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°
-3000	3,693922E+21	6,685066E+21	8,978793E+21	8,978567E+21	6,684537E+21	3,693481E+21	1,287688E+21	1,119873E+20	0,000000E+00	0,000000E+00	1,120420E+20	1,287901E+21
-2999	3,693635E+21	6,684375E+21	8,978066E+21	8,978353E+21	6,684810E+21	3,693859E+21	1,287969E+21	1,120511E+20	0,000000E+00	0,000000E+00	1,120246E+20	1,287781E+21
-2998	3,693517E+21	6,684427E+21	8,978080E+21	8,978090E+21	6,684505E+21	3,693684E+21	1,287931E+21	1,120838E+20	0,000000E+00	0,000000E+00	1,121021E+20	1,288051E+21
-2997	3,693820E+21	6,684461E+21	8,977759E+21	8,977554E+21	6,684025E+21	3,693469E+21	1,287847E+21	1,120579E+20	0,000000E+00	0,000000E+00	1,120903E+20	1,287927E+21
-2996	3,693409E+21	6,683740E+21	8,977153E+21	8,977317E+21	6,684107E+21	3,693718E+21	1,288128E+21	1,121470E+20	0,000000E+00	0,000000E+00	1,121049E+20	1,287909E+21
-2995	3,693500E+21	6,684001E+21	8,977264E+21	8,977090E+21	6,683628E+21	3,693303E+21	1,287913E+21	1,121307E+20	0,000000E+00	0,000000E+00	1,121724E+20	1,288144E+21
-2994	3,693600E+21	6,683735E+21	8,976771E+21	8,976756E+21	6,683610E+21	3,693417E+21	1,287980E+21	1,121296E+20	0,000000E+00	0,000000E+00	1,121395E+20	1,287953E+21
-2993	3,693231E+21	6,683363E+21	8,976698E+21	8,976818E+21	6,683730E+21	3,693570E+21	1,288140E+21	1,121856E+20	0,000000E+00	0,000000E+00	1,121614E+20	1,288080E+21
-2992	3,693633E+21	6,683881E+21	8,976930E+21	8,976717E+21	6,683363E+21	3,693199E+21	1,287876E+21	1,121296E+20	0,000000E+00	0,000000E+00	1,121820E+20	1,288131E+21
-2991	3,693499E+21	6,683515E+21	8,976561E+21	8,976733E+21	6,683756E+21	3,693584E+21	1,288088E+21	1,121458E+20	0,000000E+00	0,000000E+00	1,121178E+20	1,287891E+21
-2990	3,693283E+21	6,683669E+21	8,977056E+21	8,977070E+21	6,683850E+21	3,693562E+21	1,288076E+21	1,121641E+20	0,000000E+00	0,000000E+00	1,121456E+20	1,288079E+21
-2989	3,693684E+21	6,684077E+21	8,977292E+21	8,977129E+21	6,683694E+21	3,693333E+21	1,287859E+21	1,120905E+20	0,000000E+00	0,000000E+00	1,121213E+20	1,287967E+21
-2988	3,693386E+21	6,683649E+21	8,977074E+21	8,977377E+21	6,684202E+21	3,693723E+21	1,288074E+21	1,121155E+20	0,000000E+00	0,000000E+00	1,120720E+20	1,287857E+21
-2987	3,693485E+21	6,684187E+21	8,977685E+21	8,977649E+21	6,684120E+21	3,693489E+21	1,287875E+21	1,120867E+20	0,000000E+00	0,000000E+00	1,121147E+20	1,288087E+21
-2986	3,693812E+21	6,684402E+21	8,977752E+21	8,977704E+21	6,684221E+21	3,693544E+21	1,287824E+21	1,120275E+20	0,000000E+00	0,000000E+00	1,120503E+20	1,287863E+21
-2985	3,693504E+21	6,684220E+21	8,977928E+21	8,978043E+21	6,684562E+21	3,693801E+21	1,288012E+21	1,120791E+20	0,000000E+00	0,000000E+00	1,120388E+20	1,287873E+21
-2984	3,693807E+21	6,684823E+21	8,978392E+21	8,978154E+21	6,684290E+21	3,693434E+21	1,287750E+21	1,120295E+20	0,000000E+00	0,000000E+00	1,120747E+20	1,287974E+21
-2983	3,693729E+21	6,684498E+21	8,978012E+21	8,978073E+21	6,684540E+21	3,693702E+21	1,287893E+21	1,120332E+20	0,000000E+00	0,000000E+00	1,120211E+20	1,287766E+21
-2982	3,693402E+21	6,684271E+21	8,978090E+21	8,978186E+21	6,684617E+21	3,693773E+21	1,287996E+21	1,120955E+20	0,000000E+00	0,000000E+00	1,120746E+20	1,287960E+21
-2981	3,693786E+21	6,684546E+21	8,978023E+21	8,977866E+21	6,684151E+21	3,693423E+21	1,287778E+21	1,120425E+20	0,000000E+00	0,000000E+00	1,120954E+20	1,287985E+21
-2980	3,693556E+21	6,683932E+21	8,977276E+21	8,977495E+21	6,684265E+21	3,693726E+21	1,288044E+21	1,121058E+20	0,000000E+00	0,000000E+00	1,120782E+20	1,287856E+21
-2979	3,693409E+21	6,683985E+21	8,977383E+21	8,977307E+21	6,683929E+21	3,693511E+21	1,287993E+21	1,121350E+20	0,000000E+00	0,000000E+00	1,121527E+20	1,288111E+21
-2978	3,693689E+21	6,683994E+21	8,977072E+21	8,976859E+21	6,683535E+21	3,693319E+21	1,287907E+21	1,121108E+20	0,000000E+00	0,000000E+00	1,121472E+20	1,287998E+21
-2977	3,693277E+21	6,683320E+21	8,976551E+21	8,976681E+21	6,683656E+21	3,693567E+21	1,288169E+21	1,121939E+20	0,000000E+00	0,000000E+00	1,121572E+20	1,287988E+21
-2976	3,693399E+21	6,683576E+21	8,976645E+21	8,976486E+21	6,683236E+21	3,693192E+21	1,287956E+21	1,121735E+20	0,000000E+00	0,000000E+00	1,122215E+20	1,288212E+21
-2975	3,693496E+21	6,683298E+21	8,976095E+21	8,976098E+21	6,683212E+21	3,693331E+21	1,288048E+21	1,121762E+20	0,000000E+00	0,000000E+00	1,121867E+20	1,288026E+21
-2974	3,693150E+21	6,682965E+21	8,976063E+21	8,976239E+21	6,683410E+21	3,693515E+21	1,288217E+21	1,122336E+20	0,000000E+00	0,000000E+00	1,122005E+20	1,288118E+21
-2973	3,693529E+21	6,683512E+21	8,976359E+21	8,976149E+21	6,683032E+21	3,693158E+21	1,287965E+21	1,121792E+20	0,000000E+00	0,000000E+00	1,122218E+20	1,288171E+21
-2972	3,693385E+21	6,683145E+21	8,976001E+21	8,976115E+21	6,683322E+21	3,693461E+21	1,288145E+21	1,121899E+20	0,000000E+00	0,000000E+00	1,121595E+20	1,287939E+21
-2971	3,693144E+21	6,683232E+21	8,976496E+21	8,976525E+21	6,683447E+21	3,693424E+21	1,288108E+21	1,122001E+20	0,000000E+00	0,000000E+00	1,121876E+20	1,288140E+21
-2970	3,693589E+21	6,683677E+21	8,976707E+21	8,976592E+21	6,683366E+21	3,693243E+21	1,287893E+21	1,121235E+20	0,000000E+00	0,000000E+00	1,121660E+20	1,288048E+21
-2969	3,693352E+21	6,683394E+21	8,976609E+21	8,976840E+21	6,683845E+21	3,693619E+21	1,288101E+21	1,121452E+20	0,000000E+00	0,000000E+00	1,121061E+20	1,287920E+21
-2968	3,693474E+21	6,683969E+21	8,977267E+21	8,977164E+21	6,683798E+21	3,693406E+21	1,287915E+21	1,121186E+20	0,000000E+00	0,000000E+00	1,121434E+20	1,288107E+21
-2967	3,693727E+21	6,684130E+21	8,977313E+21	8,977194E+21	6,683865E+21	3,693457E+21	1,287888E+21	1,120696E+20	0,000000E+00	0,000000E+00	1,120828E+20	1,287886E+21
-2966	3,693368E+21	6,683840E+21	8,977445E+21	8,977621E+21	6,684287E+21	3,693729E+21	1,288080E+21	1,121268E+20	0,000000E+00	0,000000E+00	1,120758E+20	1,287893E+21
-2965	3,693639E+21	6,684362E+21	8,977806E+21	8,977657E+21	6,684012E+21	3,693389E+21	1,287827E+21	1,120789E+20	0,000000E+00	0,000000E+00	1,121221E+20	1,288037E+21

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°
-2964	3,693603E+21	6,684029E+21	8,977316E+21	8,977372E+21	6,684097E+21	3,693593E+21	1,287953E+21	1,120809E+20	0,000000E+00	0,000000E+00	1,120757E+20	1,287855E+21
-2963	3,693298E+21	6,683782E+21	8,977367E+21	8,977465E+21	6,684131E+21	3,693645E+21	1,288052E+21	1,121399E+20	0,000000E+00	0,000000E+00	1,121276E+20	1,288043E+21
-2962	3,693709E+21	6,684112E+21	8,977291E+21	8,977121E+21	6,683686E+21	3,693314E+21	1,287846E+21	1,120919E+20	0,000000E+00	0,000000E+00	1,121504E+20	1,288063E+21
-2961	3,693476E+21	6,683592E+21	8,976680E+21	8,976760E+21	6,683740E+21	3,693576E+21	1,288104E+21	1,121564E+20	0,000000E+00	0,000000E+00	1,121281E+20	1,287919E+21
-2960	3,693302E+21	6,683569E+21	8,976771E+21	8,976654E+21	6,683452E+21	3,693360E+21	1,288047E+21	1,121856E+20	0,000000E+00	0,000000E+00	1,122022E+20	1,288158E+21
-2959	3,693527E+21	6,683471E+21	8,976335E+21	8,976154E+21	6,683073E+21	3,693188E+21	1,287974E+21	1,121664E+20	0,000000E+00	0,000000E+00	1,122029E+20	1,288080E+21
-2958	3,693148E+21	6,682793E+21	8,975807E+21	8,976038E+21	6,683282E+21	3,693477E+21	1,288238E+21	1,122470E+20	0,000000E+00	0,000000E+00	1,122088E+20	1,288062E+21
-2957	3,693300E+21	6,683114E+21	8,975933E+21	8,975818E+21	6,682859E+21	3,693140E+21	1,288045E+21	1,122267E+20	0,000000E+00	0,000000E+00	1,122716E+20	1,288288E+21
-2956	3,693426E+21	6,682923E+21	8,975441E+21	8,975365E+21	6,682732E+21	3,693219E+21	1,288118E+21	1,122250E+20	0,000000E+00	0,000000E+00	1,122327E+20	1,288084E+21
-2955	3,693050E+21	6,682591E+21	8,975517E+21	8,975629E+21	6,682954E+21	3,693388E+21	1,288272E+21	1,122756E+20	0,000000E+00	0,000000E+00	1,122410E+20	1,288154E+21
-2954	3,693401E+21	6,683111E+21	8,975804E+21	8,975625E+21	6,682683E+21	3,693060E+21	1,288016E+21	1,122201E+20	0,000000E+00	0,000000E+00	1,122652E+20	1,288218E+21
-2953	3,693272E+21	6,682814E+21	8,975527E+21	8,975613E+21	6,682976E+21	3,693352E+21	1,288174E+21	1,122223E+20	0,000000E+00	0,000000E+00	1,121981E+20	1,288003E+21
-2952	3,693077E+21	6,682894E+21	8,975997E+21	8,976038E+21	6,683130E+21	3,693334E+21	1,288135E+21	1,122296E+20	0,000000E+00	0,000000E+00	1,122219E+20	1,288185E+21
-2951	3,693508E+21	6,683320E+21	8,976153E+21	8,976055E+21	6,683036E+21	3,693170E+21	1,287947E+21	1,121589E+20	0,000000E+00	0,000000E+00	1,122008E+20	1,288104E+21
-2950	3,693301E+21	6,683093E+21	8,976124E+21	8,976383E+21	6,683568E+21	3,693558E+21	1,288161E+21	1,121849E+20	0,000000E+00	0,000000E+00	1,121368E+20	1,287945E+21
-2949	3,693385E+21	6,683673E+21	8,976818E+21	8,976685E+21	6,683489E+21	3,693357E+21	1,287996E+21	1,121651E+20	0,000000E+00	0,000000E+00	1,121801E+20	1,288140E+21
-2948	3,693608E+21	6,683770E+21	8,976804E+21	8,976637E+21	6,683453E+21	3,693331E+21	1,287942E+21	1,121154E+20	0,000000E+00	0,000000E+00	1,121273E+20	1,287940E+21
-2947	3,693234E+21	6,683388E+21	8,976849E+21	8,977053E+21	6,683883E+21	3,693603E+21	1,288120E+21	1,121679E+20	0,000000E+00	0,000000E+00	1,121254E+20	1,287962E+21
-2946	3,693529E+21	6,683897E+21	8,977120E+21	8,977033E+21	6,683640E+21	3,693302E+21	1,287880E+21	1,121214E+20	0,000000E+00	0,000000E+00	1,121758E+20	1,288124E+21
-2945	3,693545E+21	6,683682E+21	8,976705E+21	8,976695E+21	6,683644E+21	3,693473E+21	1,288001E+21	1,121226E+20	0,000000E+00	0,000000E+00	1,121248E+20	1,287938E+21
-2944	3,693254E+21	6,683425E+21	8,976751E+21	8,976792E+21	6,683676E+21	3,693527E+21	1,288108E+21	1,121843E+20	0,000000E+00	0,000000E+00	1,121714E+20	1,288082E+21
-2943	3,693576E+21	6,683679E+21	8,976639E+21	8,976422E+21	6,683204E+21	3,693193E+21	1,287925E+21	1,121464E+20	0,000000E+00	0,000000E+00	1,121995E+20	1,288117E+21
-2942	3,693328E+21	6,683094E+21	8,976004E+21	8,976146E+21	6,683328E+21	3,693456E+21	1,288175E+21	1,122133E+20	0,000000E+00	0,000000E+00	1,121784E+20	1,287968E+21
-2941	3,693146E+21	6,683052E+21	8,976044E+21	8,975984E+21	6,683046E+21	3,693278E+21	1,288131E+21	1,122430E+20	0,000000E+00	0,000000E+00	1,122585E+20	1,288241E+21
-2940	3,693411E+21	6,682977E+21	8,975574E+21	8,975377E+21	6,682562E+21	3,693054E+21	1,288040E+21	1,122202E+20	0,000000E+00	0,000000E+00	1,122611E+20	1,288176E+21
-2939	3,693062E+21	6,682323E+21	8,975085E+21	8,975315E+21	6,682796E+21	3,693353E+21	1,288299E+21	1,122933E+20	0,000000E+00	0,000000E+00	1,122605E+20	1,288136E+21
-2938	3,693224E+21	6,682723E+21	8,975277E+21	8,975148E+21	6,682444E+21	3,693057E+21	1,288121E+21	1,122758E+20	0,000000E+00	0,000000E+00	1,123203E+20	1,288345E+21
-2937	3,693336E+21	6,682621E+21	8,974942E+21	8,974755E+21	6,682281E+21	3,693096E+21	1,288177E+21	1,122700E+20	0,000000E+00	0,000000E+00	1,122747E+20	1,288128E+21
-2936	3,692930E+21	6,682195E+21	8,974987E+21	8,975115E+21	6,682582E+21	3,693270E+21	1,288316E+21	1,123165E+20	0,000000E+00	0,000000E+00	1,122788E+20	1,288177E+21
-2935	3,693231E+21	6,682638E+21	8,975175E+21	8,975063E+21	6,682334E+21	3,692968E+21	1,288070E+21	1,122626E+20	0,000000E+00	0,000000E+00	1,123075E+20	1,288280E+21
-2934	3,693165E+21	6,682371E+21	8,974903E+21	8,975094E+21	6,682675E+21	3,693278E+21	1,288226E+21	1,122622E+20	0,000000E+00	0,000000E+00	1,122343E+20	1,288055E+21
-2933	3,693013E+21	6,682553E+21	8,975427E+21	8,975495E+21	6,682820E+21	3,693290E+21	1,288208E+21	1,122711E+20	0,000000E+00	0,000000E+00	1,122587E+20	1,288241E+21
-2932	3,693458E+21	6,683043E+21	8,975645E+21	8,975459E+21	6,682618E+21	3,693058E+21	1,288001E+21	1,121992E+20	0,000000E+00	0,000000E+00	1,122372E+20	1,288150E+21
-2931	3,693221E+21	6,682793E+21	8,975691E+21	8,975892E+21	6,683172E+21	3,693434E+21	1,288200E+21	1,122203E+20	0,000000E+00	0,000000E+00	1,121747E+20	1,287982E+21
-2930	3,693277E+21	6,683326E+21	8,976337E+21	8,976240E+21	6,683183E+21	3,693265E+21	1,288039E+21	1,122028E+20	0,000000E+00	0,000000E+00	1,122246E+20	1,288193E+21
-2929	3,693511E+21	6,683462E+21	8,976337E+21	8,976143E+21	6,683103E+21	3,693220E+21	1,287968E+21	1,121485E+20	0,000000E+00	0,000000E+00	1,121724E+20	1,288018E+21

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°
-2928	3,693174E+21	6,683022E+21	8,976290E+21	8,976519E+21	6,683536E+21	3,693509E+21	1,288156E+21	1,122025E+20	0,000000E+00	0,000000E+00	1,121679E+20	1,288016E+21
-2927	3,693426E+21	6,683474E+21	8,976455E+21	8,976398E+21	6,683255E+21	3,693224E+21	1,287950E+21	1,121660E+20	0,000000E+00	0,000000E+00	1,122203E+20	1,288190E+21
-2926	3,693463E+21	6,683276E+21	8,976060E+21	8,976077E+21	6,683256E+21	3,693390E+21	1,288085E+21	1,121758E+20	0,000000E+00	0,000000E+00	1,121675E+20	1,287978E+21
-2925	3,693130E+21	6,683007E+21	8,976108E+21	8,976127E+21	6,683234E+21	3,693441E+21	1,288209E+21	1,122442E+20	0,000000E+00	0,000000E+00	1,122214E+20	1,288133E+21
-2924	3,693415E+21	6,683176E+21	8,975913E+21	8,975674E+21	6,682668E+21	3,693031E+21	1,287997E+21	1,122059E+20	0,000000E+00	0,000000E+00	1,122574E+20	1,288198E+21
-2923	3,693189E+21	6,682560E+21	8,975243E+21	8,975402E+21	6,682812E+21	3,693300E+21	1,288226E+21	1,122644E+20	0,000000E+00	0,000000E+00	1,122391E+20	1,288061E+21
-2922	3,693045E+21	6,682554E+21	8,975262E+21	8,975241E+21	6,682586E+21	3,693165E+21	1,288196E+21	1,122943E+20	0,000000E+00	0,000000E+00	1,123171E+20	1,288333E+21
-2921	3,693353E+21	6,682624E+21	8,974933E+21	8,974667E+21	6,682076E+21	3,692924E+21	1,288097E+21	1,122680E+20	0,000000E+00	0,000000E+00	1,123122E+20	1,288253E+21
-2920	3,693005E+21	6,681976E+21	8,974496E+21	8,974679E+21	6,682354E+21	3,693235E+21	1,288358E+21	1,123393E+20	0,000000E+00	0,000000E+00	1,123018E+20	1,288158E+21
-2919	3,693054E+21	6,682274E+21	8,974663E+21	8,974544E+21	6,682038E+21	3,692961E+21	1,288201E+21	1,123275E+20	0,000000E+00	0,000000E+00	1,123631E+20	1,288382E+21
-2918	3,693169E+21	6,682126E+21	8,974324E+21	8,974260E+21	6,681964E+21	3,693010E+21	1,288243E+21	1,123182E+20	0,000000E+00	0,000000E+00	1,123163E+20	1,288167E+21
-2917	3,692786E+21	6,681731E+21	8,974328E+21	8,974539E+21	6,682253E+21	3,693214E+21	1,288387E+21	1,123614E+20	0,000000E+00	0,000000E+00	1,123238E+20	1,288247E+21
-2916	3,693126E+21	6,682209E+21	8,974507E+21	8,974400E+21	6,681907E+21	3,692854E+21	1,288117E+21	1,123026E+20	0,000000E+00	0,000000E+00	1,123521E+20	1,288364E+21
-2915	3,693126E+21	6,682036E+21	8,974323E+21	8,974486E+21	6,682261E+21	3,693160E+21	1,288260E+21	1,122945E+20	0,000000E+00	0,000000E+00	1,122741E+20	1,288120E+21
-2914	3,692985E+21	6,682309E+21	8,974943E+21	8,974957E+21	6,682461E+21	3,693198E+21	1,288258E+21	1,123082E+20	0,000000E+00	0,000000E+00	1,122970E+20	1,288287E+21
-2913	3,693406E+21	6,682861E+21	8,975305E+21	8,975011E+21	6,682243E+21	3,692929E+21	1,288035E+21	1,122342E+20	0,000000E+00	0,000000E+00	1,122736E+20	1,288197E+21
-2912	3,693140E+21	6,682492E+21	8,975278E+21	8,975496E+21	6,682867E+21	3,693319E+21	1,288225E+21	1,122539E+20	0,000000E+00	0,000000E+00	1,122108E+20	1,288010E+21
-2911	3,693124E+21	6,682900E+21	8,975769E+21	8,975752E+21	6,682894E+21	3,693202E+21	1,288094E+21	1,122424E+20	0,000000E+00	0,000000E+00	1,122659E+20	1,288253E+21
-2910	3,693405E+21	6,683030E+21	8,975725E+21	8,975640E+21	6,682813E+21	3,693165E+21	1,288034E+21	1,121917E+20	0,000000E+00	0,000000E+00	1,122114E+20	1,288068E+21
-2909	3,693091E+21	6,682643E+21	8,975639E+21	8,975895E+21	6,683182E+21	3,693468E+21	1,288250E+21	1,122529E+20	0,000000E+00	0,000000E+00	1,122113E+20	1,288069E+21
-2908	3,693313E+21	6,683072E+21	8,975792E+21	8,975671E+21	6,682758E+21	3,693100E+21	1,288030E+21	1,122198E+20	0,000000E+00	0,000000E+00	1,122667E+20	1,288244E+21
-2907	3,693333E+21	6,682828E+21	8,975403E+21	8,975386E+21	6,682745E+21	3,693235E+21	1,288145E+21	1,122274E+20	0,000000E+00	0,000000E+00	1,122197E+20	1,288035E+21
-2906	3,692989E+21	6,682533E+21	8,975409E+21	8,975457E+21	6,682780E+21	3,693305E+21	1,288270E+21	1,122971E+20	0,000000E+00	0,000000E+00	1,122797E+20	1,288213E+21
-2905	3,693307E+21	6,682764E+21	8,975248E+21	8,974972E+21	6,682171E+21	3,692875E+21	1,288040E+21	1,122539E+20	0,000000E+00	0,000000E+00	1,123156E+20	1,288298E+21
-2904	3,693114E+21	6,682120E+21	8,974549E+21	8,974727E+21	6,682359E+21	3,693166E+21	1,288270E+21	1,123095E+20	0,000000E+00	0,000000E+00	1,122912E+20	1,288129E+21
-2903	3,692930E+21	6,682095E+21	8,974539E+21	8,974545E+21	6,682161E+21	3,693077E+21	1,288276E+21	1,123461E+20	0,000000E+00	0,000000E+00	1,123668E+20	1,288400E+21
-2902	3,693246E+21	6,682186E+21	8,974276E+21	8,974049E+21	6,681683E+21	3,692844E+21	1,288188E+21	1,123251E+20	0,000000E+00	0,000000E+00	1,123569E+20	1,288287E+21
-2901	3,692858E+21	6,681535E+21	8,973845E+21	8,974053E+21	6,681957E+21	3,693164E+21	1,288457E+21	1,123970E+20	0,000000E+00	0,000000E+00	1,123501E+20	1,288205E+21
-2900	3,692867E+21	6,681744E+21	8,973935E+21	8,973851E+21	6,681570E+21	3,692824E+21	1,288266E+21	1,123806E+20	0,000000E+00	0,000000E+00	1,124136E+20	1,288453E+21
-2899	3,693037E+21	6,681619E+21	8,973589E+21	8,973563E+21	6,681512E+21	3,692880E+21	1,288283E+21	1,123591E+20	0,000000E+00	0,000000E+00	1,123670E+20	1,288253E+21
-2898	3,692722E+21	6,681341E+21	8,973660E+21	8,973881E+21	6,681844E+21	3,693108E+21	1,288432E+21	1,123996E+20	0,000000E+00	0,000000E+00	1,123695E+20	1,288329E+21
-2897	3,693117E+21	6,681999E+21	8,974024E+21	8,973814E+21	6,681488E+21	3,692725E+21	1,288148E+21	1,123356E+20	0,000000E+00	0,000000E+00	1,123897E+20	1,288430E+21
-2896	3,693112E+21	6,681848E+21	8,973954E+21	8,974036E+21	6,681913E+21	3,693039E+21	1,288284E+21	1,123253E+20	0,000000E+00	0,000000E+00	1,123032E+20	1,288134E+21
-2895	3,692866E+21	6,682015E+21	8,974547E+21	8,974566E+21	6,682183E+21	3,693120E+21	1,288308E+21	1,123458E+20	0,000000E+00	0,000000E+00	1,123292E+20	1,288314E+21
-2894	3,693274E+21	6,682489E+21	8,974868E+21	8,974695E+21	6,682043E+21	3,692876E+21	1,288090E+21	1,122736E+20	0,000000E+00	0,000000E+00	1,123062E+20	1,288223E+21
-2893	3,693013E+21	6,682114E+21	8,974738E+21	8,975040E+21	6,682624E+21	3,693296E+21	1,288298E+21	1,122956E+20	0,000000E+00	0,000000E+00	1,122519E+20	1,288067E+21

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°
-2892	3,692990E+21	6,682450E+21	8,975114E+21	8,975136E+21	6,682514E+21	3,693118E+21	1,288159E+21	1,122858E+20	0,000000E+00	0,000000E+00	1,123087E+20	1,288320E+21
-2891	3,693325E+21	6,682635E+21	8,975063E+21	8,974962E+21	6,682387E+21	3,693067E+21	1,288094E+21	1,122340E+20	0,000000E+00	0,000000E+00	1,122577E+20	1,288135E+21
-2890	3,693017E+21	6,682296E+21	8,975000E+21	8,975191E+21	6,682718E+21	3,693353E+21	1,288321E+21	1,123030E+20	0,000000E+00	0,000000E+00	1,122602E+20	1,288128E+21
-2889	3,693214E+21	6,682737E+21	8,975226E+21	8,975013E+21	6,682250E+21	3,692928E+21	1,288077E+21	1,122685E+20	0,000000E+00	0,000000E+00	1,123185E+20	1,288321E+21
-2888	3,693231E+21	6,682407E+21	8,974773E+21	8,974760E+21	6,682282E+21	3,693057E+21	1,288172E+21	1,122740E+20	0,000000E+00	0,000000E+00	1,122725E+20	1,288100E+21
-2887	3,692839E+21	6,682020E+21	8,974662E+21	8,974768E+21	6,682351E+21	3,693187E+21	1,288328E+21	1,123472E+20	0,000000E+00	0,000000E+00	1,123347E+20	1,288302E+21
-2886	3,693204E+21	6,682272E+21	8,974529E+21	8,974342E+21	6,681784E+21	3,692788E+21	1,288117E+21	1,123082E+20	0,000000E+00	0,000000E+00	1,123655E+20	1,288364E+21
-2885	3,693023E+21	6,681707E+21	8,973845E+21	8,974026E+21	6,681943E+21	3,693106E+21	1,288373E+21	1,123676E+20	0,000000E+00	0,000000E+00	1,123430E+20	1,288187E+21
-2884	3,692776E+21	6,681618E+21	8,973824E+21	8,973793E+21	6,681656E+21	3,692960E+21	1,288366E+21	1,124051E+20	0,000000E+00	0,000000E+00	1,124162E+20	1,288450E+21
-2883	3,693088E+21	6,681688E+21	8,973564E+21	8,973337E+21	6,681206E+21	3,692716E+21	1,288255E+21	1,123776E+20	0,000000E+00	0,000000E+00	1,124111E+20	1,288349E+21
-2882	3,692713E+21	6,681048E+21	8,973106E+21	8,973349E+21	6,681518E+21	3,693046E+21	1,288515E+21	1,124454E+20	0,000000E+00	0,000000E+00	1,124042E+20	1,288287E+21
-2881	3,692774E+21	6,681349E+21	8,973282E+21	8,973168E+21	6,681104E+21	3,692677E+21	1,288298E+21	1,124201E+20	0,000000E+00	0,000000E+00	1,124632E+20	1,288550E+21
-2880	3,693000E+21	6,681271E+21	8,972997E+21	8,972962E+21	6,681100E+21	3,692739E+21	1,288305E+21	1,123923E+20	0,000000E+00	0,000000E+00	1,124065E+20	1,288311E+21
-2879	3,692657E+21	6,681032E+21	8,973131E+21	8,973329E+21	6,681494E+21	3,693023E+21	1,288486E+21	1,124377E+20	0,000000E+00	0,000000E+00	1,124042E+20	1,288376E+21
-2878	3,693045E+21	6,681720E+21	8,973624E+21	8,973412E+21	6,681206E+21	3,692666E+21	1,288221E+21	1,123798E+20	0,000000E+00	0,000000E+00	1,124190E+20	1,288440E+21
-2877	3,692990E+21	6,681550E+21	8,973550E+21	8,973645E+21	6,681657E+21	3,692996E+21	1,288363E+21	1,123703E+20	0,000000E+00	0,000000E+00	1,123395E+20	1,288162E+21
-2876	3,692693E+21	6,681575E+21	8,973990E+21	8,974069E+21	6,681867E+21	3,693035E+21	1,288364E+21	1,123893E+20	0,000000E+00	0,000000E+00	1,123691E+20	1,288365E+21
-2875	3,693146E+21	6,682036E+21	8,974221E+21	8,974106E+21	6,681707E+21	3,692801E+21	1,288135E+21	1,123107E+20	0,000000E+00	0,000000E+00	1,123504E+20	1,288292E+21
-2874	3,692938E+21	6,681737E+21	8,974085E+21	8,974397E+21	6,682250E+21	3,693216E+21	1,288356E+21	1,123358E+20	0,000000E+00	0,000000E+00	1,122968E+20	1,288142E+21
-2873	3,692951E+21	6,682170E+21	8,974553E+21	8,974479E+21	6,682058E+21	3,692983E+21	1,288203E+21	1,123248E+20	0,000000E+00	0,000000E+00	1,123511E+20	1,288385E+21
-2872	3,693265E+21	6,682329E+21	8,974546E+21	8,974370E+21	6,681940E+21	3,692910E+21	1,288127E+21	1,122739E+20	0,000000E+00	0,000000E+00	1,122982E+20	1,288172E+21
-2871	3,692879E+21	6,681896E+21	8,974441E+21	8,974626E+21	6,682315E+21	3,693224E+21	1,288370E+21	1,123485E+20	0,000000E+00	0,000000E+00	1,123075E+20	1,288189E+21
-2870	3,693081E+21	6,682283E+21	8,974629E+21	8,974483E+21	6,681900E+21	3,692830E+21	1,288139E+21	1,123179E+20	0,000000E+00	0,000000E+00	1,123659E+20	1,288381E+21
-2869	3,693114E+21	6,681969E+21	8,974110E+21	8,974133E+21	6,681911E+21	3,692988E+21	1,288249E+21	1,123257E+20	0,000000E+00	0,000000E+00	1,123276E+20	1,288182E+21
-2868	3,692713E+21	6,681514E+21	8,973892E+21	8,974023E+21	6,681887E+21	3,693078E+21	1,288403E+21	1,124007E+20	0,000000E+00	0,000000E+00	1,123870E+20	1,288379E+21
-2867	3,693109E+21	6,681813E+21	8,973762E+21	8,973556E+21	6,681311E+21	3,692692E+21	1,288198E+21	1,123629E+20	0,000000E+00	0,000000E+00	1,124202E+20	1,288430E+21
-2866	3,692909E+21	6,681282E+21	8,973139E+21	8,973260E+21	6,681445E+21	3,692997E+21	1,288465E+21	1,124269E+20	0,000000E+00	0,000000E+00	1,123988E+20	1,288253E+21
-2865	3,692641E+21	6,681174E+21	8,973160E+21	8,973081E+21	6,681133E+21	3,692794E+21	1,288425E+21	1,124581E+20	0,000000E+00	0,000000E+00	1,124710E+20	1,288525E+21
-2864	3,692959E+21	6,681202E+21	8,972860E+21	8,972657E+21	6,680739E+21	3,692551E+21	1,288288E+21	1,124231E+20	0,000000E+00	0,000000E+00	1,124627E+20	1,288418E+21
-2863	3,692582E+21	6,680562E+21	8,972380E+21	8,972652E+21	6,681090E+21	3,692931E+21	1,288564E+21	1,124886E+20	0,000000E+00	0,000000E+00	1,124519E+20	1,288370E+21
-2862	3,692703E+21	6,680947E+21	8,972675E+21	8,972594E+21	6,680744E+21	3,692598E+21	1,288364E+21	1,124656E+20	0,000000E+00	0,000000E+00	1,125007E+20	1,288598E+21
-2861	3,692944E+21	6,680990E+21	8,972498E+21	8,972423E+21	6,680764E+21	3,692681E+21	1,288383E+21	1,124379E+20	0,000000E+00	0,000000E+00	1,124440E+20	1,288346E+21
-2860	3,692531E+21	6,680674E+21	8,972636E+21	8,972804E+21	6,681121E+21	3,692924E+21	1,288551E+21	1,124832E+20	0,000000E+00	0,000000E+00	1,124387E+20	1,288404E+21
-2859	3,692916E+21	6,681336E+21	8,973114E+21	8,972929E+21	6,680902E+21	3,692590E+21	1,288273E+21	1,124205E+20	0,000000E+00	0,000000E+00	1,124603E+20	1,288481E+21
-2858	3,692866E+21	6,681168E+21	8,972999E+21	8,973123E+21	6,681347E+21	3,692924E+21	1,288411E+21	1,124080E+20	0,000000E+00	0,000000E+00	1,123836E+20	1,288231E+21
-2857	3,692609E+21	6,681218E+21	8,973437E+21	8,973505E+21	6,681496E+21	3,692925E+21	1,288392E+21	1,124208E+20	0,000000E+00	0,000000E+00	1,124116E+20	1,288443E+21

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°
-2856	3,693104E+21	6,681710E+21	8,973673E+21	8,973545E+21	6,681333E+21	3,692675E+21	1,288153E+21	1,123396E+20	0,000000E+00	0,000000E+00	1,123881E+20	1,288346E+21
-2855	3,692876E+21	6,681428E+21	8,973532E+21	8,973789E+21	6,681866E+21	3,693122E+21	1,288406E+21	1,123736E+20	0,000000E+00	0,000000E+00	1,123348E+20	1,288196E+21
-2854	3,692871E+21	6,681845E+21	8,974089E+21	8,973983E+21	6,681702E+21	3,692895E+21	1,288274E+21	1,123719E+20	0,000000E+00	0,000000E+00	1,123873E+20	1,288414E+21
-2853	3,693147E+21	6,681967E+21	8,974036E+21	8,973852E+21	6,681582E+21	3,692818E+21	1,288201E+21	1,123253E+20	0,000000E+00	0,000000E+00	1,123457E+20	1,288224E+21
-2852	3,692711E+21	6,681383E+21	8,973755E+21	8,973978E+21	6,681888E+21	3,693099E+21	1,288429E+21	1,123998E+20	0,000000E+00	0,000000E+00	1,123587E+20	1,288263E+21
-2851	3,692964E+21	6,681781E+21	8,973870E+21	8,973749E+21	6,681472E+21	3,692739E+21	1,288203E+21	1,123679E+20	0,000000E+00	0,000000E+00	1,124218E+20	1,288463E+21
-2850	3,693027E+21	6,681533E+21	8,973369E+21	8,973363E+21	6,681443E+21	3,692892E+21	1,288330E+21	1,123804E+20	0,000000E+00	0,000000E+00	1,123844E+20	1,288266E+21
-2849	3,692641E+21	6,681130E+21	8,973216E+21	8,973260E+21	6,681366E+21	3,692941E+21	1,288472E+21	1,124533E+20	0,000000E+00	0,000000E+00	1,124396E+20	1,288443E+21
-2848	3,692996E+21	6,681386E+21	8,973117E+21	8,972866E+21	6,680812E+21	3,692533E+21	1,288254E+21	1,124150E+20	0,000000E+00	0,000000E+00	1,124704E+20	1,288473E+21
-2847	3,692733E+21	6,680772E+21	8,972440E+21	8,972579E+21	6,680998E+21	3,692875E+21	1,288533E+21	1,124801E+20	0,000000E+00	0,000000E+00	1,124523E+20	1,288323E+21
-2846	3,692487E+21	6,680637E+21	8,972468E+21	8,972461E+21	6,680736E+21	3,692698E+21	1,288496E+21	1,125106E+20	0,000000E+00	0,000000E+00	1,125192E+20	1,288587E+21
-2845	3,692839E+21	6,680736E+21	8,972170E+21	8,972000E+21	6,680342E+21	3,692474E+21	1,288363E+21	1,124730E+20	0,000000E+00	0,000000E+00	1,125144E+20	1,288497E+21
-2844	3,692477E+21	6,680099E+21	8,971668E+21	8,971948E+21	6,680640E+21	3,692816E+21	1,288625E+21	1,125351E+20	0,000000E+00	0,000000E+00	1,124961E+20	1,288439E+21
-2843	3,692643E+21	6,680587E+21	8,972041E+21	8,971909E+21	6,680335E+21	3,692517E+21	1,288432E+21	1,125123E+20	0,000000E+00	0,000000E+00	1,125441E+20	1,288644E+21
-2842	3,692854E+21	6,680675E+21	8,971996E+21	8,971853E+21	6,680372E+21	3,692589E+21	1,288453E+21	1,124852E+20	0,000000E+00	0,000000E+00	1,124876E+20	1,288398E+21
-2841	3,692437E+21	6,680341E+21	8,972156E+21	8,972295E+21	6,680734E+21	3,692786E+21	1,288584E+21	1,125219E+20	0,000000E+00	0,000000E+00	1,124812E+20	1,288460E+21
-2840	3,692814E+21	6,680947E+21	8,972571E+21	8,972430E+21	6,680568E+21	3,692465E+21	1,288289E+21	1,124517E+20	0,000000E+00	0,000000E+00	1,124994E+20	1,288532E+21
-2839	3,692763E+21	6,680783E+21	8,972434E+21	8,972582E+21	6,681025E+21	3,692848E+21	1,288448E+21	1,124387E+20	0,000000E+00	0,000000E+00	1,124219E+20	1,288302E+21
-2838	3,692556E+21	6,680880E+21	8,972936E+21	8,973017E+21	6,681190E+21	3,692869E+21	1,288452E+21	1,124577E+20	0,000000E+00	0,000000E+00	1,124421E+20	1,288474E+21
-2837	3,693038E+21	6,681444E+21	8,973224E+21	8,973039E+21	6,681008E+21	3,692620E+21	1,288227E+21	1,123812E+20	0,000000E+00	0,000000E+00	1,124237E+20	1,288377E+21
-2836	3,692748E+21	6,681056E+21	8,973017E+21	8,973235E+21	6,681461E+21	3,693003E+21	1,288464E+21	1,124191E+20	0,000000E+00	0,000000E+00	1,123732E+20	1,288233E+21
-2835	3,692750E+21	6,681428E+21	8,973490E+21	8,973398E+21	6,681335E+21	3,692802E+21	1,288331E+21	1,124186E+20	0,000000E+00	0,000000E+00	1,124354E+20	1,288469E+21
-2834	3,693026E+21	6,681540E+21	8,973407E+21	8,973227E+21	6,681186E+21	3,692721E+21	1,288261E+21	1,123739E+20	0,000000E+00	0,000000E+00	1,124003E+20	1,288314E+21
-2833	3,692634E+21	6,680962E+21	8,973096E+21	8,973299E+21	6,681423E+21	3,692962E+21	1,288472E+21	1,124436E+20	0,000000E+00	0,000000E+00	1,124130E+20	1,288352E+21
-2832	3,692901E+21	6,681369E+21	8,973191E+21	8,973061E+21	6,681016E+21	3,692604E+21	1,288252E+21	1,124126E+20	0,000000E+00	0,000000E+00	1,124714E+20	1,288524E+21
-2831	3,692923E+21	6,681120E+21	8,972703E+21	8,972641E+21	6,680980E+21	3,692794E+21	1,288410E+21	1,124335E+20	0,000000E+00	0,000000E+00	1,124366E+20	1,288331E+21
-2830	3,692507E+21	6,680662E+21	8,972600E+21	8,972637E+21	6,680930E+21	3,692845E+21	1,288566E+21	1,125129E+20	0,000000E+00	0,000000E+00	1,124878E+20	1,288482E+21
-2829	3,692826E+21	6,680883E+21	8,972434E+21	8,972216E+21	6,680387E+21	3,692432E+21	1,288341E+21	1,124750E+20	0,000000E+00	0,000000E+00	1,125278E+20	1,288542E+21
-2828	3,692548E+21	6,680159E+21	8,971591E+21	8,971790E+21	6,680495E+21	3,692735E+21	1,288597E+21	1,125356E+20	0,000000E+00	0,000000E+00	1,125076E+20	1,288409E+21
-2827	3,692385E+21	6,680108E+21	8,971622E+21	8,971640E+21	6,680258E+21	3,692595E+21	1,288563E+21	1,125622E+20	0,000000E+00	0,000000E+00	1,125738E+20	1,288670E+21
-2826	3,692775E+21	6,680336E+21	8,971461E+21	8,971237E+21	6,679853E+21	3,692362E+21	1,288436E+21	1,125246E+20	0,000000E+00	0,000000E+00	1,125652E+20	1,288575E+21
-2825	3,692430E+21	6,679782E+21	8,971104E+21	8,971286E+21	6,680153E+21	3,692666E+21	1,288671E+21	1,125783E+20	0,000000E+00	0,000000E+00	1,125401E+20	1,288492E+21
-2824	3,692560E+21	6,680266E+21	8,971566E+21	8,971396E+21	6,679937E+21	3,692373E+21	1,288466E+21	1,125513E+20	0,000000E+00	0,000000E+00	1,125838E+20	1,288676E+21
-2823	3,692718E+21	6,680296E+21	8,971500E+21	8,971383E+21	6,680062E+21	3,692502E+21	1,288494E+21	1,125215E+20	0,000000E+00	0,000000E+00	1,125283E+20	1,288453E+21
-2822	3,692322E+21	6,679946E+21	8,971675E+21	8,971882E+21	6,680477E+21	3,692736E+21	1,288636E+21	1,125579E+20	0,000000E+00	0,000000E+00	1,125148E+20	1,288497E+21
-2821	3,692716E+21	6,680594E+21	8,972063E+21	8,971967E+21	6,680299E+21	3,692424E+21	1,288350E+21	1,124877E+20	0,000000E+00	0,000000E+00	1,125359E+20	1,288578E+21

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°
-2820	3,692662E+21	6,680390E+21	8,971837E+21	8,971997E+21	6,680656E+21	3,692764E+21	1,288506E+21	1,124770E+20	0,000000E+00	0,000000E+00	1,124552E+20	1,288347E+21
-2819	3,692494E+21	6,680555E+21	8,972361E+21	8,972399E+21	6,680820E+21	3,692805E+21	1,288524E+21	1,125023E+20	0,000000E+00	0,000000E+00	1,124806E+20	1,288505E+21
-2818	3,692931E+21	6,681112E+21	8,972723E+21	8,972479E+21	6,680606E+21	3,692520E+21	1,288300E+21	1,124304E+20	0,000000E+00	0,000000E+00	1,124691E+20	1,288437E+21
-2817	3,692653E+21	6,680677E+21	8,972469E+21	8,972672E+21	6,681033E+21	3,692845E+21	1,288495E+21	1,124618E+20	0,000000E+00	0,000000E+00	1,124233E+20	1,288309E+21
-2816	3,692659E+21	6,681009E+21	8,972865E+21	8,972802E+21	6,680923E+21	3,692653E+21	1,288356E+21	1,124576E+20	0,000000E+00	0,000000E+00	1,124846E+20	1,288540E+21
-2815	3,692932E+21	6,681119E+21	8,972756E+21	8,972586E+21	6,680782E+21	3,692623E+21	1,288314E+21	1,124167E+20	0,000000E+00	0,000000E+00	1,124511E+20	1,288400E+21
-2814	3,692566E+21	6,680571E+21	8,972500E+21	8,972694E+21	6,681030E+21	3,692886E+21	1,288553E+21	1,124940E+20	0,000000E+00	0,000000E+00	1,124567E+20	1,288392E+21
-2813	3,692784E+21	6,680980E+21	8,972602E+21	8,972441E+21	6,680610E+21	3,692533E+21	1,288349E+21	1,124688E+20	0,000000E+00	0,000000E+00	1,125198E+20	1,288563E+21
-2812	3,692738E+21	6,680588E+21	8,971990E+21	8,971946E+21	6,680496E+21	3,692669E+21	1,288493E+21	1,124927E+20	0,000000E+00	0,000000E+00	1,124893E+20	1,288390E+21
-2811	3,692355E+21	6,680102E+21	8,971765E+21	8,971860E+21	6,680472E+21	3,692745E+21	1,288644E+21	1,125707E+20	0,000000E+00	0,000000E+00	1,125462E+20	1,288550E+21
-2810	3,692674E+21	6,680341E+21	8,971626E+21	8,971423E+21	6,679889E+21	3,692316E+21	1,288416E+21	1,125313E+20	0,000000E+00	0,000000E+00	1,125890E+20	1,288649E+21
-2809	3,692482E+21	6,679696E+21	8,970825E+21	8,970995E+21	6,679941E+21	3,692558E+21	1,288635E+21	1,125813E+20	0,000000E+00	0,000000E+00	1,125640E+20	1,288508E+21
-2808	3,692346E+21	6,679728E+21	8,970934E+21	8,970911E+21	6,679751E+21	3,692429E+21	1,288604E+21	1,126054E+20	0,000000E+00	0,000000E+00	1,126203E+20	1,288729E+21
-2807	3,692695E+21	6,680005E+21	8,970911E+21	8,970618E+21	6,679425E+21	3,692254E+21	1,288500E+21	1,125710E+20	0,000000E+00	0,000000E+00	1,126100E+20	1,288629E+21
-2806	3,692321E+21	6,679435E+21	8,970672E+21	8,970839E+21	6,679809E+21	3,692579E+21	1,288742E+21	1,126258E+20	0,000000E+00	0,000000E+00	1,125773E+20	1,288514E+21
-2805	3,692408E+21	6,679875E+21	8,971072E+21	8,970962E+21	6,679663E+21	3,692316E+21	1,288535E+21	1,125964E+20	0,000000E+00	0,000000E+00	1,126253E+20	1,288715E+21
-2804	3,692549E+21	6,679800E+21	8,970850E+21	8,970822E+21	6,679725E+21	3,692422E+21	1,288548E+21	1,125618E+20	0,000000E+00	0,000000E+00	1,125678E+20	1,288512E+21
-2803	3,692242E+21	6,679525E+21	8,970976E+21	8,971247E+21	6,680144E+21	3,692687E+21	1,288698E+21	1,125979E+20	0,000000E+00	0,000000E+00	1,125543E+20	1,288545E+21
-2802	3,692637E+21	6,680257E+21	8,971484E+21	8,971363E+21	6,679920E+21	3,692349E+21	1,288419E+21	1,125305E+20	0,000000E+00	0,000000E+00	1,125753E+20	1,288637E+21
-2801	3,692613E+21	6,680106E+21	8,971342E+21	8,971421E+21	6,680212E+21	3,692613E+21	1,288541E+21	1,125148E+20	0,000000E+00	0,000000E+00	1,124945E+20	1,288397E+21
-2800	3,692418E+21	6,680252E+21	8,971891E+21	8,971900E+21	6,680417E+21	3,692646E+21	1,288551E+21	1,125389E+20	0,000000E+00	0,000000E+00	1,125212E+20	1,288549E+21
-2799	3,692816E+21	6,680756E+21	8,972215E+21	8,971989E+21	6,680270E+21	3,692416E+21	1,288337E+21	1,124676E+20	0,000000E+00	0,000000E+00	1,125152E+20	1,288512E+21
-2798	3,692561E+21	6,680307E+21	8,971972E+21	8,972202E+21	6,680717E+21	3,692767E+21	1,288544E+21	1,125011E+20	0,000000E+00	0,000000E+00	1,124660E+20	1,288369E+21
-2797	3,692576E+21	6,680644E+21	8,972305E+21	8,972274E+21	6,680601E+21	3,692595E+21	1,288424E+21	1,125004E+20	0,000000E+00	0,000000E+00	1,125299E+20	1,288599E+21
-2796	3,692819E+21	6,680671E+21	8,972052E+21	8,971905E+21	6,680356E+21	3,692532E+21	1,288391E+21	1,124673E+20	0,000000E+00	0,000000E+00	1,124964E+20	1,288456E+21
-2795	3,692469E+21	6,680141E+21	8,971763E+21	8,971951E+21	6,680590E+21	3,692814E+21	1,288652E+21	1,125536E+20	0,000000E+00	0,000000E+00	1,125079E+20	1,288433E+21
-2794	3,692612E+21	6,680487E+21	8,971899E+21	8,971724E+21	6,680114E+21	3,692413E+21	1,288445E+21	1,125329E+20	0,000000E+00	0,000000E+00	1,125776E+20	1,288639E+21
-2793	3,692594E+21	6,680039E+21	8,971188E+21	8,971162E+21	6,679941E+21	3,692483E+21	1,288545E+21	1,125484E+20	0,000000E+00	0,000000E+00	1,125515E+20	1,288485E+21
-2792	3,692244E+21	6,679583E+21	8,970941E+21	8,971053E+21	6,679921E+21	3,692561E+21	1,288684E+21	1,126187E+20	0,000000E+00	0,000000E+00	1,126036E+20	1,288640E+21
-2791	3,692581E+21	6,679886E+21	8,970864E+21	8,970642E+21	6,679385E+21	3,692184E+21	1,288474E+21	1,125800E+20	0,000000E+00	0,000000E+00	1,126434E+20	1,288739E+21
-2790	3,692419E+21	6,679339E+21	8,970241E+21	8,970354E+21	6,679500E+21	3,692450E+21	1,288705E+21	1,126310E+20	0,000000E+00	0,000000E+00	1,126069E+20	1,288549E+21
-2789	3,692243E+21	6,679395E+21	8,970432E+21	8,970375E+21	6,679374E+21	3,692343E+21	1,288684E+21	1,126571E+20	0,000000E+00	0,000000E+00	1,126626E+20	1,288757E+21
-2788	3,692514E+21	6,679527E+21	8,970306E+21	8,970076E+21	6,679053E+21	3,692154E+21	1,288572E+21	1,126228E+20	0,000000E+00	0,000000E+00	1,126536E+20	1,288670E+21
-2787	3,692178E+21	6,678960E+21	8,969985E+21	8,970257E+21	6,679500E+21	3,692528E+21	1,288814E+21	1,126738E+20	0,000000E+00	0,000000E+00	1,126235E+20	1,288561E+21
-2786	3,692251E+21	6,679411E+21	8,970424E+21	8,970367E+21	6,679310E+21	3,692253E+21	1,288605E+21	1,126416E+20	0,000000E+00	0,000000E+00	1,126715E+20	1,288794E+21
-2785	3,692481E+21	6,679398E+21	8,970199E+21	8,970185E+21	6,679301E+21	3,692294E+21	1,288581E+21	1,125962E+20	0,000000E+00	0,000000E+00	1,126109E+20	1,288590E+21

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°
-2784	3,692215E+21	6,679231E+21	8,970390E+21	8,970618E+21	6,679714E+21	3,692548E+21	1,288729E+21	1,126303E+20	0,000000E+00	0,000000E+00	1,125911E+20	1,288595E+21
-2783	3,692569E+21	6,679996E+21	8,971024E+21	8,970831E+21	6,679542E+21	3,692245E+21	1,288466E+21	1,125675E+20	0,000000E+00	0,000000E+00	1,126139E+20	1,288693E+21
-2782	3,692533E+21	6,679839E+21	8,970984E+21	8,971027E+21	6,679889E+21	3,692503E+21	1,288585E+21	1,125539E+20	0,000000E+00	0,000000E+00	1,125305E+20	1,288436E+21
-2781	3,692311E+21	6,679922E+21	8,971440E+21	8,971493E+21	6,680144E+21	3,692563E+21	1,288597E+21	1,125785E+20	0,000000E+00	0,000000E+00	1,125623E+20	1,288600E+21
-2780	3,692683E+21	6,680309E+21	8,971593E+21	8,971440E+21	6,679931E+21	3,692333E+21	1,288391E+21	1,125094E+20	0,000000E+00	0,000000E+00	1,125568E+20	1,288579E+21
-2779	3,692497E+21	6,679914E+21	8,971271E+21	8,971547E+21	6,680363E+21	3,692716E+21	1,288621E+21	1,125490E+20	0,000000E+00	0,000000E+00	1,125105E+20	1,288414E+21
-2778	3,692455E+21	6,680250E+21	8,971669E+21	8,971609E+21	6,680186E+21	3,692525E+21	1,288519E+21	1,125549E+20	0,000000E+00	0,000000E+00	1,125761E+20	1,288653E+21
-2777	3,692708E+21	6,680255E+21	8,971406E+21	8,971213E+21	6,679851E+21	3,692376E+21	1,288451E+21	1,125195E+20	0,000000E+00	0,000000E+00	1,125488E+20	1,288517E+21
-2776	3,692342E+21	6,679682E+21	8,971048E+21	8,971242E+21	6,680080E+21	3,692640E+21	1,288702E+21	1,126041E+20	0,000000E+00	0,000000E+00	1,125626E+20	1,288499E+21
-2775	3,692453E+21	6,679979E+21	8,971155E+21	8,971014E+21	6,679653E+21	3,692281E+21	1,288501E+21	1,125830E+20	0,000000E+00	0,000000E+00	1,126364E+20	1,288735E+21
-2774	3,692484E+21	6,679575E+21	8,970511E+21	8,970479E+21	6,679474E+21	3,692350E+21	1,288602E+21	1,125983E+20	0,000000E+00	0,000000E+00	1,126047E+20	1,288566E+21
-2773	3,692158E+21	6,679164E+21	8,970263E+21	8,970378E+21	6,679479E+21	3,692448E+21	1,288751E+21	1,126684E+20	0,000000E+00	0,000000E+00	1,126539E+20	1,288705E+21
-2772	3,692461E+21	6,679428E+21	8,970138E+21	8,969912E+21	6,678916E+21	3,692077E+21	1,288557E+21	1,126360E+20	0,000000E+00	0,000000E+00	1,126913E+20	1,288796E+21
-2771	3,692315E+21	6,678927E+21	8,969553E+21	8,969665E+21	6,679083E+21	3,692373E+21	1,288800E+21	1,126906E+20	0,000000E+00	0,000000E+00	1,126571E+20	1,288587E+21
-2770	3,692063E+21	6,678922E+21	8,969804E+21	8,969776E+21	6,678975E+21	3,692253E+21	1,288774E+21	1,127161E+20	0,000000E+00	0,000000E+00	1,127149E+20	1,288826E+21
-2769	3,692378E+21	6,679017E+21	8,969585E+21	8,969423E+21	6,678622E+21	3,692013E+21	1,288613E+21	1,126689E+20	0,000000E+00	0,000000E+00	1,127072E+20	1,288756E+21
-2768	3,692091E+21	6,678521E+21	8,969260E+21	8,969567E+21	6,679057E+21	3,692389E+21	1,288845E+21	1,127097E+20	0,000000E+00	0,000000E+00	1,126695E+20	1,288638E+21
-2767	3,692177E+21	6,679043E+21	8,969798E+21	8,969731E+21	6,678912E+21	3,692155E+21	1,288649E+21	1,126769E+20	0,000000E+00	0,000000E+00	1,127122E+20	1,288863E+21
-2766	3,692433E+21	6,679148E+21	8,969770E+21	8,969669E+21	6,678932E+21	3,692194E+21	1,288629E+21	1,126317E+20	0,000000E+00	0,000000E+00	1,126422E+20	1,288623E+21
-2765	3,692145E+21	6,679007E+21	8,970034E+21	8,970202E+21	6,679399E+21	3,692456E+21	1,288778E+21	1,126675E+20	0,000000E+00	0,000000E+00	1,126236E+20	1,288619E+21
-2764	3,692430E+21	6,679623E+21	8,970528E+21	8,970374E+21	6,679235E+21	3,692156E+21	1,288519E+21	1,126086E+20	0,000000E+00	0,000000E+00	1,126494E+20	1,288734E+21
-2763	3,692431E+21	6,679470E+21	8,970408E+21	8,970528E+21	6,679627E+21	3,692455E+21	1,288644E+21	1,125965E+20	0,000000E+00	0,000000E+00	1,125717E+20	1,288483E+21
-2762	3,692186E+21	6,679528E+21	8,970877E+21	8,970963E+21	6,679822E+21	3,692502E+21	1,288666E+21	1,126230E+20	0,000000E+00	0,000000E+00	1,126059E+20	1,288671E+21
-2761	3,692609E+21	6,679902E+21	8,970939E+21	8,970805E+21	6,679517E+21	3,692212E+21	1,288438E+21	1,125509E+20	0,000000E+00	0,000000E+00	1,126020E+20	1,288646E+21
-2760	3,692433E+21	6,679569E+21	8,970629E+21	8,970857E+21	6,679895E+21	3,692584E+21	1,288678E+21	1,125934E+20	0,000000E+00	0,000000E+00	1,125565E+20	1,288465E+21
-2759	3,692321E+21	6,679853E+21	8,971069E+21	8,970962E+21	6,679736E+21	3,692411E+21	1,288592E+21	1,126060E+20	0,000000E+00	0,000000E+00	1,126262E+20	1,288711E+21
-2758	3,692559E+21	6,679825E+21	8,970825E+21	8,970614E+21	6,679419E+21	3,692244E+21	1,288515E+21	1,125728E+20	0,000000E+00	0,000000E+00	1,126010E+20	1,288583E+21
-2757	3,692204E+21	6,679209E+21	8,970356E+21	8,970582E+21	6,679653E+21	3,692515E+21	1,288759E+21	1,126553E+20	0,000000E+00	0,000000E+00	1,126181E+20	1,288576E+21
-2756	3,692305E+21	6,679412E+21	8,970311E+21	8,970225E+21	6,679169E+21	3,692160E+21	1,288569E+21	1,126369E+20	0,000000E+00	0,000000E+00	1,126905E+20	1,288825E+21
-2755	3,692414E+21	6,679116E+21	8,969688E+21	8,969679E+21	6,679010E+21	3,692253E+21	1,288685E+21	1,126568E+20	0,000000E+00	0,000000E+00	1,126588E+20	1,288628E+21
-2754	3,692036E+21	6,678736E+21	8,969585E+21	8,969653E+21	6,679000E+21	3,692344E+21	1,288846E+21	1,127290E+20	0,000000E+00	0,000000E+00	1,127060E+20	1,288771E+21
-2753	3,692342E+21	6,678972E+21	8,969464E+21	8,969222E+21	6,678420E+21	3,691925E+21	1,288622E+21	1,126920E+20	0,000000E+00	0,000000E+00	1,127463E+20	1,288861E+21
-2752	3,692187E+21	6,678477E+21	8,968869E+21	8,968996E+21	6,678621E+21	3,692227E+21	1,288850E+21	1,127378E+20	0,000000E+00	0,000000E+00	1,127112E+20	1,288656E+21
-2751	3,691913E+21	6,678446E+21	8,969136E+21	8,969147E+21	6,678588E+21	3,692158E+21	1,288826E+21	1,127587E+20	0,000000E+00	0,000000E+00	1,127658E+20	1,288907E+21
-2750	3,692284E+21	6,678628E+21	8,969008E+21	8,968843E+21	6,678249E+21	3,691916E+21	1,288658E+21	1,127064E+20	0,000000E+00	0,000000E+00	1,127500E+20	1,288825E+21
-2749	3,692037E+21	6,678200E+21	8,968696E+21	8,968992E+21	6,678701E+21	3,692300E+21	1,288891E+21	1,127448E+20	0,000000E+00	0,000000E+00	1,127044E+20	1,288681E+21

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°
-2748	3,692082E+21	6,678686E+21	8,969225E+21	8,969134E+21	6,678541E+21	3,692073E+21	1,288715E+21	1,127191E+20	0,000000E+00	0,000000E+00	1,127442E+20	1,288898E+21
-2747	3,692356E+21	6,678846E+21	8,969265E+21	8,969148E+21	6,678599E+21	3,692119E+21	1,288703E+21	1,126794E+20	0,000000E+00	0,000000E+00	1,126780E+20	1,288643E+21
-2746	3,691993E+21	6,678635E+21	8,969569E+21	8,969751E+21	6,679085E+21	3,692372E+21	1,288844E+21	1,127150E+20	0,000000E+00	0,000000E+00	1,126646E+20	1,288676E+21
-2745	3,692320E+21	6,679201E+21	8,969944E+21	8,969837E+21	6,678883E+21	3,692038E+21	1,288553E+21	1,126479E+20	0,000000E+00	0,000000E+00	1,126948E+20	1,288807E+21
-2744	3,692368E+21	6,679111E+21	8,969795E+21	8,969909E+21	6,679226E+21	3,692336E+21	1,288675E+21	1,126305E+20	0,000000E+00	0,000000E+00	1,126155E+20	1,288552E+21
-2743	3,692111E+21	6,679182E+21	8,970302E+21	8,970370E+21	6,679454E+21	3,692419E+21	1,288718E+21	1,126610E+20	0,000000E+00	0,000000E+00	1,126476E+20	1,288726E+21
-2742	3,692528E+21	6,679613E+21	8,970477E+21	8,970258E+21	6,679132E+21	3,692110E+21	1,288495E+21	1,125936E+20	0,000000E+00	0,000000E+00	1,126416E+20	1,288684E+21
-2741	3,692320E+21	6,679224E+21	8,970125E+21	8,970312E+21	6,679509E+21	3,692473E+21	1,288737E+21	1,126403E+20	0,000000E+00	0,000000E+00	1,126014E+20	1,288506E+21
-2740	3,692141E+21	6,679321E+21	8,970364E+21	8,970318E+21	6,679333E+21	3,692307E+21	1,288662E+21	1,126582E+20	0,000000E+00	0,000000E+00	1,126763E+20	1,288779E+21
-2739	3,692432E+21	6,679315E+21	8,970036E+21	8,969893E+21	6,679010E+21	3,692156E+21	1,288592E+21	1,126289E+20	0,000000E+00	0,000000E+00	1,126578E+20	1,288661E+21
-2738	3,692070E+21	6,678704E+21	8,969607E+21	8,969839E+21	6,679182E+21	3,692405E+21	1,288836E+21	1,127109E+20	0,000000E+00	0,000000E+00	1,126756E+20	1,288677E+21
-2737	3,692235E+21	6,678931E+21	8,969506E+21	8,969403E+21	6,678631E+21	3,692005E+21	1,288629E+21	1,126900E+20	0,000000E+00	0,000000E+00	1,127473E+20	1,288911E+21
-2736	3,692351E+21	6,678732E+21	8,968978E+21	8,968873E+21	6,678451E+21	3,692097E+21	1,288750E+21	1,127100E+20	0,000000E+00	0,000000E+00	1,127146E+20	1,288696E+21
-2735	3,691907E+21	6,678307E+21	8,968960E+21	8,968986E+21	6,678530E+21	3,692218E+21	1,288919E+21	1,127838E+20	0,000000E+00	0,000000E+00	1,127605E+20	1,288833E+21
-2734	3,692193E+21	6,678527E+21	8,968872E+21	8,968633E+21	6,678014E+21	3,691806E+21	1,288685E+21	1,127446E+20	0,000000E+00	0,000000E+00	1,127986E+20	1,288927E+21
-2733	3,692057E+21	6,678021E+21	8,968218E+21	8,968377E+21	6,678241E+21	3,692131E+21	1,288905E+21	1,127829E+20	0,000000E+00	0,000000E+00	1,127595E+20	1,288722E+21
-2732	3,691774E+21	6,677915E+21	8,968367E+21	8,968433E+21	6,678178E+21	3,692077E+21	1,288896E+21	1,128049E+20	0,000000E+00	0,000000E+00	1,128068E+20	1,288965E+21
-2731	3,692206E+21	6,678223E+21	8,968308E+21	8,968165E+21	6,677872E+21	3,691852E+21	1,288739E+21	1,127556E+20	0,000000E+00	0,000000E+00	1,127885E+20	1,288857E+21
-2730	3,691922E+21	6,677857E+21	8,968181E+21	8,968414E+21	6,678303E+21	3,692208E+21	1,288966E+21	1,127931E+20	0,000000E+00	0,000000E+00	1,127419E+20	1,288726E+21
-2729	3,691980E+21	6,678303E+21	8,968682E+21	8,968577E+21	6,678134E+21	3,691936E+21	1,288761E+21	1,127632E+20	0,000000E+00	0,000000E+00	1,127857E+20	1,288946E+21
-2728	3,692262E+21	6,678498E+21	8,968748E+21	8,968623E+21	6,678223E+21	3,691990E+21	1,288731E+21	1,127150E+20	0,000000E+00	0,000000E+00	1,127220E+20	1,288706E+21
-2727	3,691891E+21	6,678274E+21	8,969068E+21	8,969265E+21	6,678769E+21	3,692285E+21	1,288877E+21	1,127478E+20	0,000000E+00	0,000000E+00	1,127076E+20	1,288746E+21
-2726	3,692255E+21	6,678899E+21	8,969487E+21	8,969364E+21	6,678575E+21	3,691956E+21	1,288590E+21	1,126798E+20	0,000000E+00	0,000000E+00	1,127331E+20	1,288866E+21
-2725	3,692324E+21	6,678838E+21	8,969316E+21	8,969392E+21	6,678904E+21	3,692259E+21	1,288718E+21	1,126642E+20	0,000000E+00	0,000000E+00	1,126519E+20	1,288593E+21
-2724	3,692000E+21	6,678788E+21	8,969714E+21	8,969765E+21	6,679082E+21	3,692350E+21	1,288793E+21	1,127067E+20	0,000000E+00	0,000000E+00	1,126856E+20	1,288760E+21
-2723	3,692406E+21	6,679204E+21	8,969871E+21	8,969676E+21	6,678769E+21	3,692032E+21	1,288582E+21	1,126491E+20	0,000000E+00	0,000000E+00	1,126880E+20	1,288724E+21
-2722	3,692148E+21	6,678736E+21	8,969482E+21	8,969692E+21	6,679096E+21	3,692364E+21	1,288813E+21	1,126969E+20	0,000000E+00	0,000000E+00	1,126562E+20	1,288593E+21
-2721	3,692025E+21	6,678776E+21	8,969555E+21	8,969543E+21	6,678835E+21	3,692159E+21	1,288714E+21	1,127095E+20	0,000000E+00	0,000000E+00	1,127347E+20	1,288877E+21
-2720	3,692370E+21	6,678867E+21	8,969253E+21	8,969059E+21	6,678448E+21	3,691997E+21	1,288642E+21	1,126770E+20	0,000000E+00	0,000000E+00	1,127157E+20	1,288753E+21
-2719	3,691995E+21	6,678298E+21	8,968922E+21	8,969087E+21	6,678678E+21	3,692275E+21	1,288898E+21	1,127605E+20	0,000000E+00	0,000000E+00	1,127291E+20	1,288747E+21
-2718	3,692148E+21	6,678590E+21	8,968959E+21	8,968752E+21	6,678164E+21	3,691878E+21	1,288698E+21	1,127433E+20	0,000000E+00	0,000000E+00	1,127976E+20	1,288963E+21
-2717	3,692225E+21	6,678327E+21	8,968405E+21	8,968277E+21	6,678032E+21	3,691979E+21	1,288815E+21	1,127628E+20	0,000000E+00	0,000000E+00	1,127657E+20	1,288742E+21
-2716	3,691714E+21	6,677731E+21	8,968211E+21	8,968329E+21	6,678142E+21	3,692137E+21	1,289000E+21	1,128385E+20	0,000000E+00	0,000000E+00	1,128107E+20	1,288892E+21
-2715	3,692046E+21	6,677992E+21	8,968095E+21	8,967947E+21	6,677634E+21	3,691740E+21	1,288773E+21	1,128011E+20	0,000000E+00	0,000000E+00	1,128498E+20	1,288986E+21
-2714	3,691908E+21	6,677508E+21	8,967490E+21	8,967676E+21	6,677808E+21	3,692045E+21	1,288987E+21	1,128346E+20	0,000000E+00	0,000000E+00	1,128080E+20	1,288803E+21
-2713	3,691696E+21	6,677451E+21	8,967610E+21	8,967671E+21	6,677690E+21	3,691947E+21	1,288954E+21	1,128516E+20	0,000000E+00	0,000000E+00	1,128521E+20	1,289026E+21

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°
-2712	3,692144E+21	6,677892E+21	8,967708E+21	8,967457E+21	6,677363E+21	3,691708E+21	1,288791E+21	1,127984E+20	0,000000E+00	0,000000E+00	1,128336E+20	1,288912E+21
-2711	3,691821E+21	6,677519E+21	8,967704E+21	8,967896E+21	6,677907E+21	3,692078E+21	1,289006E+21	1,128331E+20	0,000000E+00	0,000000E+00	1,127859E+20	1,288784E+21
-2710	3,691891E+21	6,677995E+21	8,968251E+21	8,968138E+21	6,677815E+21	3,691822E+21	1,288790E+21	1,127999E+20	0,000000E+00	0,000000E+00	1,128285E+20	1,289011E+21
-2709	3,692194E+21	6,678182E+21	8,968280E+21	8,968167E+21	6,677928E+21	3,691900E+21	1,288755E+21	1,127453E+20	0,000000E+00	0,000000E+00	1,127604E+20	1,288764E+21
-2708	3,691805E+21	6,677880E+21	8,968483E+21	8,968721E+21	6,678459E+21	3,692231E+21	1,288932E+21	1,127836E+20	0,000000E+00	0,000000E+00	1,127415E+20	1,288788E+21
-2707	3,692189E+21	6,678569E+21	8,968931E+21	8,968827E+21	6,678272E+21	3,691916E+21	1,288670E+21	1,127247E+20	0,000000E+00	0,000000E+00	1,127668E+20	1,288882E+21
-2706	3,692190E+21	6,678487E+21	8,968833E+21	8,968866E+21	6,678540E+21	3,692189E+21	1,288802E+21	1,127132E+20	0,000000E+00	0,000000E+00	1,126922E+20	1,288640E+21
-2705	3,691874E+21	6,678323E+21	8,969067E+21	8,969140E+21	6,678657E+21	3,692226E+21	1,288853E+21	1,127557E+20	0,000000E+00	0,000000E+00	1,127339E+20	1,288815E+21
-2704	3,692286E+21	6,678759E+21	8,969194E+21	8,968985E+21	6,678299E+21	3,691898E+21	1,288631E+21	1,126942E+20	0,000000E+00	0,000000E+00	1,127436E+20	1,288811E+21
-2703	3,692044E+21	6,678287E+21	8,968812E+21	8,969017E+21	6,678639E+21	3,692232E+21	1,288856E+21	1,127411E+20	0,000000E+00	0,000000E+00	1,127122E+20	1,288687E+21
-2702	3,691965E+21	6,678397E+21	8,968919E+21	8,968865E+21	6,678371E+21	3,692024E+21	1,288764E+21	1,127550E+20	0,000000E+00	0,000000E+00	1,127859E+20	1,288956E+21
-2701	3,692318E+21	6,678521E+21	8,968646E+21	8,968386E+21	6,677991E+21	3,691873E+21	1,288699E+21	1,127258E+20	0,000000E+00	0,000000E+00	1,127643E+20	1,288806E+21
-2700	3,691863E+21	6,677837E+21	8,968241E+21	8,968377E+21	6,678212E+21	3,692179E+21	1,288992E+21	1,128192E+20	0,000000E+00	0,000000E+00	1,127775E+20	1,288785E+21
-2699	3,691977E+21	6,678075E+21	8,968256E+21	8,968113E+21	6,677763E+21	3,691799E+21	1,288807E+21	1,128106E+20	0,000000E+00	0,000000E+00	1,128510E+20	1,289003E+21
-2698	3,692013E+21	6,677744E+21	8,967668E+21	8,967609E+21	6,677611E+21	3,691888E+21	1,288908E+21	1,128259E+20	0,000000E+00	0,000000E+00	1,128263E+20	1,288834E+21
-2697	3,691575E+21	6,677103E+21	8,967290E+21	8,967494E+21	6,677638E+21	3,692009E+21	1,289066E+21	1,128926E+20	0,000000E+00	0,000000E+00	1,128687E+20	1,288981E+21
-2696	3,691959E+21	6,677510E+21	8,967271E+21	8,967091E+21	6,677076E+21	3,691597E+21	1,288830E+21	1,128480E+20	0,000000E+00	0,000000E+00	1,129042E+20	1,289072E+21
-2695	3,691837E+21	6,677124E+21	8,966838E+21	8,966951E+21	6,677301E+21	3,691900E+21	1,289035E+21	1,128779E+20	0,000000E+00	0,000000E+00	1,128546E+20	1,288865E+21
-2694	3,691632E+21	6,677173E+21	8,967132E+21	8,967092E+21	6,677242E+21	3,691803E+21	1,288998E+21	1,128937E+20	0,000000E+00	0,000000E+00	1,128938E+20	1,289075E+21
-2693	3,692062E+21	6,677600E+21	8,967280E+21	8,967005E+21	6,677018E+21	3,691584E+21	1,288820E+21	1,128353E+20	0,000000E+00	0,000000E+00	1,128732E+20	1,288955E+21
-2692	3,691695E+21	6,677116E+21	8,967170E+21	8,967424E+21	6,677621E+21	3,692009E+21	1,289053E+21	1,128697E+20	0,000000E+00	0,000000E+00	1,128236E+20	1,288834E+21
-2691	3,691801E+21	6,677624E+21	8,967716E+21	8,967693E+21	6,677576E+21	3,691791E+21	1,288858E+21	1,128410E+20	0,000000E+00	0,000000E+00	1,128651E+20	1,289051E+21
-2690	3,692088E+21	6,677820E+21	8,967770E+21	8,967695E+21	6,677640E+21	3,691855E+21	1,288823E+21	1,127846E+20	0,000000E+00	0,000000E+00	1,127975E+20	1,288825E+21
-2689	3,691742E+21	6,677501E+21	8,967854E+21	8,968101E+21	6,678076E+21	3,692145E+21	1,288994E+21	1,128252E+20	0,000000E+00	0,000000E+00	1,127792E+20	1,288824E+21
-2688	3,692094E+21	6,678240E+21	8,968388E+21	8,968198E+21	6,677815E+21	3,691801E+21	1,288733E+21	1,127679E+20	0,000000E+00	0,000000E+00	1,128103E+20	1,288927E+21
-2687	3,692056E+21	6,678090E+21	8,968298E+21	8,968319E+21	6,678124E+21	3,692057E+21	1,288853E+21	1,127583E+20	0,000000E+00	0,000000E+00	1,127411E+20	1,288706E+21
-2686	3,691774E+21	6,677947E+21	8,968488E+21	8,968560E+21	6,678249E+21	3,692093E+21	1,288895E+21	1,127994E+20	0,000000E+00	0,000000E+00	1,127856E+20	1,288899E+21
-2685	3,692216E+21	6,678370E+21	8,968558E+21	8,968342E+21	6,677876E+21	3,691770E+21	1,288666E+21	1,127352E+20	0,000000E+00	0,000000E+00	1,127922E+20	1,288886E+21
-2684	3,691954E+21	6,677835E+21	8,968091E+21	8,968313E+21	6,678202E+21	3,692131E+21	1,288922E+21	1,127887E+20	0,000000E+00	0,000000E+00	1,127585E+20	1,288746E+21
-2683	3,691879E+21	6,677996E+21	8,968263E+21	8,968215E+21	6,677955E+21	3,691938E+21	1,288859E+21	1,128139E+20	0,000000E+00	0,000000E+00	1,128319E+20	1,288987E+21
-2682	3,692149E+21	6,678058E+21	8,968033E+21	8,967765E+21	6,677552E+21	3,691774E+21	1,288797E+21	1,127889E+20	0,000000E+00	0,000000E+00	1,128187E+20	1,288868E+21
-2681	3,691697E+21	6,677256E+21	8,967436E+21	8,967643E+21	6,677734E+21	3,692052E+21	1,289071E+21	1,128798E+20	0,000000E+00	0,000000E+00	1,128374E+20	1,288853E+21
-2680	3,691816E+21	6,677526E+21	8,967439E+21	8,967304E+21	6,677237E+21	3,691671E+21	1,288878E+21	1,128651E+20	0,000000E+00	0,000000E+00	1,129144E+20	1,289097E+21
-2679	3,691882E+21	6,677208E+21	8,966873E+21	8,966836E+21	6,677104E+21	3,691755E+21	1,288965E+21	1,128750E+20	0,000000E+00	0,000000E+00	1,128867E+20	1,288935E+21
-2678	3,691521E+21	6,676700E+21	8,966555E+21	8,966731E+21	6,677130E+21	3,691863E+21	1,289114E+21	1,129370E+20	0,000000E+00	0,000000E+00	1,129203E+20	1,289064E+21
-2677	3,691913E+21	6,677179E+21	8,966647E+21	8,966390E+21	6,676596E+21	3,691455E+21	1,288873E+21	1,128910E+20	0,000000E+00	0,000000E+00	1,129477E+20	1,289123E+21

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°
-2676	3,691730E+21	6,676741E+21	8,966256E+21	8,966335E+21	6,676870E+21	3,691784E+21	1,289100E+21	1,129249E+20	0,000000E+00	0,000000E+00	1,128949E+20	1,288904E+21
-2675	3,691510E+21	6,676784E+21	8,966609E+21	8,966627E+21	6,676922E+21	3,691718E+21	1,289076E+21	1,129467E+20	0,000000E+00	0,000000E+00	1,129345E+20	1,289108E+21
-2674	3,691904E+21	6,677173E+21	8,966754E+21	8,966555E+21	6,676732E+21	3,691524E+21	1,288891E+21	1,128829E+20	0,000000E+00	0,000000E+00	1,129176E+20	1,289026E+21
-2673	3,691599E+21	6,676664E+21	8,966491E+21	8,966817E+21	6,677265E+21	3,691930E+21	1,289109E+21	1,129105E+20	0,000000E+00	0,000000E+00	1,128649E+20	1,288890E+21
-2672	3,691726E+21	6,677280E+21	8,967114E+21	8,967053E+21	6,677171E+21	3,691710E+21	1,288917E+21	1,128787E+20	0,000000E+00	0,000000E+00	1,129047E+20	1,289099E+21
-2671	3,692001E+21	6,677505E+21	8,967267E+21	8,967152E+21	6,677258E+21	3,691755E+21	1,288874E+21	1,128224E+20	0,000000E+00	0,000000E+00	1,128359E+20	1,288867E+21
-2670	3,691664E+21	6,677221E+21	8,967374E+21	8,967584E+21	6,677690E+21	3,692021E+21	1,289039E+21	1,128649E+20	0,000000E+00	0,000000E+00	1,128195E+20	1,288869E+21
-2669	3,691984E+21	6,677891E+21	8,967889E+21	8,967715E+21	6,677467E+21	3,691676E+21	1,288763E+21	1,128056E+20	0,000000E+00	0,000000E+00	1,128523E+20	1,288979E+21
-2668	3,691927E+21	6,677649E+21	8,967670E+21	8,967742E+21	6,677757E+21	3,691958E+21	1,288901E+21	1,127998E+20	0,000000E+00	0,000000E+00	1,127862E+20	1,288774E+21
-2667	3,691678E+21	6,677522E+21	8,967848E+21	8,967985E+21	6,677889E+21	3,692012E+21	1,288968E+21	1,128487E+20	0,000000E+00	0,000000E+00	1,128308E+20	1,288956E+21
-2666	3,692108E+21	6,677958E+21	8,967929E+21	8,967733E+21	6,677486E+21	3,691688E+21	1,288745E+21	1,127864E+20	0,000000E+00	0,000000E+00	1,128415E+20	1,288963E+21
-2665	3,691871E+21	6,677393E+21	8,967340E+21	8,967546E+21	6,677710E+21	3,692013E+21	1,288998E+21	1,128438E+20	0,000000E+00	0,000000E+00	1,128101E+20	1,288799E+21
-2664	3,691751E+21	6,677566E+21	8,967582E+21	8,967463E+21	6,677425E+21	3,691809E+21	1,288942E+21	1,128709E+20	0,000000E+00	0,000000E+00	1,128893E+20	1,289051E+21
-2663	3,691982E+21	6,677541E+21	8,967326E+21	8,967095E+21	6,677074E+21	3,691629E+21	1,288864E+21	1,128465E+20	0,000000E+00	0,000000E+00	1,128820E+20	1,288956E+21
-2662	3,691581E+21	6,676769E+21	8,966652E+21	8,966893E+21	6,677245E+21	3,691908E+21	1,289127E+21	1,129321E+20	0,000000E+00	0,000000E+00	1,128996E+20	1,288954E+21
-2661	3,691719E+21	6,677047E+21	8,966666E+21	8,966537E+21	6,676739E+21	3,691528E+21	1,288923E+21	1,129121E+20	0,000000E+00	0,000000E+00	1,129673E+20	1,289177E+21
-2660	3,691782E+21	6,676733E+21	8,966088E+21	8,966047E+21	6,676605E+21	3,691636E+21	1,289035E+21	1,129248E+20	0,000000E+00	0,000000E+00	1,129338E+20	1,288995E+21
-2659	3,691429E+21	6,676309E+21	8,965918E+21	8,966075E+21	6,676689E+21	3,691761E+21	1,289203E+21	1,129936E+20	0,000000E+00	0,000000E+00	1,129616E+20	1,289092E+21
-2658	3,691757E+21	6,676770E+21	8,966100E+21	8,965845E+21	6,676211E+21	3,691362E+21	1,288957E+21	1,129467E+20	0,000000E+00	0,000000E+00	1,129940E+20	1,289178E+21
-2657	3,691592E+21	6,676267E+21	8,965584E+21	8,965732E+21	6,676484E+21	3,691675E+21	1,289160E+21	1,129741E+20	0,000000E+00	0,000000E+00	1,129426E+20	1,288961E+21
-2656	3,691388E+21	6,676373E+21	8,965995E+21	8,966012E+21	6,676529E+21	3,691627E+21	1,289131E+21	1,129891E+20	0,000000E+00	0,000000E+00	1,129830E+20	1,289181E+21
-2655	3,691801E+21	6,676763E+21	8,966172E+21	8,966022E+21	6,676384E+21	3,691432E+21	1,288936E+21	1,129202E+20	0,000000E+00	0,000000E+00	1,129622E+20	1,289099E+21
-2654	3,691567E+21	6,676389E+21	8,965939E+21	8,966252E+21	6,676900E+21	3,691829E+21	1,289148E+21	1,129442E+20	0,000000E+00	0,000000E+00	1,129040E+20	1,288948E+21
-2653	3,691666E+21	6,677016E+21	8,966630E+21	8,966504E+21	6,676796E+21	3,691601E+21	1,288954E+21	1,129132E+20	0,000000E+00	0,000000E+00	1,129371E+20	1,289122E+21
-2652	3,691869E+21	6,677141E+21	8,966750E+21	8,966629E+21	6,676899E+21	3,691660E+21	1,288932E+21	1,128633E+20	0,000000E+00	0,000000E+00	1,128724E+20	1,288904E+21
-2651	3,691539E+21	6,676833E+21	8,966846E+21	8,967125E+21	6,677378E+21	3,691930E+21	1,289104E+21	1,129133E+20	0,000000E+00	0,000000E+00	1,128610E+20	1,288915E+21
-2650	3,691841E+21	6,677452E+21	8,967289E+21	8,967187E+21	6,677144E+21	3,691599E+21	1,288826E+21	1,128519E+20	0,000000E+00	0,000000E+00	1,129005E+20	1,289068E+21
-2649	3,691850E+21	6,677195E+21	8,966924E+21	8,967032E+21	6,677323E+21	3,691844E+21	1,288953E+21	1,128451E+20	0,000000E+00	0,000000E+00	1,128345E+20	1,288849E+21
-2648	3,691617E+21	6,677170E+21	8,967191E+21	8,967238E+21	6,677393E+21	3,691891E+21	1,289031E+21	1,128951E+20	0,000000E+00	0,000000E+00	1,128798E+20	1,289018E+21
-2647	3,692004E+21	6,677583E+21	8,967339E+21	8,967092E+21	6,677022E+21	3,691559E+21	1,288811E+21	1,128375E+20	0,000000E+00	0,000000E+00	1,128921E+20	1,289021E+21
-2646	3,691772E+21	6,677030E+21	8,966732E+21	8,966904E+21	6,677246E+21	3,691870E+21	1,289059E+21	1,128962E+20	0,000000E+00	0,000000E+00	1,128661E+20	1,288867E+21
-2645	3,691605E+21	6,677099E+21	8,966910E+21	8,966817E+21	6,676993E+21	3,691675E+21	1,288992E+21	1,129208E+20	0,000000E+00	0,000000E+00	1,129430E+20	1,289115E+21
-2644	3,691815E+21	6,676988E+21	8,966533E+21	8,966369E+21	6,676637E+21	3,691530E+21	1,288937E+21	1,128997E+20	0,000000E+00	0,000000E+00	1,129386E+20	1,289041E+21
-2643	3,691463E+21	6,676253E+21	8,965867E+21	8,966177E+21	6,676803E+21	3,691812E+21	1,289216E+21	1,129900E+20	0,000000E+00	0,000000E+00	1,129509E+20	1,289020E+21
-2642	3,691589E+21	6,676559E+21	8,965916E+21	8,965808E+21	6,676286E+21	3,691435E+21	1,289014E+21	1,129702E+20	0,000000E+00	0,000000E+00	1,130186E+20	1,289251E+21
-2641	3,691675E+21	6,676259E+21	8,965302E+21	8,965224E+21	6,676066E+21	3,691501E+21	1,289117E+21	1,129836E+20	0,000000E+00	0,000000E+00	1,129844E+20	1,289047E+21

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°
-2640	3,691292E+21	6,675886E+21	8,965273E+21	8,965348E+21	6,676167E+21	3,691620E+21	1,289278E+21	1,130493E+20	0,000000E+00	0,000000E+00	1,130149E+20	1,289153E+21
-2639	3,691605E+21	6,676301E+21	8,965476E+21	8,965265E+21	6,675808E+21	3,691236E+21	1,289014E+21	1,129984E+20	0,000000E+00	0,000000E+00	1,130496E+20	1,289261E+21
-2638	3,691515E+21	6,675881E+21	8,964933E+21	8,965110E+21	6,676092E+21	3,691557E+21	1,289197E+21	1,130147E+20	0,000000E+00	0,000000E+00	1,129939E+20	1,289049E+21
-2637	3,691324E+21	6,676013E+21	8,965403E+21	8,965427E+21	6,676160E+21	3,691519E+21	1,289160E+21	1,130226E+20	0,000000E+00	0,000000E+00	1,130207E+20	1,289233E+21
-2636	3,691720E+21	6,676413E+21	8,965597E+21	8,965444E+21	6,676030E+21	3,691352E+21	1,288989E+21	1,129563E+20	0,000000E+00	0,000000E+00	1,129957E+20	1,289133E+21
-2635	3,691474E+21	6,676078E+21	8,965467E+21	8,965771E+21	6,676572E+21	3,691755E+21	1,289219E+21	1,129880E+20	0,000000E+00	0,000000E+00	1,129343E+20	1,288961E+21
-2634	3,691509E+21	6,676640E+21	8,966167E+21	8,966078E+21	6,676510E+21	3,691533E+21	1,289021E+21	1,129574E+20	0,000000E+00	0,000000E+00	1,129754E+20	1,289167E+21
-2633	3,691738E+21	6,676701E+21	8,966114E+21	8,966041E+21	6,676538E+21	3,691560E+21	1,288982E+21	1,129056E+20	0,000000E+00	0,000000E+00	1,129161E+20	1,288966E+21
-2632	3,691442E+21	6,676456E+21	8,966247E+21	8,966483E+21	6,676968E+21	3,691827E+21	1,289150E+21	1,129527E+20	0,000000E+00	0,000000E+00	1,129095E+20	1,288997E+21
-2631	3,691765E+21	6,677070E+21	8,966695E+21	8,966599E+21	6,676753E+21	3,691489E+21	1,288872E+21	1,128923E+20	0,000000E+00	0,000000E+00	1,129484E+20	1,289151E+21
-2630	3,691837E+21	6,676923E+21	8,966332E+21	8,966380E+21	6,676888E+21	3,691713E+21	1,288995E+21	1,128861E+20	0,000000E+00	0,000000E+00	1,128823E+20	1,288919E+21
-2629	3,691548E+21	6,676862E+21	8,966660E+21	8,966623E+21	6,676952E+21	3,691757E+21	1,289077E+21	1,129395E+20	0,000000E+00	0,000000E+00	1,129222E+20	1,289051E+21
-2628	3,691845E+21	6,677134E+21	8,966729E+21	8,966492E+21	6,676612E+21	3,691452E+21	1,288887E+21	1,128916E+20	0,000000E+00	0,000000E+00	1,129421E+20	1,289073E+21
-2627	3,691602E+21	6,676520E+21	8,966055E+21	8,966306E+21	6,676863E+21	3,691781E+21	1,289150E+21	1,129582E+20	0,000000E+00	0,000000E+00	1,129207E+20	1,288930E+21
-2626	3,691421E+21	6,676517E+21	8,966123E+21	8,966120E+21	6,676592E+21	3,691601E+21	1,289082E+21	1,129799E+20	0,000000E+00	0,000000E+00	1,130011E+20	1,289205E+21
-2625	3,691689E+21	6,676407E+21	8,965601E+21	8,965472E+21	6,676102E+21	3,691410E+21	1,289018E+21	1,129585E+20	0,000000E+00	0,000000E+00	1,129961E+20	1,289123E+21
-2624	3,691369E+21	6,675804E+21	8,965068E+21	8,965272E+21	6,676212E+21	3,691668E+21	1,289292E+21	1,130463E+20	0,000000E+00	0,000000E+00	1,130070E+20	1,289093E+21
-2623	3,691466E+21	6,676098E+21	8,965221E+21	8,965064E+21	6,675756E+21	3,691281E+21	1,289085E+21	1,130277E+20	0,000000E+00	0,000000E+00	1,130736E+20	1,289321E+21
-2622	3,691585E+21	6,675870E+21	8,964662E+21	8,964548E+21	6,675576E+21	3,691334E+21	1,289163E+21	1,130345E+20	0,000000E+00	0,000000E+00	1,130416E+20	1,289127E+21
-2621	3,691184E+21	6,675472E+21	8,964664E+21	8,964740E+21	6,675747E+21	3,691474E+21	1,289307E+21	1,130915E+20	0,000000E+00	0,000000E+00	1,130629E+20	1,289216E+21
-2620	3,691476E+21	6,675842E+21	8,964825E+21	8,964670E+21	6,675457E+21	3,691159E+21	1,289070E+21	1,130406E+20	0,000000E+00	0,000000E+00	1,130958E+20	1,289330E+21
-2619	3,691428E+21	6,675493E+21	8,964363E+21	8,964588E+21	6,675774E+21	3,691496E+21	1,289266E+21	1,130575E+20	0,000000E+00	0,000000E+00	1,130319E+20	1,289096E+21
-2618	3,691221E+21	6,675640E+21	8,964844E+21	8,964888E+21	6,675852E+21	3,691474E+21	1,289234E+21	1,130652E+20	0,000000E+00	0,000000E+00	1,130561E+20	1,289269E+21
-2617	3,691608E+21	6,676023E+21	8,964985E+21	8,964806E+21	6,675626E+21	3,691262E+21	1,289057E+21	1,130012E+20	0,000000E+00	0,000000E+00	1,130325E+20	1,289163E+21
-2616	3,691349E+21	6,675723E+21	8,964940E+21	8,965165E+21	6,676149E+21	3,691639E+21	1,289276E+21	1,130321E+20	0,000000E+00	0,000000E+00	1,129774E+20	1,289013E+21
-2615	3,691377E+21	6,676208E+21	8,965600E+21	8,965549E+21	6,676156E+21	3,691423E+21	1,289067E+21	1,130005E+20	0,000000E+00	0,000000E+00	1,130227E+20	1,289247E+21
-2614	3,691696E+21	6,676371E+21	8,965522E+21	8,965433E+21	6,676139E+21	3,691432E+21	1,289010E+21	1,129422E+20	0,000000E+00	0,000000E+00	1,129644E+20	1,289056E+21
-2613	3,691409E+21	6,676154E+21	8,965708E+21	8,965889E+21	6,676562E+21	3,691694E+21	1,289172E+21	1,129861E+20	0,000000E+00	0,000000E+00	1,129479E+20	1,289047E+21
-2612	3,691689E+21	6,676739E+21	8,966154E+21	8,966021E+21	6,676384E+21	3,691405E+21	1,288934E+21	1,129347E+20	0,000000E+00	0,000000E+00	1,129872E+20	1,289188E+21
-2611	3,691725E+21	6,676577E+21	8,965856E+21	8,965884E+21	6,676533E+21	3,691631E+21	1,289077E+21	1,129391E+20	0,000000E+00	0,000000E+00	1,129237E+20	1,288945E+21
-2610	3,691367E+21	6,676385E+21	8,966077E+21	8,966108E+21	6,676630E+21	3,691692E+21	1,289164E+21	1,129949E+20	0,000000E+00	0,000000E+00	1,129723E+20	1,289102E+21
-2609	3,691663E+21	6,676554E+21	8,965918E+21	8,965753E+21	6,676177E+21	3,691357E+21	1,288967E+21	1,129491E+20	0,000000E+00	0,000000E+00	1,129997E+20	1,289150E+21
-2608	3,691459E+21	6,675988E+21	8,965241E+21	8,965458E+21	6,676341E+21	3,691669E+21	1,289227E+21	1,130139E+20	0,000000E+00	0,000000E+00	1,129830E+20	1,289030E+21
-2607	3,691311E+21	6,675976E+21	8,965296E+21	8,965308E+21	6,676076E+21	3,691472E+21	1,289155E+21	1,130350E+20	0,000000E+00	0,000000E+00	1,130608E+20	1,289304E+21
-2606	3,691654E+21	6,676012E+21	8,964812E+21	8,964592E+21	6,675518E+21	3,691240E+21	1,289075E+21	1,130116E+20	0,000000E+00	0,000000E+00	1,130549E+20	1,289210E+21
-2605	3,691288E+21	6,675418E+21	8,964422E+21	8,964518E+21	6,675651E+21	3,691479E+21	1,289334E+21	1,130959E+20	0,000000E+00	0,000000E+00	1,130567E+20	1,289145E+21

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°
-2604	3,691321E+21	6,675634E+21	8,964581E+21	8,964423E+21	6,675306E+21	3,691146E+21	1,289151E+21	1,130821E+20	0,000000E+00	0,000000E+00	1,131270E+20	1,289386E+21
-2603	3,691442E+21	6,675397E+21	8,964047E+21	8,963991E+21	6,675207E+21	3,691238E+21	1,289236E+21	1,130893E+20	0,000000E+00	0,000000E+00	1,130926E+20	1,289192E+21
-2602	3,691047E+21	6,674987E+21	8,964008E+21	8,964168E+21	6,675426E+21	3,691421E+21	1,289381E+21	1,131394E+20	0,000000E+00	0,000000E+00	1,131097E+20	1,289281E+21
-2601	3,691371E+21	6,675376E+21	8,964077E+21	8,963949E+21	6,675044E+21	3,691085E+21	1,289146E+21	1,130882E+20	0,000000E+00	0,000000E+00	1,131376E+20	1,289376E+21
-2600	3,691332E+21	6,675139E+21	8,963761E+21	8,963881E+21	6,675329E+21	3,691409E+21	1,289336E+21	1,131019E+20	0,000000E+00	0,000000E+00	1,130719E+20	1,289136E+21
-2599	3,691095E+21	6,675236E+21	8,964301E+21	8,964331E+21	6,675462E+21	3,691371E+21	1,289296E+21	1,131105E+20	0,000000E+00	0,000000E+00	1,130965E+20	1,289312E+21
-2598	3,691520E+21	6,675677E+21	8,964437E+21	8,964247E+21	6,675231E+21	3,691126E+21	1,289090E+21	1,130396E+20	0,000000E+00	0,000000E+00	1,130786E+20	1,289231E+21
-2597	3,691267E+21	6,675382E+21	8,964435E+21	8,964644E+21	6,675774E+21	3,691495E+21	1,289285E+21	1,130628E+20	0,000000E+00	0,000000E+00	1,130174E+20	1,289076E+21
-2596	3,691297E+21	6,675840E+21	8,965062E+21	8,965032E+21	6,675828E+21	3,691339E+21	1,289109E+21	1,130355E+20	0,000000E+00	0,000000E+00	1,130641E+20	1,289315E+21
-2595	3,691646E+21	6,676061E+21	8,965056E+21	8,964969E+21	6,675828E+21	3,691361E+21	1,289069E+21	1,129829E+20	0,000000E+00	0,000000E+00	1,130013E+20	1,289103E+21
-2594	3,691330E+21	6,675833E+21	8,965214E+21	8,965383E+21	6,676254E+21	3,691644E+21	1,289245E+21	1,130305E+20	0,000000E+00	0,000000E+00	1,129862E+20	1,289078E+21
-2593	3,691554E+21	6,676320E+21	8,965535E+21	8,965380E+21	6,675973E+21	3,691322E+21	1,289019E+21	1,129878E+20	0,000000E+00	0,000000E+00	1,130314E+20	1,289222E+21
-2592	3,691567E+21	6,676123E+21	8,965221E+21	8,965211E+21	6,676091E+21	3,691527E+21	1,289153E+21	1,129949E+20	0,000000E+00	0,000000E+00	1,129805E+20	1,289018E+21
-2591	3,691205E+21	6,675800E+21	8,965293E+21	8,965411E+21	6,676202E+21	3,691586E+21	1,289237E+21	1,130509E+20	0,000000E+00	0,000000E+00	1,130331E+20	1,289198E+21
-2590	3,691584E+21	6,676063E+21	8,965086E+21	8,964917E+21	6,675646E+21	3,691209E+21	1,289020E+21	1,129999E+20	0,000000E+00	0,000000E+00	1,130626E+20	1,289262E+21
-2589	3,691408E+21	6,675565E+21	8,964489E+21	8,964617E+21	6,675753E+21	3,691479E+21	1,289264E+21	1,130606E+20	0,000000E+00	0,000000E+00	1,130347E+20	1,289099E+21
-2588	3,691218E+21	6,675543E+21	8,964580E+21	8,964524E+21	6,675544E+21	3,691333E+21	1,289227E+21	1,130886E+20	0,000000E+00	0,000000E+00	1,131109E+20	1,289358E+21
-2587	3,691529E+21	6,675595E+21	8,964239E+21	8,963977E+21	6,675053E+21	3,691110E+21	1,289155E+21	1,130715E+20	0,000000E+00	0,000000E+00	1,131049E+20	1,289255E+21
-2586	3,691124E+21	6,674930E+21	8,963791E+21	8,963941E+21	6,675279E+21	3,691388E+21	1,289411E+21	1,131514E+20	0,000000E+00	0,000000E+00	1,131094E+20	1,289200E+21
-2585	3,691151E+21	6,675079E+21	8,963798E+21	8,963708E+21	6,674890E+21	3,691066E+21	1,289234E+21	1,131387E+20	0,000000E+00	0,000000E+00	1,131810E+20	1,289455E+21
-2584	3,691311E+21	6,674911E+21	8,963324E+21	8,963260E+21	6,674769E+21	3,691157E+21	1,289312E+21	1,131409E+20	0,000000E+00	0,000000E+00	1,131471E+20	1,289272E+21
-2583	3,690940E+21	6,674491E+21	8,963283E+21	8,963495E+21	6,675016E+21	3,691337E+21	1,289455E+21	1,131884E+20	0,000000E+00	0,000000E+00	1,131570E+20	1,289345E+21
-2582	3,691315E+21	6,675024E+21	8,963421E+21	8,963228E+21	6,674568E+21	3,690959E+21	1,289201E+21	1,131327E+20	0,000000E+00	0,000000E+00	1,131835E+20	1,289433E+21
-2581	3,691239E+21	6,674803E+21	8,963241E+21	8,963271E+21	6,674851E+21	3,691240E+21	1,289367E+21	1,131402E+20	0,000000E+00	0,000000E+00	1,131100E+20	1,289173E+21
-2580	3,690966E+21	6,674831E+21	8,963754E+21	8,963812E+21	6,675103E+21	3,691263E+21	1,289345E+21	1,131520E+20	0,000000E+00	0,000000E+00	1,131395E+20	1,289369E+21
-2579	3,691415E+21	6,675298E+21	8,963942E+21	8,963798E+21	6,674930E+21	3,691042E+21	1,289139E+21	1,130807E+20	0,000000E+00	0,000000E+00	1,131200E+20	1,289297E+21
-2578	3,691195E+21	6,675026E+21	8,963912E+21	8,964172E+21	6,675496E+21	3,691437E+21	1,289334E+21	1,130989E+20	0,000000E+00	0,000000E+00	1,130565E+20	1,289135E+21
-2577	3,691234E+21	6,675485E+21	8,964453E+21	8,964418E+21	6,675458E+21	3,691267E+21	1,289175E+21	1,130777E+20	0,000000E+00	0,000000E+00	1,131015E+20	1,289355E+21
-2576	3,691562E+21	6,675756E+21	8,964547E+21	8,964366E+21	6,675427E+21	3,691278E+21	1,289137E+21	1,130283E+20	0,000000E+00	0,000000E+00	1,130423E+20	1,289142E+21
-2575	3,691199E+21	6,675417E+21	8,964670E+21	8,964856E+21	6,675886E+21	3,691555E+21	1,289318E+21	1,130806E+20	0,000000E+00	0,000000E+00	1,130325E+20	1,289124E+21
-2574	3,691441E+21	6,675898E+21	8,964884E+21	8,964735E+21	6,675541E+21	3,691194E+21	1,289071E+21	1,130351E+20	0,000000E+00	0,000000E+00	1,130857E+20	1,289297E+21
-2573	3,691448E+21	6,675667E+21	8,964545E+21	8,964527E+21	6,675615E+21	3,691372E+21	1,289188E+21	1,130373E+20	0,000000E+00	0,000000E+00	1,130329E+20	1,289098E+21
-2572	3,691103E+21	6,675313E+21	8,964547E+21	8,964696E+21	6,675748E+21	3,691475E+21	1,289299E+21	1,130980E+20	0,000000E+00	0,000000E+00	1,130874E+20	1,289283E+21
-2571	3,691503E+21	6,675636E+21	8,964412E+21	8,964226E+21	6,675183E+21	3,691094E+21	1,289095E+21	1,130534E+20	0,000000E+00	0,000000E+00	1,131125E+20	1,289329E+21
-2570	3,691313E+21	6,675154E+21	8,963835E+21	8,963927E+21	6,675293E+21	3,691370E+21	1,289342E+21	1,131154E+20	0,000000E+00	0,000000E+00	1,130844E+20	1,289145E+21
-2569	3,691065E+21	6,675050E+21	8,963849E+21	8,963764E+21	6,675018E+21	3,691203E+21	1,289319E+21	1,131521E+20	0,000000E+00	0,000000E+00	1,131641E+20	1,289406E+21

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°
-2568	3,691354E+21	6,675080E+21	8,963520E+21	8,963253E+21	6,674574E+21	3,690991E+21	1,289238E+21	1,131353E+20	0,000000E+00	0,000000E+00	1,131670E+20	1,289333E+21
-2567	3,690961E+21	6,674341E+21	8,962993E+21	8,963238E+21	6,674854E+21	3,691294E+21	1,289492E+21	1,132103E+20	0,000000E+00	0,000000E+00	1,131706E+20	1,289292E+21
-2566	3,691069E+21	6,674594E+21	8,962983E+21	8,962903E+21	6,674393E+21	3,690945E+21	1,289297E+21	1,131897E+20	0,000000E+00	0,000000E+00	1,132390E+20	1,289548E+21
-2565	3,691242E+21	6,674506E+21	8,962634E+21	8,962521E+21	6,674254E+21	3,690999E+21	1,289354E+21	1,131828E+20	0,000000E+00	0,000000E+00	1,131923E+20	1,289329E+21
-2564	3,690845E+21	6,674093E+21	8,962651E+21	8,962845E+21	6,674578E+21	3,691225E+21	1,289517E+21	1,132326E+20	0,000000E+00	0,000000E+00	1,131991E+20	1,289386E+21
-2563	3,691186E+21	6,674649E+21	8,962937E+21	8,962737E+21	6,674196E+21	3,690850E+21	1,289261E+21	1,131789E+20	0,000000E+00	0,000000E+00	1,132234E+20	1,289474E+21
-2562	3,691112E+21	6,674413E+21	8,962727E+21	8,962811E+21	6,674547E+21	3,691154E+21	1,289414E+21	1,131792E+20	0,000000E+00	0,000000E+00	1,131508E+20	1,289222E+21
-2561	3,690847E+21	6,674413E+21	8,963127E+21	8,963223E+21	6,674746E+21	3,691186E+21	1,289405E+21	1,131940E+20	0,000000E+00	0,000000E+00	1,131812E+20	1,289432E+21
-2560	3,691343E+21	6,674960E+21	8,963384E+21	8,963228E+21	6,674582E+21	3,690973E+21	1,289196E+21	1,131211E+20	0,000000E+00	0,000000E+00	1,131630E+20	1,289368E+21
-2559	3,691139E+21	6,674675E+21	8,963339E+21	8,963626E+21	6,675162E+21	3,691369E+21	1,289396E+21	1,131404E+20	0,000000E+00	0,000000E+00	1,130958E+20	1,289187E+21
-2558	3,691190E+21	6,675203E+21	8,963909E+21	8,963804E+21	6,675040E+21	3,691159E+21	1,289231E+21	1,131200E+20	0,000000E+00	0,000000E+00	1,131432E+20	1,289399E+21
-2557	3,691456E+21	6,675427E+21	8,964067E+21	8,963823E+21	6,674977E+21	3,691114E+21	1,289173E+21	1,130688E+20	0,000000E+00	0,000000E+00	1,130839E+20	1,289182E+21
-2556	3,691053E+21	6,674954E+21	8,964040E+21	8,964296E+21	6,675514E+21	3,691451E+21	1,289378E+21	1,131278E+20	0,000000E+00	0,000000E+00	1,130829E+20	1,289186E+21
-2555	3,691294E+21	6,675427E+21	8,964259E+21	8,964163E+21	6,675169E+21	3,691102E+21	1,289137E+21	1,130847E+20	0,000000E+00	0,000000E+00	1,131356E+20	1,289373E+21
-2554	3,691351E+21	6,675217E+21	8,963846E+21	8,963862E+21	6,675203E+21	3,691279E+21	1,289255E+21	1,130859E+20	0,000000E+00	0,000000E+00	1,130826E+20	1,289164E+21
-2553	3,690999E+21	6,674851E+21	8,963752E+21	8,963875E+21	6,675229E+21	3,691364E+21	1,289387E+21	1,131550E+20	0,000000E+00	0,000000E+00	1,131364E+20	1,289335E+21
-2552	3,691379E+21	6,675210E+21	8,963712E+21	8,963455E+21	6,674665E+21	3,690971E+21	1,289181E+21	1,131152E+20	0,000000E+00	0,000000E+00	1,131673E+20	1,289386E+21
-2551	3,691152E+21	6,674626E+21	8,963114E+21	8,963247E+21	6,674824E+21	3,691241E+21	1,289424E+21	1,131776E+20	0,000000E+00	0,000000E+00	1,131440E+20	1,289217E+21
-2550	3,690938E+21	6,674539E+21	8,963069E+21	8,963009E+21	6,674516E+21	3,691054E+21	1,289381E+21	1,132089E+20	0,000000E+00	0,000000E+00	1,132284E+20	1,289501E+21
-2549	3,691230E+21	6,674578E+21	8,962780E+21	8,962520E+21	6,674056E+21	3,690825E+21	1,289283E+21	1,131838E+20	0,000000E+00	0,000000E+00	1,132264E+20	1,289426E+21
-2548	3,690861E+21	6,673845E+21	8,962219E+21	8,962518E+21	6,674410E+21	3,691194E+21	1,289560E+21	1,132586E+20	0,000000E+00	0,000000E+00	1,132258E+20	1,289374E+21
-2547	3,690971E+21	6,674188E+21	8,962344E+21	8,962244E+21	6,673966E+21	3,690851E+21	1,289372E+21	1,132398E+20	0,000000E+00	0,000000E+00	1,132837E+20	1,289602E+21
-2546	3,691142E+21	6,674129E+21	8,962039E+21	8,961902E+21	6,673845E+21	3,690906E+21	1,289424E+21	1,132296E+20	0,000000E+00	0,000000E+00	1,132339E+20	1,289363E+21
-2545	3,690700E+21	6,673651E+21	8,961990E+21	8,962187E+21	6,674134E+21	3,691111E+21	1,289593E+21	1,132843E+20	0,000000E+00	0,000000E+00	1,132419E+20	1,289430E+21
-2544	3,691039E+21	6,674208E+21	8,962300E+21	8,962140E+21	6,673824E+21	3,690753E+21	1,289322E+21	1,132284E+20	0,000000E+00	0,000000E+00	1,132715E+20	1,289545E+21
-2543	3,691003E+21	6,673968E+21	8,962092E+21	8,962253E+21	6,674210E+21	3,691072E+21	1,289468E+21	1,132225E+20	0,000000E+00	0,000000E+00	1,131967E+20	1,289306E+21
-2542	3,690825E+21	6,674098E+21	8,962516E+21	8,962577E+21	6,674325E+21	3,691069E+21	1,289446E+21	1,132324E+20	0,000000E+00	0,000000E+00	1,132239E+20	1,289500E+21
-2541	3,691300E+21	6,674696E+21	8,962901E+21	8,962667E+21	6,674158E+21	3,690829E+21	1,289228E+21	1,131544E+20	0,000000E+00	0,000000E+00	1,131965E+20	1,289401E+21
-2540	3,691052E+21	6,674380E+21	8,962880E+21	8,963146E+21	6,674820E+21	3,691277E+21	1,289450E+21	1,131793E+20	0,000000E+00	0,000000E+00	1,131331E+20	1,289214E+21
-2539	3,691042E+21	6,674855E+21	8,963487E+21	8,963395E+21	6,674737E+21	3,691073E+21	1,289291E+21	1,131638E+20	0,000000E+00	0,000000E+00	1,131813E+20	1,289430E+21
-2538	3,691307E+21	6,675007E+21	8,963513E+21	8,963352E+21	6,674691E+21	3,691042E+21	1,289227E+21	1,131102E+20	0,000000E+00	0,000000E+00	1,131285E+20	1,289235E+21
-2537	3,690911E+21	6,674464E+21	8,963294E+21	8,963609E+21	6,675105E+21	3,691366E+21	1,289452E+21	1,131773E+20	0,000000E+00	0,000000E+00	1,131324E+20	1,289260E+21
-2536	3,691184E+21	6,674966E+21	8,963511E+21	8,963442E+21	6,674734E+21	3,691009E+21	1,289212E+21	1,131372E+20	0,000000E+00	0,000000E+00	1,131887E+20	1,289455E+21
-2535	3,691261E+21	6,674764E+21	8,963097E+21	8,963117E+21	6,674730E+21	3,691167E+21	1,289333E+21	1,131421E+20	0,000000E+00	0,000000E+00	1,131365E+20	1,289241E+21
-2534	3,690927E+21	6,674459E+21	8,963033E+21	8,963054E+21	6,674648E+21	3,691193E+21	1,289453E+21	1,132117E+20	0,000000E+00	0,000000E+00	1,131937E+20	1,289406E+21
-2533	3,691250E+21	6,674766E+21	8,963053E+21	8,962747E+21	6,674104E+21	3,690769E+21	1,289230E+21	1,131693E+20	0,000000E+00	0,000000E+00	1,132254E+20	1,289461E+21

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°
-2532	3,691008E+21	6,674102E+21	8,962356E+21	8,962559E+21	6,674375E+21	3,691113E+21	1,289488E+21	1,132329E+20	0,000000E+00	0,000000E+00	1,132081E+20	1,289310E+21
-2531	3,690799E+21	6,674037E+21	8,962359E+21	8,962338E+21	6,674092E+21	3,690954E+21	1,289454E+21	1,132634E+20	0,000000E+00	0,000000E+00	1,132848E+20	1,289589E+21
-2530	3,691137E+21	6,674117E+21	8,962046E+21	8,961823E+21	6,673634E+21	3,690736E+21	1,289356E+21	1,132346E+20	0,000000E+00	0,000000E+00	1,132776E+20	1,289488E+21
-2529	3,690743E+21	6,673381E+21	8,961427E+21	8,961711E+21	6,673913E+21	3,691096E+21	1,289654E+21	1,133146E+20	0,000000E+00	0,000000E+00	1,132712E+20	1,289418E+21
-2528	3,690823E+21	6,673747E+21	8,961668E+21	8,961546E+21	6,673514E+21	3,690748E+21	1,289458E+21	1,132978E+20	0,000000E+00	0,000000E+00	1,133301E+20	1,289644E+21
-2527	3,690980E+21	6,673634E+21	8,961362E+21	8,961277E+21	6,673436E+21	3,690798E+21	1,289497E+21	1,132834E+20	0,000000E+00	0,000000E+00	1,132824E+20	1,289424E+21
-2526	3,690591E+21	6,673219E+21	8,961306E+21	8,961504E+21	6,673685E+21	3,690974E+21	1,289638E+21	1,133296E+20	0,000000E+00	0,000000E+00	1,132918E+20	1,289510E+21
-2525	3,690954E+21	6,673835E+21	8,961726E+21	8,961546E+21	6,673388E+21	3,690600E+21	1,289349E+21	1,132642E+20	0,000000E+00	0,000000E+00	1,133158E+20	1,289621E+21
-2524	3,690950E+21	6,673630E+21	8,961529E+21	8,961716E+21	6,673869E+21	3,690980E+21	1,289511E+21	1,132575E+20	0,000000E+00	0,000000E+00	1,132379E+20	1,289367E+21
-2523	3,690761E+21	6,673844E+21	8,962102E+21	8,962114E+21	6,674015E+21	3,690994E+21	1,289500E+21	1,132705E+20	0,000000E+00	0,000000E+00	1,132562E+20	1,289531E+21
-2522	3,691208E+21	6,674416E+21	8,962491E+21	8,962236E+21	6,673857E+21	3,690755E+21	1,289283E+21	1,131932E+20	0,000000E+00	0,000000E+00	1,132295E+20	1,289414E+21
-2521	3,690890E+21	6,673970E+21	8,962301E+21	8,962599E+21	6,674466E+21	3,691193E+21	1,289524E+21	1,132276E+20	0,000000E+00	0,000000E+00	1,131740E+20	1,289253E+21
-2520	3,690871E+21	6,674373E+21	8,962825E+21	8,962824E+21	6,674415E+21	3,691002E+21	1,289359E+21	1,132142E+20	0,000000E+00	0,000000E+00	1,132305E+20	1,289498E+21
-2519	3,691175E+21	6,674501E+21	8,962768E+21	8,962693E+21	6,674315E+21	3,690964E+21	1,289295E+21	1,131593E+20	0,000000E+00	0,000000E+00	1,131814E+20	1,289332E+21
-2518	3,690871E+21	6,674068E+21	8,962537E+21	8,962798E+21	6,674581E+21	3,691220E+21	1,289505E+21	1,132246E+20	0,000000E+00	0,000000E+00	1,131859E+20	1,289349E+21
-2517	3,691126E+21	6,674612E+21	8,962872E+21	8,962694E+21	6,674173E+21	3,690823E+21	1,289256E+21	1,131825E+20	0,000000E+00	0,000000E+00	1,132374E+20	1,289520E+21
-2516	3,691167E+21	6,674379E+21	8,962484E+21	8,962461E+21	6,674252E+21	3,691020E+21	1,289391E+21	1,131934E+20	0,000000E+00	0,000000E+00	1,131907E+20	1,289302E+21
-2515	3,690782E+21	6,674045E+21	8,962472E+21	8,962473E+21	6,674229E+21	3,691062E+21	1,289515E+21	1,132649E+20	0,000000E+00	0,000000E+00	1,132464E+20	1,289469E+21
-2514	3,691107E+21	6,674289E+21	8,962386E+21	8,962140E+21	6,673728E+21	3,690676E+21	1,289295E+21	1,132213E+20	0,000000E+00	0,000000E+00	1,132811E+20	1,289530E+21
-2513	3,690858E+21	6,673565E+21	8,961535E+21	8,961788E+21	6,673922E+21	3,691030E+21	1,289580E+21	1,132912E+20	0,000000E+00	0,000000E+00	1,132653E+20	1,289393E+21
-2512	3,690667E+21	6,673506E+21	8,961528E+21	8,961570E+21	6,673658E+21	3,690878E+21	1,289550E+21	1,133238E+20	0,000000E+00	0,000000E+00	1,133380E+20	1,289654E+21
-2511	3,691007E+21	6,673612E+21	8,961250E+21	8,961044E+21	6,673169E+21	3,690649E+21	1,289454E+21	1,132954E+20	0,000000E+00	0,000000E+00	1,133304E+20	1,289554E+21
-2510	3,690639E+21	6,672946E+21	8,960683E+21	8,960872E+21	6,673327E+21	3,690929E+21	1,289724E+21	1,133712E+20	0,000000E+00	0,000000E+00	1,133237E+20	1,289479E+21
-2509	3,690674E+21	6,673274E+21	8,961002E+21	8,960847E+21	6,672975E+21	3,690554E+21	1,289501E+21	1,133471E+20	0,000000E+00	0,000000E+00	1,133810E+20	1,289712E+21
-2508	3,690856E+21	6,673168E+21	8,960692E+21	8,960658E+21	6,673032E+21	3,690669E+21	1,289538E+21	1,133277E+20	0,000000E+00	0,000000E+00	1,133359E+20	1,289510E+21
-2507	3,690507E+21	6,672860E+21	8,960766E+21	8,960946E+21	6,673319E+21	3,690869E+21	1,289679E+21	1,133690E+20	0,000000E+00	0,000000E+00	1,133344E+20	1,289583E+21
-2506	3,690912E+21	6,673534E+21	8,961215E+21	8,961039E+21	6,673078E+21	3,690528E+21	1,289396E+21	1,133003E+20	0,000000E+00	0,000000E+00	1,133515E+20	1,289657E+21
-2505	3,690862E+21	6,673317E+21	8,960997E+21	8,961148E+21	6,673514E+21	3,690909E+21	1,289580E+21	1,132999E+20	0,000000E+00	0,000000E+00	1,132715E+20	1,289392E+21
-2504	3,690626E+21	6,673478E+21	8,961600E+21	8,961639E+21	6,673718E+21	3,690930E+21	1,289571E+21	1,133174E+20	0,000000E+00	0,000000E+00	1,132925E+20	1,289551E+21
-2503	3,691041E+21	6,673966E+21	8,961919E+21	8,961748E+21	6,673566E+21	3,690691E+21	1,289349E+21	1,132390E+20	0,000000E+00	0,000000E+00	1,132738E+20	1,289472E+21
-2502	3,690783E+21	6,673549E+21	8,961631E+21	8,961919E+21	6,674040E+21	3,691075E+21	1,289569E+21	1,132697E+20	0,000000E+00	0,000000E+00	1,132245E+20	1,289340E+21
-2501	3,690785E+21	6,673955E+21	8,962180E+21	8,962157E+21	6,673950E+21	3,690855E+21	1,289394E+21	1,132517E+20	0,000000E+00	0,000000E+00	1,132788E+20	1,289586E+21
-2500	3,691129E+21	6,674128E+21	8,962112E+21	8,962027E+21	6,673890E+21	3,690848E+21	1,289343E+21	1,132007E+20	0,000000E+00	0,000000E+00	1,132314E+20	1,289411E+21
-2499	3,690814E+21	6,673780E+21	8,962024E+21	8,962168E+21	6,674136E+21	3,691092E+21	1,289560E+21	1,132707E+20	0,000000E+00	0,000000E+00	1,132301E+20	1,289403E+21
-2498	3,691033E+21	6,674268E+21	8,962352E+21	8,962117E+21	6,673753E+21	3,690702E+21	1,289319E+21	1,132328E+20	0,000000E+00	0,000000E+00	1,132836E+20	1,289555E+21
-2497	3,690993E+21	6,673882E+21	8,961791E+21	8,961791E+21	6,673812E+21	3,690907E+21	1,289475E+21	1,132542E+20	0,000000E+00	0,000000E+00	1,132458E+20	1,289365E+21

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°
-2496	3,690604E+21	6,673475E+21	8,961686E+21	8,961795E+21	6,673848E+21	3,690986E+21	1,289605E+21	1,133278E+20	0,000000E+00	0,000000E+00	1,133045E+20	1,289543E+21
-2495	3,690952E+21	6,673703E+21	8,961526E+21	8,961359E+21	6,673293E+21	3,690605E+21	1,289395E+21	1,132846E+20	0,000000E+00	0,000000E+00	1,133413E+20	1,289620E+21
-2494	3,690763E+21	6,673062E+21	8,960660E+21	8,960856E+21	6,673340E+21	3,690893E+21	1,289663E+21	1,133511E+20	0,000000E+00	0,000000E+00	1,133237E+20	1,289472E+21
-2493	3,690550E+21	6,673028E+21	8,960779E+21	8,960741E+21	6,673059E+21	3,690699E+21	1,289614E+21	1,133779E+20	0,000000E+00	0,000000E+00	1,133904E+20	1,289713E+21
-2492	3,690868E+21	6,673127E+21	8,960533E+21	8,960316E+21	6,672662E+21	3,690497E+21	1,289516E+21	1,133493E+20	0,000000E+00	0,000000E+00	1,133869E+20	1,289620E+21
-2491	3,690497E+21	6,672512E+21	8,960082E+21	8,960244E+21	6,672882E+21	3,690779E+21	1,289767E+21	1,134184E+20	0,000000E+00	0,000000E+00	1,133744E+20	1,289554E+21
-2490	3,690573E+21	6,672855E+21	8,960396E+21	8,960262E+21	6,672597E+21	3,690446E+21	1,289543E+21	1,133889E+20	0,000000E+00	0,000000E+00	1,134285E+20	1,289778E+21
-2489	3,690755E+21	6,672746E+21	8,960041E+21	8,960023E+21	6,672645E+21	3,690584E+21	1,289601E+21	1,133719E+20	0,000000E+00	0,000000E+00	1,133808E+20	1,289581E+21
-2488	3,690435E+21	6,672491E+21	8,960172E+21	8,960395E+21	6,673011E+21	3,690812E+21	1,289748E+21	1,134143E+20	0,000000E+00	0,000000E+00	1,133723E+20	1,289623E+21
-2487	3,690819E+21	6,673184E+21	8,960666E+21	8,960490E+21	6,672762E+21	3,690484E+21	1,289477E+21	1,133471E+20	0,000000E+00	0,000000E+00	1,133898E+20	1,289695E+21
-2486	3,690763E+21	6,672976E+21	8,960459E+21	8,960535E+21	6,673085E+21	3,690790E+21	1,289637E+21	1,133439E+20	0,000000E+00	0,000000E+00	1,133136E+20	1,289440E+21
-2485	3,690489E+21	6,673049E+21	8,961046E+21	8,961091E+21	6,673307E+21	3,690787E+21	1,289607E+21	1,133563E+20	0,000000E+00	0,000000E+00	1,133370E+20	1,289610E+21
-2484	3,690924E+21	6,673525E+21	8,961294E+21	8,961177E+21	6,673215E+21	3,690594E+21	1,289389E+21	1,132771E+20	0,000000E+00	0,000000E+00	1,133239E+20	1,289557E+21
-2483	3,690722E+21	6,673223E+21	8,961093E+21	8,961317E+21	6,673641E+21	3,690961E+21	1,289606E+21	1,133068E+20	0,000000E+00	0,000000E+00	1,132677E+20	1,289417E+21
-2482	3,690756E+21	6,673657E+21	8,961643E+21	8,961564E+21	6,673563E+21	3,690756E+21	1,289443E+21	1,132909E+20	0,000000E+00	0,000000E+00	1,133173E+20	1,289624E+21
-2481	3,691037E+21	6,673784E+21	8,961544E+21	8,961384E+21	6,673456E+21	3,690745E+21	1,289419E+21	1,132519E+20	0,000000E+00	0,000000E+00	1,132737E+20	1,289451E+21
-2480	3,690673E+21	6,673346E+21	8,961429E+21	8,961607E+21	6,673768E+21	3,690997E+21	1,289639E+21	1,133281E+20	0,000000E+00	0,000000E+00	1,132764E+20	1,289434E+21
-2479	3,690847E+21	6,673733E+21	8,961654E+21	8,961507E+21	6,673397E+21	3,690633E+21	1,289409E+21	1,132926E+20	0,000000E+00	0,000000E+00	1,133398E+20	1,289628E+21
-2478	3,690853E+21	6,673352E+21	8,960993E+21	8,960983E+21	6,673300E+21	3,690778E+21	1,289546E+21	1,133116E+20	0,000000E+00	0,000000E+00	1,133098E+20	1,289464E+21
-2477	3,690480E+21	6,672917E+21	8,960865E+21	8,960981E+21	6,673299E+21	3,690838E+21	1,289669E+21	1,133800E+20	0,000000E+00	0,000000E+00	1,133648E+20	1,289633E+21
-2476	3,690852E+21	6,673200E+21	8,960707E+21	8,960545E+21	6,672785E+21	3,690483E+21	1,289467E+21	1,133392E+20	0,000000E+00	0,000000E+00	1,134021E+20	1,289706E+21
-2475	3,690669E+21	6,672673E+21	8,959997E+21	8,960058E+21	6,672783E+21	3,690740E+21	1,289729E+21	1,134052E+20	0,000000E+00	0,000000E+00	1,133767E+20	1,289539E+21
-2474	3,690437E+21	6,672586E+21	8,960126E+21	8,960044E+21	6,672560E+21	3,690550E+21	1,289675E+21	1,134307E+20	0,000000E+00	0,000000E+00	1,134407E+20	1,289759E+21
-2473	3,690702E+21	6,672601E+21	8,959787E+21	8,959600E+21	6,672192E+21	3,690365E+21	1,289586E+21	1,134062E+20	0,000000E+00	0,000000E+00	1,134422E+20	1,289698E+21
-2472	3,690365E+21	6,671992E+21	8,959341E+21	8,959603E+21	6,672507E+21	3,690684E+21	1,289833E+21	1,134713E+20	0,000000E+00	0,000000E+00	1,134253E+20	1,289627E+21
-2471	3,690476E+21	6,672397E+21	8,959698E+21	8,959614E+21	6,672233E+21	3,690389E+21	1,289624E+21	1,134402E+20	0,000000E+00	0,000000E+00	1,134772E+20	1,289855E+21
-2470	3,690701E+21	6,672395E+21	8,959408E+21	8,959308E+21	6,672175E+21	3,690470E+21	1,289664E+21	1,134177E+20	0,000000E+00	0,000000E+00	1,134249E+20	1,289637E+21
-2469	3,690346E+21	6,672150E+21	8,959659E+21	8,959807E+21	6,672565E+21	3,690685E+21	1,289800E+21	1,134547E+20	0,000000E+00	0,000000E+00	1,134104E+20	1,289651E+21
-2468	3,690691E+21	6,672804E+21	8,960148E+21	8,959990E+21	6,672420E+21	3,690389E+21	1,289528E+21	1,133880E+20	0,000000E+00	0,000000E+00	1,134326E+20	1,289734E+21
-2467	3,690633E+21	6,672630E+21	8,959990E+21	8,960043E+21	6,672745E+21	3,690686E+21	1,289672E+21	1,133796E+20	0,000000E+00	0,000000E+00	1,133545E+20	1,289503E+21
-2466	3,690405E+21	6,672672E+21	8,960506E+21	8,960582E+21	6,672989E+21	3,690705E+21	1,289644E+21	1,133906E+20	0,000000E+00	0,000000E+00	1,133768E+20	1,289662E+21
-2465	3,690827E+21	6,673113E+21	8,960664E+21	8,960571E+21	6,672848E+21	3,690517E+21	1,289454E+21	1,133189E+20	0,000000E+00	0,000000E+00	1,133657E+20	1,289624E+21
-2464	3,690658E+21	6,672856E+21	8,960497E+21	8,960754E+21	6,673301E+21	3,690885E+21	1,289675E+21	1,133543E+20	0,000000E+00	0,000000E+00	1,133069E+20	1,289457E+21
-2463	3,690660E+21	6,673292E+21	8,961070E+21	8,960954E+21	6,673170E+21	3,690684E+21	1,289533E+21	1,133455E+20	0,000000E+00	0,000000E+00	1,133619E+20	1,289668E+21
-2462	3,690909E+21	6,673362E+21	8,960917E+21	8,960688E+21	6,672950E+21	3,690596E+21	1,289487E+21	1,133079E+20	0,000000E+00	0,000000E+00	1,133273E+20	1,289514E+21
-2461	3,690519E+21	6,672830E+21	8,960741E+21	8,960937E+21	6,673283E+21	3,690844E+21	1,289691E+21	1,133791E+20	0,000000E+00	0,000000E+00	1,133354E+20	1,289514E+21

