,433828E+21	6,433608E+21	4,714956E+21	2,248708E+21	5,248869E+20	5,481432E+18	0,000000E+00	0,000000E+00	5,482523E+18	5,248998E+20
2998	2,248749E+21	4,714954E+21	6,433454E+21	6,433543E+21	4,715132E+21	2,248902E+21	5,250140E+20	5,488945E+18	0,000000E+00	0,000000E+00	5,487763E+18	5,249015E+20
2999	2,248700E+21	4,714948E+21	6,433516E+21	6,433503E+21	4,714891E+21	2,248632E+21	5,248745E+20	5,486782E+18	0,000000E+00	0,000000E+00	5,489706E+18	5,250289E+20