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°
-2460	3,690712E+21	6,673191E+21	8,960858E+21	8,960776E+21	6,672956E+21	3,690527E+21	1,289472E+21	1,133447E+20	0,000000E+00	0,000000E+00	1,134034E+20	1,289728E+21
-2459	3,690767E+21	6,672917E+21	8,960274E+21	8,960209E+21	6,672792E+21	3,690647E+21	1,289606E+21	1,133620E+20	0,000000E+00	0,000000E+00	1,133680E+20	1,289561E+21
-2458	3,690422E+21	6,672491E+21	8,960144E+21	8,960218E+21	6,672797E+21	3,690712E+21	1,289734E+21	1,134305E+20	0,000000E+00	0,000000E+00	1,134150E+20	1,289680E+21
-2457	3,690707E+21	6,672718E+21	8,959973E+21	8,959762E+21	6,672254E+21	3,690354E+21	1,289555E+21	1,133992E+20	0,000000E+00	0,000000E+00	1,134548E+20	1,289762E+21
-2456	3,690511E+21	6,672149E+21	8,959277E+21	8,959391E+21	6,672335E+21	3,690612E+21	1,289807E+21	1,134660E+20	0,000000E+00	0,000000E+00	1,134289E+20	1,289588E+21
-2455	3,690270E+21	6,672045E+21	8,959367E+21	8,959348E+21	6,672138E+21	3,690460E+21	1,289760E+21	1,134899E+20	0,000000E+00	0,000000E+00	1,134973E+20	1,289840E+21
-2454	3,690586E+21	6,672107E+21	8,959021E+21	8,958818E+21	6,671683E+21	3,690232E+21	1,289650E+21	1,134594E+20	0,000000E+00	0,000000E+00	1,135001E+20	1,289794E+21
-2453	3,690286E+21	6,671546E+21	8,958653E+21	8,958908E+21	6,672028E+21	3,690551E+21	1,289883E+21	1,135146E+20	0,000000E+00	0,000000E+00	1,134757E+20	1,289701E+21
-2452	3,690409E+21	6,672028E+21	8,959070E+21	8,958980E+21	6,671840E+21	3,690304E+21	1,289689E+21	1,134853E+20	0,000000E+00	0,000000E+00	1,135241E+20	1,289911E+21
-2451	3,690622E+21	6,672125E+21	8,958962E+21	8,958749E+21	6,671758E+21	3,690355E+21	1,289716E+21	1,134589E+20	0,000000E+00	0,000000E+00	1,134648E+20	1,289681E+21
-2450	3,690241E+21	6,671790E+21	8,959177E+21	8,959334E+21	6,672216E+21	3,690577E+21	1,289844E+21	1,134942E+20	0,000000E+00	0,000000E+00	1,134471E+20	1,289671E+21
-2449	3,690518E+21	6,672341E+21	8,959543E+21	8,959457E+21	6,672090E+21	3,690308E+21	1,289588E+21	1,134319E+20	0,000000E+00	0,000000E+00	1,134755E+20	1,289794E+21
-2448	3,690519E+21	6,672175E+21	8,959346E+21	8,959502E+21	6,672435E+21	3,690614E+21	1,289731E+21	1,134233E+20	0,000000E+00	0,000000E+00	1,133947E+20	1,289559E+21
-2447	3,690326E+21	6,672275E+21	8,959856E+21	8,959973E+21	6,672643E+21	3,690654E+21	1,289722E+21	1,134368E+20	0,000000E+00	0,000000E+00	1,134192E+20	1,289727E+21
-2446	3,690773E+21	6,672787E+21	8,960058E+21	8,959873E+21	6,672367E+21	3,690387E+21	1,289513E+21	1,133649E+20	0,000000E+00	0,000000E+00	1,134096E+20	1,289683E+21
-2445	3,690572E+21	6,672503E+21	8,959960E+21	8,960143E+21	6,672819E+21	3,690731E+21	1,289719E+21	1,133973E+20	0,000000E+00	0,000000E+00	1,133527E+20	1,289504E+21
-2444	3,690534E+21	6,672879E+21	8,960487E+21	8,960399E+21	6,672780E+21	3,690566E+21	1,289585E+21	1,133922E+20	0,000000E+00	0,000000E+00	1,134152E+20	1,289731E+21
-2443	3,690789E+21	6,672978E+21	8,960349E+21	8,960089E+21	6,672525E+21	3,690464E+21	1,289527E+21	1,133521E+20	0,000000E+00	0,000000E+00	1,133822E+20	1,289602E+21
-2442	3,690432E+21	6,672384E+21	8,960067E+21	8,960288E+21	6,672867E+21	3,690738E+21	1,289742E+21	1,134238E+20	0,000000E+00	0,000000E+00	1,133878E+20	1,289579E+21
-2441	3,690583E+21	6,672688E+21	8,960081E+21	8,960030E+21	6,672502E+21	3,690437E+21	1,289558E+21	1,133992E+20	0,000000E+00	0,000000E+00	1,134569E+20	1,289804E+21
-2440	3,690664E+21	6,672432E+21	8,959503E+21	8,959479E+21	6,672341E+21	3,690552E+21	1,289700E+21	1,134232E+20	0,000000E+00	0,000000E+00	1,134187E+20	1,289611E+21
-2439	3,690285E+21	6,672006E+21	8,959389E+21	8,959450E+21	6,672302E+21	3,690617E+21	1,289844E+21	1,134964E+20	0,000000E+00	0,000000E+00	1,134699E+20	1,289738E+21
-2438	3,690541E+21	6,672177E+21	8,959179E+21	8,958933E+21	6,671663E+21	3,690179E+21	1,289634E+21	1,134641E+20	0,000000E+00	0,000000E+00	1,135164E+20	1,289843E+21
-2437	3,690356E+21	6,671583E+21	8,958479E+21	8,958613E+21	6,671784E+21	3,690440E+21	1,289861E+21	1,135205E+20	0,000000E+00	0,000000E+00	1,134916E+20	1,289681E+21
-2436	3,690157E+21	6,671533E+21	8,958574E+21	8,958596E+21	6,671666E+21	3,690340E+21	1,289823E+21	1,135426E+20	0,000000E+00	0,000000E+00	1,135580E+20	1,289935E+21
-2435	3,690523E+21	6,671750E+21	8,958389E+21	8,958117E+21	6,671206E+21	3,690102E+21	1,289703E+21	1,135063E+20	0,000000E+00	0,000000E+00	1,135513E+20	1,289875E+21
-2434	3,690240E+21	6,671220E+21	8,958089E+21	8,958305E+21	6,671616E+21	3,690444E+21	1,289938E+21	1,135575E+20	0,000000E+00	0,000000E+00	1,135151E+20	1,289725E+21
-2433	3,690258E+21	6,671620E+21	8,958495E+21	8,958408E+21	6,671461E+21	3,690222E+21	1,289769E+21	1,135348E+20	0,000000E+00	0,000000E+00	1,135635E+20	1,289940E+21
-2432	3,690457E+21	6,671658E+21	8,958383E+21	8,958294E+21	6,671469E+21	3,690279E+21	1,289784E+21	1,135064E+20	0,000000E+00	0,000000E+00	1,135037E+20	1,289712E+21
-2431	3,690092E+21	6,671330E+21	8,958529E+21	8,958783E+21	6,671906E+21	3,690527E+21	1,289917E+21	1,135400E+20	0,000000E+00	0,000000E+00	1,134916E+20	1,289736E+21
-2430	3,690402E+21	6,671894E+21	8,958855E+21	8,958780E+21	6,671655E+21	3,690194E+21	1,289639E+21	1,134737E+20	0,000000E+00	0,000000E+00	1,135220E+20	1,289878E+21
-2429	3,690464E+21	6,671809E+21	8,958734E+21	8,958868E+21	6,671992E+21	3,690482E+21	1,289766E+21	1,134581E+20	0,000000E+00	0,000000E+00	1,134387E+20	1,289632E+21
-2428	3,690291E+21	6,671991E+21	8,959299E+21	8,959362E+21	6,672236E+21	3,690547E+21	1,289774E+21	1,134777E+20	0,000000E+00	0,000000E+00	1,134634E+20	1,289783E+21
-2427	3,690713E+21	6,672565E+21	8,959640E+21	8,959331E+21	6,671932E+21	3,690246E+21	1,289555E+21	1,134057E+20	0,000000E+00	0,000000E+00	1,134524E+20	1,289740E+21
-2426	3,690484E+21	6,672163E+21	8,959470E+21	8,959659E+21	6,672448E+21	3,690599E+21	1,289755E+21	1,134390E+20	0,000000E+00	0,000000E+00	1,133968E+20	1,289541E+21
-2425	3,690364E+21	6,672389E+21	8,959826E+21	8,959816E+21	6,672423E+21	3,690483E+21	1,289654E+21	1,134416E+20	0,000000E+00	0,000000E+00	1,134657E+20	1,289802E+21

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°
-2424	3,690659E+21	6,672466E+21	8,959623E+21	8,959486E+21	6,672170E+21	3,690391E+21	1,289606E+21	1,134060E+20	0,000000E+00	0,000000E+00	1,134325E+20	1,289668E+21
-2423	3,690327E+21	6,671914E+21	8,959282E+21	8,959544E+21	6,672439E+21	3,690680E+21	1,289848E+21	1,134833E+20	0,000000E+00	0,000000E+00	1,134411E+20	1,289647E+21
-2422	3,690456E+21	6,672209E+21	8,959292E+21	8,959177E+21	6,671929E+21	3,690297E+21	1,289648E+21	1,134613E+20	0,000000E+00	0,000000E+00	1,135115E+20	1,289868E+21
-2421	3,690521E+21	6,671930E+21	8,958756E+21	8,958684E+21	6,671753E+21	3,690376E+21	1,289769E+21	1,134816E+20	0,000000E+00	0,000000E+00	1,134777E+20	1,289676E+21
-2420	3,690127E+21	6,671477E+21	8,958603E+21	8,958695E+21	6,671790E+21	3,690464E+21	1,289911E+21	1,135550E+20	0,000000E+00	0,000000E+00	1,135335E+20	1,289823E+21
-2419	3,690415E+21	6,671724E+21	8,958462E+21	8,958186E+21	6,671143E+21	3,690016E+21	1,289682E+21	1,135163E+20	0,000000E+00	0,000000E+00	1,135791E+20	1,289952E+21
-2418	3,690281E+21	6,671129E+21	8,957762E+21	8,957916E+21	6,671319E+21	3,690302E+21	1,289905E+21	1,135665E+20	0,000000E+00	0,000000E+00	1,135456E+20	1,289755E+21
-2417	3,690048E+21	6,671075E+21	8,957855E+21	8,957905E+21	6,671242E+21	3,690251E+21	1,289902E+21	1,135944E+20	0,000000E+00	0,000000E+00	1,136074E+20	1,290005E+21
-2416	3,690430E+21	6,671334E+21	8,957746E+21	8,957517E+21	6,670829E+21	3,690025E+21	1,289790E+21	1,135614E+20	0,000000E+00	0,000000E+00	1,135935E+20	1,289904E+21
-2415	3,690100E+21	6,670803E+21	8,957466E+21	8,957700E+21	6,671238E+21	3,690382E+21	1,290035E+21	1,136131E+20	0,000000E+00	0,000000E+00	1,135594E+20	1,289763E+21
-2414	3,690074E+21	6,671123E+21	8,957817E+21	8,957754E+21	6,671014E+21	3,690092E+21	1,289833E+21	1,135866E+20	0,000000E+00	0,000000E+00	1,136115E+20	1,290001E+21
-2413	3,690316E+21	6,671161E+21	8,957677E+21	8,957632E+21	6,671033E+21	3,690148E+21	1,289822E+21	1,135465E+20	0,000000E+00	0,000000E+00	1,135537E+20	1,289794E+21
-2412	3,690016E+21	6,670924E+21	8,957844E+21	8,958122E+21	6,671504E+21	3,690423E+21	1,289961E+21	1,135788E+20	0,000000E+00	0,000000E+00	1,135397E+20	1,289822E+21
-2411	3,690384E+21	6,671658E+21	8,958337E+21	8,958164E+21	6,671219E+21	3,690060E+21	1,289672E+21	1,135087E+20	0,000000E+00	0,000000E+00	1,135629E+20	1,289951E+21
-2410	3,690448E+21	6,671595E+21	8,958306E+21	8,958353E+21	6,671602E+21	3,690351E+21	1,289794E+21	1,134924E+20	0,000000E+00	0,000000E+00	1,134718E+20	1,289652E+21
-2409	3,690166E+21	6,671668E+21	8,958845E+21	8,958891E+21	6,671898E+21	3,690452E+21	1,289835E+21	1,135219E+20	0,000000E+00	0,000000E+00	1,135011E+20	1,289814E+21
-2408	3,690565E+21	6,672141E+21	8,959118E+21	8,958927E+21	6,671669E+21	3,690174E+21	1,289621E+21	1,134542E+20	0,000000E+00	0,000000E+00	1,134925E+20	1,289773E+21
-2407	3,690333E+21	6,671710E+21	8,958823E+21	8,959105E+21	6,672145E+21	3,690562E+21	1,289843E+21	1,134910E+20	0,000000E+00	0,000000E+00	1,134473E+20	1,289609E+21
-2406	3,690211E+21	6,671865E+21	8,959056E+21	8,959085E+21	6,671968E+21	3,690382E+21	1,289733E+21	1,134951E+20	0,000000E+00	0,000000E+00	1,135190E+20	1,289882E+21
-2405	3,690553E+21	6,671978E+21	8,958838E+21	8,958699E+21	6,671665E+21	3,690269E+21	1,289677E+21	1,134578E+20	0,000000E+00	0,000000E+00	1,134894E+20	1,289749E+21
-2404	3,690234E+21	6,671481E+21	8,958510E+21	8,958722E+21	6,671906E+21	3,690551E+21	1,289929E+21	1,135414E+20	0,000000E+00	0,000000E+00	1,134999E+20	1,289721E+21
-2403	3,690340E+21	6,671807E+21	8,958618E+21	8,958404E+21	6,671349E+21	3,690112E+21	1,289708E+21	1,135179E+20	0,000000E+00	0,000000E+00	1,135708E+20	1,289954E+21
-2402	3,690405E+21	6,671456E+21	8,958045E+21	8,957973E+21	6,671236E+21	3,690189E+21	1,289809E+21	1,135352E+20	0,000000E+00	0,000000E+00	1,135365E+20	1,289748E+21
-2401	3,689968E+21	6,670923E+21	8,957794E+21	8,957939E+21	6,671314E+21	3,690335E+21	1,289978E+21	1,136113E+20	0,000000E+00	0,000000E+00	1,135929E+20	1,289917E+21
-2400	3,690302E+21	6,671196E+21	8,957687E+21	8,957510E+21	6,670731E+21	3,689924E+21	1,289764E+21	1,135748E+20	0,000000E+00	0,000000E+00	1,136321E+20	1,290023E+21
-2399	3,690190E+21	6,670703E+21	8,957035E+21	8,957197E+21	6,670895E+21	3,690237E+21	1,290005E+21	1,136249E+20	0,000000E+00	0,000000E+00	1,135978E+20	1,289816E+21
-2398	3,689907E+21	6,670611E+21	8,957144E+21	8,957150E+21	6,670735E+21	3,690132E+21	1,289989E+21	1,136525E+20	0,000000E+00	0,000000E+00	1,136548E+20	1,290050E+21
-2397	3,690275E+21	6,670859E+21	8,957081E+21	8,956851E+21	6,670368E+21	3,689897E+21	1,289853E+21	1,136113E+20	0,000000E+00	0,000000E+00	1,136442E+20	1,289956E+21
-2396	3,689951E+21	6,670337E+21	8,956770E+21	8,957044E+21	6,670829E+21	3,690270E+21	1,290090E+21	1,136593E+20	0,000000E+00	0,000000E+00	1,136107E+20	1,289834E+21
-2395	3,689968E+21	6,670737E+21	8,957195E+21	8,957108E+21	6,670583E+21	3,689958E+21	1,289864E+21	1,136245E+20	0,000000E+00	0,000000E+00	1,136595E+20	1,290092E+21
-2394	3,690273E+21	6,670819E+21	8,957103E+21	8,957053E+21	6,670639E+21	3,690015E+21	1,289842E+21	1,135781E+20	0,000000E+00	0,000000E+00	1,135930E+20	1,289853E+21
-2393	3,689952E+21	6,670606E+21	8,957299E+21	8,957557E+21	6,671147E+21	3,690333E+21	1,290014E+21	1,136171E+20	0,000000E+00	0,000000E+00	1,135761E+20	1,289876E+21
-2392	3,690319E+21	6,671365E+21	8,957897E+21	8,957722E+21	6,670917E+21	3,689992E+21	1,289744E+21	1,135542E+20	0,000000E+00	0,000000E+00	1,135951E+20	1,289970E+21
-2391	3,690333E+21	6,671281E+21	8,957855E+21	8,957897E+21	6,671297E+21	3,690292E+21	1,289875E+21	1,135418E+20	0,000000E+00	0,000000E+00	1,135125E+20	1,289687E+21
-2390	3,689989E+21	6,671201E+21	8,958235E+21	8,958325E+21	6,671523E+21	3,690347E+21	1,289899E+21	1,135723E+20	0,000000E+00	0,000000E+00	1,135477E+20	1,289871E+21
-2389	3,690420E+21	6,671639E+21	8,958410E+21	8,958271E+21	6,671274E+21	3,690076E+21	1,289674E+21	1,134996E+20	0,000000E+00	0,000000E+00	1,135465E+20	1,289854E+21

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°
-2388	3,690237E+21	6,671255E+21	8,958057E+21	8,958358E+21	6,671706E+21	3,690468E+21	1,289911E+21	1,135406E+20	0,000000E+00	0,000000E+00	1,135040E+20	1,289702E+21
-2387	3,690150E+21	6,671502E+21	8,958372E+21	8,958317E+21	6,671450E+21	3,690237E+21	1,289790E+21	1,135432E+20	0,000000E+00	0,000000E+00	1,135722E+20	1,289965E+21
-2386	3,690482E+21	6,671599E+21	8,958190E+21	8,957977E+21	6,671146E+21	3,690100E+21	1,289724E+21	1,135071E+20	0,000000E+00	0,000000E+00	1,135389E+20	1,289798E+21
-2385	3,690079E+21	6,671008E+21	8,957829E+21	8,958025E+21	6,671420E+21	3,690405E+21	1,289997E+21	1,135973E+20	0,000000E+00	0,000000E+00	1,135544E+20	1,289789E+21
-2384	3,690188E+21	6,671276E+21	8,957905E+21	8,957764E+21	6,670924E+21	3,689993E+21	1,289782E+21	1,135771E+20	0,000000E+00	0,000000E+00	1,136250E+20	1,290018E+21
-2383	3,690262E+21	6,670944E+21	8,957278E+21	8,957244E+21	6,670801E+21	3,690104E+21	1,289896E+21	1,135948E+20	0,000000E+00	0,000000E+00	1,135972E+20	1,289835E+21
-2382	3,689827E+21	6,670375E+21	8,956968E+21	8,957131E+21	6,670802E+21	3,690209E+21	1,290057E+21	1,136697E+20	0,000000E+00	0,000000E+00	1,136499E+20	1,290001E+21
-2381	3,690203E+21	6,670712E+21	8,956889E+21	8,956698E+21	6,670233E+21	3,689814E+21	1,289844E+21	1,136313E+20	0,000000E+00	0,000000E+00	1,136892E+20	1,290092E+21
-2380	3,690078E+21	6,670272E+21	8,956312E+21	8,956422E+21	6,670402E+21	3,690130E+21	1,290094E+21	1,136832E+20	0,000000E+00	0,000000E+00	1,136530E+20	1,289878E+21
-2379	3,689774E+21	6,670190E+21	8,956513E+21	8,956461E+21	6,670227E+21	3,689973E+21	1,290048E+21	1,137047E+20	0,000000E+00	0,000000E+00	1,137069E+20	1,290116E+21
-2378	3,690141E+21	6,670387E+21	8,956417E+21	8,956217E+21	6,669930E+21	3,689742E+21	1,289885E+21	1,136551E+20	0,000000E+00	0,000000E+00	1,136929E+20	1,290015E+21
-2377	3,689810E+21	6,669857E+21	8,956072E+21	8,956382E+21	6,670427E+21	3,690165E+21	1,290140E+21	1,137020E+20	0,000000E+00	0,000000E+00	1,136571E+20	1,289915E+21
-2376	3,689894E+21	6,670322E+21	8,956580E+21	8,956544E+21	6,670239E+21	3,689882E+21	1,289928E+21	1,136690E+20	0,000000E+00	0,000000E+00	1,136969E+20	1,290141E+21
-2375	3,690219E+21	6,670526E+21	8,956584E+21	8,956498E+21	6,670301E+21	3,689958E+21	1,289918E+21	1,136233E+20	0,000000E+00	0,000000E+00	1,136310E+20	1,289894E+21
-2374	3,689840E+21	6,670260E+21	8,956790E+21	8,956994E+21	6,670745E+21	3,690223E+21	1,290077E+21	1,136638E+20	0,000000E+00	0,000000E+00	1,136131E+20	1,289907E+21
-2373	3,690190E+21	6,670973E+21	8,957371E+21	8,957205E+21	6,670573E+21	3,689897E+21	1,289798E+21	1,135980E+20	0,000000E+00	0,000000E+00	1,136399E+20	1,290014E+21
-2372	3,690201E+21	6,670869E+21	8,957263E+21	8,957337E+21	6,670958E+21	3,690208E+21	1,289929E+21	1,135852E+20	0,000000E+00	0,000000E+00	1,135636E+20	1,289763E+21
-2371	3,689893E+21	6,670803E+21	8,957622E+21	8,957701E+21	6,671113E+21	3,690230E+21	1,289937E+21	1,136111E+20	0,000000E+00	0,000000E+00	1,135982E+20	1,289959E+21
-2370	3,690360E+21	6,671253E+21	8,957778E+21	8,957633E+21	6,670855E+21	3,689946E+21	1,289706E+21	1,135369E+20	0,000000E+00	0,000000E+00	1,135928E+20	1,289922E+21
-2369	3,690158E+21	6,670871E+21	8,957391E+21	8,957637E+21	6,671258E+21	3,690363E+21	1,289978E+21	1,135883E+20	0,000000E+00	0,000000E+00	1,135510E+20	1,289767E+21
-2368	3,690051E+21	6,671085E+21	8,957762E+21	8,957687E+21	6,671021E+21	3,690137E+21	1,289876E+21	1,136000E+20	0,000000E+00	0,000000E+00	1,136163E+20	1,290001E+21
-2367	3,690341E+21	6,671160E+21	8,957556E+21	8,957328E+21	6,670701E+21	3,689988E+21	1,289812E+21	1,135685E+20	0,000000E+00	0,000000E+00	1,135949E+20	1,289860E+21
-2366	3,689890E+21	6,670422E+21	8,957030E+21	8,957255E+21	6,670904E+21	3,690251E+21	1,290065E+21	1,136580E+20	0,000000E+00	0,000000E+00	1,136141E+20	1,289872E+21
-2365	3,690049E+21	6,670702E+21	8,957054E+21	8,956943E+21	6,670428E+21	3,689874E+21	1,289852E+21	1,136344E+20	0,000000E+00	0,000000E+00	1,136892E+20	1,290114E+21
-2364	3,690166E+21	6,670455E+21	8,956458E+21	8,956402E+21	6,670283E+21	3,689990E+21	1,289979E+21	1,136542E+20	0,000000E+00	0,000000E+00	1,136605E+20	1,289930E+21
-2363	3,689754E+21	6,669971E+21	8,956248E+21	8,956322E+21	6,670253E+21	3,690062E+21	1,290126E+21	1,137243E+20	0,000000E+00	0,000000E+00	1,137053E+20	1,290071E+21
-2362	3,690097E+21	6,670292E+21	8,956239E+21	8,955995E+21	6,669732E+21	3,689658E+21	1,289900E+21	1,136838E+20	0,000000E+00	0,000000E+00	1,137391E+20	1,290131E+21
-2361	3,689900E+21	6,669768E+21	8,955628E+21	8,955755E+21	6,669963E+21	3,690012E+21	1,290162E+21	1,137358E+20	0,000000E+00	0,000000E+00	1,137045E+20	1,289942E+21
-2360	3,689615E+21	6,669648E+21	8,955831E+21	8,955876E+21	6,669861E+21	3,689885E+21	1,290118E+21	1,137562E+20	0,000000E+00	0,000000E+00	1,137530E+20	1,290170E+21
-2359	3,690015E+21	6,669923E+21	8,955741E+21	8,955582E+21	6,669555E+21	3,689671E+21	1,289957E+21	1,137028E+20	0,000000E+00	0,000000E+00	1,137428E+20	1,290091E+21
-2358	3,689706E+21	6,669402E+21	8,955378E+21	8,955692E+21	6,669981E+21	3,690048E+21	1,290197E+21	1,137466E+20	0,000000E+00	0,000000E+00	1,137006E+20	1,289985E+21
-2357	3,689844E+21	6,669977E+21	8,955967E+21	8,955877E+21	6,669831E+21	3,689794E+21	1,289988E+21	1,137132E+20	0,000000E+00	0,000000E+00	1,137408E+20	1,290193E+21
-2356	3,690144E+21	6,670228E+21	8,956083E+21	8,955914E+21	6,669901E+21	3,689861E+21	1,289984E+21	1,136696E+20	0,000000E+00	0,000000E+00	1,136754E+20	1,289947E+21
-2355	3,689754E+21	6,669947E+21	8,956322E+21	8,956477E+21	6,670346E+21	3,690083E+21	1,290113E+21	1,137045E+20	0,000000E+00	0,000000E+00	1,136580E+20	1,289967E+21
-2354	3,690088E+21	6,670578E+21	8,956811E+21	8,956685E+21	6,670224E+21	3,689770E+21	1,289820E+21	1,136340E+20	0,000000E+00	0,000000E+00	1,136829E+20	1,290066E+21
-2353	3,690080E+21	6,670437E+21	8,956637E+21	8,956738E+21	6,670605E+21	3,690129E+21	1,289980E+21	1,136243E+20	0,000000E+00	0,000000E+00	1,136090E+20	1,289842E+21

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°
-2352	3,689821E+21	6,670387E+21	8,957014E+21	8,957125E+21	6,670755E+21	3,690163E+21	1,290010E+21	1,136571E+20	0,000000E+00	0,000000E+00	1,136375E+20	1,289999E+21
-2351	3,690268E+21	6,670894E+21	8,957188E+21	8,956995E+21	6,670453E+21	3,689876E+21	1,289795E+21	1,135887E+20	0,000000E+00	0,000000E+00	1,136373E+20	1,289963E+21
-2350	3,690006E+21	6,670416E+21	8,956746E+21	8,956939E+21	6,670757E+21	3,690222E+21	1,290051E+21	1,136448E+20	0,000000E+00	0,000000E+00	1,135988E+20	1,289813E+21
-2349	3,689904E+21	6,670582E+21	8,957038E+21	8,956964E+21	6,670554E+21	3,690014E+21	1,289946E+21	1,136571E+20	0,000000E+00	0,000000E+00	1,136736E+20	1,290064E+21
-2348	3,690192E+21	6,670639E+21	8,956787E+21	8,956572E+21	6,670224E+21	3,689868E+21	1,289884E+21	1,136272E+20	0,000000E+00	0,000000E+00	1,136591E+20	1,289959E+21
-2347	3,689792E+21	6,669936E+21	8,956266E+21	8,956470E+21	6,670370E+21	3,690093E+21	1,290117E+21	1,137098E+20	0,000000E+00	0,000000E+00	1,136769E+20	1,289975E+21
-2346	3,689972E+21	6,670231E+21	8,956293E+21	8,956177E+21	6,669922E+21	3,689724E+21	1,289905E+21	1,136852E+20	0,000000E+00	0,000000E+00	1,137456E+20	1,290187E+21
-2345	3,690055E+21	6,670000E+21	8,955730E+21	8,955627E+21	6,669791E+21	3,689884E+21	1,290063E+21	1,137114E+20	0,000000E+00	0,000000E+00	1,137169E+20	1,290002E+21
-2344	3,689623E+21	6,669482E+21	8,955589E+21	8,955666E+21	6,669801E+21	3,689964E+21	1,290222E+21	1,137857E+20	0,000000E+00	0,000000E+00	1,137543E+20	1,290106E+21
-2343	3,689919E+21	6,669783E+21	8,955551E+21	8,955337E+21	6,669305E+21	3,689562E+21	1,289991E+21	1,137448E+20	0,000000E+00	0,000000E+00	1,137952E+20	1,290193E+21
-2342	3,689708E+21	6,669162E+21	8,954803E+21	8,954984E+21	6,669467E+21	3,689875E+21	1,290227E+21	1,137910E+20	0,000000E+00	0,000000E+00	1,137591E+20	1,290024E+21
-2341	3,689507E+21	6,669120E+21	8,955000E+21	8,955079E+21	6,669399E+21	3,689785E+21	1,290181E+21	1,138060E+20	0,000000E+00	0,000000E+00	1,138072E+20	1,290254E+21
-2340	3,689955E+21	6,669529E+21	8,955043E+21	8,954847E+21	6,669093E+21	3,689565E+21	1,290025E+21	1,137511E+20	0,000000E+00	0,000000E+00	1,137931E+20	1,290174E+21
-2339	3,689680E+21	6,669120E+21	8,954842E+21	8,955053E+21	6,669508E+21	3,689899E+21	1,290236E+21	1,137868E+20	0,000000E+00	0,000000E+00	1,137428E+20	1,290041E+21
-2338	3,689779E+21	6,669693E+21	8,955527E+21	8,955385E+21	6,669444E+21	3,689654E+21	1,290021E+21	1,137510E+20	0,000000E+00	0,000000E+00	1,137785E+20	1,290220E+21
-2337	3,690012E+21	6,669870E+21	8,955613E+21	8,955454E+21	6,669585E+21	3,689771E+21	1,290029E+21	1,137078E+20	0,000000E+00	0,000000E+00	1,137158E+20	1,289997E+21
-2336	3,689628E+21	6,669529E+21	8,955815E+21	8,956049E+21	6,670081E+21	3,690031E+21	1,290171E+21	1,137448E+20	0,000000E+00	0,000000E+00	1,136942E+20	1,290000E+21
-2335	3,689969E+21	6,670184E+21	8,956258E+21	8,956179E+21	6,669929E+21	3,689727E+21	1,289889E+21	1,136753E+20	0,000000E+00	0,000000E+00	1,137250E+20	1,290119E+21
-2334	3,689963E+21	6,669987E+21	8,955958E+21	8,956076E+21	6,670183E+21	3,690031E+21	1,290046E+21	1,136698E+20	0,000000E+00	0,000000E+00	1,136510E+20	1,289901E+21
-2333	3,689744E+21	6,669987E+21	8,956325E+21	8,956404E+21	6,670323E+21	3,690083E+21	1,290089E+21	1,137084E+20	0,000000E+00	0,000000E+00	1,136852E+20	1,290046E+21
-2332	3,690149E+21	6,670491E+21	8,956563E+21	8,956304E+21	6,669968E+21	3,689756E+21	1,289877E+21	1,136462E+20	0,000000E+00	0,000000E+00	1,136918E+20	1,290034E+21
-2331	3,689894E+21	6,669975E+21	8,956088E+21	8,956248E+21	6,670233E+21	3,690034E+21	1,290093E+21	1,136966E+20	0,000000E+00	0,000000E+00	1,136583E+20	1,289899E+21
-2330	3,689792E+21	6,670093E+21	8,956306E+21	8,956254E+21	6,670062E+21	3,689840E+21	1,289981E+21	1,137054E+20	0,000000E+00	0,000000E+00	1,137323E+20	1,290148E+21
-2329	3,690077E+21	6,670140E+21	8,956020E+21	8,955815E+21	6,669745E+21	3,689748E+21	1,289946E+21	1,136795E+20	0,000000E+00	0,000000E+00	1,137197E+20	1,290059E+21
-2328	3,689711E+21	6,669471E+21	8,955558E+21	8,955772E+21	6,669921E+21	3,690002E+21	1,290204E+21	1,137670E+20	0,000000E+00	0,000000E+00	1,137284E+20	1,290028E+21
-2327	3,689852E+21	6,669800E+21	8,955619E+21	8,955470E+21	6,669468E+21	3,689644E+21	1,290009E+21	1,137471E+20	0,000000E+00	0,000000E+00	1,137994E+20	1,290233E+21
-2326	3,689864E+21	6,669439E+21	8,954970E+21	8,954874E+21	6,669269E+21	3,689752E+21	1,290153E+21	1,137749E+20	0,000000E+00	0,000000E+00	1,137726E+20	1,290061E+21
-2325	3,689458E+21	6,668900E+21	8,954741E+21	8,954881E+21	6,669331E+21	3,689860E+21	1,290303E+21	1,138456E+20	0,000000E+00	0,000000E+00	1,138143E+20	1,290174E+21
-2324	3,689756E+21	6,669225E+21	8,954727E+21	8,954540E+21	6,668812E+21	3,689450E+21	1,290067E+21	1,138018E+20	0,000000E+00	0,000000E+00	1,138567E+20	1,290296E+21
-2323	3,689637E+21	6,668707E+21	8,954050E+21	8,954203E+21	6,668927E+21	3,689706E+21	1,290265E+21	1,138355E+20	0,000000E+00	0,000000E+00	1,138144E+20	1,290124E+21
-2322	3,689476E+21	6,668759E+21	8,954332E+21	8,954371E+21	6,668910E+21	3,689626E+21	1,290218E+21	1,138472E+20	0,000000E+00	0,000000E+00	1,138514E+20	1,290312E+21
-2321	3,689883E+21	6,669217E+21	8,954504E+21	8,954243E+21	6,668683E+21	3,689464E+21	1,290086E+21	1,137956E+20	0,000000E+00	0,000000E+00	1,138348E+20	1,290225E+21
-2320	3,689583E+21	6,668800E+21	8,954437E+21	8,954627E+21	6,669172E+21	3,689810E+21	1,290304E+21	1,138332E+20	0,000000E+00	0,000000E+00	1,137776E+20	1,290056E+21
-2319	3,689626E+21	6,669310E+21	8,955049E+21	8,954961E+21	6,669168E+21	3,689595E+21	1,290091E+21	1,137975E+20	0,000000E+00	0,000000E+00	1,138196E+20	1,290253E+21
-2318	3,689829E+21	6,669362E+21	8,954964E+21	8,954897E+21	6,669240E+21	3,689687E+21	1,290086E+21	1,137512E+20	0,000000E+00	0,000000E+00	1,137583E+20	1,290058E+21
-2317	3,689534E+21	6,669075E+21	8,955081E+21	8,955379E+21	6,669723E+21	3,689977E+21	1,290238E+21	1,137894E+20	0,000000E+00	0,000000E+00	1,137399E+20	1,290057E+21

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°
-2316	3,689874E+21	6,669790E+21	8,955595E+21	8,955500E+21	6,669509E+21	3,689646E+21	1,289966E+21	1,137237E+20	0,000000E+00	0,000000E+00	1,137714E+20	1,290187E+21
-2315	3,689905E+21	6,669655E+21	8,955370E+21	8,955401E+21	6,669677E+21	3,689868E+21	1,290091E+21	1,137146E+20	0,000000E+00	0,000000E+00	1,136982E+20	1,289963E+21
-2314	3,689655E+21	6,669620E+21	8,955746E+21	8,955788E+21	6,669845E+21	3,689905E+21	1,290127E+21	1,137532E+20	0,000000E+00	0,000000E+00	1,137336E+20	1,290098E+21
-2313	3,690012E+21	6,670055E+21	8,955936E+21	8,955695E+21	6,669552E+21	3,689630E+21	1,289927E+21	1,136934E+20	0,000000E+00	0,000000E+00	1,137471E+20	1,290119E+21
-2312	3,689780E+21	6,669516E+21	8,955461E+21	8,955658E+21	6,669835E+21	3,689931E+21	1,290152E+21	1,137456E+20	0,000000E+00	0,000000E+00	1,137105E+20	1,289970E+21
-2311	3,689685E+21	6,669649E+21	8,955629E+21	8,955608E+21	6,669660E+21	3,689762E+21	1,290060E+21	1,137575E+20	0,000000E+00	0,000000E+00	1,137870E+20	1,290221E+21
-2310	3,689949E+21	6,669628E+21	8,955229E+21	8,955042E+21	6,669250E+21	3,689637E+21	1,290032E+21	1,137383E+20	0,000000E+00	0,000000E+00	1,137745E+20	1,290130E+21
-2309	3,689607E+21	6,668993E+21	8,954743E+21	8,954944E+21	6,669431E+21	3,689921E+21	1,290309E+21	1,138318E+20	0,000000E+00	0,000000E+00	1,137863E+20	1,290080E+21
-2308	3,689675E+21	6,669278E+21	8,954860E+21	8,954698E+21	6,668944E+21	3,689524E+21	1,290114E+21	1,138158E+20	0,000000E+00	0,000000E+00	1,138610E+20	1,290311E+21
-2307	3,689716E+21	6,668877E+21	8,954145E+21	8,954069E+21	6,668699E+21	3,689565E+21	1,290211E+21	1,138334E+20	0,000000E+00	0,000000E+00	1,138366E+20	1,290155E+21
-2306	3,689339E+21	6,668360E+21	8,953897E+21	8,954070E+21	6,668787E+21	3,689681E+21	1,290346E+21	1,138951E+20	0,000000E+00	0,000000E+00	1,138721E+20	1,290263E+21
-2305	3,689656E+21	6,668757E+21	8,953954E+21	8,953758E+21	6,668310E+21	3,689319E+21	1,290125E+21	1,138505E+20	0,000000E+00	0,000000E+00	1,139108E+20	1,290388E+21
-2304	3,689575E+21	6,668343E+21	8,953457E+21	8,953567E+21	6,668491E+21	3,689595E+21	1,290330E+21	1,138832E+20	0,000000E+00	0,000000E+00	1,138550E+20	1,290163E+21
-2303	3,689383E+21	6,668455E+21	8,953856E+21	8,953847E+21	6,668540E+21	3,689540E+21	1,290294E+21	1,138965E+20	0,000000E+00	0,000000E+00	1,138913E+20	1,290336E+21
-2302	3,689714E+21	6,668777E+21	8,953945E+21	8,953725E+21	6,668314E+21	3,689360E+21	1,290154E+21	1,138453E+20	0,000000E+00	0,000000E+00	1,138755E+20	1,290260E+21
-2301	3,689441E+21	6,668347E+21	8,953786E+21	8,954076E+21	6,668876E+21	3,689758E+21	1,290371E+21	1,138800E+20	0,000000E+00	0,000000E+00	1,138230E+20	1,290100E+21
-2300	3,689468E+21	6,668850E+21	8,954407E+21	8,954378E+21	6,668825E+21	3,689533E+21	1,290161E+21	1,138432E+20	0,000000E+00	0,000000E+00	1,138671E+20	1,290330E+21
-2299	3,689754E+21	6,668952E+21	8,954304E+21	8,954251E+21	6,668804E+21	3,689553E+21	1,290120E+21	1,137875E+20	0,000000E+00	0,000000E+00	1,138052E+20	1,290143E+21
-2298	3,689501E+21	6,668749E+21	8,954444E+21	8,954714E+21	6,669274E+21	3,689833E+21	1,290273E+21	1,138257E+20	0,000000E+00	0,000000E+00	1,137825E+20	1,290116E+21
-2297	3,689797E+21	6,669478E+21	8,955045E+21	8,954878E+21	6,669080E+21	3,689532E+21	1,290022E+21	1,137663E+20	0,000000E+00	0,000000E+00	1,138164E+20	1,290250E+21
-2296	3,689810E+21	6,669324E+21	8,954908E+21	8,954900E+21	6,669280E+21	3,689741E+21	1,290145E+21	1,137621E+20	0,000000E+00	0,000000E+00	1,137416E+20	1,290008E+21
-2295	3,689527E+21	6,669225E+21	8,955187E+21	8,955260E+21	6,669483E+21	3,689798E+21	1,290187E+21	1,138027E+20	0,000000E+00	0,000000E+00	1,137842E+20	1,290159E+21
-2294	3,689852E+21	6,669523E+21	8,955187E+21	8,955018E+21	6,669124E+21	3,689520E+21	1,289994E+21	1,137462E+20	0,000000E+00	0,000000E+00	1,138002E+20	1,290203E+21
-2293	3,689695E+21	6,669037E+21	8,954641E+21	8,954887E+21	6,669403E+21	3,689860E+21	1,290239E+21	1,138031E+20	0,000000E+00	0,000000E+00	1,137673E+20	1,290038E+21
-2292	3,689558E+21	6,669181E+21	8,954871E+21	8,954829E+21	6,669173E+21	3,689676E+21	1,290167E+21	1,138209E+20	0,000000E+00	0,000000E+00	1,138428E+20	1,290291E+21
-2291	3,689834E+21	6,669167E+21	8,954493E+21	8,954256E+21	6,668686E+21	3,689473E+21	1,290106E+21	1,137989E+20	0,000000E+00	0,000000E+00	1,138339E+20	1,290200E+21
-2290	3,689469E+21	6,668492E+21	8,953960E+21	8,954163E+21	6,668876E+21	3,689740E+21	1,290372E+21	1,138893E+20	0,000000E+00	0,000000E+00	1,138450E+20	1,290143E+21
-2289	3,689488E+21	6,668707E+21	8,954046E+21	8,953929E+21	6,668450E+21	3,689389E+21	1,290181E+21	1,138724E+20	0,000000E+00	0,000000E+00	1,139224E+20	1,290403E+21
-2288	3,689580E+21	6,668361E+21	8,953411E+21	8,953350E+21	6,668215E+21	3,689430E+21	1,290272E+21	1,138865E+20	0,000000E+00	0,000000E+00	1,138917E+20	1,290236E+21
-2287	3,689239E+21	6,667909E+21	8,953181E+21	8,953362E+21	6,668328E+21	3,689565E+21	1,290415E+21	1,139463E+20	0,000000E+00	0,000000E+00	1,139234E+20	1,290331E+21
-2286	3,689537E+21	6,668290E+21	8,953219E+21	8,953026E+21	6,667842E+21	3,689208E+21	1,290202E+21	1,139051E+20	0,000000E+00	0,000000E+00	1,139583E+20	1,290449E+21
-2285	3,689488E+21	6,667962E+21	8,952796E+21	8,952890E+21	6,668080E+21	3,689518E+21	1,290416E+21	1,139391E+20	0,000000E+00	0,000000E+00	1,139028E+20	1,290200E+21
-2284	3,689220E+21	6,668027E+21	8,953276E+21	8,953273E+21	6,668152E+21	3,689451E+21	1,290378E+21	1,139528E+20	0,000000E+00	0,000000E+00	1,139401E+20	1,290397E+21
-2283	3,689586E+21	6,668311E+21	8,953291E+21	8,953127E+21	6,667906E+21	3,689220E+21	1,290190E+21	1,138892E+20	0,000000E+00	0,000000E+00	1,139267E+20	1,290339E+21
-2282	3,689352E+21	6,667924E+21	8,953093E+21	8,953425E+21	6,668460E+21	3,689623E+21	1,290399E+21	1,139153E+20	0,000000E+00	0,000000E+00	1,138692E+20	1,290175E+21
-2281	3,689384E+21	6,668467E+21	8,953772E+21	8,953747E+21	6,668439E+21	3,689440E+21	1,290207E+21	1,138795E+20	0,000000E+00	0,000000E+00	1,139102E+20	1,290403E+21

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°
-2280	3,689700E+21	6,668671E+21	8,953829E+21	8,953704E+21	6,668420E+21	3,689451E+21	1,290171E+21	1,138258E+20	0,000000E+00	0,000000E+00	1,138402E+20	1,290181E+21
-2279	3,689423E+21	6,668487E+21	8,954017E+21	8,954219E+21	6,668911E+21	3,689733E+21	1,290332E+21	1,138686E+20	0,000000E+00	0,000000E+00	1,138205E+20	1,290146E+21
-2278	3,689642E+21	6,669055E+21	8,954478E+21	8,954340E+21	6,668708E+21	3,689423E+21	1,290084E+21	1,138146E+20	0,000000E+00	0,000000E+00	1,138593E+20	1,290302E+21
-2277	3,689691E+21	6,668891E+21	8,954235E+21	8,954294E+21	6,668945E+21	3,689670E+21	1,290212E+21	1,138130E+20	0,000000E+00	0,000000E+00	1,137925E+20	1,290068E+21
-2276	3,689386E+21	6,668761E+21	8,954513E+21	8,954615E+21	6,669088E+21	3,689719E+21	1,290266E+21	1,138563E+20	0,000000E+00	0,000000E+00	1,138382E+20	1,290247E+21
-2275	3,689771E+21	6,669058E+21	8,954430E+21	8,954277E+21	6,668635E+21	3,689378E+21	1,290051E+21	1,137970E+20	0,000000E+00	0,000000E+00	1,138558E+20	1,290288E+21
-2274	3,689621E+21	6,668623E+21	8,953889E+21	8,954096E+21	6,668877E+21	3,689713E+21	1,290307E+21	1,138561E+20	0,000000E+00	0,000000E+00	1,138224E+20	1,290103E+21
-2273	3,689416E+21	6,668722E+21	8,954170E+21	8,954077E+21	6,668659E+21	3,689549E+21	1,290252E+21	1,138802E+20	0,000000E+00	0,000000E+00	1,139001E+20	1,290356E+21
-2272	3,689665E+21	6,668668E+21	8,953819E+21	8,953567E+21	6,668192E+21	3,689327E+21	1,290182E+21	1,138600E+20	0,000000E+00	0,000000E+00	1,138916E+20	1,290266E+21
-2271	3,689304E+21	6,667959E+21	8,953190E+21	8,953430E+21	6,668405E+21	3,689606E+21	1,290439E+21	1,139468E+20	0,000000E+00	0,000000E+00	1,139054E+20	1,290224E+21
-2270	3,689320E+21	6,668086E+21	8,953134E+21	8,953078E+21	6,667927E+21	3,689257E+21	1,290254E+21	1,139309E+20	0,000000E+00	0,000000E+00	1,139807E+20	1,290499E+21
-2269	3,689502E+21	6,667867E+21	8,952537E+21	8,952502E+21	6,667726E+21	3,689327E+21	1,290355E+21	1,139458E+20	0,000000E+00	0,000000E+00	1,139482E+20	1,290306E+21
-2268	3,689129E+21	6,667484E+21	8,952488E+21	8,952615E+21	6,667836E+21	3,689454E+21	1,290506E+21	1,140063E+20	0,000000E+00	0,000000E+00	1,139752E+20	1,290400E+21
-2267	3,689437E+21	6,667870E+21	8,952576E+21	8,952347E+21	6,667346E+21	3,689051E+21	1,290262E+21	1,139589E+20	0,000000E+00	0,000000E+00	1,140108E+20	1,290509E+21
-2266	3,689370E+21	6,667546E+21	8,952172E+21	8,952274E+21	6,667644E+21	3,689370E+21	1,290460E+21	1,139836E+20	0,000000E+00	0,000000E+00	1,139532E+20	1,290260E+21
-2265	3,689072E+21	6,667573E+21	8,952649E+21	8,952687E+21	6,667792E+21	3,689360E+21	1,290427E+21	1,139937E+20	0,000000E+00	0,000000E+00	1,139884E+20	1,290469E+21
-2264	3,689481E+21	6,667922E+21	8,952742E+21	8,952584E+21	6,667560E+21	3,689131E+21	1,290234E+21	1,139258E+20	0,000000E+00	0,000000E+00	1,139679E+20	1,290401E+21
-2263	3,689289E+21	6,667601E+21	8,952539E+21	8,952860E+21	6,668113E+21	3,689541E+21	1,290449E+21	1,139516E+20	0,000000E+00	0,000000E+00	1,139062E+20	1,290222E+21
-2262	3,689283E+21	6,668083E+21	8,953162E+21	8,953125E+21	6,668058E+21	3,689357E+21	1,290276E+21	1,139241E+20	0,000000E+00	0,000000E+00	1,139458E+20	1,290444E+21
-2261	3,689619E+21	6,668341E+21	8,953271E+21	8,953123E+21	6,668061E+21	3,689375E+21	1,290250E+21	1,138773E+20	0,000000E+00	0,000000E+00	1,138814E+20	1,290212E+21
-2260	3,689268E+21	6,668078E+21	8,953483E+21	8,953687E+21	6,668539E+21	3,689633E+21	1,290408E+21	1,139231E+20	0,000000E+00	0,000000E+00	1,138680E+20	1,290210E+21
-2259	3,689520E+21	6,668585E+21	8,953814E+21	8,953715E+21	6,668288E+21	3,689285E+21	1,290129E+21	1,138624E+20	0,000000E+00	0,000000E+00	1,139130E+20	1,290387E+21
-2258	3,689612E+21	6,668464E+21	8,953520E+21	8,953573E+21	6,668474E+21	3,689528E+21	1,290254E+21	1,138570E+20	0,000000E+00	0,000000E+00	1,138463E+20	1,290150E+21
-2257	3,689291E+21	6,668329E+21	8,953808E+21	8,953896E+21	6,668642E+21	3,689617E+21	1,290331E+21	1,139042E+20	0,000000E+00	0,000000E+00	1,138899E+20	1,290316E+21
-2256	3,689672E+21	6,668686E+21	8,953846E+21	8,953617E+21	6,668181E+21	3,689259E+21	1,290121E+21	1,138496E+20	0,000000E+00	0,000000E+00	1,139047E+20	1,290337E+21
-2255	3,689489E+21	6,668208E+21	8,953269E+21	8,953431E+21	6,668417E+21	3,689589E+21	1,290383E+21	1,139132E+20	0,000000E+00	0,000000E+00	1,138758E+20	1,290151E+21
-2254	3,689209E+21	6,668111E+21	8,953359E+21	8,953336E+21	6,668192E+21	3,689429E+21	1,290335E+21	1,139413E+20	0,000000E+00	0,000000E+00	1,139572E+20	1,290428E+21
-2253	3,689513E+21	6,668089E+21	8,952934E+21	8,952755E+21	6,667730E+21	3,689227E+21	1,290267E+21	1,139229E+20	0,000000E+00	0,000000E+00	1,139548E+20	1,290350E+21
-2252	3,689153E+21	6,667399E+21	8,952359E+21	8,952604E+21	6,667882E+21	3,689484E+21	1,290523E+21	1,140072E+20	0,000000E+00	0,000000E+00	1,139673E+20	1,290331E+21
-2251	3,689247E+21	6,667582E+21	8,952294E+21	8,952216E+21	6,667357E+21	3,689089E+21	1,290313E+21	1,139862E+20	0,000000E+00	0,000000E+00	1,140404E+20	1,290592E+21
-2250	3,689447E+21	6,667481E+21	8,951814E+21	8,951685E+21	6,667163E+21	3,689163E+21	1,290414E+21	1,139978E+20	0,000000E+00	0,000000E+00	1,140038E+20	1,290375E+21
-2249	3,689012E+21	6,667082E+21	8,951885E+21	8,951960E+21	6,667371E+21	3,689327E+21	1,290574E+21	1,140591E+20	0,000000E+00	0,000000E+00	1,140271E+20	1,290457E+21
-2248	3,689296E+21	6,667457E+21	8,952038E+21	8,951806E+21	6,666964E+21	3,688933E+21	1,290320E+21	1,140092E+20	0,000000E+00	0,000000E+00	1,140598E+20	1,290564E+21
-2247	3,689235E+21	6,667111E+21	8,951569E+21	8,951709E+21	6,667299E+21	3,689282E+21	1,290512E+21	1,140267E+20	0,000000E+00	0,000000E+00	1,139996E+20	1,290321E+21
-2246	3,688928E+21	6,667051E+21	8,951918E+21	8,952027E+21	6,667416E+21	3,689288E+21	1,290492E+21	1,140381E+20	0,000000E+00	0,000000E+00	1,140298E+20	1,290530E+21
-2245	3,689405E+21	6,667521E+21	8,952052E+21	8,951922E+21	6,667202E+21	3,689075E+21	1,290311E+21	1,139728E+20	0,000000E+00	0,000000E+00	1,140077E+20	1,290439E+21

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°
-2244	3,689184E+21	6,667262E+21	8,952011E+21	8,952260E+21	6,667712E+21	3,689455E+21	1,290527E+21	1,140007E+20	0,000000E+00	0,000000E+00	1,139455E+20	1,290272E+21
-2243	3,689194E+21	6,667705E+21	8,952601E+21	8,952528E+21	6,667622E+21	3,689214E+21	1,290326E+21	1,139707E+20	0,000000E+00	0,000000E+00	1,139897E+20	1,290494E+21
-2242	3,689518E+21	6,667963E+21	8,952703E+21	8,952546E+21	6,667646E+21	3,689230E+21	1,290285E+21	1,139182E+20	0,000000E+00	0,000000E+00	1,139296E+20	1,290278E+21
-2241	3,689152E+21	6,667668E+21	8,952907E+21	8,953121E+21	6,668167E+21	3,689525E+21	1,290446E+21	1,139627E+20	0,000000E+00	0,000000E+00	1,139184E+20	1,290289E+21
-2240	3,689433E+21	6,668207E+21	8,953262E+21	8,953143E+21	6,667911E+21	3,689180E+21	1,290174E+21	1,139027E+20	0,000000E+00	0,000000E+00	1,139599E+20	1,290457E+21
-2239	3,689547E+21	6,668114E+21	8,952932E+21	8,952953E+21	6,668083E+21	3,689433E+21	1,290309E+21	1,139003E+20	0,000000E+00	0,000000E+00	1,138935E+20	1,290208E+21
-2238	3,689167E+21	6,667864E+21	8,953101E+21	8,953173E+21	6,668198E+21	3,689530E+21	1,290418E+21	1,139592E+20	0,000000E+00	0,000000E+00	1,139375E+20	1,290362E+21
-2237	3,689535E+21	6,668212E+21	8,953121E+21	8,952902E+21	6,667741E+21	3,689169E+21	1,290221E+21	1,139145E+20	0,000000E+00	0,000000E+00	1,139599E+20	1,290386E+21
-2236	3,689297E+21	6,667652E+21	8,952519E+21	8,952692E+21	6,667927E+21	3,689465E+21	1,290475E+21	1,139798E+20	0,000000E+00	0,000000E+00	1,139385E+20	1,290245E+21
-2235	3,689071E+21	6,667491E+21	8,952442E+21	8,952460E+21	6,667628E+21	3,689261E+21	1,290396E+21	1,140007E+20	0,000000E+00	0,000000E+00	1,140230E+20	1,290534E+21
-2234	3,689429E+21	6,667569E+21	8,952052E+21	8,951839E+21	6,667119E+21	3,689051E+21	1,290323E+21	1,139773E+20	0,000000E+00	0,000000E+00	1,140193E+20	1,290452E+21
-2233	3,689072E+21	6,666945E+21	8,951594E+21	8,951777E+21	6,667327E+21	3,689335E+21	1,290586E+21	1,140606E+20	0,000000E+00	0,000000E+00	1,140250E+20	1,290409E+21
-2232	3,689157E+21	6,667218E+21	8,951711E+21	8,951525E+21	6,666862E+21	3,688952E+21	1,290384E+21	1,140417E+20	0,000000E+00	0,000000E+00	1,140916E+20	1,290643E+21
-2231	3,689322E+21	6,667088E+21	8,951260E+21	8,951092E+21	6,666740E+21	3,689043E+21	1,290480E+21	1,140514E+20	0,000000E+00	0,000000E+00	1,140543E+20	1,290416E+21
-2230	3,688818E+21	6,666521E+21	8,951167E+21	8,951335E+21	6,666998E+21	3,689247E+21	1,290652E+21	1,141134E+20	0,000000E+00	0,000000E+00	1,140755E+20	1,290509E+21
-2229	3,689147E+21	6,666939E+21	8,951287E+21	8,951162E+21	6,666627E+21	3,688884E+21	1,290405E+21	1,140636E+20	0,000000E+00	0,000000E+00	1,141093E+20	1,290620E+21
-2228	3,689088E+21	6,666614E+21	8,950872E+21	8,951043E+21	6,666896E+21	3,689209E+21	1,290593E+21	1,140765E+20	0,000000E+00	0,000000E+00	1,140463E+20	1,290401E+21
-2227	3,688856E+21	6,666594E+21	8,951182E+21	8,951297E+21	6,666954E+21	3,689167E+21	1,290549E+21	1,140833E+20	0,000000E+00	0,000000E+00	1,140745E+20	1,290592E+21
-2226	3,689350E+21	6,667198E+21	8,951455E+21	8,951223E+21	6,666701E+21	3,688932E+21	1,290362E+21	1,140149E+20	0,000000E+00	0,000000E+00	1,140525E+20	1,290494E+21
-2225	3,689084E+21	6,666923E+21	8,951516E+21	8,951705E+21	6,667289E+21	3,689318E+21	1,290570E+21	1,140427E+20	0,000000E+00	0,000000E+00	1,139906E+20	1,290328E+21
-2224	3,689093E+21	6,667374E+21	8,952149E+21	8,952056E+21	6,667270E+21	3,689087E+21	1,290359E+21	1,140111E+20	0,000000E+00	0,000000E+00	1,140356E+20	1,290559E+21
-2223	3,689436E+21	6,667609E+21	8,952177E+21	8,952028E+21	6,667307E+21	3,689127E+21	1,290315E+21	1,139549E+20	0,000000E+00	0,000000E+00	1,139746E+20	1,290344E+21
-2222	3,689049E+21	6,667214E+21	8,952233E+21	8,952495E+21	6,667804E+21	3,689454E+21	1,290508E+21	1,140057E+20	0,000000E+00	0,000000E+00	1,139610E+20	1,290345E+21
-2221	3,689357E+21	6,667818E+21	8,952599E+21	8,952502E+21	6,667550E+21	3,689128E+21	1,290263E+21	1,139555E+20	0,000000E+00	0,000000E+00	1,140031E+20	1,290489E+21
-2220	3,689403E+21	6,667698E+21	8,952340E+21	8,952309E+21	6,667645E+21	3,689348E+21	1,290406E+21	1,139591E+20	0,000000E+00	0,000000E+00	1,139432E+20	1,290267E+21
-2219	3,689027E+21	6,667335E+21	8,952356E+21	8,952444E+21	6,667698E+21	3,689388E+21	1,290491E+21	1,140175E+20	0,000000E+00	0,000000E+00	1,139946E+20	1,290426E+21
-2218	3,689389E+21	6,667685E+21	8,952332E+21	8,952107E+21	6,667201E+21	3,689013E+21	1,290281E+21	1,139689E+20	0,000000E+00	0,000000E+00	1,140238E+20	1,290478E+21
-2217	3,689164E+21	6,667118E+21	8,951727E+21	8,951898E+21	6,667396E+21	3,689315E+21	1,290529E+21	1,140323E+20	0,000000E+00	0,000000E+00	1,140025E+20	1,290347E+21
-2216	3,688988E+21	6,667042E+21	8,951711E+21	8,951684E+21	6,667097E+21	3,689106E+21	1,290452E+21	1,140526E+20	0,000000E+00	0,000000E+00	1,140812E+20	1,290624E+21
-2215	3,689365E+21	6,667169E+21	8,951360E+21	8,951089E+21	6,666616E+21	3,688913E+21	1,290385E+21	1,140308E+20	0,000000E+00	0,000000E+00	1,140739E+20	1,290517E+21
-2214	3,688942E+21	6,666463E+21	8,950872E+21	8,951031E+21	6,666841E+21	3,689230E+21	1,290678E+21	1,141210E+20	0,000000E+00	0,000000E+00	1,140767E+20	1,290457E+21
-2213	3,689001E+21	6,666718E+21	8,951004E+21	8,950871E+21	6,666455E+21	3,688873E+21	1,290492E+21	1,141096E+20	0,000000E+00	0,000000E+00	1,141457E+20	1,290684E+21
-2212	3,689115E+21	6,666525E+21	8,950551E+21	8,950447E+21	6,666331E+21	3,688958E+21	1,290574E+21	1,141140E+20	0,000000E+00	0,000000E+00	1,141131E+20	1,290504E+21
-2211	3,688684E+21	6,665917E+21	8,950288E+21	8,950539E+21	6,666517E+21	3,689124E+21	1,290715E+21	1,141659E+20	0,000000E+00	0,000000E+00	1,141315E+20	1,290592E+21
-2210	3,689054E+21	6,666461E+21	8,950483E+21	8,950343E+21	6,666099E+21	3,688750E+21	1,290459E+21	1,141082E+20	0,000000E+00	0,000000E+00	1,141615E+20	1,290701E+21
-2209	3,689017E+21	6,666238E+21	8,950233E+21	8,950339E+21	6,666406E+21	3,689068E+21	1,290638E+21	1,141175E+20	0,000000E+00	0,000000E+00	1,140916E+20	1,290463E+21

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°
-2208	3,688795E+21	6,666322E+21	8,950706E+21	8,950716E+21	6,666509E+21	3,689025E+21	1,290593E+21	1,141246E+20	0,000000E+00	0,000000E+00	1,141152E+20	1,290637E+21
-2207	3,689265E+21	6,666903E+21	8,951025E+21	8,950763E+21	6,666348E+21	3,688808E+21	1,290394E+21	1,140528E+20	0,000000E+00	0,000000E+00	1,140928E+20	1,290536E+21
-2206	3,688953E+21	6,666506E+21	8,950959E+21	8,951209E+21	6,666978E+21	3,689237E+21	1,290617E+21	1,140823E+20	0,000000E+00	0,000000E+00	1,140313E+20	1,290381E+21
-2205	3,688994E+21	6,666976E+21	8,951557E+21	8,951548E+21	6,666992E+21	3,689045E+21	1,290430E+21	1,140567E+20	0,000000E+00	0,000000E+00	1,140776E+20	1,290605E+21
-2204	3,689319E+21	6,667206E+21	8,951606E+21	8,951483E+21	6,666965E+21	3,689068E+21	1,290391E+21	1,140014E+20	0,000000E+00	0,000000E+00	1,140191E+20	1,290416E+21
-2203	3,688978E+21	6,666781E+21	8,951517E+21	8,951789E+21	6,667362E+21	3,689352E+21	1,290578E+21	1,140549E+20	0,000000E+00	0,000000E+00	1,140076E+20	1,290394E+21
-2202	3,689250E+21	6,667427E+21	8,951952E+21	8,951773E+21	6,667034E+21	3,689000E+21	1,290338E+21	1,140075E+20	0,000000E+00	0,000000E+00	1,140550E+20	1,290543E+21
-2201	3,689252E+21	6,667231E+21	8,951692E+21	8,951643E+21	6,667148E+21	3,689198E+21	1,290472E+21	1,140146E+20	0,000000E+00	0,000000E+00	1,140015E+20	1,290340E+21
-2200	3,688893E+21	6,666862E+21	8,951654E+21	8,951747E+21	6,667213E+21	3,689236E+21	1,290547E+21	1,140716E+20	0,000000E+00	0,000000E+00	1,140554E+20	1,290517E+21
-2199	3,689282E+21	6,667199E+21	8,951571E+21	8,951351E+21	6,666705E+21	3,688868E+21	1,290330E+21	1,140200E+20	0,000000E+00	0,000000E+00	1,140832E+20	1,290569E+21
-2198	3,689052E+21	6,666583E+21	8,950883E+21	8,951074E+21	6,666883E+21	3,689193E+21	1,290601E+21	1,140877E+20	0,000000E+00	0,000000E+00	1,140582E+20	1,290424E+21
-2197	3,688900E+21	6,666591E+21	8,950949E+21	8,950930E+21	6,666627E+21	3,689010E+21	1,290553E+21	1,141176E+20	0,000000E+00	0,000000E+00	1,141343E+20	1,290670E+21
-2196	3,689204E+21	6,666690E+21	8,950691E+21	8,950396E+21	6,666133E+21	3,688807E+21	1,290490E+21	1,140989E+20	0,000000E+00	0,000000E+00	1,141314E+20	1,290583E+21
-2195	3,688779E+21	6,665880E+21	8,950058E+21	8,950279E+21	6,666346E+21	3,689097E+21	1,290761E+21	1,141837E+20	0,000000E+00	0,000000E+00	1,141370E+20	1,290523E+21
-2194	3,688837E+21	6,666170E+21	8,950200E+21	8,950080E+21	6,665936E+21	3,688744E+21	1,290562E+21	1,141648E+20	0,000000E+00	0,000000E+00	1,142080E+20	1,290771E+21
-2193	3,688972E+21	6,665985E+21	8,949765E+21	8,949693E+21	6,665837E+21	3,688829E+21	1,290630E+21	1,141618E+20	0,000000E+00	0,000000E+00	1,141715E+20	1,290598E+21
-2192	3,688617E+21	6,665513E+21	8,949581E+21	8,949818E+21	6,666039E+21	3,688985E+21	1,290759E+21	1,142077E+20	0,000000E+00	0,000000E+00	1,141808E+20	1,290671E+21
-2191	3,689008E+21	6,666139E+21	8,949880E+21	8,949676E+21	6,665649E+21	3,688618E+21	1,290498E+21	1,141481E+20	0,000000E+00	0,000000E+00	1,142029E+20	1,290750E+21
-2190	3,688917E+21	6,665877E+21	8,949668E+21	8,949738E+21	6,665989E+21	3,688958E+21	1,290699E+21	1,141619E+20	0,000000E+00	0,000000E+00	1,141295E+20	1,290500E+21
-2189	3,688685E+21	6,665965E+21	8,950197E+21	8,950252E+21	6,666192E+21	3,688941E+21	1,290669E+21	1,141768E+20	0,000000E+00	0,000000E+00	1,141553E+20	1,290668E+21
-2188	3,689107E+21	6,666482E+21	8,950500E+21	8,950305E+21	6,666049E+21	3,688740E+21	1,290464E+21	1,141015E+20	0,000000E+00	0,000000E+00	1,141385E+20	1,290610E+21
-2187	3,688855E+21	6,666043E+21	8,950262E+21	8,950585E+21	6,666600E+21	3,689144E+21	1,290671E+21	1,141257E+20	0,000000E+00	0,000000E+00	1,140774E+20	1,290447E+21
-2186	3,688917E+21	6,666600E+21	8,950905E+21	8,950862E+21	6,666550E+21	3,688949E+21	1,290491E+21	1,140983E+20	0,000000E+00	0,000000E+00	1,141235E+20	1,290664E+21
-2185	3,689226E+21	6,666849E+21	8,951026E+21	8,950859E+21	6,666528E+21	3,688954E+21	1,290449E+21	1,140456E+20	0,000000E+00	0,000000E+00	1,140651E+20	1,290468E+21
-2184	3,688888E+21	6,666456E+21	8,950964E+21	8,951183E+21	6,666915E+21	3,689216E+21	1,290634E+21	1,141028E+20	0,000000E+00	0,000000E+00	1,140563E+20	1,290447E+21
-2183	3,689116E+21	6,667006E+21	8,951349E+21	8,951188E+21	6,666617E+21	3,688862E+21	1,290384E+21	1,140550E+20	0,000000E+00	0,000000E+00	1,141061E+20	1,290604E+21
-2182	3,689093E+21	6,666699E+21	8,950938E+21	8,950955E+21	6,666715E+21	3,689084E+21	1,290535E+21	1,140663E+20	0,000000E+00	0,000000E+00	1,140570E+20	1,290423E+21
-2181	3,688779E+21	6,666353E+21	8,950870E+21	8,951034E+21	6,666774E+21	3,689138E+21	1,290633E+21	1,141304E+20	0,000000E+00	0,000000E+00	1,141106E+20	1,290589E+21
-2180	3,689156E+21	6,666708E+21	8,950818E+21	8,950616E+21	6,666233E+21	3,688767E+21	1,290421E+21	1,140806E+20	0,000000E+00	0,000000E+00	1,141416E+20	1,290664E+21
-2179	3,688967E+21	6,666089E+21	8,950036E+21	8,950204E+21	6,666320E+21	3,689051E+21	1,290683E+21	1,141491E+20	0,000000E+00	0,000000E+00	1,141170E+20	1,290490E+21
-2178	3,688770E+21	6,666124E+21	8,950198E+21	8,950097E+21	6,666040E+21	3,688864E+21	1,290642E+21	1,141801E+20	0,000000E+00	0,000000E+00	1,141958E+20	1,290737E+21
-2177	3,689030E+21	6,666153E+21	8,949956E+21	8,949688E+21	6,665621E+21	3,688651E+21	1,290562E+21	1,141606E+20	0,000000E+00	0,000000E+00	1,141973E+20	1,290669E+21
-2176	3,688646E+21	6,665373E+21	8,949266E+21	8,949524E+21	6,665852E+21	3,688950E+21	1,290818E+21	1,142381E+20	0,000000E+00	0,000000E+00	1,141997E+20	1,290618E+21
-2175	3,688721E+21	6,665670E+21	8,949418E+21	8,949322E+21	6,665453E+21	3,688610E+21	1,290610E+21	1,142124E+20	0,000000E+00	0,000000E+00	1,142609E+20	1,290848E+21
-2174	3,688865E+21	6,665498E+21	8,948979E+21	8,948921E+21	6,665356E+21	3,688717E+21	1,290698E+21	1,142100E+20	0,000000E+00	0,000000E+00	1,142175E+20	1,290658E+21
-2173	3,688531E+21	6,665132E+21	8,948937E+21	8,949163E+21	6,665614E+21	3,688892E+21	1,290847E+21	1,142625E+20	0,000000E+00	0,000000E+00	1,142203E+20	1,290698E+21

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°
-2172	3,688858E+21	6,665754E+21	8,949357E+21	8,949142E+21	6,665271E+21	3,688528E+21	1,290582E+21	1,142025E+20	0,000000E+00	0,000000E+00	1,142466E+20	1,290801E+21
-2171	3,688786E+21	6,665424E+21	8,949025E+21	8,949152E+21	6,665604E+21	3,688842E+21	1,290753E+21	1,142097E+20	0,000000E+00	0,000000E+00	1,141756E+20	1,290553E+21
-2170	3,688564E+21	6,665562E+21	8,949592E+21	8,949647E+21	6,665799E+21	3,688842E+21	1,290722E+21	1,142195E+20	0,000000E+00	0,000000E+00	1,142042E+20	1,290739E+21
-2169	3,689000E+21	6,666070E+21	8,949910E+21	8,949755E+21	6,665681E+21	3,688637E+21	1,290509E+21	1,141405E+20	0,000000E+00	0,000000E+00	1,141858E+20	1,290685E+21
-2168	3,688811E+21	6,665738E+21	8,949682E+21	8,949993E+21	6,666212E+21	3,689034E+21	1,290713E+21	1,141631E+20	0,000000E+00	0,000000E+00	1,141217E+20	1,290513E+21
-2167	3,688849E+21	6,666296E+21	8,950367E+21	8,950272E+21	6,666151E+21	3,688838E+21	1,290536E+21	1,141378E+20	0,000000E+00	0,000000E+00	1,141630E+20	1,290699E+21
-2166	3,689087E+21	6,666442E+21	8,950433E+21	8,950258E+21	6,666122E+21	3,688852E+21	1,290519E+21	1,140937E+20	0,000000E+00	0,000000E+00	1,141094E+20	1,290516E+21
-2165	3,688752E+21	6,666013E+21	8,950330E+21	8,950618E+21	6,666546E+21	3,689120E+21	1,290717E+21	1,141607E+20	0,000000E+00	0,000000E+00	1,141063E+20	1,290502E+21
-2164	3,688950E+21	6,666489E+21	8,950631E+21	8,950540E+21	6,666217E+21	3,688768E+21	1,290463E+21	1,141119E+20	0,000000E+00	0,000000E+00	1,141632E+20	1,290702E+21
-2163	3,688990E+21	6,666153E+21	8,950056E+21	8,950115E+21	6,666194E+21	3,688944E+21	1,290598E+21	1,141215E+20	0,000000E+00	0,000000E+00	1,141154E+20	1,290512E+21
-2162	3,688699E+21	6,665919E+21	8,950088E+21	8,950163E+21	6,666189E+21	3,688988E+21	1,290704E+21	1,141852E+20	0,000000E+00	0,000000E+00	1,141692E+20	1,290667E+21
-2161	3,689043E+21	6,666265E+21	8,950112E+21	8,949852E+21	6,665685E+21	3,688613E+21	1,290495E+21	1,141397E+20	0,000000E+00	0,000000E+00	1,142004E+20	1,290732E+21
-2160	3,688853E+21	6,665682E+21	8,949363E+21	8,949488E+21	6,665802E+21	3,688893E+21	1,290750E+21	1,142074E+20	0,000000E+00	0,000000E+00	1,141785E+20	1,290562E+21
-2159	3,688615E+21	6,665625E+21	8,949486E+21	8,949412E+21	6,665578E+21	3,688723E+21	1,290699E+21	1,142349E+20	0,000000E+00	0,000000E+00	1,142531E+20	1,290801E+21
-2158	3,688850E+21	6,665568E+21	8,949127E+21	8,948937E+21	6,665174E+21	3,688551E+21	1,290637E+21	1,142162E+20	0,000000E+00	0,000000E+00	1,142557E+20	1,290753E+21
-2157	3,688521E+21	6,664844E+21	8,948456E+21	8,948795E+21	6,665415E+21	3,688860E+21	1,290908E+21	1,142963E+20	0,000000E+00	0,000000E+00	1,142515E+20	1,290685E+21
-2156	3,688585E+21	6,665172E+21	8,948663E+21	8,948597E+21	6,665008E+21	3,688518E+21	1,290699E+21	1,142694E+20	0,000000E+00	0,000000E+00	1,143113E+20	1,290923E+21
-2155	3,688766E+21	6,665035E+21	8,948206E+21	8,948118E+21	6,664835E+21	3,688583E+21	1,290772E+21	1,142651E+20	0,000000E+00	0,000000E+00	1,142662E+20	1,290711E+21
-2154	3,688414E+21	6,664744E+21	8,948326E+21	8,948454E+21	6,665096E+21	3,688749E+21	1,290916E+21	1,143151E+20	0,000000E+00	0,000000E+00	1,142710E+20	1,290756E+21
-2153	3,688715E+21	6,665315E+21	8,948774E+21	8,948586E+21	6,664871E+21	3,688398E+21	1,290634E+21	1,142519E+20	0,000000E+00	0,000000E+00	1,142999E+20	1,290878E+21
-2152	3,688707E+21	6,665063E+21	8,948423E+21	8,948566E+21	6,665224E+21	3,688718E+21	1,290784E+21	1,142490E+20	0,000000E+00	0,000000E+00	1,142269E+20	1,290641E+21
-2151	3,688501E+21	6,665207E+21	8,949007E+21	8,949069E+21	6,665434E+21	3,688734E+21	1,290748E+21	1,142536E+20	0,000000E+00	0,000000E+00	1,142445E+20	1,290796E+21
-2150	3,688920E+21	6,665706E+21	8,949313E+21	8,949166E+21	6,665326E+21	3,688557E+21	1,290564E+21	1,141788E+20	0,000000E+00	0,000000E+00	1,142231E+20	1,290730E+21
-2149	3,688726E+21	6,665412E+21	8,949153E+21	8,949456E+21	6,665863E+21	3,688961E+21	1,290794E+21	1,142125E+20	0,000000E+00	0,000000E+00	1,141575E+20	1,290533E+21
-2148	3,688680E+21	6,665876E+21	8,949837E+21	8,949771E+21	6,665817E+21	3,688765E+21	1,290619E+21	1,141904E+20	0,000000E+00	0,000000E+00	1,142073E+20	1,290749E+21
-2147	3,688936E+21	6,665939E+21	8,949704E+21	8,949579E+21	6,665695E+21	3,688733E+21	1,290581E+21	1,141454E+20	0,000000E+00	0,000000E+00	1,141612E+20	1,290584E+21
-2146	3,688624E+21	6,665547E+21	8,949600E+21	8,949844E+21	6,666048E+21	3,688993E+21	1,290777E+21	1,142104E+20	0,000000E+00	0,000000E+00	1,141642E+20	1,290592E+21
-2145	3,688843E+21	6,666011E+21	8,949902E+21	8,949814E+21	6,665732E+21	3,688631E+21	1,290520E+21	1,141620E+20	0,000000E+00	0,000000E+00	1,142215E+20	1,290799E+21
-2144	3,688952E+21	6,665794E+21	8,949338E+21	8,949336E+21	6,665670E+21	3,688784E+21	1,290648E+21	1,141719E+20	0,000000E+00	0,000000E+00	1,141733E+20	1,290596E+21
-2143	3,688618E+21	6,665541E+21	8,949438E+21	8,949431E+21	6,665678E+21	3,688836E+21	1,290761E+21	1,142380E+20	0,000000E+00	0,000000E+00	1,142202E+20	1,290714E+21
-2142	3,688876E+21	6,665766E+21	8,949414E+21	8,949162E+21	6,665216E+21	3,688491E+21	1,290582E+21	1,142021E+20	0,000000E+00	0,000000E+00	1,142572E+20	1,290790E+21
-2141	3,688672E+21	6,665123E+21	8,948613E+21	8,948824E+21	6,665379E+21	3,688796E+21	1,290852E+21	1,142762E+20	0,000000E+00	0,000000E+00	1,142384E+20	1,290628E+21
-2140	3,688410E+21	6,664996E+21	8,948648E+21	8,948675E+21	6,665151E+21	3,688644E+21	1,290797E+21	1,142993E+20	0,000000E+00	0,000000E+00	1,143149E+20	1,290895E+21
-2139	3,688711E+21	6,664950E+21	8,948152E+21	8,948007E+21	6,664624E+21	3,688426E+21	1,290719E+21	1,142766E+20	0,000000E+00	0,000000E+00	1,143157E+20	1,290838E+21
-2138	3,688424E+21	6,664377E+21	8,947629E+21	8,947867E+21	6,664815E+21	3,688715E+21	1,290984E+21	1,143522E+20	0,000000E+00	0,000000E+00	1,143077E+20	1,290759E+21
-2137	3,688471E+21	6,664723E+21	8,947971E+21	8,947846E+21	6,664476E+21	3,688364E+21	1,290766E+21	1,143252E+20	0,000000E+00	0,000000E+00	1,143648E+20	1,290989E+21

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°
-2136	3,688680E+21	6,664671E+21	8,947602E+21	8,947468E+21	6,664357E+21	3,688416E+21	1,290814E+21	1,143134E+20	0,000000E+00	0,000000E+00	1,143204E+20	1,290786E+21
-2135	3,688311E+21	6,664359E+21	8,947770E+21	8,947899E+21	6,664705E+21	3,688608E+21	1,290941E+21	1,143551E+20	0,000000E+00	0,000000E+00	1,143169E+20	1,290816E+21
-2134	3,688594E+21	6,664880E+21	8,948162E+21	8,948033E+21	6,664546E+21	3,688325E+21	1,290687E+21	1,142921E+20	0,000000E+00	0,000000E+00	1,143445E+20	1,290945E+21
-2133	3,688627E+21	6,664693E+21	8,947875E+21	8,948068E+21	6,664927E+21	3,688665E+21	1,290853E+21	1,142916E+20	0,000000E+00	0,000000E+00	1,142649E+20	1,290689E+21
-2132	3,688402E+21	6,664838E+21	8,948453E+21	8,948533E+21	6,665128E+21	3,688691E+21	1,290824E+21	1,142977E+20	0,000000E+00	0,000000E+00	1,142814E+20	1,290835E+21
-2131	3,688806E+21	6,665301E+21	8,948671E+21	8,948498E+21	6,664908E+21	3,688466E+21	1,290636E+21	1,142266E+20	0,000000E+00	0,000000E+00	1,142628E+20	1,290762E+21
-2130	3,688595E+21	6,665033E+21	8,948584E+21	8,948795E+21	6,665399E+21	3,688837E+21	1,290860E+21	1,142624E+20	0,000000E+00	0,000000E+00	1,142064E+20	1,290590E+21
-2129	3,688529E+21	6,665383E+21	8,949185E+21	8,949157E+21	6,665403E+21	3,688636E+21	1,290675E+21	1,142408E+20	0,000000E+00	0,000000E+00	1,142620E+20	1,290833E+21
-2128	3,688862E+21	6,665526E+21	8,949004E+21	8,948870E+21	6,665231E+21	3,688586E+21	1,290617E+21	1,141904E+20	0,000000E+00	0,000000E+00	1,142192E+20	1,290688E+21
-2127	3,688572E+21	6,665161E+21	8,948936E+21	8,949128E+21	6,665560E+21	3,688835E+21	1,290807E+21	1,142526E+20	0,000000E+00	0,000000E+00	1,142134E+20	1,290661E+21
-2126	3,688755E+21	6,665601E+21	8,949227E+21	8,949100E+21	6,665273E+21	3,688520E+21	1,290590E+21	1,142130E+20	0,000000E+00	0,000000E+00	1,142704E+20	1,290853E+21
-2125	3,688838E+21	6,665389E+21	8,948746E+21	8,948715E+21	6,665238E+21	3,688682E+21	1,290741E+21	1,142343E+20	0,000000E+00	0,000000E+00	1,142239E+20	1,290635E+21
-2124	3,688426E+21	6,665011E+21	8,948764E+21	8,948817E+21	6,665286E+21	3,688752E+21	1,290858E+21	1,143020E+20	0,000000E+00	0,000000E+00	1,142775E+20	1,290773E+21
-2123	3,688679E+21	6,665130E+21	8,948522E+21	8,948350E+21	6,664737E+21	3,688382E+21	1,290670E+21	1,142669E+20	0,000000E+00	0,000000E+00	1,143211E+20	1,290872E+21
-2122	3,688513E+21	6,664541E+21	8,947732E+21	8,947909E+21	6,664816E+21	3,688675E+21	1,290936E+21	1,143370E+20	0,000000E+00	0,000000E+00	1,143059E+20	1,290732E+21
-2121	3,688282E+21	6,664403E+21	8,947762E+21	8,947815E+21	6,664602E+21	3,688505E+21	1,290872E+21	1,143575E+20	0,000000E+00	0,000000E+00	1,143779E+20	1,290996E+21
-2120	3,688661E+21	6,664530E+21	8,947338E+21	8,947115E+21	6,664033E+21	3,688254E+21	1,290774E+21	1,143298E+20	0,000000E+00	0,000000E+00	1,143765E+20	1,290930E+21
-2119	3,688352E+21	6,663998E+21	8,946980E+21	8,947104E+21	6,664255E+21	3,688530E+21	1,291025E+21	1,144007E+20	0,000000E+00	0,000000E+00	1,143568E+20	1,290813E+21
-2118	3,688341E+21	6,664288E+21	8,947356E+21	8,947222E+21	6,664038E+21	3,688236E+21	1,290831E+21	1,143781E+20	0,000000E+00	0,000000E+00	1,144158E+20	1,291052E+21
-2117	3,688554E+21	6,664232E+21	8,947023E+21	8,946946E+21	6,664012E+21	3,688324E+21	1,290885E+21	1,143669E+20	0,000000E+00	0,000000E+00	1,143681E+20	1,290843E+21
-2116	3,688174E+21	6,663892E+21	8,947151E+21	8,947362E+21	6,664404E+21	3,688558E+21	1,291013E+21	1,144026E+20	0,000000E+00	0,000000E+00	1,143617E+20	1,290878E+21
-2115	3,688492E+21	6,664425E+21	8,947439E+21	8,947339E+21	6,664147E+21	3,688250E+21	1,290757E+21	1,143386E+20	0,000000E+00	0,000000E+00	1,143859E+20	1,290989E+21
-2114	3,688531E+21	6,664338E+21	8,947271E+21	8,947357E+21	6,664476E+21	3,688576E+21	1,290924E+21	1,143367E+20	0,000000E+00	0,000000E+00	1,143062E+20	1,290729E+21
-2113	3,688271E+21	6,664420E+21	8,947890E+21	8,947953E+21	6,664725E+21	3,688586E+21	1,290891E+21	1,143456E+20	0,000000E+00	0,000000E+00	1,143247E+20	1,290876E+21
-2112	3,688701E+21	6,664928E+21	8,948093E+21	8,947900E+21	6,664485E+21	3,688324E+21	1,290675E+21	1,142699E+20	0,000000E+00	0,000000E+00	1,143132E+20	1,290831E+21
-2111	3,688493E+21	6,664637E+21	8,948001E+21	8,948199E+21	6,664982E+21	3,688685E+21	1,290879E+21	1,143004E+20	0,000000E+00	0,000000E+00	1,142531E+20	1,290658E+21
-2110	3,688427E+21	6,664946E+21	8,948539E+21	8,948534E+21	6,665011E+21	3,688536E+21	1,290727E+21	1,142837E+20	0,000000E+00	0,000000E+00	1,143115E+20	1,290912E+21
-2109	3,688793E+21	6,665131E+21	8,948406E+21	8,948284E+21	6,664842E+21	3,688491E+21	1,290687E+21	1,142402E+20	0,000000E+00	0,000000E+00	1,142660E+20	1,290751E+21
-2108	3,688477E+21	6,664759E+21	8,948320E+21	8,948504E+21	6,665171E+21	3,688760E+21	1,290889E+21	1,143058E+20	0,000000E+00	0,000000E+00	1,142619E+20	1,290711E+21
-2107	3,688616E+21	6,665121E+21	8,948495E+21	8,948336E+21	6,664782E+21	3,688414E+21	1,290683E+21	1,142747E+20	0,000000E+00	0,000000E+00	1,143239E+20	1,290901E+21
-2106	3,688669E+21	6,664883E+21	8,948024E+21	8,947935E+21	6,664719E+21	3,688560E+21	1,290831E+21	1,142994E+20	0,000000E+00	0,000000E+00	1,142894E+20	1,290716E+21
-2105	3,688246E+21	6,664373E+21	8,947905E+21	8,948041E+21	6,664799E+21	3,688630E+21	1,290940E+21	1,143657E+20	0,000000E+00	0,000000E+00	1,143459E+20	1,290874E+21
-2104	3,688575E+21	6,664582E+21	8,947614E+21	8,947448E+21	6,664166E+21	3,688225E+21	1,290730E+21	1,143239E+20	0,000000E+00	0,000000E+00	1,143905E+20	1,290991E+21
-2103	3,688445E+21	6,664065E+21	8,946911E+21	8,947017E+21	6,664206E+21	3,688485E+21	1,290980E+21	1,143875E+20	0,000000E+00	0,000000E+00	1,143625E+20	1,290812E+21
-2102	3,688190E+21	6,663939E+21	8,946990E+21	8,946988E+21	6,664052E+21	3,688366E+21	1,290947E+21	1,144131E+20	0,000000E+00	0,000000E+00	1,144298E+20	1,291054E+21
-2101	3,688543E+21	6,664109E+21	8,946741E+21	8,946481E+21	6,663564E+21	3,688128E+21	1,290859E+21	1,143906E+20	0,000000E+00	0,000000E+00	1,144257E+20	1,290974E+21

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°
-2100	3,688193E+21	6,663529E+21	8,946373E+21	8,946542E+21	6,663880E+21	3,688434E+21	1,291100E+21	1,144559E+20	0,000000E+00	0,000000E+00	1,144071E+20	1,290864E+21
-2099	3,688175E+21	6,663751E+21	8,946601E+21	8,946531E+21	6,663636E+21	3,688153E+21	1,290908E+21	1,144330E+20	0,000000E+00	0,000000E+00	1,144671E+20	1,291114E+21
-2098	3,688425E+21	6,663775E+21	8,946349E+21	8,946254E+21	6,663590E+21	3,688243E+21	1,290953E+21	1,144153E+20	0,000000E+00	0,000000E+00	1,144203E+20	1,290919E+21
-2097	3,688072E+21	6,663422E+21	8,946463E+21	8,946724E+21	6,664011E+21	3,688471E+21	1,291079E+21	1,144486E+20	0,000000E+00	0,000000E+00	1,144075E+20	1,290938E+21
-2096	3,688437E+21	6,664087E+21	8,946806E+21	8,946652E+21	6,663698E+21	3,688129E+21	1,290806E+21	1,143805E+20	0,000000E+00	0,000000E+00	1,144313E+20	1,291046E+21
-2095	3,688444E+21	6,664013E+21	8,946763E+21	8,946754E+21	6,664006E+21	3,688416E+21	1,290957E+21	1,143755E+20	0,000000E+00	0,000000E+00	1,143455E+20	1,290767E+21
-2094	3,688140E+21	6,664002E+21	8,947320E+21	8,947410E+21	6,664349E+21	3,688476E+21	1,290945E+21	1,143901E+20	0,000000E+00	0,000000E+00	1,143708E+20	1,290934E+21
-2093	3,688582E+21	6,664507E+21	8,947539E+21	8,947401E+21	6,664151E+21	3,688233E+21	1,290734E+21	1,143165E+20	0,000000E+00	0,000000E+00	1,143603E+20	1,290903E+21
-2092	3,688401E+21	6,664218E+21	8,947384E+21	8,947632E+21	6,664638E+21	3,688607E+21	1,290935E+21	1,143438E+20	0,000000E+00	0,000000E+00	1,143007E+20	1,290731E+21
-2091	3,688351E+21	6,664519E+21	8,947811E+21	8,947801E+21	6,664562E+21	3,688439E+21	1,290799E+21	1,143335E+20	0,000000E+00	0,000000E+00	1,143582E+20	1,290969E+21
-2090	3,688706E+21	6,664769E+21	8,947783E+21	8,947548E+21	6,664350E+21	3,688382E+21	1,290763E+21	1,142948E+20	0,000000E+00	0,000000E+00	1,143175E+20	1,290805E+21
-2089	3,688334E+21	6,664279E+21	8,947667E+21	8,947853E+21	6,664716E+21	3,688646E+21	1,290973E+21	1,143653E+20	0,000000E+00	0,000000E+00	1,143179E+20	1,290767E+21
-2088	3,688482E+21	6,664636E+21	8,947755E+21	8,947603E+21	6,664288E+21	3,688272E+21	1,290748E+21	1,143317E+20	0,000000E+00	0,000000E+00	1,143878E+20	1,290987E+21
-2087	3,688530E+21	6,664356E+21	8,947251E+21	8,947162E+21	6,664191E+21	3,688399E+21	1,290880E+21	1,143514E+20	0,000000E+00	0,000000E+00	1,143506E+20	1,290805E+21
-2086	3,688122E+21	6,663812E+21	8,947056E+21	8,947234E+21	6,664299E+21	3,688515E+21	1,291016E+21	1,144206E+20	0,000000E+00	0,000000E+00	1,144069E+20	1,290967E+21
-2085	3,688475E+21	6,664087E+21	8,946844E+21	8,946677E+21	6,663657E+21	3,688103E+21	1,290815E+21	1,143842E+20	0,000000E+00	0,000000E+00	1,144454E+20	1,291062E+21
-2084	3,688334E+21	6,663601E+21	8,946177E+21	8,946256E+21	6,663708E+21	3,688368E+21	1,291065E+21	1,144469E+20	0,000000E+00	0,000000E+00	1,144149E+20	1,290863E+21
-2083	3,688037E+21	6,663431E+21	8,946223E+21	8,946182E+21	6,663499E+21	3,688226E+21	1,291041E+21	1,144790E+20	0,000000E+00	0,000000E+00	1,144839E+20	1,291102E+21
-2082	3,688369E+21	6,663598E+21	8,946023E+21	8,945742E+21	6,663066E+21	3,688001E+21	1,290942E+21	1,144552E+20	0,000000E+00	0,000000E+00	1,144871E+20	1,291048E+21
-2081	3,688026E+21	6,662949E+21	8,945599E+21	8,945866E+21	6,663465E+21	3,688334E+21	1,291174E+21	1,145131E+20	0,000000E+00	0,000000E+00	1,144667E+20	1,290952E+21
-2080	3,688093E+21	6,663292E+21	8,945825E+21	8,945768E+21	6,663165E+21	3,688034E+21	1,290963E+21	1,144812E+20	0,000000E+00	0,000000E+00	1,145236E+20	1,291205E+21
-2079	3,688361E+21	6,663390E+21	8,945695E+21	8,945555E+21	6,663105E+21	3,688094E+21	1,290989E+21	1,144537E+20	0,000000E+00	0,000000E+00	1,144635E+20	1,290974E+21
-2078	3,687987E+21	6,663050E+21	8,945858E+21	8,946103E+21	6,663597E+21	3,688369E+21	1,291138E+21	1,144909E+20	0,000000E+00	0,000000E+00	1,144480E+20	1,290977E+21
-2077	3,688308E+21	6,663721E+21	8,946332E+21	8,946179E+21	6,663339E+21	3,688027E+21	1,290869E+21	1,144267E+20	0,000000E+00	0,000000E+00	1,144704E+20	1,291081E+21
-2076	3,688308E+21	6,663611E+21	8,946241E+21	8,946292E+21	6,663698E+21	3,688329E+21	1,291009E+21	1,144171E+20	0,000000E+00	0,000000E+00	1,143881E+20	1,290819E+21
-2075	3,688013E+21	6,663553E+21	8,946642E+21	8,946774E+21	6,663961E+21	3,688390E+21	1,291008E+21	1,144359E+20	0,000000E+00	0,000000E+00	1,144170E+20	1,291002E+21
-2074	3,688494E+21	6,664123E+21	8,946911E+21	8,946746E+21	6,663744E+21	3,688148E+21	1,290796E+21	1,143623E+20	0,000000E+00	0,000000E+00	1,144102E+20	1,290984E+21
-2073	3,688332E+21	6,663814E+21	8,946733E+21	8,947002E+21	6,664239E+21	3,688513E+21	1,290999E+21	1,143910E+20	0,000000E+00	0,000000E+00	1,143491E+20	1,290799E+21
-2072	3,688303E+21	6,664190E+21	8,947175E+21	8,947091E+21	6,664079E+21	3,688311E+21	1,290859E+21	1,143821E+20	0,000000E+00	0,000000E+00	1,144094E+20	1,291030E+21
-2071	3,688598E+21	6,664394E+21	8,947216E+21	8,946911E+21	6,663842E+21	3,688208E+21	1,290812E+21	1,143442E+20	0,000000E+00	0,000000E+00	1,143687E+20	1,290860E+21
-2070	3,688180E+21	6,663765E+21	8,946948E+21	8,947197E+21	6,664282E+21	3,688531E+21	1,291048E+21	1,144223E+20	0,000000E+00	0,000000E+00	1,143768E+20	1,290838E+21
-2069	3,688310E+21	6,664085E+21	8,947022E+21	8,946939E+21	6,663859E+21	3,688172E+21	1,290832E+21	1,143919E+20	0,000000E+00	0,000000E+00	1,144460E+20	1,291070E+21
-2068	3,688403E+21	6,663822E+21	8,946440E+21	8,946396E+21	6,663713E+21	3,688292E+21	1,290960E+21	1,144090E+20	0,000000E+00	0,000000E+00	1,144089E+20	1,290883E+21
-2067	3,687998E+21	6,663269E+21	8,946135E+21	8,946299E+21	6,663714E+21	3,688387E+21	1,291111E+21	1,144840E+20	0,000000E+00	0,000000E+00	1,144624E+20	1,291029E+21
-2066	3,688342E+21	6,663612E+21	8,946062E+21	8,945811E+21	6,663080E+21	3,687966E+21	1,290906E+21	1,144507E+20	0,000000E+00	0,000000E+00	1,145051E+20	1,291127E+21
-2065	3,688172E+21	6,663056E+21	8,945413E+21	8,945519E+21	6,663194E+21	3,688222E+21	1,291146E+21	1,145113E+20	0,000000E+00	0,000000E+00	1,144763E+20	1,290936E+21

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°
-2064	3,687908E+21	6,662924E+21	8,945437E+21	8,945417E+21	6,662985E+21	3,688069E+21	1,291100E+21	1,145365E+20	0,000000E+00	0,000000E+00	1,145484E+20	1,291197E+21
-2063	3,688249E+21	6,663110E+21	8,945304E+21	8,945031E+21	6,662565E+21	3,687838E+21	1,290983E+21	1,145028E+20	0,000000E+00	0,000000E+00	1,145450E+20	1,291137E+21
-2062	3,687927E+21	6,662471E+21	8,944861E+21	8,945183E+21	6,663041E+21	3,688236E+21	1,291236E+21	1,145587E+20	0,000000E+00	0,000000E+00	1,145194E+20	1,291031E+21
-2061	3,687998E+21	6,662899E+21	8,945220E+21	8,945162E+21	6,662773E+21	3,687950E+21	1,291035E+21	1,145285E+20	0,000000E+00	0,000000E+00	1,145658E+20	1,291254E+21
-2060	3,688263E+21	6,663032E+21	8,945130E+21	8,944971E+21	6,662724E+21	3,688009E+21	1,291056E+21	1,144977E+20	0,000000E+00	0,000000E+00	1,145029E+20	1,291005E+21
-2059	3,687848E+21	6,662627E+21	8,945211E+21	8,945456E+21	6,663166E+21	3,688263E+21	1,291214E+21	1,145419E+20	0,000000E+00	0,000000E+00	1,144899E+20	1,291016E+21
-2058	3,688160E+21	6,663287E+21	8,945706E+21	8,945579E+21	6,662958E+21	3,687928E+21	1,290933E+21	1,144775E+20	0,000000E+00	0,000000E+00	1,145201E+20	1,291151E+21
-2057	3,688186E+21	6,663142E+21	8,945573E+21	8,945702E+21	6,663334E+21	3,688234E+21	1,291064E+21	1,144637E+20	0,000000E+00	0,000000E+00	1,144382E+20	1,290906E+21
-2056	3,687979E+21	6,663202E+21	8,945978E+21	8,946079E+21	6,663506E+21	3,688261E+21	1,291053E+21	1,144786E+20	0,000000E+00	0,000000E+00	1,144668E+20	1,291084E+21
-2055	3,688449E+21	6,663817E+21	8,946350E+21	8,946108E+21	6,663268E+21	3,687992E+21	1,290835E+21	1,144018E+20	0,000000E+00	0,000000E+00	1,144513E+20	1,291032E+21
-2054	3,688242E+21	6,663474E+21	8,946184E+21	8,946425E+21	6,663835E+21	3,688410E+21	1,291065E+21	1,144384E+20	0,000000E+00	0,000000E+00	1,143943E+20	1,290837E+21
-2053	3,688145E+21	6,663783E+21	8,946662E+21	8,946584E+21	6,663707E+21	3,688213E+21	1,290936E+21	1,144366E+20	0,000000E+00	0,000000E+00	1,144554E+20	1,291066E+21
-2052	3,688420E+21	6,663891E+21	8,946549E+21	8,946338E+21	6,663487E+21	3,688123E+21	1,290884E+21	1,143976E+20	0,000000E+00	0,000000E+00	1,144225E+20	1,290920E+21
-2051	3,688007E+21	6,663187E+21	8,946073E+21	8,946394E+21	6,663805E+21	3,688433E+21	1,291137E+21	1,144822E+20	0,000000E+00	0,000000E+00	1,144359E+20	1,290922E+21
-2050	3,688170E+21	6,663531E+21	8,946148E+21	8,946088E+21	6,663342E+21	3,688060E+21	1,290919E+21	1,144540E+20	0,000000E+00	0,000000E+00	1,145083E+20	1,291162E+21
-2049	3,688288E+21	6,663280E+21	8,945567E+21	8,945540E+21	6,663169E+21	3,688159E+21	1,291045E+21	1,144720E+20	0,000000E+00	0,000000E+00	1,144707E+20	1,290971E+21
-2048	3,687919E+21	6,662829E+21	8,945325E+21	8,945385E+21	6,663073E+21	3,688201E+21	1,291182E+21	1,145455E+20	0,000000E+00	0,000000E+00	1,145253E+20	1,291110E+21
-2047	3,688212E+21	6,663148E+21	8,945356E+21	8,945039E+21	6,662478E+21	3,687754E+21	1,290960E+21	1,145086E+20	0,000000E+00	0,000000E+00	1,145663E+20	1,291205E+21
-2046	3,688028E+21	6,662530E+21	8,944650E+21	8,944814E+21	6,662729E+21	3,688087E+21	1,291209E+21	1,145681E+20	0,000000E+00	0,000000E+00	1,145411E+20	1,291028E+21
-2045	3,687769E+21	6,662419E+21	8,944734E+21	8,944761E+21	6,662567E+21	3,687967E+21	1,291171E+21	1,145915E+20	0,000000E+00	0,000000E+00	1,146042E+20	1,291281E+21
-2044	3,688153E+21	6,662652E+21	8,944590E+21	8,944367E+21	6,662166E+21	3,687752E+21	1,291052E+21	1,145517E+20	0,000000E+00	0,000000E+00	1,145947E+20	1,291197E+21
-2043	3,687818E+21	6,662026E+21	8,944096E+21	8,944409E+21	6,662569E+21	3,688143E+21	1,291323E+21	1,146115E+20	0,000000E+00	0,000000E+00	1,145626E+20	1,291071E+21
-2042	3,687856E+21	6,662483E+21	8,944581E+21	8,944488E+21	6,662339E+21	3,687856E+21	1,291118E+21	1,145838E+20	0,000000E+00	0,000000E+00	1,146099E+20	1,291289E+21
-2041	3,688099E+21	6,662559E+21	8,944496E+21	8,944389E+21	6,662338E+21	3,687905E+21	1,291125E+21	1,145489E+20	0,000000E+00	0,000000E+00	1,145500E+20	1,291064E+21
-2040	3,687743E+21	6,662213E+21	8,944547E+21	8,944792E+21	6,662732E+21	3,688130E+21	1,291257E+21	1,145863E+20	0,000000E+00	0,000000E+00	1,145408E+20	1,291099E+21
-2039	3,688078E+21	6,662914E+21	8,945124E+21	8,944978E+21	6,662526E+21	3,687779E+21	1,290961E+21	1,145139E+20	0,000000E+00	0,000000E+00	1,145664E+20	1,291234E+21
-2038	3,688136E+21	6,662794E+21	8,944980E+21	8,945126E+21	6,662966E+21	3,688132E+21	1,291107E+21	1,145013E+20	0,000000E+00	0,000000E+00	1,144829E+20	1,290975E+21
-2037	3,687912E+21	6,662909E+21	8,945504E+21	8,945561E+21	6,663156E+21	3,688172E+21	1,291112E+21	1,145218E+20	0,000000E+00	0,000000E+00	1,145044E+20	1,291123E+21
-2036	3,688352E+21	6,663500E+21	8,945871E+21	8,945602E+21	6,662913E+21	3,687901E+21	1,290899E+21	1,144477E+20	0,000000E+00	0,000000E+00	1,144913E+20	1,291055E+21
-2035	3,688070E+21	6,663011E+21	8,945514E+21	8,945779E+21	6,663412E+21	3,688309E+21	1,291152E+21	1,144960E+20	0,000000E+00	0,000000E+00	1,144438E+20	1,290884E+21
-2034	3,687950E+21	6,663232E+21	8,945905E+21	8,945909E+21	6,663315E+21	3,688127E+21	1,291020E+21	1,144971E+20	0,000000E+00	0,000000E+00	1,145143E+20	1,291143E+21
-2033	3,688260E+21	6,663297E+21	8,945684E+21	8,945563E+21	6,663036E+21	3,688023E+21	1,290964E+21	1,144568E+20	0,000000E+00	0,000000E+00	1,144859E+20	1,291028E+21
-2032	3,687944E+21	6,662703E+21	8,945176E+21	8,945451E+21	6,663201E+21	3,688268E+21	1,291201E+21	1,145382E+20	0,000000E+00	0,000000E+00	1,144995E+20	1,291026E+21
-2031	3,688098E+21	6,663100E+21	8,945379E+21	8,945217E+21	6,662707E+21	3,687853E+21	1,290971E+21	1,145072E+20	0,000000E+00	0,000000E+00	1,145653E+20	1,291240E+21
-2030	3,688182E+21	6,662833E+21	8,944849E+21	8,944769E+21	6,662616E+21	3,687990E+21	1,291110E+21	1,145301E+20	0,000000E+00	0,000000E+00	1,145311E+20	1,291040E+21
-2029	3,687764E+21	6,662367E+21	8,944701E+21	8,944739E+21	6,662600E+21	3,688053E+21	1,291252E+21	1,146051E+20	0,000000E+00	0,000000E+00	1,145823E+20	1,291177E+21

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°
-2028	3,688058E+21	6,662640E+21	8,944647E+21	8,944392E+21	6,662071E+21	3,687651E+21	1,291030E+21	1,145651E+20	0,000000E+00	0,000000E+00	1,146249E+20	1,291275E+21
-2027	3,687869E+21	6,661975E+21	8,943809E+21	8,944024E+21	6,662267E+21	3,688001E+21	1,291302E+21	1,146277E+20	0,000000E+00	0,000000E+00	1,145990E+20	1,291108E+21
-2026	3,687635E+21	6,661893E+21	8,943923E+21	8,944002E+21	6,662134E+21	3,687891E+21	1,291265E+21	1,146514E+20	0,000000E+00	0,000000E+00	1,146575E+20	1,291346E+21
-2025	3,688023E+21	6,662151E+21	8,943809E+21	8,943618E+21	6,661724E+21	3,687667E+21	1,291143E+21	1,146096E+20	0,000000E+00	0,000000E+00	1,146459E+20	1,291261E+21
-2024	3,687723E+21	6,661619E+21	8,943385E+21	8,943608E+21	6,662022E+21	3,687991E+21	1,291390E+21	1,146650E+20	0,000000E+00	0,000000E+00	1,146132E+20	1,291132E+21
-2023	3,687719E+21	6,662040E+21	8,943955E+21	8,943830E+21	6,661834E+21	3,687674E+21	1,291161E+21	1,146313E+20	0,000000E+00	0,000000E+00	1,146582E+20	1,291352E+21
-2022	3,687973E+21	6,662105E+21	8,943852E+21	8,943797E+21	6,661952E+21	3,687784E+21	1,291168E+21	1,145928E+20	0,000000E+00	0,000000E+00	1,146020E+20	1,291147E+21
-2021	3,687655E+21	6,661848E+21	8,944010E+21	8,944235E+21	6,662363E+21	3,688023E+21	1,291301E+21	1,146275E+20	0,000000E+00	0,000000E+00	1,145845E+20	1,291172E+21
-2020	3,688027E+21	6,662588E+21	8,944580E+21	8,944433E+21	6,662190E+21	3,687698E+21	1,291010E+21	1,145525E+20	0,000000E+00	0,000000E+00	1,146050E+20	1,291275E+21
-2019	3,688048E+21	6,662457E+21	8,944399E+21	8,944504E+21	6,662574E+21	3,688047E+21	1,291178E+21	1,145475E+20	0,000000E+00	0,000000E+00	1,145214E+20	1,291009E+21
-2018	3,687777E+21	6,662522E+21	8,944945E+21	8,945007E+21	6,662805E+21	3,688094E+21	1,291190E+21	1,145747E+20	0,000000E+00	0,000000E+00	1,145468E+20	1,291149E+21
-2017	3,688171E+21	6,663000E+21	8,945228E+21	8,945042E+21	6,662572E+21	3,687821E+21	1,290974E+21	1,145013E+20	0,000000E+00	0,000000E+00	1,145427E+20	1,291120E+21
-2016	3,687946E+21	6,662530E+21	8,944757E+21	8,945015E+21	6,662932E+21	3,688179E+21	1,291210E+21	1,145476E+20	0,000000E+00	0,000000E+00	1,145037E+20	1,290980E+21
-2015	3,687838E+21	6,662736E+21	8,945150E+21	8,945138E+21	6,662786E+21	3,687965E+21	1,291068E+21	1,145437E+20	0,000000E+00	0,000000E+00	1,145718E+20	1,291240E+21
-2014	3,688184E+21	6,662837E+21	8,944907E+21	8,944781E+21	6,662537E+21	3,687888E+21	1,291023E+21	1,145070E+20	0,000000E+00	0,000000E+00	1,145455E+20	1,291121E+21
-2013	3,687867E+21	6,662327E+21	8,944533E+21	8,944697E+21	6,662678E+21	3,688119E+21	1,291265E+21	1,145925E+20	0,000000E+00	0,000000E+00	1,145522E+20	1,291092E+21
-2012	3,687993E+21	6,662692E+21	8,944747E+21	8,944524E+21	6,662214E+21	3,687714E+21	1,291044E+21	1,145650E+20	0,000000E+00	0,000000E+00	1,146187E+20	1,291286E+21
-2011	3,688005E+21	6,662299E+21	8,944085E+21	8,944015E+21	6,662113E+21	3,687857E+21	1,291201E+21	1,145970E+20	0,000000E+00	0,000000E+00	1,145921E+20	1,291109E+21
-2010	3,687578E+21	6,661769E+21	8,943870E+21	8,944006E+21	6,662176E+21	3,687961E+21	1,291345E+21	1,146727E+20	0,000000E+00	0,000000E+00	1,146452E+20	1,291255E+21
-2009	3,687894E+21	6,662028E+21	8,943764E+21	8,943602E+21	6,661628E+21	3,687573E+21	1,291129E+21	1,146304E+20	0,000000E+00	0,000000E+00	1,146886E+20	1,291372E+21
-2008	3,687779E+21	6,661470E+21	8,942931E+21	8,943099E+21	6,661693E+21	3,687867E+21	1,291383E+21	1,146864E+20	0,000000E+00	0,000000E+00	1,146587E+20	1,291193E+21
-2007	3,687528E+21	6,661431E+21	8,943191E+21	8,943194E+21	6,661559E+21	3,687724E+21	1,291328E+21	1,147036E+20	0,000000E+00	0,000000E+00	1,147082E+20	1,291402E+21
-2006	3,687894E+21	6,661696E+21	8,943128E+21	8,942918E+21	6,661239E+21	3,687525E+21	1,291203E+21	1,146609E+20	0,000000E+00	0,000000E+00	1,146986E+20	1,291318E+21
-2005	3,687578E+21	6,661197E+21	8,942816E+21	8,943014E+21	6,661599E+21	3,687850E+21	1,291435E+21	1,147115E+20	0,000000E+00	0,000000E+00	1,146602E+20	1,291196E+21
-2004	3,687614E+21	6,661628E+21	8,943371E+21	8,943272E+21	6,661477E+21	3,687571E+21	1,291202E+21	1,146722E+20	0,000000E+00	0,000000E+00	1,147040E+20	1,291413E+21
-2003	3,687872E+21	6,661682E+21	8,943201E+21	8,943159E+21	6,661561E+21	3,687695E+21	1,291229E+21	1,146366E+20	0,000000E+00	0,000000E+00	1,146466E+20	1,291218E+21
-2002	3,687582E+21	6,661476E+21	8,943408E+21	8,943667E+21	6,662037E+21	3,687957E+21	1,291367E+21	1,146732E+20	0,000000E+00	0,000000E+00	1,146248E+20	1,291218E+21
-2001	3,687936E+21	6,662225E+21	8,944005E+21	8,943855E+21	6,661851E+21	3,687641E+21	1,291089E+21	1,146010E+20	0,000000E+00	0,000000E+00	1,146466E+20	1,291319E+21
-2000	3,687955E+21	6,662107E+21	8,943823E+21	8,943836E+21	6,662109E+21	3,687920E+21	1,291239E+21	1,145960E+20	0,000000E+00	0,000000E+00	1,145690E+20	1,291063E+21
-1999	3,687637E+21	6,662069E+21	8,944344E+21	8,944404E+21	6,662355E+21	3,687941E+21	1,291236E+21	1,146207E+20	0,000000E+00	0,000000E+00	1,145978E+20	1,291212E+21
-1998	3,688031E+21	6,662498E+21	8,944516E+21	8,944389E+21	6,662169E+21	3,687710E+21	1,291026E+21	1,145482E+20	0,000000E+00	0,000000E+00	1,146009E+20	1,291212E+21
-1997	3,687852E+21	6,662110E+21	8,944104E+21	8,944307E+21	6,662468E+21	3,688052E+21	1,291263E+21	1,145955E+20	0,000000E+00	0,000000E+00	1,145568E+20	1,291069E+21
-1996	3,687783E+21	6,662335E+21	8,944467E+21	8,944410E+21	6,662315E+21	3,687846E+21	1,291130E+21	1,145928E+20	0,000000E+00	0,000000E+00	1,146203E+20	1,291292E+21
-1995	3,688069E+21	6,662399E+21	8,944187E+21	8,943989E+21	6,662011E+21	3,687762E+21	1,291111E+21	1,145682E+20	0,000000E+00	0,000000E+00	1,145975E+20	1,291173E+21
-1994	3,687710E+21	6,661829E+21	8,943830E+21	8,944007E+21	6,662221E+21	3,687999E+21	1,291354E+21	1,146588E+20	0,000000E+00	0,000000E+00	1,146078E+20	1,291137E+21
-1993	3,687795E+21	6,662095E+21	8,943957E+21	8,943821E+21	6,661791E+21	3,687622E+21	1,291140E+21	1,146328E+20	0,000000E+00	0,000000E+00	1,146826E+20	1,291370E+21

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°
-1992	3,687860E+21	6,661730E+21	8,943221E+21	8,943148E+21	6,661569E+21	3,687721E+21	1,291279E+21	1,146604E+20	0,000000E+00	0,000000E+00	1,146624E+20	1,291219E+21
-1991	3,687453E+21	6,661192E+21	8,943014E+21	8,943159E+21	6,661610E+21	3,687808E+21	1,291413E+21	1,147283E+20	0,000000E+00	0,000000E+00	1,147083E+20	1,291348E+21
-1990	3,687788E+21	6,661505E+21	8,942924E+21	8,942776E+21	6,661118E+21	3,687453E+21	1,291203E+21	1,146864E+20	0,000000E+00	0,000000E+00	1,147500E+20	1,291457E+21
-1989	3,687680E+21	6,661071E+21	8,942270E+21	8,942310E+21	6,661147E+21	3,687720E+21	1,291450E+21	1,147400E+20	0,000000E+00	0,000000E+00	1,147102E+20	1,291256E+21
-1988	3,687412E+21	6,660991E+21	8,942545E+21	8,942508E+21	6,661074E+21	3,687583E+21	1,291389E+21	1,147553E+20	0,000000E+00	0,000000E+00	1,147556E+20	1,291440E+21
-1987	3,687724E+21	6,661182E+21	8,942411E+21	8,942233E+21	6,660791E+21	3,687401E+21	1,291272E+21	1,147156E+20	0,000000E+00	0,000000E+00	1,147510E+20	1,291389E+21
-1986	3,687449E+21	6,660702E+21	8,942107E+21	8,942395E+21	6,661236E+21	3,687756E+21	1,291496E+21	1,147625E+20	0,000000E+00	0,000000E+00	1,147095E+20	1,291267E+21
-1985	3,687520E+21	6,661181E+21	8,942686E+21	8,942642E+21	6,661123E+21	3,687510E+21	1,291276E+21	1,147214E+20	0,000000E+00	0,000000E+00	1,147519E+20	1,291492E+21
-1984	3,687833E+21	6,661349E+21	8,942582E+21	8,942453E+21	6,661094E+21	3,687575E+21	1,291284E+21	1,146809E+20	0,000000E+00	0,000000E+00	1,146913E+20	1,291278E+21
-1983	3,687505E+21	6,661149E+21	8,942900E+21	8,943073E+21	6,661582E+21	3,687821E+21	1,291414E+21	1,147140E+20	0,000000E+00	0,000000E+00	1,146645E+20	1,291249E+21
-1982	3,687808E+21	6,661844E+21	8,943481E+21	8,943338E+21	6,661493E+21	3,687541E+21	1,291143E+21	1,146445E+20	0,000000E+00	0,000000E+00	1,146922E+20	1,291360E+21
-1981	3,687812E+21	6,661727E+21	8,943321E+21	8,943306E+21	6,661742E+21	3,687810E+21	1,291284E+21	1,146379E+20	0,000000E+00	0,000000E+00	1,146155E+20	1,291129E+21
-1980	3,687531E+21	6,661629E+21	8,943721E+21	8,943822E+21	6,661996E+21	3,687854E+21	1,291285E+21	1,146624E+20	0,000000E+00	0,000000E+00	1,146451E+20	1,291271E+21
-1979	3,687909E+21	6,662014E+21	8,943783E+21	8,943679E+21	6,661734E+21	3,687618E+21	1,291100E+21	1,145985E+20	0,000000E+00	0,000000E+00	1,146522E+20	1,291292E+21
-1978	3,687767E+21	6,661661E+21	8,943377E+21	8,943609E+21	6,662042E+21	3,687952E+21	1,291341E+21	1,146519E+20	0,000000E+00	0,000000E+00	1,146069E+20	1,291126E+21
-1977	3,687672E+21	6,661889E+21	8,943760E+21	8,943672E+21	6,661843E+21	3,687751E+21	1,291228E+21	1,146554E+20	0,000000E+00	0,000000E+00	1,146749E+20	1,291355E+21
-1976	3,687944E+21	6,661924E+21	8,943450E+21	8,943172E+21	6,661424E+21	3,687591E+21	1,291189E+21	1,146330E+20	0,000000E+00	0,000000E+00	1,146605E+20	1,291251E+21
-1975	3,687550E+21	6,661269E+21	8,943063E+21	8,943248E+21	6,661673E+21	3,687827E+21	1,291417E+21	1,147179E+20	0,000000E+00	0,000000E+00	1,146744E+20	1,291226E+21
-1974	3,687648E+21	6,661509E+21	8,943092E+21	8,943015E+21	6,661300E+21	3,687502E+21	1,291212E+21	1,146924E+20	0,000000E+00	0,000000E+00	1,147526E+20	1,291475E+21
-1973	3,687752E+21	6,661236E+21	8,942436E+21	8,942315E+21	6,661026E+21	3,687584E+21	1,291347E+21	1,147167E+20	0,000000E+00	0,000000E+00	1,147252E+20	1,291319E+21
-1972	3,687382E+21	6,660727E+21	8,942240E+21	8,942360E+21	6,661091E+21	3,687678E+21	1,291481E+21	1,147816E+20	0,000000E+00	0,000000E+00	1,147608E+20	1,291397E+21
-1971	3,687638E+21	6,661004E+21	8,942154E+21	8,941960E+21	6,660575E+21	3,687324E+21	1,291293E+21	1,147478E+20	0,000000E+00	0,000000E+00	1,148025E+20	1,291508E+21
-1970	3,687516E+21	6,660545E+21	8,941546E+21	8,941636E+21	6,660697E+21	3,687595E+21	1,291530E+21	1,148008E+20	0,000000E+00	0,000000E+00	1,147610E+20	1,291301E+21
-1969	3,687242E+21	6,660455E+21	8,941797E+21	8,941831E+21	6,660664E+21	3,687495E+21	1,291473E+21	1,148137E+20	0,000000E+00	0,000000E+00	1,148099E+20	1,291516E+21
-1968	3,687612E+21	6,660706E+21	8,941665E+21	8,941470E+21	6,660298E+21	3,687271E+21	1,291332E+21	1,147666E+20	0,000000E+00	0,000000E+00	1,148070E+20	1,291482E+21
-1967	3,687376E+21	6,660283E+21	8,941458E+21	8,941735E+21	6,660770E+21	3,687619E+21	1,291539E+21	1,148033E+20	0,000000E+00	0,000000E+00	1,147580E+20	1,291341E+21
-1966	3,687462E+21	6,660829E+21	8,942077E+21	8,942031E+21	6,660740E+21	3,687420E+21	1,291333E+21	1,147640E+20	0,000000E+00	0,000000E+00	1,147980E+20	1,291547E+21
-1965	3,687755E+21	6,661087E+21	8,942151E+21	8,941905E+21	6,660684E+21	3,687461E+21	1,291335E+21	1,147221E+20	0,000000E+00	0,000000E+00	1,147311E+20	1,291321E+21
-1964	3,687403E+21	6,660795E+21	8,942417E+21	8,942589E+21	6,661223E+21	3,687713E+21	1,291464E+21	1,147563E+20	0,000000E+00	0,000000E+00	1,147036E+20	1,291267E+21
-1963	3,687621E+21	6,661351E+21	8,942842E+21	8,942772E+21	6,661138E+21	3,687457E+21	1,291212E+21	1,146940E+20	0,000000E+00	0,000000E+00	1,147397E+20	1,291420E+21
-1962	3,687674E+21	6,661221E+21	8,942609E+21	8,942706E+21	6,661396E+21	3,687734E+21	1,291354E+21	1,146891E+20	0,000000E+00	0,000000E+00	1,146646E+20	1,291199E+21
-1961	3,687432E+21	6,661155E+21	8,942960E+21	8,943113E+21	6,661592E+21	3,687791E+21	1,291373E+21	1,147163E+20	0,000000E+00	0,000000E+00	1,146972E+20	1,291352E+21
-1960	3,687847E+21	6,661614E+21	8,943049E+21	8,942857E+21	6,661182E+21	3,687474E+21	1,291170E+21	1,146527E+20	0,000000E+00	0,000000E+00	1,147065E+20	1,291370E+21
-1959	3,687678E+21	6,661252E+21	8,942722E+21	8,942869E+21	6,661471E+21	3,687772E+21	1,291395E+21	1,147038E+20	0,000000E+00	0,000000E+00	1,146615E+20	1,291185E+21
-1958	3,687532E+21	6,661410E+21	8,943067E+21	8,942995E+21	6,661366E+21	3,687608E+21	1,291292E+21	1,147117E+20	0,000000E+00	0,000000E+00	1,147363E+20	1,291427E+21
-1957	3,687800E+21	6,661470E+21	8,942794E+21	8,942480E+21	6,660932E+21	3,687440E+21	1,291242E+21	1,146874E+20	0,000000E+00	0,000000E+00	1,147238E+20	1,291346E+21

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°
-1956	3,687439E+21	6,660756E+21	8,942295E+21	8,942511E+21	6,661201E+21	3,687709E+21	1,291479E+21	1,147705E+20	0,000000E+00	0,000000E+00	1,147337E+20	1,291298E+21
-1955	3,687497E+21	6,660945E+21	8,942240E+21	8,942200E+21	6,660806E+21	3,687405E+21	1,291306E+21	1,147530E+20	0,000000E+00	0,000000E+00	1,148117E+20	1,291558E+21
-1954	3,687637E+21	6,660712E+21	8,941603E+21	8,941530E+21	6,660549E+21	3,687484E+21	1,291445E+21	1,147812E+20	0,000000E+00	0,000000E+00	1,147801E+20	1,291375E+21
-1953	3,687242E+21	6,660214E+21	8,941435E+21	8,941555E+21	6,660584E+21	3,687583E+21	1,291590E+21	1,148483E+20	0,000000E+00	0,000000E+00	1,148167E+20	1,291458E+21
-1952	3,687476E+21	6,660470E+21	8,941357E+21	8,941125E+21	6,659982E+21	3,687149E+21	1,291371E+21	1,148123E+20	0,000000E+00	0,000000E+00	1,148635E+20	1,291587E+21
-1951	3,687364E+21	6,659996E+21	8,940773E+21	8,940881E+21	6,660152E+21	3,687417E+21	1,291578E+21	1,148535E+20	0,000000E+00	0,000000E+00	1,148216E+20	1,291390E+21
-1950	3,687132E+21	6,659962E+21	8,941035E+21	8,941110E+21	6,660208E+21	3,687375E+21	1,291530E+21	1,148639E+20	0,000000E+00	0,000000E+00	1,148689E+20	1,291610E+21
-1949	3,687553E+21	6,660371E+21	8,941069E+21	8,940802E+21	6,659838E+21	3,687142E+21	1,291379E+21	1,148102E+20	0,000000E+00	0,000000E+00	1,148558E+20	1,291561E+21
-1948	3,687339E+21	6,659983E+21	8,940924E+21	8,941158E+21	6,660374E+21	3,687512E+21	1,291586E+21	1,148431E+20	0,000000E+00	0,000000E+00	1,147955E+20	1,291363E+21
-1947	3,687322E+21	6,660451E+21	8,941536E+21	8,941479E+21	6,660370E+21	3,687339E+21	1,291408E+21	1,148122E+20	0,000000E+00	0,000000E+00	1,148369E+20	1,291574E+21
-1946	3,687593E+21	6,660636E+21	8,941585E+21	8,941457E+21	6,660395E+21	3,687385E+21	1,291404E+21	1,147709E+20	0,000000E+00	0,000000E+00	1,147718E+20	1,291353E+21
-1945	3,687247E+21	6,660317E+21	8,941746E+21	8,942029E+21	6,660915E+21	3,687666E+21	1,291542E+21	1,148058E+20	0,000000E+00	0,000000E+00	1,147525E+20	1,291339E+21
-1944	3,687499E+21	6,660871E+21	8,942100E+21	8,942045E+21	6,660675E+21	3,687341E+21	1,291273E+21	1,147414E+20	0,000000E+00	0,000000E+00	1,147923E+20	1,291511E+21
-1943	3,687604E+21	6,660801E+21	8,941916E+21	8,941995E+21	6,660896E+21	3,687588E+21	1,291399E+21	1,147314E+20	0,000000E+00	0,000000E+00	1,147163E+20	1,291283E+21
-1942	3,687382E+21	6,660802E+21	8,942288E+21	8,942386E+21	6,661107E+21	3,687661E+21	1,291433E+21	1,147648E+20	0,000000E+00	0,000000E+00	1,147501E+20	1,291420E+21
-1941	3,687766E+21	6,661315E+21	8,942505E+21	8,942176E+21	6,660660E+21	3,687312E+21	1,291224E+21	1,147031E+20	0,000000E+00	0,000000E+00	1,147580E+20	1,291437E+21
-1940	3,687572E+21	6,660843E+21	8,942122E+21	8,942266E+21	6,661018E+21	3,687617E+21	1,291442E+21	1,147549E+20	0,000000E+00	0,000000E+00	1,147147E+20	1,291233E+21
-1939	3,687344E+21	6,660850E+21	8,942298E+21	8,942301E+21	6,660932E+21	3,687503E+21	1,291373E+21	1,147714E+20	0,000000E+00	0,000000E+00	1,147959E+20	1,291507E+21
-1938	3,687649E+21	6,660881E+21	8,941958E+21	8,941775E+21	6,660514E+21	3,687352E+21	1,291334E+21	1,147514E+20	0,000000E+00	0,000000E+00	1,147835E+20	1,291424E+21
-1937	3,687315E+21	6,660213E+21	8,941411E+21	8,941680E+21	6,660721E+21	3,687639E+21	1,291594E+21	1,148373E+20	0,000000E+00	0,000000E+00	1,147943E+20	1,291376E+21
-1936	3,687358E+21	6,660414E+21	8,941367E+21	8,941268E+21	6,660186E+21	3,687257E+21	1,291404E+21	1,148205E+20	0,000000E+00	0,000000E+00	1,148713E+20	1,291626E+21
-1935	3,687485E+21	6,660180E+21	8,940810E+21	8,940688E+21	6,659929E+21	3,687302E+21	1,291519E+21	1,148428E+20	0,000000E+00	0,000000E+00	1,148414E+20	1,291440E+21
-1934	3,687077E+21	6,659663E+21	8,940618E+21	8,940769E+21	6,660053E+21	3,687426E+21	1,291659E+21	1,149084E+20	0,000000E+00	0,000000E+00	1,148806E+20	1,291539E+21
-1933	3,687339E+21	6,660005E+21	8,940634E+21	8,940376E+21	6,659467E+21	3,686989E+21	1,291420E+21	1,148648E+20	0,000000E+00	0,000000E+00	1,149251E+20	1,291693E+21
-1932	3,687289E+21	6,659557E+21	8,940077E+21	8,940202E+21	6,659698E+21	3,687279E+21	1,291616E+21	1,148973E+20	0,000000E+00	0,000000E+00	1,148737E+20	1,291462E+21
-1931	3,687028E+21	6,659524E+21	8,940348E+21	8,940446E+21	6,659797E+21	3,687284E+21	1,291602E+21	1,149133E+20	0,000000E+00	0,000000E+00	1,149162E+20	1,291678E+21
-1930	3,687470E+21	6,659982E+21	8,940465E+21	8,940248E+21	6,659493E+21	3,687070E+21	1,291459E+21	1,148618E+20	0,000000E+00	0,000000E+00	1,148963E+20	1,291593E+21
-1929	3,687214E+21	6,659602E+21	8,940343E+21	8,940591E+21	6,660021E+21	3,687458E+21	1,291680E+21	1,148963E+20	0,000000E+00	0,000000E+00	1,148381E+20	1,291400E+21
-1928	3,687151E+21	6,659987E+21	8,940895E+21	8,940853E+21	6,659943E+21	3,687220E+21	1,291476E+21	1,148640E+20	0,000000E+00	0,000000E+00	1,148847E+20	1,291632E+21
-1927	3,687450E+21	6,660149E+21	8,940895E+21	8,940810E+21	6,659960E+21	3,687254E+21	1,291447E+21	1,148134E+20	0,000000E+00	0,000000E+00	1,148236E+20	1,291434E+21
-1926	3,687156E+21	6,659876E+21	8,941008E+21	8,941329E+21	6,660493E+21	3,687559E+21	1,291593E+21	1,148494E+20	0,000000E+00	0,000000E+00	1,148055E+20	1,291429E+21
-1925	3,687458E+21	6,660576E+21	8,941510E+21	8,941361E+21	6,660196E+21	3,687195E+21	1,291312E+21	1,147819E+20	0,000000E+00	0,000000E+00	1,148399E+20	1,291595E+21
-1924	3,687575E+21	6,660521E+21	8,941381E+21	8,941371E+21	6,660435E+21	3,687436E+21	1,291434E+21	1,147727E+20	0,000000E+00	0,000000E+00	1,147571E+20	1,291314E+21
-1923	3,687242E+21	6,660415E+21	8,941727E+21	8,941796E+21	6,660685E+21	3,687543E+21	1,291505E+21	1,148174E+20	0,000000E+00	0,000000E+00	1,147961E+20	1,291462E+21
-1922	3,687604E+21	6,660829E+21	8,941878E+21	8,941658E+21	6,660317E+21	3,687217E+21	1,291302E+21	1,147615E+20	0,000000E+00	0,000000E+00	1,148078E+20	1,291482E+21
-1921	3,687402E+21	6,660316E+21	8,941364E+21	8,941601E+21	6,660644E+21	3,687562E+21	1,291541E+21	1,148163E+20	0,000000E+00	0,000000E+00	1,147750E+20	1,291315E+21

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°
-1920	3,687181E+21	6,660267E+21	8,941429E+21	8,941468E+21	6,660412E+21	3,687386E+21	1,291463E+21	1,148336E+20	0,000000E+00	0,000000E+00	1,148584E+20	1,291600E+21
-1919	3,687528E+21	6,660332E+21	8,941083E+21	8,940907E+21	6,659948E+21	3,687209E+21	1,291411E+21	1,148102E+20	0,000000E+00	0,000000E+00	1,148484E+20	1,291515E+21
-1918	3,687208E+21	6,659720E+21	8,940545E+21	8,940776E+21	6,660143E+21	3,687500E+21	1,291681E+21	1,149004E+20	0,000000E+00	0,000000E+00	1,148588E+20	1,291457E+21
-1917	3,687230E+21	6,659970E+21	8,940634E+21	8,940428E+21	6,659564E+21	3,687063E+21	1,291470E+21	1,148815E+20	0,000000E+00	0,000000E+00	1,149338E+20	1,291712E+21
-1916	3,687355E+21	6,659677E+21	8,940060E+21	8,939935E+21	6,659384E+21	3,687109E+21	1,291563E+21	1,148987E+20	0,000000E+00	0,000000E+00	1,149015E+20	1,291511E+21
-1915	3,686909E+21	6,659098E+21	8,939802E+21	8,940002E+21	6,659568E+21	3,687292E+21	1,291728E+21	1,149662E+20	0,000000E+00	0,000000E+00	1,149412E+20	1,291636E+21
-1914	3,687229E+21	6,659480E+21	8,939858E+21	8,939700E+21	6,659062E+21	3,686897E+21	1,291499E+21	1,149228E+20	0,000000E+00	0,000000E+00	1,149787E+20	1,291768E+21
-1913	3,687210E+21	6,659147E+21	8,939369E+21	8,939509E+21	6,659297E+21	3,687218E+21	1,291710E+21	1,149527E+20	0,000000E+00	0,000000E+00	1,149242E+20	1,291528E+21
-1912	3,686914E+21	6,659107E+21	8,939676E+21	8,939718E+21	6,659310E+21	3,687169E+21	1,291684E+21	1,149686E+20	0,000000E+00	0,000000E+00	1,149609E+20	1,291719E+21
-1911	3,687326E+21	6,659544E+21	8,939857E+21	8,939630E+21	6,659051E+21	3,686944E+21	1,291519E+21	1,149098E+20	0,000000E+00	0,000000E+00	1,149435E+20	1,291635E+21
-1910	3,687064E+21	6,659156E+21	8,939685E+21	8,939970E+21	6,659630E+21	3,687350E+21	1,291736E+21	1,149427E+20	0,000000E+00	0,000000E+00	1,148884E+20	1,291463E+21
-1909	3,687025E+21	6,659584E+21	8,940273E+21	8,940212E+21	6,659520E+21	3,687092E+21	1,291513E+21	1,149041E+20	0,000000E+00	0,000000E+00	1,149335E+20	1,291717E+21
-1908	3,687385E+21	6,659774E+21	8,940288E+21	8,940205E+21	6,659558E+21	3,687123E+21	1,291472E+21	1,148480E+20	0,000000E+00	0,000000E+00	1,148663E+20	1,291497E+21
-1907	3,687078E+21	6,659512E+21	8,940393E+21	8,940696E+21	6,660093E+21	3,687457E+21	1,291652E+21	1,148929E+20	0,000000E+00	0,000000E+00	1,148479E+20	1,291491E+21
-1906	3,687384E+21	6,660224E+21	8,940962E+21	8,940820E+21	6,659839E+21	3,687110E+21	1,291390E+21	1,148335E+20	0,000000E+00	0,000000E+00	1,148793E+20	1,291626E+21
-1905	3,687453E+21	6,660153E+21	8,940831E+21	8,940807E+21	6,660057E+21	3,687355E+21	1,291523E+21	1,148301E+20	0,000000E+00	0,000000E+00	1,148060E+20	1,291361E+21
-1904	3,687057E+21	6,659894E+21	8,941026E+21	8,941123E+21	6,660229E+21	3,687413E+21	1,291579E+21	1,148771E+20	0,000000E+00	0,000000E+00	1,148521E+20	1,291529E+21
-1903	3,687440E+21	6,660263E+21	8,941077E+21	8,940914E+21	6,659852E+21	3,687095E+21	1,291368E+21	1,148171E+20	0,000000E+00	0,000000E+00	1,148719E+20	1,291576E+21
-1902	3,687285E+21	6,659783E+21	8,940485E+21	8,940745E+21	6,660137E+21	3,687451E+21	1,291621E+21	1,148755E+20	0,000000E+00	0,000000E+00	1,148421E+20	1,291419E+21
-1901	3,687095E+21	6,659823E+21	8,940634E+21	8,940595E+21	6,659831E+21	3,687230E+21	1,291531E+21	1,148902E+20	0,000000E+00	0,000000E+00	1,149198E+20	1,291692E+21
-1900	3,687441E+21	6,659893E+21	8,940338E+21	8,940088E+21	6,659372E+21	3,687029E+21	1,291467E+21	1,148662E+20	0,000000E+00	0,000000E+00	1,149048E+20	1,291571E+21
-1899	3,687038E+21	6,659195E+21	8,939780E+21	8,939991E+21	6,659602E+21	3,687344E+21	1,291758E+21	1,149622E+20	0,000000E+00	0,000000E+00	1,149180E+20	1,291530E+21
-1898	3,687067E+21	6,659394E+21	8,939858E+21	8,939743E+21	6,659116E+21	3,686938E+21	1,291550E+21	1,149454E+20	0,000000E+00	0,000000E+00	1,149916E+20	1,291782E+21
-1897	3,687210E+21	6,659142E+21	8,939259E+21	8,939182E+21	6,658937E+21	3,687022E+21	1,291653E+21	1,149602E+20	0,000000E+00	0,000000E+00	1,149634E+20	1,291602E+21
-1896	3,686776E+21	6,658561E+21	8,938986E+21	8,939193E+21	6,659051E+21	3,687165E+21	1,291807E+21	1,150247E+20	0,000000E+00	0,000000E+00	1,149978E+20	1,291721E+21
-1895	3,687141E+21	6,659023E+21	8,939100E+21	8,938924E+21	6,658573E+21	3,686782E+21	1,291573E+21	1,149769E+20	0,000000E+00	0,000000E+00	1,150336E+20	1,291834E+21
-1894	3,687107E+21	6,658741E+21	8,938678E+21	8,938769E+21	6,658830E+21	3,687115E+21	1,291791E+21	1,150070E+20	0,000000E+00	0,000000E+00	1,149758E+20	1,291583E+21
-1893	3,686787E+21	6,658726E+21	8,939107E+21	8,939081E+21	6,658836E+21	3,687018E+21	1,291737E+21	1,150174E+20	0,000000E+00	0,000000E+00	1,150093E+20	1,291776E+21
-1892	3,687194E+21	6,659099E+21	8,939243E+21	8,939046E+21	6,658645E+21	3,686795E+21	1,291547E+21	1,149512E+20	0,000000E+00	0,000000E+00	1,149895E+20	1,291685E+21
-1891	3,686915E+21	6,658677E+21	8,939004E+21	8,939329E+21	6,659247E+21	3,687252E+21	1,291788E+21	1,149858E+20	0,000000E+00	0,000000E+00	1,149352E+20	1,291544E+21
-1890	3,686945E+21	6,659148E+21	8,939631E+21	8,939636E+21	6,659177E+21	3,687018E+21	1,291579E+21	1,149503E+20	0,000000E+00	0,000000E+00	1,149740E+20	1,291771E+21
-1889	3,687324E+21	6,659446E+21	8,939711E+21	8,939595E+21	6,659189E+21	3,687058E+21	1,291550E+21	1,148961E+20	0,000000E+00	0,000000E+00	1,149088E+20	1,291548E+21
-1888	3,686971E+21	6,659141E+21	8,939822E+21	8,940051E+21	6,659635E+21	3,687330E+21	1,291719E+21	1,149445E+20	0,000000E+00	0,000000E+00	1,148911E+20	1,291533E+21
-1887	3,687251E+21	6,659798E+21	8,940370E+21	8,940217E+21	6,659420E+21	3,686989E+21	1,291450E+21	1,148838E+20	0,000000E+00	0,000000E+00	1,149309E+20	1,291679E+21
-1886	3,687307E+21	6,659683E+21	8,940148E+21	8,940154E+21	6,659655E+21	3,687249E+21	1,291585E+21	1,148824E+20	0,000000E+00	0,000000E+00	1,148659E+20	1,291446E+21
-1885	3,686942E+21	6,659436E+21	8,940318E+21	8,940398E+21	6,659754E+21	3,687279E+21	1,291628E+21	1,149254E+20	0,000000E+00	0,000000E+00	1,149121E+20	1,291628E+21

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°
-1884	3,687356E+21	6,659797E+21	8,940334E+21	8,940170E+21	6,659366E+21	3,686951E+21	1,291412E+21	1,148642E+20	0,000000E+00	0,000000E+00	1,149279E+20	1,291654E+21
-1883	3,687179E+21	6,659315E+21	8,939706E+21	8,939923E+21	6,659626E+21	3,687334E+21	1,291702E+21	1,149324E+20	0,000000E+00	0,000000E+00	1,148992E+20	1,291499E+21
-1882	3,686982E+21	6,659327E+21	8,939898E+21	8,939854E+21	6,659343E+21	3,687119E+21	1,291629E+21	1,149549E+20	0,000000E+00	0,000000E+00	1,149720E+20	1,291739E+21
-1881	3,687285E+21	6,659393E+21	8,939603E+21	8,939339E+21	6,658872E+21	3,686912E+21	1,291568E+21	1,149350E+20	0,000000E+00	0,000000E+00	1,149667E+20	1,291642E+21
-1880	3,686847E+21	6,658576E+21	8,938914E+21	8,939143E+21	6,659033E+21	3,687174E+21	1,291836E+21	1,150293E+20	0,000000E+00	0,000000E+00	1,149818E+20	1,291616E+21
-1879	3,686916E+21	6,658786E+21	8,938963E+21	8,938877E+21	6,658582E+21	3,686805E+21	1,291626E+21	1,150074E+20	0,000000E+00	0,000000E+00	1,150587E+20	1,291880E+21
-1878	3,687107E+21	6,658632E+21	8,938419E+21	8,938321E+21	6,658403E+21	3,686899E+21	1,291734E+21	1,150210E+20	0,000000E+00	0,000000E+00	1,150280E+20	1,291697E+21
-1877	3,686700E+21	6,658158E+21	8,938270E+21	8,938387E+21	6,658500E+21	3,687013E+21	1,291871E+21	1,150788E+20	0,000000E+00	0,000000E+00	1,150520E+20	1,291788E+21
-1876	3,687039E+21	6,658621E+21	8,938476E+21	8,938249E+21	6,658098E+21	3,686634E+21	1,291624E+21	1,150268E+20	0,000000E+00	0,000000E+00	1,150804E+20	1,291865E+21
-1875	3,686930E+21	6,658263E+21	8,938043E+21	8,938144E+21	6,658418E+21	3,687006E+21	1,291858E+21	1,150575E+20	0,000000E+00	0,000000E+00	1,150239E+20	1,291637E+21
-1874	3,686626E+21	6,658192E+21	8,938447E+21	8,938541E+21	6,658508E+21	3,686943E+21	1,291806E+21	1,150676E+20	0,000000E+00	0,000000E+00	1,150533E+20	1,291823E+21
-1873	3,687061E+21	6,658636E+21	8,938581E+21	8,938437E+21	6,658296E+21	3,686736E+21	1,291620E+21	1,149979E+20	0,000000E+00	0,000000E+00	1,150386E+20	1,291761E+21
-1872	3,686811E+21	6,658221E+21	8,938309E+21	8,938631E+21	6,658794E+21	3,687133E+21	1,291844E+21	1,150310E+20	0,000000E+00	0,000000E+00	1,149803E+20	1,291617E+21
-1871	3,686895E+21	6,658788E+21	8,938997E+21	8,938948E+21	6,658746E+21	3,686918E+21	1,291638E+21	1,149953E+20	0,000000E+00	0,000000E+00	1,150208E+20	1,291830E+21
-1870	3,687254E+21	6,659129E+21	8,939159E+21	8,938949E+21	6,658748E+21	3,686947E+21	1,291616E+21	1,149451E+20	0,000000E+00	0,000000E+00	1,149575E+20	1,291607E+21
-1869	3,686878E+21	6,658805E+21	8,939307E+21	8,939465E+21	6,659182E+21	3,687173E+21	1,291760E+21	1,149905E+20	0,000000E+00	0,000000E+00	1,149417E+20	1,291598E+21
-1868	3,687137E+21	6,659365E+21	8,939759E+21	8,939636E+21	6,659024E+21	3,686847E+21	1,291480E+21	1,149269E+20	0,000000E+00	0,000000E+00	1,149819E+20	1,291740E+21
-1867	3,687169E+21	6,659189E+21	8,939433E+21	8,939470E+21	6,659247E+21	3,687158E+21	1,291648E+21	1,149311E+20	0,000000E+00	0,000000E+00	1,149219E+20	1,291540E+21
-1866	3,686854E+21	6,658939E+21	8,939591E+21	8,939729E+21	6,659347E+21	3,687203E+21	1,291715E+21	1,149807E+20	0,000000E+00	0,000000E+00	1,149619E+20	1,291685E+21
-1865	3,687251E+21	6,659361E+21	8,939620E+21	8,939417E+21	6,658900E+21	3,686871E+21	1,291514E+21	1,149255E+20	0,000000E+00	0,000000E+00	1,149816E+20	1,291710E+21
-1864	3,687016E+21	6,658794E+21	8,938947E+21	8,939098E+21	6,659046E+21	3,687179E+21	1,291791E+21	1,149984E+20	0,000000E+00	0,000000E+00	1,149549E+20	1,291555E+21
-1863	3,686818E+21	6,658764E+21	8,939082E+21	8,939029E+21	6,658798E+21	3,686974E+21	1,291710E+21	1,150199E+20	0,000000E+00	0,000000E+00	1,150357E+20	1,291807E+21
-1862	3,687114E+21	6,658805E+21	8,938734E+21	8,938488E+21	6,658335E+21	3,686773E+21	1,291647E+21	1,150004E+20	0,000000E+00	0,000000E+00	1,150366E+20	1,291744E+21
-1861	3,686732E+21	6,658053E+21	8,938094E+21	8,938302E+21	6,658461E+21	3,687002E+21	1,291888E+21	1,150847E+20	0,000000E+00	0,000000E+00	1,150485E+20	1,291726E+21
-1860	3,686838E+21	6,658300E+21	8,938178E+21	8,938086E+21	6,658057E+21	3,686645E+21	1,291676E+21	1,150597E+20	0,000000E+00	0,000000E+00	1,151171E+20	1,291957E+21
-1859	3,686999E+21	6,658174E+21	8,937686E+21	8,937550E+21	6,657916E+21	3,686791E+21	1,291814E+21	1,150770E+20	0,000000E+00	0,000000E+00	1,150841E+20	1,291770E+21
-1858	3,686581E+21	6,657690E+21	8,937630E+21	8,937759E+21	6,658069E+21	3,686920E+21	1,291963E+21	1,151380E+20	0,000000E+00	0,000000E+00	1,150983E+20	1,291817E+21
-1857	3,686865E+21	6,658140E+21	8,937829E+21	8,937630E+21	6,657697E+21	3,686549E+21	1,291713E+21	1,150852E+20	0,000000E+00	0,000000E+00	1,151329E+20	1,291918E+21
-1856	3,686739E+21	6,657685E+21	8,937270E+21	8,937421E+21	6,657952E+21	3,686879E+21	1,291921E+21	1,151108E+20	0,000000E+00	0,000000E+00	1,150762E+20	1,291714E+21
-1855	3,686517E+21	6,657675E+21	8,937643E+21	8,937774E+21	6,658064E+21	3,686848E+21	1,291866E+21	1,151156E+20	0,000000E+00	0,000000E+00	1,151070E+20	1,291906E+21
-1854	3,686997E+21	6,658235E+21	8,937874E+21	8,937704E+21	6,657840E+21	3,686631E+21	1,291684E+21	1,150450E+20	0,000000E+00	0,000000E+00	1,150896E+20	1,291845E+21
-1853	3,686789E+21	6,657948E+21	8,937763E+21	8,937970E+21	6,658302E+21	3,686974E+21	1,291880E+21	1,150715E+20	0,000000E+00	0,000000E+00	1,150247E+20	1,291678E+21
-1852	3,686835E+21	6,658496E+21	8,938530E+21	8,938414E+21	6,658326E+21	3,686765E+21	1,291671E+21	1,150356E+20	0,000000E+00	0,000000E+00	1,150615E+20	1,291860E+21
-1851	3,687115E+21	6,658746E+21	8,938654E+21	8,938448E+21	6,658396E+21	3,686845E+21	1,291668E+21	1,149892E+20	0,000000E+00	0,000000E+00	1,150034E+20	1,291664E+21
-1850	3,686743E+21	6,658340E+21	8,938729E+21	8,938978E+21	6,658881E+21	3,687114E+21	1,291830E+21	1,150386E+20	0,000000E+00	0,000000E+00	1,149854E+20	1,291640E+21
-1849	3,686999E+21	6,658911E+21	8,939115E+21	8,939042E+21	6,658684E+21	3,686804E+21	1,291566E+21	1,149778E+20	0,000000E+00	0,000000E+00	1,150323E+20	1,291805E+21

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°
-1848	3,687035E+21	6,658671E+21	8,938653E+21	8,938703E+21	6,658757E+21	3,687048E+21	1,291731E+21	1,149875E+20	0,000000E+00	0,000000E+00	1,149738E+20	1,291611E+21
-1847	3,686753E+21	6,658448E+21	8,938771E+21	8,938887E+21	6,658840E+21	3,687105E+21	1,291808E+21	1,150415E+20	0,000000E+00	0,000000E+00	1,150188E+20	1,291743E+21
-1846	3,687108E+21	6,658872E+21	8,938863E+21	8,938596E+21	6,658335E+21	3,686730E+21	1,291608E+21	1,149921E+20	0,000000E+00	0,000000E+00	1,150449E+20	1,291788E+21
-1845	3,686881E+21	6,658284E+21	8,938178E+21	8,938285E+21	6,658433E+21	3,686967E+21	1,291843E+21	1,150592E+20	0,000000E+00	0,000000E+00	1,150219E+20	1,291648E+21
-1844	3,686684E+21	6,658207E+21	8,938254E+21	8,938225E+21	6,658245E+21	3,686782E+21	1,291752E+21	1,150758E+20	0,000000E+00	0,000000E+00	1,151010E+20	1,291899E+21
-1843	3,686983E+21	6,658253E+21	8,937891E+21	8,937656E+21	6,657810E+21	3,686641E+21	1,291716E+21	1,150589E+20	0,000000E+00	0,000000E+00	1,151032E+20	1,291854E+21
-1842	3,686646E+21	6,657550E+21	8,937326E+21	8,937558E+21	6,657986E+21	3,686903E+21	1,291977E+21	1,151446E+20	0,000000E+00	0,000000E+00	1,151034E+20	1,291787E+21
-1841	3,686723E+21	6,657865E+21	8,937482E+21	8,937359E+21	6,657598E+21	3,686566E+21	1,291780E+21	1,151224E+20	0,000000E+00	0,000000E+00	1,151715E+20	1,292006E+21
-1840	3,686816E+21	6,657631E+21	8,936942E+21	8,936805E+21	6,657397E+21	3,686659E+21	1,291903E+21	1,151396E+20	0,000000E+00	0,000000E+00	1,151379E+20	1,291823E+21
-1839	3,686416E+21	6,657125E+21	8,936825E+21	8,937018E+21	6,657621E+21	3,686819E+21	1,292041E+21	1,151959E+20	0,000000E+00	0,000000E+00	1,151554E+20	1,291877E+21
-1838	3,686698E+21	6,657596E+21	8,937035E+21	8,936876E+21	6,657235E+21	3,686444E+21	1,291785E+21	1,151395E+20	0,000000E+00	0,000000E+00	1,151914E+20	1,292011E+21
-1837	3,686659E+21	6,657248E+21	8,936552E+21	8,936677E+21	6,657434E+21	3,686716E+21	1,291956E+21	1,151527E+20	0,000000E+00	0,000000E+00	1,151292E+20	1,291810E+21
-1836	3,686486E+21	6,657329E+21	8,937005E+21	8,937101E+21	6,657599E+21	3,686693E+21	1,291897E+21	1,151541E+20	0,000000E+00	0,000000E+00	1,151510E+20	1,291966E+21
-1835	3,686935E+21	6,657934E+21	8,937338E+21	8,937105E+21	6,657438E+21	3,686532E+21	1,291742E+21	1,150877E+20	0,000000E+00	0,000000E+00	1,151320E+20	1,291903E+21
-1834	3,686708E+21	6,657636E+21	8,937344E+21	8,937537E+21	6,657964E+21	3,686885E+21	1,291947E+21	1,151183E+20	0,000000E+00	0,000000E+00	1,150612E+20	1,291700E+21
-1833	3,686692E+21	6,658119E+21	8,938038E+21	8,937964E+21	6,658026E+21	3,686700E+21	1,291746E+21	1,150856E+20	0,000000E+00	0,000000E+00	1,151058E+20	1,291897E+21
-1832	3,686927E+21	6,658214E+21	8,937969E+21	8,937847E+21	6,658011E+21	3,686751E+21	1,291734E+21	1,150398E+20	0,000000E+00	0,000000E+00	1,150520E+20	1,291732E+21
-1831	3,686633E+21	6,657838E+21	8,937932E+21	8,938238E+21	6,658469E+21	3,687045E+21	1,291906E+21	1,150912E+20	0,000000E+00	0,000000E+00	1,150399E+20	1,291707E+21
-1830	3,686881E+21	6,658438E+21	8,938336E+21	8,938251E+21	6,658196E+21	3,686708E+21	1,291655E+21	1,150349E+20	0,000000E+00	0,000000E+00	1,150878E+20	1,291882E+21
-1829	3,686955E+21	6,658265E+21	8,937943E+21	8,937908E+21	6,658175E+21	3,686868E+21	1,291787E+21	1,150413E+20	0,000000E+00	0,000000E+00	1,150306E+20	1,291685E+21
-1828	3,686648E+21	6,658008E+21	8,938067E+21	8,938142E+21	6,658280E+21	3,686909E+21	1,291856E+21	1,150951E+20	0,000000E+00	0,000000E+00	1,150756E+20	1,291803E+21
-1827	3,686946E+21	6,658351E+21	8,938109E+21	8,937863E+21	6,657839E+21	3,686583E+21	1,291670E+21	1,150490E+20	0,000000E+00	0,000000E+00	1,151088E+20	1,291884E+21
-1826	3,686748E+21	6,657747E+21	8,937434E+21	8,937591E+21	6,657969E+21	3,686843E+21	1,291911E+21	1,151164E+20	0,000000E+00	0,000000E+00	1,150820E+20	1,291728E+21
-1825	3,686562E+21	6,657705E+21	8,937487E+21	8,937487E+21	6,657779E+21	3,686686E+21	1,291839E+21	1,151349E+20	0,000000E+00	0,000000E+00	1,151624E+20	1,291983E+21
-1824	3,686848E+21	6,657704E+21	8,937045E+21	8,936827E+21	6,657273E+21	3,686517E+21	1,291806E+21	1,151227E+20	0,000000E+00	0,000000E+00	1,151630E+20	1,291933E+21
-1823	3,686541E+21	6,657056E+21	8,936483E+21	8,936695E+21	6,657474E+21	3,686814E+21	1,292080E+21	1,152106E+20	0,000000E+00	0,000000E+00	1,151633E+20	1,291840E+21
-1822	3,686545E+21	6,657341E+21	8,936714E+21	8,936570E+21	6,657068E+21	3,686450E+21	1,291886E+21	1,151914E+20	0,000000E+00	0,000000E+00	1,152322E+20	1,292075E+21
-1821	3,686663E+21	6,657091E+21	8,936151E+21	8,936030E+21	6,656842E+21	3,686475E+21	1,291958E+21	1,151967E+20	0,000000E+00	0,000000E+00	1,152002E+20	1,291912E+21
-1820	3,686291E+21	6,656594E+21	8,936004E+21	8,936246E+21	6,657109E+21	3,686649E+21	1,292081E+21	1,152438E+20	0,000000E+00	0,000000E+00	1,152115E+20	1,291962E+21
-1819	3,686593E+21	6,657127E+21	8,936282E+21	8,936134E+21	6,656768E+21	3,686326E+21	1,291841E+21	1,151863E+20	0,000000E+00	0,000000E+00	1,152447E+20	1,292105E+21
-1818	3,686606E+21	6,656890E+21	8,935968E+21	8,936069E+21	6,657019E+21	3,686611E+21	1,292019E+21	1,151984E+20	0,000000E+00	0,000000E+00	1,151684E+20	1,291851E+21
-1817	3,686404E+21	6,657047E+21	8,936537E+21	8,936575E+21	6,657234E+21	3,686614E+21	1,291975E+21	1,152032E+20	0,000000E+00	0,000000E+00	1,151899E+20	1,291991E+21
-1816	3,686775E+21	6,657518E+21	8,936794E+21	8,936577E+21	6,657051E+21	3,686423E+21	1,291811E+21	1,151391E+20	0,000000E+00	0,000000E+00	1,151725E+20	1,291935E+21
-1815	3,686559E+21	6,657175E+21	8,936682E+21	8,936964E+21	6,657646E+21	3,686824E+21	1,292017E+21	1,151687E+20	0,000000E+00	0,000000E+00	1,151093E+20	1,291743E+21
-1814	3,686521E+21	6,657625E+21	8,937352E+21	8,937343E+21	6,657660E+21	3,686632E+21	1,291822E+21	1,151361E+20	0,000000E+00	0,000000E+00	1,151582E+20	1,291976E+21
-1813	3,686835E+21	6,657766E+21	8,937251E+21	8,937140E+21	6,657532E+21	3,686605E+21	1,291776E+21	1,150827E+20	0,000000E+00	0,000000E+00	1,151062E+20	1,291825E+21

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°
-1812	3,686582E+21	6,657447E+21	8,937203E+21	8,937496E+21	6,657973E+21	3,686891E+21	1,291950E+21	1,151348E+20	0,000000E+00	0,000000E+00	1,150909E+20	1,291777E+21
-1811	3,686785E+21	6,658052E+21	8,937672E+21	8,937524E+21	6,657703E+21	3,686580E+21	1,291722E+21	1,150858E+20	0,000000E+00	0,000000E+00	1,151412E+20	1,291956E+21
-1810	3,686842E+21	6,657855E+21	8,937358E+21	8,937285E+21	6,657699E+21	3,686722E+21	1,291855E+21	1,150979E+20	0,000000E+00	0,000000E+00	1,150824E+20	1,291739E+21
-1809	3,686499E+21	6,657543E+21	8,937398E+21	8,937494E+21	6,657837E+21	3,686783E+21	1,291930E+21	1,151542E+20	0,000000E+00	0,000000E+00	1,151349E+20	1,291874E+21
-1808	3,686766E+21	6,657749E+21	8,937251E+21	8,937074E+21	6,657334E+21	3,686450E+21	1,291747E+21	1,151112E+20	0,000000E+00	0,000000E+00	1,151711E+20	1,291980E+21
-1807	3,686646E+21	6,657205E+21	8,936523E+21	8,936724E+21	6,657474E+21	3,686752E+21	1,292003E+21	1,151805E+20	0,000000E+00	0,000000E+00	1,151470E+20	1,291810E+21
-1806	3,686433E+21	6,657193E+21	8,936653E+21	8,936631E+21	6,657242E+21	3,686583E+21	1,291948E+21	1,152032E+20	0,000000E+00	0,000000E+00	1,152242E+20	1,292061E+21
-1805	3,686732E+21	6,657224E+21	8,936269E+21	8,935996E+21	6,656675E+21	3,686342E+21	1,291883E+21	1,151863E+20	0,000000E+00	0,000000E+00	1,152255E+20	1,292005E+21
-1804	3,686398E+21	6,656549E+21	8,935701E+21	8,935916E+21	6,656921E+21	3,686635E+21	1,292144E+21	1,152687E+20	0,000000E+00	0,000000E+00	1,152226E+20	1,291902E+21
-1803	3,686352E+21	6,656766E+21	8,935909E+21	8,935818E+21	6,656592E+21	3,686323E+21	1,291954E+21	1,152481E+20	0,000000E+00	0,000000E+00	1,152927E+20	1,292164E+21
-1802	3,686524E+21	6,656571E+21	8,935425E+21	8,935344E+21	6,656392E+21	3,686357E+21	1,292021E+21	1,152482E+20	0,000000E+00	0,000000E+00	1,152532E+20	1,291990E+21
-1801	3,686197E+21	6,656164E+21	8,935310E+21	8,935559E+21	6,656672E+21	3,686544E+21	1,292150E+21	1,152933E+20	0,000000E+00	0,000000E+00	1,152604E+20	1,292029E+21
-1800	3,686481E+21	6,656677E+21	8,935567E+21	8,935424E+21	6,656317E+21	3,686217E+21	1,291915E+21	1,152386E+20	0,000000E+00	0,000000E+00	1,152898E+20	1,292165E+21
-1799	3,686531E+21	6,656538E+21	8,935341E+21	8,935408E+21	6,656613E+21	3,686529E+21	1,292095E+21	1,152514E+20	0,000000E+00	0,000000E+00	1,152142E+20	1,291887E+21
-1798	3,686253E+21	6,656643E+21	8,935976E+21	8,936000E+21	6,656836E+21	3,686517E+21	1,292056E+21	1,152588E+20	0,000000E+00	0,000000E+00	1,152377E+20	1,292045E+21
-1797	3,686645E+21	6,657068E+21	8,936162E+21	8,935989E+21	6,656638E+21	3,686275E+21	1,291848E+21	1,151840E+20	0,000000E+00	0,000000E+00	1,152248E+20	1,292012E+21
-1796	3,686463E+21	6,656740E+21	8,935979E+21	8,936304E+21	6,657222E+21	3,686686E+21	1,292048E+21	1,152078E+20	0,000000E+00	0,000000E+00	1,151599E+20	1,291822E+21
-1795	3,686422E+21	6,657196E+21	8,936656E+21	8,936662E+21	6,657247E+21	3,686535E+21	1,291876E+21	1,151781E+20	0,000000E+00	0,000000E+00	1,152079E+20	1,292058E+21
-1794	3,686768E+21	6,657421E+21	8,936681E+21	8,936518E+21	6,657106E+21	3,686494E+21	1,291837E+21	1,151283E+20	0,000000E+00	0,000000E+00	1,151490E+20	1,291874E+21
-1793	3,686490E+21	6,657120E+21	8,936659E+21	8,936880E+21	6,657539E+21	3,686777E+21	1,292024E+21	1,151867E+20	0,000000E+00	0,000000E+00	1,151374E+20	1,291817E+21
-1792	3,686609E+21	6,657552E+21	8,936988E+21	8,936862E+21	6,657243E+21	3,686449E+21	1,291798E+21	1,151443E+20	0,000000E+00	0,000000E+00	1,151929E+20	1,292017E+21
-1791	3,686698E+21	6,657338E+21	8,936562E+21	8,936548E+21	6,657271E+21	3,686624E+21	1,291932E+21	1,151590E+20	0,000000E+00	0,000000E+00	1,151430E+20	1,291808E+21
-1790	3,686331E+21	6,656993E+21	8,936596E+21	8,936716E+21	6,657355E+21	3,686679E+21	1,292021E+21	1,152177E+20	0,000000E+00	0,000000E+00	1,151982E+20	1,291972E+21
-1789	3,686667E+21	6,657223E+21	8,936404E+21	8,936237E+21	6,656773E+21	3,686286E+21	1,291812E+21	1,151705E+20	0,000000E+00	0,000000E+00	1,152365E+20	1,292080E+21
-1788	3,686562E+21	6,656735E+21	8,935687E+21	8,935862E+21	6,656906E+21	3,686592E+21	1,292076E+21	1,152393E+20	0,000000E+00	0,000000E+00	1,152097E+20	1,291888E+21
-1787	3,686289E+21	6,656696E+21	8,935887E+21	8,935825E+21	6,656705E+21	3,686456E+21	1,292040E+21	1,152670E+20	0,000000E+00	0,000000E+00	1,152860E+20	1,292134E+21
-1786	3,686565E+21	6,656703E+21	8,935563E+21	8,935282E+21	6,656168E+21	3,686199E+21	1,291966E+21	1,152507E+20	0,000000E+00	0,000000E+00	1,152845E+20	1,292067E+21
-1785	3,686224E+21	6,656002E+21	8,934917E+21	8,935175E+21	6,656450E+21	3,686509E+21	1,292220E+21	1,153288E+20	0,000000E+00	0,000000E+00	1,152828E+20	1,291978E+21
-1784	3,686172E+21	6,656135E+21	8,934998E+21	8,934972E+21	6,656074E+21	3,686193E+21	1,292029E+21	1,153076E+20	0,000000E+00	0,000000E+00	1,153503E+20	1,292255E+21
-1783	3,686437E+21	6,656069E+21	8,934551E+21	8,934494E+21	6,655908E+21	3,686257E+21	1,292100E+21	1,153057E+20	0,000000E+00	0,000000E+00	1,153083E+20	1,292059E+21
-1782	3,686095E+21	6,655752E+21	8,934630E+21	8,934823E+21	6,656190E+21	3,686433E+21	1,292234E+21	1,153505E+20	0,000000E+00	0,000000E+00	1,153099E+20	1,292096E+21
-1781	3,686399E+21	6,656300E+21	8,934967E+21	8,934767E+21	6,655828E+21	3,686055E+21	1,291967E+21	1,152891E+20	0,000000E+00	0,000000E+00	1,153394E+20	1,292222E+21
-1780	3,686424E+21	6,656157E+21	8,934767E+21	8,934832E+21	6,656196E+21	3,686379E+21	1,292133E+21	1,152935E+20	0,000000E+00	0,000000E+00	1,152621E+20	1,291942E+21
-1779	3,686109E+21	6,656208E+21	8,935378E+21	8,935446E+21	6,656493E+21	3,686427E+21	1,292102E+21	1,152998E+20	0,000000E+00	0,000000E+00	1,152858E+20	1,292114E+21
-1778	3,686531E+21	6,656665E+21	8,935613E+21	8,935456E+21	6,656297E+21	3,686187E+21	1,291894E+21	1,152224E+20	0,000000E+00	0,000000E+00	1,152675E+20	1,292074E+21
-1777	3,686387E+21	6,656393E+21	8,935400E+21	8,935712E+21	6,656862E+21	3,686604E+21	1,292106E+21	1,152486E+20	0,000000E+00	0,000000E+00	1,152022E+20	1,291877E+21

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°
-1776	3,686309E+21	6,656762E+21	8,935975E+21	8,935978E+21	6,656829E+21	3,686445E+21	1,291952E+21	1,152280E+20	0,000000E+00	0,000000E+00	1,152501E+20	1,292108E+21
-1775	3,686673E+21	6,657036E+21	8,936022E+21	8,935832E+21	6,656687E+21	3,686407E+21	1,291924E+21	1,151861E+20	0,000000E+00	0,000000E+00	1,151978E+20	1,291916E+21
-1774	3,686325E+21	6,656655E+21	8,936023E+21	8,936227E+21	6,657082E+21	3,686652E+21	1,292109E+21	1,152493E+20	0,000000E+00	0,000000E+00	1,151936E+20	1,291890E+21
-1773	3,686473E+21	6,657016E+21	8,936221E+21	8,936122E+21	6,656737E+21	3,686280E+21	1,291851E+21	1,152010E+20	0,000000E+00	0,000000E+00	1,152566E+20	1,292116E+21
-1772	3,686601E+21	6,656837E+21	8,935744E+21	8,935732E+21	6,656734E+21	3,686458E+21	1,291982E+21	1,152118E+20	0,000000E+00	0,000000E+00	1,152079E+20	1,291909E+21
-1771	3,686227E+21	6,656496E+21	8,935784E+21	8,935895E+21	6,656843E+21	3,686559E+21	1,292095E+21	1,152738E+20	0,000000E+00	0,000000E+00	1,152597E+20	1,292059E+21
-1770	3,686564E+21	6,656791E+21	8,935723E+21	8,935490E+21	6,656272E+21	3,686160E+21	1,291894E+21	1,152311E+20	0,000000E+00	0,000000E+00	1,152927E+20	1,292140E+21
-1769	3,686427E+21	6,656286E+21	8,934999E+21	8,935119E+21	6,656400E+21	3,686465E+21	1,292165E+21	1,153032E+20	0,000000E+00	0,000000E+00	1,152678E+20	1,291939E+21
-1768	3,686065E+21	6,656040E+21	8,935020E+21	8,935034E+21	6,656202E+21	3,686329E+21	1,292133E+21	1,153341E+20	0,000000E+00	0,000000E+00	1,153455E+20	1,292202E+21
-1767	3,686392E+21	6,656087E+21	8,934637E+21	8,934437E+21	6,655691E+21	3,686096E+21	1,292053E+21	1,153163E+20	0,000000E+00	0,000000E+00	1,153496E+20	1,292149E+21
-1766	3,686061E+21	6,655417E+21	8,934053E+21	8,934316E+21	6,655909E+21	3,686384E+21	1,292305E+21	1,153904E+20	0,000000E+00	0,000000E+00	1,153447E+20	1,292083E+21
-1765	3,686098E+21	6,655629E+21	8,934160E+21	8,934112E+21	6,655503E+21	3,686022E+21	1,292085E+21	1,153616E+20	0,000000E+00	0,000000E+00	1,154092E+20	1,292349E+21
-1764	3,686393E+21	6,655701E+21	8,933853E+21	8,933705E+21	6,655365E+21	3,686090E+21	1,292150E+21	1,153541E+20	0,000000E+00	0,000000E+00	1,153612E+20	1,292126E+21
-1763	3,685995E+21	6,655386E+21	8,934066E+21	8,934191E+21	6,655738E+21	3,686308E+21	1,292296E+21	1,154001E+20	0,000000E+00	0,000000E+00	1,153586E+20	1,292149E+21
-1762	3,686269E+21	6,655922E+21	8,934485E+21	8,934277E+21	6,655470E+21	3,685941E+21	1,292022E+21	1,153373E+20	0,000000E+00	0,000000E+00	1,153849E+20	1,292267E+21
-1761	3,686288E+21	6,655742E+21	8,934203E+21	8,934305E+21	6,655872E+21	3,686295E+21	1,292185E+21	1,153367E+20	0,000000E+00	0,000000E+00	1,153078E+20	1,291997E+21
-1760	3,685956E+21	6,655676E+21	8,934652E+21	8,934799E+21	6,656128E+21	3,686358E+21	1,292171E+21	1,153462E+20	0,000000E+00	0,000000E+00	1,153293E+20	1,292175E+21
-1759	3,686445E+21	6,656240E+21	8,934891E+21	8,934764E+21	6,655924E+21	3,686130E+21	1,291974E+21	1,152724E+20	0,000000E+00	0,000000E+00	1,153117E+20	1,292118E+21
-1758	3,686271E+21	6,656010E+21	8,934798E+21	8,935034E+21	6,656418E+21	3,686511E+21	1,292193E+21	1,153036E+20	0,000000E+00	0,000000E+00	1,152475E+20	1,291933E+21
-1757	3,686209E+21	6,656340E+21	8,935342E+21	8,935296E+21	6,656337E+21	3,686287E+21	1,292010E+21	1,152809E+20	0,000000E+00	0,000000E+00	1,153015E+20	1,292167E+21
-1756	3,686557E+21	6,656595E+21	8,935360E+21	8,935162E+21	6,656210E+21	3,686242E+21	1,291967E+21	1,152352E+20	0,000000E+00	0,000000E+00	1,152548E+20	1,291994E+21
-1755	3,686192E+21	6,656171E+21	8,935331E+21	8,935553E+21	6,656644E+21	3,686527E+21	1,292158E+21	1,152982E+20	0,000000E+00	0,000000E+00	1,152537E+20	1,291984E+21
-1754	3,686370E+21	6,656565E+21	8,935559E+21	8,935440E+21	6,656288E+21	3,686158E+21	1,291909E+21	1,152512E+20	0,000000E+00	0,000000E+00	1,153127E+20	1,292199E+21
-1753	3,686518E+21	6,656414E+21	8,935050E+21	8,935006E+21	6,656274E+21	3,686348E+21	1,292052E+21	1,152656E+20	0,000000E+00	0,000000E+00	1,152647E+20	1,291980E+21
-1752	3,686089E+21	6,655968E+21	8,934979E+21	8,935077E+21	6,656337E+21	3,686455E+21	1,292192E+21	1,153370E+20	0,000000E+00	0,000000E+00	1,153150E+20	1,292115E+21
-1751	3,686413E+21	6,656265E+21	8,934905E+21	8,934673E+21	6,655773E+21	3,686061E+21	1,292004E+21	1,153032E+20	0,000000E+00	0,000000E+00	1,153535E+20	1,292191E+21
-1750	3,686215E+21	6,655680E+21	8,934183E+21	8,934310E+21	6,655868E+21	3,686335E+21	1,292267E+21	1,153755E+20	0,000000E+00	0,000000E+00	1,153344E+20	1,292032E+21
-1749	3,685912E+21	6,655383E+21	8,934059E+21	8,934121E+21	6,655613E+21	3,686152E+21	1,292197E+21	1,153972E+20	0,000000E+00	0,000000E+00	1,154143E+20	1,292310E+21
-1748	3,686293E+21	6,655533E+21	8,933718E+21	8,933501E+21	6,655077E+21	3,685917E+21	1,292109E+21	1,153715E+20	0,000000E+00	0,000000E+00	1,154159E+20	1,292256E+21
-1747	3,685983E+21	6,654956E+21	8,933275E+21	8,933483E+21	6,655353E+21	3,686231E+21	1,292364E+21	1,154427E+20	0,000000E+00	0,000000E+00	1,154023E+20	1,292166E+21
-1746	3,686021E+21	6,655281E+21	8,933592E+21	8,933436E+21	6,655014E+21	3,685884E+21	1,292149E+21	1,154147E+20	0,000000E+00	0,000000E+00	1,154579E+20	1,292398E+21
-1745	3,686282E+21	6,655349E+21	8,933350E+21	8,933150E+21	6,654960E+21	3,685975E+21	1,292212E+21	1,154047E+20	0,000000E+00	0,000000E+00	1,154078E+20	1,292161E+21
-1744	3,685809E+21	6,654865E+21	8,933409E+21	8,933615E+21	6,655387E+21	3,686227E+21	1,292368E+21	1,154519E+20	0,000000E+00	0,000000E+00	1,154035E+20	1,292192E+21
-1743	3,686119E+21	6,655426E+21	8,933767E+21	8,933668E+21	6,655164E+21	3,685902E+21	1,292102E+21	1,153893E+20	0,000000E+00	0,000000E+00	1,154325E+20	1,292316E+21
-1742	3,686137E+21	6,655258E+21	8,933531E+21	8,933662E+21	6,655484E+21	3,686226E+21	1,292264E+21	1,153860E+20	0,000000E+00	0,000000E+00	1,153555E+20	1,292079E+21
-1741	3,685886E+21	6,655212E+21	8,933910E+21	8,934072E+21	6,655667E+21	3,686234E+21	1,292226E+21	1,153920E+20	0,000000E+00	0,000000E+00	1,153777E+20	1,292245E+21

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°
-1740	3,686388E+21	6,655890E+21	8,934260E+21	8,934043E+21	6,655418E+21	3,685986E+21	1,292025E+21	1,153163E+20	0,000000E+00	0,000000E+00	1,153614E+20	1,292184E+21
-1739	3,686176E+21	6,655647E+21	8,934242E+21	8,934407E+21	6,655947E+21	3,686366E+21	1,292243E+21	1,153508E+20	0,000000E+00	0,000000E+00	1,152982E+20	1,291998E+21
-1738	3,686097E+21	6,655963E+21	8,934818E+21	8,934738E+21	6,655923E+21	3,686146E+21	1,292056E+21	1,153291E+20	0,000000E+00	0,000000E+00	1,153535E+20	1,292237E+21
-1737	3,686458E+21	6,656182E+21	8,934742E+21	8,934541E+21	6,655800E+21	3,686120E+21	1,292011E+21	1,152822E+20	0,000000E+00	0,000000E+00	1,153088E+20	1,292069E+21
-1736	3,686064E+21	6,655633E+21	8,934535E+21	8,934807E+21	6,656201E+21	3,686434E+21	1,292232E+21	1,153515E+20	0,000000E+00	0,000000E+00	1,153065E+20	1,292055E+21
-1735	3,686275E+21	6,656097E+21	8,934767E+21	8,934675E+21	6,655856E+21	3,686087E+21	1,292008E+21	1,153134E+20	0,000000E+00	0,000000E+00	1,153665E+20	1,292247E+21
-1734	3,686363E+21	6,655928E+21	8,934339E+21	8,934235E+21	6,655758E+21	3,686245E+21	1,292162E+21	1,153344E+20	0,000000E+00	0,000000E+00	1,153235E+20	1,292048E+21
-1733	3,685936E+21	6,655380E+21	8,934141E+21	8,934250E+21	6,655770E+21	3,686298E+21	1,292277E+21	1,154036E+20	0,000000E+00	0,000000E+00	1,153789E+20	1,292184E+21
-1732	3,686244E+21	6,655677E+21	8,934039E+21	8,933810E+21	6,655188E+21	3,685891E+21	1,292073E+21	1,153650E+20	0,000000E+00	0,000000E+00	1,154228E+20	1,292284E+21
-1731	3,686058E+21	6,655087E+21	8,933313E+21	8,933442E+21	6,655296E+21	3,686177E+21	1,292329E+21	1,154335E+20	0,000000E+00	0,000000E+00	1,154025E+20	1,292137E+21
-1730	3,685810E+21	6,654888E+21	8,933277E+21	8,933301E+21	6,655058E+21	3,685994E+21	1,292258E+21	1,154527E+20	0,000000E+00	0,000000E+00	1,154747E+20	1,292401E+21
-1729	3,686222E+21	6,655112E+21	8,932993E+21	8,932731E+21	6,654564E+21	3,685776E+21	1,292172E+21	1,154260E+20	0,000000E+00	0,000000E+00	1,154714E+20	1,292324E+21
-1728	3,685859E+21	6,654479E+21	8,932549E+21	8,932740E+21	6,654872E+21	3,686122E+21	1,292451E+21	1,155015E+20	0,000000E+00	0,000000E+00	1,154524E+20	1,292215E+21
-1727	3,685883E+21	6,654822E+21	8,932920E+21	8,932797E+21	6,654617E+21	3,685806E+21	1,292251E+21	1,154798E+20	0,000000E+00	0,000000E+00	1,155095E+20	1,292434E+21
-1726	3,686080E+21	6,654820E+21	8,932696E+21	8,932549E+21	6,654568E+21	3,685890E+21	1,292302E+21	1,154649E+20	0,000000E+00	0,000000E+00	1,154633E+20	1,292240E+21
-1725	3,685676E+21	6,654294E+21	8,932591E+21	8,932885E+21	6,654942E+21	3,686110E+21	1,292425E+21	1,155021E+20	0,000000E+00	0,000000E+00	1,154586E+20	1,292273E+21
-1724	3,686028E+21	6,654961E+21	8,932998E+21	8,932896E+21	6,654672E+21	3,685777E+21	1,292153E+21	1,154320E+20	0,000000E+00	0,000000E+00	1,154848E+20	1,292397E+21
-1723	3,686070E+21	6,654885E+21	8,932890E+21	8,932965E+21	6,655009E+21	3,686098E+21	1,292313E+21	1,154272E+20	0,000000E+00	0,000000E+00	1,154022E+20	1,292147E+21
-1722	3,685830E+21	6,654935E+21	8,933412E+21	8,933467E+21	6,655213E+21	3,686096E+21	1,292275E+21	1,154358E+20	0,000000E+00	0,000000E+00	1,154201E+20	1,292290E+21
-1721	3,686293E+21	6,655567E+21	8,933783E+21	8,933530E+21	6,655029E+21	3,685857E+21	1,292069E+21	1,153597E+20	0,000000E+00	0,000000E+00	1,154052E+20	1,292227E+21
-1720	3,686028E+21	6,655182E+21	8,933619E+21	8,933844E+21	6,655582E+21	3,686264E+21	1,292297E+21	1,153975E+20	0,000000E+00	0,000000E+00	1,153452E+20	1,292056E+21
-1719	3,685979E+21	6,655503E+21	8,934123E+21	8,934122E+21	6,655576E+21	3,686084E+21	1,292135E+21	1,153825E+20	0,000000E+00	0,000000E+00	1,154036E+20	1,292293E+21
-1718	3,686319E+21	6,655708E+21	8,934065E+21	8,933884E+21	6,655384E+21	3,686041E+21	1,292097E+21	1,153381E+20	0,000000E+00	0,000000E+00	1,153631E+20	1,292155E+21
-1717	3,685981E+21	6,655138E+21	8,933722E+21	8,934001E+21	6,655691E+21	3,686310E+21	1,292309E+21	1,154089E+20	0,000000E+00	0,000000E+00	1,153633E+20	1,292120E+21
-1716	3,686159E+21	6,655642E+21	8,934011E+21	8,933844E+21	6,655281E+21	3,685947E+21	1,292093E+21	1,153734E+20	0,000000E+00	0,000000E+00	1,154271E+20	1,292313E+21
-1715	3,686201E+21	6,655407E+21	8,933596E+21	8,933469E+21	6,655197E+21	3,686083E+21	1,292241E+21	1,153980E+20	0,000000E+00	0,000000E+00	1,153896E+20	1,292130E+21
-1714	3,685782E+21	6,654841E+21	8,933354E+21	8,933472E+21	6,655231E+21	3,686131E+21	1,292342E+21	1,154648E+20	0,000000E+00	0,000000E+00	1,154457E+20	1,292278E+21
-1713	3,686111E+21	6,655125E+21	8,933197E+21	8,932985E+21	6,654649E+21	3,685737E+21	1,292131E+21	1,154227E+20	0,000000E+00	0,000000E+00	1,154881E+20	1,292381E+21
-1712	3,685930E+21	6,654502E+21	8,932396E+21	8,932551E+21	6,654738E+21	3,686040E+21	1,292404E+21	1,154929E+20	0,000000E+00	0,000000E+00	1,154625E+20	1,292222E+21
-1711	3,685721E+21	6,654414E+21	8,932458E+21	8,932485E+21	6,654558E+21	3,685890E+21	1,292359E+21	1,155194E+20	0,000000E+00	0,000000E+00	1,155301E+20	1,292452E+21
-1710	3,686070E+21	6,654645E+21	8,932322E+21	8,932022E+21	6,654071E+21	3,685666E+21	1,292275E+21	1,154938E+20	0,000000E+00	0,000000E+00	1,155287E+20	1,292391E+21
-1709	3,685711E+21	6,653931E+21	8,931777E+21	8,932019E+21	6,654385E+21	3,685984E+21	1,292525E+21	1,155620E+20	0,000000E+00	0,000000E+00	1,155108E+20	1,292278E+21
-1708	3,685727E+21	6,654304E+21	8,932166E+21	8,932070E+21	6,654143E+21	3,685686E+21	1,292316E+21	1,155323E+20	0,000000E+00	0,000000E+00	1,155693E+20	1,292516E+21
-1707	3,685945E+21	6,654310E+21	8,931957E+21	8,931847E+21	6,654111E+21	3,685773E+21	1,292355E+21	1,155100E+20	0,000000E+00	0,000000E+00	1,155190E+20	1,292328E+21
-1706	3,685604E+21	6,653903E+21	8,931924E+21	8,932208E+21	6,654495E+21	3,685985E+21	1,292470E+21	1,155429E+20	0,000000E+00	0,000000E+00	1,155059E+20	1,292347E+21
-1705	3,685974E+21	6,654642E+21	8,932407E+21	8,932254E+21	6,654240E+21	3,685653E+21	1,292194E+21	1,154718E+20	0,000000E+00	0,000000E+00	1,155260E+20	1,292444E+21

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°
-1704	3,685965E+21	6,654510E+21	8,932298E+21	8,932337E+21	6,654579E+21	3,685987E+21	1,292376E+21	1,154736E+20	0,000000E+00	0,000000E+00	1,154412E+20	1,292183E+21
-1703	3,685715E+21	6,654562E+21	8,932857E+21	8,932948E+21	6,654865E+21	3,686007E+21	1,292357E+21	1,154916E+20	0,000000E+00	0,000000E+00	1,154637E+20	1,292322E+21
-1702	3,686122E+21	6,655113E+21	8,933199E+21	8,933003E+21	6,654678E+21	3,685771E+21	1,292146E+21	1,154148E+20	0,000000E+00	0,000000E+00	1,154563E+20	1,292306E+21
-1701	3,685916E+21	6,654665E+21	8,932844E+21	8,933142E+21	6,655148E+21	3,686150E+21	1,292355E+21	1,154479E+20	0,000000E+00	0,000000E+00	1,154000E+20	1,292135E+21
-1700	3,685889E+21	6,655062E+21	8,933376E+21	8,933352E+21	6,655072E+21	3,685968E+21	1,292203E+21	1,154321E+20	0,000000E+00	0,000000E+00	1,154593E+20	1,292367E+21
-1699	3,686215E+21	6,655282E+21	8,933373E+21	8,933150E+21	6,654873E+21	3,685909E+21	1,292167E+21	1,153915E+20	0,000000E+00	0,000000E+00	1,154193E+20	1,292222E+21
-1698	3,685874E+21	6,654747E+21	8,933069E+21	8,933284E+21	6,655175E+21	3,686163E+21	1,292381E+21	1,154664E+20	0,000000E+00	0,000000E+00	1,154206E+20	1,292181E+21
-1697	3,686001E+21	6,655150E+21	8,933304E+21	8,933151E+21	6,654794E+21	3,685797E+21	1,292155E+21	1,154311E+20	0,000000E+00	0,000000E+00	1,154859E+20	1,292377E+21
-1696	3,686010E+21	6,654787E+21	8,932722E+21	8,932678E+21	6,654701E+21	3,685956E+21	1,292317E+21	1,154591E+20	0,000000E+00	0,000000E+00	1,154527E+20	1,292218E+21
-1695	3,685645E+21	6,654262E+21	8,932454E+21	8,932649E+21	6,654735E+21	3,686022E+21	1,292437E+21	1,155306E+20	0,000000E+00	0,000000E+00	1,155082E+20	1,292360E+21
-1694	3,685966E+21	6,654571E+21	8,932356E+21	8,932162E+21	6,654120E+21	3,685619E+21	1,292228E+21	1,154889E+20	0,000000E+00	0,000000E+00	1,155524E+20	1,292488E+21
-1693	3,685846E+21	6,653982E+21	8,931507E+21	8,931645E+21	6,654150E+21	3,685886E+21	1,292483E+21	1,155555E+20	0,000000E+00	0,000000E+00	1,155251E+20	1,292300E+21
-1692	3,685609E+21	6,653962E+21	8,931705E+21	8,931644E+21	6,653964E+21	3,685740E+21	1,292445E+21	1,155819E+20	0,000000E+00	0,000000E+00	1,155918E+20	1,292522E+21
-1691	3,685911E+21	6,654141E+21	8,931624E+21	8,931334E+21	6,653569E+21	3,685517E+21	1,292347E+21	1,155545E+20	0,000000E+00	0,000000E+00	1,155919E+20	1,292470E+21
-1690	3,685579E+21	6,653459E+21	8,931051E+21	8,931323E+21	6,653923E+21	3,685844E+21	1,292580E+21	1,156146E+20	0,000000E+00	0,000000E+00	1,155695E+20	1,292361E+21
-1689	3,685601E+21	6,653817E+21	8,931424E+21	8,931366E+21	6,653702E+21	3,685566E+21	1,292364E+21	1,155783E+20	0,000000E+00	0,000000E+00	1,156192E+20	1,292584E+21
-1688	3,685828E+21	6,653827E+21	8,931200E+21	8,931123E+21	6,653667E+21	3,685669E+21	1,292418E+21	1,155555E+20	0,000000E+00	0,000000E+00	1,155631E+20	1,292387E+21
-1687	3,685526E+21	6,653533E+21	8,931273E+21	8,931555E+21	6,654087E+21	3,685899E+21	1,292555E+21	1,155960E+20	0,000000E+00	0,000000E+00	1,155449E+20	1,292373E+21
-1686	3,685828E+21	6,654261E+21	8,931881E+21	8,931709E+21	6,653856E+21	3,685564E+21	1,292279E+21	1,155260E+20	0,000000E+00	0,000000E+00	1,155695E+20	1,292496E+21
-1685	3,685837E+21	6,654063E+21	8,931656E+21	8,931736E+21	6,654171E+21	3,685857E+21	1,292429E+21	1,155229E+20	0,000000E+00	0,000000E+00	1,154893E+20	1,292239E+21
-1684	3,685589E+21	6,654140E+21	8,932217E+21	8,932306E+21	6,654439E+21	3,685893E+21	1,292410E+21	1,155376E+20	0,000000E+00	0,000000E+00	1,155170E+20	1,292398E+21
-1683	3,686007E+21	6,654670E+21	8,932552E+21	8,932389E+21	6,654265E+21	3,685656E+21	1,292196E+21	1,154592E+20	0,000000E+00	0,000000E+00	1,155102E+20	1,292392E+21
-1682	3,685857E+21	6,654311E+21	8,932195E+21	8,932479E+21	6,654708E+21	3,686023E+21	1,292403E+21	1,154922E+20	0,000000E+00	0,000000E+00	1,154526E+20	1,292214E+21
-1681	3,685809E+21	6,654695E+21	8,932743E+21	8,932676E+21	6,654622E+21	3,685847E+21	1,292259E+21	1,154797E+20	0,000000E+00	0,000000E+00	1,155076E+20	1,292415E+21
-1680	3,686066E+21	6,654815E+21	8,932674E+21	8,932442E+21	6,654397E+21	3,685792E+21	1,292249E+21	1,154491E+20	0,000000E+00	0,000000E+00	1,154725E+20	1,292280E+21
-1679	3,685719E+21	6,654237E+21	8,932314E+21	8,932593E+21	6,654730E+21	3,686053E+21	1,292479E+21	1,155342E+20	0,000000E+00	0,000000E+00	1,154795E+20	1,292242E+21
-1678	3,685803E+21	6,654548E+21	8,932478E+21	8,932398E+21	6,654323E+21	3,685686E+21	1,292247E+21	1,154980E+20	0,000000E+00	0,000000E+00	1,155524E+20	1,292486E+21
-1677	3,685885E+21	6,654162E+21	8,931729E+21	8,931734E+21	6,654113E+21	3,685796E+21	1,292388E+21	1,155222E+20	0,000000E+00	0,000000E+00	1,155206E+20	1,292323E+21
-1676	3,685556E+21	6,653766E+21	8,931572E+21	8,931690E+21	6,654093E+21	3,685858E+21	1,292516E+21	1,155917E+20	0,000000E+00	0,000000E+00	1,155740E+20	1,292454E+21
-1675	3,685860E+21	6,654101E+21	8,931581E+21	8,931320E+21	6,653525E+21	3,685455E+21	1,292308E+21	1,155530E+20	0,000000E+00	0,000000E+00	1,156155E+20	1,292562E+21
-1674	3,685730E+21	6,653566E+21	8,930819E+21	8,930896E+21	6,653607E+21	3,685723E+21	1,292555E+21	1,156166E+20	0,000000E+00	0,000000E+00	1,155868E+20	1,292368E+21
-1673	3,685449E+21	6,653467E+21	8,931012E+21	8,930972E+21	6,653499E+21	3,685597E+21	1,292505E+21	1,156385E+20	0,000000E+00	0,000000E+00	1,156478E+20	1,292577E+21
-1672	3,685718E+21	6,653549E+21	8,930805E+21	8,930607E+21	6,653140E+21	3,685420E+21	1,292422E+21	1,156102E+20	0,000000E+00	0,000000E+00	1,156478E+20	1,292542E+21
-1671	3,685442E+21	6,652931E+21	8,930253E+21	8,930618E+21	6,653520E+21	3,685767E+21	1,292669E+21	1,156713E+20	0,000000E+00	0,000000E+00	1,156192E+20	1,292421E+21
-1670	3,685458E+21	6,653320E+21	8,930691E+21	8,930674E+21	6,653285E+21	3,685484E+21	1,292450E+21	1,156334E+20	0,000000E+00	0,000000E+00	1,156677E+20	1,292656E+21
-1669	3,685732E+21	6,653371E+21	8,930439E+21	8,930346E+21	6,653173E+21	3,685541E+21	1,292486E+21	1,156072E+20	0,000000E+00	0,000000E+00	1,156105E+20	1,292442E+21

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°
-1668	3,685423E+21	6,653168E+21	8,930678E+21	8,930854E+21	6,653575E+21	3,685758E+21	1,292622E+21	1,156471E+20	0,000000E+00	0,000000E+00	1,155951E+20	1,292432E+21
-1667	3,685692E+21	6,653835E+21	8,931306E+21	8,931143E+21	6,653439E+21	3,685425E+21	1,292331E+21	1,155757E+20	0,000000E+00	0,000000E+00	1,156233E+20	1,292571E+21
-1666	3,685749E+21	6,653695E+21	8,931054E+21	8,931139E+21	6,653774E+21	3,685723E+21	1,292461E+21	1,155649E+20	0,000000E+00	0,000000E+00	1,155433E+20	1,292329E+21
-1665	3,685517E+21	6,653757E+21	8,931593E+21	8,931685E+21	6,654044E+21	3,685775E+21	1,292441E+21	1,155763E+20	0,000000E+00	0,000000E+00	1,155630E+20	1,292462E+21
-1664	3,685914E+21	6,654256E+21	8,931879E+21	8,931731E+21	6,653866E+21	3,685564E+21	1,292258E+21	1,155040E+20	0,000000E+00	0,000000E+00	1,155545E+20	1,292447E+21
-1663	3,685767E+21	6,653939E+21	8,931573E+21	8,931851E+21	6,654309E+21	3,685941E+21	1,292496E+21	1,155497E+20	0,000000E+00	0,000000E+00	1,154975E+20	1,292246E+21
-1662	3,685626E+21	6,654214E+21	8,932119E+21	8,932073E+21	6,654220E+21	3,685760E+21	1,292358E+21	1,155417E+20	0,000000E+00	0,000000E+00	1,155604E+20	1,292475E+21
-1661	3,685894E+21	6,654238E+21	8,931846E+21	8,931672E+21	6,653911E+21	3,685657E+21	1,292324E+21	1,155103E+20	0,000000E+00	0,000000E+00	1,155342E+20	1,292360E+21
-1660	3,685573E+21	6,653695E+21	8,931466E+21	8,931710E+21	6,654162E+21	3,685911E+21	1,292554E+21	1,155934E+20	0,000000E+00	0,000000E+00	1,155464E+20	1,292343E+21
-1659	3,685676E+21	6,653993E+21	8,931629E+21	8,931552E+21	6,653762E+21	3,685532E+21	1,292316E+21	1,155571E+20	0,000000E+00	0,000000E+00	1,156188E+20	1,292593E+21
-1658	3,685829E+21	6,653741E+21	8,930926E+21	8,930861E+21	6,653523E+21	3,685616E+21	1,292444E+21	1,155795E+20	0,000000E+00	0,000000E+00	1,155852E+20	1,292417E+21
-1657	3,685467E+21	6,653340E+21	8,930840E+21	8,930879E+21	6,653535E+21	3,685692E+21	1,292577E+21	1,156495E+20	0,000000E+00	0,000000E+00	1,156297E+20	1,292507E+21
-1656	3,685692E+21	6,653581E+21	8,930842E+21	8,930587E+21	6,653027E+21	3,685325E+21	1,292398E+21	1,156186E+20	0,000000E+00	0,000000E+00	1,156746E+20	1,292622E+21
-1655	3,685552E+21	6,653006E+21	8,930059E+21	8,930220E+21	6,653178E+21	3,685621E+21	1,292657E+21	1,156867E+20	0,000000E+00	0,000000E+00	1,156470E+20	1,292430E+21
-1654	3,685237E+21	6,652833E+21	8,930189E+21	8,930256E+21	6,653084E+21	3,685520E+21	1,292602E+21	1,157031E+20	0,000000E+00	0,000000E+00	1,157088E+20	1,292667E+21
-1653	3,685576E+21	6,652936E+21	8,929854E+21	8,929713E+21	6,652617E+21	3,685299E+21	1,292497E+21	1,156678E+20	0,000000E+00	0,000000E+00	1,157067E+20	1,292627E+21
-1652	3,685350E+21	6,652477E+21	8,929448E+21	8,929716E+21	6,652941E+21	3,685630E+21	1,292740E+21	1,157238E+20	0,000000E+00	0,000000E+00	1,156736E+20	1,292495E+21
-1651	3,685357E+21	6,652898E+21	8,930021E+21	8,929941E+21	6,652773E+21	3,685338E+21	1,292513E+21	1,156860E+20	0,000000E+00	0,000000E+00	1,157187E+20	1,292719E+21
-1650	3,685652E+21	6,653037E+21	8,929874E+21	8,929718E+21	6,652704E+21	3,685375E+21	1,292525E+21	1,156533E+20	0,000000E+00	0,000000E+00	1,156618E+20	1,292510E+21
-1649	3,685321E+21	6,652796E+21	8,930143E+21	8,930315E+21	6,653190E+21	3,685614E+21	1,292646E+21	1,156874E+20	0,000000E+00	0,000000E+00	1,156405E+20	1,292489E+21
-1648	3,685568E+21	6,653396E+21	8,930691E+21	8,930580E+21	6,653103E+21	3,685344E+21	1,292383E+21	1,156175E+20	0,000000E+00	0,000000E+00	1,156697E+20	1,292639E+21
-1647	3,685664E+21	6,653303E+21	8,930466E+21	8,930599E+21	6,653451E+21	3,685661E+21	1,292533E+21	1,156115E+20	0,000000E+00	0,000000E+00	1,155862E+20	1,292383E+21
-1646	3,685408E+21	6,653351E+21	8,930991E+21	8,931106E+21	6,653707E+21	3,685723E+21	1,292524E+21	1,156259E+20	0,000000E+00	0,000000E+00	1,156069E+20	1,292514E+21
-1645	3,685799E+21	6,653810E+21	8,931165E+21	8,930992E+21	6,653410E+21	3,685464E+21	1,292338E+21	1,155582E+20	0,000000E+00	0,000000E+00	1,156020E+20	1,292491E+21
-1644	3,685630E+21	6,653514E+21	8,930919E+21	8,931095E+21	6,653787E+21	3,685812E+21	1,292580E+21	1,156091E+20	0,000000E+00	0,000000E+00	1,155548E+20	1,292312E+21
-1643	3,685458E+21	6,653657E+21	8,931365E+21	8,931351E+21	6,653733E+21	3,685616E+21	1,292430E+21	1,156028E+20	0,000000E+00	0,000000E+00	1,156234E+20	1,292562E+21
-1642	3,685779E+21	6,653730E+21	8,931024E+21	8,930849E+21	6,653374E+21	3,685491E+21	1,292375E+21	1,155666E+20	0,000000E+00	0,000000E+00	1,156015E+20	1,292472E+21
-1641	3,685488E+21	6,653210E+21	8,930671E+21	8,930872E+21	6,653594E+21	3,685731E+21	1,292595E+21	1,156455E+20	0,000000E+00	0,000000E+00	1,156056E+20	1,292425E+21
-1640	3,685568E+21	6,653495E+21	8,930819E+21	8,930708E+21	6,653219E+21	3,685396E+21	1,292396E+21	1,156168E+20	0,000000E+00	0,000000E+00	1,156764E+20	1,292662E+21
-1639	3,685708E+21	6,653279E+21	8,930226E+21	8,930132E+21	6,653030E+21	3,685500E+21	1,292546E+21	1,156489E+20	0,000000E+00	0,000000E+00	1,156424E+20	1,292463E+21
-1638	3,685270E+21	6,652783E+21	8,930118E+21	8,930203E+21	6,653095E+21	3,685595E+21	1,292681E+21	1,157193E+20	0,000000E+00	0,000000E+00	1,156906E+20	1,292570E+21
-1637	3,685489E+21	6,652925E+21	8,929922E+21	8,929754E+21	6,652536E+21	3,685210E+21	1,292488E+21	1,156864E+20	0,000000E+00	0,000000E+00	1,157406E+20	1,292702E+21
-1636	3,685386E+21	6,652414E+21	8,929172E+21	8,929310E+21	6,652622E+21	3,685504E+21	1,292743E+21	1,157478E+20	0,000000E+00	0,000000E+00	1,157148E+20	1,292532E+21
-1635	3,685103E+21	6,652235E+21	8,929309E+21	8,929411E+21	6,652546E+21	3,685384E+21	1,292675E+21	1,157600E+20	0,000000E+00	0,000000E+00	1,157705E+20	1,292763E+21
-1634	3,685520E+21	6,652521E+21	8,929069E+21	8,928863E+21	6,652055E+21	3,685135E+21	1,292547E+21	1,157175E+20	0,000000E+00	0,000000E+00	1,157649E+20	1,292716E+21
-1633	3,685288E+21	6,652126E+21	8,928829E+21	8,928979E+21	6,652404E+21	3,685454E+21	1,292777E+21	1,157688E+20	0,000000E+00	0,000000E+00	1,157194E+20	1,292545E+21

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°
-1632	3,685238E+21	6,652494E+21	8,929441E+21	8,929336E+21	6,652346E+21	3,685214E+21	1,292575E+21	1,157364E+20	0,000000E+00	0,000000E+00	1,157661E+20	1,292773E+21
-1631	3,685533E+21	6,652625E+21	8,929332E+21	8,929232E+21	6,652376E+21	3,685284E+21	1,292592E+21	1,157054E+20	0,000000E+00	0,000000E+00	1,157082E+20	1,292564E+21
-1630	3,685184E+21	6,652338E+21	8,929544E+21	8,929797E+21	6,652894E+21	3,685561E+21	1,292716E+21	1,157353E+20	0,000000E+00	0,000000E+00	1,156869E+20	1,292557E+21
-1629	3,685468E+21	6,652930E+21	8,929959E+21	8,929888E+21	6,652710E+21	3,685267E+21	1,292451E+21	1,156651E+20	0,000000E+00	0,000000E+00	1,157151E+20	1,292695E+21
-1628	3,685578E+21	6,652937E+21	8,929833E+21	8,929853E+21	6,652978E+21	3,685568E+21	1,292609E+21	1,156606E+20	0,000000E+00	0,000000E+00	1,156331E+20	1,292433E+21
-1627	3,685278E+21	6,652908E+21	8,930370E+21	8,930459E+21	6,653262E+21	3,685613E+21	1,292601E+21	1,156800E+20	0,000000E+00	0,000000E+00	1,156559E+20	1,292559E+21
-1626	3,685675E+21	6,653399E+21	8,930529E+21	8,930321E+21	6,652931E+21	3,685309E+21	1,292389E+21	1,156097E+20	0,000000E+00	0,000000E+00	1,156589E+20	1,292564E+21
-1625	3,685499E+21	6,653039E+21	8,930229E+21	8,930392E+21	6,653303E+21	3,685645E+21	1,292613E+21	1,156573E+20	0,000000E+00	0,000000E+00	1,156099E+20	1,292385E+21
-1624	3,685323E+21	6,653123E+21	8,930581E+21	8,930602E+21	6,653268E+21	3,685498E+21	1,292493E+21	1,156549E+20	0,000000E+00	0,000000E+00	1,156820E+20	1,292652E+21
-1623	3,685689E+21	6,653245E+21	8,930282E+21	8,930130E+21	6,652903E+21	3,685372E+21	1,292455E+21	1,156261E+20	0,000000E+00	0,000000E+00	1,156585E+20	1,292549E+21
-1622	3,685376E+21	6,652727E+21	8,929931E+21	8,930130E+21	6,653127E+21	3,685630E+21	1,292684E+21	1,157067E+20	0,000000E+00	0,000000E+00	1,156634E+20	1,292494E+21
-1621	3,685430E+21	6,652965E+21	8,929994E+21	8,929846E+21	6,652666E+21	3,685270E+21	1,292493E+21	1,156852E+20	0,000000E+00	0,000000E+00	1,157376E+20	1,292723E+21
-1620	3,685539E+21	6,652748E+21	8,929452E+21	8,929281E+21	6,652453E+21	3,685363E+21	1,292643E+21	1,157195E+20	0,000000E+00	0,000000E+00	1,157130E+20	1,292548E+21
-1619	3,685081E+21	6,652126E+21	8,929232E+21	8,929394E+21	6,652581E+21	3,685463E+21	1,292767E+21	1,157870E+20	0,000000E+00	0,000000E+00	1,157617E+20	1,292667E+21
-1618	3,685366E+21	6,652357E+21	8,928996E+21	8,928841E+21	6,651961E+21	3,685052E+21	1,292549E+21	1,157455E+20	0,000000E+00	0,000000E+00	1,158113E+20	1,292818E+21
-1617	3,685303E+21	6,651913E+21	8,928330E+21	8,928416E+21	6,652021E+21	3,685323E+21	1,292788E+21	1,157984E+20	0,000000E+00	0,000000E+00	1,157714E+20	1,292612E+21
-1616	3,685010E+21	6,651766E+21	8,928530E+21	8,928588E+21	6,652008E+21	3,685250E+21	1,292748E+21	1,158142E+20	0,000000E+00	0,000000E+00	1,158214E+20	1,292822E+21
-1615	3,685409E+21	6,652111E+21	8,928475E+21	8,928238E+21	6,651599E+21	3,685015E+21	1,292630E+21	1,157763E+20	0,000000E+00	0,000000E+00	1,158117E+20	1,292755E+21
-1614	3,685134E+21	6,651682E+21	8,928266E+21	8,928457E+21	6,652045E+21	3,685360E+21	1,292850E+21	1,158227E+20	0,000000E+00	0,000000E+00	1,157672E+20	1,292594E+21
-1613	3,685083E+21	6,651985E+21	8,928721E+21	8,928683E+21	6,651965E+21	3,685131E+21	1,292648E+21	1,157899E+20	0,000000E+00	0,000000E+00	1,158159E+20	1,292832E+21
-1612	3,685410E+21	6,652189E+21	8,928686E+21	8,928557E+21	6,651964E+21	3,685207E+21	1,292662E+21	1,157538E+20	0,000000E+00	0,000000E+00	1,157599E+20	1,292639E+21
-1611	3,685083E+21	6,651877E+21	8,928865E+21	8,929160E+21	6,652495E+21	3,685470E+21	1,292782E+21	1,157828E+20	0,000000E+00	0,000000E+00	1,157343E+20	1,292616E+21
-1610	3,685401E+21	6,652575E+21	8,929301E+21	8,929186E+21	6,652254E+21	3,685145E+21	1,292504E+21	1,157097E+20	0,000000E+00	0,000000E+00	1,157633E+20	1,292754E+21
-1609	3,685484E+21	6,652583E+21	8,929277E+21	8,929207E+21	6,652487E+21	3,685409E+21	1,292649E+21	1,157044E+20	0,000000E+00	0,000000E+00	1,156778E+20	1,292478E+21
-1608	3,685136E+21	6,652442E+21	8,929725E+21	8,929836E+21	6,652833E+21	3,685492E+21	1,292667E+21	1,157317E+20	0,000000E+00	0,000000E+00	1,157084E+20	1,292621E+21
-1607	3,685531E+21	6,652902E+21	8,929871E+21	8,929728E+21	6,652538E+21	3,685205E+21	1,292460E+21	1,156655E+20	0,000000E+00	0,000000E+00	1,157144E+20	1,292643E+21
-1606	3,685378E+21	6,652535E+21	8,929495E+21	8,929709E+21	6,652881E+21	3,685545E+21	1,292679E+21	1,157106E+20	0,000000E+00	0,000000E+00	1,156677E+20	1,292473E+21
-1605	3,685228E+21	6,652611E+21	8,929718E+21	8,929735E+21	6,652733E+21	3,685376E+21	1,292573E+21	1,157133E+20	0,000000E+00	0,000000E+00	1,157391E+20	1,292727E+21
-1604	3,685595E+21	6,652818E+21	8,929540E+21	8,929266E+21	6,652328E+21	3,685241E+21	1,292541E+21	1,156894E+20	0,000000E+00	0,000000E+00	1,157198E+20	1,292619E+21
-1603	3,685229E+21	6,652201E+21	8,929184E+21	8,929370E+21	6,652598E+21	3,685494E+21	1,292775E+21	1,157735E+20	0,000000E+00	0,000000E+00	1,157266E+20	1,292558E+21
-1602	3,685281E+21	6,652442E+21	8,929197E+21	8,929052E+21	6,652126E+21	3,685115E+21	1,292567E+21	1,157492E+20	0,000000E+00	0,000000E+00	1,158069E+20	1,292812E+21
-1601	3,685384E+21	6,652181E+21	8,928630E+21	8,928466E+21	6,651900E+21	3,685197E+21	1,292699E+21	1,157769E+20	0,000000E+00	0,000000E+00	1,157787E+20	1,292638E+21
-1600	3,684937E+21	6,651522E+21	8,928333E+21	8,928549E+21	6,652064E+21	3,685347E+21	1,292847E+21	1,158449E+20	0,000000E+00	0,000000E+00	1,158250E+20	1,292760E+21
-1599	3,685252E+21	6,651831E+21	8,928199E+21	8,928064E+21	6,651456E+21	3,684934E+21	1,292635E+21	1,158066E+20	0,000000E+00	0,000000E+00	1,158677E+20	1,292892E+21
-1598	3,685192E+21	6,651441E+21	8,927588E+21	8,927660E+21	6,651533E+21	3,685210E+21	1,292870E+21	1,158564E+20	0,000000E+00	0,000000E+00	1,158234E+20	1,292669E+21
-1597	3,684875E+21	6,651285E+21	8,927773E+21	8,927795E+21	6,651475E+21	3,685120E+21	1,292839E+21	1,158774E+20	0,000000E+00	0,000000E+00	1,158731E+20	1,292871E+21

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°
-1596	3,685260E+21	6,651652E+21	8,927811E+21	8,927529E+21	6,651114E+21	3,684891E+21	1,292712E+21	1,158382E+20	0,000000E+00	0,000000E+00	1,158696E+20	1,292824E+21
-1595	3,684975E+21	6,651140E+21	8,927546E+21	8,927828E+21	6,651646E+21	3,685256E+21	1,292918E+21	1,158777E+20	0,000000E+00	0,000000E+00	1,158236E+20	1,292675E+21
-1594	3,685000E+21	6,651554E+21	8,927995E+21	8,927968E+21	6,651515E+21	3,685010E+21	1,292696E+21	1,158358E+20	0,000000E+00	0,000000E+00	1,158714E+20	1,292920E+21
-1593	3,685345E+21	6,651810E+21	8,928045E+21	8,927872E+21	6,651486E+21	3,685059E+21	1,292694E+21	1,157916E+20	0,000000E+00	0,000000E+00	1,158036E+20	1,292695E+21
-1592	3,684999E+21	6,651501E+21	8,928243E+21	8,928523E+21	6,652079E+21	3,685371E+21	1,292842E+21	1,158264E+20	0,000000E+00	0,000000E+00	1,157770E+20	1,292656E+21
-1591	3,685273E+21	6,652192E+21	8,928791E+21	8,928678E+21	6,651874E+21	3,685043E+21	1,292575E+21	1,157602E+20	0,000000E+00	0,000000E+00	1,158057E+20	1,292788E+21
-1590	3,685329E+21	6,652138E+21	8,928695E+21	8,928689E+21	6,652138E+21	3,685314E+21	1,292712E+21	1,157534E+20	0,000000E+00	0,000000E+00	1,157264E+20	1,292535E+21
-1589	3,684990E+21	6,651926E+21	8,928948E+21	8,929113E+21	6,652393E+21	3,685393E+21	1,292739E+21	1,157854E+20	0,000000E+00	0,000000E+00	1,157627E+20	1,292697E+21
-1588	3,685421E+21	6,652441E+21	8,929127E+21	8,928950E+21	6,652047E+21	3,685099E+21	1,292534E+21	1,157200E+20	0,000000E+00	0,000000E+00	1,157741E+20	1,292736E+21
-1587	3,685287E+21	6,652052E+21	8,928723E+21	8,928956E+21	6,652392E+21	3,685421E+21	1,292751E+21	1,157664E+20	0,000000E+00	0,000000E+00	1,157262E+20	1,292555E+21
-1586	3,685166E+21	6,652218E+21	8,928967E+21	8,928903E+21	6,652169E+21	3,685222E+21	1,292640E+21	1,157702E+20	0,000000E+00	0,000000E+00	1,157996E+20	1,292802E+21
-1585	3,685479E+21	6,652385E+21	8,928870E+21	8,928516E+21	6,651749E+21	3,685054E+21	1,292602E+21	1,157482E+20	0,000000E+00	0,000000E+00	1,157791E+20	1,292682E+21
-1584	3,685059E+21	6,651640E+21	8,928394E+21	8,928635E+21	6,652107E+21	3,685365E+21	1,292862E+21	1,158386E+20	0,000000E+00	0,000000E+00	1,157926E+20	1,292635E+21
-1583	3,685089E+21	6,651828E+21	8,928387E+21	8,928329E+21	6,651661E+21	3,685008E+21	1,292662E+21	1,158173E+20	0,000000E+00	0,000000E+00	1,158715E+20	1,292898E+21
-1582	3,685232E+21	6,651583E+21	8,927750E+21	8,927657E+21	6,651404E+21	3,685092E+21	1,292789E+21	1,158400E+20	0,000000E+00	0,000000E+00	1,158427E+20	1,292727E+21
-1581	3,684810E+21	6,650938E+21	8,927346E+21	8,927570E+21	6,651463E+21	3,685220E+21	1,292946E+21	1,159110E+20	0,000000E+00	0,000000E+00	1,158836E+20	1,292829E+21
-1580	3,685121E+21	6,651345E+21	8,927387E+21	8,927160E+21	6,650863E+21	3,684800E+21	1,292731E+21	1,158741E+20	0,000000E+00	0,000000E+00	1,159277E+20	1,292958E+21
-1579	3,685037E+21	6,650918E+21	8,926839E+21	8,926915E+21	6,651007E+21	3,685058E+21	1,292949E+21	1,159200E+20	0,000000E+00	0,000000E+00	1,158821E+20	1,292734E+21
-1578	3,684747E+21	6,650806E+21	8,927023E+21	8,927055E+21	6,650968E+21	3,684960E+21	1,292894E+21	1,159337E+20	0,000000E+00	0,000000E+00	1,159343E+20	1,292956E+21
-1577	3,685139E+21	6,651188E+21	8,927132E+21	8,926866E+21	6,650648E+21	3,684733E+21	1,292746E+21	1,158831E+20	0,000000E+00	0,000000E+00	1,159241E+20	1,292906E+21
-1576	3,684877E+21	6,650685E+21	8,926849E+21	8,927185E+21	6,651245E+21	3,685160E+21	1,292973E+21	1,159205E+20	0,000000E+00	0,000000E+00	1,158739E+20	1,292750E+21
-1575	3,684908E+21	6,651167E+21	8,927412E+21	8,927404E+21	6,651149E+21	3,684932E+21	1,292764E+21	1,158814E+20	0,000000E+00	0,000000E+00	1,159127E+20	1,292967E+21
-1574	3,685248E+21	6,651460E+21	8,927493E+21	8,927310E+21	6,651121E+21	3,684979E+21	1,292760E+21	1,158353E+20	0,000000E+00	0,000000E+00	1,158436E+20	1,292729E+21
-1573	3,684865E+21	6,651082E+21	8,927581E+21	8,927855E+21	6,651639E+21	3,685268E+21	1,292922E+21	1,158795E+20	0,000000E+00	0,000000E+00	1,158213E+20	1,292697E+21
-1572	3,685116E+21	6,651742E+21	8,928143E+21	8,928039E+21	6,651461E+21	3,684940E+21	1,292647E+21	1,158157E+20	0,000000E+00	0,000000E+00	1,158597E+20	1,292859E+21
-1571	3,685188E+21	6,651619E+21	8,927956E+21	8,928031E+21	6,651724E+21	3,685200E+21	1,292774E+21	1,158064E+20	0,000000E+00	0,000000E+00	1,157833E+20	1,292629E+21
-1570	3,684932E+21	6,651508E+21	8,928183E+21	8,928322E+21	6,651875E+21	3,685244E+21	1,292791E+21	1,158352E+20	0,000000E+00	0,000000E+00	1,158216E+20	1,292794E+21
-1569	3,685363E+21	6,652066E+21	8,928451E+21	8,928195E+21	6,651497E+21	3,684921E+21	1,292578E+21	1,157675E+20	0,000000E+00	0,000000E+00	1,158256E+20	1,292803E+21
-1568	3,685190E+21	6,651647E+21	8,928056E+21	8,928252E+21	6,651904E+21	3,685295E+21	1,292825E+21	1,158219E+20	0,000000E+00	0,000000E+00	1,157812E+20	1,292609E+21
-1567	3,685002E+21	6,651753E+21	8,928361E+21	8,928303E+21	6,651731E+21	3,685109E+21	1,292730E+21	1,158336E+20	0,000000E+00	0,000000E+00	1,158546E+20	1,292850E+21
-1566	3,685288E+21	6,651824E+21	8,928122E+21	8,927865E+21	6,651339E+21	3,684956E+21	1,292687E+21	1,158111E+20	0,000000E+00	0,000000E+00	1,158415E+20	1,292752E+21
-1565	3,684872E+21	6,651002E+21	8,927428E+21	8,927752E+21	6,651591E+21	3,685265E+21	1,292963E+21	1,159062E+20	0,000000E+00	0,000000E+00	1,158584E+20	1,292725E+21
-1564	3,684933E+21	6,651225E+21	8,927442E+21	8,927400E+21	6,651096E+21	3,684890E+21	1,292760E+21	1,158858E+20	0,000000E+00	0,000000E+00	1,159388E+20	1,292994E+21
-1563	3,685098E+21	6,650986E+21	8,926806E+21	8,926744E+21	6,650825E+21	3,684948E+21	1,292878E+21	1,159065E+20	0,000000E+00	0,000000E+00	1,159076E+20	1,292818E+21
-1562	3,684728E+21	6,650479E+21	8,926498E+21	8,926621E+21	6,650805E+21	3,685027E+21	1,293016E+21	1,159731E+20	0,000000E+00	0,000000E+00	1,159476E+20	1,292914E+21
-1561	3,684998E+21	6,650890E+21	8,926676E+21	8,926367E+21	6,650249E+21	3,684586E+21	1,292783E+21	1,159318E+20	0,000000E+00	0,000000E+00	1,159875E+20	1,293032E+21

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°
-1560	3,684897E+21	6,650415E+21	8,926109E+21	8,926231E+21	6,650549E+21	3,684919E+21	1,293008E+21	1,159747E+20	0,000000E+00	0,000000E+00	1,159438E+20	1,292820E+21
-1559	3,684613E+21	6,650324E+21	8,926366E+21	8,926446E+21	6,650576E+21	3,684860E+21	1,292960E+21	1,159871E+20	0,000000E+00	0,000000E+00	1,159875E+20	1,293034E+21
-1558	3,685041E+21	6,650744E+21	8,926455E+21	8,926250E+21	6,650278E+21	3,684653E+21	1,292810E+21	1,159296E+20	0,000000E+00	0,000000E+00	1,159717E+20	1,292965E+21
-1557	3,684775E+21	6,650259E+21	8,926110E+21	8,926444E+21	6,650801E+21	3,685074E+21	1,293056E+21	1,159714E+20	0,000000E+00	0,000000E+00	1,159161E+20	1,292790E+21
-1556	3,684773E+21	6,650770E+21	8,926791E+21	8,926734E+21	6,650722E+21	3,684846E+21	1,292849E+21	1,159363E+20	0,000000E+00	0,000000E+00	1,159565E+20	1,292999E+21
-1555	3,685077E+21	6,650987E+21	8,926865E+21	8,926727E+21	6,650728E+21	3,684874E+21	1,292833E+21	1,158885E+20	0,000000E+00	0,000000E+00	1,158916E+20	1,292784E+21
-1554	3,684749E+21	6,650651E+21	8,926888E+21	8,927161E+21	6,651184E+21	3,685128E+21	1,292971E+21	1,159283E+20	0,000000E+00	0,000000E+00	1,158762E+20	1,292780E+21
-1553	3,685012E+21	6,651315E+21	8,927485E+21	8,927368E+21	6,650990E+21	3,684782E+21	1,292682E+21	1,158580E+20	0,000000E+00	0,000000E+00	1,159120E+20	1,292947E+21
-1552	3,685116E+21	6,651206E+21	8,927275E+21	8,927368E+21	6,651295E+21	3,685080E+21	1,292822E+21	1,158510E+20	0,000000E+00	0,000000E+00	1,158367E+20	1,292712E+21
-1551	3,684852E+21	6,651139E+21	8,927599E+21	8,927708E+21	6,651458E+21	3,685134E+21	1,292858E+21	1,158863E+20	0,000000E+00	0,000000E+00	1,158691E+20	1,292850E+21
-1550	3,685259E+21	6,651684E+21	8,927860E+21	8,927583E+21	6,651081E+21	3,684819E+21	1,292656E+21	1,158224E+20	0,000000E+00	0,000000E+00	1,158757E+20	1,292846E+21
-1549	3,685020E+21	6,651137E+21	8,927292E+21	8,927497E+21	6,651410E+21	3,685182E+21	1,292927E+21	1,158895E+20	0,000000E+00	0,000000E+00	1,158397E+20	1,292666E+21
-1548	3,684793E+21	6,651148E+21	8,927521E+21	8,927530E+21	6,651267E+21	3,685010E+21	1,292831E+21	1,159047E+20	0,000000E+00	0,000000E+00	1,159215E+20	1,292932E+21
-1547	3,685100E+21	6,651162E+21	8,927168E+21	8,927006E+21	6,650829E+21	3,684839E+21	1,292778E+21	1,158795E+20	0,000000E+00	0,000000E+00	1,159129E+20	1,292864E+21
-1546	3,684782E+21	6,650446E+21	8,926426E+21	8,926713E+21	6,650934E+21	3,685089E+21	1,293035E+21	1,159689E+20	0,000000E+00	0,000000E+00	1,159288E+20	1,292837E+21
-1545	3,684844E+21	6,650730E+21	8,926581E+21	8,926453E+21	6,650425E+21	3,684676E+21	1,292816E+21	1,159435E+20	0,000000E+00	0,000000E+00	1,160002E+20	1,293078E+21
-1544	3,684990E+21	6,650513E+21	8,926033E+21	8,925913E+21	6,650238E+21	3,684770E+21	1,292945E+21	1,159667E+20	0,000000E+00	0,000000E+00	1,159694E+20	1,292889E+21
-1543	3,684573E+21	6,650006E+21	8,925864E+21	8,925963E+21	6,650315E+21	3,684874E+21	1,293088E+21	1,160344E+20	0,000000E+00	0,000000E+00	1,160039E+20	1,292977E+21
-1542	3,684844E+21	6,650389E+21	8,925991E+21	8,925747E+21	6,649855E+21	3,684482E+21	1,292853E+21	1,159882E+20	0,000000E+00	0,000000E+00	1,160447E+20	1,293099E+21
-1541	3,684741E+21	6,649879E+21	8,925302E+21	8,925476E+21	6,650110E+21	3,684837E+21	1,293094E+21	1,160316E+20	0,000000E+00	0,000000E+00	1,159990E+20	1,292895E+21
-1540	3,684484E+21	6,649832E+21	8,925610E+21	8,925727E+21	6,650167E+21	3,684791E+21	1,293048E+21	1,160438E+20	0,000000E+00	0,000000E+00	1,160382E+20	1,293094E+21
-1539	3,684918E+21	6,650267E+21	8,925716E+21	8,925551E+21	6,649868E+21	3,684570E+21	1,292891E+21	1,159831E+20	0,000000E+00	0,000000E+00	1,160200E+20	1,293022E+21
-1538	3,684690E+21	6,649883E+21	8,925428E+21	8,925673E+21	6,650283E+21	3,684931E+21	1,293118E+21	1,160220E+20	0,000000E+00	0,000000E+00	1,159652E+20	1,292849E+21
-1537	3,684644E+21	6,650348E+21	8,926194E+21	8,926096E+21	6,650231E+21	3,684667E+21	1,292891E+21	1,159831E+20	0,000000E+00	0,000000E+00	1,160052E+20	1,293059E+21
-1536	3,684945E+21	6,650525E+21	8,926216E+21	8,926128E+21	6,650334E+21	3,684748E+21	1,292878E+21	1,159342E+20	0,000000E+00	0,000000E+00	1,159463E+20	1,292870E+21
-1535	3,684649E+21	6,650246E+21	8,926309E+21	8,926576E+21	6,650795E+21	3,685014E+21	1,293019E+21	1,159738E+20	0,000000E+00	0,000000E+00	1,159262E+20	1,292865E+21
-1534	3,684954E+21	6,650940E+21	8,926866E+21	8,926749E+21	6,650608E+21	3,684689E+21	1,292739E+21	1,159022E+20	0,000000E+00	0,000000E+00	1,159583E+20	1,293006E+21
-1533	3,685030E+21	6,650821E+21	8,926595E+21	8,926638E+21	6,650839E+21	3,684980E+21	1,292902E+21	1,159048E+20	0,000000E+00	0,000000E+00	1,158836E+20	1,292760E+21
-1532	3,684719E+21	6,650718E+21	8,926953E+21	8,927033E+21	6,651024E+21	3,685037E+21	1,292948E+21	1,159483E+20	0,000000E+00	0,000000E+00	1,159198E+20	1,292885E+21
-1531	3,685062E+21	6,651123E+21	8,927117E+21	8,926918E+21	6,650664E+21	3,684715E+21	1,292745E+21	1,158870E+20	0,000000E+00	0,000000E+00	1,159352E+20	1,292915E+21
-1530	3,684870E+21	6,650583E+21	8,926434E+21	8,926643E+21	6,650872E+21	3,685035E+21	1,292998E+21	1,159513E+20	0,000000E+00	0,000000E+00	1,159091E+20	1,292771E+21
-1529	3,684653E+21	6,650565E+21	8,926652E+21	8,926654E+21	6,650675E+21	3,684834E+21	1,292891E+21	1,159608E+20	0,000000E+00	0,000000E+00	1,159874E+20	1,293036E+21
-1528	3,684992E+21	6,650615E+21	8,926277E+21	8,926120E+21	6,650267E+21	3,684689E+21	1,292847E+21	1,159373E+20	0,000000E+00	0,000000E+00	1,159802E+20	1,292968E+21
-1527	3,684687E+21	6,649997E+21	8,925683E+21	8,925871E+21	6,650358E+21	3,684928E+21	1,293108E+21	1,160292E+20	0,000000E+00	0,000000E+00	1,159870E+20	1,292912E+21
-1526	3,684734E+21	6,650279E+21	8,925873E+21	8,925681E+21	6,649888E+21	3,684529E+21	1,292895E+21	1,160058E+20	0,000000E+00	0,000000E+00	1,160569E+20	1,293130E+21
-1525	3,684815E+21	6,649970E+21	8,925243E+21	8,925121E+21	6,649707E+21	3,684630E+21	1,293039E+21	1,160362E+20	0,000000E+00	0,000000E+00	1,160312E+20	1,292957E+21

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°
-1524	3,684387E+21	6,649416E+21	8,925047E+21	8,925228E+21	6,649879E+21	3,684773E+21	1,293180E+21	1,161033E+20	0,000000E+00	0,000000E+00	1,160667E+20	1,293053E+21
-1523	3,684675E+21	6,649778E+21	8,925126E+21	8,924988E+21	6,649430E+21	3,684403E+21	1,292946E+21	1,160526E+20	0,000000E+00	0,000000E+00	1,161071E+20	1,293191E+21
-1522	3,684655E+21	6,649393E+21	8,924458E+21	8,924590E+21	6,649562E+21	3,684705E+21	1,293166E+21	1,160868E+20	0,000000E+00	0,000000E+00	1,160574E+20	1,292980E+21
-1521	3,684386E+21	6,649392E+21	8,924907E+21	8,924953E+21	6,649622E+21	3,684630E+21	1,293105E+21	1,160925E+20	0,000000E+00	0,000000E+00	1,160867E+20	1,293146E+21
-1520	3,684794E+21	6,649840E+21	8,925078E+21	8,924888E+21	6,649412E+21	3,684439E+21	1,292948E+21	1,160312E+20	0,000000E+00	0,000000E+00	1,160705E+20	1,293077E+21
-1519	3,684549E+21	6,649476E+21	8,924894E+21	8,925111E+21	6,649879E+21	3,684800E+21	1,293166E+21	1,160685E+20	0,000000E+00	0,000000E+00	1,160115E+20	1,292910E+21
-1518	3,684535E+21	6,649928E+21	8,925603E+21	8,925546E+21	6,649891E+21	3,684574E+21	1,292937E+21	1,160258E+20	0,000000E+00	0,000000E+00	1,160522E+20	1,293123E+21
-1517	3,684842E+21	6,650084E+21	8,925532E+21	8,925453E+21	6,649924E+21	3,684656E+21	1,292943E+21	1,159815E+20	0,000000E+00	0,000000E+00	1,159940E+20	1,292945E+21
-1516	3,684567E+21	6,649839E+21	8,925655E+21	8,925941E+21	6,650419E+21	3,684934E+21	1,293091E+21	1,160249E+20	0,000000E+00	0,000000E+00	1,159722E+20	1,292919E+21
-1515	3,684854E+21	6,650532E+21	8,926220E+21	8,926098E+21	6,650214E+21	3,684609E+21	1,292820E+21	1,159564E+20	0,000000E+00	0,000000E+00	1,160065E+20	1,293060E+21
-1514	3,684935E+21	6,650433E+21	8,925937E+21	8,925870E+21	6,650310E+21	3,684836E+21	1,292971E+21	1,159609E+20	0,000000E+00	0,000000E+00	1,159394E+20	1,292824E+21
-1513	3,684568E+21	6,650219E+21	8,926274E+21	8,926341E+21	6,650515E+21	3,684869E+21	1,293006E+21	1,160029E+20	0,000000E+00	0,000000E+00	1,159786E+20	1,292954E+21
-1512	3,684899E+21	6,650556E+21	8,926315E+21	8,926178E+21	6,650202E+21	3,684589E+21	1,292808E+21	1,159438E+20	0,000000E+00	0,000000E+00	1,160021E+20	1,293015E+21
-1511	3,684743E+21	6,650067E+21	8,925666E+21	8,925836E+21	6,650350E+21	3,684897E+21	1,293066E+21	1,160091E+20	0,000000E+00	0,000000E+00	1,159719E+20	1,292872E+21
-1510	3,684573E+21	6,650071E+21	8,925842E+21	8,925820E+21	6,650146E+21	3,684703E+21	1,292965E+21	1,160180E+20	0,000000E+00	0,000000E+00	1,160448E+20	1,293102E+21
-1509	3,684865E+21	6,650106E+21	8,925438E+21	8,925213E+21	6,649672E+21	3,684547E+21	1,292943E+21	1,160049E+20	0,000000E+00	0,000000E+00	1,160391E+20	1,293030E+21
-1508	3,684527E+21	6,649468E+21	8,924909E+21	8,925087E+21	6,649835E+21	3,684791E+21	1,293203E+21	1,161007E+20	0,000000E+00	0,000000E+00	1,160472E+20	1,292963E+21
-1507	3,684533E+21	6,649665E+21	8,925049E+21	8,924931E+21	6,649422E+21	3,684417E+21	1,292993E+21	1,160774E+20	0,000000E+00	0,000000E+00	1,161231E+20	1,293212E+21
-1506	3,684669E+21	6,649395E+21	8,924367E+21	8,924243E+21	6,649155E+21	3,684487E+21	1,293114E+21	1,161004E+20	0,000000E+00	0,000000E+00	1,161023E+20	1,293065E+21
-1505	3,684262E+21	6,648854E+21	8,924216E+21	8,924408E+21	6,649328E+21	3,684617E+21	1,293241E+21	1,161574E+20	0,000000E+00	0,000000E+00	1,161292E+20	1,293145E+21
-1504	3,684572E+21	6,649270E+21	8,924317E+21	8,924202E+21	6,648948E+21	3,684287E+21	1,293013E+21	1,161050E+20	0,000000E+00	0,000000E+00	1,161668E+20	1,293275E+21
-1503	3,684562E+21	6,649007E+21	8,923838E+21	8,923863E+21	6,649065E+21	3,684575E+21	1,293229E+21	1,161366E+20	0,000000E+00	0,000000E+00	1,161064E+20	1,293043E+21
-1502	3,684287E+21	6,648987E+21	8,924301E+21	8,924309E+21	6,649173E+21	3,684509E+21	1,293167E+21	1,161416E+20	0,000000E+00	0,000000E+00	1,161311E+20	1,293179E+21
-1501	3,684629E+21	6,649353E+21	8,924401E+21	8,924232E+21	6,648983E+21	3,684326E+21	1,293020E+21	1,160851E+20	0,000000E+00	0,000000E+00	1,161204E+20	1,293140E+21
-1500	3,684417E+21	6,648998E+21	8,924208E+21	8,924494E+21	6,649512E+21	3,684704E+21	1,293229E+21	1,161212E+20	0,000000E+00	0,000000E+00	1,160613E+20	1,292977E+21
-1499	3,684428E+21	6,649455E+21	8,924884E+21	8,924886E+21	6,649515E+21	3,684502E+21	1,293012E+21	1,160775E+20	0,000000E+00	0,000000E+00	1,161026E+20	1,293203E+21
-1498	3,684798E+21	6,649720E+21	8,924857E+21	8,924697E+21	6,649426E+21	3,684523E+21	1,292999E+21	1,160291E+20	0,000000E+00	0,000000E+00	1,160440E+20	1,293015E+21
-1497	3,684492E+21	6,649482E+21	8,925082E+21	8,925275E+21	6,649915E+21	3,684780E+21	1,293142E+21	1,160707E+20	0,000000E+00	0,000000E+00	1,160181E+20	1,292959E+21
-1496	3,684718E+21	6,650110E+21	8,925628E+21	8,925499E+21	6,649797E+21	3,684495E+21	1,292884E+21	1,160072E+20	0,000000E+00	0,000000E+00	1,160589E+20	1,293108E+21
-1495	3,684771E+21	6,649990E+21	8,925362E+21	8,925269E+21	6,649889E+21	3,684713E+21	1,293031E+21	1,160135E+20	0,000000E+00	0,000000E+00	1,159946E+20	1,292896E+21
-1494	3,684434E+21	6,649697E+21	8,925539E+21	8,925660E+21	6,650100E+21	3,684773E+21	1,293072E+21	1,160551E+20	0,000000E+00	0,000000E+00	1,160353E+20	1,293021E+21
-1493	3,684746E+21	6,649981E+21	8,925456E+21	8,925349E+21	6,649699E+21	3,684485E+21	1,292897E+21	1,160044E+20	0,000000E+00	0,000000E+00	1,160630E+20	1,293105E+21
-1492	3,684632E+21	6,649531E+21	8,924806E+21	8,925004E+21	6,649840E+21	3,684777E+21	1,293156E+21	1,160749E+20	0,000000E+00	0,000000E+00	1,160315E+20	1,292942E+21
-1491	3,684444E+21	6,649542E+21	8,924998E+21	8,924958E+21	6,649602E+21	3,684586E+21	1,293069E+21	1,160879E+20	0,000000E+00	0,000000E+00	1,161068E+20	1,293177E+21
-1490	3,684738E+21	6,649591E+21	8,924615E+21	8,924296E+21	6,649019E+21	3,684359E+21	1,293026E+21	1,160756E+20	0,000000E+00	0,000000E+00	1,161087E+20	1,293117E+21
-1489	3,684364E+21	6,648887E+21	8,924101E+21	8,924277E+21	6,649241E+21	3,684599E+21	1,293267E+21	1,161639E+20	0,000000E+00	0,000000E+00	1,161177E+20	1,293057E+21

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°
-1488	3,684379E+21	6,649064E+21	8,924174E+21	8,924119E+21	6,648922E+21	3,684291E+21	1,293064E+21	1,161392E+20	0,000000E+00	0,000000E+00	1,161962E+20	1,293323E+21
-1487	3,684557E+21	6,648893E+21	8,923591E+21	8,923427E+21	6,648628E+21	3,684356E+21	1,293182E+21	1,161569E+20	0,000000E+00	0,000000E+00	1,161658E+20	1,293166E+21
-1486	3,684197E+21	6,648398E+21	8,923454E+21	8,923636E+21	6,648838E+21	3,684502E+21	1,293310E+21	1,162092E+20	0,000000E+00	0,000000E+00	1,161799E+20	1,293193E+21
-1485	3,684434E+21	6,648800E+21	8,923574E+21	8,923415E+21	6,648433E+21	3,684171E+21	1,293102E+21	1,161640E+20	0,000000E+00	0,000000E+00	1,162153E+20	1,293317E+21
-1484	3,684399E+21	6,648511E+21	8,923153E+21	8,923217E+21	6,648634E+21	3,684461E+21	1,293311E+21	1,161959E+20	0,000000E+00	0,000000E+00	1,161532E+20	1,293077E+21
-1483	3,684111E+21	6,648461E+21	8,923588E+21	8,923679E+21	6,648790E+21	3,684425E+21	1,293248E+21	1,161986E+20	0,000000E+00	0,000000E+00	1,161829E+20	1,293248E+21
-1482	3,684515E+21	6,648884E+21	8,923666E+21	8,923486E+21	6,648501E+21	3,684198E+21	1,293077E+21	1,161348E+20	0,000000E+00	0,000000E+00	1,161760E+20	1,293231E+21
-1481	3,684342E+21	6,648581E+21	8,923560E+21	8,923832E+21	6,649040E+21	3,684560E+21	1,293267E+21	1,161614E+20	0,000000E+00	0,000000E+00	1,161111E+20	1,293056E+21
-1480	3,684373E+21	6,649096E+21	8,924260E+21	8,924255E+21	6,649111E+21	3,684399E+21	1,293064E+21	1,161205E+20	0,000000E+00	0,000000E+00	1,161518E+20	1,293266E+21
-1479	3,684721E+21	6,649439E+21	8,924389E+21	8,924110E+21	6,648990E+21	3,684401E+21	1,293051E+21	1,160735E+20	0,000000E+00	0,000000E+00	1,160882E+20	1,293067E+21
-1478	3,684392E+21	6,649113E+21	8,924555E+21	8,924734E+21	6,649520E+21	3,684667E+21	1,293200E+21	1,161187E+20	0,000000E+00	0,000000E+00	1,160631E+20	1,292984E+21
-1477	3,684520E+21	6,649578E+21	8,924927E+21	8,924862E+21	6,649391E+21	3,684400E+21	1,292966E+21	1,160649E+20	0,000000E+00	0,000000E+00	1,161133E+20	1,293173E+21
-1476	3,684608E+21	6,649418E+21	8,924557E+21	8,924580E+21	6,649484E+21	3,684625E+21	1,293115E+21	1,160748E+20	0,000000E+00	0,000000E+00	1,160537E+20	1,292977E+21
-1475	3,684307E+21	6,649131E+21	8,924648E+21	8,924833E+21	6,649622E+21	3,684690E+21	1,293170E+21	1,161181E+20	0,000000E+00	0,000000E+00	1,160977E+20	1,293116E+21
-1474	3,684664E+21	6,649491E+21	8,924577E+21	8,924387E+21	6,649062E+21	3,684319E+21	1,292976E+21	1,160673E+20	0,000000E+00	0,000000E+00	1,161277E+20	1,293199E+21
-1473	3,684533E+21	6,649059E+21	8,924037E+21	8,924141E+21	6,649186E+21	3,684572E+21	1,293216E+21	1,161342E+20	0,000000E+00	0,000000E+00	1,160950E+20	1,293015E+21
-1472	3,684299E+21	6,649019E+21	8,924219E+21	8,924178E+21	6,649051E+21	3,684421E+21	1,293140E+21	1,161512E+20	0,000000E+00	0,000000E+00	1,161751E+20	1,293258E+21
-1471	3,684583E+21	6,649091E+21	8,923902E+21	8,923551E+21	6,648494E+21	3,684199E+21	1,293089E+21	1,161370E+20	0,000000E+00	0,000000E+00	1,161773E+20	1,293219E+21
-1470	3,684248E+21	6,648349E+21	8,923294E+21	8,923505E+21	6,648752E+21	3,684480E+21	1,293336E+21	1,162210E+20	0,000000E+00	0,000000E+00	1,161798E+20	1,293130E+21
-1469	3,684219E+21	6,648481E+21	8,923300E+21	8,923284E+21	6,648418E+21	3,684198E+21	1,293165E+21	1,162029E+20	0,000000E+00	0,000000E+00	1,162561E+20	1,293404E+21
-1468	3,684435E+21	6,648363E+21	8,922757E+21	8,922646E+21	6,648155E+21	3,684258E+21	1,293280E+21	1,162214E+20	0,000000E+00	0,000000E+00	1,162203E+20	1,293219E+21
-1467	3,684053E+21	6,647883E+21	8,922643E+21	8,922836E+21	6,648345E+21	3,684412E+21	1,293416E+21	1,162744E+20	0,000000E+00	0,000000E+00	1,162330E+20	1,293246E+21
-1466	3,684276E+21	6,648288E+21	8,922801E+21	8,922604E+21	6,647862E+21	3,684006E+21	1,293178E+21	1,162261E+20	0,000000E+00	0,000000E+00	1,162733E+20	1,293388E+21
-1465	3,684248E+21	6,647989E+21	8,922425E+21	8,922507E+21	6,648109E+21	3,684282E+21	1,293355E+21	1,162467E+20	0,000000E+00	0,000000E+00	1,162109E+20	1,293159E+21
-1464	3,683997E+21	6,647977E+21	8,922846E+21	8,922983E+21	6,648351E+21	3,684306E+21	1,293300E+21	1,162475E+20	0,000000E+00	0,000000E+00	1,162413E+20	1,293341E+21
-1463	3,684452E+21	6,648544E+21	8,923079E+21	8,922834E+21	6,648051E+21	3,684069E+21	1,293121E+21	1,161778E+20	0,000000E+00	0,000000E+00	1,162255E+20	1,293315E+21
-1462	3,684310E+21	6,648279E+21	8,923009E+21	8,923239E+21	6,648635E+21	3,684449E+21	1,293312E+21	1,162015E+20	0,000000E+00	0,000000E+00	1,161507E+20	1,293084E+21
-1461	3,684241E+21	6,648718E+21	8,923695E+21	8,923666E+21	6,648717E+21	3,684314E+21	1,293143E+21	1,161714E+20	0,000000E+00	0,000000E+00	1,161936E+20	1,293295E+21
-1460	3,684559E+21	6,648979E+21	8,923790E+21	8,923609E+21	6,648658E+21	3,684315E+21	1,293128E+21	1,161284E+20	0,000000E+00	0,000000E+00	1,161339E+20	1,293101E+21
-1459	3,684217E+21	6,648585E+21	8,923813E+21	8,924112E+21	6,649172E+21	3,684609E+21	1,293289E+21	1,161763E+20	0,000000E+00	0,000000E+00	1,161188E+20	1,293060E+21
-1458	3,684376E+21	6,649035E+21	8,924097E+21	8,924052E+21	6,648876E+21	3,684273E+21	1,293037E+21	1,161207E+20	0,000000E+00	0,000000E+00	1,161752E+20	1,293274E+21
-1457	3,684513E+21	6,648916E+21	8,923753E+21	8,923766E+21	6,648911E+21	3,684458E+21	1,293170E+21	1,161260E+20	0,000000E+00	0,000000E+00	1,161157E+20	1,293076E+21
-1456	3,684237E+21	6,648691E+21	8,923848E+21	8,923993E+21	6,649068E+21	3,684544E+21	1,293238E+21	1,161742E+20	0,000000E+00	0,000000E+00	1,161607E+20	1,293202E+21
-1455	3,684573E+21	6,649123E+21	8,923920E+21	8,923586E+21	6,648471E+21	3,684143E+21	1,293041E+21	1,161260E+20	0,000000E+00	0,000000E+00	1,161879E+20	1,293279E+21
-1454	3,684422E+21	6,648607E+21	8,923351E+21	8,923433E+21	6,648664E+21	3,684404E+21	1,293276E+21	1,161933E+20	0,000000E+00	0,000000E+00	1,161548E+20	1,293070E+21
-1453	3,684103E+21	6,648425E+21	8,923389E+21	8,923413E+21	6,648560E+21	3,684299E+21	1,293231E+21	1,162190E+20	0,000000E+00	0,000000E+00	1,162401E+20	1,293342E+21

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°
-1452	3,684414E+21	6,648458E+21	8,923002E+21	8,922789E+21	6,648041E+21	3,684101E+21	1,293188E+21	1,162075E+20	0,000000E+00	0,000000E+00	1,162422E+20	1,293300E+21
-1451	3,684106E+21	6,647760E+21	8,922365E+21	8,922647E+21	6,648260E+21	3,684404E+21	1,293451E+21	1,162899E+20	0,000000E+00	0,000000E+00	1,162436E+20	1,293215E+21
-1450	3,684083E+21	6,647936E+21	8,922401E+21	8,922330E+21	6,647790E+21	3,684048E+21	1,293261E+21	1,162705E+20	0,000000E+00	0,000000E+00	1,163167E+20	1,293473E+21
-1449	3,684286E+21	6,647843E+21	8,921971E+21	8,921812E+21	6,647540E+21	3,684078E+21	1,293351E+21	1,162807E+20	0,000000E+00	0,000000E+00	1,162797E+20	1,293282E+21
-1448	3,683893E+21	6,647357E+21	8,921859E+21	8,922077E+21	6,647832E+21	3,684259E+21	1,293481E+21	1,163320E+20	0,000000E+00	0,000000E+00	1,162941E+20	1,293322E+21
-1447	3,684136E+21	6,647836E+21	8,922117E+21	8,921897E+21	6,647379E+21	3,683853E+21	1,293222E+21	1,162760E+20	0,000000E+00	0,000000E+00	1,163318E+20	1,293487E+21
-1446	3,684175E+21	6,647573E+21	8,921763E+21	8,921864E+21	6,647681E+21	3,684150E+21	1,293389E+21	1,162876E+20	0,000000E+00	0,000000E+00	1,162603E+20	1,293229E+21
-1445	3,683900E+21	6,647561E+21	8,922183E+21	8,922337E+21	6,647946E+21	3,684212E+21	1,293368E+21	1,162949E+20	0,000000E+00	0,000000E+00	1,162875E+20	1,293409E+21
-1444	3,684375E+21	6,648168E+21	8,922479E+21	8,922285E+21	6,647710E+21	3,683993E+21	1,293197E+21	1,162285E+20	0,000000E+00	0,000000E+00	1,162662E+20	1,293349E+21
-1443	3,684194E+21	6,647909E+21	8,922424E+21	8,922657E+21	6,648269E+21	3,684389E+21	1,293405E+21	1,162557E+20	0,000000E+00	0,000000E+00	1,161954E+20	1,293125E+21
-1442	3,684075E+21	6,648253E+21	8,923039E+21	8,923007E+21	6,648260E+21	3,684188E+21	1,293216E+21	1,162270E+20	0,000000E+00	0,000000E+00	1,162456E+20	1,293354E+21
-1441	3,684401E+21	6,648467E+21	8,923072E+21	8,922935E+21	6,648196E+21	3,684173E+21	1,293178E+21	1,161772E+20	0,000000E+00	0,000000E+00	1,161927E+20	1,293190E+21
-1440	3,684108E+21	6,648085E+21	8,922990E+21	8,923338E+21	6,648706E+21	3,684494E+21	1,293351E+21	1,162277E+20	0,000000E+00	0,000000E+00	1,161812E+20	1,293162E+21
-1439	3,684310E+21	6,648653E+21	8,923389E+21	8,923266E+21	6,648343E+21	3,684120E+21	1,293091E+21	1,161703E+20	0,000000E+00	0,000000E+00	1,162324E+20	1,293372E+21
-1438	3,684471E+21	6,648558E+21	8,923084E+21	8,923011E+21	6,648371E+21	3,684289E+21	1,293220E+21	1,161770E+20	0,000000E+00	0,000000E+00	1,161658E+20	1,293120E+21
-1437	3,684081E+21	6,648229E+21	8,923159E+21	8,923260E+21	6,648549E+21	3,684404E+21	1,293326E+21	1,162375E+20	0,000000E+00	0,000000E+00	1,162148E+20	1,293252E+21
-1436	3,684389E+21	6,648571E+21	8,923186E+21	8,922952E+21	6,648043E+21	3,684024E+21	1,293133E+21	1,161954E+20	0,000000E+00	0,000000E+00	1,162465E+20	1,293332E+21
-1435	3,684227E+21	6,648006E+21	8,922488E+21	8,922668E+21	6,648225E+21	3,684329E+21	1,293384E+21	1,162636E+20	0,000000E+00	0,000000E+00	1,162226E+20	1,293159E+21
-1434	3,683925E+21	6,647784E+21	8,922438E+21	8,922500E+21	6,647993E+21	3,684173E+21	1,293328E+21	1,162878E+20	0,000000E+00	0,000000E+00	1,163092E+20	1,293442E+21
-1433	3,684282E+21	6,647869E+21	8,922076E+21	8,921881E+21	6,647443E+21	3,683946E+21	1,293268E+21	1,162703E+20	0,000000E+00	0,000000E+00	1,163115E+20	1,293397E+21
-1432	3,683993E+21	6,647237E+21	8,921453E+21	8,921715E+21	6,647675E+21	3,684263E+21	1,293537E+21	1,163536E+20	0,000000E+00	0,000000E+00	1,163098E+20	1,293298E+21
-1431	3,683952E+21	6,647485E+21	8,921665E+21	8,921486E+21	6,647176E+21	3,683863E+21	1,293328E+21	1,163312E+20	0,000000E+00	0,000000E+00	1,163779E+20	1,293555E+21
-1430	3,684158E+21	6,647353E+21	8,921244E+21	8,921078E+21	6,647007E+21	3,683892E+21	1,293396E+21	1,163348E+20	0,000000E+00	0,000000E+00	1,163368E+20	1,293346E+21
-1429	3,683725E+21	6,646813E+21	8,921081E+21	8,921344E+21	6,647366E+21	3,684131E+21	1,293549E+21	1,163884E+20	0,000000E+00	0,000000E+00	1,163517E+20	1,293412E+21
-1428	3,684029E+21	6,647333E+21	8,921369E+21	8,921247E+21	6,646995E+21	3,683764E+21	1,293297E+21	1,163317E+20	0,000000E+00	0,000000E+00	1,163835E+20	1,293560E+21
-1427	3,684100E+21	6,647175E+21	8,921076E+21	8,921193E+21	6,647295E+21	3,684088E+21	1,293474E+21	1,163400E+20	0,000000E+00	0,000000E+00	1,163089E+20	1,293295E+21
-1426	3,683806E+21	6,647178E+21	8,921541E+21	8,921629E+21	6,647470E+21	3,684093E+21	1,293442E+21	1,163477E+20	0,000000E+00	0,000000E+00	1,163321E+20	1,293452E+21
-1425	3,684245E+21	6,647759E+21	8,921904E+21	8,921687E+21	6,647268E+21	3,683860E+21	1,293255E+21	1,162762E+20	0,000000E+00	0,000000E+00	1,163136E+20	1,293391E+21
-1424	3,684044E+21	6,647463E+21	8,921776E+21	8,922049E+21	6,647881E+21	3,684282E+21	1,293465E+21	1,163051E+20	0,000000E+00	0,000000E+00	1,162490E+20	1,293191E+21
-1423	3,683937E+21	6,647823E+21	8,922392E+21	8,922348E+21	6,647831E+21	3,684065E+21	1,293264E+21	1,162725E+20	0,000000E+00	0,000000E+00	1,162991E+20	1,293441E+21
-1422	3,684315E+21	6,648040E+21	8,922396E+21	8,922264E+21	6,647760E+21	3,684043E+21	1,293217E+21	1,162190E+20	0,000000E+00	0,000000E+00	1,162421E+20	1,293260E+21
-1421	3,684011E+21	6,647654E+21	8,922275E+21	8,922602E+21	6,648240E+21	3,684377E+21	1,293421E+21	1,162795E+20	0,000000E+00	0,000000E+00	1,162320E+20	1,293235E+21
-1420	3,684218E+21	6,648219E+21	8,922696E+21	8,922589E+21	6,647907E+21	3,684013E+21	1,293178E+21	1,162306E+20	0,000000E+00	0,000000E+00	1,162808E+20	1,293417E+21
-1419	3,684334E+21	6,648115E+21	8,922406E+21	8,922314E+21	6,647910E+21	3,684183E+21	1,293317E+21	1,162429E+20	0,000000E+00	0,000000E+00	1,162236E+20	1,293181E+21
-1418	3,683892E+21	6,647657E+21	8,922363E+21	8,922472E+21	6,648006E+21	3,684243E+21	1,293410E+21	1,163062E+20	0,000000E+00	0,000000E+00	1,162798E+20	1,293330E+21
-1417	3,684210E+21	6,647946E+21	8,922305E+21	8,922129E+21	6,647510E+21	3,683878E+21	1,293207E+21	1,162598E+20	0,000000E+00	0,000000E+00	1,163194E+20	1,293437E+21

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°
-1416	3,684092E+21	6,647413E+21	8,921531E+21	8,921742E+21	6,647672E+21	3,684206E+21	1,293471E+21	1,163293E+20	0,000000E+00	0,000000E+00	1,162979E+20	1,293274E+21
-1415	3,683825E+21	6,647288E+21	8,921574E+21	8,921565E+21	6,647378E+21	3,684009E+21	1,293402E+21	1,163491E+20	0,000000E+00	0,000000E+00	1,163758E+20	1,293542E+21
-1414	3,684191E+21	6,647402E+21	8,921280E+21	8,921014E+21	6,646848E+21	3,683767E+21	1,293328E+21	1,163286E+20	0,000000E+00	0,000000E+00	1,163701E+20	1,293454E+21
-1413	3,683821E+21	6,646704E+21	8,920662E+21	8,920893E+21	6,647114E+21	3,684107E+21	1,293619E+21	1,164171E+20	0,000000E+00	0,000000E+00	1,163683E+20	1,293366E+21
-1412	3,683781E+21	6,646900E+21	8,920878E+21	8,920798E+21	6,646732E+21	3,683738E+21	1,293410E+21	1,163962E+20	0,000000E+00	0,000000E+00	1,164343E+20	1,293618E+21
-1411	3,684005E+21	6,646816E+21	8,920457E+21	8,920345E+21	6,646575E+21	3,683805E+21	1,293482E+21	1,163950E+20	0,000000E+00	0,000000E+00	1,163969E+20	1,293435E+21
-1410	3,683597E+21	6,646292E+21	8,920295E+21	8,920555E+21	6,646855E+21	3,684001E+21	1,293623E+21	1,164449E+20	0,000000E+00	0,000000E+00	1,164071E+20	1,293497E+21
-1409	3,683949E+21	6,646900E+21	8,920660E+21	8,920521E+21	6,646527E+21	3,683647E+21	1,293362E+21	1,163822E+20	0,000000E+00	0,000000E+00	1,164371E+20	1,293629E+21
-1408	3,684016E+21	6,646803E+21	8,920423E+21	8,920486E+21	6,646854E+21	3,683989E+21	1,293547E+21	1,163911E+20	0,000000E+00	0,000000E+00	1,163592E+20	1,293350E+21
-1407	3,683692E+21	6,646833E+21	8,921009E+21	8,921015E+21	6,647016E+21	3,683955E+21	1,293497E+21	1,163963E+20	0,000000E+00	0,000000E+00	1,163792E+20	1,293504E+21
-1406	3,684114E+21	6,647332E+21	8,921316E+21	8,921120E+21	6,646869E+21	3,683716E+21	1,293289E+21	1,163200E+20	0,000000E+00	0,000000E+00	1,163599E+20	1,293435E+21
-1405	3,683876E+21	6,646953E+21	8,921065E+21	8,921383E+21	6,647486E+21	3,684185E+21	1,293528E+21	1,163545E+20	0,000000E+00	0,000000E+00	1,163001E+20	1,293271E+21
-1404	3,683830E+21	6,647318E+21	8,921669E+21	8,921714E+21	6,647458E+21	3,683983E+21	1,293338E+21	1,163254E+20	0,000000E+00	0,000000E+00	1,163470E+20	1,293505E+21
-1403	3,684231E+21	6,647631E+21	8,921697E+21	8,921544E+21	6,647327E+21	3,683961E+21	1,293303E+21	1,162744E+20	0,000000E+00	0,000000E+00	1,162933E+20	1,293327E+21
-1402	3,683896E+21	6,647217E+21	8,921579E+21	8,921819E+21	6,647695E+21	3,684225E+21	1,293496E+21	1,163389E+20	0,000000E+00	0,000000E+00	1,162847E+20	1,293291E+21
-1401	3,684079E+21	6,647739E+21	8,922009E+21	8,921866E+21	6,647393E+21	3,683862E+21	1,293247E+21	1,162896E+20	0,000000E+00	0,000000E+00	1,163413E+20	1,293481E+21
-1400	3,684175E+21	6,647581E+21	8,921621E+21	8,921555E+21	6,647429E+21	3,684052E+21	1,293388E+21	1,163047E+20	0,000000E+00	0,000000E+00	1,162929E+20	1,293275E+21
-1399	3,683755E+21	6,647140E+21	8,921566E+21	8,921660E+21	6,647475E+21	3,684095E+21	1,293470E+21	1,163634E+20	0,000000E+00	0,000000E+00	1,163482E+20	1,293438E+21
-1398	3,684109E+21	6,647419E+21	8,921476E+21	8,921305E+21	6,646977E+21	3,683723E+21	1,293262E+21	1,163149E+20	0,000000E+00	0,000000E+00	1,163828E+20	1,293523E+21
-1397	3,683967E+21	6,646882E+21	8,920673E+21	8,920853E+21	6,647122E+21	3,684082E+21	1,293562E+21	1,163923E+20	0,000000E+00	0,000000E+00	1,163608E+20	1,293362E+21
-1396	3,683702E+21	6,646745E+21	8,920762E+21	8,920763E+21	6,646862E+21	3,683893E+21	1,293505E+21	1,164179E+20	0,000000E+00	0,000000E+00	1,164316E+20	1,293591E+21
-1395	3,684024E+21	6,646873E+21	8,920498E+21	8,920214E+21	6,646323E+21	3,683649E+21	1,293433E+21	1,163995E+20	0,000000E+00	0,000000E+00	1,164332E+20	1,293524E+21
-1394	3,683629E+21	6,646087E+21	8,919798E+21	8,920039E+21	6,646535E+21	3,683933E+21	1,293697E+21	1,164848E+20	0,000000E+00	0,000000E+00	1,164327E+20	1,293453E+21
-1393	3,683634E+21	6,646303E+21	8,920006E+21	8,919957E+21	6,646204E+21	3,683600E+21	1,293481E+21	1,164571E+20	0,000000E+00	0,000000E+00	1,165011E+20	1,293719E+21
-1392	3,683912E+21	6,646321E+21	8,919640E+21	8,919521E+21	6,646069E+21	3,683686E+21	1,293556E+21	1,164524E+20	0,000000E+00	0,000000E+00	1,164602E+20	1,293532E+21
-1391	3,683541E+21	6,645930E+21	8,919629E+21	8,919792E+21	6,646329E+21	3,683853E+21	1,293679E+21	1,164954E+20	0,000000E+00	0,000000E+00	1,164584E+20	1,293563E+21
-1390	3,683865E+21	6,646541E+21	8,920085E+21	8,919888E+21	6,646079E+21	3,683508E+21	1,293410E+21	1,164288E+20	0,000000E+00	0,000000E+00	1,164800E+20	1,293653E+21
-1389	3,683846E+21	6,646364E+21	8,919846E+21	8,919901E+21	6,646459E+21	3,683883E+21	1,293612E+21	1,164405E+20	0,000000E+00	0,000000E+00	1,164049E+20	1,293396E+21
-1388	3,683526E+21	6,646301E+21	8,920357E+21	8,920491E+21	6,646703E+21	3,683882E+21	1,293567E+21	1,164479E+20	0,000000E+00	0,000000E+00	1,164235E+20	1,293545E+21
-1387	3,683962E+21	6,646841E+21	8,920628E+21	8,920500E+21	6,646523E+21	3,683662E+21	1,293364E+21	1,163691E+20	0,000000E+00	0,000000E+00	1,164116E+20	1,293513E+21
-1386	3,683763E+21	6,646465E+21	8,920321E+21	8,920629E+21	6,646997E+21	3,684056E+21	1,293589E+21	1,164045E+20	0,000000E+00	0,000000E+00	1,163511E+20	1,293354E+21
-1385	3,683769E+21	6,646902E+21	8,920955E+21	8,920950E+21	6,646972E+21	3,683864E+21	1,293402E+21	1,163755E+20	0,000000E+00	0,000000E+00	1,164010E+20	1,293577E+21
-1384	3,684156E+21	6,647256E+21	8,921041E+21	8,920795E+21	6,646820E+21	3,683830E+21	1,293373E+21	1,163301E+20	0,000000E+00	0,000000E+00	1,163503E+20	1,293398E+21
-1383	3,683794E+21	6,646835E+21	8,920976E+21	8,921123E+21	6,647161E+21	3,684046E+21	1,293546E+21	1,163930E+20	0,000000E+00	0,000000E+00	1,163436E+20	1,293366E+21
-1382	3,683950E+21	6,647253E+21	8,921315E+21	8,921188E+21	6,646929E+21	3,683701E+21	1,293288E+21	1,163423E+20	0,000000E+00	0,000000E+00	1,164010E+20	1,293552E+21
-1381	3,684016E+21	6,647018E+21	8,920808E+21	8,920770E+21	6,646955E+21	3,683943E+21	1,293464E+21	1,163642E+20	0,000000E+00	0,000000E+00	1,163589E+20	1,293378E+21

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°
-1380	3,683643E+21	6,646558E+21	8,920715E+21	8,920887E+21	6,647013E+21	3,684006E+21	1,293568E+21	1,164281E+20	0,000000E+00	0,000000E+00	1,164070E+20	1,293507E+21
-1379	3,683983E+21	6,646908E+21	8,920652E+21	8,920456E+21	6,646457E+21	3,683631E+21	1,293373E+21	1,163838E+20	0,000000E+00	0,000000E+00	1,164444E+20	1,293590E+21
-1378	3,683795E+21	6,646308E+21	8,919826E+21	8,919934E+21	6,646484E+21	3,683916E+21	1,293660E+21	1,164646E+20	0,000000E+00	0,000000E+00	1,164224E+20	1,293425E+21
-1377	3,683527E+21	6,646142E+21	8,919897E+21	8,919892E+21	6,646279E+21	3,683739E+21	1,293593E+21	1,164875E+20	0,000000E+00	0,000000E+00	1,164989E+20	1,293663E+21
-1376	3,683846E+21	6,646260E+21	8,919593E+21	8,919336E+21	6,645773E+21	3,683508E+21	1,293516E+21	1,164677E+20	0,000000E+00	0,000000E+00	1,165049E+20	1,293625E+21
-1375	3,683509E+21	6,645563E+21	8,918973E+21	8,919191E+21	6,645963E+21	3,683763E+21	1,293751E+21	1,165413E+20	0,000000E+00	0,000000E+00	1,164990E+20	1,293562E+21
-1374	3,683561E+21	6,645837E+21	8,919242E+21	8,919185E+21	6,645689E+21	3,683441E+21	1,293527E+21	1,165083E+20	0,000000E+00	0,000000E+00	1,165576E+20	1,293792E+21
-1373	3,683807E+21	6,645878E+21	8,918931E+21	8,918780E+21	6,645602E+21	3,683579E+21	1,293630E+21	1,165058E+20	0,000000E+00	0,000000E+00	1,165130E+20	1,293600E+21
-1372	3,683431E+21	6,645489E+21	8,919022E+21	8,919206E+21	6,645933E+21	3,683766E+21	1,293764E+21	1,165513E+20	0,000000E+00	0,000000E+00	1,165014E+20	1,293587E+21
-1371	3,683699E+21	6,646094E+21	8,919482E+21	8,919308E+21	6,645702E+21	3,683431E+21	1,293495E+21	1,164847E+20	0,000000E+00	0,000000E+00	1,165293E+20	1,293697E+21
-1370	3,683654E+21	6,645808E+21	8,919114E+21	8,919215E+21	6,646010E+21	3,683762E+21	1,293677E+21	1,164935E+20	0,000000E+00	0,000000E+00	1,164567E+20	1,293470E+21
-1369	3,683410E+21	6,645779E+21	8,919564E+21	8,919742E+21	6,646267E+21	3,683789E+21	1,293629E+21	1,164970E+20	0,000000E+00	0,000000E+00	1,164798E+20	1,293630E+21
-1368	3,683888E+21	6,646406E+21	8,919879E+21	8,919732E+21	6,646050E+21	3,683555E+21	1,293430E+21	1,164183E+20	0,000000E+00	0,000000E+00	1,164671E+20	1,293604E+21
-1367	3,683736E+21	6,646164E+21	8,919715E+21	8,919904E+21	6,646464E+21	3,683885E+21	1,293628E+21	1,164491E+20	0,000000E+00	0,000000E+00	1,164012E+20	1,293425E+21
-1366	3,683708E+21	6,646579E+21	8,920412E+21	8,920325E+21	6,646490E+21	3,683694E+21	1,293440E+21	1,164213E+20	0,000000E+00	0,000000E+00	1,164473E+20	1,293613E+21
-1365	3,684005E+21	6,646824E+21	8,920457E+21	8,920202E+21	6,646400E+21	3,683708E+21	1,293436E+21	1,163829E+20	0,000000E+00	0,000000E+00	1,164038E+20	1,293462E+21
-1364	3,683641E+21	6,646306E+21	8,920304E+21	8,920549E+21	6,646799E+21	3,683966E+21	1,293625E+21	1,164505E+20	0,000000E+00	0,000000E+00	1,163967E+20	1,293418E+21
-1363	3,683788E+21	6,646723E+21	8,920560E+21	8,920488E+21	6,646524E+21	3,683645E+21	1,293387E+21	1,164029E+20	0,000000E+00	0,000000E+00	1,164614E+20	1,293631E+21
-1362	3,683863E+21	6,646430E+21	8,919931E+21	8,919908E+21	6,646403E+21	3,683820E+21	1,293558E+21	1,164295E+20	0,000000E+00	0,000000E+00	1,164218E+20	1,293467E+21
-1361	3,683534E+21	6,646002E+21	8,919796E+21	8,919957E+21	6,646450E+21	3,683894E+21	1,293668E+21	1,164953E+20	0,000000E+00	0,000000E+00	1,164724E+20	1,293579E+21
-1360	3,683835E+21	6,646366E+21	8,919798E+21	8,919543E+21	6,645846E+21	3,683485E+21	1,293475E+21	1,164563E+20	0,000000E+00	0,000000E+00	1,165135E+20	1,293676E+21
-1359	3,683655E+21	6,645778E+21	8,919007E+21	8,919052E+21	6,645823E+21	3,683694E+21	1,293721E+21	1,165306E+20	0,000000E+00	0,000000E+00	1,164925E+20	1,293518E+21
-1358	3,683382E+21	6,645560E+21	8,919032E+21	8,919051E+21	6,645698E+21	3,683540E+21	1,293641E+21	1,165476E+20	0,000000E+00	0,000000E+00	1,165658E+20	1,293753E+21
-1357	3,683703E+21	6,645690E+21	8,918732E+21	8,918493E+21	6,645238E+21	3,683369E+21	1,293586E+21	1,165279E+20	0,000000E+00	0,000000E+00	1,165729E+20	1,293737E+21
-1356	3,683423E+21	6,645051E+21	8,918191E+21	8,918448E+21	6,645490E+21	3,683657E+21	1,293833E+21	1,166002E+20	0,000000E+00	0,000000E+00	1,165534E+20	1,293624E+21
-1355	3,683455E+21	6,645418E+21	8,918558E+21	8,918471E+21	6,645246E+21	3,683366E+21	1,293624E+21	1,165681E+20	0,000000E+00	0,000000E+00	1,166099E+20	1,293841E+21
-1354	3,683642E+21	6,645382E+21	8,918239E+21	8,918070E+21	6,645100E+21	3,683450E+21	1,293712E+21	1,165650E+20	0,000000E+00	0,000000E+00	1,165632E+20	1,293646E+21
-1353	3,683272E+21	6,644963E+21	8,918278E+21	8,918519E+21	6,645508E+21	3,683668E+21	1,293838E+21	1,166067E+20	0,000000E+00	0,000000E+00	1,165553E+20	1,293637E+21
-1352	3,683527E+21	6,645563E+21	8,918724E+21	8,918602E+21	6,645275E+21	3,683335E+21	1,293566E+21	1,165377E+20	0,000000E+00	0,000000E+00	1,165862E+20	1,293781E+21
-1351	3,683563E+21	6,645375E+21	8,918410E+21	8,918487E+21	6,645502E+21	3,683605E+21	1,293714E+21	1,165359E+20	0,000000E+00	0,000000E+00	1,165102E+20	1,293565E+21
-1350	3,683370E+21	6,645416E+21	8,918905E+21	8,919057E+21	6,645796E+21	3,683636E+21	1,293663E+21	1,165372E+20	0,000000E+00	0,000000E+00	1,165264E+20	1,293694E+21
-1349	3,683818E+21	6,646074E+21	8,919286E+21	8,919077E+21	6,645614E+21	3,683445E+21	1,293491E+21	1,164644E+20	0,000000E+00	0,000000E+00	1,165141E+20	1,293669E+21
-1348	3,683650E+21	6,645810E+21	8,919210E+21	8,919387E+21	6,646075E+21	3,683782E+21	1,293699E+21	1,165014E+20	0,000000E+00	0,000000E+00	1,164436E+20	1,293453E+21
-1347	3,683555E+21	6,646161E+21	8,919850E+21	8,919794E+21	6,646128E+21	3,683610E+21	1,293523E+21	1,164786E+20	0,000000E+00	0,000000E+00	1,164994E+20	1,293661E+21
-1346	3,683805E+21	6,646240E+21	8,919691E+21	8,919515E+21	6,645951E+21	3,683594E+21	1,293513E+21	1,164436E+20	0,000000E+00	0,000000E+00	1,164628E+20	1,293544E+21
-1345	3,683511E+21	6,645731E+21	8,919414E+21	8,919722E+21	6,646329E+21	3,683885E+21	1,293715E+21	1,165127E+20	0,000000E+00	0,000000E+00	1,164625E+20	1,293504E+21

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°
-1344	3,683656E+21	6,646174E+21	8,919663E+21	8,919588E+21	6,645973E+21	3,683539E+21	1,293489E+21	1,164696E+20	0,000000E+00	0,000000E+00	1,165269E+20	1,293720E+21
-1343	3,683767E+21	6,645959E+21	8,919108E+21	8,918998E+21	6,645754E+21	3,683630E+21	1,293629E+21	1,164927E+20	0,000000E+00	0,000000E+00	1,164870E+20	1,293551E+21
-1342	3,683416E+21	6,645508E+21	8,918993E+21	8,919104E+21	6,645824E+21	3,683686E+21	1,293727E+21	1,165567E+20	0,000000E+00	0,000000E+00	1,165351E+20	1,293642E+21
-1341	3,683649E+21	6,645781E+21	8,918951E+21	8,918719E+21	6,645289E+21	3,683322E+21	1,293547E+21	1,165209E+20	0,000000E+00	0,000000E+00	1,165823E+20	1,293773E+21
-1340	3,683502E+21	6,645184E+21	8,918184E+21	8,918302E+21	6,645328E+21	3,683558E+21	1,293792E+21	1,165924E+20	0,000000E+00	0,000000E+00	1,165561E+20	1,293602E+21
-1339	3,683251E+21	6,645031E+21	8,918227E+21	8,918272E+21	6,645207E+21	3,683436E+21	1,293729E+21	1,166097E+20	0,000000E+00	0,000000E+00	1,166292E+20	1,293840E+21
-1338	3,683568E+21	6,645135E+21	8,917883E+21	8,917661E+21	6,644695E+21	3,683241E+21	1,293674E+21	1,165918E+20	0,000000E+00	0,000000E+00	1,166329E+20	1,293818E+21
-1337	3,683326E+21	6,644578E+21	8,917382E+21	8,917618E+21	6,644994E+21	3,683568E+21	1,293929E+21	1,166628E+20	0,000000E+00	0,000000E+00	1,166112E+20	1,293677E+21
-1336	3,683292E+21	6,644931E+21	8,917834E+21	8,917716E+21	6,644745E+21	3,683260E+21	1,293724E+21	1,166330E+20	0,000000E+00	0,000000E+00	1,166668E+20	1,293900E+21
-1335	3,683495E+21	6,644892E+21	8,917524E+21	8,917362E+21	6,644582E+21	3,683276E+21	1,293763E+21	1,166183E+20	0,000000E+00	0,000000E+00	1,166212E+20	1,293725E+21
-1334	3,683149E+21	6,644464E+21	8,917507E+21	8,917807E+21	6,645038E+21	3,683508E+21	1,293873E+21	1,166522E+20	0,000000E+00	0,000000E+00	1,166090E+20	1,293715E+21
-1333	3,683412E+21	6,645091E+21	8,917982E+21	8,917891E+21	6,644835E+21	3,683224E+21	1,293620E+21	1,165832E+20	0,000000E+00	0,000000E+00	1,166393E+20	1,293875E+21
-1332	3,683508E+21	6,645003E+21	8,917810E+21	8,917880E+21	6,645086E+21	3,683496E+21	1,293773E+21	1,165815E+20	0,000000E+00	0,000000E+00	1,165517E+20	1,293613E+21
-1331	3,683293E+21	6,645121E+21	8,918397E+21	8,918483E+21	6,645399E+21	3,683547E+21	1,293741E+21	1,165878E+20	0,000000E+00	0,000000E+00	1,165692E+20	1,293727E+21
-1330	3,683663E+21	6,645650E+21	8,918709E+21	8,918493E+21	6,645185E+21	3,683324E+21	1,293565E+21	1,165197E+20	0,000000E+00	0,000000E+00	1,165599E+20	1,293712E+21
-1329	3,683504E+21	6,645329E+21	8,918508E+21	8,918756E+21	6,645707E+21	3,683705E+21	1,293774E+21	1,165576E+20	0,000000E+00	0,000000E+00	1,164987E+20	1,293507E+21
-1328	3,683378E+21	6,645623E+21	8,919086E+21	8,919096E+21	6,645716E+21	3,683534E+21	1,293610E+21	1,165371E+20	0,000000E+00	0,000000E+00	1,165598E+20	1,293749E+21
-1327	3,683701E+21	6,645745E+21	8,918892E+21	8,918723E+21	6,645409E+21	3,683433E+21	1,293568E+21	1,164963E+20	0,000000E+00	0,000000E+00	1,165262E+20	1,293648E+21
-1326	3,683438E+21	6,645263E+21	8,918573E+21	8,918878E+21	6,645771E+21	3,683717E+21	1,293772E+21	1,165658E+20	0,000000E+00	0,000000E+00	1,165225E+20	1,293583E+21
-1325	3,683534E+21	6,645700E+21	8,918876E+21	8,918751E+21	6,645415E+21	3,683396E+21	1,293568E+21	1,165295E+20	0,000000E+00	0,000000E+00	1,165889E+20	1,293804E+21
-1324	3,683635E+21	6,645468E+21	8,918395E+21	8,918255E+21	6,645201E+21	3,683468E+21	1,293710E+21	1,165578E+20	0,000000E+00	0,000000E+00	1,165463E+20	1,293611E+21
-1323	3,683246E+21	6,644978E+21	8,918223E+21	8,918347E+21	6,645310E+21	3,683545E+21	1,293813E+21	1,166235E+20	0,000000E+00	0,000000E+00	1,166008E+20	1,293720E+21
-1322	3,683454E+21	6,645130E+21	8,918021E+21	8,917850E+21	6,644730E+21	3,683173E+21	1,293631E+21	1,165901E+20	0,000000E+00	0,000000E+00	1,166508E+20	1,293876E+21
-1321	3,683389E+21	6,644604E+21	8,917222E+21	8,917380E+21	6,644795E+21	3,683453E+21	1,293884E+21	1,166595E+20	0,000000E+00	0,000000E+00	1,166254E+20	1,293693E+21
-1320	3,683126E+21	6,644504E+21	8,917364E+21	8,917391E+21	6,644654E+21	3,683325E+21	1,293836E+21	1,166791E+20	0,000000E+00	0,000000E+00	1,166928E+20	1,293922E+21
-1319	3,683462E+21	6,644671E+21	8,917118E+21	8,916834E+21	6,644098E+21	3,683063E+21	1,293747E+21	1,166543E+20	0,000000E+00	0,000000E+00	1,166940E+20	1,293886E+21
-1318	3,683187E+21	6,644097E+21	8,916645E+21	8,916879E+21	6,644465E+21	3,683395E+21	1,293989E+21	1,167189E+20	0,000000E+00	0,000000E+00	1,166669E+20	1,293728E+21
-1317	3,683093E+21	6,644378E+21	8,917076E+21	8,917015E+21	6,644300E+21	3,683141E+21	1,293791E+21	1,166880E+20	0,000000E+00	0,000000E+00	1,167241E+20	1,293977E+21
-1316	3,683344E+21	6,644370E+21	8,916817E+21	8,916719E+21	6,644171E+21	3,683171E+21	1,293824E+21	1,166677E+20	0,000000E+00	0,000000E+00	1,166719E+20	1,293796E+21
-1315	3,683049E+21	6,644039E+21	8,916830E+21	8,917144E+21	6,644627E+21	3,683416E+21	1,293941E+21	1,167001E+20	0,000000E+00	0,000000E+00	1,166581E+20	1,293787E+21
-1314	3,683307E+21	6,644644E+21	8,917268E+21	8,917187E+21	6,644389E+21	3,683114E+21	1,293691E+21	1,166345E+20	0,000000E+00	0,000000E+00	1,166857E+20	1,293943E+21
-1313	3,683446E+21	6,644656E+21	8,917174E+21	8,917202E+21	6,644674E+21	3,683411E+21	1,293847E+21	1,166343E+20	0,000000E+00	0,000000E+00	1,165995E+20	1,293658E+21
-1312	3,683158E+21	6,644727E+21	8,917818E+21	8,917867E+21	6,644968E+21	3,683441E+21	1,293824E+21	1,166462E+20	0,000000E+00	0,000000E+00	1,166197E+20	1,293782E+21
-1311	3,683529E+21	6,645194E+21	8,918058E+21	8,917867E+21	6,644730E+21	3,683163E+21	1,293610E+21	1,165707E+20	0,000000E+00	0,000000E+00	1,166165E+20	1,293792E+21
-1310	3,683392E+21	6,644859E+21	8,917760E+21	8,918048E+21	6,645247E+21	3,683554E+21	1,293815E+21	1,166045E+20	0,000000E+00	0,000000E+00	1,165569E+20	1,293592E+21
-1309	3,683255E+21	6,645121E+21	8,918293E+21	8,918326E+21	6,645248E+21	3,683426E+21	1,293677E+21	1,165880E+20	0,000000E+00	0,000000E+00	1,166184E+20	1,293840E+21

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°
-1308	3,683610E+21	6,645311E+21	8,918194E+21	8,918000E+21	6,644929E+21	3,683311E+21	1,293641E+21	1,165508E+20	0,000000E+00	0,000000E+00	1,165785E+20	1,293710E+21
-1307	3,683330E+21	6,644864E+21	8,917901E+21	8,918133E+21	6,645262E+21	3,683590E+21	1,293859E+21	1,166269E+20	0,000000E+00	0,000000E+00	1,165778E+20	1,293633E+21
-1306	3,683340E+21	6,645124E+21	8,918078E+21	8,917968E+21	6,644872E+21	3,683243E+21	1,293656E+21	1,165974E+20	0,000000E+00	0,000000E+00	1,166486E+20	1,293872E+21
-1305	3,683469E+21	6,644881E+21	8,917506E+21	8,917420E+21	6,644701E+21	3,683348E+21	1,293795E+21	1,166269E+20	0,000000E+00	0,000000E+00	1,166146E+20	1,293690E+21
-1304	3,683062E+21	6,644368E+21	8,917329E+21	8,917477E+21	6,644766E+21	3,683423E+21	1,293910E+21	1,166934E+20	0,000000E+00	0,000000E+00	1,166704E+20	1,293825E+21
-1303	3,683346E+21	6,644574E+21	8,917127E+21	8,916956E+21	6,644127E+21	3,682997E+21	1,293700E+21	1,166538E+20	0,000000E+00	0,000000E+00	1,167212E+20	1,293985E+21
-1302	3,683308E+21	6,644120E+21	8,916363E+21	8,916496E+21	6,644213E+21	3,683284E+21	1,293953E+21	1,167189E+20	0,000000E+00	0,000000E+00	1,166901E+20	1,293774E+21
-1301	3,682988E+21	6,644009E+21	8,916589E+21	8,916579E+21	6,644119E+21	3,683197E+21	1,293925E+21	1,167422E+20	0,000000E+00	0,000000E+00	1,167538E+20	1,293993E+21
-1300	3,683301E+21	6,644167E+21	8,916441E+21	8,916158E+21	6,643613E+21	3,682924E+21	1,293826E+21	1,167162E+20	0,000000E+00	0,000000E+00	1,167506E+20	1,293942E+21
-1299	3,683014E+21	6,643574E+21	8,915907E+21	8,916183E+21	6,644023E+21	3,683279E+21	1,294063E+21	1,167768E+20	0,000000E+00	0,000000E+00	1,167246E+20	1,293799E+21
-1298	3,682911E+21	6,643760E+21	8,916209E+21	8,916224E+21	6,643824E+21	3,683025E+21	1,293864E+21	1,167454E+20	0,000000E+00	0,000000E+00	1,167803E+20	1,294067E+21
-1297	3,683262E+21	6,643885E+21	8,915975E+21	8,915899E+21	6,643714E+21	3,683081E+21	1,293899E+21	1,167222E+20	0,000000E+00	0,000000E+00	1,167259E+20	1,293869E+21
-1296	3,682961E+21	6,643645E+21	8,916157E+21	8,916407E+21	6,644151E+21	3,683309E+21	1,294024E+21	1,167560E+20	0,000000E+00	0,000000E+00	1,167069E+20	1,293854E+21
-1295	3,683243E+21	6,644299E+21	8,916684E+21	8,916519E+21	6,643885E+21	3,682946E+21	1,293742E+21	1,166847E+20	0,000000E+00	0,000000E+00	1,167350E+20	1,293999E+21
-1294	3,683342E+21	6,644280E+21	8,916596E+21	8,916606E+21	6,644235E+21	3,683248E+21	1,293885E+21	1,166790E+20	0,000000E+00	0,000000E+00	1,166485E+20	1,293709E+21
-1293	3,683002E+21	6,644266E+21	8,917193E+21	8,917288E+21	6,644604E+21	3,683339E+21	1,293875E+21	1,166920E+20	0,000000E+00	0,000000E+00	1,166719E+20	1,293854E+21
-1292	3,683398E+21	6,644740E+21	8,917445E+21	8,917286E+21	6,644356E+21	3,683066E+21	1,293664E+21	1,166161E+20	0,000000E+00	0,000000E+00	1,166654E+20	1,293858E+21
-1291	3,683292E+21	6,644446E+21	8,917095E+21	8,917376E+21	6,644837E+21	3,683466E+21	1,293887E+21	1,166543E+20	0,000000E+00	0,000000E+00	1,166083E+20	1,293658E+21
-1290	3,683121E+21	6,644610E+21	8,917507E+21	8,917544E+21	6,644770E+21	3,683322E+21	1,293766E+21	1,166471E+20	0,000000E+00	0,000000E+00	1,166700E+20	1,293902E+21
-1289	3,683495E+21	6,644847E+21	8,917411E+21	8,917182E+21	6,644434E+21	3,683209E+21	1,293738E+21	1,166175E+20	0,000000E+00	0,000000E+00	1,166368E+20	1,293764E+21
-1288	3,683150E+21	6,644329E+21	8,917142E+21	8,917345E+21	6,644718E+21	3,683445E+21	1,293958E+21	1,166989E+20	0,000000E+00	0,000000E+00	1,166425E+20	1,293715E+21
-1287	3,683186E+21	6,644525E+21	8,917205E+21	8,917116E+21	6,644285E+21	3,683048E+21	1,293718E+21	1,166633E+20	0,000000E+00	0,000000E+00	1,167206E+20	1,293980E+21
-1286	3,683350E+21	6,644308E+21	8,916591E+21	8,916514E+21	6,644106E+21	3,683161E+21	1,293852E+21	1,166876E+20	0,000000E+00	0,000000E+00	1,166876E+20	1,293800E+21
-1285	3,682945E+21	6,643816E+21	8,916441E+21	8,916581E+21	6,644201E+21	3,683283E+21	1,293988E+21	1,167553E+20	0,000000E+00	0,000000E+00	1,167391E+20	1,293926E+21
-1284	3,683238E+21	6,644100E+21	8,916381E+21	8,916157E+21	6,643594E+21	3,682861E+21	1,293785E+21	1,167180E+20	0,000000E+00	0,000000E+00	1,167816E+20	1,294050E+21
-1283	3,683174E+21	6,643664E+21	8,915660E+21	8,915734E+21	6,643703E+21	3,683161E+21	1,294045E+21	1,167838E+20	0,000000E+00	0,000000E+00	1,167498E+20	1,293828E+21
-1282	3,682770E+21	6,643364E+21	8,915741E+21	8,915803E+21	6,643624E+21	3,683074E+21	1,294019E+21	1,168095E+20	0,000000E+00	0,000000E+00	1,168122E+20	1,294057E+21
-1281	3,683127E+21	6,643565E+21	8,915543E+21	8,915345E+21	6,643168E+21	3,682836E+21	1,293913E+21	1,167801E+20	0,000000E+00	0,000000E+00	1,168132E+20	1,294018E+21
-1280	3,682854E+21	6,643009E+21	8,915073E+21	8,915352E+21	6,643509E+21	3,683165E+21	1,294148E+21	1,168367E+20	0,000000E+00	0,000000E+00	1,167833E+20	1,293897E+21
-1279	3,682839E+21	6,643272E+21	8,915403E+21	8,915399E+21	6,643274E+21	3,682860E+21	1,293917E+21	1,167970E+20	0,000000E+00	0,000000E+00	1,168364E+20	1,294158E+21
-1278	3,683223E+21	6,643534E+21	8,915311E+21	8,915153E+21	6,643195E+21	3,682913E+21	1,293941E+21	1,167670E+20	0,000000E+00	0,000000E+00	1,167765E+20	1,293934E+21
-1277	3,682872E+21	6,643302E+21	8,915611E+21	8,915778E+21	6,643700E+21	3,683180E+21	1,294080E+21	1,168037E+20	0,000000E+00	0,000000E+00	1,167544E+20	1,293907E+21
-1276	3,683117E+21	6,643932E+21	8,916219E+21	8,916037E+21	6,643526E+21	3,682829E+21	1,293795E+21	1,167327E+20	0,000000E+00	0,000000E+00	1,167802E+20	1,294042E+21
-1275	3,683206E+21	6,643870E+21	8,916038E+21	8,916075E+21	6,643903E+21	3,683159E+21	1,293939E+21	1,167254E+20	0,000000E+00	0,000000E+00	1,166975E+20	1,293768E+21
-1274	3,682840E+21	6,643707E+21	8,916428E+21	8,916608E+21	6,644219E+21	3,683264E+21	1,293949E+21	1,167435E+20	0,000000E+00	0,000000E+00	1,167215E+20	1,293922E+21
-1273	3,683299E+21	6,644267E+21	8,916658E+21	8,916528E+21	6,643946E+21	3,683002E+21	1,293750E+21	1,166722E+20	0,000000E+00	0,000000E+00	1,167175E+20	1,293915E+21

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°
-1272	3,683167E+21	6,644002E+21	8,916391E+21	8,916593E+21	6,644329E+21	3,683359E+21	1,293984E+21	1,167171E+20	0,000000E+00	0,000000E+00	1,166622E+20	1,293726E+21
-1271	3,683010E+21	6,644130E+21	8,916770E+21	8,916747E+21	6,644202E+21	3,683146E+21	1,293835E+21	1,167081E+20	0,000000E+00	0,000000E+00	1,167296E+20	1,293971E+21
-1270	3,683362E+21	6,644340E+21	8,916644E+21	8,916398E+21	6,643878E+21	3,683019E+21	1,293791E+21	1,166756E+20	0,000000E+00	0,000000E+00	1,167026E+20	1,293848E+21
-1269	3,682993E+21	6,643765E+21	8,916329E+21	8,916550E+21	6,644200E+21	3,683294E+21	1,294016E+21	1,167569E+20	0,000000E+00	0,000000E+00	1,167117E+20	1,293820E+21
-1268	3,683064E+21	6,643999E+21	8,916439E+21	8,916341E+21	6,643772E+21	3,682905E+21	1,293784E+21	1,167216E+20	0,000000E+00	0,000000E+00	1,167858E+20	1,294078E+21
-1267	3,683258E+21	6,643830E+21	8,915816E+21	8,915709E+21	6,643592E+21	3,683036E+21	1,293929E+21	1,167480E+20	0,000000E+00	0,000000E+00	1,167524E+20	1,293885E+21
-1266	3,682807E+21	6,643253E+21	8,915576E+21	8,915714E+21	6,643667E+21	3,683172E+21	1,294090E+21	1,168230E+20	0,000000E+00	0,000000E+00	1,167993E+20	1,293993E+21
-1265	3,683095E+21	6,643569E+21	8,915533E+21	8,915298E+21	6,643078E+21	3,682765E+21	1,293899E+21	1,167928E+20	0,000000E+00	0,000000E+00	1,168443E+20	1,294101E+21
-1264	3,682960E+21	6,643058E+21	8,914841E+21	8,914912E+21	6,643163E+21	3,683036E+21	1,294154E+21	1,168580E+20	0,000000E+00	0,000000E+00	1,168154E+20	1,293913E+21
-1263	3,682611E+21	6,642714E+21	8,914802E+21	8,914913E+21	6,643045E+21	3,682900E+21	1,294083E+21	1,168731E+20	0,000000E+00	0,000000E+00	1,168796E+20	1,294156E+21
-1262	3,683016E+21	6,643003E+21	8,914631E+21	8,914434E+21	6,642576E+21	3,682661E+21	1,293965E+21	1,168339E+20	0,000000E+00	0,000000E+00	1,168778E+20	1,294120E+21
-1261	3,682772E+21	6,642548E+21	8,914303E+21	8,914539E+21	6,642971E+21	3,683014E+21	1,294202E+21	1,168865E+20	0,000000E+00	0,000000E+00	1,168392E+20	1,293981E+21
-1260	3,682773E+21	6,642939E+21	8,914853E+21	8,914743E+21	6,642798E+21	3,682722E+21	1,293976E+21	1,168475E+20	0,000000E+00	0,000000E+00	1,168825E+20	1,294204E+21
-1259	3,683122E+21	6,643209E+21	8,914839E+21	8,914615E+21	6,642796E+21	3,682799E+21	1,294001E+21	1,168161E+20	0,000000E+00	0,000000E+00	1,168208E+20	1,293965E+21
-1258	3,682690E+21	6,642802E+21	8,914989E+21	8,915227E+21	6,643352E+21	3,683095E+21	1,294151E+21	1,168561E+20	0,000000E+00	0,000000E+00	1,167990E+20	1,293946E+21
-1257	3,682962E+21	6,643433E+21	8,915502E+21	8,915423E+21	6,643221E+21	3,682790E+21	1,293875E+21	1,167865E+20	0,000000E+00	0,000000E+00	1,168298E+20	1,294090E+21
-1256	3,683045E+21	6,643364E+21	8,915339E+21	8,915402E+21	6,643500E+21	3,683091E+21	1,294025E+21	1,167792E+20	0,000000E+00	0,000000E+00	1,167499E+20	1,293854E+21
-1255	3,682763E+21	6,643210E+21	8,915631E+21	8,915830E+21	6,643723E+21	3,683130E+21	1,294009E+21	1,167945E+20	0,000000E+00	0,000000E+00	1,167766E+20	1,294000E+21
-1254	3,683227E+21	6,643857E+21	8,915936E+21	8,915731E+21	6,643400E+21	3,682846E+21	1,293808E+21	1,167223E+20	0,000000E+00	0,000000E+00	1,167745E+20	1,293990E+21
-1253	3,683059E+21	6,643579E+21	8,915737E+21	8,915855E+21	6,643785E+21	3,683195E+21	1,294043E+21	1,167722E+20	0,000000E+00	0,000000E+00	1,167218E+20	1,293802E+21
-1252	3,682879E+21	6,643680E+21	8,916140E+21	8,916077E+21	6,643706E+21	3,682982E+21	1,293892E+21	1,167651E+20	0,000000E+00	0,000000E+00	1,167901E+20	1,294050E+21
-1251	3,683239E+21	6,643853E+21	8,915919E+21	8,915676E+21	6,643402E+21	3,682880E+21	1,293847E+21	1,167325E+20	0,000000E+00	0,000000E+00	1,167670E+20	1,293939E+21
-1250	3,682851E+21	6,643160E+21	8,915429E+21	8,915703E+21	6,643692E+21	3,683183E+21	1,294099E+21	1,168190E+20	0,000000E+00	0,000000E+00	1,167742E+20	1,293908E+21
-1249	3,682964E+21	6,643476E+21	8,915550E+21	8,915475E+21	6,643285E+21	3,682825E+21	1,293892E+21	1,167916E+20	0,000000E+00	0,000000E+00	1,168479E+20	1,294141E+21
-1248	3,683103E+21	6,643311E+21	8,915031E+21	8,914857E+21	6,643026E+21	3,682921E+21	1,294047E+21	1,168232E+20	0,000000E+00	0,000000E+00	1,168166E+20	1,293959E+21
-1247	3,682651E+21	6,642643E+21	8,914695E+21	8,914838E+21	6,643065E+21	3,683005E+21	1,294179E+21	1,168940E+20	0,000000E+00	0,000000E+00	1,168655E+20	1,294059E+21
-1246	3,682910E+21	6,642958E+21	8,914652E+21	8,914434E+21	6,642489E+21	3,682590E+21	1,293970E+21	1,168568E+20	0,000000E+00	0,000000E+00	1,169143E+20	1,294189E+21
-1245	3,682787E+21	6,642444E+21	8,913954E+21	8,914040E+21	6,642592E+21	3,682879E+21	1,294217E+21	1,169163E+20	0,000000E+00	0,000000E+00	1,168832E+20	1,294015E+21
-1244	3,682498E+21	6,642205E+21	8,914019E+21	8,914105E+21	6,642505E+21	3,682749E+21	1,294143E+21	1,169272E+20	0,000000E+00	0,000000E+00	1,169385E+20	1,294246E+21
-1243	3,682948E+21	6,642595E+21	8,913927E+21	8,913692E+21	6,642086E+21	3,682526E+21	1,294023E+21	1,168851E+20	0,000000E+00	0,000000E+00	1,169312E+20	1,294188E+21
-1242	3,682664E+21	6,642103E+21	8,913606E+21	8,913827E+21	6,642509E+21	3,682905E+21	1,294278E+21	1,169412E+20	0,000000E+00	0,000000E+00	1,168862E+20	1,294029E+21
-1241	3,682658E+21	6,642531E+21	8,914225E+21	8,914132E+21	6,642420E+21	3,682646E+21	1,294068E+21	1,169087E+20	0,000000E+00	0,000000E+00	1,169312E+20	1,294235E+21
-1240	3,682935E+21	6,642721E+21	8,914235E+21	8,914048E+21	6,642413E+21	3,682710E+21	1,294085E+21	1,168747E+20	0,000000E+00	0,000000E+00	1,168738E+20	1,294037E+21
-1239	3,682560E+21	6,642254E+21	8,914208E+21	8,914528E+21	6,642917E+21	3,682976E+21	1,294205E+21	1,169067E+20	0,000000E+00	0,000000E+00	1,168550E+20	1,294026E+21
-1238	3,682863E+21	6,642961E+21	8,914731E+21	8,914656E+21	6,642730E+21	3,682664E+21	1,293926E+21	1,168308E+20	0,000000E+00	0,000000E+00	1,168857E+20	1,294174E+21
-1237	3,682967E+21	6,642955E+21	8,914643E+21	8,914656E+21	6,642996E+21	3,682959E+21	1,294078E+21	1,168247E+20	0,000000E+00	0,000000E+00	1,168029E+20	1,293932E+21

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°
-1236	3,682697E+21	6,642880E+21	8,915058E+21	8,915157E+21	6,643231E+21	3,682986E+21	1,294066E+21	1,168437E+20	0,000000E+00	0,000000E+00	1,168263E+20	1,294056E+21
-1235	3,683122E+21	6,643482E+21	8,915369E+21	8,915121E+21	6,642948E+21	3,682705E+21	1,293864E+21	1,167736E+20	0,000000E+00	0,000000E+00	1,168264E+20	1,294044E+21
-1234	3,682894E+21	6,643046E+21	8,915008E+21	8,915188E+21	6,643349E+21	3,683075E+21	1,294110E+21	1,168287E+20	0,000000E+00	0,000000E+00	1,167777E+20	1,293872E+21
-1233	3,682746E+21	6,643154E+21	8,915328E+21	8,915336E+21	6,643280E+21	3,682902E+21	1,293983E+21	1,168287E+20	0,000000E+00	0,000000E+00	1,168495E+20	1,294116E+21
-1232	3,683079E+21	6,643301E+21	8,915125E+21	8,914897E+21	6,642903E+21	3,682781E+21	1,293948E+21	1,167996E+20	0,000000E+00	0,000000E+00	1,168307E+20	1,294036E+21
-1231	3,682752E+21	6,642603E+21	8,914525E+21	8,914803E+21	6,643114E+21	3,683037E+21	1,294184E+21	1,168846E+20	0,000000E+00	0,000000E+00	1,168400E+20	1,293986E+21
-1230	3,682835E+21	6,642962E+21	8,914698E+21	8,914554E+21	6,642659E+21	3,682672E+21	1,293984E+21	1,168586E+20	0,000000E+00	0,000000E+00	1,169152E+20	1,294214E+21
-1229	3,682929E+21	6,642744E+21	8,914215E+21	8,914019E+21	6,642425E+21	3,682755E+21	1,294134E+21	1,168922E+20	0,000000E+00	0,000000E+00	1,168874E+20	1,294044E+21
-1228	3,682481E+21	6,642066E+21	8,913867E+21	8,914027E+21	6,642506E+21	3,682833E+21	1,294250E+21	1,169593E+20	0,000000E+00	0,000000E+00	1,169344E+20	1,294150E+21
-1227	3,682757E+21	6,642370E+21	8,913777E+21	8,913591E+21	6,641945E+21	3,682437E+21	1,294032E+21	1,169171E+20	0,000000E+00	0,000000E+00	1,169811E+20	1,294285E+21
-1226	3,682649E+21	6,641840E+21	8,913022E+21	8,913146E+21	6,642034E+21	3,682743E+21	1,294292E+21	1,169759E+20	0,000000E+00	0,000000E+00	1,169434E+20	1,294103E+21
-1225	3,682415E+21	6,641741E+21	8,913195E+21	8,913281E+21	6,642008E+21	3,682646E+21	1,294239E+21	1,169920E+20	0,000000E+00	0,000000E+00	1,169927E+20	1,294298E+21
-1224	3,682811E+21	6,642161E+21	8,913283E+21	8,912996E+21	6,641605E+21	3,682419E+21	1,294121E+21	1,169498E+20	0,000000E+00	0,000000E+00	1,169851E+20	1,294252E+21
-1223	3,682536E+21	6,641611E+21	8,912897E+21	8,913147E+21	6,642035E+21	3,682762E+21	1,294344E+21	1,169980E+20	0,000000E+00	0,000000E+00	1,169407E+20	1,294085E+21
-1222	3,682508E+21	6,642049E+21	8,913522E+21	8,913461E+21	6,641976E+21	3,682526E+21	1,294126E+21	1,169584E+20	0,000000E+00	0,000000E+00	1,169882E+20	1,294309E+21
-1221	3,682796E+21	6,642230E+21	8,913537E+21	8,913392E+21	6,641980E+21	3,682596E+21	1,294134E+21	1,169183E+20	0,000000E+00	0,000000E+00	1,169294E+20	1,294124E+21
-1220	3,682481E+21	6,641860E+21	8,913556E+21	8,913871E+21	6,642481E+21	3,682855E+21	1,294252E+21	1,169483E+20	0,000000E+00	0,000000E+00	1,169044E+20	1,294102E+21
-1219	3,682801E+21	6,642618E+21	8,914121E+21	8,914013E+21	6,642302E+21	3,682547E+21	1,293974E+21	1,168731E+20	0,000000E+00	0,000000E+00	1,169309E+20	1,294228E+21
-1218	3,682860E+21	6,642554E+21	8,913995E+21	8,913976E+21	6,642540E+21	3,682847E+21	1,294151E+21	1,168760E+20	0,000000E+00	0,000000E+00	1,168472E+20	1,293977E+21
-1217	3,682578E+21	6,642473E+21	8,914420E+21	8,914540E+21	6,642827E+21	3,682892E+21	1,294159E+21	1,169063E+20	0,000000E+00	0,000000E+00	1,168762E+20	1,294094E+21
-1216	3,682937E+21	6,642978E+21	8,914697E+21	8,914491E+21	6,642524E+21	3,682598E+21	1,293952E+21	1,168377E+20	0,000000E+00	0,000000E+00	1,168855E+20	1,294132E+21
-1215	3,682763E+21	6,642462E+21	8,914124E+21	8,914377E+21	6,642837E+21	3,682931E+21	1,294175E+21	1,168882E+20	0,000000E+00	0,000000E+00	1,168423E+20	1,293964E+21
-1214	3,682637E+21	6,642636E+21	8,914470E+21	8,914465E+21	6,642708E+21	3,682760E+21	1,294056E+21	1,168865E+20	0,000000E+00	0,000000E+00	1,169156E+20	1,294209E+21
-1213	3,682966E+21	6,642809E+21	8,914323E+21	8,914055E+21	6,642318E+21	3,682627E+21	1,294026E+21	1,168617E+20	0,000000E+00	0,000000E+00	1,168968E+20	1,294118E+21
-1212	3,682632E+21	6,642155E+21	8,913789E+21	8,913994E+21	6,642539E+21	3,682879E+21	1,294266E+21	1,169491E+20	0,000000E+00	0,000000E+00	1,169041E+20	1,294053E+21
-1211	3,682663E+21	6,642426E+21	8,913932E+21	8,913794E+21	6,642127E+21	3,682515E+21	1,294058E+21	1,169234E+20	0,000000E+00	0,000000E+00	1,169790E+20	1,294279E+21
-1210	3,682719E+21	6,642076E+21	8,913278E+21	8,913175E+21	6,641898E+21	3,682622E+21	1,294217E+21	1,169585E+20	0,000000E+00	0,000000E+00	1,169542E+20	1,294133E+21
-1209	3,682331E+21	6,641454E+21	8,912905E+21	8,913152E+21	6,641994E+21	3,682725E+21	1,294349E+21	1,170279E+20	0,000000E+00	0,000000E+00	1,169992E+20	1,294234E+21
-1208	3,682606E+21	6,641795E+21	8,912904E+21	8,912737E+21	6,641400E+21	3,682315E+21	1,294129E+21	1,169843E+20	0,000000E+00	0,000000E+00	1,170461E+20	1,294393E+21
-1207	3,682570E+21	6,641323E+21	8,912136E+21	8,912246E+21	6,641446E+21	3,682581E+21	1,294362E+21	1,170363E+20	0,000000E+00	0,000000E+00	1,170048E+20	1,294183E+21
-1206	3,682318E+21	6,641325E+21	8,912480E+21	8,912466E+21	6,641423E+21	3,682492E+21	1,294316E+21	1,170510E+20	0,000000E+00	0,000000E+00	1,170520E+20	1,294365E+21
-1205	3,682665E+21	6,641702E+21	8,912638E+21	8,912344E+21	6,641117E+21	3,682270E+21	1,294187E+21	1,170068E+20	0,000000E+00	0,000000E+00	1,170447E+20	1,294323E+21
-1204	3,682405E+21	6,641175E+21	8,912248E+21	8,912523E+21	6,641612E+21	3,682629E+21	1,294393E+21	1,170476E+20	0,000000E+00	0,000000E+00	1,169967E+20	1,294163E+21
-1203	3,682386E+21	6,641585E+21	8,912826E+21	8,912812E+21	6,641576E+21	3,682421E+21	1,294174E+21	1,170031E+20	0,000000E+00	0,000000E+00	1,170374E+20	1,294374E+21
-1202	3,682676E+21	6,641749E+21	8,912788E+21	8,912691E+21	6,641561E+21	3,682504E+21	1,294201E+21	1,169644E+20	0,000000E+00	0,000000E+00	1,169745E+20	1,294187E+21
-1201	3,682408E+21	6,641486E+21	8,912872E+21	8,913190E+21	6,642070E+21	3,682774E+21	1,294342E+21	1,170042E+20	0,000000E+00	0,000000E+00	1,169466E+20	1,294131E+21

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°
-1200	3,682646E+21	6,642203E+21	8,913537E+21	8,913406E+21	6,641879E+21	3,682452E+21	1,294068E+21	1,169327E+20	0,000000E+00	0,000000E+00	1,169782E+20	1,294282E+21
-1199	3,682718E+21	6,642065E+21	8,913293E+21	8,913308E+21	6,642074E+21	3,682695E+21	1,294209E+21	1,169319E+20	0,000000E+00	0,000000E+00	1,169016E+20	1,294039E+21
-1198	3,682432E+21	6,641988E+21	8,913688E+21	8,913804E+21	6,642332E+21	3,682753E+21	1,294220E+21	1,169601E+20	0,000000E+00	0,000000E+00	1,169377E+20	1,294178E+21
-1197	3,682800E+21	6,642463E+21	8,913936E+21	8,913761E+21	6,642036E+21	3,682465E+21	1,294011E+21	1,168909E+20	0,000000E+00	0,000000E+00	1,169491E+20	1,294231E+21
-1196	3,682686E+21	6,642037E+21	8,913377E+21	8,913612E+21	6,642327E+21	3,682784E+21	1,294232E+21	1,169412E+20	0,000000E+00	0,000000E+00	1,169049E+20	1,294057E+21
-1195	3,682546E+21	6,642200E+21	8,913730E+21	8,913690E+21	6,642197E+21	3,682625E+21	1,294125E+21	1,169426E+20	0,000000E+00	0,000000E+00	1,169731E+20	1,294270E+21
-1194	3,682809E+21	6,642282E+21	8,913528E+21	8,913252E+21	6,641784E+21	3,682498E+21	1,294120E+21	1,169278E+20	0,000000E+00	0,000000E+00	1,169579E+20	1,294185E+21
-1193	3,682466E+21	6,641597E+21	8,912943E+21	8,913208E+21	6,642039E+21	3,682760E+21	1,294376E+21	1,170242E+20	0,000000E+00	0,000000E+00	1,169690E+20	1,294117E+21
-1192	3,682441E+21	6,641768E+21	8,913034E+21	8,912974E+21	6,641612E+21	3,682395E+21	1,294161E+21	1,169972E+20	0,000000E+00	0,000000E+00	1,170499E+20	1,294389E+21
-1191	3,682576E+21	6,641407E+21	8,912228E+21	8,912177E+21	6,641276E+21	3,682451E+21	1,294291E+21	1,170253E+20	0,000000E+00	0,000000E+00	1,170263E+20	1,294243E+21
-1190	3,682234E+21	6,640924E+21	8,911975E+21	8,912153E+21	6,641328E+21	3,682552E+21	1,294426E+21	1,170902E+20	0,000000E+00	0,000000E+00	1,170675E+20	1,294335E+21
-1189	3,682506E+21	6,641326E+21	8,912117E+21	8,911882E+21	6,640799E+21	3,682147E+21	1,294204E+21	1,170470E+20	0,000000E+00	0,000000E+00	1,171098E+20	1,294474E+21
-1188	3,682470E+21	6,640937E+21	8,911490E+21	8,911522E+21	6,640916E+21	3,682415E+21	1,294426E+21	1,170939E+20	0,000000E+00	0,000000E+00	1,170637E+20	1,294249E+21
-1187	3,682176E+21	6,640875E+21	8,911855E+21	8,911855E+21	6,640994E+21	3,682358E+21	1,294372E+21	1,171046E+20	0,000000E+00	0,000000E+00	1,171042E+20	1,294415E+21
-1186	3,682483E+21	6,641149E+21	8,911884E+21	8,911686E+21	6,640731E+21	3,682183E+21	1,294258E+21	1,170596E+20	0,000000E+00	0,000000E+00	1,170962E+20	1,294386E+21
-1185	3,682270E+21	6,640676E+21	8,911492E+21	8,911859E+21	6,641248E+21	3,682569E+21	1,294482E+21	1,171025E+20	0,000000E+00	0,000000E+00	1,170438E+20	1,294216E+21
-1184	3,682239E+21	6,641100E+21	8,912124E+21	8,912151E+21	6,641180E+21	3,682346E+21	1,294261E+21	1,170574E+20	0,000000E+00	0,000000E+00	1,170851E+20	1,294444E+21
-1183	3,682579E+21	6,641290E+21	8,912019E+21	8,911912E+21	6,641070E+21	3,682374E+21	1,294267E+21	1,170159E+20	0,000000E+00	0,000000E+00	1,170231E+20	1,294244E+21
-1182	3,682306E+21	6,641111E+21	8,912244E+21	8,912456E+21	6,641541E+21	3,682627E+21	1,294409E+21	1,170568E+20	0,000000E+00	0,000000E+00	1,169998E+20	1,294196E+21
-1181	3,682509E+21	6,641758E+21	8,912917E+21	8,912780E+21	6,641416E+21	3,682297E+21	1,294123E+21	1,169863E+20	0,000000E+00	0,000000E+00	1,170365E+20	1,294362E+21
-1180	3,682615E+21	6,641653E+21	8,912636E+21	8,912646E+21	6,641624E+21	3,682541E+21	1,294245E+21	1,169802E+20	0,000000E+00	0,000000E+00	1,169622E+20	1,294136E+21
-1179	3,682345E+21	6,641551E+21	8,912986E+21	8,913103E+21	6,641880E+21	3,682617E+21	1,294261E+21	1,170067E+20	0,000000E+00	0,000000E+00	1,169926E+20	1,294255E+21
-1178	3,682692E+21	6,641981E+21	8,913158E+21	8,912999E+21	6,641570E+21	3,682354E+21	1,294084E+21	1,169449E+20	0,000000E+00	0,000000E+00	1,170032E+20	1,294301E+21
-1177	3,682587E+21	6,641604E+21	8,912640E+21	8,912867E+21	6,641864E+21	3,682691E+21	1,294338E+21	1,170081E+20	0,000000E+00	0,000000E+00	1,169597E+20	1,294102E+21
-1176	3,682352E+21	6,641660E+21	8,912999E+21	8,912972E+21	6,641720E+21	3,682522E+21	1,294237E+21	1,170143E+20	0,000000E+00	0,000000E+00	1,170337E+20	1,294336E+21
-1175	3,682615E+21	6,641637E+21	8,912603E+21	8,912388E+21	6,641235E+21	3,682345E+21	1,294206E+21	1,169979E+20	0,000000E+00	0,000000E+00	1,170271E+20	1,294270E+21
-1174	3,682295E+21	6,640987E+21	8,912005E+21	8,912243E+21	6,641415E+21	3,682603E+21	1,294458E+21	1,170905E+20	0,000000E+00	0,000000E+00	1,170428E+20	1,294225E+21
-1173	3,682292E+21	6,641148E+21	8,912097E+21	8,912044E+21	6,640997E+21	3,682227E+21	1,294236E+21	1,170619E+20	0,000000E+00	0,000000E+00	1,171221E+20	1,294503E+21
-1172	3,682502E+21	6,640941E+21	8,911380E+21	8,911264E+21	6,640661E+21	3,682265E+21	1,294351E+21	1,170851E+20	0,000000E+00	0,000000E+00	1,170945E+20	1,294346E+21
-1171	3,682153E+21	6,640491E+21	8,911225E+21	8,911325E+21	6,640762E+21	3,682385E+21	1,294489E+21	1,171492E+20	0,000000E+00	0,000000E+00	1,171240E+20	1,294392E+21
-1170	3,682352E+21	6,640825E+21	8,911390E+21	8,911151E+21	6,640309E+21	3,682023E+21	1,294296E+21	1,171126E+20	0,000000E+00	0,000000E+00	1,171669E+20	1,294530E+21
-1169	3,682305E+21	6,640417E+21	8,910772E+21	8,910878E+21	6,640508E+21	3,682317E+21	1,294526E+21	1,171624E+20	0,000000E+00	0,000000E+00	1,171203E+20	1,294300E+21
-1168	3,681961E+21	6,640261E+21	8,911074E+21	8,911186E+21	6,640607E+21	3,682286E+21	1,294467E+21	1,171682E+20	0,000000E+00	0,000000E+00	1,171617E+20	1,294495E+21
-1167	3,682337E+21	6,640547E+21	8,910976E+21	8,910852E+21	6,640246E+21	3,682067E+21	1,294326E+21	1,171141E+20	0,000000E+00	0,000000E+00	1,171533E+20	1,294467E+21
-1166	3,682178E+21	6,640233E+21	8,910709E+21	8,910986E+21	6,640688E+21	3,682436E+21	1,294549E+21	1,171530E+20	0,000000E+00	0,000000E+00	1,170979E+20	1,294291E+21
-1165	3,682141E+21	6,640679E+21	8,911453E+21	8,911415E+21	6,640675E+21	3,682205E+21	1,294322E+21	1,171087E+20	0,000000E+00	0,000000E+00	1,171364E+20	1,294506E+21

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°
-1164	3,682496E+21	6,640959E+21	8,911460E+21	8,911274E+21	6,640593E+21	3,682207E+21	1,294306E+21	1,170626E+20	0,000000E+00	0,000000E+00	1,170752E+20	1,294313E+21
-1163	3,682201E+21	6,640724E+21	8,911683E+21	8,911885E+21	6,641131E+21	3,682475E+21	1,294437E+21	1,171004E+20	0,000000E+00	0,000000E+00	1,170486E+20	1,294255E+21
-1162	3,682375E+21	6,641282E+21	8,912249E+21	8,912163E+21	6,641043E+21	3,682203E+21	1,294181E+21	1,170334E+20	0,000000E+00	0,000000E+00	1,170879E+20	1,294438E+21
-1161	3,682521E+21	6,641214E+21	8,911966E+21	8,912021E+21	6,641250E+21	3,682464E+21	1,294324E+21	1,170341E+20	0,000000E+00	0,000000E+00	1,170128E+20	1,294199E+21
-1160	3,682220E+21	6,641085E+21	8,912296E+21	8,912439E+21	6,641483E+21	3,682548E+21	1,294353E+21	1,170645E+20	0,000000E+00	0,000000E+00	1,170449E+20	1,294321E+21
-1159	3,682569E+21	6,641481E+21	8,912350E+21	8,912167E+21	6,641054E+21	3,682235E+21	1,294171E+21	1,170072E+20	0,000000E+00	0,000000E+00	1,170602E+20	1,294359E+21
-1158	3,682438E+21	6,641119E+21	8,911888E+21	8,912004E+21	6,641272E+21	3,682547E+21	1,294433E+21	1,170760E+20	0,000000E+00	0,000000E+00	1,170260E+20	1,294178E+21
-1157	3,682164E+21	6,641037E+21	8,912153E+21	8,912161E+21	6,641173E+21	3,682364E+21	1,294320E+21	1,170833E+20	0,000000E+00	0,000000E+00	1,171051E+20	1,294433E+21
-1156	3,682476E+21	6,641064E+21	8,911693E+21	8,911485E+21	6,640648E+21	3,682166E+21	1,294266E+21	1,170613E+20	0,000000E+00	0,000000E+00	1,171022E+20	1,294392E+21
-1155	3,682197E+21	6,640443E+21	8,911120E+21	8,911324E+21	6,640805E+21	3,682416E+21	1,294510E+21	1,171487E+20	0,000000E+00	0,000000E+00	1,171085E+20	1,294321E+21
-1154	3,682186E+21	6,640612E+21	8,911219E+21	8,911131E+21	6,640410E+21	3,682080E+21	1,294321E+21	1,171265E+20	0,000000E+00	0,000000E+00	1,171838E+20	1,294580E+21
-1153	3,682388E+21	6,640465E+21	8,910633E+21	8,910486E+21	6,640141E+21	3,682141E+21	1,294455E+21	1,171570E+20	0,000000E+00	0,000000E+00	1,171529E+20	1,294392E+21
-1152	3,681960E+21	6,639947E+21	8,910519E+21	8,910647E+21	6,640308E+21	3,682279E+21	1,294592E+21	1,172198E+20	0,000000E+00	0,000000E+00	1,171839E+20	1,294451E+21
-1151	3,682153E+21	6,640186E+21	8,910496E+21	8,910346E+21	6,639830E+21	3,681904E+21	1,294380E+21	1,171791E+20	0,000000E+00	0,000000E+00	1,172307E+20	1,294603E+21
-1150	3,682136E+21	6,639842E+21	8,909922E+21	8,910017E+21	6,639985E+21	3,682208E+21	1,294605E+21	1,172203E+20	0,000000E+00	0,000000E+00	1,171854E+20	1,294396E+21
-1149	3,681828E+21	6,639684E+21	8,910236E+21	8,910386E+21	6,640101E+21	3,682158E+21	1,294534E+21	1,172218E+20	0,000000E+00	0,000000E+00	1,172210E+20	1,294585E+21
-1148	3,682275E+21	6,640146E+21	8,910234E+21	8,910052E+21	6,639719E+21	3,681911E+21	1,294371E+21	1,171600E+20	0,000000E+00	0,000000E+00	1,172089E+20	1,294553E+21
-1147	3,682123E+21	6,639900E+21	8,910116E+21	8,910274E+21	6,640173E+21	3,682270E+21	1,294585E+21	1,171962E+20	0,000000E+00	0,000000E+00	1,171424E+20	1,294340E+21
-1146	3,682029E+21	6,640286E+21	8,910875E+21	8,910801E+21	6,640243E+21	3,682081E+21	1,294385E+21	1,171591E+20	0,000000E+00	0,000000E+00	1,171835E+20	1,294558E+21
-1145	3,682378E+21	6,640543E+21	8,910901E+21	8,910763E+21	6,640250E+21	3,682110E+21	1,294376E+21	1,171176E+20	0,000000E+00	0,000000E+00	1,171235E+20	1,294366E+21
-1144	3,682055E+21	6,640242E+21	8,911046E+21	8,911321E+21	6,640797E+21	3,682406E+21	1,294510E+21	1,171535E+20	0,000000E+00	0,000000E+00	1,171002E+20	1,294329E+21
-1143	3,682262E+21	6,640769E+21	8,911446E+21	8,911402E+21	6,640603E+21	3,682108E+21	1,294254E+21	1,170870E+20	0,000000E+00	0,000000E+00	1,171409E+20	1,294505E+21
-1142	3,682427E+21	6,640797E+21	8,911254E+21	8,911198E+21	6,640720E+21	3,682353E+21	1,294407E+21	1,170906E+20	0,000000E+00	0,000000E+00	1,170698E+20	1,294267E+21
-1141	3,682084E+21	6,640587E+21	8,911578E+21	8,911688E+21	6,640971E+21	3,682421E+21	1,294440E+21	1,171269E+20	0,000000E+00	0,000000E+00	1,171034E+20	1,294377E+21
-1140	3,682425E+21	6,641009E+21	8,911629E+21	8,911407E+21	6,640518E+21	3,682071E+21	1,294237E+21	1,170681E+20	0,000000E+00	0,000000E+00	1,171256E+20	1,294441E+21
-1139	3,682286E+21	6,640573E+21	8,911096E+21	8,911201E+21	6,640728E+21	3,682373E+21	1,294486E+21	1,171347E+20	0,000000E+00	0,000000E+00	1,170897E+20	1,294258E+21
-1138	3,682002E+21	6,640417E+21	8,911245E+21	8,911296E+21	6,640645E+21	3,682238E+21	1,294399E+21	1,171454E+20	0,000000E+00	0,000000E+00	1,171712E+20	1,294530E+21
-1137	3,682364E+21	6,640505E+21	8,910834E+21	8,910656E+21	6,640114E+21	3,682033E+21	1,294356E+21	1,171293E+20	0,000000E+00	0,000000E+00	1,171667E+20	1,294477E+21
-1136	3,682069E+21	6,639897E+21	8,910282E+21	8,910492E+21	6,640278E+21	3,682294E+21	1,294603E+21	1,172161E+20	0,000000E+00	0,000000E+00	1,171717E+20	1,294400E+21
-1135	3,682047E+21	6,640052E+21	8,910336E+21	8,910217E+21	6,639824E+21	3,681939E+21	1,294418E+21	1,171978E+20	0,000000E+00	0,000000E+00	1,172486E+20	1,294648E+21
-1134	3,682227E+21	6,639939E+21	8,909856E+21	8,909619E+21	6,639542E+21	3,681995E+21	1,294552E+21	1,172283E+20	0,000000E+00	0,000000E+00	1,172240E+20	1,294475E+21
-1133	3,681771E+21	6,639308E+21	8,909661E+21	8,909860E+21	6,639800E+21	3,682145E+21	1,294675E+21	1,172868E+20	0,000000E+00	0,000000E+00	1,172531E+20	1,294541E+21
-1132	3,682022E+21	6,639641E+21	8,909622E+21	8,909487E+21	6,639294E+21	3,681757E+21	1,294437E+21	1,172356E+20	0,000000E+00	0,000000E+00	1,172987E+20	1,294711E+21
-1131	3,682050E+21	6,639355E+21	8,909120E+21	8,909175E+21	6,639427E+21	3,682044E+21	1,294647E+21	1,172675E+20	0,000000E+00	0,000000E+00	1,172392E+20	1,294473E+21
-1130	3,681741E+21	6,639233E+21	8,909481E+21	8,909606E+21	6,639602E+21	3,682038E+21	1,294603E+21	1,172727E+20	0,000000E+00	0,000000E+00	1,172691E+20	1,294641E+21
-1129	3,682177E+21	6,639758E+21	8,909656E+21	8,909448E+21	6,639287E+21	3,681799E+21	1,294451E+21	1,172160E+20	0,000000E+00	0,000000E+00	1,172533E+20	1,294588E+21

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°
-1128	3,681973E+21	6,639474E+21	8,909576E+21	8,909766E+21	6,639814E+21	3,682173E+21	1,294656E+21	1,172497E+20	0,000000E+00	0,000000E+00	1,171890E+20	1,294388E+21
-1127	3,681877E+21	6,639787E+21	8,910165E+21	8,910152E+21	6,639851E+21	3,681987E+21	1,294454E+21	1,172128E+20	0,000000E+00	0,000000E+00	1,172349E+20	1,294619E+21
-1126	3,682252E+21	6,640098E+21	8,910236E+21	8,910060E+21	6,639810E+21	3,682022E+21	1,294445E+21	1,171682E+20	0,000000E+00	0,000000E+00	1,171795E+20	1,294448E+21
-1125	3,681950E+21	6,639758E+21	8,910333E+21	8,910644E+21	6,640369E+21	3,682306E+21	1,294578E+21	1,172047E+20	0,000000E+00	0,000000E+00	1,171542E+20	1,294401E+21
-1124	3,682193E+21	6,640386E+21	8,910739E+21	8,910651E+21	6,640117E+21	3,681980E+21	1,294311E+21	1,171368E+20	0,000000E+00	0,000000E+00	1,171961E+20	1,294577E+21
-1123	3,682332E+21	6,640405E+21	8,910622E+21	8,910476E+21	6,640192E+21	3,682193E+21	1,294461E+21	1,171425E+20	0,000000E+00	0,000000E+00	1,171226E+20	1,294323E+21
-1122	3,681935E+21	6,640071E+21	8,910844E+21	8,910971E+21	6,640481E+21	3,682290E+21	1,294521E+21	1,171878E+20	0,000000E+00	0,000000E+00	1,171633E+20	1,294444E+21
-1121	3,682255E+21	6,640429E+21	8,910853E+21	8,910707E+21	6,640057E+21	3,681950E+21	1,294323E+21	1,171348E+20	0,000000E+00	0,000000E+00	1,171894E+20	1,294524E+21
-1120	3,682130E+21	6,639979E+21	8,910245E+21	8,910406E+21	6,640229E+21	3,682252E+21	1,294564E+21	1,171982E+20	0,000000E+00	0,000000E+00	1,171569E+20	1,294359E+21
-1119	3,681886E+21	6,639823E+21	8,910253E+21	8,910301E+21	6,640029E+21	3,682091E+21	1,294485E+21	1,172119E+20	0,000000E+00	0,000000E+00	1,172373E+20	1,294618E+21
-1118	3,682261E+21	6,640017E+21	8,909986E+21	8,909684E+21	6,639469E+21	3,681883E+21	1,294449E+21	1,171989E+20	0,000000E+00	0,000000E+00	1,172357E+20	1,294561E+21
-1117	3,681924E+21	6,639349E+21	8,909475E+21	8,909659E+21	6,639698E+21	3,682140E+21	1,294696E+21	1,172869E+20	0,000000E+00	0,000000E+00	1,172392E+20	1,294470E+21
-1116	3,681895E+21	6,639523E+21	8,909527E+21	8,909399E+21	6,639263E+21	3,681775E+21	1,294492E+21	1,172645E+20	0,000000E+00	0,000000E+00	1,173195E+20	1,294736E+21
-1115	3,682067E+21	6,639369E+21	8,909043E+21	8,908820E+21	6,639001E+21	3,681833E+21	1,294609E+21	1,172867E+20	0,000000E+00	0,000000E+00	1,172893E+20	1,294560E+21
-1114	3,681620E+21	6,638703E+21	8,908771E+21	8,909038E+21	6,639299E+21	3,682035E+21	1,294754E+21	1,173440E+20	0,000000E+00	0,000000E+00	1,173143E+20	1,294626E+21
-1113	3,681900E+21	6,639114E+21	8,908839E+21	8,908746E+21	6,638820E+21	3,681651E+21	1,294522E+21	1,172949E+20	0,000000E+00	0,000000E+00	1,173524E+20	1,294776E+21
-1112	3,681935E+21	6,638895E+21	8,908402E+21	8,908452E+21	6,638963E+21	3,681938E+21	1,294726E+21	1,173230E+20	0,000000E+00	0,000000E+00	1,172887E+20	1,294528E+21
-1111	3,681615E+21	6,638771E+21	8,908737E+21	8,908828E+21	6,639087E+21	3,681915E+21	1,294689E+21	1,173330E+20	0,000000E+00	0,000000E+00	1,173189E+20	1,294688E+21
-1110	3,682036E+21	6,639329E+21	8,909025E+21	8,908766E+21	6,638812E+21	3,681676E+21	1,294528E+21	1,172754E+20	0,000000E+00	0,000000E+00	1,173104E+20	1,294657E+21
-1109	3,681822E+21	6,638952E+21	8,908878E+21	8,909153E+21	6,639416E+21	3,682060E+21	1,294718E+21	1,173040E+20	0,000000E+00	0,000000E+00	1,172463E+20	1,294471E+21
-1108	3,681795E+21	6,639361E+21	8,909445E+21	8,909446E+21	6,639403E+21	3,681864E+21	1,294500E+21	1,172598E+20	0,000000E+00	0,000000E+00	1,172932E+20	1,294714E+21
-1107	3,682192E+21	6,639713E+21	8,909576E+21	8,909351E+21	6,639315E+21	3,681872E+21	1,294482E+21	1,172100E+20	0,000000E+00	0,000000E+00	1,172276E+20	1,294511E+21
-1106	3,681862E+21	6,639355E+21	8,909657E+21	8,909948E+21	6,639918E+21	3,682203E+21	1,294649E+21	1,172545E+20	0,000000E+00	0,000000E+00	1,172025E+20	1,294447E+21
-1105	3,682055E+21	6,639961E+21	8,910158E+21	8,910067E+21	6,639691E+21	3,681872E+21	1,294396E+21	1,171954E+20	0,000000E+00	0,000000E+00	1,172449E+20	1,294613E+21
-1104	3,682152E+21	6,639890E+21	8,909941E+21	8,909864E+21	6,639778E+21	3,682084E+21	1,294539E+21	1,172019E+20	0,000000E+00	0,000000E+00	1,171793E+20	1,294387E+21
-1103	3,681761E+21	6,639468E+21	8,909940E+21	8,910139E+21	6,639979E+21	3,682175E+21	1,294605E+21	1,172507E+20	0,000000E+00	0,000000E+00	1,172266E+20	1,294529E+21
-1102	3,682119E+21	6,639883E+21	8,909985E+21	8,909805E+21	6,639484E+21	3,681823E+21	1,294408E+21	1,171986E+20	0,000000E+00	0,000000E+00	1,172588E+20	1,294630E+21
-1101	3,682018E+21	6,639418E+21	8,909356E+21	8,909535E+21	6,639656E+21	3,682101E+21	1,294641E+21	1,172617E+20	0,000000E+00	0,000000E+00	1,172243E+20	1,294453E+21
-1100	3,681813E+21	6,639380E+21	8,909417E+21	8,909383E+21	6,639404E+21	3,681915E+21	1,294556E+21	1,172749E+20	0,000000E+00	0,000000E+00	1,173050E+20	1,294706E+21
-1099	3,682144E+21	6,639555E+21	8,909255E+21	8,908861E+21	6,638848E+21	3,681687E+21	1,294515E+21	1,172628E+20	0,000000E+00	0,000000E+00	1,172999E+20	1,294629E+21
-1098	3,681752E+21	6,638775E+21	8,908661E+21	8,908891E+21	6,639183E+21	3,682005E+21	1,294786E+21	1,173550E+20	0,000000E+00	0,000000E+00	1,173072E+20	1,294547E+21
-1097	3,681700E+21	6,638898E+21	8,908700E+21	8,908673E+21	6,638799E+21	3,681669E+21	1,294590E+21	1,173347E+20	0,000000E+00	0,000000E+00	1,173847E+20	1,294817E+21
-1096	3,681901E+21	6,638755E+21	8,908158E+21	8,908024E+21	6,638520E+21	3,681732E+21	1,294698E+21	1,173497E+20	0,000000E+00	0,000000E+00	1,173531E+20	1,294649E+21
-1095	3,681492E+21	6,638120E+21	8,907794E+21	8,908082E+21	6,638720E+21	3,681911E+21	1,294847E+21	1,174076E+20	0,000000E+00	0,000000E+00	1,173723E+20	1,294698E+21
-1094	3,681777E+21	6,638648E+21	8,908048E+21	8,907862E+21	6,638241E+21	3,681521E+21	1,294612E+21	1,173586E+20	0,000000E+00	0,000000E+00	1,174106E+20	1,294842E+21
-1093	3,681792E+21	6,638407E+21	8,907698E+21	8,907743E+21	6,638458E+21	3,681790E+21	1,294799E+21	1,173826E+20	0,000000E+00	0,000000E+00	1,173444E+20	1,294591E+21

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°
-1092	3,681502E+21	6,638343E+21	8,908047E+21	8,908130E+21	6,638603E+21	3,681759E+21	1,294740E+21	1,173867E+20	0,000000E+00	0,000000E+00	1,173773E+20	1,294769E+21
-1091	3,681924E+21	6,638895E+21	8,908382E+21	8,908134E+21	6,638369E+21	3,681528E+21	1,294563E+21	1,173194E+20	0,000000E+00	0,000000E+00	1,173629E+20	1,294736E+21
-1090	3,681728E+21	6,638516E+21	8,908197E+21	8,908518E+21	6,639017E+21	3,681962E+21	1,294772E+21	1,173476E+20	0,000000E+00	0,000000E+00	1,172968E+20	1,294545E+21
-1089	3,681700E+21	6,638954E+21	8,908836E+21	8,908869E+21	6,639028E+21	3,681782E+21	1,294572E+21	1,173083E+20	0,000000E+00	0,000000E+00	1,173371E+20	1,294761E+21
-1088	3,682083E+21	6,639330E+21	8,908983E+21	8,908761E+21	6,638928E+21	3,681786E+21	1,294554E+21	1,172586E+20	0,000000E+00	0,000000E+00	1,172729E+20	1,294555E+21
-1087	3,681722E+21	6,638901E+21	8,908927E+21	8,909206E+21	6,639431E+21	3,682091E+21	1,294737E+21	1,173142E+20	0,000000E+00	0,000000E+00	1,172537E+20	1,294493E+21
-1086	3,681878E+21	6,639457E+21	8,909430E+21	8,909336E+21	6,639213E+21	3,681756E+21	1,294481E+21	1,172591E+20	0,000000E+00	0,000000E+00	1,173068E+20	1,294690E+21
-1085	3,681985E+21	6,639299E+21	8,909098E+21	8,909104E+21	6,639293E+21	3,681951E+21	1,294612E+21	1,172645E+20	0,000000E+00	0,000000E+00	1,172456E+20	1,294489E+21
-1084	3,681675E+21	6,638969E+21	8,909051E+21	8,909227E+21	6,639383E+21	3,682006E+21	1,294666E+21	1,173094E+20	0,000000E+00	0,000000E+00	1,172955E+20	1,294640E+21
-1083	3,682044E+21	6,639428E+21	8,909183E+21	8,908928E+21	6,638861E+21	3,681626E+21	1,294462E+21	1,172553E+20	0,000000E+00	0,000000E+00	1,173204E+20	1,294714E+21
-1082	3,681912E+21	6,638948E+21	8,908576E+21	8,908713E+21	6,639091E+21	3,681951E+21	1,294722E+21	1,173248E+20	0,000000E+00	0,000000E+00	1,172874E+20	1,294519E+21
-1081	3,681642E+21	6,638864E+21	8,908725E+21	8,908699E+21	6,638906E+21	3,681787E+21	1,294656E+21	1,173460E+20	0,000000E+00	0,000000E+00	1,173660E+20	1,294759E+21
-1080	3,681939E+21	6,638955E+21	8,908459E+21	8,908162E+21	6,638397E+21	3,681577E+21	1,294608E+21	1,173324E+20	0,000000E+00	0,000000E+00	1,173674E+20	1,294702E+21
-1079	3,681549E+21	6,638099E+21	8,907649E+21	8,907970E+21	6,638650E+21	3,681903E+21	1,294891E+21	1,174260E+20	0,000000E+00	0,000000E+00	1,173761E+20	1,294637E+21
-1078	3,681531E+21	6,638273E+21	8,907741E+21	8,907730E+21	6,638231E+21	3,681556E+21	1,294690E+21	1,174044E+20	0,000000E+00	0,000000E+00	1,174538E+20	1,294915E+21
-1077	3,681766E+21	6,638152E+21	8,907210E+21	8,907121E+21	6,637954E+21	3,681592E+21	1,294784E+21	1,174143E+20	0,000000E+00	0,000000E+00	1,174176E+20	1,294741E+21
-1076	3,681420E+21	6,637683E+21	8,906963E+21	8,907158E+21	6,638093E+21	3,681731E+21	1,294913E+21	1,174667E+20	0,000000E+00	0,000000E+00	1,174340E+20	1,294783E+21
-1075	3,681676E+21	6,638234E+21	8,907383E+21	8,907103E+21	6,637654E+21	3,681317E+21	1,294662E+21	1,174132E+20	0,000000E+00	0,000000E+00	1,174664E+20	1,294911E+21
-1074	3,681660E+21	6,637943E+21	8,907024E+21	8,907102E+21	6,638018E+21	3,681652E+21	1,294854E+21	1,174348E+20	0,000000E+00	0,000000E+00	1,174013E+20	1,294667E+21
-1073	3,681370E+21	6,637888E+21	8,907437E+21	8,907572E+21	6,638235E+21	3,681659E+21	1,294802E+21	1,174385E+20	0,000000E+00	0,000000E+00	1,174283E+20	1,294839E+21
-1072	3,681821E+21	6,638458E+21	8,907724E+21	8,907539E+21	6,638010E+21	3,681446E+21	1,294624E+21	1,173655E+20	0,000000E+00	0,000000E+00	1,174103E+20	1,294795E+21
-1071	3,681627E+21	6,638087E+21	8,907450E+21	8,907776E+21	6,638576E+21	3,681876E+21	1,294853E+21	1,173991E+20	0,000000E+00	0,000000E+00	1,173415E+20	1,294590E+21
-1070	3,681570E+21	6,638553E+21	8,908198E+21	8,908171E+21	6,638583E+21	3,681693E+21	1,294660E+21	1,173657E+20	0,000000E+00	0,000000E+00	1,173849E+20	1,294797E+21
-1069	3,681906E+21	6,638834E+21	8,908315E+21	8,908132E+21	6,638501E+21	3,681671E+21	1,294633E+21	1,173166E+20	0,000000E+00	0,000000E+00	1,173259E+20	1,294612E+21
-1068	3,681592E+21	6,638432E+21	8,908173E+21	8,908453E+21	6,638935E+21	3,681940E+21	1,294795E+21	1,173696E+20	0,000000E+00	0,000000E+00	1,173157E+20	1,294583E+21
-1067	3,681754E+21	6,638962E+21	8,908673E+21	8,908571E+21	6,638687E+21	3,681586E+21	1,294526E+21	1,173093E+20	0,000000E+00	0,000000E+00	1,173670E+20	1,294786E+21
-1066	3,681890E+21	6,638809E+21	8,908304E+21	8,908324E+21	6,638788E+21	3,681809E+21	1,294670E+21	1,173174E+20	0,000000E+00	0,000000E+00	1,173080E+20	1,294585E+21
-1065	3,681581E+21	6,638523E+21	8,908346E+21	8,908497E+21	6,638885E+21	3,681870E+21	1,294742E+21	1,173689E+20	0,000000E+00	0,000000E+00	1,173522E+20	1,294709E+21
-1064	3,681927E+21	6,638978E+21	8,908476E+21	8,908203E+21	6,638373E+21	3,681504E+21	1,294549E+21	1,173189E+20	0,000000E+00	0,000000E+00	1,173796E+20	1,294772E+21
-1063	3,681738E+21	6,638394E+21	8,907734E+21	8,907872E+21	6,638539E+21	3,681821E+21	1,294831E+21	1,173990E+20	0,000000E+00	0,000000E+00	1,173538E+20	1,294588E+21
-1062	3,681431E+21	6,638227E+21	8,907837E+21	8,907862E+21	6,638392E+21	3,681676E+21	1,294765E+21	1,174232E+20	0,000000E+00	0,000000E+00	1,174391E+20	1,294848E+21
-1061	3,681739E+21	6,638257E+21	8,907461E+21	8,907272E+21	6,637868E+21	3,681455E+21	1,294705E+21	1,174052E+20	0,000000E+00	0,000000E+00	1,174432E+20	1,294818E+21
-1060	3,681452E+21	6,637525E+21	8,906619E+21	8,906906E+21	6,637988E+21	3,681731E+21	1,294967E+21	1,174908E+20	0,000000E+00	0,000000E+00	1,174487E+20	1,294752E+21
-1059	3,681439E+21	6,637762E+21	8,906861E+21	8,906768E+21	6,637563E+21	3,681350E+21	1,294750E+21	1,174632E+20	0,000000E+00	0,000000E+00	1,175151E+20	1,294998E+21
-1058	3,681661E+21	6,637687E+21	8,906440E+21	8,906288E+21	6,637370E+21	3,681417E+21	1,294850E+21	1,174732E+20	0,000000E+00	0,000000E+00	1,174770E+20	1,294808E+21
-1057	3,681270E+21	6,637221E+21	8,906346E+21	8,906516E+21	6,637608E+21	3,681578E+21	1,294984E+21	1,175270E+20	0,000000E+00	0,000000E+00	1,174868E+20	1,294838E+21

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°
-1056	3,681521E+21	6,637749E+21	8,906734E+21	8,906523E+21	6,637284E+21	3,681216E+21	1,294728E+21	1,174678E+20	0,000000E+00	0,000000E+00	1,175204E+20	1,294971E+21
-1055	3,681510E+21	6,637430E+21	8,906256E+21	8,906381E+21	6,637598E+21	3,681569E+21	1,294933E+21	1,174893E+20	0,000000E+00	0,000000E+00	1,174539E+20	1,294737E+21
-1054	3,681245E+21	6,637419E+21	8,906720E+21	8,906874E+21	6,637834E+21	3,681591E+21	1,294886E+21	1,174936E+20	0,000000E+00	0,000000E+00	1,174782E+20	1,294898E+21
-1053	3,681698E+21	6,637990E+21	8,907008E+21	8,906865E+21	6,637612E+21	3,681361E+21	1,294701E+21	1,174184E+20	0,000000E+00	0,000000E+00	1,174587E+20	1,294851E+21
-1052	3,681543E+21	6,637714E+21	8,906764E+21	8,906998E+21	6,638061E+21	3,681737E+21	1,294917E+21	1,174512E+20	0,000000E+00	0,000000E+00	1,173933E+20	1,294652E+21
-1051	3,681438E+21	6,638115E+21	8,907575E+21	8,907506E+21	6,638080E+21	3,681517E+21	1,294711E+21	1,174166E+20	0,000000E+00	0,000000E+00	1,174373E+20	1,294859E+21
-1050	3,681758E+21	6,638331E+21	8,907607E+21	8,907472E+21	6,638069E+21	3,681535E+21	1,294686E+21	1,173686E+20	0,000000E+00	0,000000E+00	1,173864E+20	1,294703E+21
-1049	3,681468E+21	6,637950E+21	8,907492E+21	8,907780E+21	6,638489E+21	3,681813E+21	1,294855E+21	1,174236E+20	0,000000E+00	0,000000E+00	1,173739E+20	1,294676E+21
-1048	3,681672E+21	6,638507E+21	8,907939E+21	8,907840E+21	6,638227E+21	3,681470E+21	1,294592E+21	1,173621E+20	0,000000E+00	0,000000E+00	1,174236E+20	1,294863E+21
-1047	3,681790E+21	6,638346E+21	8,907497E+21	8,907464E+21	6,638246E+21	3,681684E+21	1,294757E+21	1,173799E+20	0,000000E+00	0,000000E+00	1,173656E+20	1,294650E+21
-1046	3,681442E+21	6,638049E+21	8,907606E+21	8,907703E+21	6,638373E+21	3,681755E+21	1,294842E+21	1,174393E+20	0,000000E+00	0,000000E+00	1,174129E+20	1,294761E+21
-1045	3,681727E+21	6,638373E+21	8,907652E+21	8,907451E+21	6,637894E+21	3,681384E+21	1,294648E+21	1,173922E+20	0,000000E+00	0,000000E+00	1,174470E+20	1,294849E+21
-1044	3,681578E+21	6,637800E+21	8,906811E+21	8,906956E+21	6,637966E+21	3,681671E+21	1,294914E+21	1,174684E+20	0,000000E+00	0,000000E+00	1,174298E+20	1,294699E+21
-1043	3,681279E+21	6,637602E+21	8,906910E+21	8,906937E+21	6,637775E+21	3,681496E+21	1,294834E+21	1,174857E+20	0,000000E+00	0,000000E+00	1,175092E+20	1,294952E+21
-1042	3,681610E+21	6,637661E+21	8,906515E+21	8,906339E+21	6,637280E+21	3,681302E+21	1,294779E+21	1,174670E+20	0,000000E+00	0,000000E+00	1,175129E+20	1,294922E+21
-1041	3,681342E+21	6,637038E+21	8,905838E+21	8,906047E+21	6,637403E+21	3,681568E+21	1,295041E+21	1,175524E+20	0,000000E+00	0,000000E+00	1,175078E+20	1,294827E+21
-1040	3,681326E+21	6,637302E+21	8,906133E+21	8,905980E+21	6,637024E+21	3,681204E+21	1,294827E+21	1,175250E+20	0,000000E+00	0,000000E+00	1,175709E+20	1,295049E+21
-1039	3,681495E+21	6,637162E+21	8,905669E+21	8,905508E+21	6,636847E+21	3,681278E+21	1,294939E+21	1,175400E+20	0,000000E+00	0,000000E+00	1,175358E+20	1,294871E+21
-1038	3,681098E+21	6,636675E+21	8,905590E+21	8,905819E+21	6,637186E+21	3,681476E+21	1,295069E+21	1,175931E+20	0,000000E+00	0,000000E+00	1,175465E+20	1,294909E+21
-1037	3,681360E+21	6,637170E+21	8,905922E+21	8,905817E+21	6,636888E+21	3,681136E+21	1,294812E+21	1,175284E+20	0,000000E+00	0,000000E+00	1,175798E+20	1,295059E+21
-1036	3,681436E+21	6,636981E+21	8,905469E+21	8,905551E+21	6,637084E+21	3,681441E+21	1,294996E+21	1,175407E+20	0,000000E+00	0,000000E+00	1,175107E+20	1,294822E+21
-1035	3,681160E+21	6,637007E+21	8,906051E+21	8,906134E+21	6,637314E+21	3,681435E+21	1,294937E+21	1,175400E+20	0,000000E+00	0,000000E+00	1,175257E+20	1,294948E+21
-1034	3,681577E+21	6,637576E+21	8,906388E+21	8,906212E+21	6,637165E+21	3,681234E+21	1,294757E+21	1,174662E+20	0,000000E+00	0,000000E+00	1,175091E+20	1,294903E+21
-1033	3,681397E+21	6,637298E+21	8,906225E+21	8,906423E+21	6,637644E+21	3,681604E+21	1,294971E+21	1,175014E+20	0,000000E+00	0,000000E+00	1,174425E+20	1,294712E+21
-1032	3,681310E+21	6,637649E+21	8,906923E+21	8,906905E+21	6,637713E+21	3,681418E+21	1,294765E+21	1,174647E+20	0,000000E+00	0,000000E+00	1,174896E+20	1,294927E+21
-1031	3,681634E+21	6,637829E+21	8,906833E+21	8,906717E+21	6,637614E+21	3,681432E+21	1,294758E+21	1,174225E+20	0,000000E+00	0,000000E+00	1,174423E+20	1,294791E+21
-1030	3,681376E+21	6,637483E+21	8,906742E+21	8,907035E+21	6,638038E+21	3,681710E+21	1,294933E+21	1,174822E+20	0,000000E+00	0,000000E+00	1,174299E+20	1,294748E+21
-1029	3,681565E+21	6,638033E+21	8,907187E+21	8,907083E+21	6,637762E+21	3,681369E+21	1,294682E+21	1,174244E+20	0,000000E+00	0,000000E+00	1,174813E+20	1,294935E+21
-1028	3,681699E+21	6,637918E+21	8,906748E+21	8,906588E+21	6,637645E+21	3,681521E+21	1,294837E+21	1,174451E+20	0,000000E+00	0,000000E+00	1,174307E+20	1,294726E+21
-1027	3,681283E+21	6,637507E+21	8,906845E+21	8,906916E+21	6,637800E+21	3,681572E+21	1,294914E+21	1,175035E+20	0,000000E+00	0,000000E+00	1,174790E+20	1,294835E+21
-1026	3,681544E+21	6,637751E+21	8,906775E+21	8,906632E+21	6,637381E+21	3,681244E+21	1,294723E+21	1,174582E+20	0,000000E+00	0,000000E+00	1,175210E+20	1,294952E+21
-1025	3,681421E+21	6,637203E+21	8,905946E+21	8,906073E+21	6,637399E+21	3,681526E+21	1,294995E+21	1,175345E+20	0,000000E+00	0,000000E+00	1,174991E+20	1,294803E+21
-1024	3,681171E+21	6,637032E+21	8,906004E+21	8,906035E+21	6,637214E+21	3,681360E+21	1,294916E+21	1,175486E+20	0,000000E+00	0,000000E+00	1,175718E+20	1,295026E+21
-1023	3,681472E+21	6,637105E+21	8,905604E+21	8,905370E+21	6,636655E+21	3,681154E+21	1,294879E+21	1,175376E+20	0,000000E+00	0,000000E+00	1,175749E+20	1,294988E+21
-1022	3,681183E+21	6,636500E+21	8,905037E+21	8,905218E+21	6,636849E+21	3,681425E+21	1,295138E+21	1,176253E+20	0,000000E+00	0,000000E+00	1,175685E+20	1,294879E+21
-1021	3,681130E+21	6,636700E+21	8,905323E+21	8,905236E+21	6,636551E+21	3,681086E+21	1,294923E+21	1,175965E+20	0,000000E+00	0,000000E+00	1,176353E+20	1,295126E+21

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°
-1020	3,681355E+21	6,636614E+21	8,904829E+21	8,904663E+21	6,636314E+21	3,681136E+21	1,295008E+21	1,176016E+20	0,000000E+00	0,000000E+00	1,176041E+20	1,294973E+21
-1019	3,680980E+21	6,636149E+21	8,904813E+21	8,905051E+21	6,636668E+21	3,681325E+21	1,295124E+21	1,176440E+20	0,000000E+00	0,000000E+00	1,176055E+20	1,294995E+21
-1018	3,681264E+21	6,636695E+21	8,905161E+21	8,905082E+21	6,636440E+21	3,681025E+21	1,294870E+21	1,175768E+20	0,000000E+00	0,000000E+00	1,176363E+20	1,295137E+21
-1017	3,681343E+21	6,636607E+21	8,904884E+21	8,904875E+21	6,636623E+21	3,681321E+21	1,295055E+21	1,175878E+20	0,000000E+00	0,000000E+00	1,175576E+20	1,294881E+21
-1016	3,681065E+21	6,636617E+21	8,905471E+21	8,905520E+21	6,636888E+21	3,681323E+21	1,294999E+21	1,175881E+20	0,000000E+00	0,000000E+00	1,175704E+20	1,294980E+21
-1015	3,681411E+21	6,637090E+21	8,905717E+21	8,905557E+21	6,636732E+21	3,681123E+21	1,294832E+21	1,175212E+20	0,000000E+00	0,000000E+00	1,175606E+20	1,294966E+21
-1014	3,681257E+21	6,636806E+21	8,905520E+21	8,905776E+21	6,637257E+21	3,681508E+21	1,295040E+21	1,175583E+20	0,000000E+00	0,000000E+00	1,174972E+20	1,294786E+21
-1013	3,681196E+21	6,637137E+21	8,906143E+21	8,906182E+21	6,637298E+21	3,681337E+21	1,294846E+21	1,175217E+20	0,000000E+00	0,000000E+00	1,175461E+20	1,295016E+21
-1012	3,681587E+21	6,637420E+21	8,906071E+21	8,905873E+21	6,637061E+21	3,681286E+21	1,294821E+21	1,174771E+20	0,000000E+00	0,000000E+00	1,175004E+20	1,294876E+21
-1011	3,681300E+21	6,637083E+21	8,906079E+21	8,906273E+21	6,637469E+21	3,681532E+21	1,294990E+21	1,175357E+20	0,000000E+00	0,000000E+00	1,174843E+20	1,294800E+21
-1010	3,681419E+21	6,637554E+21	8,906497E+21	8,906375E+21	6,637273E+21	3,681233E+21	1,294755E+21	1,174843E+20	0,000000E+00	0,000000E+00	1,175419E+20	1,294992E+21
-1009	3,681514E+21	6,637404E+21	8,906088E+21	8,905909E+21	6,637165E+21	3,681383E+21	1,294910E+21	1,175076E+20	0,000000E+00	0,000000E+00	1,174947E+20	1,294806E+21
-1008	3,681125E+21	6,636914E+21	8,906012E+21	8,906147E+21	6,637331E+21	3,681465E+21	1,294992E+21	1,175647E+20	0,000000E+00	0,000000E+00	1,175436E+20	1,294909E+21
-1007	3,681364E+21	6,637104E+21	8,905815E+21	8,905709E+21	6,636825E+21	3,681132E+21	1,294823E+21	1,175266E+20	0,000000E+00	0,000000E+00	1,175887E+20	1,295048E+21
-1006	3,681292E+21	6,636612E+21	8,905006E+21	8,905155E+21	6,636837E+21	3,681396E+21	1,295092E+21	1,176061E+20	0,000000E+00	0,000000E+00	1,175646E+20	1,294881E+21
-1005	3,681033E+21	6,636454E+21	8,905082E+21	8,905107E+21	6,636634E+21	3,681233E+21	1,295022E+21	1,176219E+20	0,000000E+00	0,000000E+00	1,176370E+20	1,295105E+21
-1004	3,681351E+21	6,636584E+21	8,904748E+21	8,904417E+21	6,635983E+21	3,680960E+21	1,294962E+21	1,176093E+20	0,000000E+00	0,000000E+00	1,176460E+20	1,295079E+21
-1003	3,681031E+21	6,635936E+21	8,904241E+21	8,904412E+21	6,636248E+21	3,681222E+21	1,295197E+21	1,176879E+20	0,000000E+00	0,000000E+00	1,176377E+20	1,294970E+21
-1002	3,680980E+21	6,636121E+21	8,904482E+21	8,904455E+21	6,636065E+21	3,680957E+21	1,294989E+21	1,176567E+20	0,000000E+00	0,000000E+00	1,177062E+20	1,295233E+21
-1001	3,681243E+21	6,636133E+21	8,904105E+21	8,903902E+21	6,635816E+21	3,681008E+21	1,295069E+21	1,176550E+20	0,000000E+00	0,000000E+00	1,176650E+20	1,295070E+21
-1000	3,680916E+21	6,635717E+21	8,904092E+21	8,904322E+21	6,636208E+21	3,681218E+21	1,295186E+21	1,176925E+20	0,000000E+00	0,000000E+00	1,176539E+20	1,295040E+21
-999	3,681133E+21	6,636252E+21	8,904455E+21	8,904339E+21	6,635962E+21	3,680923E+21	1,294955E+21	1,176323E+20	0,000000E+00	0,000000E+00	1,176827E+20	1,295176E+21
-998	3,681191E+21	6,636145E+21	8,904236E+21	8,904255E+21	6,636210E+21	3,681218E+21	1,295138E+21	1,176462E+20	0,000000E+00	0,000000E+00	1,176035E+20	1,294914E+21
-997	3,680892E+21	6,636095E+21	8,904763E+21	8,904905E+21	6,636519E+21	3,681246E+21	1,295084E+21	1,176466E+20	0,000000E+00	0,000000E+00	1,176228E+20	1,295047E+21
-996	3,681296E+21	6,636611E+21	8,904963E+21	8,904793E+21	6,636239E+21	3,680994E+21	1,294894E+21	1,175742E+20	0,000000E+00	0,000000E+00	1,176190E+20	1,295059E+21
-995	3,681170E+21	6,636356E+21	8,904820E+21	8,905060E+21	6,636744E+21	3,681350E+21	1,295084E+21	1,176038E+20	0,000000E+00	0,000000E+00	1,175519E+20	1,294869E+21
-994	3,681124E+21	6,636730E+21	8,905449E+21	8,905477E+21	6,636837E+21	3,681212E+21	1,294901E+21	1,175706E+20	0,000000E+00	0,000000E+00	1,176022E+20	1,295088E+21
-993	3,681496E+21	6,637074E+21	8,905508E+21	8,905191E+21	6,636564E+21	3,681145E+21	1,294881E+21	1,175296E+20	0,000000E+00	0,000000E+00	1,175529E+20	1,294938E+21
-992	3,681186E+21	6,636655E+21	8,905453E+21	8,905630E+21	6,637012E+21	3,681408E+21	1,295060E+21	1,175922E+20	0,000000E+00	0,000000E+00	1,175379E+20	1,294837E+21
-991	3,681208E+21	6,636966E+21	8,905704E+21	8,905642E+21	6,636805E+21	3,681125E+21	1,294851E+21	1,175518E+20	0,000000E+00	0,000000E+00	1,176049E+20	1,295064E+21
-990	3,681328E+21	6,636762E+21	8,905181E+21	8,905119E+21	6,636697E+21	3,681283E+21	1,295008E+21	1,175794E+20	0,000000E+00	0,000000E+00	1,175636E+20	1,294897E+21
-989	3,680974E+21	6,636266E+21	8,905007E+21	8,905223E+21	6,636796E+21	3,681369E+21	1,295100E+21	1,176360E+20	0,000000E+00	0,000000E+00	1,176143E+20	1,295015E+21
-988	3,681266E+21	6,636544E+21	8,904830E+21	8,904646E+21	6,636126E+21	3,680951E+21	1,294909E+21	1,175961E+20	0,000000E+00	0,000000E+00	1,176608E+20	1,295151E+21
-987	3,681184E+21	6,636096E+21	8,904159E+21	8,904208E+21	6,636131E+21	3,681175E+21	1,295157E+21	1,176701E+20	0,000000E+00	0,000000E+00	1,176325E+20	1,294960E+21
-986	3,680886E+21	6,635915E+21	8,904259E+21	8,904267E+21	6,636039E+21	3,681053E+21	1,295094E+21	1,176884E+20	0,000000E+00	0,000000E+00	1,177074E+20	1,295187E+21
-985	3,681188E+21	6,636067E+21	8,904020E+21	8,903663E+21	6,635450E+21	3,680795E+21	1,295026E+21	1,176726E+20	0,000000E+00	0,000000E+00	1,177147E+20	1,295177E+21

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°
-984	3,680910E+21	6,635405E+21	8,903454E+21	8,903671E+21	6,635780E+21	3,681104E+21	1,295262E+21	1,177437E+20	0,000000E+00	0,000000E+00	1,176989E+20	1,295044E+21
-983	3,680827E+21	6,635560E+21	8,903644E+21	8,903659E+21	6,635587E+21	3,680870E+21	1,295083E+21	1,177175E+20	0,000000E+00	0,000000E+00	1,177640E+20	1,295311E+21
-982	3,681128E+21	6,635637E+21	8,903324E+21	8,903180E+21	6,635383E+21	3,680923E+21	1,295161E+21	1,177154E+20	0,000000E+00	0,000000E+00	1,177167E+20	1,295122E+21
-981	3,680788E+21	6,635242E+21	8,903330E+21	8,903576E+21	6,635759E+21	3,681141E+21	1,295287E+21	1,177539E+20	0,000000E+00	0,000000E+00	1,177033E+20	1,295088E+21
-980	3,680989E+21	6,635780E+21	8,903732E+21	8,903571E+21	6,635423E+21	3,680773E+21	1,295030E+21	1,176917E+20	0,000000E+00	0,000000E+00	1,177376E+20	1,295240E+21
-979	3,681043E+21	6,635655E+21	8,903551E+21	8,903583E+21	6,635700E+21	3,681039E+21	1,295181E+21	1,176964E+20	0,000000E+00	0,000000E+00	1,176599E+20	1,294992E+21
-978	3,680770E+21	6,635604E+21	8,904007E+21	8,904202E+21	6,636075E+21	3,681122E+21	1,295136E+21	1,176966E+20	0,000000E+00	0,000000E+00	1,176829E+20	1,295141E+21
-977	3,681217E+21	6,636234E+21	8,904337E+21	8,904112E+21	6,635773E+21	3,680859E+21	1,294940E+21	1,176198E+20	0,000000E+00	0,000000E+00	1,176728E+20	1,295151E+21
-976	3,681134E+21	6,636021E+21	8,904207E+21	8,904405E+21	6,636296E+21	3,681223E+21	1,295131E+21	1,176480E+20	0,000000E+00	0,000000E+00	1,175976E+20	1,294910E+21
-975	3,680991E+21	6,636317E+21	8,904810E+21	8,904803E+21	6,636384E+21	3,681111E+21	1,294986E+21	1,176273E+20	0,000000E+00	0,000000E+00	1,176506E+20	1,295127E+21
-974	3,681328E+21	6,636583E+21	8,904841E+21	8,904602E+21	6,636168E+21	3,681044E+21	1,294969E+21	1,175935E+20	0,000000E+00	0,000000E+00	1,176068E+20	1,294980E+21
-973	3,680993E+21	6,636067E+21	8,904623E+21	8,904919E+21	6,636604E+21	3,681337E+21	1,295162E+21	1,176594E+20	0,000000E+00	0,000000E+00	1,176021E+20	1,294919E+21
-972	3,681044E+21	6,636355E+21	8,904770E+21	8,904734E+21	6,636233E+21	3,680989E+21	1,294936E+21	1,176173E+20	0,000000E+00	0,000000E+00	1,176757E+20	1,295174E+21
-971	3,681209E+21	6,636184E+21	8,904266E+21	8,904201E+21	6,636057E+21	3,681098E+21	1,295074E+21	1,176395E+20	0,000000E+00	0,000000E+00	1,176345E+20	1,295005E+21
-970	3,680881E+21	6,635743E+21	8,904086E+21	8,904275E+21	6,636176E+21	3,681205E+21	1,295176E+21	1,176992E+20	0,000000E+00	0,000000E+00	1,176849E+20	1,295111E+21
-969	3,681157E+21	6,636110E+21	8,904083E+21	8,903757E+21	6,635478E+21	3,680759E+21	1,294980E+21	1,176609E+20	0,000000E+00	0,000000E+00	1,177276E+20	1,295241E+21
-968	3,681065E+21	6,635612E+21	8,903412E+21	8,903427E+21	6,635560E+21	3,680995E+21	1,295221E+21	1,177332E+20	0,000000E+00	0,000000E+00	1,176961E+20	1,295021E+21
-967	3,680689E+21	6,635310E+21	8,903413E+21	8,903476E+21	6,635528E+21	3,680925E+21	1,295188E+21	1,177593E+20	0,000000E+00	0,000000E+00	1,177746E+20	1,295274E+21
-966	3,681022E+21	6,635442E+21	8,903121E+21	8,902901E+21	6,635003E+21	3,680701E+21	1,295127E+21	1,177445E+20	0,000000E+00	0,000000E+00	1,177803E+20	1,295259E+21
-965	3,680769E+21	6,634822E+21	8,902540E+21	8,902840E+21	6,635312E+21	3,681035E+21	1,295375E+21	1,178119E+20	0,000000E+00	0,000000E+00	1,177609E+20	1,295127E+21
-964	3,680703E+21	6,635041E+21	8,902780E+21	8,902740E+21	6,634987E+21	3,680729E+21	1,295176E+21	1,177829E+20	0,000000E+00	0,000000E+00	1,178222E+20	1,295375E+21
-963	3,680983E+21	6,635139E+21	8,902576E+21	8,902388E+21	6,634796E+21	3,680749E+21	1,295229E+21	1,177720E+20	0,000000E+00	0,000000E+00	1,177723E+20	1,295176E+21
-962	3,680627E+21	6,634740E+21	8,902586E+21	8,902860E+21	6,635273E+21	3,680996E+21	1,295349E+21	1,178092E+20	0,000000E+00	0,000000E+00	1,177618E+20	1,295155E+21
-961	3,680838E+21	6,635330E+21	8,903071E+21	8,902896E+21	6,634962E+21	3,680625E+21	1,295074E+21	1,177408E+20	0,000000E+00	0,000000E+00	1,177946E+20	1,295332E+21
-960	3,680961E+21	6,635232E+21	8,902885E+21	8,902940E+21	6,635280E+21	3,680912E+21	1,295215E+21	1,177375E+20	0,000000E+00	0,000000E+00	1,177096E+20	1,295062E+21
-959	3,680671E+21	6,635180E+21	8,903326E+21	8,903530E+21	6,635652E+21	3,681021E+21	1,295204E+21	1,177458E+20	0,000000E+00	0,000000E+00	1,177316E+20	1,295213E+21
-958	3,681138E+21	6,635842E+21	8,903693E+21	8,903514E+21	6,635401E+21	3,680773E+21	1,295018E+21	1,176738E+20	0,000000E+00	0,000000E+00	1,177180E+20	1,295195E+21
-957	3,681019E+21	6,635623E+21	8,903568E+21	8,903765E+21	6,635893E+21	3,681152E+21	1,295227E+21	1,177072E+20	0,000000E+00	0,000000E+00	1,176482E+20	1,294960E+21
-956	3,680829E+21	6,635827E+21	8,904098E+21	8,904074E+21	6,635874E+21	3,680973E+21	1,295069E+21	1,176896E+20	0,000000E+00	0,000000E+00	1,177095E+20	1,295193E+21
-955	3,681155E+21	6,636025E+21	8,904060E+21	8,903864E+21	6,635654E+21	3,680887E+21	1,295031E+21	1,176512E+20	0,000000E+00	0,000000E+00	1,176738E+20	1,295076E+21
-954	3,680860E+21	6,635500E+21	8,903705E+21	8,904051E+21	6,636080E+21	3,681207E+21	1,295235E+21	1,177197E+20	0,000000E+00	0,000000E+00	1,176741E+20	1,295030E+21
-953	3,680943E+21	6,635876E+21	8,903941E+21	8,903841E+21	6,635635E+21	3,680822E+21	1,295001E+21	1,176760E+20	0,000000E+00	0,000000E+00	1,177423E+20	1,295283E+21
-952	3,681145E+21	6,635744E+21	8,903474E+21	8,903339E+21	6,635456E+21	3,680914E+21	1,295133E+21	1,176979E+20	0,000000E+00	0,000000E+00	1,176938E+20	1,295066E+21
-951	3,680720E+21	6,635227E+21	8,903296E+21	8,903433E+21	6,635589E+21	3,681048E+21	1,295272E+21	1,177691E+20	0,000000E+00	0,000000E+00	1,177460E+20	1,295173E+21
-950	3,680972E+21	6,635527E+21	8,903282E+21	8,903046E+21	6,635003E+21	3,680631E+21	1,295081E+21	1,177367E+20	0,000000E+00	0,000000E+00	1,177917E+20	1,295302E+21
-949	3,680870E+21	6,634992E+21	8,902518E+21	8,902625E+21	6,635094E+21	3,680910E+21	1,295333E+21	1,178073E+20	0,000000E+00	0,000000E+00	1,177664E+20	1,295112E+21

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°
-948	3,680513E+21	6,634666E+21	8,902453E+21	8,902548E+21	6,634950E+21	3,680795E+21	1,295287E+21	1,178302E+20	0,000000E+00	0,000000E+00	1,178445E+20	1,295373E+21
-947	3,680890E+21	6,634860E+21	8,902221E+21	8,902019E+21	6,634413E+21	3,680542E+21	1,295202E+21	1,178064E+20	0,000000E+00	0,000000E+00	1,178486E+20	1,295352E+21
-946	3,680655E+21	6,634307E+21	8,901646E+21	8,901936E+21	6,634749E+21	3,680897E+21	1,295454E+21	1,178724E+20	0,000000E+00	0,000000E+00	1,178247E+20	1,295205E+21
-945	3,680569E+21	6,634604E+21	8,902079E+21	8,901939E+21	6,634414E+21	3,680558E+21	1,295239E+21	1,178399E+20	0,000000E+00	0,000000E+00	1,178798E+20	1,295449E+21
-944	3,680860E+21	6,634681E+21	8,901900E+21	8,901703E+21	6,634298E+21	3,680575E+21	1,295271E+21	1,178225E+20	0,000000E+00	0,000000E+00	1,178254E+20	1,295232E+21
-943	3,680461E+21	6,634220E+21	8,901847E+21	8,902161E+21	6,634829E+21	3,680874E+21	1,295415E+21	1,178639E+20	0,000000E+00	0,000000E+00	1,178170E+20	1,295241E+21
-942	3,680732E+21	6,634841E+21	8,902339E+21	8,902260E+21	6,634593E+21	3,680539E+21	1,295147E+21	1,177956E+20	0,000000E+00	0,000000E+00	1,178462E+20	1,295406E+21
-941	3,680886E+21	6,634830E+21	8,902190E+21	8,902255E+21	6,634884E+21	3,680842E+21	1,295296E+21	1,177900E+20	0,000000E+00	0,000000E+00	1,177594E+20	1,295133E+21
-940	3,680587E+21	6,634798E+21	8,902663E+21	8,902788E+21	6,635151E+21	3,680892E+21	1,295277E+21	1,178005E+20	0,000000E+00	0,000000E+00	1,177798E+20	1,295262E+21
-939	3,681013E+21	6,635428E+21	8,903090E+21	8,902873E+21	6,634918E+21	3,680623E+21	1,295079E+21	1,177259E+20	0,000000E+00	0,000000E+00	1,177697E+20	1,295240E+21
-938	3,680858E+21	6,635142E+21	8,902867E+21	8,903100E+21	6,635462E+21	3,681032E+21	1,295296E+21	1,177637E+20	0,000000E+00	0,000000E+00	1,177086E+20	1,295030E+21
-937	3,680664E+21	6,635333E+21	8,903385E+21	8,903357E+21	6,635404E+21	3,680840E+21	1,295129E+21	1,177438E+20	0,000000E+00	0,000000E+00	1,177714E+20	1,295286E+21
-936	3,681041E+21	6,635521E+21	8,903279E+21	8,903099E+21	6,635163E+21	3,680747E+21	1,295083E+21	1,177025E+20	0,000000E+00	0,000000E+00	1,177329E+20	1,295157E+21
-935	3,680736E+21	6,634985E+21	8,902867E+21	8,903199E+21	6,635547E+21	3,681080E+21	1,295320E+21	1,177810E+20	0,000000E+00	0,000000E+00	1,177348E+20	1,295118E+21
-934	3,680838E+21	6,635365E+21	8,903116E+21	8,903036E+21	6,635131E+21	3,680701E+21	1,295100E+21	1,177455E+20	0,000000E+00	0,000000E+00	1,177997E+20	1,295341E+21
-933	3,680997E+21	6,635233E+21	8,902679E+21	8,902521E+21	6,634922E+21	3,680795E+21	1,295242E+21	1,177724E+20	0,000000E+00	0,000000E+00	1,177587E+20	1,295137E+21
-932	3,680530E+21	6,634620E+21	8,902428E+21	8,902554E+21	6,634977E+21	3,680866E+21	1,295365E+21	1,178453E+20	0,000000E+00	0,000000E+00	1,178171E+20	1,295258E+21
-931	3,680781E+21	6,634863E+21	8,902349E+21	8,902171E+21	6,634425E+21	3,680467E+21	1,295161E+21	1,178076E+20	0,000000E+00	0,000000E+00	1,178693E+20	1,295410E+21
-930	3,680722E+21	6,634365E+21	8,901527E+21	8,901677E+21	6,634527E+21	3,680780E+21	1,295420E+21	1,178753E+20	0,000000E+00	0,000000E+00	1,178450E+20	1,295230E+21
-929	3,680404E+21	6,634154E+21	8,901581E+21	8,901610E+21	6,634334E+21	3,680632E+21	1,295361E+21	1,178922E+20	0,000000E+00	0,000000E+00	1,179117E+20	1,295472E+21
-928	3,680798E+21	6,634397E+21	8,901430E+21	8,901164E+21	6,633836E+21	3,680373E+21	1,295260E+21	1,178626E+20	0,000000E+00	0,000000E+00	1,179051E+20	1,295403E+21
-927	3,680489E+21	6,633799E+21	8,900891E+21	8,901140E+21	6,634213E+21	3,680753E+21	1,295535E+21	1,179336E+20	0,000000E+00	0,000000E+00	1,178794E+20	1,295264E+21
-926	3,680401E+21	6,634041E+21	8,901326E+21	8,901291E+21	6,634004E+21	3,680445E+21	1,295320E+21	1,179027E+20	0,000000E+00	0,000000E+00	1,179323E+20	1,295503E+21
-925	3,680705E+21	6,634158E+21	8,901147E+21	8,901016E+21	6,633903E+21	3,680497E+21	1,295354E+21	1,178798E+20	0,000000E+00	0,000000E+00	1,178820E+20	1,295317E+21
-924	3,680344E+21	6,633723E+21	8,901092E+21	8,901395E+21	6,634330E+21	3,680744E+21	1,295484E+21	1,179183E+20	0,000000E+00	0,000000E+00	1,178711E+20	1,295325E+21
-923	3,680657E+21	6,634421E+21	8,901658E+21	8,901558E+21	6,634124E+21	3,680414E+21	1,295207E+21	1,178445E+20	0,000000E+00	0,000000E+00	1,178994E+20	1,295477E+21
-922	3,680810E+21	6,634468E+21	8,901546E+21	8,901549E+21	6,634436E+21	3,680733E+21	1,295362E+21	1,178404E+20	0,000000E+00	0,000000E+00	1,178119E+20	1,295191E+21
-921	3,680476E+21	6,634454E+21	8,902123E+21	8,902150E+21	6,634681E+21	3,680750E+21	1,295333E+21	1,178509E+20	0,000000E+00	0,000000E+00	1,178301E+20	1,295317E+21
-920	3,680878E+21	6,634989E+21	8,902482E+21	8,902284E+21	6,634505E+21	3,680478E+21	1,295119E+21	1,177743E+20	0,000000E+00	0,000000E+00	1,178209E+20	1,295290E+21
-919	3,680681E+21	6,634596E+21	8,902103E+21	8,902384E+21	6,635038E+21	3,680931E+21	1,295371E+21	1,178210E+20	0,000000E+00	0,000000E+00	1,177674E+20	1,295119E+21
-918	3,680540E+21	6,634760E+21	8,902561E+21	8,902637E+21	6,634992E+21	3,680755E+21	1,295219E+21	1,178058E+20	0,000000E+00	0,000000E+00	1,178282E+20	1,295363E+21
-917	3,680938E+21	6,635032E+21	8,902460E+21	8,902265E+21	6,634660E+21	3,680650E+21	1,295182E+21	1,177674E+20	0,000000E+00	0,000000E+00	1,177933E+20	1,295239E+21
-916	3,680610E+21	6,634475E+21	8,902043E+21	8,902278E+21	6,634912E+21	3,680904E+21	1,295408E+21	1,178498E+20	0,000000E+00	0,000000E+00	1,177965E+20	1,295186E+21
-915	3,680686E+21	6,634826E+21	8,902330E+21	8,902199E+21	6,634528E+21	3,680520E+21	1,295177E+21	1,178132E+20	0,000000E+00	0,000000E+00	1,178684E+20	1,295416E+21
-914	3,680823E+21	6,634640E+21	8,901802E+21	8,901663E+21	6,634368E+21	3,680638E+21	1,295319E+21	1,178421E+20	0,000000E+00	0,000000E+00	1,178355E+20	1,295235E+21
-913	3,680374E+21	6,634053E+21	8,901562E+21	8,901678E+21	6,634406E+21	3,680705E+21	1,295431E+21	1,179087E+20	0,000000E+00	0,000000E+00	1,178910E+20	1,295372E+21

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°
-912	3,680670E+21	6,634304E+21	8,901472E+21	8,901306E+21	6,633871E+21	3,680308E+21	1,295222E+21	1,178671E+20	0,000000E+00	0,000000E+00	1,179364E+20	1,295499E+21
-911	3,680587E+21	6,633806E+21	8,900641E+21	8,900769E+21	6,633969E+21	3,680656E+21	1,295513E+21	1,179401E+20	0,000000E+00	0,000000E+00	1,179095E+20	1,295319E+21
-910	3,680280E+21	6,633601E+21	8,900754E+21	8,900810E+21	6,633830E+21	3,680521E+21	1,295463E+21	1,179611E+20	0,000000E+00	0,000000E+00	1,179669E+20	1,295519E+21
-909	3,680631E+21	6,633875E+21	8,900658E+21	8,900374E+21	6,633325E+21	3,680262E+21	1,295364E+21	1,179314E+20	0,000000E+00	0,000000E+00	1,179652E+20	1,295468E+21
-908	3,680302E+21	6,633210E+21	8,900068E+21	8,900313E+21	6,633649E+21	3,680585E+21	1,295612E+21	1,179995E+20	0,000000E+00	0,000000E+00	1,179406E+20	1,295344E+21
-907	3,680258E+21	6,633473E+21	8,900497E+21	8,900492E+21	6,633496E+21	3,680307E+21	1,295385E+21	1,179613E+20	0,000000E+00	0,000000E+00	1,179966E+20	1,295598E+21
-906	3,680612E+21	6,633672E+21	8,900350E+21	8,900221E+21	6,633417E+21	3,680379E+21	1,295420E+21	1,179345E+20	0,000000E+00	0,000000E+00	1,179438E+20	1,295412E+21
-905	3,680290E+21	6,633376E+21	8,900457E+21	8,900663E+21	6,633820E+21	3,680594E+21	1,295534E+21	1,179666E+20	0,000000E+00	0,000000E+00	1,179226E+20	1,295397E+21
-904	3,680587E+21	6,634080E+21	8,901097E+21	8,900933E+21	6,633683E+21	3,680275E+21	1,295251E+21	1,178901E+20	0,000000E+00	0,000000E+00	1,179430E+20	1,295503E+21
-903	3,680648E+21	6,634041E+21	8,900978E+21	8,900959E+21	6,634037E+21	3,680630E+21	1,295433E+21	1,178926E+20	0,000000E+00	0,000000E+00	1,178600E+20	1,295240E+21
-902	3,680312E+21	6,633915E+21	8,901448E+21	8,901602E+21	6,634358E+21	3,680679E+21	1,295414E+21	1,179083E+20	0,000000E+00	0,000000E+00	1,178786E+20	1,295358E+21
-901	3,680707E+21	6,634451E+21	8,901733E+21	8,901606E+21	6,634132E+21	3,680424E+21	1,295208E+21	1,178311E+20	0,000000E+00	0,000000E+00	1,178782E+20	1,295373E+21
-900	3,680550E+21	6,634051E+21	8,901274E+21	8,901538E+21	6,634490E+21	3,680791E+21	1,295446E+21	1,178800E+20	0,000000E+00	0,000000E+00	1,178270E+20	1,295211E+21
-899	3,680454E+21	6,634260E+21	8,901726E+21	8,901762E+21	6,634429E+21	3,680612E+21	1,295292E+21	1,178643E+20	0,000000E+00	0,000000E+00	1,178910E+20	1,295445E+21
-898	3,680843E+21	6,634570E+21	8,901669E+21	8,901392E+21	6,634081E+21	3,680497E+21	1,295259E+21	1,178311E+20	0,000000E+00	0,000000E+00	1,178598E+20	1,295322E+21
-897	3,680494E+21	6,634035E+21	8,901340E+21	8,901467E+21	6,634295E+21	3,680700E+21	1,295465E+21	1,179120E+20	0,000000E+00	0,000000E+00	1,178636E+20	1,295271E+21
-896	3,680545E+21	6,634291E+21	8,901555E+21	8,901432E+21	6,633998E+21	3,680340E+21	1,295229E+21	1,178741E+20	0,000000E+00	0,000000E+00	1,179354E+20	1,295494E+21
-895	3,680649E+21	6,634032E+21	8,900927E+21	8,900813E+21	6,633850E+21	3,680517E+21	1,295405E+21	1,179091E+20	0,000000E+00	0,000000E+00	1,179083E+20	1,295346E+21
-894	3,680249E+21	6,633427E+21	8,900642E+21	8,900850E+21	6,633918E+21	3,680611E+21	1,295535E+21	1,179788E+20	0,000000E+00	0,000000E+00	1,179548E+20	1,295446E+21
-893	3,680535E+21	6,633759E+21	8,900597E+21	8,900421E+21	6,633340E+21	3,680217E+21	1,295336E+21	1,179389E+20	0,000000E+00	0,000000E+00	1,180005E+20	1,295571E+21
-892	3,680419E+21	6,633225E+21	8,899770E+21	8,899826E+21	6,633321E+21	3,680490E+21	1,295613E+21	1,180128E+20	0,000000E+00	0,000000E+00	1,179715E+20	1,295381E+21
-891	3,680104E+21	6,632999E+21	8,899898E+21	8,899951E+21	6,633247E+21	3,680366E+21	1,295551E+21	1,180301E+20	0,000000E+00	0,000000E+00	1,180324E+20	1,295585E+21
-890	3,680450E+21	6,633272E+21	8,899781E+21	8,899533E+21	6,632794E+21	3,680122E+21	1,295441E+21	1,179967E+20	0,000000E+00	0,000000E+00	1,180350E+20	1,295563E+21
-889	3,680181E+21	6,632712E+21	8,899284E+21	8,899503E+21	6,633099E+21	3,680418E+21	1,295659E+21	1,180526E+20	0,000000E+00	0,000000E+00	1,180041E+20	1,295450E+21
-888	3,680196E+21	6,633042E+21	8,899783E+21	8,899766E+21	6,633012E+21	3,680157E+21	1,295425E+21	1,180084E+20	0,000000E+00	0,000000E+00	1,180505E+20	1,295671E+21
-887	3,680526E+21	6,633270E+21	8,899686E+21	8,899526E+21	6,632977E+21	3,680276E+21	1,295488E+21	1,179845E+20	0,000000E+00	0,000000E+00	1,179939E+20	1,295479E+21
-886	3,680199E+21	6,632971E+21	8,899876E+21	8,900105E+21	6,633451E+21	3,680516E+21	1,295616E+21	1,180212E+20	0,000000E+00	0,000000E+00	1,179641E+20	1,295418E+21
-885	3,680432E+21	6,633656E+21	8,900520E+21	8,900367E+21	6,633313E+21	3,680202E+21	1,295338E+21	1,179469E+20	0,000000E+00	0,000000E+00	1,179918E+20	1,295543E+21
-884	3,680452E+21	6,633482E+21	8,900243E+21	8,900264E+21	6,633573E+21	3,680506E+21	1,295505E+21	1,179501E+20	0,000000E+00	0,000000E+00	1,179150E+20	1,295314E+21
-883	3,680176E+21	6,633353E+21	8,900616E+21	8,900827E+21	6,633897E+21	3,680576E+21	1,295483E+21	1,179629E+20	0,000000E+00	0,000000E+00	1,179412E+20	1,295448E+21
-882	3,680609E+21	6,633949E+21	8,900894E+21	8,900754E+21	6,633608E+21	3,680304E+21	1,295280E+21	1,178870E+20	0,000000E+00	0,000000E+00	1,179420E+20	1,295473E+21
-881	3,680501E+21	6,633679E+21	8,900557E+21	8,900699E+21	6,633886E+21	3,680603E+21	1,295493E+21	1,179324E+20	0,000000E+00	0,000000E+00	1,178860E+20	1,295295E+21
-880	3,680383E+21	6,633878E+21	8,901069E+21	8,901012E+21	6,633868E+21	3,680423E+21	1,295339E+21	1,179184E+20	0,000000E+00	0,000000E+00	1,179456E+20	1,295492E+21
-879	3,680678E+21	6,634073E+21	8,900973E+21	8,900681E+21	6,633579E+21	3,680352E+21	1,295334E+21	1,178941E+20	0,000000E+00	0,000000E+00	1,179222E+20	1,295396E+21
-878	3,680325E+21	6,633436E+21	8,900562E+21	8,900799E+21	6,633873E+21	3,680601E+21	1,295555E+21	1,179792E+20	0,000000E+00	0,000000E+00	1,179254E+20	1,295334E+21
-877	3,680364E+21	6,633692E+21	8,900702E+21	8,900640E+21	6,633538E+21	3,680272E+21	1,295338E+21	1,179437E+20	0,000000E+00	0,000000E+00	1,180035E+20	1,295582E+21

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°
-876	3,680480E+21	6,633388E+21	8,899974E+21	8,899876E+21	6,633249E+21	3,680384E+21	1,295509E+21	1,179818E+20	0,000000E+00	0,000000E+00	1,179781E+20	1,295441E+21
-875	3,680127E+21	6,632829E+21	8,899667E+21	8,899869E+21	6,633318E+21	3,680487E+21	1,295637E+21	1,180501E+20	0,000000E+00	0,000000E+00	1,180248E+20	1,295522E+21
-874	3,680375E+21	6,633183E+21	8,899686E+21	8,899460E+21	6,632709E+21	3,680069E+21	1,295438E+21	1,180132E+20	0,000000E+00	0,000000E+00	1,180718E+20	1,295655E+21
-873	3,680271E+21	6,632692E+21	8,898946E+21	8,898939E+21	6,632659E+21	3,680270E+21	1,295675E+21	1,180788E+20	0,000000E+00	0,000000E+00	1,180415E+20	1,295476E+21
-872	3,679964E+21	6,632429E+21	8,899050E+21	8,899132E+21	6,632682E+21	3,680173E+21	1,295597E+21	1,180893E+20	0,000000E+00	0,000000E+00	1,180978E+20	1,295672E+21
-871	3,680310E+21	6,632719E+21	8,898946E+21	8,898727E+21	6,632290E+21	3,679996E+21	1,295510E+21	1,180551E+20	0,000000E+00	0,000000E+00	1,181008E+20	1,295675E+21
-870	3,680110E+21	6,632231E+21	8,898536E+21	8,898802E+21	6,632654E+21	3,680317E+21	1,295736E+21	1,181089E+20	0,000000E+00	0,000000E+00	1,180556E+20	1,295511E+21
-869	3,680103E+21	6,632655E+21	8,899134E+21	8,899085E+21	6,632592E+21	3,680087E+21	1,295517E+21	1,180654E+20	0,000000E+00	0,000000E+00	1,180995E+20	1,295716E+21
-868	3,680375E+21	6,632817E+21	8,899048E+21	8,898850E+21	6,632488E+21	3,680147E+21	1,295565E+21	1,180415E+20	0,000000E+00	0,000000E+00	1,180416E+20	1,295519E+21
-867	3,680043E+21	6,632471E+21	8,899170E+21	8,899445E+21	6,633029E+21	3,680415E+21	1,295688E+21	1,180766E+20	0,000000E+00	0,000000E+00	1,180173E+20	1,295462E+21
-866	3,680247E+21	6,633115E+21	8,899757E+21	8,899674E+21	6,632898E+21	3,680110E+21	1,295410E+21	1,180013E+20	0,000000E+00	0,000000E+00	1,180503E+20	1,295623E+21
-865	3,680344E+21	6,633027E+21	8,899513E+21	8,899517E+21	6,633055E+21	3,680350E+21	1,295547E+21	1,179966E+20	0,000000E+00	0,000000E+00	1,179729E+20	1,295413E+21
-864	3,680122E+21	6,632943E+21	8,899891E+21	8,900085E+21	6,633392E+21	3,680419E+21	1,295523E+21	1,180079E+20	0,000000E+00	0,000000E+00	1,179939E+20	1,295521E+21
-863	3,680524E+21	6,633557E+21	8,900209E+21	8,900015E+21	6,633120E+21	3,680182E+21	1,295348E+21	1,179393E+20	0,000000E+00	0,000000E+00	1,179966E+20	1,295550E+21
-862	3,680408E+21	6,633265E+21	8,899940E+21	8,900069E+21	6,633428E+21	3,680480E+21	1,295570E+21	1,179919E+20	0,000000E+00	0,000000E+00	1,179366E+20	1,295334E+21
-861	3,680222E+21	6,633409E+21	8,900412E+21	8,900371E+21	6,633428E+21	3,680318E+21	1,295432E+21	1,179840E+20	0,000000E+00	0,000000E+00	1,180056E+20	1,295551E+21
-860	3,680469E+21	6,633441E+21	8,900123E+21	8,899897E+21	6,633057E+21	3,680214E+21	1,295421E+21	1,179645E+20	0,000000E+00	0,000000E+00	1,179904E+20	1,295487E+21
-859	3,680175E+21	6,632798E+21	8,899587E+21	8,899888E+21	6,633343E+21	3,680502E+21	1,295654E+21	1,180494E+20	0,000000E+00	0,000000E+00	1,180001E+20	1,295431E+21
-858	3,680216E+21	6,633079E+21	8,899719E+21	8,899665E+21	6,632941E+21	3,680154E+21	1,295446E+21	1,180169E+20	0,000000E+00	0,000000E+00	1,180774E+20	1,295683E+21
-857	3,680373E+21	6,632874E+21	8,899079E+21	8,898898E+21	6,632559E+21	3,680186E+21	1,295586E+21	1,180495E+20	0,000000E+00	0,000000E+00	1,180495E+20	1,295536E+21
-856	3,680007E+21	6,632310E+21	8,898816E+21	8,898970E+21	6,632674E+21	3,680281E+21	1,295702E+21	1,181142E+20	0,000000E+00	0,000000E+00	1,180901E+20	1,295589E+21
-855	3,680188E+21	6,632588E+21	8,898822E+21	8,898613E+21	6,632139E+21	3,679906E+21	1,295516E+21	1,180803E+20	0,000000E+00	0,000000E+00	1,181410E+20	1,295748E+21
-854	3,680114E+21	6,632088E+21	8,898110E+21	8,898191E+21	6,632172E+21	3,680139E+21	1,295749E+21	1,181420E+20	0,000000E+00	0,000000E+00	1,181036E+20	1,295555E+21
-853	3,679832E+21	6,631913E+21	8,898259E+21	8,898362E+21	6,632200E+21	3,680071E+21	1,295685E+21	1,181510E+20	0,000000E+00	0,000000E+00	1,181591E+20	1,295757E+21
-852	3,680179E+21	6,632182E+21	8,898124E+21	8,897917E+21	6,631759E+21	3,679865E+21	1,295594E+21	1,181169E+20	0,000000E+00	0,000000E+00	1,181580E+20	1,295752E+21
-851	3,680019E+21	6,631784E+21	8,897775E+21	8,898024E+21	6,632182E+21	3,680225E+21	1,295821E+21	1,181672E+20	0,000000E+00	0,000000E+00	1,181103E+20	1,295561E+21
-850	3,679953E+21	6,632207E+21	8,898451E+21	8,898366E+21	6,632114E+21	3,679985E+21	1,295609E+21	1,181265E+20	0,000000E+00	0,000000E+00	1,181535E+20	1,295767E+21
-849	3,680229E+21	6,632366E+21	8,898390E+21	8,898184E+21	6,631989E+21	3,679979E+21	1,295614E+21	1,180932E+20	0,000000E+00	0,000000E+00	1,180974E+20	1,295591E+21
-848	3,679917E+21	6,631987E+21	8,898430E+21	8,898765E+21	6,632582E+21	3,680263E+21	1,295725E+21	1,181232E+20	0,000000E+00	0,000000E+00	1,180715E+20	1,295536E+21
-847	3,680115E+21	6,632615E+21	8,898991E+21	8,898953E+21	6,632458E+21	3,680003E+21	1,295471E+21	1,180501E+20	0,000000E+00	0,000000E+00	1,181068E+20	1,295719E+21
-846	3,680274E+21	6,632603E+21	8,898840E+21	8,898863E+21	6,632617E+21	3,680236E+21	1,295613E+21	1,180476E+20	0,000000E+00	0,000000E+00	1,180202E+20	1,295471E+21
-845	3,680035E+21	6,632592E+21	8,899284E+21	8,899414E+21	6,632937E+21	3,680317E+21	1,295609E+21	1,180649E+20	0,000000E+00	0,000000E+00	1,180438E+20	1,295566E+21
-844	3,680360E+21	6,633080E+21	8,899534E+21	8,899317E+21	6,632612E+21	3,680041E+21	1,295432E+21	1,180030E+20	0,000000E+00	0,000000E+00	1,180505E+20	1,295604E+21
-843	3,680247E+21	6,632732E+21	8,899157E+21	8,899339E+21	6,632977E+21	3,680373E+21	1,295653E+21	1,180566E+20	0,000000E+00	0,000000E+00	1,180013E+20	1,295399E+21
-842	3,680027E+21	6,632802E+21	8,899541E+21	8,899566E+21	6,632946E+21	3,680222E+21	1,295528E+21	1,180514E+20	0,000000E+00	0,000000E+00	1,180758E+20	1,295649E+21
-841	3,680345E+21	6,632886E+21	8,899234E+21	8,899019E+21	6,632461E+21	3,680043E+21	1,295487E+21	1,180263E+20	0,000000E+00	0,000000E+00	1,180638E+20	1,295606E+21

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°
-840	3,680091E+21	6,632273E+21	8,898662E+21	8,898967E+21	6,632742E+21	3,680328E+21	1,295721E+21	1,181099E+20	0,000000E+00	0,000000E+00	1,180679E+20	1,295521E+21
-839	3,680082E+21	6,632547E+21	8,898847E+21	8,898756E+21	6,632348E+21	3,680011E+21	1,295537E+21	1,180837E+20	0,000000E+00	0,000000E+00	1,181450E+20	1,295774E+21
-838	3,680235E+21	6,632342E+21	8,898296E+21	8,898095E+21	6,631973E+21	3,680022E+21	1,295676E+21	1,181200E+20	0,000000E+00	0,000000E+00	1,181119E+20	1,295596E+21
-837	3,679826E+21	6,631749E+21	8,897999E+21	8,898165E+21	6,632131E+21	3,680137E+21	1,295796E+21	1,181854E+20	0,000000E+00	0,000000E+00	1,181568E+20	1,295665E+21
-836	3,679982E+21	6,631921E+21	8,897881E+21	8,897731E+21	6,631569E+21	3,679752E+21	1,295601E+21	1,181516E+20	0,000000E+00	0,000000E+00	1,182103E+20	1,295851E+21
-835	3,679997E+21	6,631507E+21	8,897156E+21	8,897271E+21	6,631635E+21	3,680026E+21	1,295835E+21	1,182077E+20	0,000000E+00	0,000000E+00	1,181722E+20	1,295646E+21
-834	3,679714E+21	6,631402E+21	8,897413E+21	8,897500E+21	6,631662E+21	3,679959E+21	1,295783E+21	1,182172E+20	0,000000E+00	0,000000E+00	1,182207E+20	1,295837E+21
-833	3,680090E+21	6,631766E+21	8,897412E+21	8,897138E+21	6,631190E+21	3,679690E+21	1,295658E+21	1,181748E+20	0,000000E+00	0,000000E+00	1,182153E+20	1,295816E+21
-832	3,679895E+21	6,631352E+21	8,897109E+21	8,897344E+21	6,631688E+21	3,680060E+21	1,295874E+21	1,182192E+20	0,000000E+00	0,000000E+00	1,181616E+20	1,295603E+21
-831	3,679760E+21	6,631686E+21	8,897757E+21	8,897730E+21	6,631707E+21	3,679877E+21	1,295674E+21	1,181793E+20	0,000000E+00	0,000000E+00	1,182079E+20	1,295835E+21
-830	3,680073E+21	6,631849E+21	8,897704E+21	8,897583E+21	6,631611E+21	3,679883E+21	1,295675E+21	1,181418E+20	0,000000E+00	0,000000E+00	1,181471E+20	1,295657E+21
-829	3,679808E+21	6,631555E+21	8,897741E+21	8,898094E+21	6,632177E+21	3,680179E+21	1,295797E+21	1,181728E+20	0,000000E+00	0,000000E+00	1,181226E+20	1,295610E+21
-828	3,680005E+21	6,632145E+21	8,898239E+21	8,898211E+21	6,631984E+21	3,679884E+21	1,295544E+21	1,181041E+20	0,000000E+00	0,000000E+00	1,181573E+20	1,295794E+21
-827	3,680204E+21	6,632216E+21	8,898135E+21	8,898112E+21	6,632155E+21	3,680133E+21	1,295689E+21	1,181042E+20	0,000000E+00	0,000000E+00	1,180740E+20	1,295527E+21
-826	3,679898E+21	6,632160E+21	8,898632E+21	8,898712E+21	6,632445E+21	3,680190E+21	1,295696E+21	1,181285E+20	0,000000E+00	0,000000E+00	1,181019E+20	1,295632E+21
-825	3,680222E+21	6,632594E+21	8,898819E+21	8,898610E+21	6,632090E+21	3,679858E+21	1,295486E+21	1,180618E+20	0,000000E+00	0,000000E+00	1,181157E+20	1,295696E+21
-824	3,680125E+21	6,632212E+21	8,898336E+21	8,898559E+21	6,632469E+21	3,680212E+21	1,295705E+21	1,181125E+20	0,000000E+00	0,000000E+00	1,180690E+20	1,295498E+21
-823	3,679892E+21	6,632240E+21	8,898657E+21	8,898704E+21	6,632423E+21	3,680105E+21	1,295610E+21	1,181123E+20	0,000000E+00	0,000000E+00	1,181437E+20	1,295753E+21
-822	3,680238E+21	6,632373E+21	8,898420E+21	8,898200E+21	6,631925E+21	3,679911E+21	1,295575E+21	1,180909E+20	0,000000E+00	0,000000E+00	1,181247E+20	1,295676E+21
-821	3,679965E+21	6,631811E+21	8,897882E+21	8,898115E+21	6,632172E+21	3,680191E+21	1,295821E+21	1,181793E+20	0,000000E+00	0,000000E+00	1,181301E+20	1,295578E+21
-820	3,679868E+21	6,631908E+21	8,897953E+21	8,897874E+21	6,631741E+21	3,679842E+21	1,295636E+21	1,181596E+20	0,000000E+00	0,000000E+00	1,182097E+20	1,295842E+21
-819	3,680045E+21	6,631697E+21	8,897340E+21	8,897196E+21	6,631431E+21	3,679889E+21	1,295767E+21	1,181941E+20	0,000000E+00	0,000000E+00	1,181842E+20	1,295677E+21
-818	3,679630E+21	6,631103E+21	8,897055E+21	8,897249E+21	6,631557E+21	3,680005E+21	1,295895E+21	1,182584E+20	0,000000E+00	0,000000E+00	1,182287E+20	1,295771E+21
-817	3,679868E+21	6,631361E+21	8,896978E+21	8,896822E+21	6,630955E+21	3,679572E+21	1,295671E+21	1,182159E+20	0,000000E+00	0,000000E+00	1,182812E+20	1,295961E+21
-816	3,679922E+21	6,631039E+21	8,896328E+21	8,896415E+21	6,631072E+21	3,679857E+21	1,295895E+21	1,182644E+20	0,000000E+00	0,000000E+00	1,182349E+20	1,295725E+21
-815	3,679589E+21	6,630935E+21	8,896675E+21	8,896724E+21	6,631155E+21	3,679838E+21	1,295864E+21	1,182767E+20	0,000000E+00	0,000000E+00	1,182782E+20	1,295903E+21
-814	3,679943E+21	6,631296E+21	8,896785E+21	8,896521E+21	6,630747E+21	3,679563E+21	1,295731E+21	1,182329E+20	0,000000E+00	0,000000E+00	1,182670E+20	1,295861E+21
-813	3,679726E+21	6,630865E+21	8,896431E+21	8,896703E+21	6,631283E+21	3,679953E+21	1,295947E+21	1,182749E+20	0,000000E+00	0,000000E+00	1,182160E+20	1,295666E+21
-812	3,679570E+21	6,631075E+21	8,896923E+21	8,896982E+21	6,631262E+21	3,679770E+21	1,295748E+21	1,182361E+20	0,000000E+00	0,000000E+00	1,182632E+20	1,295921E+21
-811	3,679980E+21	6,631358E+21	8,896876E+21	8,896777E+21	6,631162E+21	3,679795E+21	1,295748E+21	1,181958E+20	0,000000E+00	0,000000E+00	1,182032E+20	1,295736E+21
-810	3,679720E+21	6,631144E+21	8,897033E+21	8,897317E+21	6,631679E+21	3,680065E+21	1,295880E+21	1,182297E+20	0,000000E+00	0,000000E+00	1,181755E+20	1,295685E+21
-809	3,679946E+21	6,631793E+21	8,897619E+21	8,897490E+21	6,631448E+21	3,679708E+21	1,295597E+21	1,181568E+20	0,000000E+00	0,000000E+00	1,182112E+20	1,295861E+21
-808	3,680109E+21	6,631829E+21	8,897519E+21	8,897459E+21	6,631674E+21	3,679957E+21	1,295731E+21	1,181544E+20	0,000000E+00	0,000000E+00	1,181282E+20	1,295584E+21
-807	3,679734E+21	6,631663E+21	8,897946E+21	8,898068E+21	6,632036E+21	3,680076E+21	1,295758E+21	1,181824E+20	0,000000E+00	0,000000E+00	1,181609E+20	1,295710E+21
-806	3,680076E+21	6,632080E+21	8,898123E+21	8,897958E+21	6,631671E+21	3,679750E+21	1,295554E+21	1,181173E+20	0,000000E+00	0,000000E+00	1,181726E+20	1,295769E+21
-805	3,680000E+21	6,631722E+21	8,897568E+21	8,897789E+21	6,631999E+21	3,680114E+21	1,295794E+21	1,181729E+20	0,000000E+00	0,000000E+00	1,181298E+20	1,295574E+21

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°
-804	3,679732E+21	6,631648E+21	8,897763E+21	8,897829E+21	6,631885E+21	3,679986E+21	1,295710E+21	1,181804E+20	0,000000E+00	0,000000E+00	1,182042E+20	1,295825E+21
-803	3,680103E+21	6,631838E+21	8,897529E+21	8,897268E+21	6,631364E+21	3,679795E+21	1,295680E+21	1,181648E+20	0,000000E+00	0,000000E+00	1,181911E+20	1,295740E+21
-802	3,679772E+21	6,631220E+21	8,897024E+21	8,897215E+21	6,631561E+21	3,680034E+21	1,295928E+21	1,182574E+20	0,000000E+00	0,000000E+00	1,182005E+20	1,295664E+21
-801	3,679706E+21	6,631278E+21	8,897023E+21	8,896958E+21	6,631105E+21	3,679630E+21	1,295703E+21	1,182309E+20	0,000000E+00	0,000000E+00	1,182861E+20	1,295955E+21
-800	3,679917E+21	6,631093E+21	8,896386E+21	8,896256E+21	6,630814E+21	3,679691E+21	1,295824E+21	1,182577E+20	0,000000E+00	0,000000E+00	1,182601E+20	1,295791E+21
-799	3,679512E+21	6,630536E+21	8,896152E+21	8,896341E+21	6,630982E+21	3,679858E+21	1,295971E+21	1,183215E+20	0,000000E+00	0,000000E+00	1,182989E+20	1,295877E+21
-798	3,679770E+21	6,630887E+21	8,896232E+21	8,896035E+21	6,630429E+21	3,679436E+21	1,295752E+21	1,182791E+20	0,000000E+00	0,000000E+00	1,183406E+20	1,296026E+21
-797	3,679797E+21	6,630611E+21	8,895659E+21	8,895680E+21	6,630582E+21	3,679741E+21	1,295984E+21	1,183263E+20	0,000000E+00	0,000000E+00	1,182913E+20	1,295772E+21
-796	3,679381E+21	6,630336E+21	8,895892E+21	8,895996E+21	6,630683E+21	3,679719E+21	1,295953E+21	1,183414E+20	0,000000E+00	0,000000E+00	1,183328E+20	1,295955E+21
-795	3,679766E+21	6,630716E+21	8,895939E+21	8,895761E+21	6,630338E+21	3,679483E+21	1,295812E+21	1,182934E+20	0,000000E+00	0,000000E+00	1,183264E+20	1,295928E+21
-794	3,679562E+21	6,630314E+21	8,895629E+21	8,895913E+21	6,630806E+21	3,679853E+21	1,296029E+21	1,183326E+20	0,000000E+00	0,000000E+00	1,182735E+20	1,295761E+21
-793	3,679502E+21	6,630601E+21	8,896139E+21	8,896181E+21	6,630732E+21	3,679611E+21	1,295799E+21	1,182863E+20	0,000000E+00	0,000000E+00	1,183196E+20	1,296014E+21
-792	3,679946E+21	6,631004E+21	8,896210E+21	8,896036E+21	6,630653E+21	3,679632E+21	1,295790E+21	1,182408E+20	0,000000E+00	0,000000E+00	1,182551E+20	1,295808E+21
-791	3,679641E+21	6,630800E+21	8,896465E+21	8,896653E+21	6,631204E+21	3,679929E+21	1,295939E+21	1,182802E+20	0,000000E+00	0,000000E+00	1,182259E+20	1,295742E+21
-790	3,679819E+21	6,631401E+21	8,897115E+21	8,896956E+21	6,631046E+21	3,679580E+21	1,295659E+21	1,182105E+20	0,000000E+00	0,000000E+00	1,182600E+20	1,295905E+21
-789	3,679960E+21	6,631385E+21	8,896915E+21	8,896869E+21	6,631295E+21	3,679854E+21	1,295795E+21	1,182089E+20	0,000000E+00	0,000000E+00	1,181842E+20	1,295647E+21
-788	3,679551E+21	6,631044E+21	8,897093E+21	8,897305E+21	6,631595E+21	3,679984E+21	1,295843E+21	1,182436E+20	0,000000E+00	0,000000E+00	1,182193E+20	1,295786E+21
-787	3,679951E+21	6,631527E+21	8,897222E+21	8,897096E+21	6,631205E+21	3,679673E+21	1,295651E+21	1,181827E+20	0,000000E+00	0,000000E+00	1,182349E+20	1,295840E+21
-786	3,679857E+21	6,631195E+21	8,896737E+21	8,896886E+21	6,631421E+21	3,679993E+21	1,295904E+21	1,182453E+20	0,000000E+00	0,000000E+00	1,181938E+20	1,295655E+21
-785	3,679606E+21	6,631098E+21	8,896910E+21	8,896913E+21	6,631240E+21	3,679794E+21	1,295791E+21	1,182500E+20	0,000000E+00	0,000000E+00	1,182722E+20	1,295904E+21
-784	3,679950E+21	6,631268E+21	8,896667E+21	8,896388E+21	6,630743E+21	3,679587E+21	1,295743E+21	1,182310E+20	0,000000E+00	0,000000E+00	1,182640E+20	1,295831E+21
-783	3,679597E+21	6,630596E+21	8,896120E+21	8,896329E+21	6,630984E+21	3,679865E+21	1,295994E+21	1,183224E+20	0,000000E+00	0,000000E+00	1,182756E+20	1,295775E+21
-782	3,679570E+21	6,630700E+21	8,896185E+21	8,896120E+21	6,630553E+21	3,679478E+21	1,295775E+21	1,182948E+20	0,000000E+00	0,000000E+00	1,183554E+20	1,296056E+21
-781	3,679820E+21	6,630593E+21	8,895574E+21	8,895415E+21	6,630276E+21	3,679557E+21	1,295904E+21	1,183207E+20	0,000000E+00	0,000000E+00	1,183273E+20	1,295879E+21
-780	3,679374E+21	6,629966E+21	8,895277E+21	8,895473E+21	6,630444E+21	3,679740E+21	1,296070E+21	1,183895E+20	0,000000E+00	0,000000E+00	1,183591E+20	1,295944E+21
-779	3,679635E+21	6,630377E+21	8,895411E+21	8,895200E+21	6,629934E+21	3,679345E+21	1,295859E+21	1,183508E+20	0,000000E+00	0,000000E+00	1,184018E+20	1,296074E+21
-778	3,679593E+21	6,630039E+21	8,894892E+21	8,894905E+21	6,630069E+21	3,679624E+21	1,296087E+21	1,183967E+20	0,000000E+00	0,000000E+00	1,183533E+20	1,295850E+21
-777	3,679229E+21	6,629727E+21	8,895024E+21	8,895180E+21	6,630152E+21	3,679560E+21	1,296015E+21	1,184015E+20	0,000000E+00	0,000000E+00	1,183969E+20	1,296049E+21
-776	3,679658E+21	6,630185E+21	8,895085E+21	8,894917E+21	6,629798E+21	3,679325E+21	1,295861E+21	1,183436E+20	0,000000E+00	0,000000E+00	1,183881E+20	1,296025E+21
-775	3,679484E+21	6,629870E+21	8,894883E+21	8,895128E+21	6,630291E+21	3,679714E+21	1,296082E+21	1,183809E+20	0,000000E+00	0,000000E+00	1,183280E+20	1,295847E+21
-774	3,679446E+21	6,630275E+21	8,895590E+21	8,895532E+21	6,630262E+21	3,679473E+21	1,295855E+21	1,183360E+20	0,000000E+00	0,000000E+00	1,183653E+20	1,296060E+21
-773	3,679851E+21	6,630681E+21	8,895722E+21	8,895471E+21	6,630234E+21	3,679510E+21	1,295851E+21	1,182914E+20	0,000000E+00	0,000000E+00	1,183003E+20	1,295838E+21
-772	3,679457E+21	6,630289E+21	8,895824E+21	8,896078E+21	6,630827E+21	3,679830E+21	1,296011E+21	1,183362E+20	0,000000E+00	0,000000E+00	1,182740E+20	1,295785E+21
-771	3,679655E+21	6,630876E+21	8,896357E+21	8,896292E+21	6,630706E+21	3,679529E+21	1,295743E+21	1,182695E+20	0,000000E+00	0,000000E+00	1,183153E+20	1,295958E+21
-770	3,679786E+21	6,630833E+21	8,896144E+21	8,896120E+21	6,630846E+21	3,679777E+21	1,295889E+21	1,182703E+20	0,000000E+00	0,000000E+00	1,182447E+20	1,295742E+21
-769	3,679463E+21	6,630498E+21	8,896221E+21	8,896448E+21	6,631046E+21	3,679838E+21	1,295913E+21	1,183022E+20	0,000000E+00	0,000000E+00	1,182830E+20	1,295876E+21

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°
-768	3,679862E+21	6,631050E+21	8,896397E+21	8,896208E+21	6,630607E+21	3,679504E+21	1,295717E+21	1,182407E+20	0,000000E+00	0,000000E+00	1,183004E+20	1,295926E+21
-767	3,679734E+21	6,630704E+21	8,895971E+21	8,896032E+21	6,630809E+21	3,679816E+21	1,295975E+21	1,183090E+20	0,000000E+00	0,000000E+00	1,182617E+20	1,295741E+21
-766	3,679460E+21	6,630577E+21	8,896174E+21	8,896137E+21	6,630671E+21	3,679612E+21	1,295859E+21	1,183156E+20	0,000000E+00	0,000000E+00	1,183394E+20	1,295987E+21
-765	3,679804E+21	6,630713E+21	8,895848E+21	8,895574E+21	6,630206E+21	3,679432E+21	1,295811E+21	1,182966E+20	0,000000E+00	0,000000E+00	1,183357E+20	1,295928E+21
-764	3,679437E+21	6,629939E+21	8,895149E+21	8,895410E+21	6,630423E+21	3,679733E+21	1,296081E+21	1,183907E+20	0,000000E+00	0,000000E+00	1,183450E+20	1,295874E+21
-763	3,679463E+21	6,630141E+21	8,895234E+21	8,895187E+21	6,630025E+21	3,679386E+21	1,295884E+21	1,183685E+20	0,000000E+00	0,000000E+00	1,184229E+20	1,296130E+21
-762	3,679670E+21	6,630062E+21	8,894759E+21	8,894536E+21	6,629698E+21	3,679441E+21	1,296022E+21	1,183969E+20	0,000000E+00	0,000000E+00	1,183935E+20	1,295958E+21
-761	3,679232E+21	6,629387E+21	8,894418E+21	8,894608E+21	6,629847E+21	3,679573E+21	1,296158E+21	1,184599E+20	0,000000E+00	0,000000E+00	1,184239E+20	1,296007E+21
-760	3,679453E+21	6,629791E+21	8,894573E+21	8,894384E+21	6,629381E+21	3,679182E+21	1,295930E+21	1,184137E+20	0,000000E+00	0,000000E+00	1,184682E+20	1,296151E+21
-759	3,679416E+21	6,629443E+21	8,894046E+21	8,894086E+21	6,629534E+21	3,679482E+21	1,296152E+21	1,184538E+20	0,000000E+00	0,000000E+00	1,184177E+20	1,295943E+21
-758	3,679105E+21	6,629215E+21	8,894260E+21	8,894414E+21	6,629646E+21	3,679424E+21	1,296076E+21	1,184544E+20	0,000000E+00	0,000000E+00	1,184527E+20	1,296130E+21
-757	3,679583E+21	6,629780E+21	8,894405E+21	8,894209E+21	6,629333E+21	3,679198E+21	1,295918E+21	1,183926E+20	0,000000E+00	0,000000E+00	1,184399E+20	1,296091E+21
-756	3,679380E+21	6,629433E+21	8,894190E+21	8,894420E+21	6,629831E+21	3,679600E+21	1,296153E+21	1,184341E+20	0,000000E+00	0,000000E+00	1,183743E+20	1,295896E+21
-755	3,679340E+21	6,629885E+21	8,894956E+21	8,894899E+21	6,629873E+21	3,679395E+21	1,295944E+21	1,183963E+20	0,000000E+00	0,000000E+00	1,184143E+20	1,296092E+21
-754	3,679670E+21	6,630205E+21	8,895118E+21	8,894887E+21	6,629830E+21	3,679411E+21	1,295936E+21	1,183523E+20	0,000000E+00	0,000000E+00	1,183551E+20	1,295910E+21
-753	3,679323E+21	6,629734E+21	8,895032E+21	8,895360E+21	6,630369E+21	3,679701E+21	1,296069E+21	1,183910E+20	0,000000E+00	0,000000E+00	1,183348E+20	1,295869E+21
-752	3,679542E+21	6,630366E+21	8,895542E+21	8,895491E+21	6,630194E+21	3,679398E+21	1,295801E+21	1,183198E+20	0,000000E+00	0,000000E+00	1,183780E+20	1,296051E+21
-751	3,679692E+21	6,630366E+21	8,895362E+21	8,895296E+21	6,630295E+21	3,679636E+21	1,295954E+21	1,183236E+20	0,000000E+00	0,000000E+00	1,183066E+20	1,295833E+21
-750	3,679381E+21	6,630097E+21	8,895539E+21	8,895674E+21	6,630498E+21	3,679686E+21	1,295983E+21	1,183597E+20	0,000000E+00	0,000000E+00	1,183407E+20	1,295940E+21
-749	3,679739E+21	6,630609E+21	8,895724E+21	8,895482E+21	6,630079E+21	3,679346E+21	1,295785E+21	1,183014E+20	0,000000E+00	0,000000E+00	1,183605E+20	1,295986E+21
-748	3,679542E+21	6,630095E+21	8,895128E+21	8,895252E+21	6,630293E+21	3,679670E+21	1,296053E+21	1,183752E+20	0,000000E+00	0,000000E+00	1,183257E+20	1,295817E+21
-747	3,679302E+21	6,629980E+21	8,895254E+21	8,895290E+21	6,630183E+21	3,679513E+21	1,295957E+21	1,183872E+20	0,000000E+00	0,000000E+00	1,184075E+20	1,296067E+21
-746	3,679632E+21	6,630104E+21	8,894963E+21	8,894706E+21	6,629650E+21	3,679318E+21	1,295920E+21	1,183707E+20	0,000000E+00	0,000000E+00	1,184071E+20	1,296038E+21
-745	3,679337E+21	6,629355E+21	8,894196E+21	8,894465E+21	6,629813E+21	3,679578E+21	1,296169E+21	1,184601E+20	0,000000E+00	0,000000E+00	1,184160E+20	1,295966E+21
-744	3,679345E+21	6,629622E+21	8,894363E+21	8,894246E+21	6,629393E+21	3,679231E+21	1,295976E+21	1,184374E+20	0,000000E+00	0,000000E+00	1,184922E+20	1,296206E+21
-743	3,679502E+21	6,629503E+21	8,893945E+21	8,893691E+21	6,629096E+21	3,679281E+21	1,296110E+21	1,184662E+20	0,000000E+00	0,000000E+00	1,184634E+20	1,296038E+21
-742	3,679061E+21	6,628824E+21	8,893624E+21	8,893834E+21	6,629307E+21	3,679406E+21	1,296228E+21	1,185243E+20	0,000000E+00	0,000000E+00	1,184896E+20	1,296087E+21
-741	3,679289E+21	6,629209E+21	8,893725E+21	8,893583E+21	6,628868E+21	3,679038E+21	1,295991E+21	1,184725E+20	0,000000E+00	0,000000E+00	1,185320E+20	1,296238E+21
-740	3,679268E+21	6,628839E+21	8,893136E+21	8,893234E+21	6,629009E+21	3,679353E+21	1,296222E+21	1,185107E+20	0,000000E+00	0,000000E+00	1,184753E+20	1,296030E+21
-739	3,679030E+21	6,628772E+21	8,893453E+21	8,893607E+21	6,629168E+21	3,679328E+21	1,296166E+21	1,185157E+20	0,000000E+00	0,000000E+00	1,185052E+20	1,296184E+21
-738	3,679459E+21	6,629375E+21	8,893776E+21	8,893521E+21	6,628858E+21	3,679092E+21	1,296010E+21	1,184543E+20	0,000000E+00	0,000000E+00	1,184915E+20	1,296154E+21
-737	3,679271E+21	6,628988E+21	8,893525E+21	8,893758E+21	6,629356E+21	3,679450E+21	1,296211E+21	1,184891E+20	0,000000E+00	0,000000E+00	1,184277E+20	1,295951E+21
-736	3,679199E+21	6,629421E+21	8,894278E+21	8,894248E+21	6,629430E+21	3,679267E+21	1,295998E+21	1,184463E+20	0,000000E+00	0,000000E+00	1,184718E+20	1,296163E+21
-735	3,679525E+21	6,629708E+21	8,894409E+21	8,894223E+21	6,629389E+21	3,679295E+21	1,295988E+21	1,183994E+20	0,000000E+00	0,000000E+00	1,184140E+20	1,296000E+21
-734	3,679231E+21	6,629305E+21	8,894341E+21	8,894666E+21	6,629909E+21	3,679576E+21	1,296123E+21	1,184383E+20	0,000000E+00	0,000000E+00	1,183898E+20	1,295949E+21
-733	3,679458E+21	6,629962E+21	8,894858E+21	8,894784E+21	6,629727E+21	3,679276E+21	1,295861E+21	1,183693E+20	0,000000E+00	0,000000E+00	1,184303E+20	1,296112E+21

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°
-732	3,679564E+21	6,629895E+21	8,894613E+21	8,894528E+21	6,629782E+21	3,679511E+21	1,296036E+21	1,183832E+20	0,000000E+00	0,000000E+00	1,183600E+20	1,295891E+21
-731	3,679247E+21	6,629625E+21	8,894779E+21	8,894924E+21	6,630015E+21	3,679576E+21	1,296087E+21	1,184304E+20	0,000000E+00	0,000000E+00	1,183998E+20	1,295989E+21
-730	3,679536E+21	6,630034E+21	8,894940E+21	8,894735E+21	6,629578E+21	3,679222E+21	1,295886E+21	1,183752E+20	0,000000E+00	0,000000E+00	1,184290E+20	1,296086E+21
-729	3,679401E+21	6,629453E+21	8,894148E+21	8,894339E+21	6,629710E+21	3,679505E+21	1,296126E+21	1,184436E+20	0,000000E+00	0,000000E+00	1,183998E+20	1,295923E+21
-728	3,679182E+21	6,629401E+21	8,894302E+21	8,894332E+21	6,629555E+21	3,679355E+21	1,296040E+21	1,184533E+20	0,000000E+00	0,000000E+00	1,184819E+20	1,296173E+21
-727	3,679514E+21	6,629563E+21	8,894081E+21	8,893784E+21	6,629014E+21	3,679151E+21	1,296005E+21	1,184398E+20	0,000000E+00	0,000000E+00	1,184801E+20	1,296130E+21
-726	3,679208E+21	6,628865E+21	8,893404E+21	8,893599E+21	6,629204E+21	3,679412E+21	1,296257E+21	1,185292E+20	0,000000E+00	0,000000E+00	1,184832E+20	1,296033E+21
-725	3,679162E+21	6,629068E+21	8,893577E+21	8,893465E+21	6,628848E+21	3,679076E+21	1,296057E+21	1,185051E+20	0,000000E+00	0,000000E+00	1,185570E+20	1,296266E+21
-724	3,679278E+21	6,628821E+21	8,893001E+21	8,892849E+21	6,628574E+21	3,679148E+21	1,296196E+21	1,185335E+20	0,000000E+00	0,000000E+00	1,185294E+20	1,296121E+21
-723	3,678902E+21	6,628207E+21	8,892654E+21	8,892961E+21	6,628817E+21	3,679311E+21	1,296325E+21	1,185918E+20	0,000000E+00	0,000000E+00	1,185528E+20	1,296167E+21
-722	3,679136E+21	6,628643E+21	8,892867E+21	8,892752E+21	6,628345E+21	3,678924E+21	1,296085E+21	1,185373E+20	0,000000E+00	0,000000E+00	1,185944E+20	1,296343E+21
-721	3,679198E+21	6,628349E+21	8,892289E+21	8,892374E+21	6,628445E+21	3,679190E+21	1,296284E+21	1,185669E+20	0,000000E+00	0,000000E+00	1,185336E+20	1,296110E+21
-720	3,678951E+21	6,628396E+21	8,892786E+21	8,892836E+21	6,628612E+21	3,679175E+21	1,296233E+21	1,185705E+20	0,000000E+00	0,000000E+00	1,185614E+20	1,296249E+21
-719	3,679331E+21	6,628961E+21	8,893181E+21	8,892898E+21	6,628381E+21	3,678943E+21	1,296071E+21	1,185083E+20	0,000000E+00	0,000000E+00	1,185479E+20	1,296220E+21
-718	3,679140E+21	6,628578E+21	8,892929E+21	8,893175E+21	6,628949E+21	3,679317E+21	1,296259E+21	1,185384E+20	0,000000E+00	0,000000E+00	1,184823E+20	1,296022E+21
-717	3,679071E+21	6,628963E+21	8,893602E+21	8,893618E+21	6,629040E+21	3,679164E+21	1,296048E+21	1,184927E+20	0,000000E+00	0,000000E+00	1,185235E+20	1,296227E+21
-716	3,679391E+21	6,629196E+21	8,893627E+21	8,893500E+21	6,628958E+21	3,679200E+21	1,296059E+21	1,184495E+20	0,000000E+00	0,000000E+00	1,184643E+20	1,296071E+21
-715	3,679150E+21	6,628894E+21	8,893581E+21	8,893921E+21	6,629473E+21	3,679494E+21	1,296220E+21	1,184992E+20	0,000000E+00	0,000000E+00	1,184398E+20	1,295992E+21
-714	3,679298E+21	6,629500E+21	8,894184E+21	8,894087E+21	6,629252E+21	3,679170E+21	1,295965E+21	1,184357E+20	0,000000E+00	0,000000E+00	1,184850E+20	1,296176E+21
-713	3,679416E+21	6,629358E+21	8,893826E+21	8,893764E+21	6,629249E+21	3,679343E+21	1,296107E+21	1,184477E+20	0,000000E+00	0,000000E+00	1,184226E+20	1,295963E+21
-712	3,679088E+21	6,629082E+21	8,893955E+21	8,894092E+21	6,629447E+21	3,679414E+21	1,296159E+21	1,184935E+20	0,000000E+00	0,000000E+00	1,184697E+20	1,296082E+21
-711	3,679376E+21	6,629446E+21	8,894065E+21	8,893885E+21	6,629016E+21	3,679070E+21	1,295958E+21	1,184383E+20	0,000000E+00	0,000000E+00	1,185018E+20	1,296197E+21
-710	3,679301E+21	6,628959E+21	8,893315E+21	8,893481E+21	6,629135E+21	3,679338E+21	1,296191E+21	1,185045E+20	0,000000E+00	0,000000E+00	1,184707E+20	1,296027E+21
-709	3,679080E+21	6,628910E+21	8,893471E+21	8,893475E+21	6,628992E+21	3,679204E+21	1,296115E+21	1,185162E+20	0,000000E+00	0,000000E+00	1,185463E+20	1,296244E+21
-708	3,679349E+21	6,628992E+21	8,893211E+21	8,892918E+21	6,628448E+21	3,679014E+21	1,296105E+21	1,185110E+20	0,000000E+00	0,000000E+00	1,185458E+20	1,296201E+21
-707	3,679040E+21	6,628291E+21	8,892519E+21	8,892765E+21	6,628681E+21	3,679292E+21	1,296371E+21	1,186074E+20	0,000000E+00	0,000000E+00	1,185501E+20	1,296095E+21
-706	3,678927E+21	6,628391E+21	8,892668E+21	8,892634E+21	6,628323E+21	3,678954E+21	1,296164E+21	1,185816E+20	0,000000E+00	0,000000E+00	1,186280E+20	1,296371E+21
-705	3,679126E+21	6,628146E+21	8,891958E+21	8,891867E+21	6,627964E+21	3,678980E+21	1,296269E+21	1,185999E+20	0,000000E+00	0,000000E+00	1,186013E+20	1,296230E+21
-704	3,678804E+21	6,627678E+21	8,891732E+21	8,891976E+21	6,628165E+21	3,679141E+21	1,296398E+21	1,186522E+20	0,000000E+00	0,000000E+00	1,186200E+20	1,296267E+21
-703	3,679048E+21	6,628192E+21	8,892097E+21	8,891910E+21	6,627761E+21	3,678760E+21	1,296155E+21	1,185968E+20	0,000000E+00	0,000000E+00	1,186558E+20	1,296422E+21
-702	3,679112E+21	6,628001E+21	8,891694E+21	8,891682E+21	6,627929E+21	3,679022E+21	1,296339E+21	1,186208E+20	0,000000E+00	0,000000E+00	1,185882E+20	1,296168E+21
-701	3,678817E+21	6,627984E+21	8,892214E+21	8,892266E+21	6,628200E+21	3,679040E+21	1,296286E+21	1,186224E+20	0,000000E+00	0,000000E+00	1,186105E+20	1,296289E+21
-700	3,679145E+21	6,628423E+21	8,892471E+21	8,892293E+21	6,628022E+21	3,678856E+21	1,296139E+21	1,185605E+20	0,000000E+00	0,000000E+00	1,185985E+20	1,296279E+21
-699	3,679002E+21	6,628083E+21	8,892176E+21	8,892520E+21	6,628598E+21	3,679263E+21	1,296349E+21	1,185947E+20	0,000000E+00	0,000000E+00	1,185320E+20	1,296077E+21
-698	3,678916E+21	6,628458E+21	8,892881E+21	8,892946E+21	6,628643E+21	3,679096E+21	1,296143E+21	1,185503E+20	0,000000E+00	0,000000E+00	1,185753E+20	1,296304E+21
-697	3,679293E+21	6,628715E+21	8,892816E+21	8,892682E+21	6,628449E+21	3,679068E+21	1,296130E+21	1,185056E+20	0,000000E+00	0,000000E+00	1,185187E+20	1,296138E+21

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°
-696	3,679045E+21	6,628481E+21	8,892875E+21	8,893106E+21	6,628901E+21	3,679341E+21	1,296296E+21	1,185582E+20	0,000000E+00	0,000000E+00	1,184997E+20	1,296065E+21
-695	3,679153E+21	6,629007E+21	8,893477E+21	8,893358E+21	6,628716E+21	3,678996E+21	1,296030E+21	1,184972E+20	0,000000E+00	0,000000E+00	1,185506E+20	1,296263E+21
-694	3,679287E+21	6,628871E+21	8,893074E+21	8,893002E+21	6,628723E+21	3,679162E+21	1,296153E+21	1,185055E+20	0,000000E+00	0,000000E+00	1,184915E+20	1,296067E+21
-693	3,678973E+21	6,628563E+21	8,893146E+21	8,893291E+21	6,628927E+21	3,679259E+21	1,296210E+21	1,185493E+20	0,000000E+00	0,000000E+00	1,185344E+20	1,296172E+21
-692	3,679250E+21	6,628889E+21	8,893175E+21	8,893018E+21	6,628479E+21	3,678940E+21	1,296041E+21	1,185016E+20	0,000000E+00	0,000000E+00	1,185657E+20	1,296282E+21
-691	3,679195E+21	6,628470E+21	8,892471E+21	8,892628E+21	6,628615E+21	3,679234E+21	1,296306E+21	1,185786E+20	0,000000E+00	0,000000E+00	1,185337E+20	1,296083E+21
-690	3,678883E+21	6,628333E+21	8,892673E+21	8,892679E+21	6,628466E+21	3,679093E+21	1,296237E+21	1,185946E+20	0,000000E+00	0,000000E+00	1,186118E+20	1,296314E+21
-689	3,679148E+21	6,628320E+21	8,892245E+21	8,892012E+21	6,627867E+21	3,678852E+21	1,296196E+21	1,185859E+20	0,000000E+00	0,000000E+00	1,186184E+20	1,296285E+21
-688	3,678854E+21	6,627652E+21	8,891550E+21	8,891785E+21	6,628053E+21	3,679134E+21	1,296458E+21	1,186763E+20	0,000000E+00	0,000000E+00	1,186255E+20	1,296202E+21
-687	3,678768E+21	6,627745E+21	8,891707E+21	8,891688E+21	6,627704E+21	3,678788E+21	1,296240E+21	1,186473E+20	0,000000E+00	0,000000E+00	1,187005E+20	1,296482E+21
-686	3,679040E+21	6,627667E+21	8,891119E+21	8,890969E+21	6,627359E+21	3,678796E+21	1,296325E+21	1,186580E+20	0,000000E+00	0,000000E+00	1,186678E+20	1,296331E+21
-685	3,678731E+21	6,627266E+21	8,891016E+21	8,891181E+21	6,627617E+21	3,678975E+21	1,296454E+21	1,187077E+20	0,000000E+00	0,000000E+00	1,186744E+20	1,296326E+21
-684	3,678911E+21	6,627731E+21	8,891412E+21	8,891208E+21	6,627291E+21	3,678640E+21	1,296238E+21	1,186578E+20	0,000000E+00	0,000000E+00	1,187093E+20	1,296476E+21
-683	3,678968E+21	6,627539E+21	8,891039E+21	8,891088E+21	6,627557E+21	3,678932E+21	1,296431E+21	1,186848E+20	0,000000E+00	0,000000E+00	1,186410E+20	1,296214E+21
-682	3,678618E+21	6,627420E+21	8,891501E+21	8,891658E+21	6,627849E+21	3,678975E+21	1,296377E+21	1,186838E+20	0,000000E+00	0,000000E+00	1,186654E+20	1,296365E+21
-681	3,679005E+21	6,627844E+21	8,891607E+21	8,891508E+21	6,627572E+21	3,678749E+21	1,296206E+21	1,186144E+20	0,000000E+00	0,000000E+00	1,186553E+20	1,296360E+21
-680	3,678913E+21	6,627642E+21	8,891404E+21	8,891660E+21	6,628046E+21	3,679134E+21	1,296419E+21	1,186469E+20	0,000000E+00	0,000000E+00	1,185887E+20	1,296157E+21
-679	3,678813E+21	6,628010E+21	8,892165E+21	8,892168E+21	6,628116E+21	3,678953E+21	1,296211E+21	1,186052E+20	0,000000E+00	0,000000E+00	1,186307E+20	1,296370E+21
-678	3,679195E+21	6,628349E+21	8,892210E+21	8,891982E+21	6,627932E+21	3,678892E+21	1,296176E+21	1,185575E+20	0,000000E+00	0,000000E+00	1,185758E+20	1,296210E+21
-677	3,678926E+21	6,628045E+21	8,892238E+21	8,892447E+21	6,628426E+21	3,679170E+21	1,296334E+21	1,186097E+20	0,000000E+00	0,000000E+00	1,185554E+20	1,296128E+21
-676	3,678995E+21	6,628460E+21	8,892700E+21	8,892636E+21	6,628276E+21	3,678883E+21	1,296098E+21	1,185532E+20	0,000000E+00	0,000000E+00	1,186102E+20	1,296349E+21
-675	3,679177E+21	6,628363E+21	8,892286E+21	8,892259E+21	6,628279E+21	3,679065E+21	1,296241E+21	1,185690E+20	0,000000E+00	0,000000E+00	1,185519E+20	1,296142E+21
-674	3,678831E+21	6,628025E+21	8,892351E+21	8,892520E+21	6,628456E+21	3,679167E+21	1,296313E+21	1,186166E+20	0,000000E+00	0,000000E+00	1,185961E+20	1,296252E+21
-673	3,679118E+21	6,628329E+21	8,892272E+21	8,892098E+21	6,627909E+21	3,678804E+21	1,296137E+21	1,185726E+20	0,000000E+00	0,000000E+00	1,186316E+20	1,296353E+21
-672	3,679037E+21	6,627936E+21	8,891637E+21	8,891680E+21	6,627968E+21	3,679080E+21	1,296412E+21	1,186536E+20	0,000000E+00	0,000000E+00	1,186070E+20	1,296165E+21
-671	3,678681E+21	6,627666E+21	8,891763E+21	8,891799E+21	6,627872E+21	3,678925E+21	1,296329E+21	1,186704E+20	0,000000E+00	0,000000E+00	1,186879E+20	1,296408E+21
-670	3,678982E+21	6,627704E+21	8,891297E+21	8,891070E+21	6,627255E+21	3,678666E+21	1,296261E+21	1,186539E+20	0,000000E+00	0,000000E+00	1,186970E+20	1,296406E+21
-669	3,678735E+21	6,627064E+21	8,890614E+21	8,890830E+21	6,627428E+21	3,678946E+21	1,296513E+21	1,187374E+20	0,000000E+00	0,000000E+00	1,186938E+20	1,296300E+21
-668	3,678654E+21	6,627184E+21	8,890795E+21	8,890760E+21	6,627117E+21	3,678640E+21	1,296323E+21	1,187121E+20	0,000000E+00	0,000000E+00	1,187636E+20	1,296566E+21
-667	3,678943E+21	6,627204E+21	8,890365E+21	8,890188E+21	6,626848E+21	3,678674E+21	1,296425E+21	1,187274E+20	0,000000E+00	0,000000E+00	1,187249E+20	1,296380E+21
-666	3,678557E+21	6,626766E+21	8,890359E+21	8,890535E+21	6,627178E+21	3,678873E+21	1,296554E+21	1,187760E+20	0,000000E+00	0,000000E+00	1,187306E+20	1,296383E+21
-665	3,678733E+21	6,627148E+21	8,890595E+21	8,890465E+21	6,626842E+21	3,678524E+21	1,296317E+21	1,187215E+20	0,000000E+00	0,000000E+00	1,187690E+20	1,296538E+21
-664	3,678804E+21	6,626998E+21	8,890252E+21	8,890290E+21	6,627071E+21	3,678832E+21	1,296507E+21	1,187405E+20	0,000000E+00	0,000000E+00	1,187031E+20	1,296302E+21
-663	3,678485E+21	6,626866E+21	8,890702E+21	8,890898E+21	6,627370E+21	3,678855E+21	1,296441E+21	1,187360E+20	0,000000E+00	0,000000E+00	1,187236E+20	1,296448E+21
-662	3,678931E+21	6,627437E+21	8,890881E+21	8,890732E+21	6,627060E+21	3,678596E+21	1,296248E+21	1,186598E+20	0,000000E+00	0,000000E+00	1,187109E+20	1,296443E+21
-661	3,678851E+21	6,627291E+21	8,890788E+21	8,890935E+21	6,627534E+21	3,678973E+21	1,296458E+21	1,186919E+20	0,000000E+00	0,000000E+00	1,186358E+20	1,296209E+21

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°
-660	3,678698E+21	6,627592E+21	8,891540E+21	8,891503E+21	6,627655E+21	3,678825E+21	1,296279E+21	1,186592E+20	0,000000E+00	0,000000E+00	1,186811E+20	1,296424E+21
-659	3,679068E+21	6,627897E+21	8,891582E+21	8,891397E+21	6,627542E+21	3,678783E+21	1,296254E+21	1,186186E+20	0,000000E+00	0,000000E+00	1,186298E+20	1,296268E+21
-658	3,678763E+21	6,627512E+21	8,891528E+21	8,891806E+21	6,628035E+21	3,679081E+21	1,296415E+21	1,186707E+20	0,000000E+00	0,000000E+00	1,186150E+20	1,296214E+21
-657	3,678869E+21	6,627884E+21	8,891803E+21	8,891781E+21	6,627773E+21	3,678767E+21	1,296177E+21	1,186150E+20	0,000000E+00	0,000000E+00	1,186730E+20	1,296432E+21
-656	3,679075E+21	6,627884E+21	8,891472E+21	8,891340E+21	6,627684E+21	3,678935E+21	1,296333E+21	1,186341E+20	0,000000E+00	0,000000E+00	1,186196E+20	1,296227E+21
-655	3,678692E+21	6,627479E+21	8,891532E+21	8,891660E+21	6,627876E+21	3,679023E+21	1,296408E+21	1,186868E+20	0,000000E+00	0,000000E+00	1,186632E+20	1,296318E+21
-654	3,678959E+21	6,627806E+21	8,891476E+21	8,891253E+21	6,627314E+21	3,678626E+21	1,296212E+21	1,186415E+20	0,000000E+00	0,000000E+00	1,187035E+20	1,296437E+21
-653	3,678863E+21	6,627336E+21	8,890781E+21	8,890820E+21	6,627382E+21	3,678898E+21	1,296474E+21	1,187193E+20	0,000000E+00	0,000000E+00	1,186771E+20	1,296250E+21
-652	3,678497E+21	6,626985E+21	8,890775E+21	8,890871E+21	6,627311E+21	3,678792E+21	1,296415E+21	1,187378E+20	0,000000E+00	0,000000E+00	1,187588E+20	1,296511E+21
-651	3,678859E+21	6,627103E+21	8,890370E+21	8,890187E+21	6,626704E+21	3,678535E+21	1,296356E+21	1,187250E+20	0,000000E+00	0,000000E+00	1,187652E+20	1,296498E+21
-650	3,678612E+21	6,626510E+21	8,889751E+21	8,889974E+21	6,626886E+21	3,678819E+21	1,296607E+21	1,188059E+20	0,000000E+00	0,000000E+00	1,187578E+20	1,296387E+21
-649	3,678535E+21	6,626646E+21	8,889919E+21	8,889847E+21	6,626534E+21	3,678498E+21	1,296416E+21	1,187824E+20	0,000000E+00	0,000000E+00	1,188270E+20	1,296635E+21
-648	3,678803E+21	6,626727E+21	8,889640E+21	8,889356E+21	6,626258E+21	3,678527E+21	1,296516E+21	1,187959E+20	0,000000E+00	0,000000E+00	1,187923E+20	1,296454E+21
-647	3,678377E+21	6,626171E+21	8,889566E+21	8,889800E+21	6,626688E+21	3,678736E+21	1,296631E+21	1,188405E+20	0,000000E+00	0,000000E+00	1,187953E+20	1,296459E+21
-646	3,678594E+21	6,626632E+21	8,889791E+21	8,889685E+21	6,626355E+21	3,678386E+21	1,296367E+21	1,187746E+20	0,000000E+00	0,000000E+00	1,188333E+20	1,296636E+21
-645	3,678712E+21	6,626526E+21	8,889492E+21	8,889500E+21	6,626551E+21	3,678681E+21	1,296546E+21	1,187855E+20	0,000000E+00	0,000000E+00	1,187555E+20	1,296376E+21
-644	3,678396E+21	6,626412E+21	8,889948E+21	8,890133E+21	6,626892E+21	3,678745E+21	1,296509E+21	1,187859E+20	0,000000E+00	0,000000E+00	1,187720E+20	1,296506E+21
-643	3,678837E+21	6,627048E+21	8,890282E+21	8,890112E+21	6,626630E+21	3,678489E+21	1,296330E+21	1,187166E+20	0,000000E+00	0,000000E+00	1,187564E+20	1,296478E+21
-642	3,678697E+21	6,626853E+21	8,890221E+21	8,890386E+21	6,627142E+21	3,678867E+21	1,296534E+21	1,187495E+20	0,000000E+00	0,000000E+00	1,186852E+20	1,296260E+21
-641	3,678538E+21	6,627060E+21	8,890783E+21	8,890804E+21	6,627222E+21	3,678714E+21	1,296352E+21	1,187186E+20	0,000000E+00	0,000000E+00	1,187377E+20	1,296490E+21
-640	3,678928E+21	6,627401E+21	8,890837E+21	8,890617E+21	6,627045E+21	3,678676E+21	1,296330E+21	1,186766E+20	0,000000E+00	0,000000E+00	1,186936E+20	1,296359E+21
-639	3,678639E+21	6,626967E+21	8,890722E+21	8,891032E+21	6,627540E+21	3,678961E+21	1,296490E+21	1,187299E+20	0,000000E+00	0,000000E+00	1,186783E+20	1,296297E+21
-638	3,678782E+21	6,627441E+21	8,891012E+21	8,890940E+21	6,627226E+21	3,678620E+21	1,296241E+21	1,186728E+20	0,000000E+00	0,000000E+00	1,187380E+20	1,296518E+21
-637	3,678969E+21	6,627428E+21	8,890733E+21	8,890514E+21	6,627098E+21	3,678766E+21	1,296397E+21	1,186946E+20	0,000000E+00	0,000000E+00	1,186821E+20	1,296296E+21
-636	3,678532E+21	6,626906E+21	8,890700E+21	8,890846E+21	6,627331E+21	3,678883E+21	1,296501E+21	1,187557E+20	0,000000E+00	0,000000E+00	1,187309E+20	1,296395E+21
-635	3,678776E+21	6,627171E+21	8,890610E+21	8,890472E+21	6,626806E+21	3,678496E+21	1,296311E+21	1,187166E+20	0,000000E+00	0,000000E+00	1,187741E+20	1,296524E+21
-634	3,678685E+21	6,626681E+21	8,889851E+21	8,889955E+21	6,626840E+21	3,678771E+21	1,296566E+21	1,187908E+20	0,000000E+00	0,000000E+00	1,187500E+20	1,296359E+21
-633	3,678371E+21	6,626346E+21	8,889714E+21	8,889814E+21	6,626657E+21	3,678636E+21	1,296508E+21	1,188096E+20	0,000000E+00	0,000000E+00	1,188296E+20	1,296607E+21
-632	3,678752E+21	6,626587E+21	8,889470E+21	8,889165E+21	6,626028E+21	3,678377E+21	1,296453E+21	1,187972E+20	0,000000E+00	0,000000E+00	1,188368E+20	1,296586E+21
-631	3,678475E+21	6,625972E+21	8,888939E+21	8,889125E+21	6,626290E+21	3,678655E+21	1,296694E+21	1,188763E+20	0,000000E+00	0,000000E+00	1,188247E+20	1,296454E+21
-630	3,678389E+21	6,626150E+21	8,889149E+21	8,889056E+21	6,625979E+21	3,678329E+21	1,296485E+21	1,188475E+20	0,000000E+00	0,000000E+00	1,188948E+20	1,296714E+21
-629	3,678644E+21	6,626183E+21	8,888880E+21	8,888621E+21	6,625759E+21	3,678373E+21	1,296567E+21	1,188511E+20	0,000000E+00	0,000000E+00	1,188535E+20	1,296529E+21
-628	3,678224E+21	6,625593E+21	8,888730E+21	8,889041E+21	6,626233E+21	3,678639E+21	1,296704E+21	1,188945E+20	0,000000E+00	0,000000E+00	1,188525E+20	1,296535E+21
-627	3,678470E+21	6,626123E+21	8,889042E+21	8,888998E+21	6,625924E+21	3,678295E+21	1,296450E+21	1,188305E+20	0,000000E+00	0,000000E+00	1,188840E+20	1,296695E+21
-626	3,678595E+21	6,626081E+21	8,888808E+21	8,888824E+21	6,626118E+21	3,678586E+21	1,296624E+21	1,188388E+20	0,000000E+00	0,000000E+00	1,188034E+20	1,296433E+21
-625	3,678282E+21	6,625964E+21	8,889206E+21	8,889359E+21	6,626389E+21	3,678628E+21	1,296592E+21	1,188446E+20	0,000000E+00	0,000000E+00	1,188219E+20	1,296554E+21

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°
-624	3,678703E+21	6,626629E+21	8,889649E+21	8,889412E+21	6,626136E+21	3,678363E+21	1,296410E+21	1,187765E+20	0,000000E+00	0,000000E+00	1,188150E+20	1,296549E+21
-623	3,678547E+21	6,626330E+21	8,889504E+21	8,889739E+21	6,626706E+21	3,678734E+21	1,296595E+21	1,188069E+20	0,000000E+00	0,000000E+00	1,187465E+20	1,296344E+21
-622	3,678440E+21	6,626603E+21	8,890018E+21	8,890051E+21	6,626735E+21	3,678573E+21	1,296400E+21	1,187703E+20	0,000000E+00	0,000000E+00	1,188024E+20	1,296593E+21
-621	3,678856E+21	6,626966E+21	8,890109E+21	8,889847E+21	6,626508E+21	3,678514E+21	1,296372E+21	1,187252E+20	0,000000E+00	0,000000E+00	1,187510E+20	1,296439E+21
-620	3,678546E+21	6,626511E+21	8,889955E+21	8,890244E+21	6,627031E+21	3,678845E+21	1,296570E+21	1,187870E+20	0,000000E+00	0,000000E+00	1,187361E+20	1,296360E+21
-619	3,678642E+21	6,626967E+21	8,890330E+21	8,890255E+21	6,626747E+21	3,678509E+21	1,296341E+21	1,187403E+20	0,000000E+00	0,000000E+00	1,187952E+20	1,296565E+21
-618	3,678778E+21	6,626864E+21	8,889970E+21	8,889808E+21	6,626619E+21	3,678647E+21	1,296493E+21	1,187648E+20	0,000000E+00	0,000000E+00	1,187469E+20	1,296367E+21
-617	3,678337E+21	6,626233E+21	8,889691E+21	8,889920E+21	6,626773E+21	3,678757E+21	1,296599E+21	1,188284E+20	0,000000E+00	0,000000E+00	1,188016E+20	1,296485E+21
-616	3,678614E+21	6,626551E+21	8,889643E+21	8,889474E+21	6,626170E+21	3,678353E+21	1,296406E+21	1,187888E+20	0,000000E+00	0,000000E+00	1,188510E+20	1,296637E+21
-615	3,678550E+21	6,626050E+21	8,888866E+21	8,888988E+21	6,626202E+21	3,678598E+21	1,296648E+21	1,188605E+20	0,000000E+00	0,000000E+00	1,188232E+20	1,296459E+21
-614	3,678282E+21	6,625862E+21	8,888819E+21	8,888842E+21	6,625997E+21	3,678447E+21	1,296579E+21	1,188760E+20	0,000000E+00	0,000000E+00	1,189009E+20	1,296701E+21
-613	3,678638E+21	6,626119E+21	8,888714E+21	8,888312E+21	6,625393E+21	3,678179E+21	1,296519E+21	1,188624E+20	0,000000E+00	0,000000E+00	1,189018E+20	1,296655E+21
-612	3,678307E+21	6,625416E+21	8,888144E+21	8,888363E+21	6,625776E+21	3,678520E+21	1,296782E+21	1,189435E+20	0,000000E+00	0,000000E+00	1,188904E+20	1,296526E+21
-611	3,678199E+21	6,625549E+21	8,888363E+21	8,888375E+21	6,625547E+21	3,678231E+21	1,296580E+21	1,189164E+20	0,000000E+00	0,000000E+00	1,189571E+20	1,296786E+21
-610	3,678471E+21	6,625582E+21	8,888036E+21	8,887884E+21	6,625317E+21	3,678283E+21	1,296653E+21	1,189118E+20	0,000000E+00	0,000000E+00	1,189145E+20	1,296614E+21
-609	3,678098E+21	6,625025E+21	8,887783E+21	8,888135E+21	6,625695E+21	3,678526E+21	1,296792E+21	1,189550E+20	0,000000E+00	0,000000E+00	1,189087E+20	1,296605E+21
-608	3,678356E+21	6,625673E+21	8,888275E+21	8,888142E+21	6,625366E+21	3,678172E+21	1,296535E+21	1,188910E+20	0,000000E+00	0,000000E+00	1,189407E+20	1,296759E+21
-607	3,678458E+21	6,625613E+21	8,888120E+21	8,888122E+21	6,625613E+21	3,678438E+21	1,296694E+21	1,188969E+20	0,000000E+00	0,000000E+00	1,188578E+20	1,296491E+21
-606	3,678168E+21	6,625558E+21	8,888540E+21	8,888669E+21	6,625897E+21	3,678464E+21	1,296641E+21	1,188981E+20	0,000000E+00	0,000000E+00	1,188812E+20	1,296634E+21
-605	3,678586E+21	6,626188E+21	8,888991E+21	8,888760E+21	6,625681E+21	3,678210E+21	1,296444E+21	1,188226E+20	0,000000E+00	0,000000E+00	1,188705E+20	1,296631E+21
-604	3,678446E+21	6,625870E+21	8,888781E+21	8,889064E+21	6,626285E+21	3,678631E+21	1,296652E+21	1,188541E+20	0,000000E+00	0,000000E+00	1,188024E+20	1,296429E+21
-603	3,678347E+21	6,626163E+21	8,889347E+21	8,889421E+21	6,626327E+21	3,678483E+21	1,296480E+21	1,188245E+20	0,000000E+00	0,000000E+00	1,188529E+20	1,296650E+21
-602	3,678741E+21	6,626539E+21	8,889444E+21	8,889192E+21	6,626080E+21	3,678421E+21	1,296457E+21	1,187823E+20	0,000000E+00	0,000000E+00	1,188041E+20	1,296496E+21
-601	3,678403E+21	6,626014E+21	8,889143E+21	8,889414E+21	6,626488E+21	3,678725E+21	1,296672E+21	1,188556E+20	0,000000E+00	0,000000E+00	1,187952E+20	1,296413E+21
-600	3,678446E+21	6,626402E+21	8,889516E+21	8,889424E+21	6,626196E+21	3,678379E+21	1,296443E+21	1,188141E+20	0,000000E+00	0,000000E+00	1,188647E+20	1,296644E+21
-599	3,678578E+21	6,626196E+21	8,889029E+21	8,888957E+21	6,626070E+21	3,678495E+21	1,296577E+21	1,188368E+20	0,000000E+00	0,000000E+00	1,188218E+20	1,296474E+21
-598	3,678221E+21	6,625658E+21	8,888692E+21	8,888906E+21	6,626115E+21	3,678570E+21	1,296667E+21	1,188946E+20	0,000000E+00	0,000000E+00	1,188788E+20	1,296607E+21
-597	3,678521E+21	6,626025E+21	8,888731E+21	8,888499E+21	6,625495E+21	3,678145E+21	1,296466E+21	1,188516E+20	0,000000E+00	0,000000E+00	1,189201E+20	1,296735E+21
-596	3,678445E+21	6,625546E+21	8,888013E+21	8,888088E+21	6,625591E+21	3,678433E+21	1,296730E+21	1,189268E+20	0,000000E+00	0,000000E+00	1,188906E+20	1,296535E+21
-595	3,678123E+21	6,625337E+21	8,888097E+21	8,888119E+21	6,625469E+21	3,678308E+21	1,296680E+21	1,189496E+20	0,000000E+00	0,000000E+00	1,189632E+20	1,296755E+21
-594	3,678435E+21	6,625528E+21	8,887936E+21	8,887629E+21	6,624942E+21	3,678066E+21	1,296613E+21	1,189333E+20	0,000000E+00	0,000000E+00	1,189685E+20	1,296725E+21
-593	3,678103E+21	6,624751E+21	8,887162E+21	8,887477E+21	6,625267E+21	3,678421E+21	1,296883E+21	1,190132E+20	0,000000E+00	0,000000E+00	1,189571E+20	1,296608E+21
-592	3,678026E+21	6,624940E+21	8,887445E+21	8,887469E+21	6,625007E+21	3,678132E+21	1,296678E+21	1,189834E+20	0,000000E+00	0,000000E+00	1,190236E+20	1,296877E+21
-591	3,678335E+21	6,625001E+21	8,887132E+21	8,887028E+21	6,624782E+21	3,678148E+21	1,296731E+21	1,189719E+20	0,000000E+00	0,000000E+00	1,189760E+20	1,296701E+21
-590	3,678030E+21	6,624615E+21	8,886982E+21	8,887249E+21	6,625104E+21	3,678355E+21	1,296850E+21	1,190096E+20	0,000000E+00	0,000000E+00	1,189679E+20	1,296690E+21
-589	3,678267E+21	6,625289E+21	8,887642E+21	8,887417E+21	6,624811E+21	3,677979E+21	1,296580E+21	1,189418E+20	0,000000E+00	0,000000E+00	1,189945E+20	1,296827E+21

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°
-588	3,678338E+21	6,625178E+21	8,887482E+21	8,887501E+21	6,625177E+21	3,678296E+21	1,296745E+21	1,189477E+20	0,000000E+00	0,000000E+00	1,189133E+20	1,296567E+21
-587	3,678041E+21	6,625111E+21	8,887941E+21	8,888122E+21	6,625531E+21	3,678364E+21	1,296706E+21	1,189519E+20	0,000000E+00	0,000000E+00	1,189337E+20	1,296705E+21
-586	3,678477E+21	6,625742E+21	8,888321E+21	8,888147E+21	6,625306E+21	3,678125E+21	1,296512E+21	1,188734E+20	0,000000E+00	0,000000E+00	1,189219E+20	1,296698E+21
-585	3,678340E+21	6,625406E+21	8,887978E+21	8,888267E+21	6,625810E+21	3,678537E+21	1,296740E+21	1,189119E+20	0,000000E+00	0,000000E+00	1,188537E+20	1,296483E+21
-584	3,678214E+21	6,625724E+21	8,888640E+21	8,888644E+21	6,625827E+21	3,678382E+21	1,296578E+21	1,188890E+20	0,000000E+00	0,000000E+00	1,189083E+20	1,296695E+21
-583	3,678551E+21	6,625990E+21	8,888685E+21	8,888463E+21	6,625584E+21	3,678286E+21	1,296546E+21	1,188496E+20	0,000000E+00	0,000000E+00	1,188651E+20	1,296557E+21
-582	3,678244E+21	6,625476E+21	8,888292E+21	8,888567E+21	6,625931E+21	3,678558E+21	1,296743E+21	1,189206E+20	0,000000E+00	0,000000E+00	1,188660E+20	1,296509E+21
-581	3,678289E+21	6,625818E+21	8,888638E+21	8,888555E+21	6,625609E+21	3,678195E+21	1,296500E+21	1,188743E+20	0,000000E+00	0,000000E+00	1,189340E+20	1,296748E+21
-580	3,678450E+21	6,625614E+21	8,888106E+21	8,888054E+21	6,625490E+21	3,678336E+21	1,296647E+21	1,188986E+20	0,000000E+00	0,000000E+00	1,188931E+20	1,296582E+21
-579	3,678110E+21	6,625134E+21	8,887876E+21	8,888073E+21	6,625550E+21	3,678417E+21	1,296752E+21	1,189618E+20	0,000000E+00	0,000000E+00	1,189434E+20	1,296689E+21
-578	3,678396E+21	6,625522E+21	8,887934E+21	8,887685E+21	6,624953E+21	3,678010E+21	1,296558E+21	1,189214E+20	0,000000E+00	0,000000E+00	1,189856E+20	1,296805E+21
-577	3,678276E+21	6,624975E+21	8,887125E+21	8,887190E+21	6,625005E+21	3,678295E+21	1,296840E+21	1,190040E+20	0,000000E+00	0,000000E+00	1,189601E+20	1,296607E+21
-576	3,677920E+21	6,624710E+21	8,887214E+21	8,887265E+21	6,624931E+21	3,678187E+21	1,296790E+21	1,190288E+20	0,000000E+00	0,000000E+00	1,190371E+20	1,296839E+21
-575	3,678228E+21	6,624827E+21	8,886954E+21	8,886761E+21	6,624423E+21	3,677942E+21	1,296707E+21	1,190061E+20	0,000000E+00	0,000000E+00	1,190435E+20	1,296833E+21
-574	3,677995E+21	6,624185E+21	8,886168E+21	8,886463E+21	6,624638E+21	3,678256E+21	1,296953E+21	1,190751E+20	0,000000E+00	0,000000E+00	1,190288E+20	1,296723E+21
-573	3,677935E+21	6,624440E+21	8,886591E+21	8,886547E+21	6,624378E+21	3,677939E+21	1,296733E+21	1,190384E+20	0,000000E+00	0,000000E+00	1,190829E+20	1,296958E+21
-572	3,678240E+21	6,624564E+21	8,886397E+21	8,886232E+21	6,624237E+21	3,677989E+21	1,296793E+21	1,190261E+20	0,000000E+00	0,000000E+00	1,190319E+20	1,296768E+21
-571	3,677903E+21	6,624198E+21	8,886412E+21	8,886645E+21	6,624645E+21	3,678213E+21	1,296920E+21	1,190676E+20	0,000000E+00	0,000000E+00	1,190170E+20	1,296738E+21
-570	3,678119E+21	6,624833E+21	8,887037E+21	8,886874E+21	6,624461E+21	3,677882E+21	1,296647E+21	1,189959E+20	0,000000E+00	0,000000E+00	1,190460E+20	1,296884E+21
-569	3,678192E+21	6,624678E+21	8,886737E+21	8,886798E+21	6,624766E+21	3,678210E+21	1,296821E+21	1,190027E+20	0,000000E+00	0,000000E+00	1,189659E+20	1,296634E+21
-568	3,677912E+21	6,624635E+21	8,887217E+21	8,887404E+21	6,625110E+21	3,678288E+21	1,296790E+21	1,190091E+20	0,000000E+00	0,000000E+00	1,189864E+20	1,296766E+21
-567	3,678346E+21	6,625247E+21	8,887575E+21	8,887450E+21	6,624888E+21	3,678028E+21	1,296590E+21	1,189293E+20	0,000000E+00	0,000000E+00	1,189746E+20	1,296760E+21
-566	3,678253E+21	6,625010E+21	8,887245E+21	8,887438E+21	6,625266E+21	3,678390E+21	1,296808E+21	1,189687E+20	0,000000E+00	0,000000E+00	1,189123E+20	1,296555E+21
-565	3,678076E+21	6,625250E+21	8,887948E+21	8,887902E+21	6,625282E+21	3,678202E+21	1,296639E+21	1,189463E+20	0,000000E+00	0,000000E+00	1,189673E+20	1,296762E+21
-564	3,678387E+21	6,625439E+21	8,887899E+21	8,887721E+21	6,625098E+21	3,678136E+21	1,296610E+21	1,189099E+20	0,000000E+00	0,000000E+00	1,189331E+20	1,296655E+21
-563	3,678097E+21	6,624915E+21	8,887501E+21	8,887797E+21	6,625424E+21	3,678414E+21	1,296814E+21	1,189839E+20	0,000000E+00	0,000000E+00	1,189330E+20	1,296611E+21
-562	3,678182E+21	6,625275E+21	8,887783E+21	8,887714E+21	6,625082E+21	3,678062E+21	1,296576E+21	1,189364E+20	0,000000E+00	0,000000E+00	1,190002E+20	1,296841E+21
-561	3,678341E+21	6,625077E+21	8,887178E+21	8,887075E+21	6,624870E+21	3,678187E+21	1,296740E+21	1,189688E+20	0,000000E+00	0,000000E+00	1,189596E+20	1,296661E+21
-560	3,677969E+21	6,624619E+21	8,887051E+21	8,887171E+21	6,624962E+21	3,678281E+21	1,296858E+21	1,190386E+20	0,000000E+00	0,000000E+00	1,190110E+20	1,296751E+21
-559	3,678196E+21	6,624897E+21	8,887070E+21	8,886870E+21	6,624421E+21	3,677871E+21	1,296662E+21	1,190002E+20	0,000000E+00	0,000000E+00	1,190577E+20	1,296883E+21
-558	3,678108E+21	6,624367E+21	8,886182E+21	8,886254E+21	6,624414E+21	3,678136E+21	1,296925E+21	1,190762E+20	0,000000E+00	0,000000E+00	1,190389E+20	1,296718E+21
-557	3,677758E+21	6,624071E+21	8,886278E+21	8,886349E+21	6,624331E+21	3,678015E+21	1,296860E+21	1,190923E+20	0,000000E+00	0,000000E+00	1,191081E+20	1,296942E+21
-556	3,678096E+21	6,624227E+21	8,886014E+21	8,885847E+21	6,623855E+21	3,677798E+21	1,296781E+21	1,190665E+20	0,000000E+00	0,000000E+00	1,191121E+20	1,296934E+21
-555	3,677887E+21	6,623698E+21	8,885403E+21	8,885640E+21	6,624085E+21	3,678109E+21	1,297029E+21	1,191351E+20	0,000000E+00	0,000000E+00	1,190852E+20	1,296795E+21
-554	3,677831E+21	6,624001E+21	8,885893E+21	8,885791E+21	6,623869E+21	3,677807E+21	1,296810E+21	1,190981E+20	0,000000E+00	0,000000E+00	1,191352E+20	1,297005E+21
-553	3,678083E+21	6,624067E+21	8,885661E+21	8,885476E+21	6,623731E+21	3,677858E+21	1,296880E+21	1,190907E+20	0,000000E+00	0,000000E+00	1,190865E+20	1,296822E+21

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°
-552	3,677737E+21	6,623687E+21	8,885713E+21	8,885981E+21	6,624229E+21	3,678107E+21	1,297001E+21	1,191322E+20	0,000000E+00	0,000000E+00	1,190747E+20	1,296803E+21
-551	3,677957E+21	6,624264E+21	8,886248E+21	8,886189E+21	6,624071E+21	3,677795E+21	1,296725E+21	1,190557E+20	0,000000E+00	0,000000E+00	1,191050E+20	1,296969E+21
-550	3,678115E+21	6,624230E+21	8,885952E+21	8,885973E+21	6,624256E+21	3,678078E+21	1,296880E+21	1,190542E+20	0,000000E+00	0,000000E+00	1,190252E+20	1,296725E+21
-549	3,677834E+21	6,624218E+21	8,886528E+21	8,886646E+21	6,624583E+21	3,678128E+21	1,296842E+21	1,190575E+20	0,000000E+00	0,000000E+00	1,190379E+20	1,296822E+21
-548	3,678225E+21	6,624816E+21	8,886915E+21	8,886750E+21	6,624412E+21	3,677895E+21	1,296651E+21	1,189813E+20	0,000000E+00	0,000000E+00	1,190294E+20	1,296817E+21
-547	3,678098E+21	6,624557E+21	8,886655E+21	8,886808E+21	6,624809E+21	3,678253E+21	1,296876E+21	1,190266E+20	0,000000E+00	0,000000E+00	1,189678E+20	1,296618E+21
-546	3,677924E+21	6,624716E+21	8,887212E+21	8,887223E+21	6,624866E+21	3,678094E+21	1,296707E+21	1,190034E+20	0,000000E+00	0,000000E+00	1,190272E+20	1,296836E+21
-545	3,678234E+21	6,624854E+21	8,887007E+21	8,886857E+21	6,624580E+21	3,678021E+21	1,296695E+21	1,189732E+20	0,000000E+00	0,000000E+00	1,189980E+20	1,296752E+21
-544	3,677984E+21	6,624375E+21	8,886636E+21	8,886921E+21	6,624883E+21	3,678287E+21	1,296902E+21	1,190514E+20	0,000000E+00	0,000000E+00	1,189989E+20	1,296696E+21
-543	3,678059E+21	6,624722E+21	8,886910E+21	8,886841E+21	6,624537E+21	3,677931E+21	1,296672E+21	1,190067E+20	0,000000E+00	0,000000E+00	1,190668E+20	1,296926E+21
-542	3,678244E+21	6,624602E+21	8,886344E+21	8,886116E+21	6,624214E+21	3,678006E+21	1,296824E+21	1,190399E+20	0,000000E+00	0,000000E+00	1,190330E+20	1,296752E+21
-541	3,677812E+21	6,624057E+21	8,886243E+21	8,886325E+21	6,624347E+21	3,678086E+21	1,296936E+21	1,191080E+20	0,000000E+00	0,000000E+00	1,190822E+20	1,296831E+21
-540	3,678007E+21	6,624260E+21	8,886169E+21	8,886029E+21	6,623896E+21	3,677729E+21	1,296744E+21	1,190706E+20	0,000000E+00	0,000000E+00	1,191350E+20	1,296989E+21
-539	3,677943E+21	6,623748E+21	8,885304E+21	8,885373E+21	6,623855E+21	3,677999E+21	1,297012E+21	1,191452E+20	0,000000E+00	0,000000E+00	1,191098E+20	1,296821E+21
-538	3,677639E+21	6,623477E+21	8,885354E+21	8,885452E+21	6,623782E+21	3,677889E+21	1,296946E+21	1,191567E+20	0,000000E+00	0,000000E+00	1,191709E+20	1,297018E+21
-537	3,677959E+21	6,623671E+21	8,885099E+21	8,884885E+21	6,623244E+21	3,677654E+21	1,296877E+21	1,191352E+20	0,000000E+00	0,000000E+00	1,191727E+20	1,297000E+21
-536	3,677738E+21	6,623184E+21	8,884622E+21	8,884808E+21	6,623529E+21	3,677967E+21	1,297122E+21	1,192055E+20	0,000000E+00	0,000000E+00	1,191428E+20	1,296843E+21
-535	3,677644E+21	6,623431E+21	8,885125E+21	8,885082E+21	6,623411E+21	3,677687E+21	1,296898E+21	1,191663E+20	0,000000E+00	0,000000E+00	1,191954E+20	1,297074E+21
-534	3,677953E+21	6,623559E+21	8,884878E+21	8,884686E+21	6,623226E+21	3,677714E+21	1,296940E+21	1,191484E+20	0,000000E+00	0,000000E+00	1,191514E+20	1,296917E+21
-533	3,677625E+21	6,623192E+21	8,884982E+21	8,885252E+21	6,623737E+21	3,677959E+21	1,297048E+21	1,191804E+20	0,000000E+00	0,000000E+00	1,191318E+20	1,296887E+21
-532	3,677867E+21	6,623810E+21	8,885519E+21	8,885484E+21	6,623640E+21	3,677685E+21	1,296778E+21	1,191024E+20	0,000000E+00	0,000000E+00	1,191609E+20	1,297046E+21
-531	3,678025E+21	6,623856E+21	8,885369E+21	8,885311E+21	6,623804E+21	3,677960E+21	1,296939E+21	1,191022E+20	0,000000E+00	0,000000E+00	1,190739E+20	1,296787E+21
-530	3,677740E+21	6,623819E+21	8,885925E+21	8,886011E+21	6,624154E+21	3,678020E+21	1,296909E+21	1,191087E+20	0,000000E+00	0,000000E+00	1,190860E+20	1,296859E+21
-529	3,678053E+21	6,624307E+21	8,886204E+21	8,886041E+21	6,623942E+21	3,677778E+21	1,296734E+21	1,190420E+20	0,000000E+00	0,000000E+00	1,190854E+20	1,296880E+21
-528	3,677937E+21	6,624015E+21	8,885885E+21	8,886080E+21	6,624361E+21	3,678143E+21	1,296957E+21	1,190921E+20	0,000000E+00	0,000000E+00	1,190302E+20	1,296698E+21
-527	3,677780E+21	6,624128E+21	8,886329E+21	8,886403E+21	6,624385E+21	3,677991E+21	1,296795E+21	1,190688E+20	0,000000E+00	0,000000E+00	1,190931E+20	1,296936E+21
-526	3,678168E+21	6,624363E+21	8,886118E+21	8,885890E+21	6,623952E+21	3,677852E+21	1,296765E+21	1,190362E+20	0,000000E+00	0,000000E+00	1,190675E+20	1,296857E+21
-525	3,677902E+21	6,623909E+21	8,885854E+21	8,886043E+21	6,624244E+21	3,678088E+21	1,296966E+21	1,191126E+20	0,000000E+00	0,000000E+00	1,190635E+20	1,296769E+21
-524	3,677917E+21	6,624205E+21	8,886128E+21	8,886026E+21	6,623978E+21	3,677777E+21	1,296755E+21	1,190749E+20	0,000000E+00	0,000000E+00	1,191354E+20	1,296996E+21
-523	3,678053E+21	6,624043E+21	8,885622E+21	8,885371E+21	6,623685E+21	3,677858E+21	1,296910E+21	1,191117E+20	0,000000E+00	0,000000E+00	1,191035E+20	1,296834E+21
-522	3,677637E+21	6,623421E+21	8,885356E+21	8,885512E+21	6,623850E+21	3,677972E+21	1,297025E+21	1,191768E+20	0,000000E+00	0,000000E+00	1,191514E+20	1,296905E+21
-521	3,677803E+21	6,623560E+21	8,885144E+21	8,885053E+21	6,623316E+21	3,677617E+21	1,296852E+21	1,191445E+20	0,000000E+00	0,000000E+00	1,192058E+20	1,297082E+21
-520	3,677793E+21	6,623120E+21	8,884326E+21	8,884421E+21	6,623275E+21	3,677871E+21	1,297113E+21	1,192188E+20	0,000000E+00	0,000000E+00	1,191774E+20	1,296902E+21
-519	3,677496E+21	6,622878E+21	8,884399E+21	8,884509E+21	6,623200E+21	3,677760E+21	1,297048E+21	1,192294E+20	0,000000E+00	0,000000E+00	1,192357E+20	1,297097E+21
-518	3,677847E+21	6,623167E+21	8,884244E+21	8,883934E+21	6,622585E+21	3,677466E+21	1,296955E+21	1,192034E+20	0,000000E+00	0,000000E+00	1,192416E+20	1,297089E+21
-517	3,677604E+21	6,622670E+21	8,883880E+21	8,884043E+21	6,622946E+21	3,677761E+21	1,297174E+21	1,192647E+20	0,000000E+00	0,000000E+00	1,192077E+20	1,296927E+21

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°
-516	3,677505E+21	6,622899E+21	8,884349E+21	8,884359E+21	6,622951E+21	3,677556E+21	1,296956E+21	1,192229E+20	0,000000E+00	0,000000E+00	1,192625E+20	1,297172E+21
-515	3,677842E+21	6,623105E+21	8,884215E+21	8,883998E+21	6,622765E+21	3,677593E+21	1,296995E+21	1,191990E+20	0,000000E+00	0,000000E+00	1,192093E+20	1,297009E+21
-514	3,677563E+21	6,622782E+21	8,884297E+21	8,884564E+21	6,623305E+21	3,677858E+21	1,297107E+21	1,192269E+20	0,000000E+00	0,000000E+00	1,191791E+20	1,296932E+21
-513	3,677742E+21	6,623379E+21	8,884825E+21	8,884752E+21	6,623176E+21	3,677592E+21	1,296862E+21	1,191572E+20	0,000000E+00	0,000000E+00	1,192072E+20	1,297083E+21
-512	3,677877E+21	6,623409E+21	8,884727E+21	8,884674E+21	6,623376E+21	3,677859E+21	1,297024E+21	1,191629E+20	0,000000E+00	0,000000E+00	1,191225E+20	1,296821E+21
-511	3,677557E+21	6,623271E+21	8,885178E+21	8,885364E+21	6,623759E+21	3,677935E+21	1,296999E+21	1,191718E+20	0,000000E+00	0,000000E+00	1,191427E+20	1,296926E+21
-510	3,677919E+21	6,623779E+21	8,885387E+21	8,885228E+21	6,623422E+21	3,677641E+21	1,296801E+21	1,191004E+20	0,000000E+00	0,000000E+00	1,191514E+20	1,296984E+21
-509	3,677836E+21	6,623508E+21	8,885096E+21	8,885280E+21	6,623794E+21	3,677968E+21	1,297007E+21	1,191446E+20	0,000000E+00	0,000000E+00	1,190935E+20	1,296795E+21
-508	3,677697E+21	6,623659E+21	8,885534E+21	8,885595E+21	6,623856E+21	3,677848E+21	1,296859E+21	1,191251E+20	0,000000E+00	0,000000E+00	1,191580E+20	1,297025E+21
-507	3,678072E+21	6,623959E+21	8,885456E+21	8,885110E+21	6,623390E+21	3,677695E+21	1,296835E+21	1,190977E+20	0,000000E+00	0,000000E+00	1,191290E+20	1,296931E+21
-506	3,677781E+21	6,623433E+21	8,885135E+21	8,885297E+21	6,623724E+21	3,677952E+21	1,297048E+21	1,191777E+20	0,000000E+00	0,000000E+00	1,191248E+20	1,296816E+21
-505	3,677699E+21	6,623576E+21	8,885266E+21	8,885214E+21	6,623453E+21	3,677656E+21	1,296861E+21	1,191508E+20	0,000000E+00	0,000000E+00	1,192051E+20	1,297073E+21
-504	3,677848E+21	6,623354E+21	8,884649E+21	8,884510E+21	6,623169E+21	3,677746E+21	1,297018E+21	1,191910E+20	0,000000E+00	0,000000E+00	1,191790E+20	1,296929E+21
-503	3,677463E+21	6,622710E+21	8,884276E+21	8,884535E+21	6,623289E+21	3,677870E+21	1,297137E+21	1,192529E+20	0,000000E+00	0,000000E+00	1,192269E+20	1,297016E+21
-502	3,677695E+21	6,622963E+21	8,884106E+21	8,883950E+21	6,622596E+21	3,677432E+21	1,296939E+21	1,192162E+20	0,000000E+00	0,000000E+00	1,192812E+20	1,297191E+21
-501	3,677685E+21	6,622593E+21	8,883449E+21	8,883446E+21	6,622557E+21	3,677645E+21	1,297177E+21	1,192828E+20	0,000000E+00	0,000000E+00	1,192455E+20	1,296983E+21
-500	3,677359E+21	6,622359E+21	8,883590E+21	8,883663E+21	6,622601E+21	3,677579E+21	1,297119E+21	1,192948E+20	0,000000E+00	0,000000E+00	1,193039E+20	1,297175E+21
-499	3,677687E+21	6,622672E+21	8,883555E+21	8,883219E+21	6,622070E+21	3,677304E+21	1,297016E+21	1,192649E+20	0,000000E+00	0,000000E+00	1,193066E+20	1,297178E+21
-498	3,677485E+21	6,622168E+21	8,883140E+21	8,883358E+21	6,622515E+21	3,677648E+21	1,297233E+21	1,193176E+20	0,000000E+00	0,000000E+00	1,192651E+20	1,296995E+21
-497	3,677359E+21	6,622369E+21	8,883557E+21	8,883607E+21	6,622500E+21	3,677474E+21	1,297044E+21	1,192806E+20	0,000000E+00	0,000000E+00	1,193172E+20	1,297244E+21
-496	3,677729E+21	6,622629E+21	8,883475E+21	8,883314E+21	6,622351E+21	3,677511E+21	1,297082E+21	1,192570E+20	0,000000E+00	0,000000E+00	1,192592E+20	1,297058E+21
-495	3,677436E+21	6,622321E+21	8,883560E+21	8,883853E+21	6,622877E+21	3,677785E+21	1,297203E+21	1,192867E+20	0,000000E+00	0,000000E+00	1,192286E+20	1,296979E+21
-494	3,677603E+21	6,622921E+21	8,884110E+21	8,883987E+21	6,622642E+21	3,677447E+21	1,296938E+21	1,192166E+20	0,000000E+00	0,000000E+00	1,192637E+20	1,297147E+21
-493	3,677727E+21	6,622915E+21	8,884034E+21	8,883994E+21	6,622860E+21	3,677680E+21	1,297075E+21	1,192167E+20	0,000000E+00	0,000000E+00	1,191825E+20	1,296903E+21
-492	3,677429E+21	6,622751E+21	8,884373E+21	8,884615E+21	6,623288E+21	3,677806E+21	1,297059E+21	1,192274E+20	0,000000E+00	0,000000E+00	1,192088E+20	1,297027E+21
-491	3,677819E+21	6,623335E+21	8,884672E+21	8,884471E+21	6,622911E+21	3,677498E+21	1,296859E+21	1,191540E+20	0,000000E+00	0,000000E+00	1,192133E+20	1,297088E+21
-490	3,677787E+21	6,623107E+21	8,884377E+21	8,884520E+21	6,623278E+21	3,677820E+21	1,297061E+21	1,191970E+20	0,000000E+00	0,000000E+00	1,191488E+20	1,296851E+21
-489	3,677556E+21	6,623182E+21	8,884776E+21	8,884792E+21	6,623315E+21	3,677724E+21	1,296954E+21	1,191907E+20	0,000000E+00	0,000000E+00	1,192153E+20	1,297076E+21
-488	3,677893E+21	6,623417E+21	8,884696E+21	8,884407E+21	6,622915E+21	3,677575E+21	1,296934E+21	1,191714E+20	0,000000E+00	0,000000E+00	1,191921E+20	1,296984E+21
-487	3,677570E+21	6,622787E+21	8,884223E+21	8,884499E+21	6,623254E+21	3,677862E+21	1,297160E+21	1,192538E+20	0,000000E+00	0,000000E+00	1,191967E+20	1,296902E+21
-486	3,677515E+21	6,622906E+21	8,884246E+21	8,884227E+21	6,622838E+21	3,677513E+21	1,296956E+21	1,192240E+20	0,000000E+00	0,000000E+00	1,192830E+20	1,297188E+21
-485	3,677710E+21	6,622723E+21	8,883659E+21	8,883531E+21	6,622495E+21	3,677554E+21	1,297092E+21	1,192570E+20	0,000000E+00	0,000000E+00	1,192555E+20	1,297044E+21
-484	3,677356E+21	6,622140E+21	8,883285E+21	8,883532E+21	6,622642E+21	3,677698E+21	1,297216E+21	1,193191E+20	0,000000E+00	0,000000E+00	1,193009E+20	1,297118E+21
-483	3,677578E+21	6,622495E+21	8,883320E+21	8,883035E+21	6,621940E+21	3,677240E+21	1,297012E+21	1,192825E+20	0,000000E+00	0,000000E+00	1,193491E+20	1,297282E+21
-482	3,677571E+21	6,622116E+21	8,882702E+21	8,882654E+21	6,621978E+21	3,677464E+21	1,297241E+21	1,193452E+20	0,000000E+00	0,000000E+00	1,193073E+20	1,297040E+21
-481	3,677166E+21	6,621783E+21	8,882782E+21	8,882894E+21	6,622094E+21	3,677449E+21	1,297210E+21	1,193646E+20	0,000000E+00	0,000000E+00	1,193680E+20	1,297253E+21

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°
-480	3,677524E+21	6,622084E+21	8,882717E+21	8,882503E+21	6,621650E+21	3,677212E+21	1,297109E+21	1,193338E+20	0,000000E+00	0,000000E+00	1,193696E+20	1,297256E+21
-479	3,677347E+21	6,621610E+21	8,882273E+21	8,882581E+21	6,622081E+21	3,677582E+21	1,297334E+21	1,193815E+20	0,000000E+00	0,000000E+00	1,193244E+20	1,297077E+21
-478	3,677253E+21	6,621888E+21	8,882738E+21	8,882744E+21	6,621945E+21	3,677344E+21	1,297127E+21	1,193407E+20	0,000000E+00	0,000000E+00	1,193739E+20	1,297311E+21
-477	3,677607E+21	6,622180E+21	8,882779E+21	8,882570E+21	6,621799E+21	3,677343E+21	1,297144E+21	1,193098E+20	0,000000E+00	0,000000E+00	1,193127E+20	1,297112E+21
-476	3,677291E+21	6,621855E+21	8,882854E+21	8,883164E+21	6,622407E+21	3,677648E+21	1,297267E+21	1,193417E+20	0,000000E+00	0,000000E+00	1,192864E+20	1,297044E+21
-475	3,677447E+21	6,622468E+21	8,883465E+21	8,883331E+21	6,622187E+21	3,677301E+21	1,296988E+21	1,192684E+20	0,000000E+00	0,000000E+00	1,193219E+20	1,297235E+21
-474	3,677625E+21	6,622458E+21	8,883325E+21	8,883313E+21	6,622421E+21	3,677550E+21	1,297116E+21	1,192628E+20	0,000000E+00	0,000000E+00	1,192361E+20	1,296976E+21
-473	3,677312E+21	6,622278E+21	8,883620E+21	8,883869E+21	6,622814E+21	3,677692E+21	1,297133E+21	1,192822E+20	0,000000E+00	0,000000E+00	1,192641E+20	1,297107E+21
-472	3,677729E+21	6,622890E+21	8,883930E+21	8,883767E+21	6,622471E+21	3,677391E+21	1,296942E+21	1,192151E+20	0,000000E+00	0,000000E+00	1,192669E+20	1,297146E+21
-471	3,677664E+21	6,622651E+21	8,883630E+21	8,883772E+21	6,622810E+21	3,677729E+21	1,297163E+21	1,192633E+20	0,000000E+00	0,000000E+00	1,192079E+20	1,296915E+21
-470	3,677397E+21	6,622655E+21	8,883983E+21	8,883964E+21	6,622736E+21	3,677567E+21	1,297046E+21	1,192611E+20	0,000000E+00	0,000000E+00	1,192826E+20	1,297152E+21
-469	3,677708E+21	6,622811E+21	8,883843E+21	8,883597E+21	6,622339E+21	3,677396E+21	1,297008E+21	1,192388E+20	0,000000E+00	0,000000E+00	1,192673E+20	1,297085E+21
-468	3,677411E+21	6,622157E+21	8,883224E+21	8,883556E+21	6,622682E+21	3,677722E+21	1,297244E+21	1,193227E+20	0,000000E+00	0,000000E+00	1,192769E+20	1,297021E+21
-467	3,677384E+21	6,622344E+21	8,883327E+21	8,883255E+21	6,622197E+21	3,677339E+21	1,297032E+21	1,192906E+20	0,000000E+00	0,000000E+00	1,193566E+20	1,297303E+21
-466	3,677626E+21	6,622218E+21	8,882772E+21	8,882587E+21	6,621854E+21	3,677366E+21	1,297160E+21	1,193210E+20	0,000000E+00	0,000000E+00	1,193202E+20	1,297112E+21
-465	3,677193E+21	6,621593E+21	8,882427E+21	8,882613E+21	6,622009E+21	3,677531E+21	1,297316E+21	1,193926E+20	0,000000E+00	0,000000E+00	1,193648E+20	1,297182E+21
-464	3,677391E+21	6,621900E+21	8,882489E+21	8,882277E+21	6,621435E+21	3,677103E+21	1,297115E+21	1,193608E+20	0,000000E+00	0,000000E+00	1,194144E+20	1,297343E+21
-463	3,677372E+21	6,621492E+21	8,881819E+21	8,881870E+21	6,621519E+21	3,677373E+21	1,297346E+21	1,194186E+20	0,000000E+00	0,000000E+00	1,193768E+20	1,297131E+21
-462	3,677001E+21	6,621164E+21	8,881857E+21	8,881998E+21	6,621536E+21	3,677321E+21	1,297302E+21	1,194331E+20	0,000000E+00	0,000000E+00	1,194367E+20	1,297352E+21
-461	3,677403E+21	6,621536E+21	8,881869E+21	8,881680E+21	6,621098E+21	3,677061E+21	1,297179E+21	1,193920E+20	0,000000E+00	0,000000E+00	1,194349E+20	1,297346E+21
-460	3,677248E+21	6,621136E+21	8,881441E+21	8,881737E+21	6,621560E+21	3,677455E+21	1,297407E+21	1,194380E+20	0,000000E+00	0,000000E+00	1,193849E+20	1,297151E+21
-459	3,677127E+21	6,621477E+21	8,882086E+21	8,881994E+21	6,621416E+21	3,677192E+21	1,297190E+21	1,193951E+20	0,000000E+00	0,000000E+00	1,194281E+20	1,297378E+21
-458	3,677486E+21	6,621752E+21	8,882147E+21	8,881922E+21	6,621326E+21	3,677179E+21	1,297187E+21	1,193589E+20	0,000000E+00	0,000000E+00	1,193637E+20	1,297161E+21
-457	3,677120E+21	6,621338E+21	8,882121E+21	8,882465E+21	6,621962E+21	3,677526E+21	1,297336E+21	1,193980E+20	0,000000E+00	0,000000E+00	1,193423E+20	1,297125E+21
-456	3,677326E+21	6,621952E+21	8,882699E+21	8,882668E+21	6,621806E+21	3,677212E+21	1,297064E+21	1,193261E+20	0,000000E+00	0,000000E+00	1,193771E+20	1,297314E+21
-455	3,677537E+21	6,622011E+21	8,882569E+21	8,882572E+21	6,621986E+21	3,677465E+21	1,297198E+21	1,193196E+20	0,000000E+00	0,000000E+00	1,192916E+20	1,297057E+21
-454	3,677228E+21	6,621858E+21	8,882882E+21	8,883040E+21	6,622257E+21	3,677544E+21	1,297210E+21	1,193420E+20	0,000000E+00	0,000000E+00	1,193198E+20	1,297170E+21
-453	3,677605E+21	6,622449E+21	8,883259E+21	8,883044E+21	6,621927E+21	3,677223E+21	1,297010E+21	1,192744E+20	0,000000E+00	0,000000E+00	1,193260E+20	1,297203E+21
-452	3,677496E+21	6,622129E+21	8,882858E+21	8,883027E+21	6,622318E+21	3,677591E+21	1,297241E+21	1,193283E+20	0,000000E+00	0,000000E+00	1,192767E+20	1,296991E+21
-451	3,677210E+21	6,622096E+21	8,883194E+21	8,883179E+21	6,622223E+21	3,677424E+21	1,297119E+21	1,193247E+20	0,000000E+00	0,000000E+00	1,193526E+20	1,297251E+21
-450	3,677570E+21	6,622235E+21	8,882964E+21	8,882744E+21	6,621798E+21	3,677248E+21	1,297073E+21	1,192992E+20	0,000000E+00	0,000000E+00	1,193349E+20	1,297173E+21
-449	3,677261E+21	6,621563E+21	8,882278E+21	8,882602E+21	6,622088E+21	3,677584E+21	1,297341E+21	1,193916E+20	0,000000E+00	0,000000E+00	1,193449E+20	1,297117E+21
-448	3,677260E+21	6,621769E+21	8,882403E+21	8,882362E+21	6,621642E+21	3,677204E+21	1,297135E+21	1,193657E+20	0,000000E+00	0,000000E+00	1,194209E+20	1,297372E+21
-447	3,677472E+21	6,621662E+21	8,881899E+21	8,881690E+21	6,621276E+21	3,677234E+21	1,297270E+21	1,193984E+20	0,000000E+00	0,000000E+00	1,193892E+20	1,297191E+21
-446	3,677016E+21	6,620987E+21	8,881538E+21	8,881699E+21	6,621369E+21	3,677341E+21	1,297409E+21	1,194704E+20	0,000000E+00	0,000000E+00	1,194380E+20	1,297273E+21
-445	3,677215E+21	6,621263E+21	8,881581E+21	8,881419E+21	6,620857E+21	3,676932E+21	1,297194E+21	1,194323E+20	0,000000E+00	0,000000E+00	1,194919E+20	1,297451E+21

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°
-444	3,677231E+21	6,620887E+21	8,880869E+21	8,880961E+21	6,620977E+21	3,677245E+21	1,297428E+21	1,194848E+20	0,000000E+00	0,000000E+00	1,194536E+20	1,297245E+21
-443	3,676897E+21	6,620676E+21	8,881042E+21	8,881116E+21	6,620953E+21	3,677164E+21	1,297370E+21	1,194924E+20	0,000000E+00	0,000000E+00	1,195009E+20	1,297445E+21
-442	3,677318E+21	6,621098E+21	8,881118E+21	8,880873E+21	6,620559E+21	3,676903E+21	1,297233E+21	1,194443E+20	0,000000E+00	0,000000E+00	1,194873E+20	1,297390E+21
-441	3,677087E+21	6,620662E+21	8,880737E+21	8,880981E+21	6,621055E+21	3,677323E+21	1,297485E+21	1,194960E+20	0,000000E+00	0,000000E+00	1,194358E+20	1,297201E+21
-440	3,676960E+21	6,620940E+21	8,881369E+21	8,881376E+21	6,621030E+21	3,677085E+21	1,297269E+21	1,194567E+20	0,000000E+00	0,000000E+00	1,194785E+20	1,297423E+21
-439	3,677320E+21	6,621223E+21	8,881400E+21	8,881252E+21	6,620948E+21	3,677106E+21	1,297269E+21	1,194163E+20	0,000000E+00	0,000000E+00	1,194196E+20	1,297244E+21
-438	3,677002E+21	6,620836E+21	8,881352E+21	8,881680E+21	6,621454E+21	3,677392E+21	1,297405E+21	1,194541E+20	0,000000E+00	0,000000E+00	1,193992E+20	1,297214E+21
-437	3,677247E+21	6,621510E+21	8,881986E+21	8,881928E+21	6,621301E+21	3,677071E+21	1,297125E+21	1,193779E+20	0,000000E+00	0,000000E+00	1,194345E+20	1,297393E+21
-436	3,677459E+21	6,621618E+21	8,881871E+21	8,881810E+21	6,621498E+21	3,677340E+21	1,297265E+21	1,193744E+20	0,000000E+00	0,000000E+00	1,193503E+20	1,297126E+21
-435	3,677112E+21	6,621480E+21	8,882282E+21	8,882327E+21	6,621737E+21	3,677388E+21	1,297273E+21	1,193988E+20	0,000000E+00	0,000000E+00	1,193768E+20	1,297231E+21
-434	3,677460E+21	6,621969E+21	8,882585E+21	8,882377E+21	6,621463E+21	3,677067E+21	1,297064E+21	1,193317E+20	0,000000E+00	0,000000E+00	1,193845E+20	1,297257E+21
-433	3,677298E+21	6,621523E+21	8,882016E+21	8,882229E+21	6,621837E+21	3,677477E+21	1,297331E+21	1,193958E+20	0,000000E+00	0,000000E+00	1,193450E+20	1,297089E+21
-432	3,677056E+21	6,621437E+21	8,882245E+21	8,882353E+21	6,621754E+21	3,677327E+21	1,297221E+21	1,193967E+20	0,000000E+00	0,000000E+00	1,194196E+20	1,297339E+21
-431	3,677438E+21	6,621650E+21	8,882016E+21	8,881802E+21	6,621239E+21	3,677139E+21	1,297181E+21	1,193721E+20	0,000000E+00	0,000000E+00	1,194053E+20	1,297273E+21
-430	3,677134E+21	6,620995E+21	8,881342E+21	8,881565E+21	6,621383E+21	3,677393E+21	1,297436E+21	1,194668E+20	0,000000E+00	0,000000E+00	1,194147E+20	1,297200E+21
-429	3,677111E+21	6,621200E+21	8,881547E+21	8,881441E+21	6,620978E+21	3,677008E+21	1,297220E+21	1,194393E+20	0,000000E+00	0,000000E+00	1,194945E+20	1,297454E+21
-428	3,677301E+21	6,621058E+21	8,880996E+21	8,880789E+21	6,620683E+21	3,677064E+21	1,297352E+21	1,194722E+20	0,000000E+00	0,000000E+00	1,194686E+20	1,297289E+21
-427	3,676850E+21	6,620407E+21	8,880670E+21	8,880818E+21	6,620792E+21	3,677176E+21	1,297478E+21	1,195369E+20	0,000000E+00	0,000000E+00	1,195122E+20	1,297383E+21
-426	3,677098E+21	6,620706E+21	8,880718E+21	8,880575E+21	6,620320E+21	3,676779E+21	1,297253E+21	1,194917E+20	0,000000E+00	0,000000E+00	1,195580E+20	1,297534E+21
-425	3,677094E+21	6,620335E+21	8,880006E+21	8,880086E+21	6,620440E+21	3,677125E+21	1,297517E+21	1,195471E+20	0,000000E+00	0,000000E+00	1,195154E+20	1,297329E+21
-424	3,676777E+21	6,620141E+21	8,880239E+21	8,880359E+21	6,620492E+21	3,677066E+21	1,297467E+21	1,195576E+20	0,000000E+00	0,000000E+00	1,195526E+20	1,297486E+21
-423	3,677157E+21	6,620605E+21	8,880394E+21	8,880134E+21	6,620087E+21	3,676806E+21	1,297331E+21	1,195084E+20	0,000000E+00	0,000000E+00	1,195426E+20	1,297446E+21
-422	3,676910E+21	6,620115E+21	8,879973E+21	8,880199E+21	6,620515E+21	3,677163E+21	1,297559E+21	1,195590E+20	0,000000E+00	0,000000E+00	1,194937E+20	1,297274E+21
-421	3,676819E+21	6,620398E+21	8,880587E+21	8,880625E+21	6,620546E+21	3,676951E+21	1,297332E+21	1,195135E+20	0,000000E+00	0,000000E+00	1,195413E+20	1,297514E+21
-420	3,677226E+21	6,620736E+21	8,880607E+21	8,880467E+21	6,620470E+21	3,676986E+21	1,297330E+21	1,194700E+20	0,000000E+00	0,000000E+00	1,194825E+20	1,297342E+21
-419	3,676947E+21	6,620480E+21	8,880703E+21	8,880934E+21	6,620934E+21	3,677235E+21	1,297452E+21	1,195033E+20	0,000000E+00	0,000000E+00	1,194540E+20	1,297294E+21
-418	3,677186E+21	6,621161E+21	8,881393E+21	8,881258E+21	6,620828E+21	3,676919E+21	1,297170E+21	1,194261E+20	0,000000E+00	0,000000E+00	1,194821E+20	1,297426E+21
-417	3,677299E+21	6,621171E+21	8,881259E+21	8,881157E+21	6,621049E+21	3,677223E+21	1,297342E+21	1,194326E+20	0,000000E+00	0,000000E+00	1,194042E+20	1,297180E+21
-416	3,676936E+21	6,620908E+21	8,881550E+21	8,881723E+21	6,621374E+21	3,677304E+21	1,297363E+21	1,194637E+20	0,000000E+00	0,000000E+00	1,194330E+20	1,297279E+21
-415	3,677267E+21	6,621368E+21	8,881748E+21	8,881620E+21	6,621045E+21	3,677004E+21	1,297163E+21	1,193972E+20	0,000000E+00	0,000000E+00	1,194503E+20	1,297350E+21
-414	3,677149E+21	6,620909E+21	8,881085E+21	8,881282E+21	6,621233E+21	3,677331E+21	1,297420E+21	1,194641E+20	0,000000E+00	0,000000E+00	1,194147E+20	1,297195E+21
-413	3,676957E+21	6,620868E+21	8,881303E+21	8,881378E+21	6,621125E+21	3,677168E+21	1,297306E+21	1,194637E+20	0,000000E+00	0,000000E+00	1,194910E+20	1,297435E+21
-412	3,677329E+21	6,621119E+21	8,881108E+21	8,880820E+21	6,620596E+21	3,676971E+21	1,297268E+21	1,194436E+20	0,000000E+00	0,000000E+00	1,194797E+20	1,297367E+21
-411	3,677009E+21	6,620513E+21	8,880565E+21	8,880661E+21	6,620703E+21	3,677169E+21	1,297501E+21	1,195357E+20	0,000000E+00	0,000000E+00	1,194874E+20	1,297291E+21
-410	3,676963E+21	6,620632E+21	8,880720E+21	8,880611E+21	6,620395E+21	3,676811E+21	1,297279E+21	1,195065E+20	0,000000E+00	0,000000E+00	1,195652E+20	1,297533E+21
-409	3,677112E+21	6,620422E+21	8,880092E+21	8,879917E+21	6,620146E+21	3,676934E+21	1,297440E+21	1,195430E+20	0,000000E+00	0,000000E+00	1,195440E+20	1,297399E+21

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°
-408	3,676716E+21	6,619769E+21	8,879733E+21	8,879984E+21	6,620306E+21	3,677079E+21	1,297580E+21	1,196085E+20	0,000000E+00	0,000000E+00	1,195772E+20	1,297457E+21
-407	3,676959E+21	6,620154E+21	8,879835E+21	8,879697E+21	6,619806E+21	3,676695E+21	1,297365E+21	1,195622E+20	0,000000E+00	0,000000E+00	1,196210E+20	1,297606E+21
-406	3,676936E+21	6,619779E+21	8,879159E+21	8,879170E+21	6,619816E+21	3,676968E+21	1,297613E+21	1,196168E+20	0,000000E+00	0,000000E+00	1,195748E+20	1,297388E+21
-405	3,676609E+21	6,619571E+21	8,879431E+21	8,879547E+21	6,619932E+21	3,676916E+21	1,297551E+21	1,196236E+20	0,000000E+00	0,000000E+00	1,196145E+20	1,297544E+21
-404	3,676976E+21	6,620023E+21	8,879564E+21	8,879349E+21	6,619591E+21	3,676673E+21	1,297404E+21	1,195707E+20	0,000000E+00	0,000000E+00	1,196092E+20	1,297533E+21
-403	3,676784E+21	6,619634E+21	8,879227E+21	8,879426E+21	6,619988E+21	3,677001E+21	1,297603E+21	1,196103E+20	0,000000E+00	0,000000E+00	1,195552E+20	1,297376E+21
-402	3,676755E+21	6,619975E+21	8,879884E+21	8,879909E+21	6,620069E+21	3,676804E+21	1,297369E+21	1,195594E+20	0,000000E+00	0,000000E+00	1,195947E+20	1,297586E+21
-401	3,677141E+21	6,620335E+21	8,879944E+21	8,879767E+21	6,620021E+21	3,676876E+21	1,297394E+21	1,195200E+20	0,000000E+00	0,000000E+00	1,195345E+20	1,297414E+21
-400	3,676863E+21	6,620068E+21	8,880085E+21	8,880342E+21	6,620549E+21	3,677148E+21	1,297532E+21	1,195597E+20	0,000000E+00	0,000000E+00	1,194993E+20	1,297324E+21
-399	3,677034E+21	6,620725E+21	8,880780E+21	8,880651E+21	6,620437E+21	3,676844E+21	1,297262E+21	1,194865E+20	0,000000E+00	0,000000E+00	1,195356E+20	1,297476E+21
-398	3,677109E+21	6,620600E+21	8,880491E+21	8,880416E+21	6,620550E+21	3,677091E+21	1,297425E+21	1,194974E+20	0,000000E+00	0,000000E+00	1,194664E+20	1,297261E+21
-397	3,676789E+21	6,620302E+21	8,880661E+21	8,880893E+21	6,620871E+21	3,677194E+21	1,297445E+21	1,195270E+20	0,000000E+00	0,000000E+00	1,195036E+20	1,297378E+21
-396	3,677146E+21	6,620796E+21	8,880813E+21	8,880682E+21	6,620467E+21	3,676872E+21	1,297247E+21	1,194623E+20	0,000000E+00	0,000000E+00	1,195233E+20	1,297458E+21
-395	3,677072E+21	6,620454E+21	8,880250E+21	8,880325E+21	6,620557E+21	3,677127E+21	1,297480E+21	1,195260E+20	0,000000E+00	0,000000E+00	1,194827E+20	1,297290E+21
-394	3,676870E+21	6,620416E+21	8,880529E+21	8,880509E+21	6,620491E+21	3,676962E+21	1,297362E+21	1,195255E+20	0,000000E+00	0,000000E+00	1,195532E+20	1,297491E+21
-393	3,677152E+21	6,620567E+21	8,880315E+21	8,880000E+21	6,620020E+21	3,676803E+21	1,297350E+21	1,195146E+20	0,000000E+00	0,000000E+00	1,195488E+20	1,297446E+21
-392	3,676827E+21	6,619868E+21	8,879707E+21	8,879925E+21	6,620237E+21	3,677053E+21	1,297595E+21	1,196091E+20	0,000000E+00	0,000000E+00	1,195546E+20	1,297360E+21
-391	3,676772E+21	6,619999E+21	8,879818E+21	8,879778E+21	6,619913E+21	3,676736E+21	1,297391E+21	1,195806E+20	0,000000E+00	0,000000E+00	1,196372E+20	1,297627E+21
-390	3,676941E+21	6,619764E+21	8,879121E+21	8,878961E+21	6,619531E+21	3,676798E+21	1,297545E+21	1,196172E+20	0,000000E+00	0,000000E+00	1,196159E+20	1,297497E+21
-389	3,676594E+21	6,619176E+21	8,878774E+21	8,879025E+21	6,619713E+21	3,676953E+21	1,297679E+21	1,196785E+20	0,000000E+00	0,000000E+00	1,196464E+20	1,297534E+21
-388	3,676805E+21	6,619594E+21	8,878942E+21	8,878759E+21	6,619201E+21	3,676555E+21	1,297461E+21	1,196329E+20	0,000000E+00	0,000000E+00	1,196895E+20	1,297682E+21
-387	3,676792E+21	6,619281E+21	8,878387E+21	8,878328E+21	6,619185E+21	3,676761E+21	1,297671E+21	1,196790E+20	0,000000E+00	0,000000E+00	1,196403E+20	1,297474E+21
-386	3,676478E+21	6,619045E+21	8,878640E+21	8,878785E+21	6,619403E+21	3,676732E+21	1,297593E+21	1,196793E+20	0,000000E+00	0,000000E+00	1,196757E+20	1,297623E+21
-385	3,676835E+21	6,619489E+21	8,878766E+21	8,878588E+21	6,619117E+21	3,676552E+21	1,297467E+21	1,196259E+20	0,000000E+00	0,000000E+00	1,196725E+20	1,297640E+21
-384	3,676716E+21	6,619167E+21	8,878500E+21	8,878762E+21	6,619568E+21	3,676900E+21	1,297672E+21	1,196639E+20	0,000000E+00	0,000000E+00	1,196065E+20	1,297442E+21
-383	3,676677E+21	6,619606E+21	8,879243E+21	8,879236E+21	6,619651E+21	3,676730E+21	1,297455E+21	1,196146E+20	0,000000E+00	0,000000E+00	1,196445E+20	1,297639E+21
-382	3,677010E+21	6,619910E+21	8,879314E+21	8,879079E+21	6,619521E+21	3,676746E+21	1,297472E+21	1,195782E+20	0,000000E+00	0,000000E+00	1,195840E+20	1,297459E+21
-381	3,676718E+21	6,619587E+21	8,879394E+21	8,879668E+21	6,620101E+21	3,677041E+21	1,297611E+21	1,196193E+20	0,000000E+00	0,000000E+00	1,195558E+20	1,297368E+21
-380	3,676838E+21	6,620155E+21	8,879981E+21	8,879924E+21	6,619998E+21	3,676749E+21	1,297344E+21	1,195479E+20	0,000000E+00	0,000000E+00	1,195992E+20	1,297554E+21
-379	3,676973E+21	6,620093E+21	8,879695E+21	8,879611E+21	6,619995E+21	3,676928E+21	1,297479E+21	1,195526E+20	0,000000E+00	0,000000E+00	1,195323E+20	1,297367E+21
-378	3,676708E+21	6,619809E+21	8,879820E+21	8,880050E+21	6,620305E+21	3,677025E+21	1,297498E+21	1,195810E+20	0,000000E+00	0,000000E+00	1,195650E+20	1,297458E+21
-377	3,677032E+21	6,620306E+21	8,879996E+21	8,879826E+21	6,619907E+21	3,676732E+21	1,297326E+21	1,195237E+20	0,000000E+00	0,000000E+00	1,195874E+20	1,297548E+21
-376	3,676962E+21	6,619963E+21	8,879497E+21	8,879567E+21	6,620021E+21	3,676982E+21	1,297566E+21	1,195942E+20	0,000000E+00	0,000000E+00	1,195421E+20	1,297341E+21
-375	3,676695E+21	6,619889E+21	8,879766E+21	8,879746E+21	6,619971E+21	3,676838E+21	1,297465E+21	1,195997E+20	0,000000E+00	0,000000E+00	1,196206E+20	1,297560E+21
-374	3,676936E+21	6,619895E+21	8,879394E+21	8,879137E+21	6,619441E+21	3,676648E+21	1,297447E+21	1,195934E+20	0,000000E+00	0,000000E+00	1,196244E+20	1,297546E+21
-373	3,676663E+21	6,619190E+21	8,878680E+21	8,878966E+21	6,619670E+21	3,676939E+21	1,297698E+21	1,196846E+20	0,000000E+00	0,000000E+00	1,196351E+20	1,297466E+21

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°
-372	3,676617E+21	6,619350E+21	8,878789E+21	8,878767E+21	6,619300E+21	3,676615E+21	1,297501E+21	1,196569E+20	0,000000E+00	0,000000E+00	1,197152E+20	1,297733E+21
-371	3,676831E+21	6,619241E+21	8,878208E+21	8,877969E+21	6,618834E+21	3,676599E+21	1,297621E+21	1,196852E+20	0,000000E+00	0,000000E+00	1,196884E+20	1,297593E+21
-370	3,676477E+21	6,618663E+21	8,877924E+21	8,878130E+21	6,619077E+21	3,676753E+21	1,297742E+21	1,197413E+20	0,000000E+00	0,000000E+00	1,197095E+20	1,297594E+21
-369	3,676615E+21	6,619017E+21	8,878116E+21	8,877948E+21	6,618650E+21	3,676398E+21	1,297536E+21	1,196976E+20	0,000000E+00	0,000000E+00	1,197556E+20	1,297768E+21
-368	3,676634E+21	6,618694E+21	8,877581E+21	8,877626E+21	6,618731E+21	3,676636E+21	1,297741E+21	1,197394E+20	0,000000E+00	0,000000E+00	1,196990E+20	1,297548E+21
-367	3,676349E+21	6,618552E+21	8,877883E+21	8,878057E+21	6,618959E+21	3,676645E+21	1,297677E+21	1,197379E+20	0,000000E+00	0,000000E+00	1,197343E+20	1,297708E+21
-366	3,676722E+21	6,618993E+21	8,877987E+21	8,877817E+21	6,618611E+21	3,676427E+21	1,297547E+21	1,196847E+20	0,000000E+00	0,000000E+00	1,197273E+20	1,297719E+21
-365	3,676641E+21	6,618755E+21	8,877783E+21	8,878023E+21	6,619112E+21	3,676807E+21	1,297751E+21	1,197199E+20	0,000000E+00	0,000000E+00	1,196597E+20	1,297494E+21
-364	3,676544E+21	6,619186E+21	8,878587E+21	8,878533E+21	6,619180E+21	3,676628E+21	1,297544E+21	1,196747E+20	0,000000E+00	0,000000E+00	1,196983E+20	1,297686E+21
-363	3,676862E+21	6,619476E+21	8,878673E+21	8,878416E+21	6,619011E+21	3,676574E+21	1,297525E+21	1,196323E+20	0,000000E+00	0,000000E+00	1,196412E+20	1,297529E+21
-362	3,676580E+21	6,619089E+21	8,878641E+21	8,878978E+21	6,619647E+21	3,676889E+21	1,297654E+21	1,196704E+20	0,000000E+00	0,000000E+00	1,196144E+20	1,297441E+21
-361	3,676683E+21	6,619604E+21	8,879154E+21	8,879153E+21	6,619529E+21	3,676638E+21	1,297414E+21	1,196031E+20	0,000000E+00	0,000000E+00	1,196624E+20	1,297656E+21
-360	3,676882E+21	6,619592E+21	8,878906E+21	8,878870E+21	6,619511E+21	3,676805E+21	1,297555E+21	1,196113E+20	0,000000E+00	0,000000E+00	1,195885E+20	1,297439E+21
-359	3,676610E+21	6,619389E+21	8,879089E+21	8,879259E+21	6,619781E+21	3,676907E+21	1,297592E+21	1,196455E+20	0,000000E+00	0,000000E+00	1,196238E+20	1,297519E+21
-358	3,676863E+21	6,619774E+21	8,879208E+21	8,878999E+21	6,619312E+21	3,676567E+21	1,297418E+21	1,195959E+20	0,000000E+00	0,000000E+00	1,196503E+20	1,297615E+21
-357	3,676792E+21	6,619382E+21	8,878638E+21	8,878741E+21	6,619488E+21	3,676847E+21	1,297655E+21	1,196667E+20	0,000000E+00	0,000000E+00	1,196150E+20	1,297416E+21
-356	3,676490E+21	6,619232E+21	8,878816E+21	8,878857E+21	6,619429E+21	3,676720E+21	1,297566E+21	1,196746E+20	0,000000E+00	0,000000E+00	1,196982E+20	1,297664E+21
-355	3,676794E+21	6,619298E+21	8,878444E+21	8,878195E+21	6,618804E+21	3,676468E+21	1,297520E+21	1,196619E+20	0,000000E+00	0,000000E+00	1,197041E+20	1,297670E+21
-354	3,676568E+21	6,618632E+21	8,877716E+21	8,878006E+21	6,619044E+21	3,676760E+21	1,297768E+21	1,197486E+20	0,000000E+00	0,000000E+00	1,197070E+20	1,297559E+21
-353	3,676473E+21	6,618787E+21	8,877874E+21	8,877829E+21	6,618695E+21	3,676469E+21	1,297594E+21	1,197256E+20	0,000000E+00	0,000000E+00	1,197847E+20	1,297825E+21
-352	3,676692E+21	6,618693E+21	8,877401E+21	8,877162E+21	6,618264E+21	3,676444E+21	1,297711E+21	1,197551E+20	0,000000E+00	0,000000E+00	1,197507E+20	1,297654E+21
-351	3,676304E+21	6,618119E+21	8,877122E+21	8,877337E+21	6,618547E+21	3,676617E+21	1,297836E+21	1,198113E+20	0,000000E+00	0,000000E+00	1,197740E+20	1,297667E+21
-350	3,676416E+21	6,618379E+21	8,877215E+21	8,877103E+21	6,618107E+21	3,676253E+21	1,297621E+21	1,197675E+20	0,000000E+00	0,000000E+00	1,198222E+20	1,297866E+21
-349	3,676522E+21	6,618145E+21	8,876687E+21	8,876754E+21	6,618218E+21	3,676525E+21	1,297822E+21	1,198024E+20	0,000000E+00	0,000000E+00	1,197645E+20	1,297635E+21
-348	3,676238E+21	6,618064E+21	8,877071E+21	8,877223E+21	6,618439E+21	3,676535E+21	1,297768E+21	1,198014E+20	0,000000E+00	0,000000E+00	1,197936E+20	1,297784E+21
-347	3,676641E+21	6,618614E+21	8,877319E+21	8,877072E+21	6,618061E+21	3,676253E+21	1,297603E+21	1,197396E+20	0,000000E+00	0,000000E+00	1,197824E+20	1,297781E+21
-346	3,676529E+21	6,618354E+21	8,877150E+21	8,877363E+21	6,618628E+21	3,676641E+21	1,297800E+21	1,197709E+20	0,000000E+00	0,000000E+00	1,197098E+20	1,297531E+21
-345	3,676348E+21	6,618668E+21	8,877904E+21	8,877911E+21	6,618779E+21	3,676521E+21	1,297612E+21	1,197291E+20	0,000000E+00	0,000000E+00	1,197537E+20	1,297750E+21
-344	3,676693E+21	6,618933E+21	8,877963E+21	8,877810E+21	6,618634E+21	3,676479E+21	1,297592E+21	1,196853E+20	0,000000E+00	0,000000E+00	1,196944E+20	1,297596E+21
-343	3,676451E+21	6,618611E+21	8,877888E+21	8,878249E+21	6,619213E+21	3,676804E+21	1,297736E+21	1,197260E+20	0,000000E+00	0,000000E+00	1,196719E+20	1,297523E+21
-342	3,676555E+21	6,619075E+21	8,878317E+21	8,878328E+21	6,619004E+21	3,676507E+21	1,297496E+21	1,196643E+20	0,000000E+00	0,000000E+00	1,197209E+20	1,297742E+21
-341	3,676798E+21	6,619138E+21	8,878096E+21	8,878011E+21	6,618978E+21	3,676681E+21	1,297636E+21	1,196751E+20	0,000000E+00	0,000000E+00	1,196510E+20	1,297508E+21
-340	3,676463E+21	6,618897E+21	8,878326E+21	8,878434E+21	6,619209E+21	3,676758E+21	1,297688E+21	1,197165E+20	0,000000E+00	0,000000E+00	1,196903E+20	1,297595E+21
-339	3,676716E+21	6,619248E+21	8,878415E+21	8,878189E+21	6,618711E+21	3,676360E+21	1,297481E+21	1,196635E+20	0,000000E+00	0,000000E+00	1,197240E+20	1,297717E+21
-338	3,676654E+21	6,618806E+21	8,877742E+21	8,877883E+21	6,618925E+21	3,676669E+21	1,297715E+21	1,197308E+20	0,000000E+00	0,000000E+00	1,196908E+20	1,297522E+21
-337	3,676336E+21	6,618613E+21	8,877859E+21	8,877937E+21	6,618866E+21	3,676592E+21	1,297655E+21	1,197423E+20	0,000000E+00	0,000000E+00	1,197740E+20	1,297779E+21

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°
-336	3,676678E+21	6,618729E+21	8,877552E+21	8,877322E+21	6,618240E+21	3,676331E+21	1,297614E+21	1,197318E+20	0,000000E+00	0,000000E+00	1,197713E+20	1,297750E+21
-335	3,676440E+21	6,618139E+21	8,876881E+21	8,877105E+21	6,618461E+21	3,676630E+21	1,297874E+21	1,198210E+20	0,000000E+00	0,000000E+00	1,197724E+20	1,297623E+21
-334	3,676265E+21	6,618147E+21	8,876967E+21	8,876923E+21	6,618076E+21	3,676304E+21	1,297699E+21	1,198040E+20	0,000000E+00	0,000000E+00	1,198496E+20	1,297890E+21
-333	3,676498E+21	6,618050E+21	8,876457E+21	8,876272E+21	6,617724E+21	3,676312E+21	1,297805E+21	1,198295E+20	0,000000E+00	0,000000E+00	1,198214E+20	1,297730E+21
-332	3,676108E+21	6,617481E+21	8,876199E+21	8,876442E+21	6,617988E+21	3,676486E+21	1,297932E+21	1,198830E+20	0,000000E+00	0,000000E+00	1,198437E+20	1,297767E+21
-331	3,676304E+21	6,617840E+21	8,876347E+21	8,876220E+21	6,617507E+21	3,676075E+21	1,297685E+21	1,198289E+20	0,000000E+00	0,000000E+00	1,198902E+20	1,297973E+21
-330	3,676456E+21	6,617706E+21	8,875911E+21	8,875950E+21	6,617687E+21	3,676358E+21	1,297871E+21	1,198539E+20	0,000000E+00	0,000000E+00	1,198231E+20	1,297711E+21
-329	3,676130E+21	6,617642E+21	8,876387E+21	8,876493E+21	6,617962E+21	3,676415E+21	1,297839E+21	1,198562E+20	0,000000E+00	0,000000E+00	1,198476E+20	1,297846E+21
-328	3,676509E+21	6,618177E+21	8,876734E+21	8,876501E+21	6,617650E+21	3,676133E+21	1,297672E+21	1,197945E+20	0,000000E+00	0,000000E+00	1,198306E+20	1,297819E+21
-327	3,676366E+21	6,617899E+21	8,876517E+21	8,876760E+21	6,618244E+21	3,676542E+21	1,297874E+21	1,198267E+20	0,000000E+00	0,000000E+00	1,197636E+20	1,297590E+21
-326	3,676154E+21	6,618055E+21	8,877078E+21	8,877175E+21	6,618343E+21	3,676416E+21	1,297689E+21	1,197884E+20	0,000000E+00	0,000000E+00	1,198115E+20	1,297835E+21
-325	3,676584E+21	6,618410E+21	8,877105E+21	8,876978E+21	6,618171E+21	3,676389E+21	1,297669E+21	1,197431E+20	0,000000E+00	0,000000E+00	1,197560E+20	1,297683E+21
-324	3,676355E+21	6,618153E+21	8,877098E+21	8,877389E+21	6,618665E+21	3,676677E+21	1,297823E+21	1,197882E+20	0,000000E+00	0,000000E+00	1,197321E+20	1,297608E+21
-323	3,676486E+21	6,618676E+21	8,877605E+21	8,877500E+21	6,618398E+21	3,676312E+21	1,297555E+21	1,197233E+20	0,000000E+00	0,000000E+00	1,197823E+20	1,297820E+21
-322	3,676695E+21	6,618705E+21	8,877401E+21	8,877258E+21	6,618422E+21	3,676479E+21	1,297684E+21	1,197328E+20	0,000000E+00	0,000000E+00	1,197136E+20	1,297574E+21
-321	3,676285E+21	6,618342E+21	8,877549E+21	8,877692E+21	6,618725E+21	3,676617E+21	1,297758E+21	1,197794E+20	0,000000E+00	0,000000E+00	1,197584E+20	1,297684E+21
-320	3,676553E+21	6,618661E+21	8,877613E+21	8,877457E+21	6,618247E+21	3,676240E+21	1,297561E+21	1,197286E+20	0,000000E+00	0,000000E+00	1,197904E+20	1,297803E+21
-319	3,676516E+21	6,618256E+21	8,876884E+21	8,877029E+21	6,618408E+21	3,676565E+21	1,297818E+21	1,197999E+20	0,000000E+00	0,000000E+00	1,197604E+20	1,297611E+21
-318	3,676167E+21	6,617966E+21	8,876887E+21	8,876991E+21	6,618284E+21	3,676467E+21	1,297769E+21	1,198185E+20	0,000000E+00	0,000000E+00	1,198411E+20	1,297860E+21
-317	3,676533E+21	6,618155E+21	8,876601E+21	8,876327E+21	6,617641E+21	3,676208E+21	1,297727E+21	1,198109E+20	0,000000E+00	0,000000E+00	1,198423E+20	1,297817E+21
-316	3,676237E+21	6,617516E+21	8,875967E+21	8,876140E+21	6,617815E+21	3,676470E+21	1,297988E+21	1,199027E+20	0,000000E+00	0,000000E+00	1,198444E+20	1,297706E+21
-315	3,676092E+21	6,617506E+21	8,876026E+21	8,875992E+21	6,617427E+21	3,676087E+21	1,297766E+21	1,198769E+20	0,000000E+00	0,000000E+00	1,199264E+20	1,297999E+21
-314	3,676365E+21	6,617441E+21	8,875505E+21	8,875344E+21	6,617117E+21	3,676112E+21	1,297857E+21	1,198922E+20	0,000000E+00	0,000000E+00	1,198963E+20	1,297842E+21
-313	3,675990E+21	6,616919E+21	8,875310E+21	8,875556E+21	6,617428E+21	3,676339E+21	1,298002E+21	1,199438E+20	0,000000E+00	0,000000E+00	1,199124E+20	1,297876E+21
-312	3,676222E+21	6,617388E+21	8,875630E+21	8,875477E+21	6,617009E+21	3,675942E+21	1,297758E+21	1,198882E+20	0,000000E+00	0,000000E+00	1,199467E+20	1,298036E+21
-311	3,676349E+21	6,617322E+21	8,875296E+21	8,875259E+21	6,617223E+21	3,676247E+21	1,297951E+21	1,199114E+20	0,000000E+00	0,000000E+00	1,198757E+20	1,297753E+21
-310	3,675938E+21	6,617096E+21	8,875675E+21	8,875817E+21	6,617517E+21	3,676302E+21	1,297924E+21	1,199182E+20	0,000000E+00	0,000000E+00	1,198987E+20	1,297889E+21
-309	3,676333E+21	6,617627E+21	8,875945E+21	8,875789E+21	6,617267E+21	3,676058E+21	1,297750E+21	1,198534E+20	0,000000E+00	0,000000E+00	1,198880E+20	1,297877E+21
-308	3,676194E+21	6,617347E+21	8,875725E+21	8,875982E+21	6,617784E+21	3,676451E+21	1,297958E+21	1,198855E+20	0,000000E+00	0,000000E+00	1,198222E+20	1,297682E+21
-307	3,676075E+21	6,617567E+21	8,876278E+21	8,876359E+21	6,617803E+21	3,676255E+21	1,297743E+21	1,198408E+20	0,000000E+00	0,000000E+00	1,198714E+20	1,297932E+21
-306	3,676537E+21	6,618012E+21	8,876382E+21	8,876189E+21	6,617636E+21	3,676216E+21	1,297713E+21	1,197917E+20	0,000000E+00	0,000000E+00	1,198132E+20	1,297763E+21
-305	3,676269E+21	6,617762E+21	8,876452E+21	8,876650E+21	6,618144E+21	3,676527E+21	1,297885E+21	1,198433E+20	0,000000E+00	0,000000E+00	1,197899E+20	1,297680E+21
-304	3,676360E+21	6,618242E+21	8,877019E+21	8,876880E+21	6,617933E+21	3,676167E+21	1,297625E+21	1,197835E+20	0,000000E+00	0,000000E+00	1,198383E+20	1,297875E+21
-303	3,676541E+21	6,618221E+21	8,876726E+21	8,876586E+21	6,617987E+21	3,676363E+21	1,297760E+21	1,197963E+20	0,000000E+00	0,000000E+00	1,197782E+20	1,297649E+21
-302	3,676094E+21	6,617681E+21	8,876626E+21	8,876849E+21	6,618230E+21	3,676513E+21	1,297855E+21	1,198502E+20	0,000000E+00	0,000000E+00	1,198255E+20	1,297771E+21
-301	3,676411E+21	6,618046E+21	8,876622E+21	8,876506E+21	6,617730E+21	3,676154E+21	1,297670E+21	1,198034E+20	0,000000E+00	0,000000E+00	1,198617E+20	1,297886E+21

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°
-300	3,676360E+21	6,617667E+21	8,875959E+21	8,876037E+21	6,617778E+21	3,676432E+21	1,297936E+21	1,198794E+20	0,000000E+00	0,000000E+00	1,198322E+20	1,297700E+21
-299	3,676031E+21	6,617370E+21	8,875951E+21	8,875991E+21	6,617586E+21	3,676260E+21	1,297855E+21	1,198938E+20	0,000000E+00	0,000000E+00	1,199141E+20	1,297943E+21
-298	3,676366E+21	6,617546E+21	8,875688E+21	8,875394E+21	6,616987E+21	3,675992E+21	1,297794E+21	1,198808E+20	0,000000E+00	0,000000E+00	1,199180E+20	1,297907E+21
-297	3,676050E+21	6,616869E+21	8,875032E+21	8,875225E+21	6,617216E+21	3,676292E+21	1,298056E+21	1,199701E+20	0,000000E+00	0,000000E+00	1,199207E+20	1,297817E+21
-296	3,675950E+21	6,616912E+21	8,875166E+21	8,875146E+21	6,616874E+21	3,675936E+21	1,297838E+21	1,199416E+20	0,000000E+00	0,000000E+00	1,199952E+20	1,298099E+21
-295	3,676269E+21	6,616953E+21	8,874711E+21	8,874523E+21	6,616592E+21	3,675982E+21	1,297934E+21	1,199535E+20	0,000000E+00	0,000000E+00	1,199614E+20	1,297928E+21
-294	3,675863E+21	6,616380E+21	8,874477E+21	8,874730E+21	6,616911E+21	3,676220E+21	1,298092E+21	1,200087E+20	0,000000E+00	0,000000E+00	1,199693E+20	1,297939E+21
-293	3,676102E+21	6,616921E+21	8,874867E+21	8,874690E+21	6,616551E+21	3,675860E+21	1,297856E+21	1,199552E+20	0,000000E+00	0,000000E+00	1,200037E+20	1,298077E+21
-292	3,676159E+21	6,616799E+21	8,874596E+21	8,874536E+21	6,616738E+21	3,676137E+21	1,298049E+21	1,199780E+20	0,000000E+00	0,000000E+00	1,199336E+20	1,297820E+21
-291	3,675787E+21	6,616525E+21	8,874868E+21	8,875060E+21	6,617015E+21	3,676148E+21	1,297983E+21	1,199764E+20	0,000000E+00	0,000000E+00	1,199607E+20	1,297975E+21
-290	3,676215E+21	6,617100E+21	8,875128E+21	8,874992E+21	6,616759E+21	3,675906E+21	1,297795E+21	1,199026E+20	0,000000E+00	0,000000E+00	1,199503E+20	1,297973E+21
-289	3,676107E+21	6,616885E+21	8,874962E+21	8,875183E+21	6,617264E+21	3,676312E+21	1,298012E+21	1,199354E+20	0,000000E+00	0,000000E+00	1,198805E+20	1,297776E+21
-288	3,676018E+21	6,617206E+21	8,875669E+21	8,875669E+21	6,617316E+21	3,676117E+21	1,297804E+21	1,198935E+20	0,000000E+00	0,000000E+00	1,199218E+20	1,297989E+21
-287	3,676448E+21	6,617666E+21	8,875828E+21	8,875549E+21	6,617173E+21	3,676085E+21	1,297782E+21	1,198482E+20	0,000000E+00	0,000000E+00	1,198643E+20	1,297803E+21
-286	3,676082E+21	6,617216E+21	8,875747E+21	8,875996E+21	6,617705E+21	3,676408E+21	1,297968E+21	1,199079E+20	0,000000E+00	0,000000E+00	1,198452E+20	1,297730E+21
-285	3,676182E+21	6,617667E+21	8,876190E+21	8,876131E+21	6,617530E+21	3,676097E+21	1,297719E+21	1,198520E+20	0,000000E+00	0,000000E+00	1,199024E+20	1,297938E+21
-284	3,676344E+21	6,617597E+21	8,875849E+21	8,875731E+21	6,617469E+21	3,676269E+21	1,297867E+21	1,198682E+20	0,000000E+00	0,000000E+00	1,198485E+20	1,297752E+21
-283	3,675983E+21	6,617070E+21	8,875657E+21	8,875897E+21	6,617621E+21	3,676353E+21	1,297936E+21	1,199175E+20	0,000000E+00	0,000000E+00	1,198985E+20	1,297872E+21
-282	3,676305E+21	6,617501E+21	8,875697E+21	8,875528E+21	6,617080E+21	3,675971E+21	1,297743E+21	1,198689E+20	0,000000E+00	0,000000E+00	1,199348E+20	1,297980E+21
-281	3,676221E+21	6,617115E+21	8,875091E+21	8,875088E+21	6,617113E+21	3,676247E+21	1,298018E+21	1,199495E+20	0,000000E+00	0,000000E+00	1,199062E+20	1,297794E+21
-280	3,675875E+21	6,616800E+21	8,875141E+21	8,875151E+21	6,616978E+21	3,676070E+21	1,297932E+21	1,199649E+20	0,000000E+00	0,000000E+00	1,199849E+20	1,298027E+21
-279	3,676206E+21	6,616958E+21	8,874823E+21	8,874541E+21	6,616424E+21	3,675830E+21	1,297868E+21	1,199504E+20	0,000000E+00	0,000000E+00	1,199924E+20	1,298006E+21
-278	3,675882E+21	6,616198E+21	8,874044E+21	8,874295E+21	6,616644E+21	3,676153E+21	1,298143E+21	1,200405E+20	0,000000E+00	0,000000E+00	1,199914E+20	1,297918E+21
-277	3,675847E+21	6,616359E+21	8,874222E+21	8,874209E+21	6,616344E+21	3,675841E+21	1,297943E+21	1,200145E+20	0,000000E+00	0,000000E+00	1,200626E+20	1,298174E+21
-276	3,676131E+21	6,616446E+21	8,873921E+21	8,873665E+21	6,616030E+21	3,675868E+21	1,298044E+21	1,200262E+20	0,000000E+00	0,000000E+00	1,200247E+20	1,298001E+21
-275	3,675739E+21	6,615861E+21	8,873690E+21	8,873919E+21	6,616340E+21	3,676054E+21	1,298170E+21	1,200743E+20	0,000000E+00	0,000000E+00	1,200299E+20	1,297995E+21
-274	3,675930E+21	6,616381E+21	8,874099E+21	8,873948E+21	6,616043E+21	3,675703E+21	1,297918E+21	1,200131E+20	0,000000E+00	0,000000E+00	1,200656E+20	1,298144E+21
-273	3,675981E+21	6,616229E+21	8,873808E+21	8,873793E+21	6,616257E+21	3,676009E+21	1,298108E+21	1,200314E+20	0,000000E+00	0,000000E+00	1,199954E+20	1,297911E+21
-272	3,675668E+21	6,616024E+21	8,874132E+21	8,874344E+21	6,616550E+21	3,676029E+21	1,298043E+21	1,200275E+20	0,000000E+00	0,000000E+00	1,200155E+20	1,298055E+21
-271	3,676140E+21	6,616699E+21	8,874456E+21	8,874299E+21	6,616308E+21	3,675791E+21	1,297856E+21	1,199516E+20	0,000000E+00	0,000000E+00	1,200027E+20	1,298043E+21
-270	3,676009E+21	6,616451E+21	8,874256E+21	8,874456E+21	6,616788E+21	3,676192E+21	1,298085E+21	1,199909E+20	0,000000E+00	0,000000E+00	1,199292E+20	1,297830E+21
-269	3,675915E+21	6,616803E+21	8,874993E+21	8,874971E+21	6,616885E+21	3,676029E+21	1,297896E+21	1,199574E+20	0,000000E+00	0,000000E+00	1,199747E+20	1,298025E+21
-268	3,676265E+21	6,617170E+21	8,875174E+21	8,874901E+21	6,616717E+21	3,675969E+21	1,297871E+21	1,199151E+20	0,000000E+00	0,000000E+00	1,199248E+20	1,297880E+21
-267	3,675940E+21	6,616629E+21	8,874896E+21	8,875210E+21	6,617192E+21	3,676256E+21	1,298031E+21	1,199701E+20	0,000000E+00	0,000000E+00	1,199139E+20	1,297824E+21
-266	3,676052E+21	6,617095E+21	8,875292E+21	8,875256E+21	6,616975E+21	3,675954E+21	1,297785E+21	1,199104E+20	0,000000E+00	0,000000E+00	1,199740E+20	1,298043E+21
-265	3,676235E+21	6,617062E+21	8,874967E+21	8,874817E+21	6,616860E+21	3,676116E+21	1,297943E+21	1,199306E+20	0,000000E+00	0,000000E+00	1,199207E+20	1,297858E+21

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°
-264	3,675886E+21	6,616594E+21	8,874862E+21	8,875022E+21	6,617014E+21	3,676189E+21	1,298016E+21	1,199830E+20	0,000000E+00	0,000000E+00	1,199641E+20	1,297945E+21
-263	3,676164E+21	6,617002E+21	8,874931E+21	8,874703E+21	6,616492E+21	3,675803E+21	1,297824E+21	1,199378E+20	0,000000E+00	0,000000E+00	1,200016E+20	1,298044E+21
-262	3,676011E+21	6,616450E+21	8,874166E+21	8,874222E+21	6,616535E+21	3,676084E+21	1,298105E+21	1,200235E+20	0,000000E+00	0,000000E+00	1,199756E+20	1,297873E+21
-261	3,675699E+21	6,616155E+21	8,874147E+21	8,874231E+21	6,616448E+21	3,675962E+21	1,298036E+21	1,200422E+20	0,000000E+00	0,000000E+00	1,200574E+20	1,298110E+21
-260	3,676024E+21	6,616317E+21	8,873887E+21	8,873620E+21	6,615838E+21	3,675707E+21	1,297979E+21	1,200281E+20	0,000000E+00	0,000000E+00	1,200668E+20	1,298117E+21
-259	3,675781E+21	6,615607E+21	8,873081E+21	8,873340E+21	6,616020E+21	3,675986E+21	1,298226E+21	1,201099E+20	0,000000E+00	0,000000E+00	1,200631E+20	1,298013E+21
-258	3,675736E+21	6,615855E+21	8,873373E+21	8,873302E+21	6,615734E+21	3,675684E+21	1,298026E+21	1,200804E+20	0,000000E+00	0,000000E+00	1,201310E+20	1,298252E+21
-257	3,675977E+21	6,615923E+21	8,873152E+21	8,872861E+21	6,615456E+21	3,675714E+21	1,298125E+21	1,200912E+20	0,000000E+00	0,000000E+00	1,200914E+20	1,298078E+21
-256	3,675577E+21	6,615338E+21	8,872964E+21	8,873216E+21	6,615846E+21	3,675905E+21	1,298237E+21	1,201353E+20	0,000000E+00	0,000000E+00	1,200909E+20	1,298065E+21
-255	3,675770E+21	6,615840E+21	8,873315E+21	8,873220E+21	6,615584E+21	3,675579E+21	1,297980E+21	1,200695E+20	0,000000E+00	0,000000E+00	1,201257E+20	1,298221E+21
-254	3,675828E+21	6,615639E+21	8,872931E+21	8,872990E+21	6,615767E+21	3,675894E+21	1,298181E+21	1,200877E+20	0,000000E+00	0,000000E+00	1,200513E+20	1,297996E+21
-253	3,675595E+21	6,615587E+21	8,873328E+21	8,873541E+21	6,616081E+21	3,675938E+21	1,298131E+21	1,200881E+20	0,000000E+00	0,000000E+00	1,200689E+20	1,298112E+21
-252	3,676019E+21	6,616287E+21	8,873798E+21	8,873576E+21	6,615811E+21	3,675679E+21	1,297948E+21	1,200140E+20	0,000000E+00	0,000000E+00	1,200559E+20	1,298108E+21
-251	3,675904E+21	6,616008E+21	8,873572E+21	8,873756E+21	6,616279E+21	3,676027E+21	1,298141E+21	1,200478E+20	0,000000E+00	0,000000E+00	1,199856E+20	1,297888E+21
-250	3,675771E+21	6,616327E+21	8,874289E+21	8,874284E+21	6,616406E+21	3,675882E+21	1,297951E+21	1,200116E+20	0,000000E+00	0,000000E+00	1,200367E+20	1,298098E+21
-249	3,676107E+21	6,616633E+21	8,874407E+21	8,874179E+21	6,616237E+21	3,675842E+21	1,297931E+21	1,199692E+20	0,000000E+00	0,000000E+00	1,199906E+20	1,297977E+21
-248	3,675829E+21	6,616145E+21	8,874135E+21	8,874454E+21	6,616693E+21	3,676126E+21	1,298097E+21	1,200255E+20	0,000000E+00	0,000000E+00	1,199766E+20	1,297911E+21
-247	3,675947E+21	6,616626E+21	8,874517E+21	8,874468E+21	6,616461E+21	3,675825E+21	1,297859E+21	1,199688E+20	0,000000E+00	0,000000E+00	1,200347E+20	1,298112E+21
-246	3,676088E+21	6,616518E+21	8,874112E+21	8,873956E+21	6,616294E+21	3,675982E+21	1,298038E+21	1,199991E+20	0,000000E+00	0,000000E+00	1,199827E+20	1,297927E+21
-245	3,675739E+21	6,616063E+21	8,873991E+21	8,874153E+21	6,616462E+21	3,676068E+21	1,298130E+21	1,200612E+20	0,000000E+00	0,000000E+00	1,200304E+20	1,298001E+21
-244	3,675943E+21	6,616366E+21	8,874054E+21	8,873856E+21	6,615923E+21	3,675661E+21	1,297934E+21	1,200193E+20	0,000000E+00	0,000000E+00	1,200765E+20	1,298148E+21
-243	3,675855E+21	6,615769E+21	8,873131E+21	8,873246E+21	6,615903E+21	3,675898E+21	1,298179E+21	1,200967E+20	0,000000E+00	0,000000E+00	1,200557E+20	1,297988E+21
-242	3,675573E+21	6,615545E+21	8,873146E+21	8,873228E+21	6,615789E+21	3,675788E+21	1,298116E+21	1,201114E+20	0,000000E+00	0,000000E+00	1,201365E+20	1,298226E+21
-241	3,675911E+21	6,615765E+21	8,872978E+21	8,872680E+21	6,615197E+21	3,675537E+21	1,298063E+21	1,200977E+20	0,000000E+00	0,000000E+00	1,201425E+20	1,298220E+21
-240	3,675669E+21	6,615136E+21	8,872309E+21	8,872493E+21	6,615426E+21	3,675824E+21	1,298309E+21	1,201773E+20	0,000000E+00	0,000000E+00	1,201287E+20	1,298080E+21
-239	3,675569E+21	6,615341E+21	8,872641E+21	8,872563E+21	6,615216E+21	3,675544E+21	1,298108E+21	1,201465E+20	0,000000E+00	0,000000E+00	1,201920E+20	1,298302E+21
-238	3,675756E+21	6,615279E+21	8,872276E+21	8,872089E+21	6,614972E+21	3,675591E+21	1,298209E+21	1,201561E+20	0,000000E+00	0,000000E+00	1,201527E+20	1,298148E+21
-237	3,675413E+21	6,614744E+21	8,872031E+21	8,872384E+21	6,615397E+21	3,675825E+21	1,298332E+21	1,202005E+20	0,000000E+00	0,000000E+00	1,201506E+20	1,298135E+21
-236	3,675610E+21	6,615282E+21	8,872486E+21	8,872428E+21	6,615093E+21	3,675476E+21	1,298070E+21	1,201315E+20	0,000000E+00	0,000000E+00	1,201854E+20	1,298320E+21
-235	3,675761E+21	6,615167E+21	8,872107E+21	8,872154E+21	6,615214E+21	3,675727E+21	1,298235E+21	1,201413E+20	0,000000E+00	0,000000E+00	1,201083E+20	1,298077E+21
-234	3,675524E+21	6,615223E+21	8,872663E+21	8,872773E+21	6,615530E+21	3,675781E+21	1,298193E+21	1,201411E+20	0,000000E+00	0,000000E+00	1,201254E+20	1,298179E+21
-233	3,675900E+21	6,615886E+21	8,873203E+21	8,872935E+21	6,615317E+21	3,675524E+21	1,298008E+21	1,200687E+20	0,000000E+00	0,000000E+00	1,201137E+20	1,298177E+21
-232	3,675772E+21	6,615591E+21	8,872970E+21	8,873156E+21	6,615846E+21	3,675883E+21	1,298192E+21	1,201007E+20	0,000000E+00	0,000000E+00	1,200436E+20	1,297961E+21
-231	3,675633E+21	6,615844E+21	8,873581E+21	8,873622E+21	6,615993E+21	3,675774E+21	1,298010E+21	1,200641E+20	0,000000E+00	0,000000E+00	1,200944E+20	1,298168E+21
-230	3,675956E+21	6,616071E+21	8,873553E+21	8,873391E+21	6,615764E+21	3,675738E+21	1,298012E+21	1,200278E+20	0,000000E+00	0,000000E+00	1,200492E+20	1,298058E+21
-229	3,675731E+21	6,615668E+21	8,873268E+21	8,873605E+21	6,616203E+21	3,676037E+21	1,298206E+21	1,200951E+20	0,000000E+00	0,000000E+00	1,200361E+20	1,297966E+21

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°
-228	3,675771E+21	6,616093E+21	8,873728E+21	8,873653E+21	6,615913E+21	3,675703E+21	1,297974E+21	1,200444E+20	0,000000E+00	0,000000E+00	1,200982E+20	1,298186E+21
-227	3,675921E+21	6,615911E+21	8,873214E+21	8,873076E+21	6,615680E+21	3,675789E+21	1,298118E+21	1,200726E+20	0,000000E+00	0,000000E+00	1,200542E+20	1,298008E+21
-226	3,675560E+21	6,615448E+21	8,873066E+21	8,873229E+21	6,615832E+21	3,675885E+21	1,298209E+21	1,201318E+20	0,000000E+00	0,000000E+00	1,201089E+20	1,298106E+21
-225	3,675771E+21	6,615718E+21	8,873084E+21	8,872912E+21	6,615303E+21	3,675494E+21	1,298013E+21	1,200894E+20	0,000000E+00	0,000000E+00	1,201573E+20	1,298272E+21
-224	3,675746E+21	6,615233E+21	8,872242E+21	8,872326E+21	6,615291E+21	3,675725E+21	1,298250E+21	1,201623E+20	0,000000E+00	0,000000E+00	1,201315E+20	1,298100E+21
-223	3,675477E+21	6,615044E+21	8,872296E+21	8,872343E+21	6,615206E+21	3,675633E+21	1,298195E+21	1,201777E+20	0,000000E+00	0,000000E+00	1,202033E+20	1,298300E+21
-222	3,675750E+21	6,615192E+21	8,872097E+21	8,871809E+21	6,614632E+21	3,675403E+21	1,298164E+21	1,201703E+20	0,000000E+00	0,000000E+00	1,202078E+20	1,298288E+21
-221	3,675504E+21	6,614582E+21	8,871449E+21	8,871677E+21	6,614920E+21	3,675710E+21	1,298422E+21	1,202540E+20	0,000000E+00	0,000000E+00	1,201930E+20	1,298134E+21
-220	3,675331E+21	6,614679E+21	8,871771E+21	8,871770E+21	6,614715E+21	3,675428E+21	1,298213E+21	1,202214E+20	0,000000E+00	0,000000E+00	1,202591E+20	1,298394E+21
-219	3,675598E+21	6,614620E+21	8,871280E+21	8,871166E+21	6,614405E+21	3,675434E+21	1,298277E+21	1,202188E+20	0,000000E+00	0,000000E+00	1,202213E+20	1,298252E+21
-218	3,675318E+21	6,614238E+21	8,871150E+21	8,871449E+21	6,614785E+21	3,675663E+21	1,298398E+21	1,202569E+20	0,000000E+00	0,000000E+00	1,202153E+20	1,298235E+21
-217	3,675531E+21	6,614852E+21	8,871739E+21	8,871609E+21	6,614531E+21	3,675317E+21	1,298134E+21	1,201869E+20	0,000000E+00	0,000000E+00	1,202448E+20	1,298401E+21
-216	3,675687E+21	6,614847E+21	8,871551E+21	8,871486E+21	6,614712E+21	3,675560E+21	1,298284E+21	1,201925E+20	0,000000E+00	0,000000E+00	1,201605E+20	1,298132E+21
-215	3,675400E+21	6,614837E+21	8,872120E+21	8,872214E+21	6,615117E+21	3,675641E+21	1,298244E+21	1,201929E+20	0,000000E+00	0,000000E+00	1,201742E+20	1,298217E+21
-214	3,675712E+21	6,615348E+21	8,872496E+21	8,872334E+21	6,614955E+21	3,675431E+21	1,298078E+21	1,201237E+20	0,000000E+00	0,000000E+00	1,201659E+20	1,298237E+21
-213	3,675628E+21	6,615079E+21	8,872186E+21	8,872464E+21	6,615478E+21	3,675826E+21	1,298286E+21	1,201616E+20	0,000000E+00	0,000000E+00	1,200985E+20	1,298021E+21
-212	3,675464E+21	6,615293E+21	8,872799E+21	8,872891E+21	6,615556E+21	3,675699E+21	1,298114E+21	1,201281E+20	0,000000E+00	0,000000E+00	1,201527E+20	1,298251E+21
-211	3,675845E+21	6,615540E+21	8,872673E+21	8,872509E+21	6,615212E+21	3,675591E+21	1,298089E+21	1,200903E+20	0,000000E+00	0,000000E+00	1,201124E+20	1,298139E+21
-210	3,675617E+21	6,615200E+21	8,872463E+21	8,872691E+21	6,615573E+21	3,675871E+21	1,298290E+21	1,201608E+20	0,000000E+00	0,000000E+00	1,201049E+20	1,298050E+21
-209	3,675615E+21	6,615541E+21	8,872916E+21	8,872818E+21	6,615313E+21	3,675517E+21	1,298050E+21	1,201136E+20	0,000000E+00	0,000000E+00	1,201720E+20	1,298285E+21
-208	3,675778E+21	6,615368E+21	8,872380E+21	8,872225E+21	6,615093E+21	3,675592E+21	1,298175E+21	1,201391E+20	0,000000E+00	0,000000E+00	1,201305E+20	1,298120E+21
-207	3,675429E+21	6,614871E+21	8,872176E+21	8,872345E+21	6,615257E+21	3,675716E+21	1,298273E+21	1,201965E+20	0,000000E+00	0,000000E+00	1,201811E+20	1,298206E+21
-206	3,675633E+21	6,615110E+21	8,872122E+21	8,871973E+21	6,614716E+21	3,675351E+21	1,298104E+21	1,201604E+20	0,000000E+00	0,000000E+00	1,202281E+20	1,298368E+21
-205	3,675636E+21	6,614708E+21	8,871329E+21	8,871400E+21	6,614732E+21	3,675611E+21	1,298368E+21	1,202407E+20	0,000000E+00	0,000000E+00	1,201990E+20	1,298161E+21
-204	3,675278E+21	6,614454E+21	8,871470E+21	8,871512E+21	6,614659E+21	3,675517E+21	1,298319E+21	1,202584E+20	0,000000E+00	0,000000E+00	1,202699E+20	1,298369E+21
-203	3,675552E+21	6,614528E+21	8,871144E+21	8,870909E+21	6,614051E+21	3,675236E+21	1,298252E+21	1,202453E+20	0,000000E+00	0,000000E+00	1,202794E+20	1,298364E+21
-202	3,675312E+21	6,613946E+21	8,870500E+21	8,870731E+21	6,614319E+21	3,675558E+21	1,298505E+21	1,203214E+20	0,000000E+00	0,000000E+00	1,202662E+20	1,298233E+21
-201	3,675165E+21	6,614041E+21	8,870834E+21	8,870861E+21	6,614132E+21	3,675274E+21	1,298287E+21	1,202847E+20	0,000000E+00	0,000000E+00	1,203290E+20	1,298500E+21
-200	3,675506E+21	6,614147E+21	8,870481E+21	8,870315E+21	6,613833E+21	3,675259E+21	1,298329E+21	1,202732E+20	0,000000E+00	0,000000E+00	1,202841E+20	1,298348E+21
-199	3,675252E+21	6,613850E+21	8,870474E+21	8,870696E+21	6,614265E+21	3,675505E+21	1,298451E+21	1,203092E+20	0,000000E+00	0,000000E+00	1,202670E+20	1,298291E+21
-198	3,675408E+21	6,614421E+21	8,871085E+21	8,870925E+21	6,614075E+21	3,675199E+21	1,298212E+21	1,202451E+20	0,000000E+00	0,000000E+00	1,202956E+20	1,298451E+21
-197	3,675555E+21	6,614415E+21	8,870923E+21	8,870896E+21	6,614343E+21	3,675470E+21	1,298372E+21	1,202554E+20	0,000000E+00	0,000000E+00	1,202122E+20	1,298174E+21
-196	3,675204E+21	6,614290E+21	8,871428E+21	8,871616E+21	6,614762E+21	3,675568E+21	1,298333E+21	1,202556E+20	0,000000E+00	0,000000E+00	1,202307E+20	1,298292E+21
-195	3,675566E+21	6,614756E+21	8,871618E+21	8,871538E+21	6,614495E+21	3,675315E+21	1,298145E+21	1,201807E+20	0,000000E+00	0,000000E+00	1,202274E+20	1,298324E+21
-194	3,675532E+21	6,614601E+21	8,871368E+21	8,871572E+21	6,614909E+21	3,675693E+21	1,298362E+21	1,202187E+20	0,000000E+00	0,000000E+00	1,201633E+20	1,298115E+21
-193	3,675360E+21	6,614802E+21	8,872006E+21	8,872041E+21	6,614988E+21	3,675550E+21	1,298191E+21	1,201892E+20	0,000000E+00	0,000000E+00	1,202161E+20	1,298329E+21

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°
-192	3,675734E+21	6,615124E+21	8,871989E+21	8,871720E+21	6,614642E+21	3,675408E+21	1,298148E+21	1,201504E+20	0,000000E+00	0,000000E+00	1,201768E+20	1,298219E+21
-191	3,675484E+21	6,614713E+21	8,871743E+21	8,871932E+21	6,615028E+21	3,675684E+21	1,298343E+21	1,202219E+20	0,000000E+00	0,000000E+00	1,201683E+20	1,298119E+21
-190	3,675433E+21	6,614917E+21	8,872026E+21	8,871984E+21	6,614802E+21	3,675384E+21	1,298130E+21	1,201799E+20	0,000000E+00	0,000000E+00	1,202395E+20	1,298377E+21
-189	3,675646E+21	6,614788E+21	8,871479E+21	8,871376E+21	6,614587E+21	3,675477E+21	1,298272E+21	1,202111E+20	0,000000E+00	0,000000E+00	1,201995E+20	1,298205E+21
-188	3,675271E+21	6,614274E+21	8,871289E+21	8,871484E+21	6,614723E+21	3,675602E+21	1,298382E+21	1,202711E+20	0,000000E+00	0,000000E+00	1,202497E+20	1,298297E+21
-187	3,675496E+21	6,614508E+21	8,871154E+21	8,870997E+21	6,614111E+21	3,675202E+21	1,298203E+21	1,202361E+20	0,000000E+00	0,000000E+00	1,202995E+20	1,298447E+21
-186	3,675480E+21	6,614160E+21	8,870466E+21	8,870428E+21	6,614068E+21	3,675453E+21	1,298475E+21	1,203174E+20	0,000000E+00	0,000000E+00	1,202749E+20	1,298246E+21
-185	3,675075E+21	6,613789E+21	8,870558E+21	8,870627E+21	6,614060E+21	3,675349E+21	1,298413E+21	1,203348E+20	0,000000E+00	0,000000E+00	1,203457E+20	1,298458E+21
-184	3,675376E+21	6,613918E+21	8,870229E+21	8,870003E+21	6,613464E+21	3,675058E+21	1,298316E+21	1,203119E+20	0,000000E+00	0,000000E+00	1,203556E+20	1,298477E+21
-183	3,675189E+21	6,613369E+21	8,869593E+21	8,869811E+21	6,613724E+21	3,675383E+21	1,298559E+21	1,203802E+20	0,000000E+00	0,000000E+00	1,203317E+20	1,298327E+21
-182	3,675055E+21	6,613493E+21	8,869945E+21	8,869966E+21	6,613576E+21	3,675136E+21	1,298365E+21	1,203462E+20	0,000000E+00	0,000000E+00	1,203888E+20	1,298582E+21
-181	3,675426E+21	6,613720E+21	8,869756E+21	8,869561E+21	6,613348E+21	3,675141E+21	1,298420E+21	1,203381E+20	0,000000E+00	0,000000E+00	1,203377E+20	1,298394E+21
-180	3,675095E+21	6,613390E+21	8,869865E+21	8,870081E+21	6,613834E+21	3,675399E+21	1,298543E+21	1,203743E+20	0,000000E+00	0,000000E+00	1,203196E+20	1,298344E+21
-179	3,675244E+21	6,613879E+21	8,870331E+21	8,870235E+21	6,613645E+21	3,675079E+21	1,298283E+21	1,203059E+20	0,000000E+00	0,000000E+00	1,203536E+20	1,298511E+21
-178	3,675399E+21	6,613901E+21	8,870175E+21	8,870136E+21	6,613874E+21	3,675368E+21	1,298443E+21	1,203102E+20	0,000000E+00	0,000000E+00	1,202750E+20	1,298262E+21
-177	3,675073E+21	6,613743E+21	8,870633E+21	8,870857E+21	6,614291E+21	3,675456E+21	1,298400E+21	1,203095E+20	0,000000E+00	0,000000E+00	1,202917E+20	1,298378E+21
-176	3,675487E+21	6,614339E+21	8,870884E+21	8,870750E+21	6,613978E+21	3,675165E+21	1,298194E+21	1,202302E+20	0,000000E+00	0,000000E+00	1,202865E+20	1,298411E+21
-175	3,675459E+21	6,614211E+21	8,870694E+21	8,870797E+21	6,614372E+21	3,675532E+21	1,298413E+21	1,202707E+20	0,000000E+00	0,000000E+00	1,202165E+20	1,298174E+21
-174	3,675230E+21	6,614326E+21	8,871295E+21	8,871288E+21	6,614474E+21	3,675412E+21	1,298271E+21	1,202510E+20	0,000000E+00	0,000000E+00	1,202732E+20	1,298390E+21
-173	3,675587E+21	6,614603E+21	8,871246E+21	8,871017E+21	6,614177E+21	3,675279E+21	1,298238E+21	1,202211E+20	0,000000E+00	0,000000E+00	1,202390E+20	1,298283E+21
-172	3,675294E+21	6,614102E+21	8,870922E+21	8,871180E+21	6,614561E+21	3,675571E+21	1,298434E+21	1,202926E+20	0,000000E+00	0,000000E+00	1,202369E+20	1,298216E+21
-171	3,675291E+21	6,614273E+21	8,871025E+21	8,871022E+21	6,614224E+21	3,675243E+21	1,298217E+21	1,202509E+20	0,000000E+00	0,000000E+00	1,203122E+20	1,298475E+21
-170	3,675532E+21	6,614245E+21	8,870565E+21	8,870362E+21	6,613927E+21	3,675328E+21	1,298370E+21	1,202839E+20	0,000000E+00	0,000000E+00	1,202764E+20	1,298303E+21
-169	3,675129E+21	6,613690E+21	8,870392E+21	8,870545E+21	6,614095E+21	3,675444E+21	1,298483E+21	1,203473E+20	0,000000E+00	0,000000E+00	1,203232E+20	1,298371E+21
-168	3,675327E+21	6,613957E+21	8,870315E+21	8,870103E+21	6,613488E+21	3,675017E+21	1,298284E+21	1,203099E+20	0,000000E+00	0,000000E+00	1,203747E+20	1,298531E+21
-167	3,675293E+21	6,613534E+21	8,869589E+21	8,869555E+21	6,613476E+21	3,675274E+21	1,298545E+21	1,203865E+20	0,000000E+00	0,000000E+00	1,203464E+20	1,298328E+21
-166	3,674878E+21	6,613082E+21	8,869547E+21	8,869695E+21	6,613501E+21	3,675219E+21	1,298502E+21	1,204040E+20	0,000000E+00	0,000000E+00	1,204164E+20	1,298556E+21
-165	3,675240E+21	6,613303E+21	8,869284E+21	8,869114E+21	6,612925E+21	3,674937E+21	1,298412E+21	1,203820E+20	0,000000E+00	0,000000E+00	1,204226E+20	1,298566E+21
-164	3,675063E+21	6,612825E+21	8,868753E+21	8,868978E+21	6,613193E+21	3,675256E+21	1,298648E+21	1,204461E+20	0,000000E+00	0,000000E+00	1,203934E+20	1,298415E+21
-163	3,674953E+21	6,612990E+21	8,869100E+21	8,869086E+21	6,613012E+21	3,674993E+21	1,298448E+21	1,204119E+20	0,000000E+00	0,000000E+00	1,204494E+20	1,298651E+21
-162	3,675309E+21	6,613292E+21	8,869087E+21	8,868784E+21	6,612790E+21	3,674998E+21	1,298502E+21	1,204012E+20	0,000000E+00	0,000000E+00	1,204012E+20	1,298467E+21
-161	3,674938E+21	6,612857E+21	8,869148E+21	8,869405E+21	6,613373E+21	3,675266E+21	1,298613E+21	1,204355E+20	0,000000E+00	0,000000E+00	1,203811E+20	1,298414E+21
-160	3,675109E+21	6,613399E+21	8,869595E+21	8,869521E+21	6,613196E+21	3,674951E+21	1,298332E+21	1,203578E+20	0,000000E+00	0,000000E+00	1,204158E+20	1,298602E+21
-159	3,675304E+21	6,613444E+21	8,869449E+21	8,869382E+21	6,613377E+21	3,675227E+21	1,298486E+21	1,203568E+20	0,000000E+00	0,000000E+00	1,203287E+20	1,298336E+21
-158	3,674976E+21	6,613266E+21	8,869850E+21	8,870072E+21	6,613808E+21	3,675349E+21	1,298475E+21	1,203628E+20	0,000000E+00	0,000000E+00	1,203435E+20	1,298438E+21
-157	3,675382E+21	6,613913E+21	8,870222E+21	8,870074E+21	6,613526E+21	3,675057E+21	1,298282E+21	1,202913E+20	0,000000E+00	0,000000E+00	1,203370E+20	1,298450E+21

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°
-156	3,675294E+21	6,613730E+21	8,870053E+21	8,870163E+21	6,613919E+21	3,675410E+21	1,298498E+21	1,203355E+20	0,000000E+00	0,000000E+00	1,202721E+20	1,298232E+21
-155	3,675055E+21	6,613737E+21	8,870444E+21	8,870497E+21	6,613977E+21	3,675279E+21	1,298351E+21	1,203177E+20	0,000000E+00	0,000000E+00	1,203374E+20	1,298464E+21
-154	3,675432E+21	6,614042E+21	8,870401E+21	8,870142E+21	6,613615E+21	3,675151E+21	1,298322E+21	1,202875E+20	0,000000E+00	0,000000E+00	1,203121E+20	1,298386E+21
-153	3,675156E+21	6,613496E+21	8,870015E+21	8,870302E+21	6,613992E+21	3,675428E+21	1,298516E+21	1,203596E+20	0,000000E+00	0,000000E+00	1,203095E+20	1,298313E+21
-152	3,675189E+21	6,613779E+21	8,870159E+21	8,870103E+21	6,613624E+21	3,675080E+21	1,298289E+21	1,203160E+20	0,000000E+00	0,000000E+00	1,203852E+20	1,298573E+21
-151	3,675421E+21	6,613748E+21	8,869754E+21	8,869464E+21	6,613299E+21	3,675151E+21	1,298443E+21	1,203510E+20	0,000000E+00	0,000000E+00	1,203457E+20	1,298379E+21
-150	3,674961E+21	6,613084E+21	8,869501E+21	8,869669E+21	6,613514E+21	3,675301E+21	1,298583E+21	1,204215E+20	0,000000E+00	0,000000E+00	1,203945E+20	1,298449E+21
-149	3,675134E+21	6,613299E+21	8,869408E+21	8,869284E+21	6,612959E+21	3,674883E+21	1,298388E+21	1,203890E+20	0,000000E+00	0,000000E+00	1,204477E+20	1,298614E+21
-148	3,675096E+21	6,612845E+21	8,868626E+21	8,868669E+21	6,612923E+21	3,675145E+21	1,298641E+21	1,204605E+20	0,000000E+00	0,000000E+00	1,204208E+20	1,298439E+21
-147	3,674745E+21	6,612423E+21	8,868468E+21	8,868639E+21	6,612854E+21	3,675065E+21	1,298592E+21	1,204756E+20	0,000000E+00	0,000000E+00	1,204883E+20	1,298658E+21
-146	3,675144E+21	6,612800E+21	8,868390E+21	8,868106E+21	6,612258E+21	3,674780E+21	1,298504E+21	1,204514E+20	0,000000E+00	0,000000E+00	1,204937E+20	1,298659E+21
-145	3,674948E+21	6,612332E+21	8,867980E+21	8,868155E+21	6,612613E+21	3,675094E+21	1,298728E+21	1,205127E+20	0,000000E+00	0,000000E+00	1,204570E+20	1,298480E+21
-144	3,674828E+21	6,612561E+21	8,868415E+21	8,868351E+21	6,612483E+21	3,674828E+21	1,298510E+21	1,204734E+20	0,000000E+00	0,000000E+00	1,205123E+20	1,298720E+21
-143	3,675157E+21	6,612794E+21	8,868396E+21	8,868119E+21	6,612328E+21	3,674852E+21	1,298549E+21	1,204542E+20	0,000000E+00	0,000000E+00	1,204578E+20	1,298530E+21
-142	3,674781E+21	6,612304E+21	8,868361E+21	8,868701E+21	6,612953E+21	3,675176E+21	1,298684E+21	1,204882E+20	0,000000E+00	0,000000E+00	1,204359E+20	1,298483E+21
-141	3,674979E+21	6,612888E+21	8,868851E+21	8,868851E+21	6,612785E+21	3,674868E+21	1,298415E+21	1,204139E+20	0,000000E+00	0,000000E+00	1,204663E+20	1,298656E+21
-140	3,675173E+21	6,612978E+21	8,868747E+21	8,868706E+21	6,612943E+21	3,675136E+21	1,298568E+21	1,204124E+20	0,000000E+00	0,000000E+00	1,203791E+20	1,298398E+21
-139	3,674859E+21	6,612795E+21	8,869059E+21	8,869260E+21	6,613287E+21	3,675229E+21	1,298561E+21	1,204247E+20	0,000000E+00	0,000000E+00	1,203982E+20	1,298492E+21
-138	3,675241E+21	6,613459E+21	8,869526E+21	8,869303E+21	6,612982E+21	3,674921E+21	1,298368E+21	1,203562E+20	0,000000E+00	0,000000E+00	1,204015E+20	1,298527E+21
-137	3,675133E+21	6,613167E+21	8,869264E+21	8,869433E+21	6,613421E+21	3,675256E+21	1,298564E+21	1,203998E+20	0,000000E+00	0,000000E+00	1,203409E+20	1,298323E+21
-136	3,674937E+21	6,613226E+21	8,869597E+21	8,869655E+21	6,613427E+21	3,675117E+21	1,298406E+21	1,203772E+20	0,000000E+00	0,000000E+00	1,204104E+20	1,298577E+21
-135	3,675344E+21	6,613543E+21	8,869572E+21	8,869278E+21	6,613021E+21	3,674975E+21	1,298374E+21	1,203453E+20	0,000000E+00	0,000000E+00	1,203794E+20	1,298481E+21
-134	3,675052E+21	6,612979E+21	8,869149E+21	8,869414E+21	6,613417E+21	3,675294E+21	1,298604E+21	1,204249E+20	0,000000E+00	0,000000E+00	1,203763E+20	1,298389E+21
-133	3,675042E+21	6,613248E+21	8,869377E+21	8,869319E+21	6,613087E+21	3,674958E+21	1,298399E+21	1,203917E+20	0,000000E+00	0,000000E+00	1,204498E+20	1,298626E+21
-132	3,675213E+21	6,613137E+21	8,868928E+21	8,868693E+21	6,612773E+21	3,675022E+21	1,298549E+21	1,204284E+20	0,000000E+00	0,000000E+00	1,204170E+20	1,298457E+21
-131	3,674754E+21	6,612367E+21	8,868429E+21	8,868691E+21	6,612928E+21	3,675166E+21	1,298686E+21	1,204990E+20	0,000000E+00	0,000000E+00	1,204698E+20	1,298542E+21
-130	3,674958E+21	6,612642E+21	8,868392E+21	8,868253E+21	6,612310E+21	3,674742E+21	1,298489E+21	1,204643E+20	0,000000E+00	0,000000E+00	1,205277E+20	1,298731E+21
-129	3,674959E+21	6,612206E+21	8,867621E+21	8,867683E+21	6,612275E+21	3,674970E+21	1,298725E+21	1,205314E+20	0,000000E+00	0,000000E+00	1,204945E+20	1,298540E+21
-128	3,674658E+21	6,611949E+21	8,867590E+21	8,867680E+21	6,612203E+21	3,674878E+21	1,298661E+21	1,205413E+20	0,000000E+00	0,000000E+00	1,205578E+20	1,298751E+21
-127	3,675044E+21	6,612365E+21	8,867673E+21	8,867289E+21	6,611650E+21	3,674590E+21	1,298565E+21	1,205135E+20	0,000000E+00	0,000000E+00	1,205551E+20	1,298723E+21
-126	3,674793E+21	6,611820E+21	8,867241E+21	8,867437E+21	6,612121E+21	3,674959E+21	1,298808E+21	1,205760E+20	0,000000E+00	0,000000E+00	1,205173E+20	1,298542E+21
-125	3,674649E+21	6,612003E+21	8,867692E+21	8,867738E+21	6,612096E+21	3,674739E+21	1,298597E+21	1,205382E+20	0,000000E+00	0,000000E+00	1,205700E+20	1,298781E+21
-124	3,674984E+21	6,612226E+21	8,867617E+21	8,867450E+21	6,611927E+21	3,674771E+21	1,298629E+21	1,205117E+20	0,000000E+00	0,000000E+00	1,205155E+20	1,298610E+21
-123	3,674658E+21	6,611755E+21	8,867443E+21	8,867836E+21	6,612448E+21	3,675073E+21	1,298767E+21	1,205465E+20	0,000000E+00	0,000000E+00	1,204915E+20	1,298553E+21
-122	3,674868E+21	6,612447E+21	8,868094E+21	8,868014E+21	6,612240E+21	3,674750E+21	1,298501E+21	1,204735E+20	0,000000E+00	0,000000E+00	1,205241E+20	1,298721E+21
-121	3,675038E+21	6,612507E+21	8,868043E+21	8,867981E+21	6,612422E+21	3,674983E+21	1,298640E+21	1,204724E+20	0,000000E+00	0,000000E+00	1,204359E+20	1,298458E+21

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°
-120	3,674738E+21	6,612376E+21	8,868369E+21	8,868533E+21	6,612764E+21	3,675057E+21	1,298615E+21	1,204820E+20	0,000000E+00	0,000000E+00	1,204614E+20	1,298575E+21
-119	3,675112E+21	6,612982E+21	8,868806E+21	8,868586E+21	6,612485E+21	3,674756E+21	1,298409E+21	1,204085E+20	0,000000E+00	0,000000E+00	1,204632E+20	1,298616E+21
-118	3,675014E+21	6,612649E+21	8,868452E+21	8,868665E+21	6,612941E+21	3,675137E+21	1,298628E+21	1,204544E+20	0,000000E+00	0,000000E+00	1,204046E+20	1,298417E+21
-117	3,674833E+21	6,612727E+21	8,868831E+21	8,868932E+21	6,612955E+21	3,675007E+21	1,298492E+21	1,204394E+20	0,000000E+00	0,000000E+00	1,204700E+20	1,298648E+21
-116	3,675215E+21	6,613050E+21	8,868806E+21	8,868529E+21	6,612528E+21	3,674863E+21	1,298467E+21	1,204116E+20	0,000000E+00	0,000000E+00	1,204423E+20	1,298553E+21
-115	3,674901E+21	6,612424E+21	8,868246E+21	8,868495E+21	6,612825E+21	3,675165E+21	1,298716E+21	1,205010E+20	0,000000E+00	0,000000E+00	1,204442E+20	1,298455E+21
-114	3,674841E+21	6,612642E+21	8,868492E+21	8,868410E+21	6,612481E+21	3,674820E+21	1,298514E+21	1,204732E+20	0,000000E+00	0,000000E+00	1,205260E+20	1,298711E+21
-113	3,674998E+21	6,612425E+21	8,867922E+21	8,867777E+21	6,612184E+21	3,674864E+21	1,298645E+21	1,205077E+20	0,000000E+00	0,000000E+00	1,204974E+20	1,298566E+21
-112	3,674620E+21	6,611755E+21	8,867381E+21	8,867627E+21	6,612243E+21	3,674975E+21	1,298761E+21	1,205705E+20	0,000000E+00	0,000000E+00	1,205510E+20	1,298667E+21
-111	3,674852E+21	6,612074E+21	8,867425E+21	8,867231E+21	6,611614E+21	3,674533E+21	1,298553E+21	1,205309E+20	0,000000E+00	0,000000E+00	1,205996E+20	1,298832E+21
-110	3,674851E+21	6,611685E+21	8,866741E+21	8,866761E+21	6,611654E+21	3,674798E+21	1,298803E+21	1,205977E+20	0,000000E+00	0,000000E+00	1,205618E+20	1,298618E+21
-109	3,674511E+21	6,611439E+21	8,866870E+21	8,866955E+21	6,611674E+21	3,674734E+21	1,298758E+21	1,206139E+20	0,000000E+00	0,000000E+00	1,206181E+20	1,298800E+21
-108	3,674846E+21	6,611799E+21	8,866940E+21	8,866645E+21	6,611219E+21	3,674479E+21	1,298655E+21	1,205822E+20	0,000000E+00	0,000000E+00	1,206180E+20	1,298786E+21
-107	3,674595E+21	6,611190E+21	8,866321E+21	8,866618E+21	6,611652E+21	3,674865E+21	1,298901E+21	1,206422E+20	0,000000E+00	0,000000E+00	1,205802E+20	1,298617E+21
-106	3,674479E+21	6,611427E+21	8,866829E+21	8,866886E+21	6,611593E+21	3,674651E+21	1,298692E+21	1,206014E+20	0,000000E+00	0,000000E+00	1,206336E+20	1,298864E+21
-105	3,674849E+21	6,611670E+21	8,866762E+21	8,866645E+21	6,611427E+21	3,674645E+21	1,298703E+21	1,205688E+20	0,000000E+00	0,000000E+00	1,205748E+20	1,298691E+21
-104	3,674592E+21	6,611367E+21	8,866669E+21	8,866979E+21	6,611882E+21	3,674909E+21	1,298822E+21	1,205993E+20	0,000000E+00	0,000000E+00	1,205502E+20	1,298637E+21
-103	3,674781E+21	6,612065E+21	8,867457E+21	8,867288E+21	6,611695E+21	3,674564E+21	1,298546E+21	1,205244E+20	0,000000E+00	0,000000E+00	1,205784E+20	1,298789E+21
-102	3,674916E+21	6,612066E+21	8,867388E+21	8,867331E+21	6,611962E+21	3,674831E+21	1,298693E+21	1,205258E+20	0,000000E+00	0,000000E+00	1,204939E+20	1,298535E+21
-101	3,674602E+21	6,611893E+21	8,867717E+21	8,867938E+21	6,612359E+21	3,674941E+21	1,298684E+21	1,205408E+20	0,000000E+00	0,000000E+00	1,205192E+20	1,298650E+21
-100	3,674985E+21	6,612486E+21	8,868072E+21	8,867912E+21	6,612067E+21	3,674659E+21	1,298484E+21	1,204660E+20	0,000000E+00	0,000000E+00	1,205228E+20	1,298699E+21
-99	3,674904E+21	6,612136E+21	8,867566E+21	8,867785E+21	6,612414E+21	3,675028E+21	1,298722E+21	1,205191E+20	0,000000E+00	0,000000E+00	1,204657E+20	1,298489E+21
-98	3,674701E+21	6,612247E+21	8,868039E+21	8,868063E+21	6,612399E+21	3,674898E+21	1,298602E+21	1,205116E+20	0,000000E+00	0,000000E+00	1,205346E+20	1,298708E+21
-97	3,675027E+21	6,612467E+21	8,867972E+21	8,867714E+21	6,611974E+21	3,674715E+21	1,298569E+21	1,204880E+20	0,000000E+00	0,000000E+00	1,205112E+20	1,298621E+21
-96	3,674724E+21	6,611841E+21	8,867323E+21	8,867574E+21	6,612219E+21	3,674989E+21	1,298800E+21	1,205748E+20	0,000000E+00	0,000000E+00	1,205216E+20	1,298554E+21
-95	3,674660E+21	6,611991E+21	8,867537E+21	8,867475E+21	6,611858E+21	3,674628E+21	1,298581E+21	1,205413E+20	0,000000E+00	0,000000E+00	1,206014E+20	1,298817E+21
-94	3,674844E+21	6,611774E+21	8,866908E+21	8,866792E+21	6,611556E+21	3,674694E+21	1,298722E+21	1,205754E+20	0,000000E+00	0,000000E+00	1,205734E+20	1,298678E+21
-93	3,674495E+21	6,611180E+21	8,866490E+21	8,866735E+21	6,611645E+21	3,674815E+21	1,298850E+21	1,206412E+20	0,000000E+00	0,000000E+00	1,206186E+20	1,298753E+21
-92	3,674726E+21	6,611555E+21	8,866600E+21	8,866385E+21	6,611056E+21	3,674393E+21	1,298645E+21	1,206020E+20	0,000000E+00	0,000000E+00	1,206663E+20	1,298906E+21
-91	3,674695E+21	6,611131E+21	8,865863E+21	8,865860E+21	6,611068E+21	3,674659E+21	1,298907E+21	1,206728E+20	0,000000E+00	0,000000E+00	1,206295E+20	1,298687E+21
-90	3,674324E+21	6,610860E+21	8,866048E+21	8,866141E+21	6,611151E+21	3,674613E+21	1,298862E+21	1,206903E+20	0,000000E+00	0,000000E+00	1,206884E+20	1,298878E+21
-89	3,674647E+21	6,611136E+21	8,866023E+21	8,865847E+21	6,610740E+21	3,674358E+21	1,298741E+21	1,206512E+20	0,000000E+00	0,000000E+00	1,206885E+20	1,298882E+21
-88	3,674485E+21	6,610659E+21	8,865400E+21	8,865682E+21	6,611076E+21	3,674714E+21	1,298965E+21	1,207002E+20	0,000000E+00	0,000000E+00	1,206483E+20	1,298725E+21
-87	3,674392E+21	6,610951E+21	8,866024E+21	8,866019E+21	6,611008E+21	3,674473E+21	1,298742E+21	1,206530E+20	0,000000E+00	0,000000E+00	1,206904E+20	1,298941E+21
-86	3,674753E+21	6,611247E+21	8,866049E+21	8,865871E+21	6,610904E+21	3,674494E+21	1,298762E+21	1,206204E+20	0,000000E+00	0,000000E+00	1,206288E+20	1,298755E+21
-85	3,674471E+21	6,610961E+21	8,866109E+21	8,866378E+21	6,611427E+21	3,674768E+21	1,298891E+21	1,206570E+20	0,000000E+00	0,000000E+00	1,205998E+20	1,298684E+21

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°
-84	3,674631E+21	6,611600E+21	8,866839E+21	8,866728E+21	6,611328E+21	3,674460E+21	1,298615E+21	1,205807E+20	0,000000E+00	0,000000E+00	1,206322E+20	1,298850E+21
-83	3,674765E+21	6,611539E+21	8,866601E+21	8,866592E+21	6,611530E+21	3,674736E+21	1,298771E+21	1,205847E+20	0,000000E+00	0,000000E+00	1,205514E+20	1,298611E+21
-82	3,674473E+21	6,611391E+21	8,866945E+21	8,867156E+21	6,611893E+21	3,674853E+21	1,298776E+21	1,206041E+20	0,000000E+00	0,000000E+00	1,205789E+20	1,298721E+21
-81	3,674846E+21	6,611949E+21	8,867259E+21	8,867145E+21	6,611597E+21	3,674548E+21	1,298573E+21	1,205304E+20	0,000000E+00	0,000000E+00	1,205833E+20	1,298771E+21
-80	3,674806E+21	6,611699E+21	8,866762E+21	8,866881E+21	6,611820E+21	3,674868E+21	1,298801E+21	1,205847E+20	0,000000E+00	0,000000E+00	1,205333E+20	1,298571E+21
-79	3,674549E+21	6,611713E+21	8,867252E+21	8,867221E+21	6,611797E+21	3,674711E+21	1,298677E+21	1,205784E+20	0,000000E+00	0,000000E+00	1,206015E+20	1,298780E+21
-78	3,674838E+21	6,611847E+21	8,867090E+21	8,866878E+21	6,611429E+21	3,674552E+21	1,298645E+21	1,205572E+20	0,000000E+00	0,000000E+00	1,205869E+20	1,298723E+21
-77	3,674552E+21	6,611203E+21	8,866422E+21	8,866708E+21	6,611655E+21	3,674832E+21	1,298883E+21	1,206466E+20	0,000000E+00	0,000000E+00	1,205960E+20	1,298661E+21
-76	3,674526E+21	6,611368E+21	8,866572E+21	8,866542E+21	6,611278E+21	3,674484E+21	1,298666E+21	1,206109E+20	0,000000E+00	0,000000E+00	1,206745E+20	1,298922E+21
-75	3,674725E+21	6,611183E+21	8,865898E+21	8,865738E+21	6,610891E+21	3,674532E+21	1,298819E+21	1,206501E+20	0,000000E+00	0,000000E+00	1,206454E+20	1,298767E+21
-74	3,674359E+21	6,610649E+21	8,865628E+21	8,865779E+21	6,611014E+21	3,674664E+21	1,298958E+21	1,207204E+20	0,000000E+00	0,000000E+00	1,206890E+20	1,298821E+21
-73	3,674533E+21	6,610944E+21	8,865743E+21	8,865562E+21	6,610511E+21	3,674247E+21	1,298748E+21	1,206815E+20	0,000000E+00	0,000000E+00	1,207380E+20	1,298981E+21
-72	3,674532E+21	6,610553E+21	8,864967E+21	8,864962E+21	6,610497E+21	3,674499E+21	1,298985E+21	1,207427E+20	0,000000E+00	0,000000E+00	1,207056E+20	1,298789E+21
-71	3,674164E+21	6,610248E+21	8,865162E+21	8,865283E+21	6,610595E+21	3,674453E+21	1,298928E+21	1,207510E+20	0,000000E+00	0,000000E+00	1,207555E+20	1,298970E+21
-70	3,674513E+21	6,610565E+21	8,865138E+21	8,864995E+21	6,610218E+21	3,674224E+21	1,298808E+21	1,207069E+20	0,000000E+00	0,000000E+00	1,207529E+20	1,298975E+21
-69	3,674378E+21	6,610185E+21	8,864676E+21	8,864918E+21	6,610567E+21	3,674579E+21	1,299036E+21	1,207562E+20	0,000000E+00	0,000000E+00	1,207014E+20	1,298792E+21
-68	3,674290E+21	6,610526E+21	8,865358E+21	8,865315E+21	6,610544E+21	3,674357E+21	1,298816E+21	1,207090E+20	0,000000E+00	0,000000E+00	1,207407E+20	1,298990E+21
-67	3,674611E+21	6,610778E+21	8,865343E+21	8,865137E+21	6,610417E+21	3,674371E+21	1,298847E+21	1,206823E+20	0,000000E+00	0,000000E+00	1,206819E+20	1,298810E+21
-66	3,674318E+21	6,610481E+21	8,865439E+21	8,865716E+21	6,611005E+21	3,674663E+21	1,298974E+21	1,207219E+20	0,000000E+00	0,000000E+00	1,206583E+20	1,298751E+21
-65	3,674475E+21	6,611042E+21	8,866056E+21	8,866032E+21	6,610921E+21	3,674363E+21	1,298695E+21	1,206431E+20	0,000000E+00	0,000000E+00	1,206936E+20	1,298936E+21
-64	3,674685E+21	6,611076E+21	8,865786E+21	8,865732E+21	6,610994E+21	3,674595E+21	1,298832E+21	1,206409E+20	0,000000E+00	0,000000E+00	1,206162E+20	1,298710E+21
-63	3,674390E+21	6,610942E+21	8,866202E+21	8,866346E+21	6,611334E+21	3,674681E+21	1,298832E+21	1,206581E+20	0,000000E+00	0,000000E+00	1,206373E+20	1,298788E+21
-62	3,674718E+21	6,611473E+21	8,866519E+21	8,866359E+21	6,611070E+21	3,674400E+21	1,298641E+21	1,205898E+20	0,000000E+00	0,000000E+00	1,206452E+20	1,298836E+21
-61	3,674635E+21	6,611182E+21	8,866083E+21	8,866168E+21	6,611308E+21	3,674722E+21	1,298883E+21	1,206518E+20	0,000000E+00	0,000000E+00	1,205968E+20	1,298640E+21
-60	3,674371E+21	6,611108E+21	8,866419E+21	8,866455E+21	6,611325E+21	3,674590E+21	1,298759E+21	1,206452E+20	0,000000E+00	0,000000E+00	1,206694E+20	1,298860E+21
-59	3,674656E+21	6,611180E+21	8,866083E+21	8,865905E+21	6,610851E+21	3,674425E+21	1,298741E+21	1,206294E+20	0,000000E+00	0,000000E+00	1,206602E+20	1,298828E+21
-58	3,674421E+21	6,610600E+21	8,865459E+21	8,865721E+21	6,611042E+21	3,674689E+21	1,298980E+21	1,207216E+20	0,000000E+00	0,000000E+00	1,206696E+20	1,298757E+21
-57	3,674392E+21	6,610763E+21	8,865610E+21	8,865581E+21	6,610674E+21	3,674332E+21	1,298765E+21	1,206872E+20	0,000000E+00	0,000000E+00	1,207468E+20	1,299014E+21
-56	3,674627E+21	6,610684E+21	8,865014E+21	8,864730E+21	6,610203E+21	3,674339E+21	1,298904E+21	1,207242E+20	0,000000E+00	0,000000E+00	1,207223E+20	1,298863E+21
-55	3,674209E+21	6,610093E+21	8,864817E+21	8,864917E+21	6,610381E+21	3,674461E+21	1,299034E+21	1,207914E+20	0,000000E+00	0,000000E+00	1,207609E+20	1,298900E+21
-54	3,674344E+21	6,610315E+21	8,864860E+21	8,864736E+21	6,609991E+21	3,674103E+21	1,298828E+21	1,207519E+20	0,000000E+00	0,000000E+00	1,208140E+20	1,299079E+21
-53	3,674360E+21	6,609939E+21	8,864124E+21	8,864140E+21	6,609976E+21	3,674373E+21	1,299069E+21	1,208095E+20	0,000000E+00	0,000000E+00	1,207746E+20	1,298888E+21
-52	3,674042E+21	6,609666E+21	8,864271E+21	8,864436E+21	6,610086E+21	3,674342E+21	1,299010E+21	1,208125E+20	0,000000E+00	0,000000E+00	1,208162E+20	1,299044E+21
-51	3,674383E+21	6,610027E+21	8,864253E+21	8,864080E+21	6,609650E+21	3,674099E+21	1,298900E+21	1,207715E+20	0,000000E+00	0,000000E+00	1,208106E+20	1,299039E+21
-50	3,674248E+21	6,609718E+21	8,863943E+21	8,864114E+21	6,610031E+21	3,674449E+21	1,299127E+21	1,208239E+20	0,000000E+00	0,000000E+00	1,207561E+20	1,298837E+21
-49	3,674115E+21	6,609987E+21	8,864627E+21	8,864631E+21	6,610098E+21	3,674241E+21	1,298904E+21	1,207761E+20	0,000000E+00	0,000000E+00	1,207983E+20	1,299051E+21

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°
-48	3,674484E+21	6,610292E+21	8,864591E+21	8,864376E+21	6,609920E+21	3,674223E+21	1,298903E+21	1,207399E+20	0,000000E+00	0,000000E+00	1,207463E+20	1,298903E+21
-47	3,674203E+21	6,609981E+21	8,864699E+21	8,864977E+21	6,610505E+21	3,674508E+21	1,299020E+21	1,207719E+20	0,000000E+00	0,000000E+00	1,207174E+20	1,298836E+21
-46	3,674376E+21	6,610564E+21	8,865301E+21	8,865296E+21	6,610469E+21	3,674246E+21	1,298749E+21	1,206925E+20	0,000000E+00	0,000000E+00	1,207532E+20	1,299019E+21
-45	3,674591E+21	6,610669E+21	8,865157E+21	8,865032E+21	6,610514E+21	3,674468E+21	1,298896E+21	1,206942E+20	0,000000E+00	0,000000E+00	1,206708E+20	1,298778E+21
-44	3,674287E+21	6,610504E+21	8,865527E+21	8,865646E+21	6,610870E+21	3,674570E+21	1,298909E+21	1,207159E+20	0,000000E+00	0,000000E+00	1,206921E+20	1,298832E+21
-43	3,674535E+21	6,610919E+21	8,865733E+21	8,865574E+21	6,610553E+21	3,674275E+21	1,298736E+21	1,206586E+20	0,000000E+00	0,000000E+00	1,207081E+20	1,298903E+21
-42	3,674455E+21	6,610580E+21	8,865231E+21	8,865347E+21	6,610794E+21	3,674599E+21	1,298978E+21	1,207268E+20	0,000000E+00	0,000000E+00	1,206676E+20	1,298726E+21
-41	3,674200E+21	6,610440E+21	8,865430E+21	8,865540E+21	6,610784E+21	3,674472E+21	1,298859E+21	1,207195E+20	0,000000E+00	0,000000E+00	1,207435E+20	1,298969E+21
-40	3,674569E+21	6,610622E+21	8,865086E+21	8,864835E+21	6,610158E+21	3,674238E+21	1,298818E+21	1,207001E+20	0,000000E+00	0,000000E+00	1,207386E+20	1,298946E+21
-39	3,674329E+21	6,610080E+21	8,864582E+21	8,864747E+21	6,610345E+21	3,674471E+21	1,299048E+21	1,207888E+20	0,000000E+00	0,000000E+00	1,207411E+20	1,298842E+21
-38	3,674252E+21	6,610221E+21	8,864773E+21	8,864699E+21	6,610065E+21	3,674160E+21	1,298849E+21	1,207595E+20	0,000000E+00	0,000000E+00	1,208204E+20	1,299092E+21
-37	3,674436E+21	6,610109E+21	8,864267E+21	8,863964E+21	6,609652E+21	3,674181E+21	1,298992E+21	1,207987E+20	0,000000E+00	0,000000E+00	1,207951E+20	1,298946E+21
-36	3,674028E+21	6,609453E+21	8,863934E+21	8,864123E+21	6,609900E+21	3,674350E+21	1,299123E+21	1,208610E+20	0,000000E+00	0,000000E+00	1,208303E+20	1,298975E+21
-35	3,674143E+21	6,609628E+21	8,863853E+21	8,863789E+21	6,609440E+21	3,674005E+21	1,298937E+21	1,208247E+20	0,000000E+00	0,000000E+00	1,208829E+20	1,299168E+21
-34	3,674212E+21	6,609334E+21	8,863187E+21	8,863226E+21	6,609424E+21	3,674262E+21	1,299171E+21	1,208808E+20	0,000000E+00	0,000000E+00	1,208393E+20	1,298965E+21
-33	3,673907E+21	6,609095E+21	8,863360E+21	8,863544E+21	6,609540E+21	3,674223E+21	1,299108E+21	1,208819E+20	0,000000E+00	0,000000E+00	1,208770E+20	1,299115E+21
-32	3,674280E+21	6,609557E+21	8,863438E+21	8,863171E+21	6,609026E+21	3,673923E+21	1,298972E+21	1,208352E+20	0,000000E+00	0,000000E+00	1,208753E+20	1,299122E+21
-31	3,674125E+21	6,609246E+21	8,863255E+21	8,863395E+21	6,609473E+21	3,674245E+21	1,299172E+21	1,208794E+20	0,000000E+00	0,000000E+00	1,208172E+20	1,298916E+21
-30	3,673984E+21	6,609486E+21	8,863890E+21	8,863939E+21	6,609648E+21	3,674103E+21	1,298954E+21	1,208305E+20	0,000000E+00	0,000000E+00	1,208632E+20	1,299145E+21
-29	3,674372E+21	6,609837E+21	8,863940E+21	8,863711E+21	6,609470E+21	3,674101E+21	1,298956E+21	1,207905E+20	0,000000E+00	0,000000E+00	1,208046E+20	1,298995E+21
-28	3,674139E+21	6,609566E+21	8,864009E+21	8,864287E+21	6,610068E+21	3,674405E+21	1,299079E+21	1,208206E+20	0,000000E+00	0,000000E+00	1,207679E+20	1,298887E+21
-27	3,674251E+21	6,610117E+21	8,864568E+21	8,864524E+21	6,609983E+21	3,674150E+21	1,298838E+21	1,207511E+20	0,000000E+00	0,000000E+00	1,208039E+20	1,299062E+21
-26	3,674439E+21	6,610204E+21	8,864472E+21	8,864331E+21	6,610045E+21	3,674363E+21	1,298991E+21	1,207617E+20	0,000000E+00	0,000000E+00	1,207262E+20	1,298819E+21
-25	3,674092E+21	6,609909E+21	8,864708E+21	8,864923E+21	6,610423E+21	3,674471E+21	1,299010E+21	1,207871E+20	0,000000E+00	0,000000E+00	1,207557E+20	1,298901E+21
-24	3,674375E+21	6,610323E+21	8,864819E+21	8,864675E+21	6,609981E+21	3,674126E+21	1,298814E+21	1,207260E+20	0,000000E+00	0,000000E+00	1,207824E+20	1,299013E+21
-23	3,674327E+21	6,609995E+21	8,864331E+21	8,864438E+21	6,610158E+21	3,674403E+21	1,299038E+21	1,207887E+20	0,000000E+00	0,000000E+00	1,207403E+20	1,298833E+21
-22	3,674092E+21	6,609888E+21	8,864511E+21	8,864609E+21	6,610172E+21	3,674305E+21	1,298931E+21	1,207842E+20	0,000000E+00	0,000000E+00	1,208173E+20	1,299071E+21
-21	3,674456E+21	6,610141E+21	8,864316E+21	8,863966E+21	6,609542E+21	3,674065E+21	1,298895E+21	1,207690E+20	0,000000E+00	0,000000E+00	1,208089E+20	1,299035E+21
-20	3,674206E+21	6,609566E+21	8,863789E+21	8,863922E+21	6,609780E+21	3,674324E+21	1,299135E+21	1,208592E+20	0,000000E+00	0,000000E+00	1,208087E+20	1,298901E+21
-19	3,674040E+21	6,609581E+21	8,863874E+21	8,863839E+21	6,609512E+21	3,674037E+21	1,298963E+21	1,208403E+20	0,000000E+00	0,000000E+00	1,208936E+20	1,299173E+21
-18	3,674235E+21	6,609425E+21	8,863294E+21	8,863090E+21	6,609126E+21	3,674071E+21	1,299104E+21	1,208814E+20	0,000000E+00	0,000000E+00	1,208724E+20	1,299039E+21
-17	3,673845E+21	6,608733E+21	8,862851E+21	8,863157E+21	6,609352E+21	3,674251E+21	1,299237E+21	1,209386E+20	0,000000E+00	0,000000E+00	1,209051E+20	1,299080E+21
-16	3,674029E+21	6,609033E+21	8,862830E+21	8,862714E+21	6,608744E+21	3,673826E+21	1,299020E+21	1,208945E+20	0,000000E+00	0,000000E+00	1,209570E+20	1,299274E+21
-15	3,674105E+21	6,608819E+21	8,862328E+21	8,862277E+21	6,608726E+21	3,674040E+21	1,299231E+21	1,209418E+20	0,000000E+00	0,000000E+00	1,209040E+20	1,299042E+21
-14	3,673776E+21	6,608605E+21	8,862584E+21	8,862728E+21	6,608964E+21	3,674050E+21	1,299173E+21	1,209434E+20	0,000000E+00	0,000000E+00	1,209410E+20	1,299187E+21
-13	3,674127E+21	6,609094E+21	8,862803E+21	8,862510E+21	6,608542E+21	3,673766E+21	1,299029E+21	1,208932E+20	0,000000E+00	0,000000E+00	1,209360E+20	1,299203E+21

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°
-12	3,674008E+21	6,608773E+21	8,862558E+21	8,862757E+21	6,609072E+21	3,674136E+21	1,299225E+21	1,209297E+20	0,000000E+00	0,000000E+00	1,208715E+20	1,298979E+21
-11	3,673845E+21	6,608983E+21	8,863127E+21	8,863218E+21	6,609216E+21	3,674024E+21	1,299038E+21	1,208866E+20	0,000000E+00	0,000000E+00	1,209166E+20	1,299213E+21
-10	3,674262E+21	6,609378E+21	8,863219E+21	8,863035E+21	6,609056E+21	3,674018E+21	1,299041E+21	1,208489E+20	0,000000E+00	0,000000E+00	1,208554E+20	1,299045E+21
-9	3,674011E+21	6,609099E+21	8,863264E+21	8,863572E+21	6,609638E+21	3,674331E+21	1,299177E+21	1,208826E+20	0,000000E+00	0,000000E+00	1,208203E+20	1,298937E+21
-8	3,674113E+21	6,609649E+21	8,863826E+21	8,863725E+21	6,609428E+21	3,674004E+21	1,298919E+21	1,208141E+20	0,000000E+00	0,000000E+00	1,208648E+20	1,299128E+21
-7	3,674277E+21	6,609678E+21	8,863728E+21	8,863598E+21	6,609491E+21	3,674175E+21	1,299051E+21	1,208221E+20	0,000000E+00	0,000000E+00	1,207923E+20	1,298905E+21
-6	3,673944E+21	6,609336E+21	8,863825E+21	8,864101E+21	6,609904E+21	3,674328E+21	1,299077E+21	1,208495E+20	0,000000E+00	0,000000E+00	1,208299E+20	1,299012E+21
-5	3,674253E+21	6,609797E+21	8,863995E+21	8,863824E+21	6,609411E+21	3,673968E+21	1,298880E+21	1,207878E+20	0,000000E+00	0,000000E+00	1,208540E+20	1,299132E+21
-4	3,674263E+21	6,609522E+21	8,863496E+21	8,863573E+21	6,609579E+21	3,674240E+21	1,299101E+21	1,208488E+20	0,000000E+00	0,000000E+00	1,208053E+20	1,298908E+21
-3	3,673955E+21	6,609367E+21	8,863657E+21	8,863698E+21	6,609563E+21	3,674163E+21	1,299034E+21	1,208575E+20	0,000000E+00	0,000000E+00	1,208824E+20	1,299135E+21
-2	3,674278E+21	6,609571E+21	8,863492E+21	8,863174E+21	6,609005E+21	3,673933E+21	1,299007E+21	1,208512E+20	0,000000E+00	0,000000E+00	1,208786E+20	1,299095E+21
-1	3,673986E+21	6,608893E+21	8,862840E+21	8,863080E+21	6,609271E+21	3,674221E+21	1,299254E+21	1,209417E+20	0,000000E+00	0,000000E+00	1,208846E+20	1,298987E+21
1	3,673844E+21	6,608879E+21	8,862817E+21	8,862817E+21	6,608880E+21	3,673892E+21	1,299063E+21	1,209182E+20	0,000000E+00	0,000000E+00	1,209745E+20	1,299286E+21
2	3,674082E+21	6,608768E+21	8,862280E+21	8,862101E+21	6,608454E+21	3,673881E+21	1,299181E+21	1,209487E+20	0,000000E+00	0,000000E+00	1,209500E+20	1,299152E+21
3	3,673732E+21	6,608151E+21	8,861848E+21	8,862154E+21	6,608710E+21	3,674080E+21	1,299312E+21	1,210038E+20	0,000000E+00	0,000000E+00	1,209781E+20	1,299180E+21
4	3,673907E+21	6,608556E+21	8,862049E+21	8,861824E+21	6,608113E+21	3,673643E+21	1,299089E+21	1,209583E+20	0,000000E+00	0,000000E+00	1,210223E+20	1,299360E+21
5	3,673997E+21	6,608368E+21	8,861619E+21	8,861522E+21	6,608174E+21	3,673866E+21	1,299291E+21	1,210009E+20	0,000000E+00	0,000000E+00	1,209615E+20	1,299094E+21
6	3,673595E+21	6,608071E+21	8,861832E+21	8,862000E+21	6,608477E+21	3,673923E+21	1,299261E+21	1,210102E+20	0,000000E+00	0,000000E+00	1,210007E+20	1,299258E+21
7	3,673970E+21	6,608549E+21	8,862024E+21	8,861842E+21	6,608151E+21	3,673681E+21	1,299118E+21	1,209596E+20	0,000000E+00	0,000000E+00	1,209959E+20	1,299275E+21
8	3,673874E+21	6,608240E+21	8,861731E+21	8,862016E+21	6,608660E+21	3,674071E+21	1,299320E+21	1,209915E+20	0,000000E+00	0,000000E+00	1,209292E+20	1,299058E+21
9	3,673748E+21	6,608518E+21	8,862324E+21	8,862373E+21	6,608675E+21	3,673897E+21	1,299117E+21	1,209456E+20	0,000000E+00	0,000000E+00	1,209742E+20	1,299282E+21
10	3,674144E+21	6,608939E+21	8,862529E+21	8,862296E+21	6,608501E+21	3,673844E+21	1,299102E+21	1,209027E+20	0,000000E+00	0,000000E+00	1,209114E+20	1,299103E+21
11	3,673863E+21	6,608621E+21	8,862532E+21	8,862849E+21	6,609144E+21	3,674187E+21	1,299245E+21	1,209412E+20	0,000000E+00	0,000000E+00	1,208827E+20	1,299005E+21
12	3,673936E+21	6,609146E+21	8,863135E+21	8,863038E+21	6,608950E+21	3,673856E+21	1,298978E+21	1,208719E+20	0,000000E+00	0,000000E+00	1,209291E+20	1,299221E+21
13	3,674156E+21	6,609162E+21	8,862933E+21	8,862845E+21	6,609012E+21	3,674040E+21	1,299105E+21	1,208761E+20	0,000000E+00	0,000000E+00	1,208540E+20	1,298989E+21
14	3,673811E+21	6,608798E+21	8,862966E+21	8,863243E+21	6,609365E+21	3,674205E+21	1,299165E+21	1,209130E+20	0,000000E+00	0,000000E+00	1,208936E+20	1,299104E+21
15	3,674152E+21	6,609297E+21	8,863150E+21	8,863001E+21	6,608895E+21	3,673843E+21	1,298975E+21	1,208584E+20	0,000000E+00	0,000000E+00	1,209169E+20	1,299203E+21
16	3,674128E+21	6,609002E+21	8,862641E+21	8,862715E+21	6,609042E+21	3,674127E+21	1,299210E+21	1,209234E+20	0,000000E+00	0,000000E+00	1,208724E+20	1,298982E+21
17	3,673794E+21	6,608800E+21	8,862789E+21	8,862786E+21	6,608926E+21	3,673988E+21	1,299132E+21	1,209349E+20	0,000000E+00	0,000000E+00	1,209570E+20	1,299219E+21
18	3,674086E+21	6,608929E+21	8,862585E+21	8,862308E+21	6,608382E+21	3,673737E+21	1,299087E+21	1,209257E+20	0,000000E+00	0,000000E+00	1,209596E+20	1,299198E+21
19	3,673809E+21	6,608220E+21	8,861795E+21	8,862100E+21	6,608678E+21	3,674077E+21	1,299344E+21	1,210149E+20	0,000000E+00	0,000000E+00	1,209688E+20	1,299108E+21
20	3,673692E+21	6,608275E+21	8,861866E+21	8,861831E+21	6,608234E+21	3,673721E+21	1,299144E+21	1,209878E+20	0,000000E+00	0,000000E+00	1,210504E+20	1,299401E+21
21	3,673987E+21	6,608239E+21	8,861366E+21	8,861142E+21	6,607819E+21	3,673700E+21	1,299250E+21	1,210127E+20	0,000000E+00	0,000000E+00	1,210150E+20	1,299221E+21
22	3,673577E+21	6,607613E+21	8,860988E+21	8,861230E+21	6,608086E+21	3,673920E+21	1,299411E+21	1,210758E+20	0,000000E+00	0,000000E+00	1,210398E+20	1,299242E+21
23	3,673734E+21	6,607996E+21	8,861247E+21	8,861079E+21	6,607621E+21	3,673509E+21	1,299188E+21	1,210340E+20	0,000000E+00	0,000000E+00	1,210840E+20	1,299415E+21
24	3,673806E+21	6,607776E+21	8,860792E+21	8,860791E+21	6,607745E+21	3,673775E+21	1,299387E+21	1,210704E+20	0,000000E+00	0,000000E+00	1,210260E+20	1,299176E+21

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°
25	3,673444E+21	6,607499E+21	8,860974E+21	8,861159E+21	6,607949E+21	3,673796E+21	1,299343E+21	1,210745E+20	0,000000E+00	0,000000E+00	1,210659E+20	1,299351E+21
26	3,673855E+21	6,608035E+21	8,861235E+21	8,861074E+21	6,607628E+21	3,673531E+21	1,299180E+21	1,210138E+20	0,000000E+00	0,000000E+00	1,210578E+20	1,299361E+21
27	3,673781E+21	6,607793E+21	8,860950E+21	8,861225E+21	6,608169E+21	3,673947E+21	1,299384E+21	1,210446E+20	0,000000E+00	0,000000E+00	1,209889E+20	1,299133E+21
28	3,673629E+21	6,608121E+21	8,861698E+21	8,861653E+21	6,608171E+21	3,673754E+21	1,299178E+21	1,209987E+20	0,000000E+00	0,000000E+00	1,210289E+20	1,299349E+21
29	3,674027E+21	6,608519E+21	8,861901E+21	8,861649E+21	6,608039E+21	3,673692E+21	1,299151E+21	1,209537E+20	0,000000E+00	0,000000E+00	1,209643E+20	1,299155E+21
30	3,673694E+21	6,608100E+21	8,861777E+21	8,862117E+21	6,608681E+21	3,674064E+21	1,299324E+21	1,210029E+20	0,000000E+00	0,000000E+00	1,209426E+20	1,299088E+21
31	3,673799E+21	6,608586E+21	8,862302E+21	8,862307E+21	6,608532E+21	3,673760E+21	1,299066E+21	1,209374E+20	0,000000E+00	0,000000E+00	1,209909E+20	1,299307E+21
32	3,674046E+21	6,608645E+21	8,862083E+21	8,862013E+21	6,608516E+21	3,673934E+21	1,299195E+21	1,209413E+20	0,000000E+00	0,000000E+00	1,209179E+20	1,299082E+21
33	3,673715E+21	6,608310E+21	8,862114E+21	8,862293E+21	6,608723E+21	3,674031E+21	1,299249E+21	1,209811E+20	0,000000E+00	0,000000E+00	1,209591E+20	1,299181E+21
34	3,674019E+21	6,608798E+21	8,862378E+21	8,862165E+21	6,608276E+21	3,673652E+21	1,299051E+21	1,209263E+20	0,000000E+00	0,000000E+00	1,209852E+20	1,299273E+21
35	3,673953E+21	6,608433E+21	8,861791E+21	8,861875E+21	6,608481E+21	3,673969E+21	1,299297E+21	1,209965E+20	0,000000E+00	0,000000E+00	1,209493E+20	1,299066E+21
36	3,673588E+21	6,608183E+21	8,861926E+21	8,861938E+21	6,608371E+21	3,673835E+21	1,299216E+21	1,210069E+20	0,000000E+00	0,000000E+00	1,210334E+20	1,299322E+21
37	3,673927E+21	6,608298E+21	8,861637E+21	8,861401E+21	6,607818E+21	3,673587E+21	1,299163E+21	1,209931E+20	0,000000E+00	0,000000E+00	1,210326E+20	1,299289E+21
38	3,673640E+21	6,607575E+21	8,860786E+21	8,861091E+21	6,608057E+21	3,673938E+21	1,299448E+21	1,210886E+20	0,000000E+00	0,000000E+00	1,210403E+20	1,299205E+21
39	3,673553E+21	6,607663E+21	8,860894E+21	8,860901E+21	6,607667E+21	3,673587E+21	1,299252E+21	1,210658E+20	0,000000E+00	0,000000E+00	1,211166E+20	1,299471E+21
40	3,673828E+21	6,607668E+21	8,860467E+21	8,860222E+21	6,607237E+21	3,673569E+21	1,299359E+21	1,210898E+20	0,000000E+00	0,000000E+00	1,210832E+20	1,299300E+21
41	3,673411E+21	6,607029E+21	8,860117E+21	8,860316E+21	6,607444E+21	3,673730E+21	1,299501E+21	1,211518E+20	0,000000E+00	0,000000E+00	1,211108E+20	1,299330E+21
42	3,673569E+21	6,607399E+21	8,860400E+21	8,860270E+21	6,607062E+21	3,673335E+21	1,299259E+21	1,211020E+20	0,000000E+00	0,000000E+00	1,211585E+20	1,299519E+21
43	3,673675E+21	6,607206E+21	8,859900E+21	8,859940E+21	6,607236E+21	3,673647E+21	1,299457E+21	1,211316E+20	0,000000E+00	0,000000E+00	1,210994E+20	1,299287E+21
44	3,673348E+21	6,607043E+21	8,860223E+21	8,860348E+21	6,607415E+21	3,673651E+21	1,299403E+21	1,211293E+20	0,000000E+00	0,000000E+00	1,211274E+20	1,299443E+21
45	3,673788E+21	6,607636E+21	8,860538E+21	8,860325E+21	6,607131E+21	3,673385E+21	1,299229E+21	1,210628E+20	0,000000E+00	0,000000E+00	1,211075E+20	1,299402E+21
46	3,673632E+21	6,607354E+21	8,860289E+21	8,860500E+21	6,607688E+21	3,673829E+21	1,299466E+21	1,211026E+20	0,000000E+00	0,000000E+00	1,210386E+20	1,299180E+21
47	3,673464E+21	6,607601E+21	8,861002E+21	8,861043E+21	6,607794E+21	3,673654E+21	1,299265E+21	1,210628E+20	0,000000E+00	0,000000E+00	1,210801E+20	1,299388E+21
48	3,673842E+21	6,607960E+21	8,861122E+21	8,860954E+21	6,607653E+21	3,673619E+21	1,299240E+21	1,210157E+20	0,000000E+00	0,000000E+00	1,210230E+20	1,299237E+21
49	3,673562E+21	6,607554E+21	8,860943E+21	8,861272E+21	6,608139E+21	3,673922E+21	1,299398E+21	1,210641E+20	0,000000E+00	0,000000E+00	1,210059E+20	1,299184E+21
50	3,673707E+21	6,608089E+21	8,861507E+21	8,861481E+21	6,607965E+21	3,673596E+21	1,299131E+21	1,209953E+20	0,000000E+00	0,000000E+00	1,210556E+20	1,299397E+21
51	3,673957E+21	6,608187E+21	8,861288E+21	8,861157E+21	6,607963E+21	3,673786E+21	1,299265E+21	1,210026E+20	0,000000E+00	0,000000E+00	1,209852E+20	1,299163E+21
52	3,673590E+21	6,607881E+21	8,861434E+21	8,861494E+21	6,608146E+21	3,673859E+21	1,299320E+21	1,210451E+20	0,000000E+00	0,000000E+00	1,210241E+20	1,299255E+21
53	3,673867E+21	6,608278E+21	8,861629E+21	8,861415E+21	6,607757E+21	3,673484E+21	1,299117E+21	1,209921E+20	0,000000E+00	0,000000E+00	1,210511E+20	1,299335E+21
54	3,673741E+21	6,607784E+21	8,860886E+21	8,861011E+21	6,607957E+21	3,673847E+21	1,299398E+21	1,210724E+20	0,000000E+00	0,000000E+00	1,210248E+20	1,299169E+21
55	3,673416E+21	6,607473E+21	8,860898E+21	8,861041E+21	6,607867E+21	3,673733E+21	1,299328E+21	1,210863E+20	0,000000E+00	0,000000E+00	1,211068E+20	1,299414E+21
56	3,673773E+21	6,607652E+21	8,860607E+21	8,860396E+21	6,607229E+21	3,673472E+21	1,299277E+21	1,210711E+20	0,000000E+00	0,000000E+00	1,211079E+20	1,299395E+21
57	3,673509E+21	6,606977E+21	8,859794E+21	8,859994E+21	6,607317E+21	3,673737E+21	1,299544E+21	1,211661E+20	0,000000E+00	0,000000E+00	1,211136E+20	1,299295E+21
58	3,673406E+21	6,607082E+21	8,860011E+21	8,859947E+21	6,606976E+21	3,673380E+21	1,299336E+21	1,211403E+20	0,000000E+00	0,000000E+00	1,211909E+20	1,299554E+21
59	3,673660E+21	6,607072E+21	8,859578E+21	8,859336E+21	6,606647E+21	3,673394E+21	1,299436E+21	1,211617E+20	0,000000E+00	0,000000E+00	1,211613E+20	1,299396E+21
60	3,673251E+21	6,606474E+21	8,859300E+21	8,859484E+21	6,606893E+21	3,673566E+21	1,299564E+21	1,212159E+20	0,000000E+00	0,000000E+00	1,211822E+20	1,299436E+21

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°
61	3,673465E+21	6,606882E+21	8,859592E+21	8,859482E+21	6,606569E+21	3,673199E+21	1,299316E+21	1,211581E+20	0,000000E+00	0,000000E+00	1,212206E+20	1,299597E+21
62	3,673552E+21	6,606704E+21	8,859108E+21	8,859130E+21	6,606738E+21	3,673538E+21	1,299541E+21	1,211904E+20	0,000000E+00	0,000000E+00	1,211567E+20	1,299363E+21
63	3,673236E+21	6,606546E+21	8,859468E+21	8,859643E+21	6,606997E+21	3,673564E+21	1,299496E+21	1,211921E+20	0,000000E+00	0,000000E+00	1,211757E+20	1,299476E+21
64	3,673629E+21	6,607163E+21	8,859854E+21	8,859630E+21	6,606693E+21	3,673298E+21	1,299323E+21	1,211246E+20	0,000000E+00	0,000000E+00	1,211600E+20	1,299451E+21
65	3,673458E+21	6,606821E+21	8,859546E+21	8,859725E+21	6,607148E+21	3,673671E+21	1,299542E+21	1,211664E+20	0,000000E+00	0,000000E+00	1,210967E+20	1,299249E+21
66	3,673311E+21	6,607042E+21	8,860210E+21	8,860288E+21	6,607304E+21	3,673517E+21	1,299330E+21	1,211220E+20	0,000000E+00	0,000000E+00	1,211455E+20	1,299480E+21
67	3,673732E+21	6,607435E+21	8,860281E+21	8,860125E+21	6,607148E+21	3,673491E+21	1,299304E+21	1,210735E+20	0,000000E+00	0,000000E+00	1,210914E+20	1,299342E+21
68	3,673492E+21	6,607145E+21	8,860219E+21	8,860452E+21	6,607571E+21	3,673750E+21	1,299450E+21	1,211190E+20	0,000000E+00	0,000000E+00	1,210681E+20	1,299276E+21
69	3,673642E+21	6,607696E+21	8,860826E+21	8,860721E+21	6,607434E+21	3,673429E+21	1,299183E+21	1,210504E+20	0,000000E+00	0,000000E+00	1,211110E+20	1,299444E+21
70	3,673794E+21	6,607697E+21	8,860589E+21	8,860404E+21	6,607446E+21	3,673650E+21	1,299352E+21	1,210696E+20	0,000000E+00	0,000000E+00	1,210476E+20	1,299226E+21
71	3,673402E+21	6,607261E+21	8,860619E+21	8,860801E+21	6,607725E+21	3,673760E+21	1,299422E+21	1,211198E+20	0,000000E+00	0,000000E+00	1,210885E+20	1,299309E+21
72	3,673651E+21	6,607612E+21	8,860700E+21	8,860575E+21	6,607289E+21	3,673409E+21	1,299228E+21	1,210673E+20	0,000000E+00	0,000000E+00	1,211248E+20	1,299433E+21
73	3,673569E+21	6,607100E+21	8,859857E+21	8,859970E+21	6,607299E+21	3,673693E+21	1,299500E+21	1,211490E+20	0,000000E+00	0,000000E+00	1,211026E+20	1,299283E+21
74	3,673296E+21	6,606840E+21	8,859875E+21	8,860000E+21	6,607190E+21	3,673559E+21	1,299419E+21	1,211591E+20	0,000000E+00	0,000000E+00	1,211846E+20	1,299519E+21
75	3,673652E+21	6,607072E+21	8,859623E+21	8,859348E+21	6,606549E+21	3,673295E+21	1,299365E+21	1,211456E+20	0,000000E+00	0,000000E+00	1,211871E+20	1,299496E+21
76	3,673383E+21	6,606479E+21	8,858983E+21	8,859055E+21	6,606621E+21	3,673512E+21	1,299612E+21	1,212364E+20	0,000000E+00	0,000000E+00	1,211876E+20	1,299391E+21
77	3,673272E+21	6,606539E+21	8,859199E+21	8,859119E+21	6,606390E+21	3,673184E+21	1,299397E+21	1,212083E+20	0,000000E+00	0,000000E+00	1,212601E+20	1,299630E+21
78	3,673478E+21	6,606463E+21	8,858716E+21	8,858506E+21	6,606129E+21	3,673269E+21	1,299524E+21	1,212319E+20	0,000000E+00	0,000000E+00	1,212336E+20	1,299499E+21
79	3,673120E+21	6,605872E+21	8,858417E+21	8,858706E+21	6,606443E+21	3,673475E+21	1,299661E+21	1,212855E+20	0,000000E+00	0,000000E+00	1,212439E+20	1,299504E+21
80	3,673328E+21	6,606352E+21	8,858750E+21	8,858652E+21	6,606095E+21	3,673125E+21	1,299420E+21	1,212247E+20	0,000000E+00	0,000000E+00	1,212795E+20	1,299663E+21
81	3,673406E+21	6,606184E+21	8,858313E+21	8,858267E+21	6,606155E+21	3,673393E+21	1,299629E+21	1,212553E+20	0,000000E+00	0,000000E+00	1,212128E+20	1,299418E+21
82	3,673082E+21	6,606018E+21	8,858714E+21	8,858884E+21	6,606464E+21	3,673419E+21	1,299574E+21	1,212545E+20	0,000000E+00	0,000000E+00	1,212346E+20	1,299528E+21
83	3,673447E+21	6,606598E+21	8,859060E+21	8,858886E+21	6,606220E+21	3,673170E+21	1,299393E+21	1,211848E+20	0,000000E+00	0,000000E+00	1,212250E+20	1,299531E+21
84	3,673323E+21	6,606341E+21	8,858818E+21	8,858973E+21	6,606633E+21	3,673512E+21	1,299587E+21	1,212186E+20	0,000000E+00	0,000000E+00	1,211591E+20	1,299350E+21
85	3,673241E+21	6,606603E+21	8,859480E+21	8,859547E+21	6,606811E+21	3,673369E+21	1,299372E+21	1,211702E+20	0,000000E+00	0,000000E+00	1,212014E+20	1,299555E+21
86	3,673641E+21	6,607006E+21	8,859569E+21	8,859376E+21	6,606666E+21	3,673370E+21	1,299371E+21	1,211280E+20	0,000000E+00	0,000000E+00	1,211482E+20	1,299422E+21
87	3,673406E+21	6,606702E+21	8,859528E+21	8,859784E+21	6,607143E+21	3,673649E+21	1,299533E+21	1,211810E+20	0,000000E+00	0,000000E+00	1,211202E+20	1,299316E+21
88	3,673484E+21	6,607219E+21	8,860136E+21	8,860027E+21	6,606990E+21	3,673342E+21	1,299284E+21	1,211181E+20	0,000000E+00	0,000000E+00	1,211712E+20	1,299503E+21
89	3,673600E+21	6,607092E+21	8,859759E+21	8,859587E+21	6,606886E+21	3,673499E+21	1,299443E+21	1,211431E+20	0,000000E+00	0,000000E+00	1,211188E+20	1,299317E+21
90	3,673236E+21	6,606597E+21	8,859651E+21	8,859897E+21	6,607164E+21	3,673631E+21	1,299514E+21	1,211917E+20	0,000000E+00	0,000000E+00	1,211680E+20	1,299416E+21
91	3,673504E+21	6,606962E+21	8,859668E+21	8,859556E+21	6,606665E+21	3,673269E+21	1,299321E+21	1,211403E+20	0,000000E+00	0,000000E+00	1,212070E+20	1,299553E+21
92	3,673473E+21	6,606580E+21	8,858929E+21	8,858929E+21	6,606572E+21	3,673481E+21	1,299571E+21	1,212180E+20	0,000000E+00	0,000000E+00	1,211783E+20	1,299390E+21
93	3,673204E+21	6,606344E+21	8,859015E+21	8,859045E+21	6,606513E+21	3,673351E+21	1,299485E+21	1,212270E+20	0,000000E+00	0,000000E+00	1,212516E+20	1,299583E+21
94	3,673475E+21	6,606502E+21	8,858783E+21	8,858468E+21	6,605932E+21	3,673119E+21	1,299456E+21	1,212218E+20	0,000000E+00	0,000000E+00	1,212590E+20	1,299576E+21
95	3,673196E+21	6,605822E+21	8,858094E+21	8,858292E+21	6,606138E+21	3,673386E+21	1,299709E+21	1,213136E+20	0,000000E+00	0,000000E+00	1,212556E+20	1,299457E+21
96	3,673075E+21	6,605898E+21	8,858296E+21	8,858294E+21	6,605916E+21	3,673106E+21	1,299506E+21	1,212833E+20	0,000000E+00	0,000000E+00	1,213316E+20	1,299722E+21

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°
97	3,673309E+21	6,605816E+21	8,857766E+21	8,857572E+21	6,605525E+21	3,673131E+21	1,299623E+21	1,213043E+20	0,000000E+00	0,000000E+00	1,213037E+20	1,299592E+21
98	3,672998E+21	6,605299E+21	8,857503E+21	8,857803E+21	6,605875E+21	3,673351E+21	1,299753E+21	1,213517E+20	0,000000E+00	0,000000E+00	1,213097E+20	1,299575E+21
99	3,673180E+21	6,605824E+21	8,857904E+21	8,857772E+21	6,605535E+21	3,672997E+21	1,299508E+21	1,212902E+20	0,000000E+00	0,000000E+00	1,213442E+20	1,299730E+21
100	3,673265E+21	6,605725E+21	8,857599E+21	8,857479E+21	6,605560E+21	3,673202E+21	1,299685E+21	1,213135E+20	0,000000E+00	0,000000E+00	1,212742E+20	1,299497E+21
101	3,672958E+21	6,605527E+21	8,857971E+21	8,858171E+21	6,605969E+21	3,673249E+21	1,299616E+21	1,213081E+20	0,000000E+00	0,000000E+00	1,212933E+20	1,299600E+21
102	3,673303E+21	6,606071E+21	8,858276E+21	8,858149E+21	6,605763E+21	3,673053E+21	1,299457E+21	1,212397E+20	0,000000E+00	0,000000E+00	1,212881E+20	1,299637E+21
103	3,673250E+21	6,605862E+21	8,858067E+21	8,858295E+21	6,606210E+21	3,673408E+21	1,299655E+21	1,212739E+20	0,000000E+00	0,000000E+00	1,212130E+20	1,299421E+21
104	3,673161E+21	6,606213E+21	8,858798E+21	8,858828E+21	6,606359E+21	3,673281E+21	1,299457E+21	1,212281E+20	0,000000E+00	0,000000E+00	1,212555E+20	1,299616E+21
105	3,673513E+21	6,606560E+21	8,858884E+21	8,858618E+21	6,606114E+21	3,673223E+21	1,299453E+21	1,211912E+20	0,000000E+00	0,000000E+00	1,212039E+20	1,299476E+21
106	3,673255E+21	6,606196E+21	8,858795E+21	8,859056E+21	6,606644E+21	3,673523E+21	1,299618E+21	1,212467E+20	0,000000E+00	0,000000E+00	1,211840E+20	1,299370E+21
107	3,673279E+21	6,606606E+21	8,859273E+21	8,859235E+21	6,606507E+21	3,673237E+21	1,299375E+21	1,211870E+20	0,000000E+00	0,000000E+00	1,212430E+20	1,299588E+21
108	3,673443E+21	6,606528E+21	8,858883E+21	8,858713E+21	6,606295E+21	3,673336E+21	1,299512E+21	1,212076E+20	0,000000E+00	0,000000E+00	1,211937E+20	1,299434E+21
109	3,673142E+21	6,606047E+21	8,858717E+21	8,858966E+21	6,606553E+21	3,673459E+21	1,299581E+21	1,212544E+20	0,000000E+00	0,000000E+00	1,212369E+20	1,299505E+21
110	3,673369E+21	6,606398E+21	8,858748E+21	8,858611E+21	6,606051E+21	3,673117E+21	1,299412E+21	1,212104E+20	0,000000E+00	0,000000E+00	1,212781E+20	1,299650E+21
111	3,673349E+21	6,606029E+21	8,858080E+21	8,858081E+21	6,605985E+21	3,673322E+21	1,299664E+21	1,212928E+20	0,000000E+00	0,000000E+00	1,212436E+20	1,299448E+21
112	3,673021E+21	6,605777E+21	8,858179E+21	8,858196E+21	6,605938E+21	3,673212E+21	1,299594E+21	1,213064E+20	0,000000E+00	0,000000E+00	1,213224E+20	1,299655E+21
113	3,673257E+21	6,605817E+21	8,857835E+21	8,857565E+21	6,605326E+21	3,672954E+21	1,299554E+21	1,213036E+20	0,000000E+00	0,000000E+00	1,213369E+20	1,299677E+21
114	3,673032E+21	6,605149E+21	8,857079E+21	8,857345E+21	6,605568E+21	3,673263E+21	1,299806E+21	1,213891E+20	0,000000E+00	0,000000E+00	1,213363E+20	1,299563E+21
115	3,672923E+21	6,605259E+21	8,857281E+21	8,857308E+21	6,605322E+21	3,672989E+21	1,299610E+21	1,213572E+20	0,000000E+00	0,000000E+00	1,214086E+20	1,299826E+21
116	3,673205E+21	6,605322E+21	8,856901E+21	8,856633E+21	6,604866E+21	3,672942E+21	1,299692E+21	1,213680E+20	0,000000E+00	0,000000E+00	1,213729E+20	1,299684E+21
117	3,672895E+21	6,604829E+21	8,856710E+21	8,856962E+21	6,605280E+21	3,673165E+21	1,299809E+21	1,214099E+20	0,000000E+00	0,000000E+00	1,213679E+20	1,299626E+21
118	3,672994E+21	6,605287E+21	8,857142E+21	8,857025E+21	6,605025E+21	3,672853E+21	1,299581E+21	1,213513E+20	0,000000E+00	0,000000E+00	1,214053E+20	1,299803E+21
119	3,673106E+21	6,605163E+21	8,856836E+21	8,856831E+21	6,605145E+21	3,673085E+21	1,299753E+21	1,213720E+20	0,000000E+00	0,000000E+00	1,213295E+20	1,299562E+21
120	3,672823E+21	6,605039E+21	8,857224E+21	8,857458E+21	6,605544E+21	3,673171E+21	1,299699E+21	1,213658E+20	0,000000E+00	0,000000E+00	1,213507E+20	1,299683E+21
121	3,673190E+21	6,605581E+21	8,857500E+21	8,857374E+21	6,605251E+21	3,672924E+21	1,299534E+21	1,212982E+20	0,000000E+00	0,000000E+00	1,213446E+20	1,299721E+21
122	3,673178E+21	6,605446E+21	8,857334E+21	8,857537E+21	6,605729E+21	3,673297E+21	1,299730E+21	1,213307E+20	0,000000E+00	0,000000E+00	1,212699E+20	1,299482E+21
123	3,673036E+21	6,605779E+21	8,858103E+21	8,858088E+21	6,605865E+21	3,673171E+21	1,299545E+21	1,212906E+20	0,000000E+00	0,000000E+00	1,213145E+20	1,299672E+21
124	3,673370E+21	6,606121E+21	8,858219E+21	8,857912E+21	6,605568E+21	3,673045E+21	1,299514E+21	1,212517E+20	0,000000E+00	0,000000E+00	1,212670E+20	1,299552E+21
125	3,673109E+21	6,605671E+21	8,858002E+21	8,858317E+21	6,606154E+21	3,673369E+21	1,299676E+21	1,213068E+20	0,000000E+00	0,000000E+00	1,212495E+20	1,299447E+21
126	3,673099E+21	6,605996E+21	8,858370E+21	8,858393E+21	6,605995E+21	3,673119E+21	1,299460E+21	1,212527E+20	0,000000E+00	0,000000E+00	1,213146E+20	1,299695E+21
127	3,673322E+21	6,605934E+21	8,857961E+21	8,857863E+21	6,605755E+21	3,673204E+21	1,299603E+21	1,212771E+20	0,000000E+00	0,000000E+00	1,212596E+20	1,299516E+21
128	3,673019E+21	6,605537E+21	8,857846E+21	8,858052E+21	6,605962E+21	3,673327E+21	1,299685E+21	1,213272E+20	0,000000E+00	0,000000E+00	1,213046E+20	1,299580E+21
129	3,673192E+21	6,605802E+21	8,857844E+21	8,857656E+21	6,605375E+21	3,672929E+21	1,299512E+21	1,212904E+20	0,000000E+00	0,000000E+00	1,213492E+20	1,299728E+21
130	3,673169E+21	6,605402E+21	8,857151E+21	8,857170E+21	6,605382E+21	3,673162E+21	1,299758E+21	1,213712E+20	0,000000E+00	0,000000E+00	1,213221E+20	1,299530E+21
131	3,672809E+21	6,605093E+21	8,857186E+21	8,857263E+21	6,605358E+21	3,673078E+21	1,299696E+21	1,213858E+20	0,000000E+00	0,000000E+00	1,214040E+20	1,299761E+21
132	3,673105E+21	6,605208E+21	8,856870E+21	8,856607E+21	6,604681E+21	3,672772E+21	1,299630E+21	1,213744E+20	0,000000E+00	0,000000E+00	1,214184E+20	1,299801E+21

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°
133	3,672935E+21	6,604595E+21	8,856132E+21	8,856403E+21	6,604958E+21	3,673090E+21	1,299874E+21	1,214524E+20	0,000000E+00	0,000000E+00	1,214070E+20	1,299653E+21
134	3,672783E+21	6,604709E+21	8,856393E+21	8,856403E+21	6,604745E+21	3,672852E+21	1,299699E+21	1,214235E+20	0,000000E+00	0,000000E+00	1,214751E+20	1,299910E+21
135	3,673070E+21	6,604795E+21	8,856121E+21	8,855874E+21	6,604344E+21	3,672802E+21	1,299779E+21	1,214339E+20	0,000000E+00	0,000000E+00	1,214306E+20	1,299737E+21
136	3,672728E+21	6,604324E+21	8,855964E+21	8,856220E+21	6,604787E+21	3,673041E+21	1,299899E+21	1,214760E+20	0,000000E+00	0,000000E+00	1,214276E+20	1,299691E+21
137	3,672800E+21	6,604676E+21	8,856294E+21	8,856235E+21	6,604513E+21	3,672714E+21	1,299661E+21	1,214178E+20	0,000000E+00	0,000000E+00	1,214686E+20	1,299895E+21
138	3,672991E+21	6,604633E+21	8,855991E+21	8,856014E+21	6,604662E+21	3,672977E+21	1,299826E+21	1,214315E+20	0,000000E+00	0,000000E+00	1,213935E+20	1,299652E+21
139	3,672723E+21	6,604571E+21	8,856432E+21	8,856641E+21	6,605037E+21	3,673060E+21	1,299784E+21	1,214269E+20	0,000000E+00	0,000000E+00	1,214108E+20	1,299764E+21
140	3,673123E+21	6,605227E+21	8,856845E+21	8,856628E+21	6,604703E+21	3,672753E+21	1,299589E+21	1,213528E+20	0,000000E+00	0,000000E+00	1,214008E+20	1,299790E+21
141	3,673086E+21	6,605071E+21	8,856709E+21	8,856863E+21	6,605232E+21	3,673128E+21	1,299780E+21	1,213840E+20	0,000000E+00	0,000000E+00	1,213223E+20	1,299521E+21
142	3,672840E+21	6,605254E+21	8,857402E+21	8,857439E+21	6,605440E+21	3,673057E+21	1,299623E+21	1,213506E+20	0,000000E+00	0,000000E+00	1,213738E+20	1,299736E+21
143	3,673186E+21	6,605535E+21	8,857453E+21	8,857272E+21	6,605169E+21	3,672942E+21	1,299590E+21	1,213126E+20	0,000000E+00	0,000000E+00	1,213268E+20	1,299623E+21
144	3,672955E+21	6,605124E+21	8,857152E+21	8,857499E+21	6,605671E+21	3,673278E+21	1,299771E+21	1,213712E+20	0,000000E+00	0,000000E+00	1,213152E+20	1,299536E+21
145	3,672945E+21	6,605386E+21	8,857422E+21	8,857462E+21	6,605406E+21	3,672976E+21	1,299554E+21	1,213225E+20	0,000000E+00	0,000000E+00	1,213818E+20	1,299790E+21
146	3,673217E+21	6,605406E+21	8,857043E+21	8,856897E+21	6,605150E+21	3,673057E+21	1,299693E+21	1,213486E+20	0,000000E+00	0,000000E+00	1,213310E+20	1,299597E+21
147	3,672863E+21	6,604984E+21	8,856969E+21	8,857106E+21	6,605316E+21	3,673160E+21	1,299787E+21	1,214049E+20	0,000000E+00	0,000000E+00	1,213786E+20	1,299665E+21
148	3,673037E+21	6,605247E+21	8,856986E+21	8,856764E+21	6,604714E+21	3,672706E+21	1,299582E+21	1,213648E+20	0,000000E+00	0,000000E+00	1,214289E+20	1,299837E+21
149	3,673026E+21	6,604800E+21	8,856216E+21	8,856266E+21	6,604784E+21	3,672970E+21	1,299820E+21	1,214400E+20	0,000000E+00	0,000000E+00	1,214021E+20	1,299637E+21
150	3,672647E+21	6,604447E+21	8,856204E+21	8,856322E+21	6,604781E+21	3,672944E+21	1,299789E+21	1,214573E+20	0,000000E+00	0,000000E+00	1,214829E+20	1,299879E+21
151	3,672985E+21	6,604619E+21	8,855954E+21	8,855731E+21	6,604119E+21	3,672635E+21	1,299725E+21	1,214459E+20	0,000000E+00	0,000000E+00	1,214868E+20	1,299881E+21
152	3,672802E+21	6,604095E+21	8,855293E+21	8,855504E+21	6,604386E+21	3,672967E+21	1,299980E+21	1,215238E+20	0,000000E+00	0,000000E+00	1,214711E+20	1,299715E+21
153	3,672578E+21	6,604088E+21	8,855520E+21	8,855524E+21	6,604146E+21	3,672694E+21	1,299801E+21	1,214995E+20	0,000000E+00	0,000000E+00	1,215376E+20	1,299970E+21
154	3,672879E+21	6,604178E+21	8,855228E+21	8,855032E+21	6,603830E+21	3,672675E+21	1,299868E+21	1,215046E+20	0,000000E+00	0,000000E+00	1,214979E+20	1,299807E+21
155	3,672538E+21	6,603710E+21	8,855078E+21	8,855372E+21	6,604270E+21	3,672922E+21	1,299991E+21	1,215444E+20	0,000000E+00	0,000000E+00	1,214946E+20	1,299787E+21
156	3,672697E+21	6,604176E+21	8,855474E+21	8,855392E+21	6,603945E+21	3,672546E+21	1,299722E+21	1,214764E+20	0,000000E+00	0,000000E+00	1,215339E+20	1,300000E+21
157	3,672935E+21	6,604220E+21	8,855258E+21	8,855247E+21	6,604149E+21	3,672813E+21	1,299871E+21	1,214812E+20	0,000000E+00	0,000000E+00	1,214500E+20	1,299725E+21
158	3,672624E+21	6,604169E+21	8,855773E+21	8,855928E+21	6,604566E+21	3,672936E+21	1,299851E+21	1,214811E+20	0,000000E+00	0,000000E+00	1,214649E+20	1,299826E+21
159	3,672994E+21	6,604789E+21	8,856246E+21	8,856042E+21	6,604287E+21	3,672631E+21	1,299660E+21	1,214098E+20	0,000000E+00	0,000000E+00	1,214501E+20	1,299827E+21
160	3,672919E+21	6,604606E+21	8,856061E+21	8,856236E+21	6,604833E+21	3,673029E+21	1,299861E+21	1,214443E+20	0,000000E+00	0,000000E+00	1,213799E+20	1,299583E+21
161	3,672636E+21	6,604613E+21	8,856536E+21	8,856665E+21	6,604975E+21	3,672945E+21	1,299709E+21	1,214165E+20	0,000000E+00	0,000000E+00	1,214377E+20	1,299824E+21
162	3,673052E+21	6,604951E+21	8,856522E+21	8,856371E+21	6,604665E+21	3,672842E+21	1,299677E+21	1,213777E+20	0,000000E+00	0,000000E+00	1,213967E+20	1,299721E+21
163	3,672841E+21	6,604594E+21	8,856255E+21	8,856537E+21	6,605063E+21	3,673138E+21	1,299868E+21	1,214410E+20	0,000000E+00	0,000000E+00	1,213847E+20	1,299633E+21
164	3,672861E+21	6,604925E+21	8,856598E+21	8,856518E+21	6,604726E+21	3,672762E+21	1,299622E+21	1,213893E+20	0,000000E+00	0,000000E+00	1,214515E+20	1,299881E+21
165	3,673103E+21	6,604920E+21	8,856257E+21	8,856040E+21	6,604524E+21	3,672838E+21	1,299749E+21	1,214142E+20	0,000000E+00	0,000000E+00	1,214009E+20	1,299671E+21
166	3,672673E+21	6,604381E+21	8,856118E+21	8,856277E+21	6,604767E+21	3,672997E+21	1,299866E+21	1,214757E+20	0,000000E+00	0,000000E+00	1,214534E+20	1,299760E+21
167	3,672859E+21	6,604603E+21	8,856104E+21	8,855970E+21	6,604215E+21	3,672577E+21	1,299671E+21	1,214375E+20	0,000000E+00	0,000000E+00	1,215013E+20	1,299928E+21
168	3,672874E+21	6,604213E+21	8,855311E+21	8,855370E+21	6,604243E+21	3,672862E+21	1,299927E+21	1,215133E+20	0,000000E+00	0,000000E+00	1,214763E+20	1,299733E+21

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°
169	3,672473E+21	6,603777E+21	8,855201E+21	8,855353E+21	6,604182E+21	3,672812E+21	1,299903E+21	1,215357E+20	0,000000E+00	0,000000E+00	1,215525E+20	1,299963E+21
170	3,672840E+21	6,604036E+21	8,855001E+21	8,854745E+21	6,603533E+21	3,672517E+21	1,299834E+21	1,215234E+20	0,000000E+00	0,000000E+00	1,215581E+20	1,299950E+21
171	3,672611E+21	6,603495E+21	8,854400E+21	8,854555E+21	6,603760E+21	3,672818E+21	1,300091E+21	1,216025E+20	0,000000E+00	0,000000E+00	1,215404E+20	1,299793E+21
172	3,672414E+21	6,603492E+21	8,854637E+21	8,854640E+21	6,603530E+21	3,672492E+21	1,299869E+21	1,215698E+20	0,000000E+00	0,000000E+00	1,216099E+20	1,300071E+21
173	3,672754E+21	6,603611E+21	8,854349E+21	8,854174E+21	6,603268E+21	3,672487E+21	1,299915E+21	1,215639E+20	0,000000E+00	0,000000E+00	1,215679E+20	1,299910E+21
174	3,672425E+21	6,603175E+21	8,854236E+21	8,854535E+21	6,603741E+21	3,672781E+21	1,300056E+21	1,216023E+20	0,000000E+00	0,000000E+00	1,215600E+20	1,299893E+21
175	3,672626E+21	6,603741E+21	8,854787E+21	8,854693E+21	6,603478E+21	3,672416E+21	1,299788E+21	1,215321E+20	0,000000E+00	0,000000E+00	1,215879E+20	1,300062E+21
176	3,672843E+21	6,603864E+21	8,854672E+21	8,854570E+21	6,603692E+21	3,672699E+21	1,299945E+21	1,215365E+20	0,000000E+00	0,000000E+00	1,215010E+20	1,299767E+21
177	3,672442E+21	6,603650E+21	8,855086E+21	8,855259E+21	6,604117E+21	3,672821E+21	1,299935E+21	1,215434E+20	0,000000E+00	0,000000E+00	1,215161E+20	1,299866E+21
178	3,672815E+21	6,604243E+21	8,855476E+21	8,855336E+21	6,603898E+21	3,672551E+21	1,299740E+21	1,214713E+20	0,000000E+00	0,000000E+00	1,215096E+20	1,299883E+21
179	3,672732E+21	6,604023E+21	8,855232E+21	8,855424E+21	6,604358E+21	3,672937E+21	1,299952E+21	1,215085E+20	0,000000E+00	0,000000E+00	1,214440E+20	1,299677E+21
180	3,672538E+21	6,604080E+21	8,855673E+21	8,855789E+21	6,604402E+21	3,672781E+21	1,299773E+21	1,214756E+20	0,000000E+00	0,000000E+00	1,215045E+20	1,299930E+21
181	3,672986E+21	6,604488E+21	8,855703E+21	8,855497E+21	6,604080E+21	3,672656E+21	1,299729E+21	1,214338E+20	0,000000E+00	0,000000E+00	1,214618E+20	1,299810E+21
182	3,672739E+21	6,604132E+21	8,855494E+21	8,855686E+21	6,604474E+21	3,672967E+21	1,299938E+21	1,215041E+20	0,000000E+00	0,000000E+00	1,214510E+20	1,299716E+21
183	3,672727E+21	6,604426E+21	8,855902E+21	8,855784E+21	6,604183E+21	3,672595E+21	1,299701E+21	1,214582E+20	0,000000E+00	0,000000E+00	1,215156E+20	1,299945E+21
184	3,672933E+21	6,604377E+21	8,855490E+21	8,855271E+21	6,604014E+21	3,672698E+21	1,299835E+21	1,214868E+20	0,000000E+00	0,000000E+00	1,214737E+20	1,299754E+21
185	3,672464E+21	6,603669E+21	8,855126E+21	8,855369E+21	6,604224E+21	3,672875E+21	1,299970E+21	1,215543E+20	0,000000E+00	0,000000E+00	1,215287E+20	1,299858E+21
186	3,672708E+21	6,603941E+21	8,855051E+21	8,854959E+21	6,603663E+21	3,672483E+21	1,299785E+21	1,215182E+20	0,000000E+00	0,000000E+00	1,215800E+20	1,300023E+21
187	3,672716E+21	6,603590E+21	8,854325E+21	8,854332E+21	6,603596E+21	3,672731E+21	1,300051E+21	1,215961E+20	0,000000E+00	0,000000E+00	1,215529E+20	1,299831E+21
188	3,672345E+21	6,603185E+21	8,854249E+21	8,854333E+21	6,603474E+21	3,672607E+21	1,299992E+21	1,216129E+20	0,000000E+00	0,000000E+00	1,216265E+20	1,300047E+21
189	3,672674E+21	6,603435E+21	8,854099E+21	8,853819E+21	6,602885E+21	3,672306E+21	1,299902E+21	1,215934E+20	0,000000E+00	0,000000E+00	1,216319E+20	1,300032E+21
190	3,672421E+21	6,602860E+21	8,853497E+21	8,853672E+21	6,603175E+21	3,672642E+21	1,300157E+21	1,216689E+20	0,000000E+00	0,000000E+00	1,216139E+20	1,299896E+21
191	3,672268E+21	6,602901E+21	8,853792E+21	8,853825E+21	6,603003E+21	3,672349E+21	1,299938E+21	1,216325E+20	0,000000E+00	0,000000E+00	1,216752E+20	1,300163E+21
192	3,672658E+21	6,603140E+21	8,853586E+21	8,853390E+21	6,602773E+21	3,672366E+21	1,299986E+21	1,216212E+20	0,000000E+00	0,000000E+00	1,216291E+20	1,299993E+21
193	3,672311E+21	6,602674E+21	8,853453E+21	8,853756E+21	6,603247E+21	3,672661E+21	1,300137E+21	1,216634E+20	0,000000E+00	0,000000E+00	1,216135E+20	1,299954E+21
194	3,672521E+21	6,603312E+21	8,854069E+21	8,853945E+21	6,603044E+21	3,672338E+21	1,299878E+21	1,215950E+20	0,000000E+00	0,000000E+00	1,216422E+20	1,300101E+21
195	3,672667E+21	6,603380E+21	8,854017E+21	8,853881E+21	6,603224E+21	3,672593E+21	1,300039E+21	1,216013E+20	0,000000E+00	0,000000E+00	1,215574E+20	1,299828E+21
196	3,672295E+21	6,603107E+21	8,854318E+21	8,854531E+21	6,603625E+21	3,672668E+21	1,299994E+21	1,216026E+20	0,000000E+00	0,000000E+00	1,215787E+20	1,299947E+21
197	3,672683E+21	6,603705E+21	8,854660E+21	8,854552E+21	6,603400E+21	3,672404E+21	1,299789E+21	1,215237E+20	0,000000E+00	0,000000E+00	1,215748E+20	1,299979E+21
198	3,672628E+21	6,603519E+21	8,854416E+21	8,854579E+21	6,603811E+21	3,672795E+21	1,300014E+21	1,215640E+20	0,000000E+00	0,000000E+00	1,215089E+20	1,299780E+21
199	3,672465E+21	6,603647E+21	8,854961E+21	8,855013E+21	6,603869E+21	3,672634E+21	1,299842E+21	1,215345E+20	0,000000E+00	0,000000E+00	1,215620E+20	1,299996E+21
200	3,672886E+21	6,604085E+21	8,855047E+21	8,854752E+21	6,603551E+21	3,672508E+21	1,299805E+21	1,214973E+20	0,000000E+00	0,000000E+00	1,215215E+20	1,299865E+21
201	3,672546E+21	6,603538E+21	8,854696E+21	8,854924E+21	6,603953E+21	3,672820E+21	1,300027E+21	1,215766E+20	0,000000E+00	0,000000E+00	1,215151E+20	1,299779E+21
202	3,672540E+21	6,603799E+21	8,854993E+21	8,854950E+21	6,603718E+21	3,672505E+21	1,299803E+21	1,215349E+20	0,000000E+00	0,000000E+00	1,215888E+20	1,300022E+21
203	3,672732E+21	6,603707E+21	8,854536E+21	8,854337E+21	6,603448E+21	3,672595E+21	1,299952E+21	1,215668E+20	0,000000E+00	0,000000E+00	1,215523E+20	1,299866E+21
204	3,672343E+21	6,603029E+21	8,854104E+21	8,854355E+21	6,603576E+21	3,672708E+21	1,300060E+21	1,216285E+20	0,000000E+00	0,000000E+00	1,216075E+20	1,299967E+21

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°
205	3,672593E+21	6,603369E+21	8,854085E+21	8,853944E+21	6,602996E+21	3,672296E+21	1,299863E+21	1,215886E+20	0,000000E+00	0,000000E+00	1,216568E+20	1,300118E+21
206	3,672567E+21	6,603006E+21	8,853408E+21	8,853341E+21	6,602915E+21	3,672548E+21	1,300138E+21	1,216690E+20	0,000000E+00	0,000000E+00	1,216285E+20	1,299925E+21
207	3,672182E+21	6,602594E+21	8,853411E+21	8,853485E+21	6,602867E+21	3,672421E+21	1,300071E+21	1,216849E+20	0,000000E+00	0,000000E+00	1,216962E+20	1,300125E+21
208	3,672508E+21	6,602848E+21	8,853243E+21	8,852978E+21	6,602329E+21	3,672145E+21	1,299977E+21	1,216624E+20	0,000000E+00	0,000000E+00	1,217044E+20	1,300125E+21
209	3,672249E+21	6,602198E+21	8,852534E+21	8,852774E+21	6,602619E+21	3,672504E+21	1,300241E+21	1,217376E+20	0,000000E+00	0,000000E+00	1,216820E+20	1,299995E+21
210	3,672172E+21	6,602377E+21	8,852890E+21	8,852927E+21	6,602493E+21	3,672257E+21	1,300034E+21	1,217019E+20	0,000000E+00	0,000000E+00	1,217401E+20	1,300237E+21
211	3,672535E+21	6,602669E+21	8,852836E+21	8,852571E+21	6,602235E+21	3,672254E+21	1,300087E+21	1,216893E+20	0,000000E+00	0,000000E+00	1,216887E+20	1,300061E+21
212	3,672204E+21	6,602216E+21	8,852737E+21	8,852994E+21	6,602701E+21	3,672499E+21	1,300206E+21	1,217252E+20	0,000000E+00	0,000000E+00	1,216706E+20	1,300004E+21
213	3,672361E+21	6,602816E+21	8,853362E+21	8,853256E+21	6,602566E+21	3,672187E+21	1,299935E+21	1,216509E+20	0,000000E+00	0,000000E+00	1,217011E+20	1,300157E+21
214	3,672482E+21	6,602820E+21	8,853254E+21	8,853175E+21	6,602767E+21	3,672472E+21	1,300100E+21	1,216558E+20	0,000000E+00	0,000000E+00	1,216197E+20	1,299916E+21
215	3,672164E+21	6,602580E+21	8,853562E+21	8,853817E+21	6,603167E+21	3,672553E+21	1,300059E+21	1,216565E+20	0,000000E+00	0,000000E+00	1,216369E+20	1,300028E+21
216	3,672588E+21	6,603254E+21	8,853932E+21	8,853812E+21	6,602921E+21	3,672286E+21	1,299857E+21	1,215772E+20	0,000000E+00	0,000000E+00	1,216329E+20	1,300056E+21
217	3,672515E+21	6,603029E+21	8,853630E+21	8,853781E+21	6,603289E+21	3,672661E+21	1,300092E+21	1,216253E+20	0,000000E+00	0,000000E+00	1,215654E+20	1,299848E+21
218	3,672360E+21	6,603201E+21	8,854192E+21	8,854207E+21	6,603372E+21	3,672533E+21	1,299940E+21	1,216044E+20	0,000000E+00	0,000000E+00	1,216230E+20	1,300047E+21
219	3,672704E+21	6,603550E+21	8,854304E+21	8,853996E+21	6,603026E+21	3,672378E+21	1,299906E+21	1,215728E+20	0,000000E+00	0,000000E+00	1,215902E+20	1,299951E+21
220	3,672401E+21	6,602926E+21	8,853786E+21	8,854063E+21	6,603378E+21	3,672647E+21	1,300100E+21	1,216478E+20	0,000000E+00	0,000000E+00	1,215921E+20	1,299882E+21
221	3,672394E+21	6,603173E+21	8,854018E+21	8,854005E+21	6,603121E+21	3,672349E+21	1,299879E+21	1,216026E+20	0,000000E+00	0,000000E+00	1,216687E+20	1,300136E+21
222	3,672604E+21	6,603108E+21	8,853573E+21	8,853354E+21	6,602796E+21	3,672431E+21	1,300036E+21	1,216369E+20	0,000000E+00	0,000000E+00	1,216330E+20	1,299983E+21
223	3,672233E+21	6,602490E+21	8,853220E+21	8,853409E+21	6,602927E+21	3,672536E+21	1,300148E+21	1,216998E+20	0,000000E+00	0,000000E+00	1,216783E+20	1,300044E+21
224	3,672438E+21	6,602829E+21	8,853258E+21	8,853058E+21	6,602375E+21	3,672127E+21	1,299952E+21	1,216618E+20	0,000000E+00	0,000000E+00	1,217264E+20	1,300182E+21
225	3,672346E+21	6,602322E+21	8,852459E+21	8,852447E+21	6,602316E+21	3,672380E+21	1,300230E+21	1,217460E+20	0,000000E+00	0,000000E+00	1,216985E+20	1,300000E+21
226	3,671998E+21	6,601938E+21	8,852403E+21	8,852554E+21	6,602336E+21	3,672315E+21	1,300175E+21	1,217631E+20	0,000000E+00	0,000000E+00	1,217682E+20	1,300206E+21
227	3,672325E+21	6,602213E+21	8,852309E+21	8,852070E+21	6,601761E+21	3,672028E+21	1,300085E+21	1,217384E+20	0,000000E+00	0,000000E+00	1,217768E+20	1,300234E+21
228	3,672159E+21	6,601644E+21	8,851616E+21	8,851860E+21	6,602016E+21	3,672333E+21	1,300313E+21	1,218029E+20	0,000000E+00	0,000000E+00	1,217502E+20	1,300088E+21
229	3,672078E+21	6,601918E+21	8,852104E+21	8,852086E+21	6,601925E+21	3,672103E+21	1,300105E+21	1,217622E+20	0,000000E+00	0,000000E+00	1,218040E+20	1,300309E+21
230	3,672398E+21	6,602202E+21	8,852136E+21	8,851829E+21	6,601696E+21	3,672107E+21	1,300158E+21	1,217485E+20	0,000000E+00	0,000000E+00	1,217506E+20	1,300131E+21
231	3,672051E+21	6,601736E+21	8,852080E+21	8,852355E+21	6,602242E+21	3,672359E+21	1,300269E+21	1,217827E+20	0,000000E+00	0,000000E+00	1,217273E+20	1,300063E+21
232	3,672198E+21	6,602301E+21	8,852638E+21	8,852592E+21	6,602148E+21	3,672074E+21	1,299995E+21	1,217053E+20	0,000000E+00	0,000000E+00	1,217600E+20	1,300228E+21
233	3,672322E+21	6,602230E+21	8,852387E+21	8,852396E+21	6,602295E+21	3,672363E+21	1,300174E+21	1,217130E+20	0,000000E+00	0,000000E+00	1,216778E+20	1,300005E+21
234	3,672089E+21	6,602125E+21	8,852718E+21	8,852985E+21	6,602693E+21	3,672468E+21	1,300151E+21	1,217192E+20	0,000000E+00	0,000000E+00	1,216953E+20	1,300096E+21
235	3,672474E+21	6,602819E+21	8,853213E+21	8,853022E+21	6,602385E+21	3,672166E+21	1,299955E+21	1,216440E+20	0,000000E+00	0,000000E+00	1,216917E+20	1,300131E+21
236	3,672414E+21	6,602569E+21	8,852890E+21	8,853002E+21	6,602716E+21	3,672477E+21	1,300155E+21	1,216887E+20	0,000000E+00	0,000000E+00	1,216283E+20	1,299914E+21
237	3,672209E+21	6,602695E+21	8,853435E+21	8,853449E+21	6,602830E+21	3,672360E+21	1,300002E+21	1,216665E+20	0,000000E+00	0,000000E+00	1,216920E+20	1,300125E+21
238	3,672526E+21	6,602954E+21	8,853446E+21	8,853183E+21	6,602485E+21	3,672232E+21	1,299975E+21	1,216369E+20	0,000000E+00	0,000000E+00	1,216650E+20	1,300057E+21
239	3,672264E+21	6,602362E+21	8,852927E+21	8,853221E+21	6,602829E+21	3,672510E+21	1,300178E+21	1,217122E+20	0,000000E+00	0,000000E+00	1,216634E+20	1,299978E+21
240	3,672271E+21	6,602636E+21	8,853149E+21	8,853131E+21	6,602554E+21	3,672212E+21	1,299966E+21	1,216698E+20	0,000000E+00	0,000000E+00	1,217372E+20	1,300214E+21

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°
241	3,672438E+21	6,602498E+21	8,852621E+21	8,852413E+21	6,602185E+21	3,672287E+21	1,300141E+21	1,217129E+20	0,000000E+00	0,000000E+00	1,217018E+20	1,300059E+21
242	3,672077E+21	6,601915E+21	8,852270E+21	8,852458E+21	6,602335E+21	3,672412E+21	1,300269E+21	1,217831E+20	0,000000E+00	0,000000E+00	1,217491E+20	1,300104E+21
243	3,672205E+21	6,602159E+21	8,852329E+21	8,852157E+21	6,601768E+21	3,671976E+21	1,300068E+21	1,217475E+20	0,000000E+00	0,000000E+00	1,218035E+20	1,300283E+21
244	3,672180E+21	6,601631E+21	8,851414E+21	8,851459E+21	6,601671E+21	3,672186E+21	1,300304E+21	1,218212E+20	0,000000E+00	0,000000E+00	1,217796E+20	1,300115E+21
245	3,671869E+21	6,601327E+21	8,851408E+21	8,851555E+21	6,601683E+21	3,672137E+21	1,300252E+21	1,218322E+20	0,000000E+00	0,000000E+00	1,218472E+20	1,300321E+21
246	3,672217E+21	6,601671E+21	8,851410E+21	8,851144E+21	6,601137E+21	3,671862E+21	1,300162E+21	1,218054E+20	0,000000E+00	0,000000E+00	1,218510E+20	1,300338E+21
247	3,672061E+21	6,601204E+21	8,850891E+21	8,851062E+21	6,601451E+21	3,672172E+21	1,300386E+21	1,218654E+20	0,000000E+00	0,000000E+00	1,218121E+20	1,300152E+21
248	3,671930E+21	6,601454E+21	8,851435E+21	8,851398E+21	6,601437E+21	3,671968E+21	1,300180E+21	1,218236E+20	0,000000E+00	0,000000E+00	1,218609E+20	1,300353E+21
249	3,672185E+21	6,601597E+21	8,851336E+21	8,851135E+21	6,601255E+21	3,671992E+21	1,300237E+21	1,218099E+20	0,000000E+00	0,000000E+00	1,218081E+20	1,300194E+21
250	3,671893E+21	6,601177E+21	8,851196E+21	8,851573E+21	6,601835E+21	3,672295E+21	1,300363E+21	1,218461E+20	0,000000E+00	0,000000E+00	1,217856E+20	1,300129E+21
251	3,672034E+21	6,601750E+21	8,851823E+21	8,851820E+21	6,601680E+21	3,671986E+21	1,300091E+21	1,217676E+20	0,000000E+00	0,000000E+00	1,218195E+20	1,300324E+21
252	3,672256E+21	6,601762E+21	8,851565E+21	8,851559E+21	6,601738E+21	3,672194E+21	1,300230E+21	1,217687E+20	0,000000E+00	0,000000E+00	1,217368E+20	1,300090E+21
253	3,672016E+21	6,601737E+21	8,852007E+21	8,852176E+21	6,602121E+21	3,672302E+21	1,300215E+21	1,217753E+20	0,000000E+00	0,000000E+00	1,217555E+20	1,300168E+21
254	3,672351E+21	6,602390E+21	8,852557E+21	8,852311E+21	6,601849E+21	3,671999E+21	1,300018E+21	1,217033E+20	0,000000E+00	0,000000E+00	1,217549E+20	1,300209E+21
255	3,672274E+21	6,602112E+21	8,852233E+21	8,852333E+21	6,602227E+21	3,672312E+21	1,300211E+21	1,217482E+20	0,000000E+00	0,000000E+00	1,216925E+20	1,299992E+21
256	3,672055E+21	6,602161E+21	8,852659E+21	8,852721E+21	6,602368E+21	3,672239E+21	1,300071E+21	1,217272E+20	0,000000E+00	0,000000E+00	1,217577E+20	1,300203E+21
257	3,672356E+21	6,602329E+21	8,852509E+21	8,852323E+21	6,601964E+21	3,672116E+21	1,300067E+21	1,217051E+20	0,000000E+00	0,000000E+00	1,217331E+20	1,300149E+21
258	3,672150E+21	6,601821E+21	8,851959E+21	8,852270E+21	6,602286E+21	3,672414E+21	1,300297E+21	1,217896E+20	0,000000E+00	0,000000E+00	1,217319E+20	1,300046E+21
259	3,672083E+21	6,602046E+21	8,852261E+21	8,852220E+21	6,601953E+21	3,672082E+21	1,300091E+21	1,217528E+20	0,000000E+00	0,000000E+00	1,218075E+20	1,300294E+21
260	3,672265E+21	6,601855E+21	8,851651E+21	8,851451E+21	6,601517E+21	3,672080E+21	1,300229E+21	1,217923E+20	0,000000E+00	0,000000E+00	1,217787E+20	1,300145E+21
261	3,671887E+21	6,601262E+21	8,851291E+21	8,851484E+21	6,601674E+21	3,672216E+21	1,300351E+21	1,218582E+20	0,000000E+00	0,000000E+00	1,218310E+20	1,300210E+21
262	3,672023E+21	6,601482E+21	8,851321E+21	8,851175E+21	6,601125E+21	3,671801E+21	1,300147E+21	1,218204E+20	0,000000E+00	0,000000E+00	1,218872E+20	1,300410E+21
263	3,672062E+21	6,601073E+21	8,850514E+21	8,850528E+21	6,601049E+21	3,672008E+21	1,300372E+21	1,218866E+20	0,000000E+00	0,000000E+00	1,218552E+20	1,300227E+21
264	3,671777E+21	6,600839E+21	8,850585E+21	8,850697E+21	6,601115E+21	3,671982E+21	1,300325E+21	1,218961E+20	0,000000E+00	0,000000E+00	1,219127E+20	1,300398E+21
265	3,672073E+21	6,601134E+21	8,850574E+21	8,850318E+21	6,600606E+21	3,671734E+21	1,300256E+21	1,218737E+20	0,000000E+00	0,000000E+00	1,219127E+20	1,300403E+21
266	3,671917E+21	6,600708E+21	8,850099E+21	8,850299E+21	6,600989E+21	3,672076E+21	1,300493E+21	1,219374E+20	0,000000E+00	0,000000E+00	1,218715E+20	1,300199E+21
267	3,671710E+21	6,600853E+21	8,850651E+21	8,850679E+21	6,600981E+21	3,671867E+21	1,300284E+21	1,218954E+20	0,000000E+00	0,000000E+00	1,219229E+20	1,300431E+21
268	3,672027E+21	6,600974E+21	8,850412E+21	8,850287E+21	6,600736E+21	3,671846E+21	1,300303E+21	1,218706E+20	0,000000E+00	0,000000E+00	1,218737E+20	1,300291E+21
269	3,671794E+21	6,600682E+21	8,850348E+21	8,850681E+21	6,601254E+21	3,672140E+21	1,300426E+21	1,219013E+20	0,000000E+00	0,000000E+00	1,218504E+20	1,300228E+21
270	3,671952E+21	6,601306E+21	8,851054E+21	8,850984E+21	6,601113E+21	3,671825E+21	1,300153E+21	1,218231E+20	0,000000E+00	0,000000E+00	1,218808E+20	1,300410E+21
271	3,672177E+21	6,601419E+21	8,850977E+21	8,850852E+21	6,601213E+21	3,672020E+21	1,300279E+21	1,218216E+20	0,000000E+00	0,000000E+00	1,217915E+20	1,300149E+21
272	3,671893E+21	6,601339E+21	8,851430E+21	8,851565E+21	6,601664E+21	3,672147E+21	1,300270E+21	1,218316E+20	0,000000E+00	0,000000E+00	1,218088E+20	1,300209E+21
273	3,672151E+21	6,601816E+21	8,851795E+21	8,851651E+21	6,601440E+21	3,671890E+21	1,300096E+21	1,217656E+20	0,000000E+00	0,000000E+00	1,218133E+20	1,300275E+21
274	3,672116E+21	6,601551E+21	8,851369E+21	8,851563E+21	6,601816E+21	3,672246E+21	1,300315E+21	1,218175E+20	0,000000E+00	0,000000E+00	1,217563E+20	1,300062E+21
275	3,671869E+21	6,601546E+21	8,851780E+21	8,851897E+21	6,601873E+21	3,672152E+21	1,300187E+21	1,218003E+20	0,000000E+00	0,000000E+00	1,218248E+20	1,300296E+21
276	3,672230E+21	6,601736E+21	8,851536E+21	8,851355E+21	6,601356E+21	3,671954E+21	1,300154E+21	1,217764E+20	0,000000E+00	0,000000E+00	1,218056E+20	1,300242E+21

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°
277	3,672022E+21	6,601293E+21	8,851053E+21	8,851257E+21	6,601600E+21	3,672234E+21	1,300389E+21	1,218625E+20	0,000000E+00	0,000000E+00	1,218088E+20	1,300139E+21
278	3,671911E+21	6,601434E+21	8,851352E+21	8,851278E+21	6,601290E+21	3,671883E+21	1,300176E+21	1,218289E+20	0,000000E+00	0,000000E+00	1,218877E+20	1,300397E+21
279	3,672102E+21	6,601260E+21	8,850759E+21	8,850541E+21	6,600886E+21	3,671868E+21	1,300291E+21	1,218641E+20	0,000000E+00	0,000000E+00	1,218599E+20	1,300261E+21
280	3,671745E+21	6,600651E+21	8,850352E+21	8,850557E+21	6,601067E+21	3,672036E+21	1,300419E+21	1,219269E+20	0,000000E+00	0,000000E+00	1,219074E+20	1,300317E+21
281	3,671882E+21	6,600850E+21	8,850329E+21	8,850214E+21	6,600530E+21	3,671657E+21	1,300241E+21	1,218934E+20	0,000000E+00	0,000000E+00	1,219608E+20	1,300515E+21
282	3,671969E+21	6,600566E+21	8,849605E+21	8,849599E+21	6,600497E+21	3,671897E+21	1,300487E+21	1,219636E+20	0,000000E+00	0,000000E+00	1,219223E+20	1,300291E+21
283	3,671598E+21	6,600291E+21	8,849800E+21	8,849893E+21	6,600584E+21	3,671872E+21	1,300447E+21	1,219750E+20	0,000000E+00	0,000000E+00	1,219756E+20	1,300459E+21
284	3,671891E+21	6,600528E+21	8,849704E+21	8,849487E+21	6,600060E+21	3,671572E+21	1,300338E+21	1,219454E+20	0,000000E+00	0,000000E+00	1,219791E+20	1,300466E+21
285	3,671724E+21	6,600105E+21	8,849220E+21	8,849431E+21	6,600438E+21	3,671934E+21	1,300571E+21	1,220015E+20	0,000000E+00	0,000000E+00	1,219399E+20	1,300285E+21
286	3,671536E+21	6,600228E+21	8,849756E+21	8,849830E+21	6,600453E+21	3,671731E+21	1,300353E+21	1,219551E+20	0,000000E+00	0,000000E+00	1,219896E+20	1,300530E+21
287	3,671928E+21	6,600507E+21	8,849648E+21	8,849480E+21	6,600198E+21	3,671681E+21	1,300351E+21	1,219219E+20	0,000000E+00	0,000000E+00	1,219340E+20	1,300384E+21
288	3,671730E+21	6,600299E+21	8,849685E+21	8,849943E+21	6,600748E+21	3,671986E+21	1,300476E+21	1,219520E+20	0,000000E+00	0,000000E+00	1,219018E+20	1,300287E+21
289	3,671838E+21	6,600881E+21	8,850395E+21	8,850289E+21	6,600650E+21	3,671705E+21	1,300230E+21	1,218811E+20	0,000000E+00	0,000000E+00	1,219322E+20	1,300463E+21
290	3,672055E+21	6,600995E+21	8,850332E+21	8,850221E+21	6,600816E+21	3,671922E+21	1,300367E+21	1,218865E+20	0,000000E+00	0,000000E+00	1,218456E+20	1,300192E+21
291	3,671696E+21	6,600786E+21	8,850722E+21	8,850932E+21	6,601277E+21	3,672061E+21	1,300364E+21	1,218993E+20	0,000000E+00	0,000000E+00	1,218696E+20	1,300288E+21
292	3,671999E+21	6,601198E+21	8,850874E+21	8,850812E+21	6,600949E+21	3,671761E+21	1,300169E+21	1,218296E+20	0,000000E+00	0,000000E+00	1,218819E+20	1,300370E+21
293	3,672004E+21	6,601018E+21	8,850474E+21	8,850609E+21	6,601211E+21	3,672104E+21	1,300399E+21	1,218824E+20	0,000000E+00	0,000000E+00	1,218304E+20	1,300169E+21
294	3,671753E+21	6,600993E+21	8,850892E+21	8,850953E+21	6,601248E+21	3,671988E+21	1,300273E+21	1,218690E+20	0,000000E+00	0,000000E+00	1,218975E+20	1,300387E+21
295	3,672101E+21	6,601251E+21	8,850756E+21	8,850463E+21	6,600719E+21	3,671754E+21	1,300223E+21	1,218443E+20	0,000000E+00	0,000000E+00	1,218780E+20	1,300330E+21
296	3,671871E+21	6,600749E+21	8,850248E+21	8,850405E+21	6,600994E+21	3,672035E+21	1,300454E+21	1,219312E+20	0,000000E+00	0,000000E+00	1,218794E+20	1,300215E+21
297	3,671714E+21	6,600755E+21	8,850377E+21	8,850365E+21	6,600729E+21	3,671737E+21	1,300265E+21	1,219030E+20	0,000000E+00	0,000000E+00	1,219614E+20	1,300496E+21
298	3,671959E+21	6,600636E+21	8,849779E+21	8,849616E+21	6,600345E+21	3,671752E+21	1,300397E+21	1,219422E+20	0,000000E+00	0,000000E+00	1,219340E+20	1,300352E+21
299	3,671586E+21	6,600033E+21	8,849429E+21	8,849655E+21	6,600501E+21	3,671912E+21	1,300533E+21	1,220062E+20	0,000000E+00	0,000000E+00	1,219787E+20	1,300413E+21
300	3,671750E+21	6,600244E+21	8,849348E+21	8,849230E+21	6,599919E+21	3,671501E+21	1,300339E+21	1,219710E+20	0,000000E+00	0,000000E+00	1,220332E+20	1,300595E+21
301	3,671819E+21	6,600030E+21	8,848763E+21	8,848653E+21	6,599851E+21	3,671740E+21	1,300587E+21	1,220380E+20	0,000000E+00	0,000000E+00	1,219966E+20	1,300371E+21
302	3,671402E+21	6,599656E+21	8,848931E+21	8,849040E+21	6,599999E+21	3,671707E+21	1,300536E+21	1,220486E+20	0,000000E+00	0,000000E+00	1,220477E+20	1,300537E+21
303	3,671707E+21	6,599939E+21	8,848854E+21	8,848650E+21	6,599518E+21	3,671405E+21	1,300397E+21	1,220081E+20	0,000000E+00	0,000000E+00	1,220505E+20	1,300566E+21
304	3,671595E+21	6,599550E+21	8,848369E+21	8,848576E+21	6,599893E+21	3,671777E+21	1,300622E+21	1,220573E+20	0,000000E+00	0,000000E+00	1,220022E+20	1,300373E+21
305	3,671425E+21	6,599687E+21	8,848884E+21	8,848972E+21	6,599931E+21	3,671606E+21	1,300428E+21	1,220137E+20	0,000000E+00	0,000000E+00	1,220477E+20	1,300613E+21
306	3,671859E+21	6,600096E+21	8,848926E+21	8,848732E+21	6,599731E+21	3,671570E+21	1,300437E+21	1,219842E+20	0,000000E+00	0,000000E+00	1,219866E+20	1,300432E+21
307	3,671589E+21	6,599861E+21	8,849082E+21	8,849314E+21	6,600303E+21	3,671872E+21	1,300565E+21	1,220167E+20	0,000000E+00	0,000000E+00	1,219546E+20	1,300341E+21
308	3,671685E+21	6,600355E+21	8,849654E+21	8,849592E+21	6,600198E+21	3,671571E+21	1,300300E+21	1,219436E+20	0,000000E+00	0,000000E+00	1,219919E+20	1,300525E+21
309	3,671897E+21	6,600476E+21	8,849576E+21	8,849446E+21	6,600324E+21	3,671805E+21	1,300439E+21	1,219453E+20	0,000000E+00	0,000000E+00	1,219131E+20	1,300283E+21
310	3,671551E+21	6,600205E+21	8,849876E+21	8,850118E+21	6,600772E+21	3,671941E+21	1,300437E+21	1,219588E+20	0,000000E+00	0,000000E+00	1,219372E+20	1,300380E+21
311	3,671897E+21	6,600727E+21	8,850085E+21	8,849971E+21	6,600401E+21	3,671604E+21	1,300225E+21	1,218856E+20	0,000000E+00	0,000000E+00	1,219484E+20	1,300467E+21
312	3,671920E+21	6,600569E+21	8,849713E+21	8,849757E+21	6,600631E+21	3,671937E+21	1,300462E+21	1,219421E+20	0,000000E+00	0,000000E+00	1,218924E+20	1,300241E+21

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°
313	3,671612E+21	6,600455E+21	8,850072E+21	8,850103E+21	6,600686E+21	3,671847E+21	1,300367E+21	1,219388E+20	0,000000E+00	0,000000E+00	1,219622E+20	1,300459E+21
314	3,671946E+21	6,600684E+21	8,849920E+21	8,849655E+21	6,600194E+21	3,671617E+21	1,300327E+21	1,219238E+20	0,000000E+00	0,000000E+00	1,219473E+20	1,300400E+21
315	3,671664E+21	6,600085E+21	8,849348E+21	8,849570E+21	6,600463E+21	3,671904E+21	1,300557E+21	1,220110E+20	0,000000E+00	0,000000E+00	1,219544E+20	1,300318E+21
316	3,671559E+21	6,600065E+21	8,849312E+21	8,849338E+21	6,600103E+21	3,671577E+21	1,300357E+21	1,219809E+20	0,000000E+00	0,000000E+00	1,220409E+20	1,300604E+21
317	3,671837E+21	6,600053E+21	8,848802E+21	8,848547E+21	6,599647E+21	3,671587E+21	1,300496E+21	1,220189E+20	0,000000E+00	0,000000E+00	1,220161E+20	1,300458E+21
318	3,671446E+21	6,599437E+21	8,848498E+21	8,848683E+21	6,599856E+21	3,671747E+21	1,300630E+21	1,220831E+20	0,000000E+00	0,000000E+00	1,220542E+20	1,300492E+21
319	3,671588E+21	6,599710E+21	8,848529E+21	8,848345E+21	6,599302E+21	3,671317E+21	1,300417E+21	1,220437E+20	0,000000E+00	0,000000E+00	1,221067E+20	1,300673E+21
320	3,671636E+21	6,599429E+21	8,847930E+21	8,847828E+21	6,599287E+21	3,671570E+21	1,300656E+21	1,221048E+20	0,000000E+00	0,000000E+00	1,220646E+20	1,300444E+21
321	3,671202E+21	6,598969E+21	8,847966E+21	8,848174E+21	6,599487E+21	3,671592E+21	1,300622E+21	1,221152E+20	0,000000E+00	0,000000E+00	1,221143E+20	1,300626E+21
322	3,671569E+21	6,599344E+21	8,847942E+21	8,847809E+21	6,599024E+21	3,671302E+21	1,300490E+21	1,220741E+20	0,000000E+00	0,000000E+00	1,221135E+20	1,300646E+21
323	3,671471E+21	6,599032E+21	8,847574E+21	8,847789E+21	6,599390E+21	3,671659E+21	1,300707E+21	1,221197E+20	0,000000E+00	0,000000E+00	1,220601E+20	1,300458E+21
324	3,671339E+21	6,599220E+21	8,848076E+21	8,848122E+21	6,599388E+21	3,671465E+21	1,300503E+21	1,220755E+20	0,000000E+00	0,000000E+00	1,221057E+20	1,300679E+21
325	3,671757E+21	6,599701E+21	8,848283E+21	8,847975E+21	6,599182E+21	3,671427E+21	1,300513E+21	1,220444E+20	0,000000E+00	0,000000E+00	1,220482E+20	1,300503E+21
326	3,671443E+21	6,599361E+21	8,848398E+21	8,848654E+21	6,599834E+21	3,671728E+21	1,300630E+21	1,220772E+20	0,000000E+00	0,000000E+00	1,220167E+20	1,300411E+21
327	3,671544E+21	6,599873E+21	8,848937E+21	8,848888E+21	6,599745E+21	3,671435E+21	1,300348E+21	1,219975E+20	0,000000E+00	0,000000E+00	1,220567E+20	1,300617E+21
328	3,671792E+21	6,599994E+21	8,848827E+21	8,848682E+21	6,599821E+21	3,671668E+21	1,300488E+21	1,219968E+20	0,000000E+00	0,000000E+00	1,219733E+20	1,300368E+21
329	3,671448E+21	6,599690E+21	8,849029E+21	8,849279E+21	6,600261E+21	3,671833E+21	1,300523E+21	1,220188E+20	0,000000E+00	0,000000E+00	1,219965E+20	1,300451E+21
330	3,671786E+21	6,600255E+21	8,849328E+21	8,849200E+21	6,599904E+21	3,671496E+21	1,300327E+21	1,219553E+20	0,000000E+00	0,000000E+00	1,220067E+20	1,300514E+21
331	3,671741E+21	6,600036E+21	8,848982E+21	8,849018E+21	6,600105E+21	3,671800E+21	1,300562E+21	1,220173E+20	0,000000E+00	0,000000E+00	1,219560E+20	1,300305E+21
332	3,671417E+21	6,599795E+21	8,849112E+21	8,849203E+21	6,600113E+21	3,671692E+21	1,300459E+21	1,220158E+20	0,000000E+00	0,000000E+00	1,220345E+20	1,300538E+21
333	3,671764E+21	6,600042E+21	8,848960E+21	8,848686E+21	6,599570E+21	3,671467E+21	1,300418E+21	1,219991E+20	0,000000E+00	0,000000E+00	1,220298E+20	1,300514E+21
334	3,671508E+21	6,599411E+21	8,848337E+21	8,848587E+21	6,599824E+21	3,671738E+21	1,300643E+21	1,220851E+20	0,000000E+00	0,000000E+00	1,220353E+20	1,300427E+21
335	3,671444E+21	6,599520E+21	8,848381E+21	8,848354E+21	6,599455E+21	3,671398E+21	1,300432E+21	1,220514E+20	0,000000E+00	0,000000E+00	1,221197E+20	1,300711E+21
336	3,671725E+21	6,599535E+21	8,847955E+21	8,847617E+21	6,599001E+21	3,671406E+21	1,300571E+21	1,220887E+20	0,000000E+00	0,000000E+00	1,220887E+20	1,300539E+21
337	3,671279E+21	6,598832E+21	8,847597E+21	8,847790E+21	6,599270E+21	3,671606E+21	1,300731E+21	1,221580E+20	0,000000E+00	0,000000E+00	1,221249E+20	1,300565E+21
338	3,671397E+21	6,599072E+21	8,847640E+21	8,847544E+21	6,598793E+21	3,671193E+21	1,300521E+21	1,221222E+20	0,000000E+00	0,000000E+00	1,221770E+20	1,300746E+21
339	3,671431E+21	6,598754E+21	8,847001E+21	8,846992E+21	6,598766E+21	3,671449E+21	1,300750E+21	1,221772E+20	0,000000E+00	0,000000E+00	1,221355E+20	1,300547E+21
340	3,671067E+21	6,598321E+21	8,846919E+21	8,847170E+21	6,598881E+21	3,671449E+21	1,300707E+21	1,221838E+20	0,000000E+00	0,000000E+00	1,221835E+20	1,300724E+21
341	3,671480E+21	6,598862E+21	8,847084E+21	8,846848E+21	6,598385E+21	3,671150E+21	1,300573E+21	1,221385E+20	0,000000E+00	0,000000E+00	1,221820E+20	1,300739E+21
342	3,671370E+21	6,598576E+21	8,846837E+21	8,846991E+21	6,598821E+21	3,671494E+21	1,300777E+21	1,221816E+20	0,000000E+00	0,000000E+00	1,221207E+20	1,300521E+21
343	3,671227E+21	6,598839E+21	8,847456E+21	8,847432E+21	6,598877E+21	3,671298E+21	1,300556E+21	1,221329E+20	0,000000E+00	0,000000E+00	1,221657E+20	1,300744E+21
344	3,671617E+21	6,599242E+21	8,847645E+21	8,847356E+21	6,598740E+21	3,671283E+21	1,300557E+21	1,220962E+20	0,000000E+00	0,000000E+00	1,221036E+20	1,300563E+21
345	3,671287E+21	6,598820E+21	8,847626E+21	8,847971E+21	6,599435E+21	3,671647E+21	1,300703E+21	1,221316E+20	0,000000E+00	0,000000E+00	1,220728E+20	1,300482E+21
346	3,671416E+21	6,599360E+21	8,848174E+21	8,848205E+21	6,599335E+21	3,671360E+21	1,300439E+21	1,220577E+20	0,000000E+00	0,000000E+00	1,221105E+20	1,300672E+21
347	3,671650E+21	6,599492E+21	8,848078E+21	8,847968E+21	6,599364E+21	3,671574E+21	1,300581E+21	1,220593E+20	0,000000E+00	0,000000E+00	1,220297E+20	1,300439E+21
348	3,671323E+21	6,599172E+21	8,848163E+21	8,848400E+21	6,599700E+21	3,671703E+21	1,300615E+21	1,220870E+20	0,000000E+00	0,000000E+00	1,220586E+20	1,300514E+21

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°
349	3,671631E+21	6,599744E+21	8,848536E+21	8,848327E+21	6,599290E+21	3,671342E+21	1,300422E+21	1,220273E+20	0,000000E+00	0,000000E+00	1,220789E+20	1,300599E+21
350	3,671562E+21	6,599415E+21	8,848099E+21	8,848181E+21	6,599529E+21	3,671623E+21	1,300636E+21	1,220896E+20	0,000000E+00	0,000000E+00	1,220327E+20	1,300402E+21
351	3,671277E+21	6,599226E+21	8,848185E+21	8,848274E+21	6,599500E+21	3,671507E+21	1,300519E+21	1,220832E+20	0,000000E+00	0,000000E+00	1,221154E+20	1,300661E+21
352	3,671660E+21	6,599481E+21	8,848037E+21	8,847737E+21	6,598926E+21	3,671278E+21	1,300478E+21	1,220648E+20	0,000000E+00	0,000000E+00	1,221057E+20	1,300622E+21
353	3,671398E+21	6,598849E+21	8,847394E+21	8,847626E+21	6,599208E+21	3,671591E+21	1,300736E+21	1,221560E+20	0,000000E+00	0,000000E+00	1,221085E+20	1,300516E+21
354	3,671303E+21	6,598968E+21	8,847537E+21	8,847507E+21	6,598886E+21	3,671271E+21	1,300547E+21	1,221314E+20	0,000000E+00	0,000000E+00	1,221882E+20	1,300769E+21
355	3,671515E+21	6,598917E+21	8,847116E+21	8,846825E+21	6,598456E+21	3,671275E+21	1,300682E+21	1,221691E+20	0,000000E+00	0,000000E+00	1,221611E+20	1,300614E+21
356	3,671068E+21	6,598116E+21	8,846534E+21	8,846821E+21	6,598687E+21	3,671468E+21	1,300833E+21	1,222366E+20	0,000000E+00	0,000000E+00	1,221996E+20	1,300651E+21
357	3,671206E+21	6,598406E+21	8,846630E+21	8,846532E+21	6,598162E+21	3,671059E+21	1,300621E+21	1,221965E+20	0,000000E+00	0,000000E+00	1,222556E+20	1,300856E+21
358	3,671286E+21	6,598117E+21	8,846016E+21	8,846037E+21	6,598140E+21	3,671279E+21	1,300829E+21	1,222449E+20	0,000000E+00	0,000000E+00	1,222071E+20	1,300647E+21
359	3,670985E+21	6,597870E+21	8,846078E+21	8,846253E+21	6,598258E+21	3,671264E+21	1,300768E+21	1,222450E+20	0,000000E+00	0,000000E+00	1,222500E+20	1,300818E+21
360	3,671398E+21	6,598465E+21	8,846408E+21	8,846079E+21	6,597820E+21	3,670974E+21	1,300628E+21	1,221956E+20	0,000000E+00	0,000000E+00	1,222400E+20	1,300804E+21
361	3,671240E+21	6,598124E+21	8,846162E+21	8,846317E+21	6,598353E+21	3,671365E+21	1,300852E+21	1,222413E+20	0,000000E+00	0,000000E+00	1,221768E+20	1,300579E+21
362	3,671064E+21	6,598331E+21	8,846787E+21	8,846864E+21	6,598515E+21	3,671214E+21	1,300643E+21	1,221968E+20	0,000000E+00	0,000000E+00	1,222210E+20	1,300797E+21
363	3,671441E+21	6,598693E+21	8,846908E+21	8,846727E+21	6,598357E+21	3,671203E+21	1,300637E+21	1,221554E+20	0,000000E+00	0,000000E+00	1,221618E+20	1,300641E+21
364	3,671156E+21	6,598255E+21	8,846692E+21	8,847097E+21	6,598927E+21	3,671544E+21	1,300789E+21	1,221933E+20	0,000000E+00	0,000000E+00	1,221327E+20	1,300556E+21
365	3,671295E+21	6,598881E+21	8,847365E+21	8,847329E+21	6,598770E+21	3,671239E+21	1,300529E+21	1,221209E+20	0,000000E+00	0,000000E+00	1,221743E+20	1,300746E+21
366	3,671509E+21	6,598984E+21	8,847297E+21	8,847163E+21	6,598792E+21	3,671407E+21	1,300658E+21	1,221251E+20	0,000000E+00	0,000000E+00	1,220936E+20	1,300507E+21
367	3,671189E+21	6,598707E+21	8,847397E+21	8,847586E+21	6,599114E+21	3,671514E+21	1,300677E+21	1,221511E+20	0,000000E+00	0,000000E+00	1,221288E+20	1,300603E+21
368	3,671484E+21	6,599208E+21	8,847730E+21	8,847525E+21	6,598733E+21	3,671160E+21	1,300472E+21	1,220883E+20	0,000000E+00	0,000000E+00	1,221488E+20	1,300695E+21
369	3,671420E+21	6,598827E+21	8,847184E+21	8,847310E+21	6,598984E+21	3,671484E+21	1,300708E+21	1,221525E+20	0,000000E+00	0,000000E+00	1,221049E+20	1,300506E+21
370	3,671159E+21	6,598667E+21	8,847319E+21	8,847452E+21	6,598969E+21	3,671384E+21	1,300615E+21	1,221537E+20	0,000000E+00	0,000000E+00	1,221830E+20	1,300742E+21
371	3,671521E+21	6,598936E+21	8,847188E+21	8,846911E+21	6,598384E+21	3,671152E+21	1,300580E+21	1,221389E+20	0,000000E+00	0,000000E+00	1,221757E+20	1,300705E+21
372	3,671242E+21	6,598258E+21	8,846426E+21	8,846648E+21	6,598586E+21	3,671455E+21	1,300853E+21	1,222369E+20	0,000000E+00	0,000000E+00	1,221813E+20	1,300587E+21
373	3,671100E+21	6,598345E+21	8,846632E+21	8,846565E+21	6,598250E+21	3,671127E+21	1,300666E+21	1,222160E+20	0,000000E+00	0,000000E+00	1,222673E+20	1,300853E+21
374	3,671290E+21	6,598190E+21	8,846100E+21	8,845901E+21	6,597857E+21	3,671111E+21	1,300779E+21	1,222498E+20	0,000000E+00	0,000000E+00	1,222425E+20	1,300719E+21
375	3,670918E+21	6,597497E+21	8,845495E+21	8,845782E+21	6,598027E+21	3,671285E+21	1,300906E+21	1,223070E+20	0,000000E+00	0,000000E+00	1,222805E+20	1,300777E+21
376	3,671103E+21	6,597844E+21	8,845678E+21	8,845539E+21	6,597498E+21	3,670863E+21	1,300682E+21	1,222603E+20	0,000000E+00	0,000000E+00	1,223262E+20	1,300958E+21
377	3,671193E+21	6,597626E+21	8,845167E+21	8,845145E+21	6,597548E+21	3,671118E+21	1,300902E+21	1,223072E+20	0,000000E+00	0,000000E+00	1,222705E+20	1,300726E+21
378	3,670868E+21	6,597423E+21	8,845415E+21	8,845567E+21	6,597755E+21	3,671126E+21	1,300859E+21	1,223138E+20	0,000000E+00	0,000000E+00	1,223054E+20	1,300860E+21
379	3,671215E+21	6,597954E+21	8,845747E+21	8,845492E+21	6,597415E+21	3,670865E+21	1,300714E+21	1,222613E+20	0,000000E+00	0,000000E+00	1,222974E+20	1,300858E+21
380	3,671051E+21	6,597533E+21	8,845313E+21	8,845569E+21	6,597920E+21	3,671271E+21	1,300936E+21	1,223046E+20	0,000000E+00	0,000000E+00	1,222367E+20	1,300646E+21
381	3,670896E+21	6,597773E+21	8,845961E+21	8,846049E+21	6,598030E+21	3,671129E+21	1,300734E+21	1,222584E+20	0,000000E+00	0,000000E+00	1,222841E+20	1,300876E+21
382	3,671298E+21	6,598137E+21	8,846062E+21	8,845931E+21	6,597861E+21	3,671077E+21	1,300711E+21	1,222127E+20	0,000000E+00	0,000000E+00	1,222225E+20	1,300723E+21
383	3,671083E+21	6,597861E+21	8,845908E+21	8,846230E+21	6,598359E+21	3,671380E+21	1,300845E+21	1,222481E+20	0,000000E+00	0,000000E+00	1,221949E+20	1,300643E+21
384	3,671201E+21	6,598470E+21	8,846674E+21	8,846555E+21	6,598204E+21	3,671055E+21	1,300581E+21	1,221758E+20	0,000000E+00	0,000000E+00	1,222332E+20	1,300818E+21

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°
385	3,671377E+21	6,598506E+21	8,846577E+21	8,846441E+21	6,598284E+21	3,671244E+21	1,300721E+21	1,221850E+20	0,000000E+00	0,000000E+00	1,221572E+20	1,300589E+21
386	3,671040E+21	6,598171E+21	8,846659E+21	8,846903E+21	6,598649E+21	3,671379E+21	1,300757E+21	1,222181E+20	0,000000E+00	0,000000E+00	1,221939E+20	1,300683E+21
387	3,671332E+21	6,598641E+21	8,846899E+21	8,846759E+21	6,598253E+21	3,671047E+21	1,300558E+21	1,221556E+20	0,000000E+00	0,000000E+00	1,222178E+20	1,300792E+21
388	3,671295E+21	6,598247E+21	8,846198E+21	8,846328E+21	6,598388E+21	3,671353E+21	1,300808E+21	1,222255E+20	0,000000E+00	0,000000E+00	1,221764E+20	1,300593E+21
389	3,671020E+21	6,598130E+21	8,846430E+21	8,846478E+21	6,598342E+21	3,671254E+21	1,300732E+21	1,222331E+20	0,000000E+00	0,000000E+00	1,222567E+20	1,300815E+21
390	3,671328E+21	6,598313E+21	8,846282E+21	8,846017E+21	6,597778E+21	3,670989E+21	1,300687E+21	1,222217E+20	0,000000E+00	0,000000E+00	1,222518E+20	1,300779E+21
391	3,671056E+21	6,597649E+21	8,845466E+21	8,845683E+21	6,597947E+21	3,671271E+21	1,300942E+21	1,223153E+20	0,000000E+00	0,000000E+00	1,222631E+20	1,300688E+21
392	3,670905E+21	6,597661E+21	8,845639E+21	8,845613E+21	6,597628E+21	3,670941E+21	1,300740E+21	1,222884E+20	0,000000E+00	0,000000E+00	1,223453E+20	1,300959E+21
393	3,671127E+21	6,597517E+21	8,845060E+21	8,844898E+21	6,597231E+21	3,670949E+21	1,300861E+21	1,223195E+20	0,000000E+00	0,000000E+00	1,223194E+20	1,300832E+21
394	3,670795E+21	6,596910E+21	8,844588E+21	8,844885E+21	6,597432E+21	3,671130E+21	1,300998E+21	1,223783E+20	0,000000E+00	0,000000E+00	1,223472E+20	1,300862E+21
395	3,670982E+21	6,597339E+21	8,844871E+21	8,844712E+21	6,596955E+21	3,670725E+21	1,300770E+21	1,223294E+20	0,000000E+00	0,000000E+00	1,223906E+20	1,301033E+21
396	3,671054E+21	6,597105E+21	8,844327E+21	8,844265E+21	6,596978E+21	3,670978E+21	1,300995E+21	1,223778E+20	0,000000E+00	0,000000E+00	1,223337E+20	1,300789E+21
397	3,670698E+21	6,596898E+21	8,844667E+21	8,844802E+21	6,597252E+21	3,671007E+21	1,300955E+21	1,223853E+20	0,000000E+00	0,000000E+00	1,223710E+20	1,300929E+21
398	3,671026E+21	6,597341E+21	8,844909E+21	8,844766E+21	6,596974E+21	3,670744E+21	1,300791E+21	1,223264E+20	0,000000E+00	0,000000E+00	1,223635E+20	1,300943E+21
399	3,670938E+21	6,597032E+21	8,844456E+21	8,844701E+21	6,597389E+21	3,671128E+21	1,300994E+21	1,223600E+20	0,000000E+00	0,000000E+00	1,223032E+20	1,300751E+21
400	3,670810E+21	6,597306E+21	8,845181E+21	8,845223E+21	6,597480E+21	3,670966E+21	1,300784E+21	1,223092E+20	0,000000E+00	0,000000E+00	1,223415E+20	1,300953E+21
401	3,671201E+21	6,597709E+21	8,845339E+21	8,845149E+21	6,597342E+21	3,670932E+21	1,300772E+21	1,222652E+20	0,000000E+00	0,000000E+00	1,222782E+20	1,300790E+21
402	3,670964E+21	6,597443E+21	8,845312E+21	8,845587E+21	6,597883E+21	3,671239E+21	1,300922E+21	1,223094E+20	0,000000E+00	0,000000E+00	1,222480E+20	1,300691E+21
403	3,671039E+21	6,597974E+21	8,846007E+21	8,845934E+21	6,597793E+21	3,670938E+21	1,300657E+21	1,222382E+20	0,000000E+00	0,000000E+00	1,222919E+20	1,300883E+21
404	3,671207E+21	6,597921E+21	8,845706E+21	8,845624E+21	6,597802E+21	3,671131E+21	1,300804E+21	1,222513E+20	0,000000E+00	0,000000E+00	1,222222E+20	1,300672E+21
405	3,670893E+21	6,597609E+21	8,845802E+21	8,846031E+21	6,598115E+21	3,671268E+21	1,300854E+21	1,222885E+20	0,000000E+00	0,000000E+00	1,222633E+20	1,300770E+21
406	3,671184E+21	6,598042E+21	8,845991E+21	8,845892E+21	6,597715E+21	3,670912E+21	1,300653E+21	1,222279E+20	0,000000E+00	0,000000E+00	1,222880E+20	1,300880E+21
407	3,671191E+21	6,597763E+21	8,845318E+21	8,845352E+21	6,597750E+21	3,671183E+21	1,300894E+21	1,222974E+20	0,000000E+00	0,000000E+00	1,222529E+20	1,300691E+21
408	3,670873E+21	6,597573E+21	8,845579E+21	8,845567E+21	6,597703E+21	3,671065E+21	1,300817E+21	1,223063E+20	0,000000E+00	0,000000E+00	1,223296E+20	1,300895E+21
409	3,671134E+21	6,597670E+21	8,845359E+21	8,845127E+21	6,597198E+21	3,670823E+21	1,300775E+21	1,222973E+20	0,000000E+00	0,000000E+00	1,223316E+20	1,300882E+21
410	3,670874E+21	6,596982E+21	8,844528E+21	8,844787E+21	6,597367E+21	3,671113E+21	1,301033E+21	1,223925E+20	0,000000E+00	0,000000E+00	1,223402E+20	1,300792E+21
411	3,670749E+21	6,596993E+21	8,844626E+21	8,844651E+21	6,597039E+21	3,670797E+21	1,300831E+21	1,223621E+20	0,000000E+00	0,000000E+00	1,224205E+20	1,301066E+21
412	3,670999E+21	6,596898E+21	8,844016E+21	8,843829E+21	6,596566E+21	3,670786E+21	1,300956E+21	1,223940E+20	0,000000E+00	0,000000E+00	1,223921E+20	1,300925E+21
413	3,670672E+21	6,596392E+21	8,843733E+21	8,843922E+21	6,596788E+21	3,670972E+21	1,301100E+21	1,224553E+20	0,000000E+00	0,000000E+00	1,224163E+20	1,300932E+21
414	3,670808E+21	6,596768E+21	8,844061E+21	8,843911E+21	6,596414E+21	3,670576E+21	1,300866E+21	1,224052E+20	0,000000E+00	0,000000E+00	1,224583E+20	1,301100E+21
415	3,670902E+21	6,596588E+21	8,843522E+21	8,843443E+21	6,596441E+21	3,670818E+21	1,301064E+21	1,224430E+20	0,000000E+00	0,000000E+00	1,224045E+20	1,300879E+21
416	3,670544E+21	6,596333E+21	8,843856E+21	8,844019E+21	6,596749E+21	3,670859E+21	1,301012E+21	1,224421E+20	0,000000E+00	0,000000E+00	1,224336E+20	1,301010E+21
417	3,670892E+21	6,596796E+21	8,844079E+21	8,843978E+21	6,596499E+21	3,670625E+21	1,300853E+21	1,223789E+20	0,000000E+00	0,000000E+00	1,224243E+20	1,301029E+21
418	3,670832E+21	6,596568E+21	8,843755E+21	8,843978E+21	6,596912E+21	3,671004E+21	1,301065E+21	1,224151E+20	0,000000E+00	0,000000E+00	1,223552E+20	1,300815E+21
419	3,670704E+21	6,596870E+21	8,844510E+21	8,844528E+21	6,597034E+21	3,670858E+21	1,300860E+21	1,223659E+20	0,000000E+00	0,000000E+00	1,223929E+20	1,301004E+21
420	3,671056E+21	6,597227E+21	8,844608E+21	8,844383E+21	6,596836E+21	3,670806E+21	1,300858E+21	1,223293E+20	0,000000E+00	0,000000E+00	1,223344E+20	1,300848E+21

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°
421	3,670805E+21	6,596940E+21	8,844603E+21	8,844861E+21	6,597406E+21	3,671115E+21	1,301009E+21	1,223788E+20	0,000000E+00	0,000000E+00	1,223121E+20	1,300764E+21
422	3,670870E+21	6,597372E+21	8,845164E+21	8,845172E+21	6,597338E+21	3,670822E+21	1,300740E+21	1,223064E+20	0,000000E+00	0,000000E+00	1,223608E+20	1,300980E+21
423	3,671117E+21	6,597412E+21	8,844815E+21	8,844689E+21	6,597216E+21	3,670973E+21	1,300870E+21	1,223144E+20	0,000000E+00	0,000000E+00	1,222967E+20	1,300788E+21
424	3,670809E+21	6,597113E+21	8,844967E+21	8,845133E+21	6,597508E+21	3,671087E+21	1,300919E+21	1,223504E+20	0,000000E+00	0,000000E+00	1,223313E+20	1,300855E+21
425	3,671059E+21	6,597530E+21	8,845166E+21	8,845014E+21	6,597131E+21	3,670751E+21	1,300733E+21	1,222961E+20	0,000000E+00	0,000000E+00	1,223583E+20	1,300956E+21
426	3,671016E+21	6,597196E+21	8,844557E+21	8,844558E+21	6,597184E+21	3,671027E+21	1,300991E+21	1,223739E+20	0,000000E+00	0,000000E+00	1,223236E+20	1,300764E+21
427	3,670673E+21	6,596910E+21	8,844679E+21	8,844743E+21	6,597187E+21	3,670933E+21	1,300911E+21	1,223818E+20	0,000000E+00	0,000000E+00	1,224035E+20	1,300977E+21
428	3,670925E+21	6,596939E+21	8,844268E+21	8,844081E+21	6,596580E+21	3,670688E+21	1,300878E+21	1,223760E+20	0,000000E+00	0,000000E+00	1,224100E+20	1,300988E+21
429	3,670720E+21	6,596328E+21	8,843500E+21	8,843729E+21	6,596713E+21	3,670965E+21	1,301136E+21	1,224711E+20	0,000000E+00	0,000000E+00	1,224174E+20	1,300893E+21
430	3,670610E+21	6,596363E+21	8,843625E+21	8,843655E+21	6,596411E+21	3,670637E+21	1,300929E+21	1,224399E+20	0,000000E+00	0,000000E+00	1,224940E+20	1,301159E+21
431	3,670906E+21	6,596408E+21	8,843129E+21	8,842825E+21	6,595885E+21	3,670591E+21	1,301034E+21	1,224659E+20	0,000000E+00	0,000000E+00	1,224676E+20	1,301021E+21
432	3,670540E+21	6,595879E+21	8,842970E+21	8,843099E+21	6,596179E+21	3,670771E+21	1,301169E+21	1,225231E+20	0,000000E+00	0,000000E+00	1,224842E+20	1,301005E+21
433	3,670633E+21	6,596191E+21	8,843252E+21	8,843153E+21	6,595928E+21	3,670436E+21	1,300939E+21	1,224715E+20	0,000000E+00	0,000000E+00	1,225289E+20	1,301187E+21
434	3,670735E+21	6,596012E+21	8,842757E+21	8,842717E+21	6,595978E+21	3,670705E+21	1,301140E+21	1,225055E+20	0,000000E+00	0,000000E+00	1,224687E+20	1,300967E+21
435	3,670421E+21	6,595782E+21	8,843029E+21	8,843243E+21	6,596291E+21	3,670762E+21	1,301089E+21	1,224999E+20	0,000000E+00	0,000000E+00	1,224914E+20	1,301079E+21
436	3,670764E+21	6,596273E+21	8,843223E+21	8,843102E+21	6,595967E+21	3,670512E+21	1,300939E+21	1,224397E+20	0,000000E+00	0,000000E+00	1,224801E+20	1,301091E+21
437	3,670711E+21	6,596123E+21	8,843049E+21	8,843187E+21	6,596383E+21	3,670879E+21	1,301152E+21	1,224806E+20	0,000000E+00	0,000000E+00	1,224105E+20	1,300864E+21
438	3,670539E+21	6,596343E+21	8,843778E+21	8,843834E+21	6,596575E+21	3,670735E+21	1,300946E+21	1,224329E+20	0,000000E+00	0,000000E+00	1,224517E+20	1,301066E+21
439	3,670930E+21	6,596738E+21	8,843845E+21	8,843609E+21	6,596327E+21	3,670652E+21	1,300916E+21	1,223894E+20	0,000000E+00	0,000000E+00	1,224023E+20	1,300947E+21
440	3,670691E+21	6,596424E+21	8,843827E+21	8,844083E+21	6,596880E+21	3,670952E+21	1,301059E+21	1,224339E+20	0,000000E+00	0,000000E+00	1,223769E+20	1,300857E+21
441	3,670764E+21	6,596860E+21	8,844349E+21	8,844368E+21	6,596836E+21	3,670693E+21	1,300804E+21	1,223629E+20	0,000000E+00	0,000000E+00	1,224271E+20	1,301073E+21
442	3,671018E+21	6,596957E+21	8,844115E+21	8,843922E+21	6,596687E+21	3,670831E+21	1,300942E+21	1,223763E+20	0,000000E+00	0,000000E+00	1,223598E+20	1,300865E+21
443	3,670692E+21	6,596620E+21	8,844200E+21	8,844339E+21	6,596991E+21	3,670965E+21	1,301008E+21	1,224170E+20	0,000000E+00	0,000000E+00	1,223939E+20	1,300908E+21
444	3,670862E+21	6,596922E+21	8,844288E+21	8,844136E+21	6,596562E+21	3,670618E+21	1,300839E+21	1,223734E+20	0,000000E+00	0,000000E+00	1,224282E+20	1,301029E+21
445	3,670816E+21	6,596542E+21	8,843632E+21	8,843652E+21	6,596607E+21	3,670889E+21	1,301098E+21	1,224573E+20	0,000000E+00	0,000000E+00	1,224016E+20	1,300855E+21
446	3,670476E+21	6,596171E+21	8,843600E+21	8,843755E+21	6,596600E+21	3,670802E+21	1,301018E+21	1,224633E+20	0,000000E+00	0,000000E+00	1,224837E+20	1,301089E+21
447	3,670816E+21	6,596326E+21	8,843199E+21	8,842952E+21	6,595853E+21	3,670493E+21	1,300960E+21	1,224515E+20	0,000000E+00	0,000000E+00	1,224943E+20	1,301114E+21
448	3,670625E+21	6,595779E+21	8,842566E+21	8,842702E+21	6,595987E+21	3,670737E+21	1,301204E+21	1,225407E+20	0,000000E+00	0,000000E+00	1,224920E+20	1,300986E+21
449	3,670480E+21	6,595829E+21	8,842774E+21	8,842745E+21	6,595783E+21	3,670458E+21	1,301011E+21	1,225127E+20	0,000000E+00	0,000000E+00	1,225676E+20	1,301239E+21
450	3,670729E+21	6,595856E+21	8,842406E+21	8,842083E+21	6,595339E+21	3,670431E+21	1,301118E+21	1,225392E+20	0,000000E+00	0,000000E+00	1,225376E+20	1,301095E+21
451	3,670357E+21	6,595267E+21	8,842139E+21	8,842364E+21	6,595732E+21	3,670664E+21	1,301253E+21	1,225908E+20	0,000000E+00	0,000000E+00	1,225498E+20	1,301071E+21
452	3,670432E+21	6,595529E+21	8,842298E+21	8,842268E+21	6,595424E+21	3,670350E+21	1,301039E+21	1,225403E+20	0,000000E+00	0,000000E+00	1,225945E+20	1,301269E+21
453	3,670587E+21	6,595430E+21	8,841871E+21	8,841852E+21	6,595456E+21	3,670605E+21	1,301237E+21	1,225725E+20	0,000000E+00	0,000000E+00	1,225309E+20	1,301043E+21
454	3,670292E+21	6,595232E+21	8,842153E+21	8,842405E+21	6,595784E+21	3,670655E+21	1,301181E+21	1,225651E+20	0,000000E+00	0,000000E+00	1,225502E+20	1,301150E+21
455	3,670675E+21	6,595838E+21	8,842444E+21	8,842228E+21	6,595373E+21	3,670348E+21	1,301007E+21	1,224997E+20	0,000000E+00	0,000000E+00	1,225435E+20	1,301174E+21
456	3,670603E+21	6,595686E+21	8,842390E+21	8,842479E+21	6,595831E+21	3,670680E+21	1,301199E+21	1,225360E+20	0,000000E+00	0,000000E+00	1,224709E+20	1,300941E+21

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°
457	3,670415E+21	6,595862E+21	8,843054E+21	8,843141E+21	6,596111E+21	3,670590E+21	1,300999E+21	1,224896E+20	0,000000E+00	0,000000E+00	1,225176E+20	1,301158E+21
458	3,670808E+21	6,596255E+21	8,843159E+21	8,842925E+21	6,595862E+21	3,670522E+21	1,300974E+21	1,224453E+20	0,000000E+00	0,000000E+00	1,224648E+20	1,301042E+21
459	3,670612E+21	6,595964E+21	8,843080E+21	8,843348E+21	6,596414E+21	3,670839E+21	1,301123E+21	1,224885E+20	0,000000E+00	0,000000E+00	1,224348E+20	1,300920E+21
460	3,670633E+21	6,596362E+21	8,843533E+21	8,843512E+21	6,596298E+21	3,670584E+21	1,300899E+21	1,224285E+20	0,000000E+00	0,000000E+00	1,224857E+20	1,301127E+21
461	3,670859E+21	6,596450E+21	8,843351E+21	8,843122E+21	6,596152E+21	3,670715E+21	1,301049E+21	1,224519E+20	0,000000E+00	0,000000E+00	1,224239E+20	1,300916E+21
462	3,670485E+21	6,595979E+21	8,843305E+21	8,843532E+21	6,596485E+21	3,670852E+21	1,301119E+21	1,224966E+20	0,000000E+00	0,000000E+00	1,224646E+20	1,300979E+21
463	3,670678E+21	6,596265E+21	8,843289E+21	8,843163E+21	6,595943E+21	3,670457E+21	1,300926E+21	1,224491E+20	0,000000E+00	0,000000E+00	1,225099E+20	1,301143E+21
464	3,670664E+21	6,595890E+21	8,842638E+21	8,842664E+21	6,595929E+21	3,670685E+21	1,301167E+21	1,225267E+20	0,000000E+00	0,000000E+00	1,224812E+20	1,300970E+21
465	3,670353E+21	6,595560E+21	8,842591E+21	8,842739E+21	6,595937E+21	3,670622E+21	1,301096E+21	1,225336E+20	0,000000E+00	0,000000E+00	1,225628E+20	1,301200E+21
466	3,670696E+21	6,595799E+21	8,842362E+21	8,842036E+21	6,595208E+21	3,670311E+21	1,301041E+21	1,225240E+20	0,000000E+00	0,000000E+00	1,225683E+20	1,301210E+21
467	3,670505E+21	6,595264E+21	8,841752E+21	8,841851E+21	6,595404E+21	3,670581E+21	1,301289E+21	1,226119E+20	0,000000E+00	0,000000E+00	1,225606E+20	1,301048E+21
468	3,670278E+21	6,595209E+21	8,841892E+21	8,841884E+21	6,595224E+21	3,670330E+21	1,301121E+21	1,225927E+20	0,000000E+00	0,000000E+00	1,226393E+20	1,301315E+21
469	3,670533E+21	6,595208E+21	8,841496E+21	8,841259E+21	6,594838E+21	3,670323E+21	1,301224E+21	1,226187E+20	0,000000E+00	0,000000E+00	1,226124E+20	1,301182E+21
470	3,670178E+21	6,594580E+21	8,841117E+21	8,841469E+21	6,595228E+21	3,670574E+21	1,301358E+21	1,226643E+20	0,000000E+00	0,000000E+00	1,226209E+20	1,301169E+21
471	3,670326E+21	6,594972E+21	8,841331E+21	8,841267E+21	6,594788E+21	3,670191E+21	1,301117E+21	1,226049E+20	0,000000E+00	0,000000E+00	1,226652E+20	1,301372E+21
472	3,670498E+21	6,594962E+21	8,841071E+21	8,840967E+21	6,594805E+21	3,670399E+21	1,301293E+21	1,226294E+20	0,000000E+00	0,000000E+00	1,225920E+20	1,301117E+21
473	3,670177E+21	6,594783E+21	8,841420E+21	8,841625E+21	6,595232E+21	3,670492E+21	1,301245E+21	1,226240E+20	0,000000E+00	0,000000E+00	1,226112E+20	1,301217E+21
474	3,670527E+21	6,595397E+21	8,841847E+21	8,841606E+21	6,594902E+21	3,670192E+21	1,301063E+21	1,225570E+20	0,000000E+00	0,000000E+00	1,226025E+20	1,301248E+21
475	3,670477E+21	6,595213E+21	8,841695E+21	8,841840E+21	6,595425E+21	3,670565E+21	1,301250E+21	1,225880E+20	0,000000E+00	0,000000E+00	1,225263E+20	1,301003E+21
476	3,670265E+21	6,595335E+21	8,842258E+21	8,842386E+21	6,595660E+21	3,670505E+21	1,301083E+21	1,225485E+20	0,000000E+00	0,000000E+00	1,225745E+20	1,301230E+21
477	3,670691E+21	6,595772E+21	8,842394E+21	8,842195E+21	6,595406E+21	3,670427E+21	1,301063E+21	1,225090E+20	0,000000E+00	0,000000E+00	1,225218E+20	1,301102E+21
478	3,670476E+21	6,595453E+21	8,842266E+21	8,842569E+21	6,595943E+21	3,670752E+21	1,301227E+21	1,225568E+20	0,000000E+00	0,000000E+00	1,224942E+20	1,300979E+21
479	3,670490E+21	6,595858E+21	8,842721E+21	8,842640E+21	6,595699E+21	3,670432E+21	1,300990E+21	1,224987E+20	0,000000E+00	0,000000E+00	1,225543E+20	1,301202E+21
480	3,670686E+21	6,595878E+21	8,842531E+21	8,842309E+21	6,595543E+21	3,670516E+21	1,301122E+21	1,225213E+20	0,000000E+00	0,000000E+00	1,224981E+20	1,301009E+21
481	3,670314E+21	6,595343E+21	8,842332E+21	8,842623E+21	6,595911E+21	3,670696E+21	1,301198E+21	1,225677E+20	0,000000E+00	0,000000E+00	1,225467E+20	1,301096E+21
482	3,670527E+21	6,595654E+21	8,842358E+21	8,842223E+21	6,595320E+21	3,670286E+21	1,301001E+21	1,225196E+20	0,000000E+00	0,000000E+00	1,225900E+20	1,301269E+21
483	3,670576E+21	6,595341E+21	8,841691E+21	8,841698E+21	6,595292E+21	3,670507E+21	1,301237E+21	1,225939E+20	0,000000E+00	0,000000E+00	1,225540E+20	1,301057E+21
484	3,670212E+21	6,594996E+21	8,841655E+21	8,841743E+21	6,595273E+21	3,670460E+21	1,301200E+21	1,226114E+20	0,000000E+00	0,000000E+00	1,226340E+20	1,301276E+21
485	3,670527E+21	6,595221E+21	8,841501E+21	8,841178E+21	6,594627E+21	3,670166E+21	1,301153E+21	1,226091E+20	0,000000E+00	0,000000E+00	1,226417E+20	1,301275E+21
486	3,670292E+21	6,594597E+21	8,840813E+21	8,841013E+21	6,594891E+21	3,670472E+21	1,301406E+21	1,226949E+20	0,000000E+00	0,000000E+00	1,226365E+20	1,301133E+21
487	3,670093E+21	6,594539E+21	8,840876E+21	8,840902E+21	6,594618E+21	3,670193E+21	1,301220E+21	1,226694E+20	0,000000E+00	0,000000E+00	1,227187E+20	1,301423E+21
488	3,670382E+21	6,594578E+21	8,840533E+21	8,840325E+21	6,594211E+21	3,670149E+21	1,301299E+21	1,226835E+20	0,000000E+00	0,000000E+00	1,226864E+20	1,301288E+21
489	3,670070E+21	6,594031E+21	8,840170E+21	8,840527E+21	6,594631E+21	3,670414E+21	1,301429E+21	1,227259E+20	0,000000E+00	0,000000E+00	1,226895E+20	1,301261E+21
490	3,670203E+21	6,594509E+21	8,840586E+21	8,840440E+21	6,594209E+21	3,670024E+21	1,301182E+21	1,226647E+20	0,000000E+00	0,000000E+00	1,227258E+20	1,301449E+21
491	3,670392E+21	6,594537E+21	8,840403E+21	8,840260E+21	6,594295E+21	3,670238E+21	1,301349E+21	1,226844E+20	0,000000E+00	0,000000E+00	1,226452E+20	1,301164E+21
492	3,670006E+21	6,594283E+21	8,840710E+21	8,840923E+21	6,594755E+21	3,670365E+21	1,301329E+21	1,226884E+20	0,000000E+00	0,000000E+00	1,226680E+20	1,301281E+21

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°
493	3,670370E+21	6,594873E+21	8,841099E+21	8,840952E+21	6,594515E+21	3,670106E+21	1,301149E+21	1,226226E+20	0,000000E+00	0,000000E+00	1,226620E+20	1,301320E+21
494	3,670341E+21	6,594682E+21	8,840874E+21	8,841103E+21	6,595013E+21	3,670494E+21	1,301341E+21	1,226505E+20	0,000000E+00	0,000000E+00	1,225862E+20	1,301086E+21
495	3,670175E+21	6,594866E+21	8,841433E+21	8,841517E+21	6,595104E+21	3,670371E+21	1,301162E+21	1,226093E+20	0,000000E+00	0,000000E+00	1,226368E+20	1,301308E+21
496	3,670581E+21	6,595323E+21	8,841669E+21	8,841417E+21	6,594828E+21	3,670245E+21	1,301127E+21	1,225673E+20	0,000000E+00	0,000000E+00	1,225835E+20	1,301168E+21
497	3,670328E+21	6,594955E+21	8,841484E+21	8,841782E+21	6,595404E+21	3,670597E+21	1,301303E+21	1,226216E+20	0,000000E+00	0,000000E+00	1,225629E+20	1,301052E+21
498	3,670294E+21	6,595297E+21	8,841965E+21	8,841895E+21	6,595181E+21	3,670275E+21	1,301062E+21	1,225650E+20	0,000000E+00	0,000000E+00	1,226252E+20	1,301296E+21
499	3,670534E+21	6,595291E+21	8,841645E+21	8,841476E+21	6,595016E+21	3,670368E+21	1,301187E+21	1,225845E+20	0,000000E+00	0,000000E+00	1,225685E+20	1,301100E+21
500	3,670155E+21	6,594723E+21	8,841352E+21	8,841648E+21	6,595301E+21	3,670558E+21	1,301296E+21	1,226394E+20	0,000000E+00	0,000000E+00	1,226190E+20	1,301199E+21
501	3,670409E+21	6,595086E+21	8,841410E+21	8,841289E+21	6,594738E+21	3,670146E+21	1,301103E+21	1,225974E+20	0,000000E+00	0,000000E+00	1,226619E+20	1,301356E+21
502	3,670440E+21	6,594777E+21	8,840758E+21	8,840757E+21	6,594703E+21	3,670378E+21	1,301348E+21	1,226732E+20	0,000000E+00	0,000000E+00	1,226271E+20	1,301142E+21
503	3,670065E+21	6,594428E+21	8,840751E+21	8,840779E+21	6,594603E+21	3,670279E+21	1,301302E+21	1,226926E+20	0,000000E+00	0,000000E+00	1,227120E+20	1,301367E+21
504	3,670346E+21	6,594596E+21	8,840608E+21	8,840314E+21	6,593996E+21	3,669964E+21	1,301237E+21	1,226867E+20	0,000000E+00	0,000000E+00	1,227235E+20	1,301376E+21
505	3,670109E+21	6,593926E+21	8,839792E+21	8,840062E+21	6,594313E+21	3,670329E+21	1,301495E+21	1,227692E+20	0,000000E+00	0,000000E+00	1,227197E+20	1,301247E+21
506	3,669928E+21	6,593924E+21	8,839954E+21	8,839966E+21	6,594008E+21	3,670035E+21	1,301300E+21	1,227382E+20	0,000000E+00	0,000000E+00	1,227929E+20	1,301531E+21
507	3,670280E+21	6,594050E+21	8,839633E+21	8,839398E+21	6,593608E+21	3,669980E+21	1,301366E+21	1,227445E+20	0,000000E+00	0,000000E+00	1,227489E+20	1,301354E+21
508	3,669920E+21	6,593512E+21	8,839331E+21	8,839622E+21	6,594034E+21	3,670267E+21	1,301523E+21	1,227938E+20	0,000000E+00	0,000000E+00	1,227477E+20	1,301319E+21
509	3,670044E+21	6,593990E+21	8,839831E+21	8,839719E+21	6,593737E+21	3,669897E+21	1,301276E+21	1,227368E+20	0,000000E+00	0,000000E+00	1,227838E+20	1,301497E+21
510	3,670205E+21	6,593973E+21	8,839621E+21	8,839572E+21	6,593886E+21	3,670144E+21	1,301438E+21	1,227513E+20	0,000000E+00	0,000000E+00	1,227058E+20	1,301239E+21
511	3,669863E+21	6,593739E+21	8,839889E+21	8,840116E+21	6,594248E+21	3,670238E+21	1,301405E+21	1,227510E+20	0,000000E+00	0,000000E+00	1,227327E+20	1,301374E+21
512	3,670259E+21	6,594370E+21	8,840326E+21	8,840195E+21	6,593994E+21	3,669952E+21	1,301209E+21	1,226768E+20	0,000000E+00	0,000000E+00	1,227247E+20	1,301408E+21
513	3,670250E+21	6,594232E+21	8,840089E+21	8,840305E+21	6,594513E+21	3,670363E+21	1,301405E+21	1,227052E+20	0,000000E+00	0,000000E+00	1,226491E+20	1,301167E+21
514	3,670055E+21	6,594452E+21	8,840781E+21	8,840771E+21	6,594585E+21	3,670225E+21	1,301227E+21	1,226659E+20	0,000000E+00	0,000000E+00	1,226960E+20	1,301377E+21
515	3,670455E+21	6,594876E+21	8,840990E+21	8,840712E+21	6,594334E+21	3,670090E+21	1,301186E+21	1,226243E+20	0,000000E+00	0,000000E+00	1,226420E+20	1,301224E+21
516	3,670144E+21	6,594393E+21	8,840667E+21	8,840984E+21	6,594896E+21	3,670465E+21	1,301391E+21	1,226906E+20	0,000000E+00	0,000000E+00	1,226301E+20	1,301140E+21
517	3,670134E+21	6,594673E+21	8,841040E+21	8,841075E+21	6,594709E+21	3,670166E+21	1,301159E+21	1,226390E+20	0,000000E+00	0,000000E+00	1,226959E+20	1,301392E+21
518	3,670400E+21	6,594690E+21	8,840681E+21	8,840548E+21	6,594465E+21	3,670250E+21	1,301287E+21	1,226581E+20	0,000000E+00	0,000000E+00	1,226418E+20	1,301209E+21
519	3,670058E+21	6,594183E+21	8,840402E+21	8,840593E+21	6,594591E+21	3,670366E+21	1,301389E+21	1,227149E+20	0,000000E+00	0,000000E+00	1,226935E+20	1,301293E+21
520	3,670278E+21	6,594554E+21	8,840562E+21	8,840364E+21	6,594057E+21	3,669939E+21	1,301189E+21	1,226727E+20	0,000000E+00	0,000000E+00	1,227373E+20	1,301437E+21
521	3,670268E+21	6,594194E+21	8,839874E+21	8,839859E+21	6,594095E+21	3,670203E+21	1,301438E+21	1,227512E+20	0,000000E+00	0,000000E+00	1,227085E+20	1,301229E+21
522	3,669849E+21	6,593786E+21	8,839868E+21	8,839913E+21	6,594031E+21	3,670117E+21	1,301389E+21	1,227690E+20	0,000000E+00	0,000000E+00	1,227906E+20	1,301466E+21
523	3,670171E+21	6,593943E+21	8,839640E+21	8,839411E+21	6,593447E+21	3,669820E+21	1,301315E+21	1,227556E+20	0,000000E+00	0,000000E+00	1,227972E+20	1,301464E+21
524	3,669931E+21	6,593270E+21	8,838782E+21	8,839061E+21	6,593706E+21	3,670198E+21	1,301599E+21	1,228419E+20	0,000000E+00	0,000000E+00	1,227899E+20	1,301341E+21
525	3,669787E+21	6,593315E+21	8,838997E+21	8,839056E+21	6,593465E+21	3,669911E+21	1,301404E+21	1,228137E+20	0,000000E+00	0,000000E+00	1,228566E+20	1,301597E+21
526	3,670126E+21	6,593500E+21	8,838769E+21	8,838520E+21	6,593063E+21	3,669860E+21	1,301468E+21	1,228167E+20	0,000000E+00	0,000000E+00	1,228124E+20	1,301428E+21
527	3,669775E+21	6,592982E+21	8,838521E+21	8,838747E+21	6,593417E+21	3,670085E+21	1,301606E+21	1,228648E+20	0,000000E+00	0,000000E+00	1,228139E+20	1,301401E+21
528	3,669897E+21	6,593451E+21	8,839063E+21	8,838973E+21	6,593209E+21	3,669725E+21	1,301339E+21	1,228003E+20	0,000000E+00	0,000000E+00	1,228535E+20	1,301593E+21

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°
529	3,670085E+21	6,593444E+21	8,838795E+21	8,838779E+21	6,593406E+21	3,670015E+21	1,301497E+21	1,228087E+20	0,000000E+00	0,000000E+00	1,227762E+20	1,301344E+21
530	3,669768E+21	6,593297E+21	8,839177E+21	8,839347E+21	6,593740E+21	3,670095E+21	1,301459E+21	1,228041E+20	0,000000E+00	0,000000E+00	1,227936E+20	1,301465E+21
531	3,670195E+21	6,593979E+21	8,839644E+21	8,839463E+21	6,593511E+21	3,669806E+21	1,301257E+21	1,227256E+20	0,000000E+00	0,000000E+00	1,227759E+20	1,301453E+21
532	3,670108E+21	6,593791E+21	8,839414E+21	8,839555E+21	6,594015E+21	3,670242E+21	1,301490E+21	1,227658E+20	0,000000E+00	0,000000E+00	1,227027E+20	1,301218E+21
533	3,669886E+21	6,593918E+21	8,840055E+21	8,840120E+21	6,594182E+21	3,670124E+21	1,301323E+21	1,227352E+20	0,000000E+00	0,000000E+00	1,227526E+20	1,301422E+21
534	3,670255E+21	6,594276E+21	8,840155E+21	8,839962E+21	6,593915E+21	3,670009E+21	1,301284E+21	1,226937E+20	0,000000E+00	0,000000E+00	1,227072E+20	1,301312E+21
535	3,669997E+21	6,593793E+21	8,839745E+21	8,840046E+21	6,594303E+21	3,670316E+21	1,301479E+21	1,227606E+20	0,000000E+00	0,000000E+00	1,227020E+20	1,301247E+21
536	3,670026E+21	6,594115E+21	8,840143E+21	8,840149E+21	6,594074E+21	3,669982E+21	1,301235E+21	1,227062E+20	0,000000E+00	0,000000E+00	1,227693E+20	1,301494E+21
537	3,670295E+21	6,594156E+21	8,839769E+21	8,839584E+21	6,593840E+21	3,670077E+21	1,301364E+21	1,227281E+20	0,000000E+00	0,000000E+00	1,227180E+20	1,301302E+21
538	3,669918E+21	6,593689E+21	8,839633E+21	8,839708E+21	6,593957E+21	3,670174E+21	1,301465E+21	1,227863E+20	0,000000E+00	0,000000E+00	1,227662E+20	1,301377E+21
539	3,670120E+21	6,593995E+21	8,839746E+21	8,839535E+21	6,593484E+21	3,669757E+21	1,301264E+21	1,227457E+20	0,000000E+00	0,000000E+00	1,228092E+20	1,301504E+21
540	3,670044E+21	6,593514E+21	8,838927E+21	8,838949E+21	6,593539E+21	3,670074E+21	1,301546E+21	1,228322E+20	0,000000E+00	0,000000E+00	1,227881E+20	1,301332E+21
541	3,669664E+21	6,593055E+21	8,838811E+21	8,838993E+21	6,593520E+21	3,670016E+21	1,301506E+21	1,228522E+20	0,000000E+00	0,000000E+00	1,228668E+20	1,301558E+21
542	3,670005E+21	6,593270E+21	8,838584E+21	8,838395E+21	6,592863E+21	3,669711E+21	1,301429E+21	1,228342E+20	0,000000E+00	0,000000E+00	1,228731E+20	1,301569E+21
543	3,669807E+21	6,592677E+21	8,837788E+21	8,837967E+21	6,592978E+21	3,670003E+21	1,301692E+21	1,229175E+20	0,000000E+00	0,000000E+00	1,228622E+20	1,301432E+21
544	3,669653E+21	6,592761E+21	8,838137E+21	8,838124E+21	6,592788E+21	3,669706E+21	1,301483E+21	1,228850E+20	0,000000E+00	0,000000E+00	1,229275E+20	1,301676E+21
545	3,669969E+21	6,592940E+21	8,837935E+21	8,837683E+21	6,592496E+21	3,669688E+21	1,301537E+21	1,228843E+20	0,000000E+00	0,000000E+00	1,228857E+20	1,301515E+21
546	3,669620E+21	6,592468E+21	8,837782E+21	8,837987E+21	6,592898E+21	3,669921E+21	1,301660E+21	1,229250E+20	0,000000E+00	0,000000E+00	1,228810E+20	1,301499E+21
547	3,669795E+21	6,592965E+21	8,838309E+21	8,838236E+21	6,592751E+21	3,669596E+21	1,301390E+21	1,228526E+20	0,000000E+00	0,000000E+00	1,229121E+20	1,301666E+21
548	3,669968E+21	6,592969E+21	8,838052E+21	8,838015E+21	6,592938E+21	3,669911E+21	1,301574E+21	1,228642E+20	0,000000E+00	0,000000E+00	1,228318E+20	1,301419E+21
549	3,669669E+21	6,592830E+21	8,838444E+21	8,838667E+21	6,593346E+21	3,670014E+21	1,301549E+21	1,228654E+20	0,000000E+00	0,000000E+00	1,228422E+20	1,301500E+21
550	3,670043E+21	6,593515E+21	8,838963E+21	8,838776E+21	6,593090E+21	3,669729E+21	1,301353E+21	1,227883E+20	0,000000E+00	0,000000E+00	1,228292E+20	1,301505E+21
551	3,669944E+21	6,593269E+21	8,838673E+21	8,838765E+21	6,593461E+21	3,670087E+21	1,301575E+21	1,228341E+20	0,000000E+00	0,000000E+00	1,227646E+20	1,301289E+21
552	3,669723E+21	6,593329E+21	8,839229E+21	8,839337E+21	6,593664E+21	3,669979E+21	1,301399E+21	1,228010E+20	0,000000E+00	0,000000E+00	1,228232E+20	1,301517E+21
553	3,670121E+21	6,593691E+21	8,839241E+21	8,839067E+21	6,593368E+21	3,669869E+21	1,301355E+21	1,227587E+20	0,000000E+00	0,000000E+00	1,227837E+20	1,301426E+21
554	3,669904E+21	6,593306E+21	8,838918E+21	8,839123E+21	6,593670E+21	3,670123E+21	1,301537E+21	1,228232E+20	0,000000E+00	0,000000E+00	1,227733E+20	1,301352E+21
555	3,669951E+21	6,593657E+21	8,839349E+21	8,839273E+21	6,593475E+21	3,669798E+21	1,301295E+21	1,227685E+20	0,000000E+00	0,000000E+00	1,228333E+20	1,301556E+21
556	3,670132E+21	6,593626E+21	8,838982E+21	8,838729E+21	6,593251E+21	3,669919E+21	1,301457E+21	1,228026E+20	0,000000E+00	0,000000E+00	1,227880E+20	1,301374E+21
557	3,669725E+21	6,593040E+21	8,838752E+21	8,838938E+21	6,593484E+21	3,670059E+21	1,301575E+21	1,228683E+20	0,000000E+00	0,000000E+00	1,228367E+20	1,301437E+21
558	3,669890E+21	6,593289E+21	8,838766E+21	8,838654E+21	6,592994E+21	3,669676E+21	1,301382E+21	1,228276E+20	0,000000E+00	0,000000E+00	1,228875E+20	1,301605E+21
559	3,669860E+21	6,592796E+21	8,837853E+21	8,837872E+21	6,592862E+21	3,669921E+21	1,301655E+21	1,229128E+20	0,000000E+00	0,000000E+00	1,228698E+20	1,301449E+21
560	3,669533E+21	6,592396E+21	8,837761E+21	8,837940E+21	6,592834E+21	3,669841E+21	1,301599E+21	1,229270E+20	0,000000E+00	0,000000E+00	1,229460E+20	1,301663E+21
561	3,669879E+21	6,592680E+21	8,837586E+21	8,837342E+21	6,592187E+21	3,669534E+21	1,301513E+21	1,229073E+20	0,000000E+00	0,000000E+00	1,229519E+20	1,301668E+21
562	3,669679E+21	6,592187E+21	8,836992E+21	8,837041E+21	6,592294E+21	3,669784E+21	1,301756E+21	1,229852E+20	0,000000E+00	0,000000E+00	1,229331E+20	1,301523E+21
563	3,669529E+21	6,592257E+21	8,837377E+21	8,837339E+21	6,592225E+21	3,669514E+21	1,301538E+21	1,229492E+20	0,000000E+00	0,000000E+00	1,229926E+20	1,301745E+21
564	3,669799E+21	6,592371E+21	8,837134E+21	8,836914E+21	6,592010E+21	3,669563E+21	1,301617E+21	1,229502E+20	0,000000E+00	0,000000E+00	1,229534E+20	1,301611E+21

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°
565	3,669498E+21	6,591906E+21	8,836958E+21	8,837275E+21	6,592493E+21	3,669839E+21	1,301751E+21	1,229909E+20	0,000000E+00	0,000000E+00	1,229397E+20	1,301566E+21
566	3,669673E+21	6,592472E+21	8,837517E+21	8,837462E+21	6,592316E+21	3,669533E+21	1,301489E+21	1,229160E+20	0,000000E+00	0,000000E+00	1,229685E+20	1,301731E+21
567	3,669841E+21	6,592490E+21	8,837298E+21	8,837185E+21	6,592375E+21	3,669775E+21	1,301661E+21	1,229279E+20	0,000000E+00	0,000000E+00	1,228874E+20	1,301475E+21
568	3,669527E+21	6,592333E+21	8,837723E+21	8,837927E+21	6,592817E+21	3,669869E+21	1,301628E+21	1,229288E+20	0,000000E+00	0,000000E+00	1,229019E+20	1,301549E+21
569	3,669853E+21	6,592938E+21	8,838157E+21	8,838022E+21	6,592605E+21	3,669598E+21	1,301426E+21	1,228518E+20	0,000000E+00	0,000000E+00	1,228968E+20	1,301581E+21
570	3,669785E+21	6,592742E+21	8,837900E+21	8,837982E+21	6,592928E+21	3,669923E+21	1,301625E+21	1,228918E+20	0,000000E+00	0,000000E+00	1,228325E+20	1,301395E+21
571	3,669632E+21	6,592828E+21	8,838411E+21	8,838513E+21	6,593124E+21	3,669822E+21	1,301448E+21	1,228557E+20	0,000000E+00	0,000000E+00	1,228861E+20	1,301600E+21
572	3,670012E+21	6,593192E+21	8,838421E+21	8,838214E+21	6,592818E+21	3,669730E+21	1,301431E+21	1,228208E+20	0,000000E+00	0,000000E+00	1,228490E+20	1,301519E+21
573	3,669809E+21	6,592809E+21	8,838120E+21	8,838349E+21	6,593177E+21	3,670001E+21	1,301627E+21	1,228928E+20	0,000000E+00	0,000000E+00	1,228344E+20	1,301406E+21
574	3,669789E+21	6,593132E+21	8,838566E+21	8,838475E+21	6,592965E+21	3,669695E+21	1,301403E+21	1,228440E+20	0,000000E+00	0,000000E+00	1,229011E+20	1,301626E+21
575	3,669938E+21	6,592992E+21	8,838093E+21	8,837838E+21	6,592636E+21	3,669754E+21	1,301559E+21	1,228842E+20	0,000000E+00	0,000000E+00	1,228667E+20	1,301471E+21
576	3,669546E+21	6,592343E+21	8,837737E+21	8,837989E+21	6,592886E+21	3,669917E+21	1,301674E+21	1,229471E+20	0,000000E+00	0,000000E+00	1,229217E+20	1,301546E+21
577	3,669721E+21	6,592588E+21	8,837674E+21	8,837594E+21	6,592350E+21	3,669533E+21	1,301480E+21	1,229059E+20	0,000000E+00	0,000000E+00	1,229746E+20	1,301727E+21
578	3,669743E+21	6,592232E+21	8,836884E+21	8,836803E+21	6,592120E+21	3,669708E+21	1,301729E+21	1,229845E+20	0,000000E+00	0,000000E+00	1,229489E+20	1,301562E+21
579	3,669437E+21	6,591878E+21	8,836862E+21	8,836954E+21	6,592146E+21	3,669633E+21	1,301666E+21	1,229953E+20	0,000000E+00	0,000000E+00	1,230135E+20	1,301728E+21
580	3,669706E+21	6,592117E+21	8,836748E+21	8,836460E+21	6,591574E+21	3,669362E+21	1,301602E+21	1,229816E+20	0,000000E+00	0,000000E+00	1,230221E+20	1,301747E+21
581	3,669507E+21	6,591571E+21	8,836142E+21	8,836311E+21	6,591833E+21	3,669658E+21	1,301847E+21	1,230598E+20	0,000000E+00	0,000000E+00	1,229975E+20	1,301585E+21
582	3,669344E+21	6,591661E+21	8,836528E+21	8,836573E+21	6,591791E+21	3,669446E+21	1,301643E+21	1,230208E+20	0,000000E+00	0,000000E+00	1,230593E+20	1,301833E+21
583	3,669649E+21	6,591781E+21	8,836259E+21	8,836050E+21	6,591448E+21	3,669434E+21	1,301709E+21	1,230183E+20	0,000000E+00	0,000000E+00	1,230188E+20	1,301699E+21
584	3,669387E+21	6,591378E+21	8,836117E+21	8,836446E+21	6,591962E+21	3,669719E+21	1,301835E+21	1,230531E+20	0,000000E+00	0,000000E+00	1,230014E+20	1,301632E+21
585	3,669535E+21	6,591978E+21	8,836724E+21	8,836645E+21	6,591797E+21	3,669415E+21	1,301569E+21	1,229771E+20	0,000000E+00	0,000000E+00	1,230303E+20	1,301791E+21
586	3,669699E+21	6,592057E+21	8,836625E+21	8,836430E+21	6,591802E+21	3,669593E+21	1,301715E+21	1,229843E+20	0,000000E+00	0,000000E+00	1,229476E+20	1,301550E+21
587	3,669402E+21	6,591851E+21	8,836991E+21	8,837223E+21	6,592330E+21	3,669707E+21	1,301673E+21	1,229832E+20	0,000000E+00	0,000000E+00	1,229612E+20	1,301617E+21
588	3,669698E+21	6,592393E+21	8,837355E+21	8,837271E+21	6,592138E+21	3,669479E+21	1,301494E+21	1,229102E+20	0,000000E+00	0,000000E+00	1,229630E+20	1,301688E+21
589	3,669696E+21	6,592221E+21	8,837078E+21	8,837244E+21	6,592474E+21	3,669809E+21	1,301699E+21	1,229528E+20	0,000000E+00	0,000000E+00	1,228928E+20	1,301475E+21
590	3,669541E+21	6,592384E+21	8,837640E+21	8,837709E+21	6,592618E+21	3,669719E+21	1,301540E+21	1,229200E+20	0,000000E+00	0,000000E+00	1,229476E+20	1,301675E+21
591	3,669886E+21	6,592705E+21	8,837643E+21	8,837352E+21	6,592197E+21	3,669563E+21	1,301519E+21	1,228918E+20	0,000000E+00	0,000000E+00	1,229135E+20	1,301586E+21
592	3,669654E+21	6,592268E+21	8,837319E+21	8,837537E+21	6,592607E+21	3,669853E+21	1,301720E+21	1,229663E+20	0,000000E+00	0,000000E+00	1,229064E+20	1,301470E+21
593	3,669573E+21	6,592477E+21	8,837636E+21	8,837606E+21	6,592424E+21	3,669571E+21	1,301502E+21	1,229215E+20	0,000000E+00	0,000000E+00	1,229809E+20	1,301715E+21
594	3,669754E+21	6,592365E+21	8,837142E+21	8,836896E+21	6,592005E+21	3,669583E+21	1,301638E+21	1,229570E+20	0,000000E+00	0,000000E+00	1,229495E+20	1,301593E+21
595	3,669429E+21	6,591731E+21	8,836723E+21	8,836996E+21	6,592245E+21	3,669741E+21	1,301748E+21	1,230157E+20	0,000000E+00	0,000000E+00	1,229967E+20	1,301641E+21
596	3,669570E+21	6,591969E+21	8,836681E+21	8,836590E+21	6,591703E+21	3,669373E+21	1,301576E+21	1,229802E+20	0,000000E+00	0,000000E+00	1,230501E+20	1,301829E+21
597	3,669615E+21	6,591648E+21	8,835972E+21	8,835911E+21	6,591523E+21	3,669550E+21	1,301826E+21	1,230619E+20	0,000000E+00	0,000000E+00	1,230165E+20	1,301626E+21
598	3,669263E+21	6,591316E+21	8,836013E+21	8,836082E+21	6,591559E+21	3,669497E+21	1,301778E+21	1,230759E+20	0,000000E+00	0,000000E+00	1,230836E+20	1,301802E+21
599	3,669500E+21	6,591463E+21	8,835830E+21	8,835573E+21	6,590972E+21	3,669197E+21	1,301701E+21	1,230631E+20	0,000000E+00	0,000000E+00	1,230981E+20	1,301844E+21
600	3,669350E+21	6,590937E+21	8,835192E+21	8,835423E+21	6,591287E+21	3,669530E+21	1,301936E+21	1,231325E+20	0,000000E+00	0,000000E+00	1,230750E+20	1,301686E+21

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°
601	3,669199E+21	6,591051E+21	8,835560E+21	8,835636E+21	6,591230E+21	3,669332E+21	1,301736E+21	1,230905E+20	0,000000E+00	0,000000E+00	1,231334E+20	1,301931E+21
602	3,669549E+21	6,591320E+21	8,835451E+21	8,835177E+21	6,590834E+21	3,669254E+21	1,301769E+21	1,230765E+20	0,000000E+00	0,000000E+00	1,230843E+20	1,301787E+21
603	3,669298E+21	6,590954E+21	8,835383E+21	8,835659E+21	6,591404E+21	3,669543E+21	1,301885E+21	1,231071E+20	0,000000E+00	0,000000E+00	1,230559E+20	1,301675E+21
604	3,669354E+21	6,591470E+21	8,836010E+21	8,835942E+21	6,591313E+21	3,669280E+21	1,301640E+21	1,230359E+20	0,000000E+00	0,000000E+00	1,230886E+20	1,301856E+21
605	3,669536E+21	6,591508E+21	8,835882E+21	8,835814E+21	6,591409E+21	3,669482E+21	1,301786E+21	1,230439E+20	0,000000E+00	0,000000E+00	1,230025E+20	1,301611E+21
606	3,669255E+21	6,591346E+21	8,836218E+21	8,836494E+21	6,591905E+21	3,669632E+21	1,301760E+21	1,230433E+20	0,000000E+00	0,000000E+00	1,230210E+20	1,301703E+21
607	3,669577E+21	6,591875E+21	8,836531E+21	8,836444E+21	6,591596E+21	3,669345E+21	1,301576E+21	1,229727E+20	0,000000E+00	0,000000E+00	1,230246E+20	1,301779E+21
608	3,669618E+21	6,591770E+21	8,836286E+21	8,836423E+21	6,591940E+21	3,669676E+21	1,301774E+21	1,230142E+20	0,000000E+00	0,000000E+00	1,229562E+20	1,301546E+21
609	3,669411E+21	6,591909E+21	8,836866E+21	8,836886E+21	6,592071E+21	3,669589E+21	1,301630E+21	1,229878E+20	0,000000E+00	0,000000E+00	1,230138E+20	1,301740E+21
610	3,669735E+21	6,592234E+21	8,836922E+21	8,836577E+21	6,591597E+21	3,669368E+21	1,301587E+21	1,229594E+20	0,000000E+00	0,000000E+00	1,229846E+20	1,301673E+21
611	3,669498E+21	6,591701E+21	8,836467E+21	8,836733E+21	6,592067E+21	3,669687E+21	1,301787E+21	1,230340E+20	0,000000E+00	0,000000E+00	1,229794E+20	1,301553E+21
612	3,669374E+21	6,591809E+21	8,836663E+21	8,836704E+21	6,591878E+21	3,669451E+21	1,301599E+21	1,229949E+20	0,000000E+00	0,000000E+00	1,230600E+20	1,301831E+21
613	3,669619E+21	6,591716E+21	8,836133E+21	8,835974E+21	6,591436E+21	3,669450E+21	1,301740E+21	1,230338E+20	0,000000E+00	0,000000E+00	1,230228E+20	1,301686E+21
614	3,669299E+21	6,591174E+21	8,835766E+21	8,836003E+21	6,591620E+21	3,669610E+21	1,301862E+21	1,230940E+20	0,000000E+00	0,000000E+00	1,230693E+20	1,301727E+21
615	3,669399E+21	6,591356E+21	8,835727E+21	8,835577E+21	6,590991E+21	3,669176E+21	1,301681E+21	1,230643E+20	0,000000E+00	0,000000E+00	1,231245E+20	1,301911E+21
616	3,669435E+21	6,591015E+21	8,835031E+21	8,834974E+21	6,590889E+21	3,669375E+21	1,301920E+21	1,231420E+20	0,000000E+00	0,000000E+00	1,230951E+20	1,301705E+21
617	3,669051E+21	6,590636E+21	8,835037E+21	8,835163E+21	6,590981E+21	3,669354E+21	1,301875E+21	1,231550E+20	0,000000E+00	0,000000E+00	1,231642E+20	1,301902E+21
618	3,669346E+21	6,590875E+21	8,834905E+21	8,834650E+21	6,590349E+21	3,669019E+21	1,301771E+21	1,231315E+20	0,000000E+00	0,000000E+00	1,231768E+20	1,301963E+21
619	3,669256E+21	6,590413E+21	8,834301E+21	8,834537E+21	6,590714E+21	3,669368E+21	1,301997E+21	1,231912E+20	0,000000E+00	0,000000E+00	1,231411E+20	1,301769E+21
620	3,669070E+21	6,590543E+21	8,834739E+21	8,834798E+21	6,590700E+21	3,669207E+21	1,301817E+21	1,231517E+20	0,000000E+00	0,000000E+00	1,231950E+20	1,302007E+21
621	3,669425E+21	6,590831E+21	8,834722E+21	8,834481E+21	6,590365E+21	3,669129E+21	1,301849E+21	1,231376E+20	0,000000E+00	0,000000E+00	1,231371E+20	1,301831E+21
622	3,669140E+21	6,590489E+21	8,834690E+21	8,834967E+21	6,590950E+21	3,669434E+21	1,301973E+21	1,231703E+20	0,000000E+00	0,000000E+00	1,231120E+20	1,301734E+21
623	3,669163E+21	6,590882E+21	8,835199E+21	8,835189E+21	6,590823E+21	3,669144E+21	1,301721E+21	1,231018E+20	0,000000E+00	0,000000E+00	1,231508E+20	1,301941E+21
624	3,669410E+21	6,590969E+21	8,835045E+21	8,835012E+21	6,590927E+21	3,669371E+21	1,301859E+21	1,231048E+20	0,000000E+00	0,000000E+00	1,230684E+20	1,301703E+21
625	3,669148E+21	6,590853E+21	8,835393E+21	8,835640E+21	6,591370E+21	3,669510E+21	1,301845E+21	1,231067E+20	0,000000E+00	0,000000E+00	1,230863E+20	1,301790E+21
626	3,669500E+21	6,591491E+21	8,835819E+21	8,835627E+21	6,591003E+21	3,669159E+21	1,301634E+21	1,230314E+20	0,000000E+00	0,000000E+00	1,230873E+20	1,301861E+21
627	3,669527E+21	6,591368E+21	8,835602E+21	8,835676E+21	6,591398E+21	3,669495E+21	1,301828E+21	1,230726E+20	0,000000E+00	0,000000E+00	1,230160E+20	1,301597E+21
628	3,669218E+21	6,591356E+21	8,836103E+21	8,836166E+21	6,591591E+21	3,669459E+21	1,301716E+21	1,230551E+20	0,000000E+00	0,000000E+00	1,230806E+20	1,301813E+21
629	3,669542E+21	6,591597E+21	8,836075E+21	8,835872E+21	6,591164E+21	3,669258E+21	1,301677E+21	1,230304E+20	0,000000E+00	0,000000E+00	1,230530E+20	1,301752E+21
630	3,669326E+21	6,591094E+21	8,835532E+21	8,835834E+21	6,591539E+21	3,669593E+21	1,301898E+21	1,231084E+20	0,000000E+00	0,000000E+00	1,230534E+20	1,301651E+21
631	3,669199E+21	6,591128E+21	8,835616E+21	8,835682E+21	6,591232E+21	3,669299E+21	1,301708E+21	1,230744E+20	0,000000E+00	0,000000E+00	1,231352E+20	1,301934E+21
632	3,669492E+21	6,591124E+21	8,835128E+21	8,834928E+21	6,590776E+21	3,669287E+21	1,301837E+21	1,231118E+20	0,000000E+00	0,000000E+00	1,231011E+20	1,301776E+21
633	3,669134E+21	6,590574E+21	8,834803E+21	8,834963E+21	6,590921E+21	3,669428E+21	1,301966E+21	1,231760E+20	0,000000E+00	0,000000E+00	1,231479E+20	1,301816E+21
634	3,669238E+21	6,590785E+21	8,834835E+21	8,834633E+21	6,590297E+21	3,668946E+21	1,301753E+21	1,231413E+20	0,000000E+00	0,000000E+00	1,232063E+20	1,302022E+21
635	3,669294E+21	6,590421E+21	8,834110E+21	8,834076E+21	6,590290E+21	3,669177E+21	1,301979E+21	1,232110E+20	0,000000E+00	0,000000E+00	1,231742E+20	1,301809E+21
636	3,668890E+21	6,590003E+21	8,834084E+21	8,834256E+21	6,590423E+21	3,669221E+21	1,301963E+21	1,232253E+20	0,000000E+00	0,000000E+00	1,232411E+20	1,302017E+21

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°
637	3,669233E+21	6,590303E+21	8,834024E+21	8,833831E+21	6,589834E+21	3,668892E+21	1,301861E+21	1,232000E+20	0,000000E+00	0,000000E+00	1,232419E+20	1,302037E+21
638	3,669133E+21	6,589944E+21	8,833514E+21	8,833695E+21	6,590185E+21	3,669257E+21	1,302096E+21	1,232580E+20	0,000000E+00	0,000000E+00	1,232006E+20	1,301826E+21
639	3,668879E+21	6,589972E+21	8,833933E+21	8,833978E+21	6,590144E+21	3,669064E+21	1,301915E+21	1,232232E+20	0,000000E+00	0,000000E+00	1,232529E+20	1,302056E+21
640	3,669240E+21	6,590259E+21	8,833907E+21	8,833704E+21	6,589886E+21	3,669009E+21	1,301932E+21	1,232041E+20	0,000000E+00	0,000000E+00	1,232002E+20	1,301892E+21
641	3,668949E+21	6,589896E+21	8,833840E+21	8,834157E+21	6,590464E+21	3,669323E+21	1,302060E+21	1,232363E+20	0,000000E+00	0,000000E+00	1,231773E+20	1,301824E+21
642	3,669054E+21	6,590390E+21	8,834398E+21	8,834368E+21	6,590274E+21	3,668979E+21	1,301777E+21	1,231585E+20	0,000000E+00	0,000000E+00	1,232166E+20	1,302050E+21
643	3,669357E+21	6,590551E+21	8,834306E+21	8,834236E+21	6,590407E+21	3,669200E+21	1,301900E+21	1,231544E+20	0,000000E+00	0,000000E+00	1,231269E+20	1,301783E+21
644	3,669055E+21	6,590440E+21	8,834707E+21	8,834902E+21	6,590880E+21	3,669377E+21	1,301912E+21	1,231628E+20	0,000000E+00	0,000000E+00	1,231445E+20	1,301863E+21
645	3,669384E+21	6,591046E+21	8,835181E+21	8,834997E+21	6,590561E+21	3,669033E+21	1,301711E+21	1,230934E+20	0,000000E+00	0,000000E+00	1,231414E+20	1,301906E+21
646	3,669362E+21	6,590887E+21	8,834916E+21	8,834993E+21	6,590959E+21	3,669391E+21	1,301921E+21	1,231407E+20	0,000000E+00	0,000000E+00	1,230799E+20	1,301665E+21
647	3,669006E+21	6,590686E+21	8,835190E+21	8,835336E+21	6,591084E+21	3,669338E+21	1,301815E+21	1,231304E+20	0,000000E+00	0,000000E+00	1,231521E+20	1,301905E+21
648	3,669383E+21	6,590946E+21	8,835056E+21	8,834893E+21	6,590609E+21	3,669145E+21	1,301775E+21	1,231051E+20	0,000000E+00	0,000000E+00	1,231318E+20	1,301857E+21
649	3,669187E+21	6,590482E+21	8,834520E+21	8,834769E+21	6,590877E+21	3,669441E+21	1,302003E+21	1,231858E+20	0,000000E+00	0,000000E+00	1,231319E+20	1,301758E+21
650	3,669097E+21	6,590602E+21	8,834690E+21	8,834635E+21	6,590490E+21	3,669067E+21	1,301782E+21	1,231481E+20	0,000000E+00	0,000000E+00	1,232123E+20	1,302034E+21
651	3,669369E+21	6,590590E+21	8,834262E+21	8,833984E+21	6,590092E+21	3,669053E+21	1,301899E+21	1,231827E+20	0,000000E+00	0,000000E+00	1,231760E+20	1,301854E+21
652	3,668939E+21	6,589948E+21	8,833912E+21	8,834085E+21	6,590328E+21	3,669249E+21	1,302049E+21	1,232514E+20	0,000000E+00	0,000000E+00	1,232258E+20	1,301913E+21
653	3,669056E+21	6,590121E+21	8,833924E+21	8,833820E+21	6,589789E+21	3,668814E+21	1,301845E+21	1,232174E+20	0,000000E+00	0,000000E+00	1,232803E+20	1,302112E+21
654	3,669139E+21	6,589831E+21	8,833206E+21	8,833188E+21	6,589760E+21	3,669073E+21	1,302085E+21	1,232843E+20	0,000000E+00	0,000000E+00	1,232479E+20	1,301903E+21
655	3,668722E+21	6,589352E+21	8,833110E+21	8,833316E+21	6,589841E+21	3,669090E+21	1,302072E+21	1,233021E+20	0,000000E+00	0,000000E+00	1,233085E+20	1,302095E+21
656	3,669091E+21	6,589742E+21	8,833114E+21	8,832898E+21	6,589283E+21	3,668781E+21	1,301962E+21	1,232732E+20	0,000000E+00	0,000000E+00	1,233095E+20	1,302099E+21
657	3,668949E+21	6,589378E+21	8,832678E+21	8,832800E+21	6,589597E+21	3,669120E+21	1,302198E+21	1,233316E+20	0,000000E+00	0,000000E+00	1,232660E+20	1,301895E+21
658	3,668718E+21	6,589414E+21	8,833115E+21	8,833150E+21	6,589562E+21	3,668872E+21	1,301977E+21	1,232890E+20	0,000000E+00	0,000000E+00	1,233214E+20	1,302150E+21
659	3,669115E+21	6,589719E+21	8,833084E+21	8,832907E+21	6,589370E+21	3,668835E+21	1,301974E+21	1,232595E+20	0,000000E+00	0,000000E+00	1,232674E+20	1,301993E+21
660	3,668844E+21	6,589383E+21	8,833027E+21	8,833348E+21	6,589956E+21	3,669187E+21	1,302121E+21	1,232923E+20	0,000000E+00	0,000000E+00	1,232426E+20	1,301933E+21
661	3,668997E+21	6,589961E+21	8,833705E+21	8,833670E+21	6,589812E+21	3,668853E+21	1,301844E+21	1,232145E+20	0,000000E+00	0,000000E+00	1,232716E+20	1,302119E+21
662	3,669281E+21	6,590206E+21	8,833712E+21	8,833539E+21	6,589932E+21	3,669080E+21	1,301975E+21	1,232121E+20	0,000000E+00	0,000000E+00	1,231805E+20	1,301830E+21
663	3,668880E+21	6,589920E+21	8,834000E+21	8,834192E+21	6,590395E+21	3,669249E+21	1,302001E+21	1,232303E+20	0,000000E+00	0,000000E+00	1,232000E+20	1,301905E+21
664	3,669194E+21	6,590476E+21	8,834384E+21	8,834256E+21	6,590137E+21	3,668940E+21	1,301798E+21	1,231617E+20	0,000000E+00	0,000000E+00	1,232068E+20	1,301965E+21
665	3,669155E+21	6,590250E+21	8,834015E+21	8,834114E+21	6,590442E+21	3,669289E+21	1,302023E+21	1,232133E+20	0,000000E+00	0,000000E+00	1,231522E+20	1,301763E+21
666	3,668879E+21	6,590086E+21	8,834236E+21	8,834373E+21	6,590464E+21	3,669168E+21	1,301891E+21	1,231977E+20	0,000000E+00	0,000000E+00	1,232270E+20	1,302019E+21
667	3,669293E+21	6,590413E+21	8,834140E+21	8,833929E+21	6,589972E+21	3,668949E+21	1,301836E+21	1,231690E+20	0,000000E+00	0,000000E+00	1,232048E+20	1,301956E+21
668	3,669067E+21	6,589952E+21	8,833649E+21	8,833814E+21	6,590228E+21	3,669256E+21	1,302082E+21	1,232557E+20	0,000000E+00	0,000000E+00	1,232053E+20	1,301851E+21
669	3,668956E+21	6,590049E+21	8,833896E+21	8,833814E+21	6,589896E+21	3,668888E+21	1,301869E+21	1,232235E+20	0,000000E+00	0,000000E+00	1,232818E+20	1,302105E+21
670	3,669193E+21	6,590015E+21	8,833442E+21	8,833157E+21	6,589538E+21	3,668901E+21	1,301991E+21	1,232606E+20	0,000000E+00	0,000000E+00	1,232526E+20	1,301940E+21
671	3,668724E+21	6,589221E+21	8,832902E+21	8,833157E+21	6,589764E+21	3,669116E+21	1,302155E+21	1,233339E+20	0,000000E+00	0,000000E+00	1,233038E+20	1,302014E+21
672	3,668900E+21	6,589457E+21	8,832874E+21	8,832808E+21	6,589234E+21	3,668717E+21	1,301957E+21	1,232990E+20	0,000000E+00	0,000000E+00	1,233607E+20	1,302208E+21

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°
673	3,668983E+21	6,589211E+21	8,832226E+21	8,832161E+21	6,589126E+21	3,668946E+21	1,302202E+21	1,233647E+20	0,000000E+00	0,000000E+00	1,233237E+20	1,301999E+21
674	3,668601E+21	6,588796E+21	8,832200E+21	8,832342E+21	6,589166E+21	3,668893E+21	1,302153E+21	1,233746E+20	0,000000E+00	0,000000E+00	1,233795E+20	1,302176E+21
675	3,668940E+21	6,589187E+21	8,832277E+21	8,832036E+21	6,588679E+21	3,668581E+21	1,302022E+21	1,233374E+20	0,000000E+00	0,000000E+00	1,233780E+20	1,302172E+21
676	3,668767E+21	6,588785E+21	8,831847E+21	8,831991E+21	6,589060E+21	3,668960E+21	1,302262E+21	1,233938E+20	0,000000E+00	0,000000E+00	1,233345E+20	1,301992E+21
677	3,668584E+21	6,588856E+21	8,832320E+21	8,832404E+21	6,589085E+21	3,668747E+21	1,302045E+21	1,233490E+20	0,000000E+00	0,000000E+00	1,233824E+20	1,302235E+21
678	3,669022E+21	6,589269E+21	8,832357E+21	8,832162E+21	6,588902E+21	3,668726E+21	1,302046E+21	1,233152E+20	0,000000E+00	0,000000E+00	1,233259E+20	1,302073E+21
679	3,668739E+21	6,588905E+21	8,832274E+21	8,832589E+21	6,589466E+21	3,669062E+21	1,302197E+21	1,233528E+20	0,000000E+00	0,000000E+00	1,232960E+20	1,301995E+21
680	3,668897E+21	6,589538E+21	8,832987E+21	8,832909E+21	6,589365E+21	3,668766E+21	1,301931E+21	1,232778E+20	0,000000E+00	0,000000E+00	1,233273E+20	1,302159E+21
681	3,669109E+21	6,589721E+21	8,833039E+21	8,832821E+21	6,589445E+21	3,668968E+21	1,302069E+21	1,232794E+20	0,000000E+00	0,000000E+00	1,232402E+20	1,301892E+21
682	3,668729E+21	6,589375E+21	8,833220E+21	8,833436E+21	6,589877E+21	3,669086E+21	1,302066E+21	1,232944E+20	0,000000E+00	0,000000E+00	1,232674E+20	1,301988E+21
683	3,669045E+21	6,589896E+21	8,833523E+21	8,833432E+21	6,589616E+21	3,668787E+21	1,301855E+21	1,232212E+20	0,000000E+00	0,000000E+00	1,232782E+20	1,302065E+21
684	3,669027E+21	6,589679E+21	8,833115E+21	8,833198E+21	6,589853E+21	3,669140E+21	1,302098E+21	1,232775E+20	0,000000E+00	0,000000E+00	1,232262E+20	1,301877E+21
685	3,668787E+21	6,589568E+21	8,833396E+21	8,833496E+21	6,589875E+21	3,669011E+21	1,301973E+21	1,232652E+20	0,000000E+00	0,000000E+00	1,232932E+20	1,302096E+21
686	3,669178E+21	6,589939E+21	8,833366E+21	8,833066E+21	6,589375E+21	3,668788E+21	1,301923E+21	1,232411E+20	0,000000E+00	0,000000E+00	1,232732E+20	1,302022E+21
687	3,668867E+21	6,589311E+21	8,832757E+21	8,832943E+21	6,589627E+21	3,669083E+21	1,302178E+21	1,233364E+20	0,000000E+00	0,000000E+00	1,232768E+20	1,301922E+21
688	3,668757E+21	6,589378E+21	8,832918E+21	8,832899E+21	6,589369E+21	3,668777E+21	1,301976E+21	1,233074E+20	0,000000E+00	0,000000E+00	1,233615E+20	1,302189E+21
689	3,668981E+21	6,589307E+21	8,832434E+21	8,832176E+21	6,588939E+21	3,668783E+21	1,302109E+21	1,233449E+20	0,000000E+00	0,000000E+00	1,233368E+20	1,302057E+21
690	3,668597E+21	6,588568E+21	8,831857E+21	8,832120E+21	6,589096E+21	3,668941E+21	1,302244E+21	1,234098E+20	0,000000E+00	0,000000E+00	1,233854E+20	1,302127E+21
691	3,668787E+21	6,588883E+21	8,831911E+21	8,831806E+21	6,588584E+21	3,668536E+21	1,302033E+21	1,233684E+20	0,000000E+00	0,000000E+00	1,234375E+20	1,302304E+21
692	3,668843E+21	6,588649E+21	8,831333E+21	8,831201E+21	6,588475E+21	3,668777E+21	1,302287E+21	1,234346E+20	0,000000E+00	0,000000E+00	1,233968E+20	1,302091E+21
693	3,668453E+21	6,588235E+21	8,831401E+21	8,831546E+21	6,588599E+21	3,668727E+21	1,302233E+21	1,234441E+20	0,000000E+00	0,000000E+00	1,234442E+20	1,302245E+21
694	3,668780E+21	6,588642E+21	8,831489E+21	8,831266E+21	6,588168E+21	3,668435E+21	1,302095E+21	1,234032E+20	0,000000E+00	0,000000E+00	1,234452E+20	1,302254E+21
695	3,668596E+21	6,588154E+21	8,830938E+21	8,831153E+21	6,588539E+21	3,668827E+21	1,302341E+21	1,234601E+20	0,000000E+00	0,000000E+00	1,233983E+20	1,302083E+21
696	3,668489E+21	6,588356E+21	8,831461E+21	8,831550E+21	6,588603E+21	3,668661E+21	1,302134E+21	1,234145E+20	0,000000E+00	0,000000E+00	1,234451E+20	1,302308E+21
697	3,668910E+21	6,588822E+21	8,831628E+21	8,831364E+21	6,588374E+21	3,668611E+21	1,302138E+21	1,233801E+20	0,000000E+00	0,000000E+00	1,233839E+20	1,302140E+21
698	3,668644E+21	6,588483E+21	8,831586E+21	8,831839E+21	6,588921E+21	3,668896E+21	1,302261E+21	1,234127E+20	0,000000E+00	0,000000E+00	1,233528E+20	1,302046E+21
699	3,668748E+21	6,589066E+21	8,832309E+21	8,832234E+21	6,588890E+21	3,668614E+21	1,301987E+21	1,233342E+20	0,000000E+00	0,000000E+00	1,233868E+20	1,302212E+21
700	3,668919E+21	6,589156E+21	8,832270E+21	8,832111E+21	6,588980E+21	3,668845E+21	1,302134E+21	1,233379E+20	0,000000E+00	0,000000E+00	1,233064E+20	1,301983E+21
701	3,668586E+21	6,588808E+21	8,832411E+21	8,832695E+21	6,589408E+21	3,668974E+21	1,302140E+21	1,233543E+20	0,000000E+00	0,000000E+00	1,233309E+20	1,302072E+21
702	3,668929E+21	6,589387E+21	8,832715E+21	8,832623E+21	6,589098E+21	3,668665E+21	1,301934E+21	1,232821E+20	0,000000E+00	0,000000E+00	1,233432E+20	1,302149E+21
703	3,668894E+21	6,589121E+21	8,832231E+21	8,832310E+21	6,589269E+21	3,668992E+21	1,302185E+21	1,233472E+20	0,000000E+00	0,000000E+00	1,232908E+20	1,301954E+21
704	3,668667E+21	6,589063E+21	8,832529E+21	8,832575E+21	6,589303E+21	3,668891E+21	1,302077E+21	1,233422E+20	0,000000E+00	0,000000E+00	1,233622E+20	1,302158E+21
705	3,668985E+21	6,589350E+21	8,832521E+21	8,832195E+21	6,588775E+21	3,668636E+21	1,302031E+21	1,233240E+20	0,000000E+00	0,000000E+00	1,233497E+20	1,302116E+21
706	3,668712E+21	6,588669E+21	8,831792E+21	8,832015E+21	6,589002E+21	3,668891E+21	1,302253E+21	1,234133E+20	0,000000E+00	0,000000E+00	1,233607E+20	1,302036E+21
707	3,668611E+21	6,588727E+21	8,831901E+21	8,831918E+21	6,588748E+21	3,668610E+21	1,302055E+21	1,233802E+20	0,000000E+00	0,000000E+00	1,234470E+20	1,302312E+21
708	3,668852E+21	6,588686E+21	8,831437E+21	8,831169E+21	6,588278E+21	3,668621E+21	1,302198E+21	1,234187E+20	0,000000E+00	0,000000E+00	1,234215E+20	1,302182E+21

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°
709	3,668492E+21	6,588021E+21	8,830962E+21	8,831175E+21	6,588451E+21	3,668774E+21	1,302335E+21	1,234832E+20	0,000000E+00	0,000000E+00	1,234566E+20	1,302203E+21
710	3,668631E+21	6,588349E+21	8,831090E+21	8,830929E+21	6,587973E+21	3,668376E+21	1,302126E+21	1,234420E+20	0,000000E+00	0,000000E+00	1,235052E+20	1,302361E+21
711	3,668619E+21	6,587981E+21	8,830418E+21	8,830344E+21	6,587893E+21	3,668613E+21	1,302379E+21	1,235104E+20	0,000000E+00	0,000000E+00	1,234634E+20	1,302157E+21
712	3,668263E+21	6,587594E+21	8,830426E+21	8,830643E+21	6,588091E+21	3,668627E+21	1,302333E+21	1,235201E+20	0,000000E+00	0,000000E+00	1,235129E+20	1,302317E+21
713	3,668595E+21	6,588020E+21	8,830576E+21	8,830390E+21	6,587632E+21	3,668329E+21	1,302198E+21	1,234753E+20	0,000000E+00	0,000000E+00	1,235141E+20	1,302357E+21
714	3,668514E+21	6,587640E+21	8,830071E+21	8,830285E+21	6,587960E+21	3,668655E+21	1,302404E+21	1,235211E+20	0,000000E+00	0,000000E+00	1,234631E+20	1,302174E+21
715	3,668410E+21	6,587932E+21	8,830721E+21	8,830756E+21	6,588063E+21	3,668504E+21	1,302195E+21	1,234707E+20	0,000000E+00	0,000000E+00	1,235061E+20	1,302377E+21
716	3,668786E+21	6,588388E+21	8,830969E+21	8,830658E+21	6,587856E+21	3,668467E+21	1,302203E+21	1,234370E+20	0,000000E+00	0,000000E+00	1,234442E+20	1,302208E+21
717	3,668499E+21	6,588022E+21	8,830956E+21	8,831224E+21	6,588470E+21	3,668760E+21	1,302325E+21	1,234709E+20	0,000000E+00	0,000000E+00	1,234094E+20	1,302101E+21
718	3,668578E+21	6,588551E+21	8,831592E+21	8,831578E+21	6,588476E+21	3,668508E+21	1,302054E+21	1,233920E+20	0,000000E+00	0,000000E+00	1,234480E+20	1,302281E+21
719	3,668744E+21	6,588537E+21	8,831367E+21	8,831302E+21	6,588492E+21	3,668734E+21	1,302216E+21	1,234013E+20	0,000000E+00	0,000000E+00	1,233705E+20	1,302077E+21
720	3,668493E+21	6,588295E+21	8,831479E+21	8,831780E+21	6,588891E+21	3,668883E+21	1,302239E+21	1,234234E+20	0,000000E+00	0,000000E+00	1,233975E+20	1,302152E+21
721	3,668801E+21	6,588885E+21	8,831887E+21	8,831734E+21	6,588503E+21	3,668528E+21	1,302037E+21	1,233554E+20	0,000000E+00	0,000000E+00	1,234111E+20	1,302238E+21
722	3,668787E+21	6,588613E+21	8,831398E+21	8,831421E+21	6,588617E+21	3,668780E+21	1,302252E+21	1,234174E+20	0,000000E+00	0,000000E+00	1,233625E+20	1,302035E+21
723	3,668511E+21	6,588513E+21	8,831695E+21	8,831730E+21	6,588697E+21	3,668697E+21	1,302146E+21	1,234117E+20	0,000000E+00	0,000000E+00	1,234390E+20	1,302246E+21
724	3,668801E+21	6,588716E+21	8,831596E+21	8,831309E+21	6,588187E+21	3,668477E+21	1,302110E+21	1,233967E+20	0,000000E+00	0,000000E+00	1,234322E+20	1,302232E+21
725	3,668564E+21	6,588059E+21	8,830872E+21	8,831120E+21	6,588424E+21	3,668751E+21	1,302343E+21	1,234851E+20	0,000000E+00	0,000000E+00	1,234377E+20	1,302138E+21
726	3,668479E+21	6,588158E+21	8,830989E+21	8,831004E+21	6,588159E+21	3,668473E+21	1,302150E+21	1,234532E+20	0,000000E+00	0,000000E+00	1,235199E+20	1,302393E+21
727	3,668676E+21	6,588044E+21	8,830441E+21	8,830198E+21	6,587654E+21	3,668474E+21	1,302308E+21	1,234980E+20	0,000000E+00	0,000000E+00	1,234926E+20	1,302259E+21
728	3,668330E+21	6,587431E+21	8,829990E+21	8,830206E+21	6,587864E+21	3,668655E+21	1,302455E+21	1,235662E+20	0,000000E+00	0,000000E+00	1,235271E+20	1,302260E+21
729	3,668397E+21	6,587684E+21	8,830173E+21	8,830036E+21	6,587373E+21	3,668228E+21	1,302239E+21	1,235262E+20	0,000000E+00	0,000000E+00	1,235796E+20	1,302452E+21
730	3,668452E+21	6,587316E+21	8,829419E+21	8,829400E+21	6,587272E+21	3,668421E+21	1,302448E+21	1,235826E+20	0,000000E+00	0,000000E+00	1,235406E+20	1,302266E+21
731	3,668141E+21	6,587019E+21	8,829489E+21	8,829704E+21	6,587480E+21	3,668457E+21	1,302403E+21	1,235848E+20	0,000000E+00	0,000000E+00	1,235879E+20	1,302429E+21
732	3,668499E+21	6,587518E+21	8,829729E+21	8,829513E+21	6,587046E+21	3,668171E+21	1,302267E+21	1,235369E+20	0,000000E+00	0,000000E+00	1,235842E+20	1,302460E+21
733	3,668435E+21	6,587246E+21	8,829406E+21	8,829550E+21	6,587434E+21	3,668501E+21	1,302466E+21	1,235784E+20	0,000000E+00	0,000000E+00	1,235204E+20	1,302234E+21
734	3,668283E+21	6,587524E+21	8,830114E+21	8,830117E+21	6,587604E+21	3,668375E+21	1,302264E+21	1,235285E+20	0,000000E+00	0,000000E+00	1,235596E+20	1,302413E+21
735	3,668578E+21	6,587815E+21	8,830220E+21	8,830012E+21	6,587436E+21	3,668354E+21	1,302281E+21	1,234980E+20	0,000000E+00	0,000000E+00	1,235000E+20	1,302265E+21
736	3,668333E+21	6,587469E+21	8,830096E+21	8,830461E+21	6,588073E+21	3,668700E+21	1,302419E+21	1,235357E+20	0,000000E+00	0,000000E+00	1,234700E+20	1,302165E+21
737	3,668398E+21	6,587969E+21	8,830742E+21	8,830777E+21	6,587994E+21	3,668420E+21	1,302155E+21	1,234579E+20	0,000000E+00	0,000000E+00	1,235118E+20	1,302379E+21
738	3,668663E+21	6,588032E+21	8,830490E+21	8,830415E+21	6,587907E+21	3,668559E+21	1,302279E+21	1,234619E+20	0,000000E+00	0,000000E+00	1,234364E+20	1,302174E+21
739	3,668417E+21	6,587867E+21	8,830688E+21	8,830895E+21	6,588276E+21	3,668705E+21	1,302309E+21	1,234849E+20	0,000000E+00	0,000000E+00	1,234650E+20	1,302235E+21
740	3,668675E+21	6,588413E+21	8,831140E+21	8,830920E+21	6,587905E+21	3,668350E+21	1,302111E+21	1,234223E+20	0,000000E+00	0,000000E+00	1,234822E+20	1,302329E+21
741	3,668643E+21	6,588114E+21	8,830671E+21	8,830672E+21	6,588065E+21	3,668595E+21	1,302318E+21	1,234855E+20	0,000000E+00	0,000000E+00	1,234339E+20	1,302118E+21
742	3,668342E+21	6,587927E+21	8,830846E+21	8,830928E+21	6,588180E+21	3,668559E+21	1,302226E+21	1,234821E+20	0,000000E+00	0,000000E+00	1,235124E+20	1,302332E+21
743	3,668610E+21	6,588030E+21	8,830582E+21	8,830387E+21	6,587623E+21	3,668349E+21	1,302212E+21	1,234739E+20	0,000000E+00	0,000000E+00	1,235086E+20	1,302332E+21
744	3,668433E+21	6,587463E+21	8,829825E+21	8,830089E+21	6,587836E+21	3,668647E+21	1,302468E+21	1,235688E+20	0,000000E+00	0,000000E+00	1,235131E+20	1,302213E+21

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°
745	3,668280E+21	6,587523E+21	8,830033E+21	8,830024E+21	6,587524E+21	3,668340E+21	1,302281E+21	1,235407E+20	0,000000E+00	0,000000E+00	1,235941E+20	1,302474E+21
746	3,668501E+21	6,587392E+21	8,829445E+21	8,829203E+21	6,586968E+21	3,668264E+21	1,302397E+21	1,235794E+20	0,000000E+00	0,000000E+00	1,235711E+20	1,302344E+21
747	3,668137E+21	6,586775E+21	8,829004E+21	8,829230E+21	6,587206E+21	3,668457E+21	1,302536E+21	1,236415E+20	0,000000E+00	0,000000E+00	1,236080E+20	1,302363E+21
748	3,668212E+21	6,587008E+21	8,829175E+21	8,829073E+21	6,586751E+21	3,668058E+21	1,302316E+21	1,235978E+20	0,000000E+00	0,000000E+00	1,236615E+20	1,302577E+21
749	3,668335E+21	6,586767E+21	8,828552E+21	8,828509E+21	6,586677E+21	3,668249E+21	1,302510E+21	1,236446E+20	0,000000E+00	0,000000E+00	1,236121E+20	1,302373E+21
750	3,668058E+21	6,586566E+21	8,828723E+21	8,828898E+21	6,586940E+21	3,668307E+21	1,302470E+21	1,236448E+20	0,000000E+00	0,000000E+00	1,236492E+20	1,302500E+21
751	3,668369E+21	6,587027E+21	8,828958E+21	8,828744E+21	6,586550E+21	3,668047E+21	1,302351E+21	1,236004E+20	0,000000E+00	0,000000E+00	1,236412E+20	1,302519E+21
752	3,668305E+21	6,586798E+21	8,828676E+21	8,828827E+21	6,587002E+21	3,668414E+21	1,302565E+21	1,236459E+20	0,000000E+00	0,000000E+00	1,235759E+20	1,302273E+21
753	3,668072E+21	6,586962E+21	8,829387E+21	8,829453E+21	6,587181E+21	3,668281E+21	1,302363E+21	1,235973E+20	0,000000E+00	0,000000E+00	1,236192E+20	1,302485E+21
754	3,668423E+21	6,587219E+21	8,829341E+21	8,829210E+21	6,586945E+21	3,668210E+21	1,302344E+21	1,235580E+20	0,000000E+00	0,000000E+00	1,235660E+20	1,302361E+21
755	3,668232E+21	6,586969E+21	8,829246E+21	8,829578E+21	6,587511E+21	3,668553E+21	1,302486E+21	1,235929E+20	0,000000E+00	0,000000E+00	1,235383E+20	1,302270E+21
756	3,668313E+21	6,587501E+21	8,829934E+21	8,829907E+21	6,587409E+21	3,668260E+21	1,302224E+21	1,235175E+20	0,000000E+00	0,000000E+00	1,235782E+20	1,302473E+21
757	3,668576E+21	6,587646E+21	8,829837E+21	8,829644E+21	6,587341E+21	3,668376E+21	1,302336E+21	1,235210E+20	0,000000E+00	0,000000E+00	1,234968E+20	1,302241E+21
758	3,668287E+21	6,587432E+21	8,830048E+21	8,830199E+21	6,587758E+21	3,668533E+21	1,302373E+21	1,235485E+20	0,000000E+00	0,000000E+00	1,235253E+20	1,302283E+21
759	3,668461E+21	6,587788E+21	8,830293E+21	8,830166E+21	6,587429E+21	3,668220E+21	1,302198E+21	1,234939E+20	0,000000E+00	0,000000E+00	1,235486E+20	1,302402E+21
760	3,668468E+21	6,587494E+21	8,829715E+21	8,829808E+21	6,587603E+21	3,668517E+21	1,302429E+21	1,235628E+20	0,000000E+00	0,000000E+00	1,235065E+20	1,302198E+21
761	3,668144E+21	6,587258E+21	8,829882E+21	8,830018E+21	6,587633E+21	3,668459E+21	1,302352E+21	1,235631E+20	0,000000E+00	0,000000E+00	1,235870E+20	1,302433E+21
762	3,668475E+21	6,587390E+21	8,829542E+21	8,829356E+21	6,586973E+21	3,668174E+21	1,302306E+21	1,235518E+20	0,000000E+00	0,000000E+00	1,235878E+20	1,302433E+21
763	3,668297E+21	6,586897E+21	8,828866E+21	8,829031E+21	6,587129E+21	3,668463E+21	1,302565E+21	1,236457E+20	0,000000E+00	0,000000E+00	1,235940E+20	1,302310E+21
764	3,668100E+21	6,586884E+21	8,829081E+21	8,829040E+21	6,586840E+21	3,668141E+21	1,302371E+21	1,236197E+20	0,000000E+00	0,000000E+00	1,236760E+20	1,302576E+21
765	3,668326E+21	6,586780E+21	8,828547E+21	8,828289E+21	6,586336E+21	3,668055E+21	1,302462E+21	1,236523E+20	0,000000E+00	0,000000E+00	1,236515E+20	1,302454E+21
766	3,667993E+21	6,586169E+21	8,828078E+21	8,828315E+21	6,586609E+21	3,668280E+21	1,302604E+21	1,237101E+20	0,000000E+00	0,000000E+00	1,236830E+20	1,302466E+21
767	3,668072E+21	6,586387E+21	8,828201E+21	8,828135E+21	6,586175E+21	3,667918E+21	1,302406E+21	1,236688E+20	0,000000E+00	0,000000E+00	1,237329E+20	1,302680E+21
768	3,668254E+21	6,586289E+21	8,827688E+21	8,827619E+21	6,586151E+21	3,668140E+21	1,302612E+21	1,237164E+20	0,000000E+00	0,000000E+00	1,236760E+20	1,302435E+21
769	3,667899E+21	6,586067E+21	8,827999E+21	8,828139E+21	6,586432E+21	3,668197E+21	1,302580E+21	1,237182E+20	0,000000E+00	0,000000E+00	1,237078E+20	1,302556E+21
770	3,668208E+21	6,586482E+21	8,828171E+21	8,827985E+21	6,586044E+21	3,667892E+21	1,302425E+21	1,236669E+20	0,000000E+00	0,000000E+00	1,237032E+20	1,302575E+21
771	3,668126E+21	6,586247E+21	8,827880E+21	8,828037E+21	6,586500E+21	3,668281E+21	1,302639E+21	1,237073E+20	0,000000E+00	0,000000E+00	1,236415E+20	1,302353E+21
772	3,667900E+21	6,586357E+21	8,828530E+21	8,828648E+21	6,586690E+21	3,668162E+21	1,302436E+21	1,236570E+20	0,000000E+00	0,000000E+00	1,236855E+20	1,302580E+21
773	3,668313E+21	6,586743E+21	8,828589E+21	8,828419E+21	6,586422E+21	3,668054E+21	1,302396E+21	1,236112E+20	0,000000E+00	0,000000E+00	1,236274E+20	1,302454E+21
774	3,668158E+21	6,586557E+21	8,828542E+21	8,828803E+21	6,586986E+21	3,668395E+21	1,302543E+21	1,236476E+20	0,000000E+00	0,000000E+00	1,235939E+20	1,302333E+21
775	3,668188E+21	6,587029E+21	8,829204E+21	8,829145E+21	6,586910E+21	3,668129E+21	1,302304E+21	1,235802E+20	0,000000E+00	0,000000E+00	1,236350E+20	1,302535E+21
776	3,668448E+21	6,587182E+21	8,829112E+21	8,828916E+21	6,586880E+21	3,668260E+21	1,302429E+21	1,235921E+20	0,000000E+00	0,000000E+00	1,235578E+20	1,302291E+21
777	3,668078E+21	6,586834E+21	8,829264E+21	8,829478E+21	6,587303E+21	3,668424E+21	1,302475E+21	1,236240E+20	0,000000E+00	0,000000E+00	1,235937E+20	1,302370E+21
778	3,668299E+21	6,587127E+21	8,829306E+21	8,829252E+21	6,586888E+21	3,668074E+21	1,302279E+21	1,235668E+20	0,000000E+00	0,000000E+00	1,236262E+20	1,302510E+21
779	3,668343E+21	6,586904E+21	8,828736E+21	8,828779E+21	6,586952E+21	3,668363E+21	1,302523E+21	1,236357E+20	0,000000E+00	0,000000E+00	1,235899E+20	1,302318E+21
780	3,668018E+21	6,586654E+21	8,828904E+21	8,828995E+21	6,586963E+21	3,668286E+21	1,302447E+21	1,236389E+20	0,000000E+00	0,000000E+00	1,236674E+20	1,302534E+21

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°
781	3,668333E+21	6,586856E+21	8,828693E+21	8,828396E+21	6,586296E+21	3,667967E+21	1,302382E+21	1,236256E+20	0,000000E+00	0,000000E+00	1,236652E+20	1,302523E+21
782	3,668132E+21	6,586317E+21	8,828012E+21	8,828126E+21	6,586487E+21	3,668261E+21	1,302639E+21	1,237192E+20	0,000000E+00	0,000000E+00	1,236676E+20	1,302385E+21
783	3,667887E+21	6,586174E+21	8,828073E+21	8,828099E+21	6,586258E+21	3,667987E+21	1,302464E+21	1,236973E+20	0,000000E+00	0,000000E+00	1,237514E+20	1,302674E+21
784	3,668172E+21	6,586136E+21	8,827536E+21	8,827336E+21	6,585791E+21	3,667940E+21	1,302568E+21	1,237309E+20	0,000000E+00	0,000000E+00	1,237260E+20	1,302545E+21
785	3,667835E+21	6,585555E+21	8,827164E+21	8,827425E+21	6,586051E+21	3,668156E+21	1,302713E+21	1,237875E+20	0,000000E+00	0,000000E+00	1,237527E+20	1,302563E+21
786	3,667962E+21	6,585823E+21	8,827269E+21	8,827198E+21	6,585591E+21	3,667764E+21	1,302495E+21	1,237420E+20	0,000000E+00	0,000000E+00	1,238022E+20	1,302760E+21
787	3,668129E+21	6,585812E+21	8,826920E+21	8,826748E+21	6,585556E+21	3,667993E+21	1,302703E+21	1,237848E+20	0,000000E+00	0,000000E+00	1,237451E+20	1,302510E+21
788	3,667729E+21	6,585507E+21	8,827226E+21	8,827367E+21	6,585894E+21	3,668045E+21	1,302662E+21	1,237869E+20	0,000000E+00	0,000000E+00	1,237741E+20	1,302624E+21
789	3,668028E+21	6,585937E+21	8,827415E+21	8,827245E+21	6,585559E+21	3,667740E+21	1,302480E+21	1,237260E+20	0,000000E+00	0,000000E+00	1,237688E+20	1,302661E+21
790	3,667992E+21	6,585718E+21	8,827093E+21	8,827254E+21	6,586003E+21	3,668141E+21	1,302690E+21	1,237613E+20	0,000000E+00	0,000000E+00	1,237018E+20	1,302435E+21
791	3,667781E+21	6,585809E+21	8,827661E+21	8,827801E+21	6,586186E+21	3,668046E+21	1,302511E+21	1,237156E+20	0,000000E+00	0,000000E+00	1,237440E+20	1,302663E+21
792	3,668240E+21	6,586316E+21	8,827829E+21	8,827637E+21	6,585948E+21	3,667947E+21	1,302483E+21	1,236744E+20	0,000000E+00	0,000000E+00	1,236824E+20	1,302507E+21
793	3,668020E+21	6,586108E+21	8,827898E+21	8,828120E+21	6,586503E+21	3,668268E+21	1,302633E+21	1,237154E+20	0,000000E+00	0,000000E+00	1,236503E+20	1,302393E+21
794	3,668037E+21	6,586487E+21	8,828424E+21	8,828389E+21	6,586406E+21	3,667973E+21	1,302378E+21	1,236477E+20	0,000000E+00	0,000000E+00	1,236998E+20	1,302603E+21
795	3,668284E+21	6,586629E+21	8,828306E+21	8,828093E+21	6,586346E+21	3,668124E+21	1,302505E+21	1,236579E+20	0,000000E+00	0,000000E+00	1,236325E+20	1,302390E+21
796	3,667919E+21	6,586207E+21	8,828345E+21	8,828590E+21	6,586750E+21	3,668292E+21	1,302557E+21	1,236914E+20	0,000000E+00	0,000000E+00	1,236695E+20	1,302471E+21
797	3,668176E+21	6,586596E+21	8,828442E+21	8,828340E+21	6,586297E+21	3,667910E+21	1,302347E+21	1,236315E+20	0,000000E+00	0,000000E+00	1,237003E+20	1,302613E+21
798	3,668241E+21	6,586397E+21	8,827893E+21	8,827851E+21	6,586327E+21	3,668189E+21	1,302597E+21	1,237037E+20	0,000000E+00	0,000000E+00	1,236600E+20	1,302397E+21
799	3,667858E+21	6,586050E+21	8,827984E+21	8,828057E+21	6,586354E+21	3,668137E+21	1,302549E+21	1,237159E+20	0,000000E+00	0,000000E+00	1,237381E+20	1,302611E+21
800	3,668162E+21	6,586241E+21	8,827776E+21	8,827511E+21	6,585729E+21	3,667821E+21	1,302492E+21	1,237102E+20	0,000000E+00	0,000000E+00	1,237398E+20	1,302597E+21
801	3,667914E+21	6,585618E+21	8,827060E+21	8,827236E+21	6,585917E+21	3,668115E+21	1,302746E+21	1,238032E+20	0,000000E+00	0,000000E+00	1,237459E+20	1,302492E+21
802	3,667730E+21	6,585468E+21	8,826982E+21	8,827052E+21	6,585618E+21	3,667823E+21	1,302557E+21	1,237777E+20	0,000000E+00	0,000000E+00	1,238333E+20	1,302788E+21
803	3,668059E+21	6,585562E+21	8,826563E+21	8,826279E+21	6,585098E+21	3,667774E+21	1,302665E+21	1,238072E+20	0,000000E+00	0,000000E+00	1,238083E+20	1,302655E+21
804	3,667710E+21	6,584991E+21	8,826264E+21	8,826478E+21	6,585418E+21	3,667992E+21	1,302806E+21	1,238627E+20	0,000000E+00	0,000000E+00	1,238263E+20	1,302642E+21
805	3,667815E+21	6,585335E+21	8,826519E+21	8,826371E+21	6,585010E+21	3,667588E+21	1,302566E+21	1,238110E+20	0,000000E+00	0,000000E+00	1,238711E+20	1,302829E+21
806	3,667953E+21	6,585255E+21	8,826156E+21	8,825993E+21	6,585033E+21	3,667833E+21	1,302767E+21	1,238478E+20	0,000000E+00	0,000000E+00	1,238079E+20	1,302571E+21
807	3,667525E+21	6,584845E+21	8,826318E+21	8,826573E+21	6,585435E+21	3,667944E+21	1,302743E+21	1,238501E+20	0,000000E+00	0,000000E+00	1,238365E+20	1,302702E+21
808	3,667886E+21	6,585358E+21	8,826534E+21	8,826446E+21	6,585105E+21	3,667653E+21	1,302569E+21	1,237889E+20	0,000000E+00	0,000000E+00	1,238290E+20	1,302734E+21
809	3,667862E+21	6,585204E+21	8,826314E+21	8,826486E+21	6,585511E+21	3,668029E+21	1,302775E+21	1,238228E+20	0,000000E+00	0,000000E+00	1,237587E+20	1,302519E+21
810	3,667701E+21	6,585349E+21	8,826852E+21	8,826953E+21	6,585645E+21	3,667903E+21	1,302584E+21	1,237770E+20	0,000000E+00	0,000000E+00	1,238029E+20	1,302731E+21
811	3,668144E+21	6,585919E+21	8,827164E+21	8,826854E+21	6,585382E+21	3,667797E+21	1,302558E+21	1,237359E+20	0,000000E+00	0,000000E+00	1,237465E+20	1,302582E+21
812	3,667879E+21	6,585605E+21	8,827187E+21	8,827419E+21	6,586000E+21	3,668110E+21	1,302700E+21	1,237795E+20	0,000000E+00	0,000000E+00	1,237168E+20	1,302468E+21
813	3,667889E+21	6,585984E+21	8,827678E+21	8,827649E+21	6,585919E+21	3,667823E+21	1,302431E+21	1,237075E+20	0,000000E+00	0,000000E+00	1,237699E+20	1,302699E+21
814	3,668165E+21	6,586102E+21	8,827499E+21	8,827278E+21	6,585811E+21	3,667981E+21	1,302565E+21	1,237176E+20	0,000000E+00	0,000000E+00	1,237010E+20	1,302483E+21
815	3,667798E+21	6,585633E+21	8,827421E+21	8,827679E+21	6,586193E+21	3,668174E+21	1,302651E+21	1,237592E+20	0,000000E+00	0,000000E+00	1,237374E+20	1,302553E+21
816	3,668050E+21	6,586063E+21	8,827578E+21	8,827467E+21	6,585747E+21	3,667792E+21	1,302458E+21	1,237089E+20	0,000000E+00	0,000000E+00	1,237668E+20	1,302670E+21

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°
817	3,668048E+21	6,585807E+21	8,827070E+21	8,827018E+21	6,585745E+21	3,668044E+21	1,302709E+21	1,237862E+20	0,000000E+00	0,000000E+00	1,237307E+20	1,302471E+21
818	3,667661E+21	6,585352E+21	8,826952E+21	8,827083E+21	6,585734E+21	3,667970E+21	1,302649E+21	1,237994E+20	0,000000E+00	0,000000E+00	1,238160E+20	1,302697E+21
819	3,667972E+21	6,585562E+21	8,826757E+21	8,826490E+21	6,585074E+21	3,667665E+21	1,302591E+21	1,237911E+20	0,000000E+00	0,000000E+00	1,238270E+20	1,302717E+21
820	3,667755E+21	6,584930E+21	8,826015E+21	8,826216E+21	6,585253E+21	3,667939E+21	1,302834E+21	1,238807E+20	0,000000E+00	0,000000E+00	1,238296E+20	1,302605E+21
821	3,667613E+21	6,584916E+21	8,826050E+21	8,826063E+21	6,584961E+21	3,667638E+21	1,302631E+21	1,238496E+20	0,000000E+00	0,000000E+00	1,239121E+20	1,302894E+21
822	3,667952E+21	6,585059E+21	8,825742E+21	8,825384E+21	6,584474E+21	3,667597E+21	1,302734E+21	1,238747E+20	0,000000E+00	0,000000E+00	1,238786E+20	1,302731E+21
823	3,667550E+21	6,584420E+21	8,825410E+21	8,825626E+21	6,584859E+21	3,667856E+21	1,302900E+21	1,239339E+20	0,000000E+00	0,000000E+00	1,238920E+20	1,302706E+21
824	3,667631E+21	6,584743E+21	8,825688E+21	8,825623E+21	6,584547E+21	3,667481E+21	1,302666E+21	1,238848E+20	0,000000E+00	0,000000E+00	1,239355E+20	1,302888E+21
825	3,667748E+21	6,584620E+21	8,825301E+21	8,825240E+21	6,584565E+21	3,667728E+21	1,302857E+21	1,239162E+20	0,000000E+00	0,000000E+00	1,238734E+20	1,302665E+21
826	3,667395E+21	6,584227E+21	8,825318E+21	8,825635E+21	6,584878E+21	3,667814E+21	1,302824E+21	1,239150E+20	0,000000E+00	0,000000E+00	1,239027E+20	1,302796E+21
827	3,667801E+21	6,584893E+21	8,825708E+21	8,825534E+21	6,584498E+21	3,667509E+21	1,302649E+21	1,238499E+20	0,000000E+00	0,000000E+00	1,238962E+20	1,302827E+21
828	3,667772E+21	6,584768E+21	8,825589E+21	8,825693E+21	6,584940E+21	3,667859E+21	1,302839E+21	1,238831E+20	0,000000E+00	0,000000E+00	1,238193E+20	1,302584E+21
829	3,667592E+21	6,584982E+21	8,826245E+21	8,826257E+21	6,585118E+21	3,667728E+21	1,302635E+21	1,238348E+20	0,000000E+00	0,000000E+00	1,238636E+20	1,302796E+21
830	3,668004E+21	6,585463E+21	8,826522E+21	8,826217E+21	6,584919E+21	3,667643E+21	1,302603E+21	1,237912E+20	0,000000E+00	0,000000E+00	1,238051E+20	1,302644E+21
831	3,667710E+21	6,585032E+21	8,826370E+21	8,826692E+21	6,585571E+21	3,668019E+21	1,302777E+21	1,238395E+20	0,000000E+00	0,000000E+00	1,237787E+20	1,302544E+21
832	3,667748E+21	6,585424E+21	8,826840E+21	8,826900E+21	6,585482E+21	3,667747E+21	1,302530E+21	1,237744E+20	0,000000E+00	0,000000E+00	1,238314E+20	1,302765E+21
833	3,668011E+21	6,585546E+21	8,826666E+21	8,826490E+21	6,585305E+21	3,667876E+21	1,302669E+21	1,237887E+20	0,000000E+00	0,000000E+00	1,237664E+20	1,302567E+21
834	3,667667E+21	6,585058E+21	8,826459E+21	8,826715E+21	6,585587E+21	3,668036E+21	1,302755E+21	1,238354E+20	0,000000E+00	0,000000E+00	1,238081E+20	1,302629E+21
835	3,667887E+21	6,585501E+21	8,826701E+21	8,826507E+21	6,585073E+21	3,667627E+21	1,302564E+21	1,237893E+20	0,000000E+00	0,000000E+00	1,238467E+20	1,302762E+21
836	3,667853E+21	6,585134E+21	8,826105E+21	8,826091E+21	6,585104E+21	3,667851E+21	1,302795E+21	1,238671E+20	0,000000E+00	0,000000E+00	1,238141E+20	1,302573E+21
837	3,667499E+21	6,584734E+21	8,825967E+21	8,826089E+21	6,585075E+21	3,667772E+21	1,302716E+21	1,238737E+20	0,000000E+00	0,000000E+00	1,239024E+20	1,302824E+21
838	3,667853E+21	6,584957E+21	8,825766E+21	8,825480E+21	6,584398E+21	3,667469E+21	1,302656E+21	1,238620E+20	0,000000E+00	0,000000E+00	1,239079E+20	1,302832E+21
839	3,667641E+21	6,584342E+21	8,825027E+21	8,825220E+21	6,584620E+21	3,667786E+21	1,302926E+21	1,239532E+20	0,000000E+00	0,000000E+00	1,239049E+20	1,302700E+21
840	3,667484E+21	6,584375E+21	8,825199E+21	8,825205E+21	6,584393E+21	3,667509E+21	1,302743E+21	1,239293E+20	0,000000E+00	0,000000E+00	1,239802E+20	1,302950E+21
841	3,667749E+21	6,584465E+21	8,824940E+21	8,824624E+21	6,583944E+21	3,667468E+21	1,302842E+21	1,239529E+20	0,000000E+00	0,000000E+00	1,239474E+20	1,302799E+21
842	3,667344E+21	6,583741E+21	8,824415E+21	8,824729E+21	6,584316E+21	3,667726E+21	1,302997E+21	1,240092E+20	0,000000E+00	0,000000E+00	1,239620E+20	1,302780E+21
843	3,667438E+21	6,584105E+21	8,824738E+21	8,824687E+21	6,583968E+21	3,667362E+21	1,302760E+21	1,239546E+20	0,000000E+00	0,000000E+00	1,240094E+20	1,302986E+21
844	3,667601E+21	6,584011E+21	8,824368E+21	8,824345E+21	6,583985E+21	3,667574E+21	1,302932E+21	1,239797E+20	0,000000E+00	0,000000E+00	1,239409E+20	1,302758E+21
845	3,667315E+21	6,583807E+21	8,824527E+21	8,824768E+21	6,584291E+21	3,667639E+21	1,302879E+21	1,239721E+20	0,000000E+00	0,000000E+00	1,239658E+20	1,302886E+21
846	3,667726E+21	6,584519E+21	8,825055E+21	8,824795E+21	6,583960E+21	3,667340E+21	1,302698E+21	1,239038E+20	0,000000E+00	0,000000E+00	1,239521E+20	1,302891E+21
847	3,667651E+21	6,584339E+21	8,824938E+21	8,825033E+21	6,584475E+21	3,667725E+21	1,302907E+21	1,239407E+20	0,000000E+00	0,000000E+00	1,238749E+20	1,302643E+21
848	3,667441E+21	6,584490E+21	8,825582E+21	8,825684E+21	6,584745E+21	3,667635E+21	1,302720E+21	1,238993E+20	0,000000E+00	0,000000E+00	1,239204E+20	1,302849E+21
849	3,667823E+21	6,584909E+21	8,825777E+21	8,825581E+21	6,584526E+21	3,667560E+21	1,302689E+21	1,238545E+20	0,000000E+00	0,000000E+00	1,238675E+20	1,302730E+21
850	3,667580E+21	6,584451E+21	8,825408E+21	8,825786E+21	6,585045E+21	3,667916E+21	1,302871E+21	1,239070E+20	0,000000E+00	0,000000E+00	1,238452E+20	1,302628E+21
851	3,667623E+21	6,584909E+21	8,825971E+21	8,825967E+21	6,584880E+21	3,667624E+21	1,302633E+21	1,238450E+20	0,000000E+00	0,000000E+00	1,239026E+20	1,302849E+21
852	3,667863E+21	6,584997E+21	8,825807E+21	8,825603E+21	6,584682E+21	3,667698E+21	1,302757E+21	1,238629E+20	0,000000E+00	0,000000E+00	1,238387E+20	1,302644E+21

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°
853	3,667513E+21	6,584537E+21	8,825604E+21	8,825804E+21	6,584939E+21	3,667832E+21	1,302828E+21	1,239079E+20	0,000000E+00	0,000000E+00	1,238853E+20	1,302722E+21
854	3,667716E+21	6,584896E+21	8,825800E+21	8,825622E+21	6,584464E+21	3,667432E+21	1,302624E+21	1,238586E+20	0,000000E+00	0,000000E+00	1,239241E+20	1,302863E+21
855	3,667687E+21	6,584479E+21	8,825096E+21	8,825128E+21	6,584500E+21	3,667694E+21	1,302872E+21	1,239371E+20	0,000000E+00	0,000000E+00	1,238928E+20	1,302684E+21
856	3,667368E+21	6,584126E+21	8,825017E+21	8,825183E+21	6,584495E+21	3,667635E+21	1,302818E+21	1,239500E+20	0,000000E+00	0,000000E+00	1,239752E+20	1,302911E+21
857	3,667708E+21	6,584387E+21	8,824878E+21	8,824612E+21	6,583830E+21	3,667335E+21	1,302762E+21	1,239402E+20	0,000000E+00	0,000000E+00	1,239812E+20	1,302920E+21
858	3,667490E+21	6,583747E+21	8,824049E+21	8,824231E+21	6,583996E+21	3,667647E+21	1,303039E+21	1,240345E+20	0,000000E+00	0,000000E+00	1,239781E+20	1,302772E+21
859	3,667290E+21	6,583774E+21	8,824318E+21	8,824287E+21	6,583769E+21	3,667370E+21	1,302861E+21	1,240125E+20	0,000000E+00	0,000000E+00	1,240573E+20	1,303029E+21
860	3,667529E+21	6,583766E+21	8,823973E+21	8,823748E+21	6,583374E+21	3,667308E+21	1,302935E+21	1,240307E+20	0,000000E+00	0,000000E+00	1,240252E+20	1,302892E+21
861	3,667187E+21	6,583146E+21	8,823437E+21	8,823759E+21	6,583706E+21	3,667556E+21	1,303064E+21	1,240761E+20	0,000000E+00	0,000000E+00	1,240386E+20	1,302896E+21
862	3,667331E+21	6,583565E+21	8,823835E+21	8,823757E+21	6,583353E+21	3,667181E+21	1,302816E+21	1,240141E+20	0,000000E+00	0,000000E+00	1,240768E+20	1,303084E+21
863	3,667510E+21	6,583538E+21	8,823550E+21	8,823486E+21	6,583421E+21	3,667417E+21	1,302997E+21	1,240376E+20	0,000000E+00	0,000000E+00	1,240011E+20	1,302836E+21
864	3,667216E+21	6,583392E+21	8,823889E+21	8,824101E+21	6,583811E+21	3,667507E+21	1,302964E+21	1,240370E+20	0,000000E+00	0,000000E+00	1,240193E+20	1,302929E+21
865	3,667561E+21	6,584047E+21	8,824432E+21	8,824226E+21	6,583563E+21	3,667230E+21	1,302782E+21	1,239680E+20	0,000000E+00	0,000000E+00	1,240080E+20	1,302947E+21
866	3,667475E+21	6,583774E+21	8,824117E+21	8,824302E+21	6,584050E+21	3,667629E+21	1,302990E+21	1,240051E+20	0,000000E+00	0,000000E+00	1,239359E+20	1,302712E+21
867	3,667279E+21	6,583939E+21	8,824761E+21	8,824871E+21	6,584253E+21	3,667548E+21	1,302815E+21	1,239641E+20	0,000000E+00	0,000000E+00	1,239871E+20	1,302931E+21
868	3,667673E+21	6,584329E+21	8,824898E+21	8,824754E+21	6,584006E+21	3,667429E+21	1,302770E+21	1,239179E+20	0,000000E+00	0,000000E+00	1,239337E+20	1,302815E+21
869	3,667489E+21	6,584018E+21	8,824578E+21	8,824874E+21	6,584448E+21	3,667745E+21	1,302935E+21	1,239681E+20	0,000000E+00	0,000000E+00	1,239144E+20	1,302721E+21
870	3,667510E+21	6,584440E+21	8,825193E+21	8,825108E+21	6,584271E+21	3,667435E+21	1,302694E+21	1,239073E+20	0,000000E+00	0,000000E+00	1,239686E+20	1,302925E+21
871	3,667709E+21	6,584453E+21	8,824983E+21	8,824777E+21	6,584114E+21	3,667524E+21	1,302830E+21	1,239308E+20	0,000000E+00	0,000000E+00	1,239093E+20	1,302732E+21
872	3,667350E+21	6,583943E+21	8,824764E+21	8,825023E+21	6,584414E+21	3,667680E+21	1,302917E+21	1,239831E+20	0,000000E+00	0,000000E+00	1,239574E+20	1,302808E+21
873	3,667544E+21	6,584263E+21	8,824878E+21	8,824766E+21	6,583929E+21	3,667303E+21	1,302720E+21	1,239344E+20	0,000000E+00	0,000000E+00	1,240008E+20	1,302972E+21
874	3,667554E+21	6,583849E+21	8,824040E+21	8,824077E+21	6,583858E+21	3,667549E+21	1,302977E+21	1,240159E+20	0,000000E+00	0,000000E+00	1,239711E+20	1,302782E+21
875	3,667231E+21	6,583564E+21	8,824080E+21	8,824158E+21	6,583828E+21	3,667492E+21	1,302937E+21	1,240332E+20	0,000000E+00	0,000000E+00	1,240536E+20	1,302992E+21
876	3,667520E+21	6,583760E+21	8,823954E+21	8,823693E+21	6,583208E+21	3,667167E+21	1,302870E+21	1,240250E+20	0,000000E+00	0,000000E+00	1,240591E+20	1,302993E+21
877	3,667303E+21	6,583155E+21	8,823119E+21	8,823284E+21	6,583365E+21	3,667463E+21	1,303125E+21	1,241124E+20	0,000000E+00	0,000000E+00	1,240585E+20	1,302866E+21
878	3,667089E+21	6,583097E+21	8,823355E+21	8,823375E+21	6,583179E+21	3,667196E+21	1,302934E+21	1,240835E+20	0,000000E+00	0,000000E+00	1,241324E+20	1,303125E+21
879	3,667356E+21	6,583101E+21	8,822965E+21	8,822797E+21	6,582796E+21	3,667162E+21	1,303012E+21	1,240962E+20	0,000000E+00	0,000000E+00	1,240984E+20	1,303000E+21
880	3,667072E+21	6,582583E+21	8,822564E+21	8,822904E+21	6,583151E+21	3,667414E+21	1,303151E+21	1,241428E+20	0,000000E+00	0,000000E+00	1,241013E+20	1,302977E+21
881	3,667223E+21	6,583092E+21	8,823078E+21	8,822983E+21	6,582852E+21	3,667056E+21	1,302899E+21	1,240783E+20	0,000000E+00	0,000000E+00	1,241368E+20	1,303159E+21
882	3,667395E+21	6,583072E+21	8,822776E+21	8,822660E+21	6,582884E+21	3,667284E+21	1,303083E+21	1,241036E+20	0,000000E+00	0,000000E+00	1,240597E+20	1,302895E+21
883	3,667067E+21	6,582925E+21	8,823214E+21	8,823381E+21	6,583323E+21	3,667389E+21	1,303056E+21	1,241060E+20	0,000000E+00	0,000000E+00	1,240819E+20	1,302992E+21
884	3,667381E+21	6,583472E+21	8,823652E+21	8,823544E+21	6,583137E+21	3,667107E+21	1,302855E+21	1,240326E+20	0,000000E+00	0,000000E+00	1,240728E+20	1,303025E+21
885	3,667355E+21	6,583281E+21	8,823280E+21	8,823454E+21	6,583529E+21	3,667486E+21	1,303049E+21	1,240624E+20	0,000000E+00	0,000000E+00	1,240044E+20	1,302817E+21
886	3,667183E+21	6,583449E+21	8,823956E+21	8,824032E+21	6,583705E+21	3,667390E+21	1,302871E+21	1,240183E+20	0,000000E+00	0,000000E+00	1,240490E+20	1,303012E+21
887	3,667566E+21	6,583864E+21	8,824120E+21	8,823919E+21	6,583458E+21	3,667276E+21	1,302837E+21	1,239757E+20	0,000000E+00	0,000000E+00	1,239953E+20	1,302889E+21
888	3,667360E+21	6,583552E+21	8,823896E+21	8,824144E+21	6,583923E+21	3,667595E+21	1,303022E+21	1,240364E+20	0,000000E+00	0,000000E+00	1,239743E+20	1,302774E+21

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°
889	3,667329E+21	6,583885E+21	8,824439E+21	8,824398E+21	6,583800E+21	3,667303E+21	1,302783E+21	1,239785E+20	0,000000E+00	0,000000E+00	1,240346E+20	1,302998E+21
890	3,667517E+21	6,583795E+21	8,824009E+21	8,823861E+21	6,583569E+21	3,667392E+21	1,302923E+21	1,240063E+20	0,000000E+00	0,000000E+00	1,239828E+20	1,302823E+21
891	3,667185E+21	6,583315E+21	8,823808E+21	8,824050E+21	6,583810E+21	3,667551E+21	1,303025E+21	1,240620E+20	0,000000E+00	0,000000E+00	1,240357E+20	1,302907E+21
892	3,667385E+21	6,583610E+21	8,823879E+21	8,823806E+21	6,583325E+21	3,667148E+21	1,302821E+21	1,240146E+20	0,000000E+00	0,000000E+00	1,240792E+20	1,303069E+21
893	3,667439E+21	6,583325E+21	8,823100E+21	8,823043E+21	6,583182E+21	3,667365E+21	1,303065E+21	1,240926E+20	0,000000E+00	0,000000E+00	1,240536E+20	1,302887E+21
894	3,667082E+21	6,582988E+21	8,823196E+21	8,823215E+21	6,583170E+21	3,667298E+21	1,303023E+21	1,241094E+20	0,000000E+00	0,000000E+00	1,241301E+20	1,303075E+21
895	3,667323E+21	6,583108E+21	8,823015E+21	8,822785E+21	6,582617E+21	3,666998E+21	1,302958E+21	1,241017E+20	0,000000E+00	0,000000E+00	1,241395E+20	1,303092E+21
896	3,667116E+21	6,582483E+21	8,822186E+21	8,822407E+21	6,582808E+21	3,667317E+21	1,303218E+21	1,241891E+20	0,000000E+00	0,000000E+00	1,241344E+20	1,302966E+21
897	3,666931E+21	6,582435E+21	8,822365E+21	8,822448E+21	6,582625E+21	3,667068E+21	1,303025E+21	1,241559E+20	0,000000E+00	0,000000E+00	1,242055E+20	1,303230E+21
898	3,667236E+21	6,582500E+21	8,821949E+21	8,821766E+21	6,582167E+21	3,667013E+21	1,303105E+21	1,241677E+20	0,000000E+00	0,000000E+00	1,241679E+20	1,303093E+21
899	3,666971E+21	6,582112E+21	8,821766E+21	8,821984E+21	6,582529E+21	3,667259E+21	1,303246E+21	1,242157E+20	0,000000E+00	0,000000E+00	1,241668E+20	1,303045E+21
900	3,667069E+21	6,582570E+21	8,822325E+21	8,822223E+21	6,582329E+21	3,666908E+21	1,302987E+21	1,241500E+20	0,000000E+00	0,000000E+00	1,241999E+20	1,303217E+21
901	3,667254E+21	6,582606E+21	8,822053E+21	8,821907E+21	6,582377E+21	3,667124E+21	1,303141E+21	1,241645E+20	0,000000E+00	0,000000E+00	1,241262E+20	1,302976E+21
902	3,666917E+21	6,582394E+21	8,822457E+21	8,822649E+21	6,582851E+21	3,667246E+21	1,303107E+21	1,241607E+20	0,000000E+00	0,000000E+00	1,241424E+20	1,303066E+21
903	3,667242E+21	6,582933E+21	8,822841E+21	8,822776E+21	6,582685E+21	3,666995E+21	1,302916E+21	1,240849E+20	0,000000E+00	0,000000E+00	1,241331E+20	1,303108E+21
904	3,667248E+21	6,582808E+21	8,822571E+21	8,822734E+21	6,583060E+21	3,667368E+21	1,303123E+21	1,241201E+20	0,000000E+00	0,000000E+00	1,240591E+20	1,302882E+21
905	3,667067E+21	6,582982E+21	8,823241E+21	8,823310E+21	6,583250E+21	3,667283E+21	1,302954E+21	1,240793E+20	0,000000E+00	0,000000E+00	1,241046E+20	1,303069E+21
906	3,667412E+21	6,583343E+21	8,823329E+21	8,823092E+21	6,582922E+21	3,667147E+21	1,302931E+21	1,240453E+20	0,000000E+00	0,000000E+00	1,240572E+20	1,302954E+21
907	3,667193E+21	6,583009E+21	8,823120E+21	8,823331E+21	6,583379E+21	3,667454E+21	1,303118E+21	1,241127E+20	0,000000E+00	0,000000E+00	1,240454E+20	1,302853E+21
908	3,667143E+21	6,583230E+21	8,823514E+21	8,823548E+21	6,583280E+21	3,667167E+21	1,302873E+21	1,240546E+20	0,000000E+00	0,000000E+00	1,241109E+20	1,303100E+21
909	3,667409E+21	6,583235E+21	8,823041E+21	8,822845E+21	6,582925E+21	3,667213E+21	1,302993E+21	1,240767E+20	0,000000E+00	0,000000E+00	1,240661E+20	1,302950E+21
910	3,667089E+21	6,582766E+21	8,822888E+21	8,823066E+21	6,583149E+21	3,667354E+21	1,303094E+21	1,241306E+20	0,000000E+00	0,000000E+00	1,241119E+20	1,303005E+21
911	3,667257E+21	6,583058E+21	8,822983E+21	8,822858E+21	6,582704E+21	3,666977E+21	1,302907E+21	1,240883E+20	0,000000E+00	0,000000E+00	1,241562E+20	1,303158E+21
912	3,667269E+21	6,582738E+21	8,822292E+21	8,822206E+21	6,582591E+21	3,667205E+21	1,303168E+21	1,241733E+20	0,000000E+00	0,000000E+00	1,241284E+20	1,302963E+21
913	3,666877E+21	6,582312E+21	8,822279E+21	8,822381E+21	6,582647E+21	3,667169E+21	1,303125E+21	1,241889E+20	0,000000E+00	0,000000E+00	1,242054E+20	1,303157E+21
914	3,667108E+21	6,582369E+21	8,821925E+21	8,821747E+21	6,582008E+21	3,666870E+21	1,303066E+21	1,241824E+20	0,000000E+00	0,000000E+00	1,242180E+20	1,303193E+21
915	3,666953E+21	6,581826E+21	8,821164E+21	8,821353E+21	6,582158E+21	3,667177E+21	1,303325E+21	1,242679E+20	0,000000E+00	0,000000E+00	1,242104E+20	1,303064E+21
916	3,666791E+21	6,581816E+21	8,821384E+21	8,821475E+21	6,582012E+21	3,666910E+21	1,303119E+21	1,242315E+20	0,000000E+00	0,000000E+00	1,242762E+20	1,303318E+21
917	3,667149E+21	6,582039E+21	8,821097E+21	8,820800E+21	6,581512E+21	3,666821E+21	1,303173E+21	1,242348E+20	0,000000E+00	0,000000E+00	1,242390E+20	1,303184E+21
918	3,666854E+21	6,581645E+21	8,821057E+21	8,821212E+21	6,581953E+21	3,667066E+21	1,303306E+21	1,242784E+20	0,000000E+00	0,000000E+00	1,242296E+20	1,303113E+21
919	3,666911E+21	6,582047E+21	8,821592E+21	8,821527E+21	6,581875E+21	3,666770E+21	1,303052E+21	1,242118E+20	0,000000E+00	0,000000E+00	1,242653E+20	1,303295E+21
920	3,667094E+21	6,582063E+21	8,821349E+21	8,821252E+21	6,581953E+21	3,667017E+21	1,303212E+21	1,242245E+20	0,000000E+00	0,000000E+00	1,241872E+20	1,303056E+21
921	3,666791E+21	6,581862E+21	8,821670E+21	8,821923E+21	6,582427E+21	3,667160E+21	1,303184E+21	1,242182E+20	0,000000E+00	0,000000E+00	1,241999E+20	1,303133E+21
922	3,667111E+21	6,582406E+21	8,821985E+21	8,821907E+21	6,582164E+21	3,666889E+21	1,303004E+21	1,241468E+20	0,000000E+00	0,000000E+00	1,241906E+20	1,303171E+21
923	3,667124E+21	6,582349E+21	8,821840E+21	8,821910E+21	6,582511E+21	3,667244E+21	1,303217E+21	1,241890E+20	0,000000E+00	0,000000E+00	1,241191E+20	1,302937E+21
924	3,666898E+21	6,582427E+21	8,822454E+21	8,822552E+21	6,582747E+21	3,667149E+21	1,303046E+21	1,241514E+20	0,000000E+00	0,000000E+00	1,241687E+20	1,303134E+21

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°
925	3,667268E+21	6,582809E+21	8,822492E+21	8,822246E+21	6,582363E+21	3,666976E+21	1,302994E+21	1,241120E+20	0,000000E+00	0,000000E+00	1,241322E+20	1,303060E+21
926	3,667061E+21	6,582434E+21	8,822257E+21	8,822474E+21	6,582800E+21	3,667271E+21	1,303172E+21	1,241748E+20	0,000000E+00	0,000000E+00	1,241192E+20	1,302959E+21
927	3,667024E+21	6,582656E+21	8,822601E+21	8,822640E+21	6,582707E+21	3,667015E+21	1,302944E+21	1,241187E+20	0,000000E+00	0,000000E+00	1,241863E+20	1,303209E+21
928	3,667303E+21	6,582721E+21	8,822246E+21	8,822000E+21	6,582345E+21	3,667059E+21	1,303075E+21	1,241463E+20	0,000000E+00	0,000000E+00	1,241380E+20	1,303041E+21
929	3,666969E+21	6,582240E+21	8,822055E+21	8,822203E+21	6,582595E+21	3,667226E+21	1,303192E+21	1,242044E+20	0,000000E+00	0,000000E+00	1,241811E+20	1,303068E+21
930	3,667059E+21	6,582424E+21	8,822051E+21	8,821921E+21	6,582104E+21	3,666845E+21	1,303024E+21	1,241726E+20	0,000000E+00	0,000000E+00	1,242306E+20	1,303233E+21
931	3,667062E+21	6,582067E+21	8,821343E+21	8,821269E+21	6,581988E+21	3,667064E+21	1,303284E+21	1,242618E+20	0,000000E+00	0,000000E+00	1,242097E+20	1,303054E+21
932	3,666665E+21	6,581539E+21	8,821165E+21	8,821374E+21	6,582052E+21	3,667035E+21	1,303236E+21	1,242741E+20	0,000000E+00	0,000000E+00	1,242869E+20	1,303265E+21
933	3,666982E+21	6,581735E+21	8,820839E+21	8,820622E+21	6,581291E+21	3,666680E+21	1,303146E+21	1,242574E+20	0,000000E+00	0,000000E+00	1,243026E+20	1,303320E+21
934	3,666860E+21	6,581283E+21	8,820236E+21	8,820337E+21	6,581440E+21	3,666949E+21	1,303387E+21	1,243351E+20	0,000000E+00	0,000000E+00	1,242831E+20	1,303156E+21
935	3,666674E+21	6,581315E+21	8,820564E+21	8,820585E+21	6,581398E+21	3,666733E+21	1,303193E+21	1,243000E+20	0,000000E+00	0,000000E+00	1,243457E+20	1,303394E+21
936	3,666993E+21	6,581539E+21	8,820439E+21	8,820123E+21	6,581003E+21	3,666667E+21	1,303249E+21	1,243030E+20	0,000000E+00	0,000000E+00	1,243030E+20	1,303247E+21
937	3,666683E+21	6,581088E+21	8,820309E+21	8,820559E+21	6,581550E+21	3,666965E+21	1,303382E+21	1,243419E+20	0,000000E+00	0,000000E+00	1,242895E+20	1,303170E+21
938	3,666719E+21	6,581429E+21	8,820704E+21	8,820720E+21	6,581425E+21	3,666697E+21	1,303146E+21	1,242766E+20	0,000000E+00	0,000000E+00	1,243265E+20	1,303368E+21
939	3,666950E+21	6,581515E+21	8,820519E+21	8,820437E+21	6,581460E+21	3,666928E+21	1,303306E+21	1,242890E+20	0,000000E+00	0,000000E+00	1,242476E+20	1,303128E+21
940	3,666662E+21	6,581322E+21	8,820815E+21	8,821113E+21	6,581939E+21	3,667058E+21	1,303274E+21	1,242826E+20	0,000000E+00	0,000000E+00	1,242587E+20	1,303201E+21
941	3,667016E+21	6,581973E+21	8,821210E+21	8,821041E+21	6,581573E+21	3,666726E+21	1,303070E+21	1,242068E+20	0,000000E+00	0,000000E+00	1,242560E+20	1,303256E+21
942	3,667011E+21	6,581898E+21	8,821149E+21	8,821161E+21	6,581933E+21	3,667040E+21	1,303266E+21	1,242475E+20	0,000000E+00	0,000000E+00	1,241834E+20	1,303018E+21
943	3,666766E+21	6,581916E+21	8,821680E+21	8,821802E+21	6,582245E+21	3,666993E+21	1,303103E+21	1,242125E+20	0,000000E+00	0,000000E+00	1,242399E+20	1,303233E+21
944	3,667141E+21	6,582282E+21	8,821730E+21	8,821500E+21	6,581859E+21	3,666836E+21	1,303060E+21	1,241752E+20	0,000000E+00	0,000000E+00	1,242022E+20	1,303165E+21
945	3,666971E+21	6,581924E+21	8,821427E+21	8,821661E+21	6,582287E+21	3,667147E+21	1,303247E+21	1,242380E+20	0,000000E+00	0,000000E+00	1,241860E+20	1,303039E+21
946	3,666893E+21	6,582115E+21	8,821705E+21	8,821701E+21	6,582111E+21	3,666892E+21	1,303049E+21	1,241933E+20	0,000000E+00	0,000000E+00	1,242537E+20	1,303277E+21
947	3,667140E+21	6,582172E+21	8,821409E+21	8,821109E+21	6,581744E+21	3,666929E+21	1,303193E+21	1,242310E+20	0,000000E+00	0,000000E+00	1,242107E+20	1,303101E+21
948	3,666749E+21	6,581557E+21	8,821099E+21	8,821327E+21	6,582039E+21	3,667099E+21	1,303312E+21	1,242914E+20	0,000000E+00	0,000000E+00	1,242576E+20	1,303140E+21
949	3,666852E+21	6,581724E+21	8,820994E+21	8,820893E+21	6,581451E+21	3,666673E+21	1,303116E+21	1,242545E+20	0,000000E+00	0,000000E+00	1,243170E+20	1,303345E+21
950	3,666886E+21	6,581363E+21	8,820283E+21	8,820234E+21	6,581294E+21	3,666861E+21	1,303360E+21	1,243354E+20	0,000000E+00	0,000000E+00	1,242925E+20	1,303170E+21
951	3,666530E+21	6,580896E+21	8,820108E+21	8,820324E+21	6,581375E+21	3,666853E+21	1,303316E+21	1,243463E+20	0,000000E+00	0,000000E+00	1,243671E+20	1,303377E+21
952	3,666860E+21	6,581189E+21	8,819979E+21	8,819702E+21	6,580651E+21	3,666498E+21	1,303226E+21	1,243295E+20	0,000000E+00	0,000000E+00	1,243759E+20	1,303415E+21
953	3,666748E+21	6,580788E+21	8,819444E+21	8,819511E+21	6,580876E+21	3,666796E+21	1,303466E+21	1,244037E+20	0,000000E+00	0,000000E+00	1,243487E+20	1,303218E+21
954	3,666491E+21	6,580745E+21	8,819737E+21	8,819764E+21	6,580857E+21	3,666608E+21	1,303296E+21	1,243760E+20	0,000000E+00	0,000000E+00	1,244127E+20	1,303461E+21
955	3,666809E+21	6,580949E+21	8,819616E+21	8,819368E+21	6,580536E+21	3,666566E+21	1,303347E+21	1,243779E+20	0,000000E+00	0,000000E+00	1,243725E+20	1,303324E+21
956	3,666508E+21	6,580448E+21	8,819369E+21	8,819742E+21	6,581092E+21	3,666882E+21	1,303478E+21	1,244111E+20	0,000000E+00	0,000000E+00	1,243562E+20	1,303257E+21
957	3,666613E+21	6,580903E+21	8,819788E+21	8,819781E+21	6,580835E+21	3,666553E+21	1,303217E+21	1,243371E+20	0,000000E+00	0,000000E+00	1,243948E+20	1,303465E+21
958	3,666864E+21	6,581066E+21	8,819749E+21	8,819598E+21	6,580847E+21	3,666731E+21	1,303358E+21	1,243431E+20	0,000000E+00	0,000000E+00	1,243084E+20	1,303205E+21
959	3,666559E+21	6,580887E+21	8,820085E+21	8,820334E+21	6,581390E+21	3,666897E+21	1,303337E+21	1,243406E+20	0,000000E+00	0,000000E+00	1,243208E+20	1,303271E+21
960	3,666870E+21	6,581522E+21	8,820598E+21	8,820412E+21	6,581095E+21	3,666573E+21	1,303132E+21	1,242665E+20	0,000000E+00	0,000000E+00	1,243174E+20	1,303332E+21

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°
961	3,666880E+21	6,581410E+21	8,820428E+21	8,820491E+21	6,581502E+21	3,666917E+21	1,303325E+21	1,243051E+20	0,000000E+00	0,000000E+00	1,242434E+20	1,303085E+21
962	3,666605E+21	6,581352E+21	8,820821E+21	8,820980E+21	6,581751E+21	3,666898E+21	1,303197E+21	1,242787E+20	0,000000E+00	0,000000E+00	1,243030E+20	1,303312E+21
963	3,667013E+21	6,581757E+21	8,820897E+21	8,820686E+21	6,581346E+21	3,666727E+21	1,303157E+21	1,242473E+20	0,000000E+00	0,000000E+00	1,242678E+20	1,303236E+21
964	3,666823E+21	6,581357E+21	8,820524E+21	8,820796E+21	6,581758E+21	3,667041E+21	1,303357E+21	1,243142E+20	0,000000E+00	0,000000E+00	1,242534E+20	1,303107E+21
965	3,666741E+21	6,581563E+21	8,820810E+21	8,820748E+21	6,581470E+21	3,666733E+21	1,303148E+21	1,242704E+20	0,000000E+00	0,000000E+00	1,243298E+20	1,303360E+21
966	3,666958E+21	6,581561E+21	8,820524E+21	8,820228E+21	6,581091E+21	3,666719E+21	1,303275E+21	1,243076E+20	0,000000E+00	0,000000E+00	1,242914E+20	1,303197E+21
967	3,666562E+21	6,580877E+21	8,820063E+21	8,820359E+21	6,581427E+21	3,666934E+21	1,303398E+21	1,243684E+20	0,000000E+00	0,000000E+00	1,243442E+20	1,303258E+21
968	3,666681E+21	6,581059E+21	8,820007E+21	8,819920E+21	6,580811E+21	3,666502E+21	1,303199E+21	1,243301E+20	0,000000E+00	0,000000E+00	1,244008E+20	1,303472E+21
969	3,666783E+21	6,580775E+21	8,819289E+21	8,819230E+21	6,580641E+21	3,666683E+21	1,303434E+21	1,244056E+20	0,000000E+00	0,000000E+00	1,243676E+20	1,303263E+21
970	3,666393E+21	6,580325E+21	8,819148E+21	8,819302E+21	6,580700E+21	3,666689E+21	1,303420E+21	1,244249E+20	0,000000E+00	0,000000E+00	1,244385E+20	1,303456E+21
971	3,666705E+21	6,580643E+21	8,819137E+21	8,818840E+21	6,580067E+21	3,666353E+21	1,303334E+21	1,244129E+20	0,000000E+00	0,000000E+00	1,244474E+20	1,303478E+21
972	3,666545E+21	6,580159E+21	8,818562E+21	8,818719E+21	6,580383E+21	3,666682E+21	1,303574E+21	1,244832E+20	0,000000E+00	0,000000E+00	1,244198E+20	1,303293E+21
973	3,666316E+21	6,580126E+21	8,818804E+21	8,818864E+21	6,580297E+21	3,666475E+21	1,303383E+21	1,244476E+20	0,000000E+00	0,000000E+00	1,244878E+20	1,303561E+21
974	3,666663E+21	6,580358E+21	8,818723E+21	8,818511E+21	6,579961E+21	3,666401E+21	1,303413E+21	1,244373E+20	0,000000E+00	0,000000E+00	1,244421E+20	1,303423E+21
975	3,666404E+21	6,579934E+21	8,818485E+21	8,818866E+21	6,580543E+21	3,666738E+21	1,303543E+21	1,244679E+20	0,000000E+00	0,000000E+00	1,244214E+20	1,303345E+21
976	3,666500E+21	6,580464E+21	8,819088E+21	8,819016E+21	6,580305E+21	3,666403E+21	1,303281E+21	1,243938E+20	0,000000E+00	0,000000E+00	1,244527E+20	1,303537E+21
977	3,666762E+21	6,580662E+21	8,819103E+21	8,818918E+21	6,580364E+21	3,666585E+21	1,303418E+21	1,243983E+20	0,000000E+00	0,000000E+00	1,243607E+20	1,303252E+21
978	3,666395E+21	6,580400E+21	8,819378E+21	8,819625E+21	6,580907E+21	3,666769E+21	1,303425E+21	1,244072E+20	0,000000E+00	0,000000E+00	1,243789E+20	1,303334E+21
979	3,666707E+21	6,580984E+21	8,819824E+21	8,819716E+21	6,580675E+21	3,666478E+21	1,303223E+21	1,243370E+20	0,000000E+00	0,000000E+00	1,243810E+20	1,303407E+21
980	3,666729E+21	6,580837E+21	8,819553E+21	8,819704E+21	6,581053E+21	3,666830E+21	1,303417E+21	1,243729E+20	0,000000E+00	0,000000E+00	1,243097E+20	1,303175E+21
981	3,666506E+21	6,580841E+21	8,819924E+21	8,820033E+21	6,581140E+21	3,666746E+21	1,303279E+21	1,243456E+20	0,000000E+00	0,000000E+00	1,243738E+20	1,303403E+21
982	3,666897E+21	6,581261E+21	8,820086E+21	8,819821E+21	6,580714E+21	3,666530E+21	1,303228E+21	1,243133E+20	0,000000E+00	0,000000E+00	1,243384E+20	1,303315E+21
983	3,666670E+21	6,580817E+21	8,819666E+21	8,819922E+21	6,581163E+21	3,666874E+21	1,303443E+21	1,243867E+20	0,000000E+00	0,000000E+00	1,243301E+20	1,303188E+21
984	3,666530E+21	6,580943E+21	8,819974E+21	8,819934E+21	6,580904E+21	3,666566E+21	1,303232E+21	1,243456E+20	0,000000E+00	0,000000E+00	1,244075E+20	1,303456E+21
985	3,666781E+21	6,580908E+21	8,819555E+21	8,819327E+21	6,580529E+21	3,666566E+21	1,303353E+21	1,243793E+20	0,000000E+00	0,000000E+00	1,243688E+20	1,303294E+21
986	3,666383E+21	6,580195E+21	8,818991E+21	8,819298E+21	6,580772E+21	3,666789E+21	1,303505E+21	1,244465E+20	0,000000E+00	0,000000E+00	1,244219E+20	1,303366E+21
987	3,666548E+21	6,580446E+21	8,818991E+21	8,818913E+21	6,580184E+21	3,666354E+21	1,303307E+21	1,244125E+20	0,000000E+00	0,000000E+00	1,244771E+20	1,303565E+21
988	3,666642E+21	6,580190E+21	8,818324E+21	8,818253E+21	6,580028E+21	3,666540E+21	1,303541E+21	1,244858E+20	0,000000E+00	0,000000E+00	1,244420E+20	1,303349E+21
989	3,666255E+21	6,579772E+21	8,818250E+21	8,818328E+21	6,580022E+21	3,666502E+21	1,303515E+21	1,245048E+20	0,000000E+00	0,000000E+00	1,245158E+20	1,303546E+21
990	3,666537E+21	6,580055E+21	8,818294E+21	8,818021E+21	6,579466E+21	3,666153E+21	1,303411E+21	1,244869E+20	0,000000E+00	0,000000E+00	1,245259E+20	1,303574E+21
991	3,666377E+21	6,579535E+21	8,817619E+21	8,817846E+21	6,579853E+21	3,666546E+21	1,303654E+21	1,245525E+20	0,000000E+00	0,000000E+00	1,244981E+20	1,303399E+21
992	3,666160E+21	6,579547E+21	8,817960E+21	8,818023E+21	6,579756E+21	3,666340E+21	1,303460E+21	1,245118E+20	0,000000E+00	0,000000E+00	1,245572E+20	1,303661E+21
993	3,666568E+21	6,579872E+21	8,817901E+21	8,817669E+21	6,579419E+21	3,666253E+21	1,303477E+21	1,244940E+20	0,000000E+00	0,000000E+00	1,245002E+20	1,303484E+21
994	3,666265E+21	6,579454E+21	8,817694E+21	8,818006E+21	6,579987E+21	3,666607E+21	1,303635E+21	1,245328E+20	0,000000E+00	0,000000E+00	1,244762E+20	1,303398E+21
995	3,666348E+21	6,579977E+21	8,818374E+21	8,818321E+21	6,579852E+21	3,666283E+21	1,303372E+21	1,244637E+20	0,000000E+00	0,000000E+00	1,245089E+20	1,303581E+21
996	3,666575E+21	6,580104E+21	8,818333E+21	8,818234E+21	6,579952E+21	3,666483E+21	1,303503E+21	1,244653E+20	0,000000E+00	0,000000E+00	1,244206E+20	1,303323E+21

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°
997	3,666249E+21	6,579850E+21	8,818543E+21	8,818802E+21	6,580390E+21	3,666634E+21	1,303499E+21	1,244712E+20	0,000000E+00	0,000000E+00	1,244463E+20	1,303429E+21
998	3,666591E+21	6,580463E+21	8,819022E+21	8,818922E+21	6,580131E+21	3,666314E+21	1,303285E+21	1,243948E+20	0,000000E+00	0,000000E+00	1,244481E+20	1,303502E+21
999	3,666635E+21	6,580357E+21	8,818721E+21	8,818852E+21	6,580513E+21	3,666685E+21	1,303485E+21	1,244325E+20	0,000000E+00	0,000000E+00	1,243789E+20	1,303265E+21
1000	3,666381E+21	6,580388E+21	8,819215E+21	8,819241E+21	6,580590E+21	3,666593E+21	1,303353E+21	1,244086E+20	0,000000E+00	0,000000E+00	1,244394E+20	1,303479E+21
1001	3,666761E+21	6,580774E+21	8,819339E+21	8,819045E+21	6,580181E+21	3,666369E+21	1,303300E+21	1,243785E+20	0,000000E+00	0,000000E+00	1,244039E+20	1,303377E+21
1002	3,666471E+21	6,580207E+21	8,818777E+21	8,819044E+21	6,580606E+21	3,666735E+21	1,303545E+21	1,244643E+20	0,000000E+00	0,000000E+00	1,244041E+20	1,303279E+21
1003	3,666345E+21	6,580262E+21	8,818967E+21	8,819030E+21	6,580382E+21	3,666447E+21	1,303340E+21	1,244284E+20	0,000000E+00	0,000000E+00	1,244854E+20	1,303556E+21
1004	3,666617E+21	6,580230E+21	8,818489E+21	8,818313E+21	6,579932E+21	3,666436E+21	1,303461E+21	1,244601E+20	0,000000E+00	0,000000E+00	1,244489E+20	1,303410E+21
1005	3,666277E+21	6,579605E+21	8,817962E+21	8,818170E+21	6,580016E+21	3,666582E+21	1,303599E+21	1,245262E+20	0,000000E+00	0,000000E+00	1,245029E+20	1,303474E+21
1006	3,666422E+21	6,579893E+21	8,818096E+21	8,817929E+21	6,579464E+21	3,666131E+21	1,303392E+21	1,244903E+20	0,000000E+00	0,000000E+00	1,245565E+20	1,303655E+21
1007	3,666481E+21	6,579616E+21	8,817441E+21	8,817340E+21	6,579405E+21	3,666359E+21	1,303628E+21	1,245635E+20	0,000000E+00	0,000000E+00	1,245237E+20	1,303437E+21
1008	3,666051E+21	6,579159E+21	8,817416E+21	8,817504E+21	6,579468E+21	3,666342E+21	1,303601E+21	1,245808E+20	0,000000E+00	0,000000E+00	1,245919E+20	1,303637E+21
1009	3,666366E+21	6,579428E+21	8,817377E+21	8,817179E+21	6,578965E+21	3,666026E+21	1,303489E+21	1,245546E+20	0,000000E+00	0,000000E+00	1,245959E+20	1,303653E+21
1010	3,666200E+21	6,578907E+21	8,816665E+21	8,816909E+21	6,579294E+21	3,666429E+21	1,303754E+21	1,246225E+20	0,000000E+00	0,000000E+00	1,245641E+20	1,303484E+21
1011	3,666017E+21	6,578960E+21	8,817044E+21	8,817159E+21	6,579252E+21	3,666230E+21	1,303561E+21	1,245841E+20	0,000000E+00	0,000000E+00	1,246173E+20	1,303720E+21
1012	3,666413E+21	6,579335E+21	8,817071E+21	8,816841E+21	6,578918E+21	3,666146E+21	1,303573E+21	1,245615E+20	0,000000E+00	0,000000E+00	1,245596E+20	1,303552E+21
1013	3,666134E+21	6,578960E+21	8,816923E+21	8,817155E+21	6,579385E+21	3,666429E+21	1,303712E+21	1,246001E+20	0,000000E+00	0,000000E+00	1,245402E+20	1,303477E+21
1014	3,666210E+21	6,579465E+21	8,817640E+21	8,817592E+21	6,579331E+21	3,666107E+21	1,303432E+21	1,245253E+20	0,000000E+00	0,000000E+00	1,245771E+20	1,303675E+21
1015	3,666457E+21	6,579587E+21	8,817527E+21	8,817452E+21	6,579473E+21	3,666348E+21	1,303558E+21	1,245228E+20	0,000000E+00	0,000000E+00	1,244918E+20	1,303429E+21
1016	3,666150E+21	6,579393E+21	8,817818E+21	8,818027E+21	6,579875E+21	3,666486E+21	1,303555E+21	1,245268E+20	0,000000E+00	0,000000E+00	1,245108E+20	1,303526E+21
1017	3,666525E+21	6,580050E+21	8,818302E+21	8,818156E+21	6,579630E+21	3,666164E+21	1,303339E+21	1,244485E+20	0,000000E+00	0,000000E+00	1,245046E+20	1,303558E+21
1018	3,666493E+21	6,579889E+21	8,817990E+21	8,818039E+21	6,579975E+21	3,666555E+21	1,303577E+21	1,244997E+20	0,000000E+00	0,000000E+00	1,244394E+20	1,303323E+21
1019	3,666202E+21	6,579819E+21	8,818425E+21	8,818511E+21	6,580136E+21	3,666484E+21	1,303460E+21	1,244861E+20	0,000000E+00	0,000000E+00	1,245032E+20	1,303527E+21
1020	3,666536E+21	6,580116E+21	8,818431E+21	8,818226E+21	6,579712E+21	3,666274E+21	1,303407E+21	1,244565E+20	0,000000E+00	0,000000E+00	1,244768E+20	1,303468E+21
1021	3,666300E+21	6,579538E+21	8,817757E+21	8,818008E+21	6,579956E+21	3,666574E+21	1,303641E+21	1,245421E+20	0,000000E+00	0,000000E+00	1,244846E+20	1,303394E+21
1022	3,666217E+21	6,579632E+21	8,817969E+21	8,818010E+21	6,579698E+21	3,666252E+21	1,303424E+21	1,245022E+20	0,000000E+00	0,000000E+00	1,245665E+20	1,303671E+21
1023	3,666507E+21	6,579649E+21	8,817496E+21	8,817273E+21	6,579258E+21	3,666248E+21	1,303542E+21	1,245350E+20	0,000000E+00	0,000000E+00	1,245312E+20	1,303515E+21
1024	3,666139E+21	6,579084E+21	8,817148E+21	8,817243E+21	6,579356E+21	3,666383E+21	1,303680E+21	1,246015E+20	0,000000E+00	0,000000E+00	1,245791E+20	1,303565E+21
1025	3,666275E+21	6,579344E+21	8,817280E+21	8,817088E+21	6,578879E+21	3,665949E+21	1,303472E+21	1,245662E+20	0,000000E+00	0,000000E+00	1,246294E+20	1,303722E+21
1026	3,666263E+21	6,578953E+21	8,816520E+21	8,816451E+21	6,578854E+21	3,666229E+21	1,303737E+21	1,246450E+20	0,000000E+00	0,000000E+00	1,246015E+20	1,303533E+21
1027	3,665864E+21	6,578453E+21	8,816404E+21	8,816630E+21	6,578989E+21	3,666249E+21	1,303714E+21	1,246624E+20	0,000000E+00	0,000000E+00	1,246655E+20	1,303722E+21
1028	3,666194E+21	6,578768E+21	8,816357E+21	8,816213E+21	6,578422E+21	3,665927E+21	1,303596E+21	1,246293E+20	0,000000E+00	0,000000E+00	1,246677E+20	1,303750E+21
1029	3,666082E+21	6,578341E+21	8,815713E+21	8,815864E+21	6,578606E+21	3,666251E+21	1,303841E+21	1,246928E+20	0,000000E+00	0,000000E+00	1,246324E+20	1,303571E+21
1030	3,665898E+21	6,578448E+21	8,816240E+21	8,816283E+21	6,578617E+21	3,666035E+21	1,303633E+21	1,246501E+20	0,000000E+00	0,000000E+00	1,246835E+20	1,303793E+21
1031	3,666268E+21	6,578815E+21	8,816294E+21	8,816053E+21	6,578379E+21	3,665979E+21	1,303635E+21	1,246245E+20	0,000000E+00	0,000000E+00	1,246284E+20	1,303632E+21
1032	3,665984E+21	6,578474E+21	8,816243E+21	8,816452E+21	6,578894E+21	3,666267E+21	1,303763E+21	1,246582E+20	0,000000E+00	0,000000E+00	1,246047E+20	1,303570E+21

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°
1033	3,666110E+21	6,578994E+21	8,816910E+21	8,816877E+21	6,578884E+21	3,665981E+21	1,303482E+21	1,245773E+20	0,000000E+00	0,000000E+00	1,246351E+20	1,303746E+21
1034	3,666340E+21	6,579111E+21	8,816782E+21	8,816681E+21	6,578996E+21	3,666242E+21	1,303636E+21	1,245801E+20	0,000000E+00	0,000000E+00	1,245493E+20	1,303505E+21
1035	3,666049E+21	6,578922E+21	8,817067E+21	8,817314E+21	6,579460E+21	3,666398E+21	1,303646E+21	1,245917E+20	0,000000E+00	0,000000E+00	1,245639E+20	1,303565E+21
1036	3,666364E+21	6,579554E+21	8,817564E+21	8,817418E+21	6,579185E+21	3,666081E+21	1,303440E+21	1,245166E+20	0,000000E+00	0,000000E+00	1,245630E+20	1,303614E+21
1037	3,666324E+21	6,579333E+21	8,817192E+21	8,817190E+21	6,579385E+21	3,666393E+21	1,303671E+21	1,245745E+20	0,000000E+00	0,000000E+00	1,245092E+20	1,303405E+21
1038	3,666028E+21	6,579181E+21	8,817530E+21	8,817662E+21	6,579569E+21	3,666324E+21	1,303545E+21	1,245597E+20	0,000000E+00	0,000000E+00	1,245816E+20	1,303630E+21
1039	3,666380E+21	6,579462E+21	8,817425E+21	8,817249E+21	6,579117E+21	3,666124E+21	1,303489E+21	1,245299E+20	0,000000E+00	0,000000E+00	1,245622E+20	1,303594E+21
1040	3,666187E+21	6,578986E+21	8,816839E+21	8,816995E+21	6,579265E+21	3,666370E+21	1,303711E+21	1,246131E+20	0,000000E+00	0,000000E+00	1,245644E+20	1,303512E+21
1041	3,666133E+21	6,579120E+21	8,817078E+21	8,817037E+21	6,579039E+21	3,666055E+21	1,303494E+21	1,245727E+20	0,000000E+00	0,000000E+00	1,246380E+20	1,303745E+21
1042	3,666345E+21	6,579086E+21	8,816640E+21	8,816342E+21	6,578617E+21	3,666075E+21	1,303640E+21	1,246153E+20	0,000000E+00	0,000000E+00	1,246067E+20	1,303593E+21
1043	3,665944E+21	6,578424E+21	8,816226E+21	8,816419E+21	6,578845E+21	3,666253E+21	1,303792E+21	1,246883E+20	0,000000E+00	0,000000E+00	1,246527E+20	1,303626E+21
1044	3,666038E+21	6,578622E+21	8,816284E+21	8,816200E+21	6,578390E+21	3,665865E+21	1,303590E+21	1,246503E+20	0,000000E+00	0,000000E+00	1,247085E+20	1,303820E+21
1045	3,666077E+21	6,578237E+21	8,815456E+21	8,815392E+21	6,578193E+21	3,666082E+21	1,303842E+21	1,247247E+20	0,000000E+00	0,000000E+00	1,246826E+20	1,303647E+21
1046	3,665730E+21	6,577804E+21	8,815382E+21	8,815617E+21	6,578327E+21	3,666081E+21	1,303804E+21	1,247345E+20	0,000000E+00	0,000000E+00	1,247416E+20	1,303821E+21
1047	3,666070E+21	6,578201E+21	8,815405E+21	8,815216E+21	6,577787E+21	3,665762E+21	1,303674E+21	1,246972E+20	0,000000E+00	0,000000E+00	1,247420E+20	1,303841E+21
1048	3,665959E+21	6,577883E+21	8,814976E+21	8,814998E+21	6,577966E+21	3,666047E+21	1,303899E+21	1,247554E+20	0,000000E+00	0,000000E+00	1,246977E+20	1,303655E+21
1049	3,665787E+21	6,577992E+21	8,815539E+21	8,815557E+21	6,578094E+21	3,665859E+21	1,303684E+21	1,247098E+20	0,000000E+00	0,000000E+00	1,247429E+20	1,303853E+21
1050	3,666108E+21	6,578289E+21	8,815552E+21	8,815343E+21	6,577925E+21	3,665858E+21	1,303709E+21	1,246871E+20	0,000000E+00	0,000000E+00	1,246916E+20	1,303720E+21
1051	3,665864E+21	6,577939E+21	8,815455E+21	8,815777E+21	6,578513E+21	3,666188E+21	1,303847E+21	1,247225E+20	0,000000E+00	0,000000E+00	1,246623E+20	1,303636E+21
1052	3,665988E+21	6,578505E+21	8,816134E+21	8,816127E+21	6,578460E+21	3,665916E+21	1,303576E+21	1,246398E+20	0,000000E+00	0,000000E+00	1,246926E+20	1,303815E+21
1053	3,666224E+21	6,578641E+21	8,816023E+21	8,815837E+21	6,578421E+21	3,666101E+21	1,303720E+21	1,246448E+20	0,000000E+00	0,000000E+00	1,246090E+20	1,303570E+21
1054	3,665914E+21	6,578426E+21	8,816330E+21	8,816549E+21	6,578914E+21	3,666250E+21	1,303728E+21	1,246578E+20	0,000000E+00	0,000000E+00	1,246281E+20	1,303621E+21
1055	3,666175E+21	6,578967E+21	8,816733E+21	8,816625E+21	6,578673E+21	3,665946E+21	1,303520E+21	1,245857E+20	0,000000E+00	0,000000E+00	1,246357E+20	1,303694E+21
1056	3,666146E+21	6,578759E+21	8,816365E+21	8,816361E+21	6,578821E+21	3,666227E+21	1,303736E+21	1,246410E+20	0,000000E+00	0,000000E+00	1,245840E+20	1,303516E+21
1057	3,665917E+21	6,578618E+21	8,816622E+21	8,816759E+21	6,578987E+21	3,666161E+21	1,303609E+21	1,246234E+20	0,000000E+00	0,000000E+00	1,246520E+20	1,303721E+21
1058	3,666250E+21	6,578885E+21	8,816490E+21	8,816288E+21	6,578499E+21	3,665969E+21	1,303576E+21	1,246012E+20	0,000000E+00	0,000000E+00	1,246358E+20	1,303697E+21
1059	3,666077E+21	6,578430E+21	8,815936E+21	8,816120E+21	6,578712E+21	3,666228E+21	1,303806E+21	1,246899E+20	0,000000E+00	0,000000E+00	1,246333E+20	1,303577E+21
1060	3,665965E+21	6,578554E+21	8,816215E+21	8,816150E+21	6,578471E+21	3,665934E+21	1,303606E+21	1,246543E+20	0,000000E+00	0,000000E+00	1,247114E+20	1,303822E+21
1061	3,666151E+21	6,578437E+21	8,815712E+21	8,815396E+21	6,577961E+21	3,665899E+21	1,303745E+21	1,247011E+20	0,000000E+00	0,000000E+00	1,246894E+20	1,303692E+21
1062	3,665761E+21	6,577725E+21	8,815213E+21	8,815472E+21	6,578238E+21	3,666103E+21	1,303892E+21	1,247697E+20	0,000000E+00	0,000000E+00	1,247389E+20	1,303734E+21
1063	3,665860E+21	6,577913E+21	8,815192E+21	8,815154E+21	6,577762E+21	3,665728E+21	1,303688E+21	1,247289E+20	0,000000E+00	0,000000E+00	1,247956E+20	1,303938E+21
1064	3,665950E+21	6,577666E+21	8,814505E+21	8,814361E+21	6,577483E+21	3,665882E+21	1,303916E+21	1,247947E+20	0,000000E+00	0,000000E+00	1,247601E+20	1,303758E+21
1065	3,665639E+21	6,577300E+21	8,814502E+21	8,814664E+21	6,577669E+21	3,665885E+21	1,303868E+21	1,248000E+20	0,000000E+00	0,000000E+00	1,248060E+20	1,303881E+21
1066	3,665905E+21	6,577669E+21	8,814604E+21	8,814372E+21	6,577200E+21	3,665601E+21	1,303759E+21	1,247673E+20	0,000000E+00	0,000000E+00	1,248076E+20	1,303912E+21
1067	3,665795E+21	6,577315E+21	8,814187E+21	8,814317E+21	6,577531E+21	3,665922E+21	1,303983E+21	1,248262E+20	0,000000E+00	0,000000E+00	1,247577E+20	1,303709E+21
1068	3,665606E+21	6,577426E+21	8,814736E+21	8,814835E+21	6,577687E+21	3,665793E+21	1,303780E+21	1,247779E+20	0,000000E+00	0,000000E+00	1,248061E+20	1,303935E+21

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°
1069	3,665967E+21	6,577730E+21	8,814713E+21	8,814519E+21	6,577392E+21	3,665735E+21	1,303793E+21	1,247518E+20	0,000000E+00	0,000000E+00	1,247557E+20	1,303809E+21
1070	3,665766E+21	6,577441E+21	8,814651E+21	8,814983E+21	6,577995E+21	3,666064E+21	1,303925E+21	1,247829E+20	0,000000E+00	0,000000E+00	1,247243E+20	1,303705E+21
1071	3,665863E+21	6,578025E+21	8,815354E+21	8,815324E+21	6,577952E+21	3,665804E+21	1,303655E+21	1,247010E+20	0,000000E+00	0,000000E+00	1,247561E+20	1,303879E+21
1072	3,666087E+21	6,578216E+21	8,815360E+21	8,815083E+21	6,577844E+21	3,665923E+21	1,303781E+21	1,247049E+20	0,000000E+00	0,000000E+00	1,246726E+20	1,303648E+21
1073	3,665785E+21	6,577931E+21	8,815569E+21	8,815811E+21	6,578404E+21	3,666088E+21	1,303785E+21	1,247184E+20	0,000000E+00	0,000000E+00	1,246919E+20	1,303689E+21
1074	3,665999E+21	6,578374E+21	8,815873E+21	8,815823E+21	6,578170E+21	3,665818E+21	1,303597E+21	1,246515E+20	0,000000E+00	0,000000E+00	1,247083E+20	1,303802E+21
1075	3,666031E+21	6,578168E+21	8,815435E+21	8,815525E+21	6,578311E+21	3,666098E+21	1,303818E+21	1,247108E+20	0,000000E+00	0,000000E+00	1,246530E+20	1,303605E+21
1076	3,665804E+21	6,578093E+21	8,815725E+21	8,815838E+21	6,578413E+21	3,666042E+21	1,303709E+21	1,246954E+20	0,000000E+00	0,000000E+00	1,247219E+20	1,303810E+21
1077	3,666122E+21	6,578347E+21	8,815608E+21	8,815315E+21	6,577809E+21	3,665781E+21	1,303670E+21	1,246798E+20	0,000000E+00	0,000000E+00	1,247093E+20	1,303778E+21
1078	3,665921E+21	6,577854E+21	8,815070E+21	8,815228E+21	6,578077E+21	3,666056E+21	1,303903E+21	1,247696E+20	0,000000E+00	0,000000E+00	1,247118E+20	1,303650E+21
1079	3,665747E+21	6,577875E+21	8,815247E+21	8,815239E+21	6,577892E+21	3,665797E+21	1,303710E+21	1,247376E+20	0,000000E+00	0,000000E+00	1,247962E+20	1,303915E+21
1080	3,665952E+21	6,577783E+21	8,814741E+21	8,814439E+21	6,577323E+21	3,665727E+21	1,303830E+21	1,247782E+20	0,000000E+00	0,000000E+00	1,247754E+20	1,303813E+21
1081	3,665631E+21	6,577092E+21	8,814182E+21	8,814471E+21	6,577606E+21	3,665938E+21	1,303970E+21	1,248403E+20	0,000000E+00	0,000000E+00	1,248145E+20	1,303826E+21
1082	3,665700E+21	6,577285E+21	8,814193E+21	8,814157E+21	6,577125E+21	3,665573E+21	1,303784E+21	1,248030E+20	0,000000E+00	0,000000E+00	1,248698E+20	1,304035E+21
1083	3,665818E+21	6,577084E+21	8,813590E+21	8,813485E+21	6,576913E+21	3,665731E+21	1,304011E+21	1,248697E+20	0,000000E+00	0,000000E+00	1,248248E+20	1,303818E+21
1084	3,665472E+21	6,576761E+21	8,813685E+21	8,813827E+21	6,577114E+21	3,665758E+21	1,303973E+21	1,248759E+20	0,000000E+00	0,000000E+00	1,248716E+20	1,303952E+21
1085	3,665720E+21	6,577069E+21	8,813750E+21	8,813535E+21	6,576626E+21	3,665439E+21	1,303849E+21	1,248433E+20	0,000000E+00	0,000000E+00	1,248788E+20	1,304003E+21
1086	3,665653E+21	6,576741E+21	8,813326E+21	8,813512E+21	6,577025E+21	3,665796E+21	1,304061E+21	1,248933E+20	0,000000E+00	0,000000E+00	1,248303E+20	1,303806E+21
1087	3,665482E+21	6,576877E+21	8,813848E+21	8,813969E+21	6,577169E+21	3,665686E+21	1,303865E+21	1,248430E+20	0,000000E+00	0,000000E+00	1,248769E+20	1,304029E+21
1088	3,665878E+21	6,577309E+21	8,813972E+21	8,813708E+21	6,576815E+21	3,665564E+21	1,303849E+21	1,248076E+20	0,000000E+00	0,000000E+00	1,248189E+20	1,303896E+21
1089	3,665691E+21	6,577053E+21	8,813958E+21	8,814232E+21	6,577460E+21	3,665897E+21	1,303975E+21	1,248364E+20	0,000000E+00	0,000000E+00	1,247784E+20	1,303747E+21
1090	3,665683E+21	6,577523E+21	8,814644E+21	8,814619E+21	6,577465E+21	3,665670E+21	1,303732E+21	1,247621E+20	0,000000E+00	0,000000E+00	1,248153E+20	1,303938E+21
1091	3,665910E+21	6,577644E+21	8,814585E+21	8,814446E+21	6,577444E+21	3,665811E+21	1,303859E+21	1,247696E+20	0,000000E+00	0,000000E+00	1,247317E+20	1,303709E+21
1092	3,665617E+21	6,577374E+21	8,814724E+21	8,815021E+21	6,577946E+21	3,666007E+21	1,303881E+21	1,247850E+20	0,000000E+00	0,000000E+00	1,247578E+20	1,303780E+21
1093	3,665858E+21	6,577792E+21	8,814951E+21	8,814896E+21	6,577569E+21	3,665672E+21	1,303688E+21	1,247215E+20	0,000000E+00	0,000000E+00	1,247784E+20	1,303904E+21
1094	3,665938E+21	6,577657E+21	8,814553E+21	8,814609E+21	6,577706E+21	3,665940E+21	1,303899E+21	1,247796E+20	0,000000E+00	0,000000E+00	1,247251E+20	1,303688E+21
1095	3,665666E+21	6,577564E+21	8,814852E+21	8,814914E+21	6,577798E+21	3,665890E+21	1,303804E+21	1,247705E+20	0,000000E+00	0,000000E+00	1,247964E+20	1,303886E+21
1096	3,665961E+21	6,577835E+21	8,814817E+21	8,814460E+21	6,577158E+21	3,665573E+21	1,303747E+21	1,247553E+20	0,000000E+00	0,000000E+00	1,247879E+20	1,303873E+21
1097	3,665759E+21	6,577257E+21	8,814171E+21	8,814369E+21	6,577496E+21	3,665879E+21	1,303979E+21	1,248442E+20	0,000000E+00	0,000000E+00	1,247903E+20	1,303736E+21
1098	3,665532E+21	6,577166E+21	8,814228E+21	8,814300E+21	6,577322E+21	3,665672E+21	1,303815E+21	1,248173E+20	0,000000E+00	0,000000E+00	1,248799E+20	1,304031E+21
1099	3,665799E+21	6,577095E+21	8,813682E+21	8,813488E+21	6,576747E+21	3,665594E+21	1,303937E+21	1,248587E+20	0,000000E+00	0,000000E+00	1,248531E+20	1,303910E+21
1100	3,665491E+21	6,576501E+21	8,813177E+21	8,813442E+21	6,576973E+21	3,665806E+21	1,304083E+21	1,249194E+20	0,000000E+00	0,000000E+00	1,248887E+20	1,303916E+21
1101	3,665535E+21	6,576670E+21	8,813226E+21	8,813129E+21	6,576416E+21	3,665381E+21	1,303885E+21	1,248853E+20	0,000000E+00	0,000000E+00	1,249441E+20	1,304119E+21
1102	3,665655E+21	6,576487E+21	8,812686E+21	8,812575E+21	6,576288E+21	3,665554E+21	1,304099E+21	1,249466E+20	0,000000E+00	0,000000E+00	1,249002E+20	1,303896E+21
1103	3,665278E+21	6,576130E+21	8,812772E+21	8,812961E+21	6,576563E+21	3,665618E+21	1,304065E+21	1,249518E+20	0,000000E+00	0,000000E+00	1,249481E+20	1,304046E+21
1104	3,665576E+21	6,576531E+21	8,812910E+21	8,812689E+21	6,576051E+21	3,665270E+21	1,303913E+21	1,249078E+20	0,000000E+00	0,000000E+00	1,249528E+20	1,304116E+21

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°
1105	3,665569E+21	6,576260E+21	8,812504E+21	8,812691E+21	6,576493E+21	3,665643E+21	1,304115E+21	1,249482E+20	0,000000E+00	0,000000E+00	1,248918E+20	1,303882E+21
1106	3,665361E+21	6,576405E+21	8,813084E+21	8,813193E+21	6,576678E+21	3,665568E+21	1,303939E+21	1,249001E+20	0,000000E+00	0,000000E+00	1,249352E+20	1,304098E+21
1107	3,665759E+21	6,576845E+21	8,813271E+21	8,813046E+21	6,576379E+21	3,665446E+21	1,303925E+21	1,248666E+20	0,000000E+00	0,000000E+00	1,248698E+20	1,303935E+21
1108	3,665532E+21	6,576599E+21	8,813276E+21	8,813547E+21	6,577018E+21	3,665798E+21	1,304065E+21	1,248999E+20	0,000000E+00	0,000000E+00	1,248343E+20	1,303803E+21
1109	3,665488E+21	6,576934E+21	8,813833E+21	8,813863E+21	6,576972E+21	3,665534E+21	1,303817E+21	1,248309E+20	0,000000E+00	0,000000E+00	1,248799E+20	1,304022E+21
1110	3,665766E+21	6,577072E+21	8,813712E+21	8,813617E+21	6,576941E+21	3,665690E+21	1,303938E+21	1,248354E+20	0,000000E+00	0,000000E+00	1,248028E+20	1,303807E+21
1111	3,665497E+21	6,576829E+21	8,813824E+21	8,814100E+21	6,577369E+21	3,665874E+21	1,303971E+21	1,248539E+20	0,000000E+00	0,000000E+00	1,248307E+20	1,303878E+21
1112	3,665770E+21	6,577358E+21	8,814154E+21	8,813988E+21	6,576916E+21	3,665470E+21	1,303752E+21	1,247867E+20	0,000000E+00	0,000000E+00	1,248495E+20	1,304002E+21
1113	3,665845E+21	6,577215E+21	8,813790E+21	8,813768E+21	6,577102E+21	3,665743E+21	1,303958E+21	1,248445E+20	0,000000E+00	0,000000E+00	1,247926E+20	1,303749E+21
1114	3,665472E+21	6,576982E+21	8,814030E+21	8,814112E+21	6,577256E+21	3,665739E+21	1,303895E+21	1,248449E+20	0,000000E+00	0,000000E+00	1,248703E+20	1,303966E+21
1115	3,665757E+21	6,577154E+21	8,813894E+21	8,813693E+21	6,576688E+21	3,665450E+21	1,303846E+21	1,248346E+20	0,000000E+00	0,000000E+00	1,248632E+20	1,303956E+21
1116	3,665566E+21	6,576595E+21	8,813170E+21	8,813421E+21	6,576950E+21	3,665785E+21	1,304098E+21	1,249242E+20	0,000000E+00	0,000000E+00	1,248701E+20	1,303842E+21
1117	3,665348E+21	6,576444E+21	8,813129E+21	8,813230E+21	6,576651E+21	3,665518E+21	1,303931E+21	1,249012E+20	0,000000E+00	0,000000E+00	1,249594E+20	1,304138E+21
1118	3,665666E+21	6,576477E+21	8,812647E+21	8,812420E+21	6,576074E+21	3,665431E+21	1,304037E+21	1,249384E+20	0,000000E+00	0,000000E+00	1,249334E+20	1,304004E+21
1119	3,665335E+21	6,575909E+21	8,812207E+21	8,812389E+21	6,576272E+21	3,665629E+21	1,304188E+21	1,250011E+20	0,000000E+00	0,000000E+00	1,249667E+20	1,304003E+21
1120	3,665381E+21	6,576127E+21	8,812367E+21	8,812200E+21	6,575733E+21	3,665157E+21	1,303958E+21	1,249610E+20	0,000000E+00	0,000000E+00	1,250229E+20	1,304225E+21
1121	3,665524E+21	6,575935E+21	8,811835E+21	8,811737E+21	6,575719E+21	3,665359E+21	1,304150E+21	1,250121E+20	0,000000E+00	0,000000E+00	1,249741E+20	1,303989E+21
1122	3,665122E+21	6,575535E+21	8,811885E+21	8,812116E+21	6,576040E+21	3,665486E+21	1,304144E+21	1,250184E+20	0,000000E+00	0,000000E+00	1,250203E+20	1,304152E+21
1123	3,665468E+21	6,575987E+21	8,812076E+21	8,811935E+21	6,575589E+21	3,665156E+21	1,303995E+21	1,249716E+20	0,000000E+00	0,000000E+00	1,250134E+20	1,304184E+21
1124	3,665456E+21	6,575825E+21	8,811774E+21	8,811907E+21	6,576004E+21	3,665542E+21	1,304206E+21	1,250107E+20	0,000000E+00	0,000000E+00	1,249476E+20	1,303935E+21
1125	3,665184E+21	6,575872E+21	8,812327E+21	8,812410E+21	6,576146E+21	3,665433E+21	1,304033E+21	1,249687E+20	0,000000E+00	0,000000E+00	1,249909E+20	1,304142E+21
1126	3,665576E+21	6,576301E+21	8,812507E+21	8,812308E+21	6,575914E+21	3,665328E+21	1,304008E+21	1,249325E+20	0,000000E+00	0,000000E+00	1,249321E+20	1,303991E+21
1127	3,665335E+21	6,576003E+21	8,812427E+21	8,812736E+21	6,576536E+21	3,665687E+21	1,304153E+21	1,249679E+20	0,000000E+00	0,000000E+00	1,249021E+20	1,303890E+21
1128	3,665361E+21	6,576411E+21	8,812994E+21	8,813013E+21	6,576412E+21	3,665370E+21	1,303878E+21	1,248914E+20	0,000000E+00	0,000000E+00	1,249501E+20	1,304136E+21
1129	3,665701E+21	6,576609E+21	8,812905E+21	8,812776E+21	6,576380E+21	3,665508E+21	1,303983E+21	1,248905E+20	0,000000E+00	0,000000E+00	1,248675E+20	1,303895E+21
1130	3,665392E+21	6,576360E+21	8,813053E+21	8,813275E+21	6,576819E+21	3,665719E+21	1,304043E+21	1,249163E+20	0,000000E+00	0,000000E+00	1,248968E+20	1,303962E+21
1131	3,665648E+21	6,576863E+21	8,813425E+21	8,813268E+21	6,576420E+21	3,665328E+21	1,303836E+21	1,248560E+20	0,000000E+00	0,000000E+00	1,249122E+20	1,304060E+21
1132	3,665675E+21	6,576694E+21	8,813028E+21	8,812993E+21	6,576599E+21	3,665622E+21	1,304060E+21	1,249199E+20	0,000000E+00	0,000000E+00	1,248646E+20	1,303828E+21
1133	3,665254E+21	6,576279E+21	8,813058E+21	8,813215E+21	6,576703E+21	3,665607E+21	1,304005E+21	1,249280E+20	0,000000E+00	0,000000E+00	1,249492E+20	1,304066E+21
1134	3,665588E+21	6,576465E+21	8,812826E+21	8,812666E+21	6,576102E+21	3,665331E+21	1,303954E+21	1,249167E+20	0,000000E+00	0,000000E+00	1,249492E+20	1,304069E+21
1135	3,665413E+21	6,575936E+21	8,812090E+21	8,812300E+21	6,576261E+21	3,665634E+21	1,304212E+21	1,250076E+20	0,000000E+00	0,000000E+00	1,249543E+20	1,303954E+21
1136	3,665236E+21	6,575888E+21	8,812155E+21	8,812142E+21	6,575888E+21	3,665283E+21	1,304010E+21	1,249790E+20	0,000000E+00	0,000000E+00	1,250400E+20	1,304243E+21
1137	3,665539E+21	6,575925E+21	8,811749E+21	8,811441E+21	6,575373E+21	3,665196E+21	1,304101E+21	1,250112E+20	0,000000E+00	0,000000E+00	1,250087E+20	1,304081E+21
1138	3,665140E+21	6,575287E+21	8,811324E+21	8,811514E+21	6,575673E+21	3,665444E+21	1,304269E+21	1,250763E+20	0,000000E+00	0,000000E+00	1,250429E+20	1,304096E+21
1139	3,665202E+21	6,575480E+21	8,811481E+21	8,811416E+21	6,575246E+21	3,665026E+21	1,304045E+21	1,250354E+20	0,000000E+00	0,000000E+00	1,250939E+20	1,304308E+21
1140	3,665371E+21	6,575367E+21	8,810976E+21	8,810895E+21	6,575224E+21	3,665266E+21	1,304248E+21	1,250812E+20	0,000000E+00	0,000000E+00	1,250429E+20	1,304077E+21

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°
1141	3,664968E+21	6,574932E+21	8,810980E+21	8,811241E+21	6,575498E+21	3,665364E+21	1,304245E+21	1,250902E+20	0,000000E+00	0,000000E+00	1,250828E+20	1,304224E+21
1142	3,665340E+21	6,575471E+21	8,811239E+21	8,811081E+21	6,575088E+21	3,665052E+21	1,304087E+21	1,250389E+20	0,000000E+00	0,000000E+00	1,250758E+20	1,304239E+21
1143	3,665286E+21	6,575302E+21	8,811003E+21	8,811078E+21	6,575466E+21	3,665419E+21	1,304303E+21	1,250795E+20	0,000000E+00	0,000000E+00	1,250091E+20	1,303997E+21
1144	3,665030E+21	6,575358E+21	8,811571E+21	8,811636E+21	6,575596E+21	3,665252E+21	1,304094E+21	1,250319E+20	0,000000E+00	0,000000E+00	1,250567E+20	1,304229E+21
1145	3,665446E+21	6,575775E+21	8,811720E+21	8,811547E+21	6,575421E+21	3,665162E+21	1,304050E+21	1,249876E+20	0,000000E+00	0,000000E+00	1,249984E+20	1,304086E+21
1146	3,665221E+21	6,575481E+21	8,811610E+21	8,811919E+21	6,576022E+21	3,665547E+21	1,304214E+21	1,250255E+20	0,000000E+00	0,000000E+00	1,249707E+20	1,304003E+21
1147	3,665297E+21	6,575944E+21	8,812237E+21	8,812259E+21	6,575923E+21	3,665235E+21	1,303947E+21	1,249509E+20	0,000000E+00	0,000000E+00	1,250103E+20	1,304214E+21
1148	3,665623E+21	6,576226E+21	8,812237E+21	8,812008E+21	6,575865E+21	3,665376E+21	1,304060E+21	1,249527E+20	0,000000E+00	0,000000E+00	1,249279E+20	1,303958E+21
1149	3,665227E+21	6,575823E+21	8,812288E+21	8,812488E+21	6,576277E+21	3,665572E+21	1,304137E+21	1,249901E+20	0,000000E+00	0,000000E+00	1,249597E+20	1,304017E+21
1150	3,665459E+21	6,576268E+21	8,812584E+21	8,812464E+21	6,575944E+21	3,665220E+21	1,303935E+21	1,249331E+20	0,000000E+00	0,000000E+00	1,249852E+20	1,304128E+21
1151	3,665459E+21	6,576016E+21	8,812069E+21	8,812058E+21	6,576042E+21	3,665511E+21	1,304174E+21	1,250020E+20	0,000000E+00	0,000000E+00	1,249455E+20	1,303932E+21
1152	3,665102E+21	6,575625E+21	8,812026E+21	8,812182E+21	6,576043E+21	3,665433E+21	1,304094E+21	1,250044E+20	0,000000E+00	0,000000E+00	1,250316E+20	1,304185E+21
1153	3,665475E+21	6,575869E+21	8,811832E+21	8,811634E+21	6,575426E+21	3,665128E+21	1,304023E+21	1,249873E+20	0,000000E+00	0,000000E+00	1,250283E+20	1,304172E+21
1154	3,665276E+21	6,575350E+21	8,811135E+21	8,811266E+21	6,575566E+21	3,665437E+21	1,304296E+21	1,250822E+20	0,000000E+00	0,000000E+00	1,250322E+20	1,304053E+21
1155	3,665087E+21	6,575293E+21	8,811287E+21	8,811261E+21	6,575270E+21	3,665102E+21	1,304100E+21	1,250576E+20	0,000000E+00	0,000000E+00	1,251113E+20	1,304315E+21
1156	3,665363E+21	6,575344E+21	8,810912E+21	8,810595E+21	6,574805E+21	3,665038E+21	1,304195E+21	1,250900E+20	0,000000E+00	0,000000E+00	1,250848E+20	1,304165E+21
1157	3,664929E+21	6,574576E+21	8,810340E+21	8,810610E+21	6,575112E+21	3,665304E+21	1,304371E+21	1,251586E+20	0,000000E+00	0,000000E+00	1,251194E+20	1,304194E+21
1158	3,665051E+21	6,574842E+21	8,810483E+21	8,810456E+21	6,574717E+21	3,664933E+21	1,304152E+21	1,251142E+20	0,000000E+00	0,000000E+00	1,251720E+20	1,304402E+21
1159	3,665225E+21	6,574781E+21	8,810046E+21	8,809923E+21	6,574628E+21	3,665146E+21	1,304356E+21	1,251563E+20	0,000000E+00	0,000000E+00	1,251153E+20	1,304167E+21
1160	3,664860E+21	6,574432E+21	8,810142E+21	8,810330E+21	6,574866E+21	3,665179E+21	1,304316E+21	1,251571E+20	0,000000E+00	0,000000E+00	1,251494E+20	1,304298E+21
1161	3,665205E+21	6,574971E+21	8,810477E+21	8,810287E+21	6,574527E+21	3,664864E+21	1,304138E+21	1,250977E+20	0,000000E+00	0,000000E+00	1,251392E+20	1,304301E+21
1162	3,665106E+21	6,574742E+21	8,810228E+21	8,810325E+21	6,574958E+21	3,665266E+21	1,304363E+21	1,251391E+20	0,000000E+00	0,000000E+00	1,250747E+20	1,304086E+21
1163	3,664892E+21	6,574797E+21	8,810791E+21	8,810931E+21	6,575156E+21	3,665137E+21	1,304160E+21	1,250907E+20	0,000000E+00	0,000000E+00	1,251174E+20	1,304312E+21
1164	3,665348E+21	6,575312E+21	8,810978E+21	8,810793E+21	6,574952E+21	3,665057E+21	1,304122E+21	1,250439E+20	0,000000E+00	0,000000E+00	1,250588E+20	1,304172E+21
1165	3,665118E+21	6,574991E+21	8,810827E+21	8,811127E+21	6,575507E+21	3,665414E+21	1,304293E+21	1,250886E+20	0,000000E+00	0,000000E+00	1,250284E+20	1,304074E+21
1166	3,665206E+21	6,575514E+21	8,811492E+21	8,811450E+21	6,575436E+21	3,665137E+21	1,304038E+21	1,250183E+20	0,000000E+00	0,000000E+00	1,250711E+20	1,304265E+21
1167	3,665457E+21	6,575725E+21	8,811515E+21	8,811228E+21	6,575334E+21	3,665255E+21	1,304162E+21	1,250265E+20	0,000000E+00	0,000000E+00	1,249941E+20	1,304025E+21
1168	3,665070E+21	6,575266E+21	8,811474E+21	8,811683E+21	6,575717E+21	3,665396E+21	1,304211E+21	1,250619E+20	0,000000E+00	0,000000E+00	1,250335E+20	1,304104E+21
1169	3,665291E+21	6,575639E+21	8,811658E+21	8,811585E+21	6,575390E+21	3,665059E+21	1,304002E+21	1,250016E+20	0,000000E+00	0,000000E+00	1,250637E+20	1,304231E+21
1170	3,665303E+21	6,575370E+21	8,811079E+21	8,811073E+21	6,575416E+21	3,665359E+21	1,304260E+21	1,250744E+20	0,000000E+00	0,000000E+00	1,250278E+20	1,304055E+21
1171	3,664992E+21	6,575028E+21	8,811076E+21	8,811221E+21	6,575411E+21	3,665269E+21	1,304185E+21	1,250791E+20	0,000000E+00	0,000000E+00	1,251048E+20	1,304271E+21
1172	3,665344E+21	6,575339E+21	8,810965E+21	8,810679E+21	6,574779E+21	3,664959E+21	1,304117E+21	1,250647E+20	0,000000E+00	0,000000E+00	1,251021E+20	1,304246E+21
1173	3,665076E+21	6,574691E+21	8,810196E+21	8,810330E+21	6,574918E+21	3,665250E+21	1,304395E+21	1,251669E+20	0,000000E+00	0,000000E+00	1,251066E+20	1,304126E+21
1174	3,664890E+21	6,574620E+21	8,810298E+21	8,810323E+21	6,574714E+21	3,664977E+21	1,304208E+21	1,251438E+20	0,000000E+00	0,000000E+00	1,251920E+20	1,304398E+21
1175	3,665152E+21	6,574640E+21	8,809908E+21	8,809630E+21	6,574218E+21	3,664920E+21	1,304309E+21	1,251740E+20	0,000000E+00	0,000000E+00	1,251681E+20	1,304278E+21
1176	3,664804E+21	6,573953E+21	8,809339E+21	8,809614E+21	6,574467E+21	3,665131E+21	1,304454E+21	1,252319E+20	0,000000E+00	0,000000E+00	1,251981E+20	1,304304E+21

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°
1177	3,664946E+21	6,574302E+21	8,809575E+21	8,809518E+21	6,574110E+21	3,664763E+21	1,304219E+21	1,251789E+20	0,000000E+00	0,000000E+00	1,252440E+20	1,304489E+21
1178	3,665093E+21	6,574262E+21	8,809222E+21	8,809042E+21	6,574028E+21	3,664988E+21	1,304430E+21	1,252196E+20	0,000000E+00	0,000000E+00	1,251834E+20	1,304253E+21
1179	3,664724E+21	6,573911E+21	8,809400E+21	8,809599E+21	6,574348E+21	3,665029E+21	1,304390E+21	1,252209E+20	0,000000E+00	0,000000E+00	1,252088E+20	1,304357E+21
1180	3,665049E+21	6,574465E+21	8,809754E+21	8,809587E+21	6,574063E+21	3,664736E+21	1,304208E+21	1,251588E+20	0,000000E+00	0,000000E+00	1,252018E+20	1,304376E+21
1181	3,664941E+21	6,574147E+21	8,809373E+21	8,809541E+21	6,574469E+21	3,665141E+21	1,304440E+21	1,252037E+20	0,000000E+00	0,000000E+00	1,251366E+20	1,304175E+21
1182	3,664800E+21	6,574309E+21	8,809950E+21	8,810094E+21	6,574684E+21	3,665056E+21	1,304250E+21	1,251563E+20	0,000000E+00	0,000000E+00	1,251810E+20	1,304389E+21
1183	3,665244E+21	6,574864E+21	8,810233E+21	8,809980E+21	6,574413E+21	3,664936E+21	1,304214E+21	1,251108E+20	0,000000E+00	0,000000E+00	1,251201E+20	1,304246E+21
1184	3,665029E+21	6,574569E+21	8,810111E+21	8,810333E+21	6,574927E+21	3,665234E+21	1,304357E+21	1,251522E+20	0,000000E+00	0,000000E+00	1,250901E+20	1,304134E+21
1185	3,665057E+21	6,575029E+21	8,810782E+21	8,810731E+21	6,574924E+21	3,664971E+21	1,304097E+21	1,250800E+20	0,000000E+00	0,000000E+00	1,251360E+20	1,304322E+21
1186	3,665257E+21	6,575125E+21	8,810694E+21	8,810460E+21	6,574824E+21	3,665115E+21	1,304234E+21	1,250931E+20	0,000000E+00	0,000000E+00	1,250681E+20	1,304121E+21
1187	3,664904E+21	6,574629E+21	8,810571E+21	8,810870E+21	6,575212E+21	3,665281E+21	1,304296E+21	1,251305E+20	0,000000E+00	0,000000E+00	1,251050E+20	1,304194E+21
1188	3,665149E+21	6,575056E+21	8,810748E+21	8,810687E+21	6,574824E+21	3,664931E+21	1,304093E+21	1,250715E+20	0,000000E+00	0,000000E+00	1,251369E+20	1,304324E+21
1189	3,665149E+21	6,574736E+21	8,810085E+21	8,810086E+21	6,574770E+21	3,665195E+21	1,304358E+21	1,251526E+20	0,000000E+00	0,000000E+00	1,251007E+20	1,304143E+21
1190	3,664859E+21	6,574463E+21	8,810111E+21	8,810204E+21	6,574780E+21	3,665136E+21	1,304296E+21	1,251624E+20	0,000000E+00	0,000000E+00	1,251805E+20	1,304343E+21
1191	3,665148E+21	6,574713E+21	8,810042E+21	8,809721E+21	6,574122E+21	3,664794E+21	1,304230E+21	1,251525E+20	0,000000E+00	0,000000E+00	1,251835E+20	1,304344E+21
1192	3,664918E+21	6,574048E+21	8,809212E+21	8,809366E+21	6,574260E+21	3,665042E+21	1,304470E+21	1,252467E+20	0,000000E+00	0,000000E+00	1,251928E+20	1,304243E+21
1193	3,664744E+21	6,573976E+21	8,809294E+21	8,809349E+21	6,574092E+21	3,664802E+21	1,304282E+21	1,252176E+20	0,000000E+00	0,000000E+00	1,252784E+20	1,304520E+21
1194	3,665021E+21	6,574022E+21	8,808922E+21	8,808646E+21	6,573575E+21	3,664759E+21	1,304393E+21	1,252459E+20	0,000000E+00	0,000000E+00	1,252521E+20	1,304403E+21
1195	3,664704E+21	6,573418E+21	8,808472E+21	8,808723E+21	6,573865E+21	3,664973E+21	1,304537E+21	1,253010E+20	0,000000E+00	0,000000E+00	1,252661E+20	1,304377E+21
1196	3,664806E+21	6,573810E+21	8,808811E+21	8,808697E+21	6,573544E+21	3,664620E+21	1,304306E+21	1,252471E+20	0,000000E+00	0,000000E+00	1,253067E+20	1,304539E+21
1197	3,664883E+21	6,573648E+21	8,808386E+21	8,808260E+21	6,573492E+21	3,664842E+21	1,304520E+21	1,252911E+20	0,000000E+00	0,000000E+00	1,252443E+20	1,304311E+21
1198	3,664546E+21	6,573324E+21	8,808506E+21	8,808775E+21	6,573886E+21	3,664944E+21	1,304488E+21	1,252936E+20	0,000000E+00	0,000000E+00	1,252731E+20	1,304421E+21
1199	3,664865E+21	6,573866E+21	8,808882E+21	8,808761E+21	6,573567E+21	3,664644E+21	1,304309E+21	1,252285E+20	0,000000E+00	0,000000E+00	1,252679E+20	1,304472E+21
1200	3,664861E+21	6,573660E+21	8,808541E+21	8,808704E+21	6,573904E+21	3,664970E+21	1,304496E+21	1,252627E+20	0,000000E+00	0,000000E+00	1,252006E+20	1,304267E+21
1201	3,664728E+21	6,573896E+21	8,809212E+21	8,809303E+21	6,574141E+21	3,664890E+21	1,304305E+21	1,252117E+20	0,000000E+00	0,000000E+00	1,252424E+20	1,304459E+21
1202	3,665124E+21	6,574430E+21	8,809556E+21	8,809254E+21	6,573886E+21	3,664787E+21	1,304278E+21	1,251686E+20	0,000000E+00	0,000000E+00	1,251825E+20	1,304319E+21
1203	3,664889E+21	6,574100E+21	8,809462E+21	8,809695E+21	6,574455E+21	3,665093E+21	1,304426E+21	1,252138E+20	0,000000E+00	0,000000E+00	1,251499E+20	1,304190E+21
1204	3,664880E+21	6,574494E+21	8,810038E+21	8,810042E+21	6,574482E+21	3,664862E+21	1,304174E+21	1,251440E+20	0,000000E+00	0,000000E+00	1,252019E+20	1,304393E+21
1205	3,665064E+21	6,574467E+21	8,809741E+21	8,809609E+21	6,574307E+21	3,665001E+21	1,304327E+21	1,251648E+20	0,000000E+00	0,000000E+00	1,251397E+20	1,304222E+21
1206	3,664791E+21	6,574053E+21	8,809551E+21	8,809870E+21	6,574649E+21	3,665184E+21	1,304407E+21	1,252073E+20	0,000000E+00	0,000000E+00	1,251800E+20	1,304283E+21
1207	3,665004E+21	6,574484E+21	8,809807E+21	8,809697E+21	6,574173E+21	3,664783E+21	1,304205E+21	1,251524E+20	0,000000E+00	0,000000E+00	1,252129E+20	1,304421E+21
1208	3,665033E+21	6,574187E+21	8,809165E+21	8,809097E+21	6,574050E+21	3,664961E+21	1,304431E+21	1,252294E+20	0,000000E+00	0,000000E+00	1,251793E+20	1,304232E+21
1209	3,664696E+21	6,573876E+21	8,809213E+21	8,809280E+21	6,574116E+21	3,664921E+21	1,304369E+21	1,252379E+20	0,000000E+00	0,000000E+00	1,252622E+20	1,304435E+21
1210	3,664952E+21	6,574048E+21	8,809076E+21	8,808796E+21	6,573504E+21	3,664621E+21	1,304311E+21	1,252298E+20	0,000000E+00	0,000000E+00	1,252708E+20	1,304465E+21
1211	3,664763E+21	6,573409E+21	8,808261E+21	8,808453E+21	6,573673E+21	3,664897E+21	1,304559E+21	1,253206E+20	0,000000E+00	0,000000E+00	1,252720E+20	1,304347E+21
1212	3,664612E+21	6,573403E+21	8,808382E+21	8,808438E+21	6,573511E+21	3,664673E+21	1,304379E+21	1,252909E+20	0,000000E+00	0,000000E+00	1,253516E+20	1,304603E+21

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°
1213	3,664856E+21	6,573403E+21	8,807957E+21	8,807709E+21	6,572976E+21	3,664620E+21	1,304500E+21	1,253235E+20	0,000000E+00	0,000000E+00	1,253210E+20	1,304476E+21
1214	3,664553E+21	6,572863E+21	8,807548E+21	8,807797E+21	6,573316E+21	3,664871E+21	1,304654E+21	1,253810E+20	0,000000E+00	0,000000E+00	1,253324E+20	1,304427E+21
1215	3,664581E+21	6,573187E+21	8,807956E+21	8,807865E+21	6,572986E+21	3,664484E+21	1,304416E+21	1,253275E+20	0,000000E+00	0,000000E+00	1,253759E+20	1,304617E+21
1216	3,664716E+21	6,573021E+21	8,807456E+21	8,807385E+21	6,572910E+21	3,664656E+21	1,304584E+21	1,253599E+20	0,000000E+00	0,000000E+00	1,253168E+20	1,304411E+21
1217	3,664423E+21	6,572772E+21	8,807618E+21	8,807895E+21	6,573320E+21	3,664783E+21	1,304550E+21	1,253545E+20	0,000000E+00	0,000000E+00	1,253453E+20	1,304529E+21
1218	3,664773E+21	6,573382E+21	8,808056E+21	8,807906E+21	6,573000E+21	3,664488E+21	1,304371E+21	1,252867E+20	0,000000E+00	0,000000E+00	1,253371E+20	1,304579E+21
1219	3,664794E+21	6,573276E+21	8,807883E+21	8,807974E+21	6,573383E+21	3,664813E+21	1,304552E+21	1,253178E+20	0,000000E+00	0,000000E+00	1,252576E+20	1,304330E+21
1220	3,664618E+21	6,573512E+21	8,808617E+21	8,808658E+21	6,573673E+21	3,664756E+21	1,304372E+21	1,252695E+20	0,000000E+00	0,000000E+00	1,252970E+20	1,304497E+21
1221	3,664921E+21	6,573866E+21	8,808809E+21	8,808597E+21	6,573446E+21	3,664663E+21	1,304358E+21	1,252335E+20	0,000000E+00	0,000000E+00	1,252412E+20	1,304376E+21
1222	3,664714E+21	6,573528E+21	8,808582E+21	8,808908E+21	6,574040E+21	3,665029E+21	1,304527E+21	1,252847E+20	0,000000E+00	0,000000E+00	1,252162E+20	1,304257E+21
1223	3,664681E+21	6,573860E+21	8,809121E+21	8,809182E+21	6,573968E+21	3,664772E+21	1,304286E+21	1,252174E+20	0,000000E+00	0,000000E+00	1,252724E+20	1,304493E+21
1224	3,664959E+21	6,573902E+21	8,808778E+21	8,808641E+21	6,573672E+21	3,664815E+21	1,304401E+21	1,252336E+20	0,000000E+00	0,000000E+00	1,252141E+20	1,304328E+21
1225	3,664699E+21	6,573562E+21	8,808663E+21	8,808890E+21	6,573980E+21	3,664988E+21	1,304481E+21	1,252755E+20	0,000000E+00	0,000000E+00	1,252556E+20	1,304377E+21
1226	3,664866E+21	6,573950E+21	8,808950E+21	8,808769E+21	6,573510E+21	3,664588E+21	1,304284E+21	1,252258E+20	0,000000E+00	0,000000E+00	1,252919E+20	1,304523E+21
1227	3,664880E+21	6,573636E+21	8,808361E+21	8,808272E+21	6,573446E+21	3,664762E+21	1,304502E+21	1,253030E+20	0,000000E+00	0,000000E+00	1,252564E+20	1,304323E+21
1228	3,664526E+21	6,573269E+21	8,808327E+21	8,808435E+21	6,573565E+21	3,664770E+21	1,304455E+21	1,253139E+20	0,000000E+00	0,000000E+00	1,253403E+20	1,304527E+21
1229	3,664759E+21	6,573342E+21	8,808039E+21	8,807855E+21	6,572932E+21	3,664493E+21	1,304420E+21	1,253120E+20	0,000000E+00	0,000000E+00	1,253511E+20	1,304572E+21
1230	3,664634E+21	6,572810E+21	8,807216E+21	8,807420E+21	6,573087E+21	3,664799E+21	1,304686E+21	1,254059E+20	0,000000E+00	0,000000E+00	1,253491E+20	1,304425E+21
1231	3,664420E+21	6,572775E+21	8,807428E+21	8,807462E+21	6,572885E+21	3,664547E+21	1,304511E+21	1,253780E+20	0,000000E+00	0,000000E+00	1,254247E+20	1,304680E+21
1232	3,664690E+21	6,572786E+21	8,807007E+21	8,806750E+21	6,572316E+21	3,664416E+21	1,304583E+21	1,254011E+20	0,000000E+00	0,000000E+00	1,253960E+20	1,304554E+21
1233	3,664368E+21	6,572246E+21	8,806619E+21	8,806874E+21	6,572693E+21	3,664678E+21	1,304728E+21	1,254520E+20	0,000000E+00	0,000000E+00	1,254082E+20	1,304518E+21
1234	3,664394E+21	6,572537E+21	8,807005E+21	8,806963E+21	6,572414E+21	3,664326E+21	1,304486E+21	1,253940E+20	0,000000E+00	0,000000E+00	1,254529E+20	1,304733E+21
1235	3,664601E+21	6,572492E+21	8,806641E+21	8,806560E+21	6,572362E+21	3,664494E+21	1,304640E+21	1,254173E+20	0,000000E+00	0,000000E+00	1,253831E+20	1,304511E+21
1236	3,664349E+21	6,572351E+21	8,806904E+21	8,807134E+21	6,572807E+21	3,664639E+21	1,304612E+21	1,254105E+20	0,000000E+00	0,000000E+00	1,254031E+20	1,304597E+21
1237	3,664655E+21	6,572925E+21	8,807331E+21	8,807175E+21	6,572527E+21	3,664367E+21	1,304450E+21	1,253474E+20	0,000000E+00	0,000000E+00	1,253915E+20	1,304636E+21
1238	3,664678E+21	6,572863E+21	8,807187E+21	8,807258E+21	6,572957E+21	3,664729E+21	1,304647E+21	1,253841E+20	0,000000E+00	0,000000E+00	1,253126E+20	1,304367E+21
1239	3,664414E+21	6,572971E+21	8,807907E+21	8,807997E+21	6,573246E+21	3,664661E+21	1,304474E+21	1,253400E+20	0,000000E+00	0,000000E+00	1,253576E+20	1,304564E+21
1240	3,664761E+21	6,573273E+21	8,807935E+21	8,807796E+21	6,572947E+21	3,664512E+21	1,304424E+21	1,252979E+20	0,000000E+00	0,000000E+00	1,253114E+20	1,304474E+21
1241	3,664593E+21	6,572983E+21	8,807681E+21	8,807988E+21	6,573461E+21	3,664877E+21	1,304601E+21	1,253478E+20	0,000000E+00	0,000000E+00	1,252916E+20	1,304369E+21
1242	3,664574E+21	6,573322E+21	8,808222E+21	8,808238E+21	6,573347E+21	3,664603E+21	1,304362E+21	1,252832E+20	0,000000E+00	0,000000E+00	1,253477E+20	1,304602E+21
1243	3,664859E+21	6,573443E+21	8,808016E+21	8,807771E+21	6,573047E+21	3,664618E+21	1,304466E+21	1,252998E+20	0,000000E+00	0,000000E+00	1,252831E+20	1,304409E+21
1244	3,664564E+21	6,573080E+21	8,807930E+21	8,808086E+21	6,573390E+21	3,664801E+21	1,304557E+21	1,253467E+20	0,000000E+00	0,000000E+00	1,253239E+20	1,304437E+21
1245	3,664649E+21	6,573289E+21	8,808038E+21	8,807927E+21	6,572967E+21	3,664439E+21	1,304383E+21	1,253068E+20	0,000000E+00	0,000000E+00	1,253660E+20	1,304606E+21
1246	3,664694E+21	6,572975E+21	8,807342E+21	8,807336E+21	6,572938E+21	3,664674E+21	1,304621E+21	1,253881E+20	0,000000E+00	0,000000E+00	1,253361E+20	1,304410E+21
1247	3,664319E+21	6,572564E+21	8,807306E+21	8,807473E+21	6,572986E+21	3,664660E+21	1,304586E+21	1,254009E+20	0,000000E+00	0,000000E+00	1,254203E+20	1,304633E+21
1248	3,664619E+21	6,572677E+21	8,806959E+21	8,806791E+21	6,572260E+21	3,664308E+21	1,304515E+21	1,253935E+20	0,000000E+00	0,000000E+00	1,254339E+20	1,304675E+21

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°
1249	3,664494E+21	6,572227E+21	8,806240E+21	8,806361E+21	6,572390E+21	3,664616E+21	1,304780E+21	1,254822E+20	0,000000E+00	0,000000E+00	1,254303E+20	1,304521E+21
1250	3,664241E+21	6,572144E+21	8,806488E+21	8,806486E+21	6,572212E+21	3,664354E+21	1,304598E+21	1,254550E+20	0,000000E+00	0,000000E+00	1,255043E+20	1,304777E+21
1251	3,664514E+21	6,572191E+21	8,806151E+21	8,805879E+21	6,571713E+21	3,664217E+21	1,304646E+21	1,254705E+20	0,000000E+00	0,000000E+00	1,254713E+20	1,304654E+21
1252	3,664227E+21	6,571676E+21	8,805759E+21	8,806022E+21	6,572138E+21	3,664513E+21	1,304791E+21	1,255169E+20	0,000000E+00	0,000000E+00	1,254782E+20	1,304612E+21
1253	3,664260E+21	6,571945E+21	8,806084E+21	8,806083E+21	6,571882E+21	3,664198E+21	1,304570E+21	1,254609E+20	0,000000E+00	0,000000E+00	1,255199E+20	1,304832E+21
1254	3,664532E+21	6,572051E+21	8,805828E+21	8,805719E+21	6,571873E+21	3,664394E+21	1,304732E+21	1,254839E+20	0,000000E+00	0,000000E+00	1,254431E+20	1,304571E+21
1255	3,664211E+21	6,571900E+21	8,806231E+21	8,806412E+21	6,572319E+21	3,664528E+21	1,304713E+21	1,254799E+20	0,000000E+00	0,000000E+00	1,254585E+20	1,304649E+21
1256	3,664511E+21	6,572426E+21	8,806603E+21	8,806456E+21	6,572035E+21	3,664210E+21	1,304519E+21	1,254117E+20	0,000000E+00	0,000000E+00	1,254511E+20	1,304687E+21
1257	3,664503E+21	6,572338E+21	8,806440E+21	8,806514E+21	6,572473E+21	3,664592E+21	1,304718E+21	1,254456E+20	0,000000E+00	0,000000E+00	1,253791E+20	1,304444E+21
1258	3,664233E+21	6,572355E+21	8,807044E+21	8,807190E+21	6,572760E+21	3,664544E+21	1,304549E+21	1,254020E+20	0,000000E+00	0,000000E+00	1,254276E+20	1,304661E+21
1259	3,664633E+21	6,572754E+21	8,807142E+21	8,806978E+21	6,572418E+21	3,664363E+21	1,304484E+21	1,253553E+20	0,000000E+00	0,000000E+00	1,253778E+20	1,304573E+21
1260	3,664513E+21	6,572534E+21	8,806913E+21	8,807149E+21	6,572903E+21	3,664717E+21	1,304667E+21	1,254085E+20	0,000000E+00	0,000000E+00	1,253539E+20	1,304442E+21
1261	3,664442E+21	6,572800E+21	8,807403E+21	8,807390E+21	6,572799E+21	3,664463E+21	1,304453E+21	1,253534E+20	0,000000E+00	0,000000E+00	1,254115E+20	1,304675E+21
1262	3,664728E+21	6,572939E+21	8,807210E+21	8,806944E+21	6,572522E+21	3,664487E+21	1,304568E+21	1,253788E+20	0,000000E+00	0,000000E+00	1,253515E+20	1,304468E+21
1263	3,664346E+21	6,572439E+21	8,807072E+21	8,807275E+21	6,572863E+21	3,664669E+21	1,304668E+21	1,254308E+20	0,000000E+00	0,000000E+00	1,253991E+20	1,304529E+21
1264	3,664475E+21	6,572591E+21	8,806995E+21	8,806957E+21	6,572382E+21	3,664276E+21	1,304470E+21	1,253872E+20	0,000000E+00	0,000000E+00	1,254510E+20	1,304721E+21
1265	3,664559E+21	6,572344E+21	8,806308E+21	8,806257E+21	6,572258E+21	3,664508E+21	1,304717E+21	1,254661E+20	0,000000E+00	0,000000E+00	1,254260E+20	1,304537E+21
1266	3,664186E+21	6,571928E+21	8,806273E+21	8,806403E+21	6,572293E+21	3,664484E+21	1,304683E+21	1,254799E+20	0,000000E+00	0,000000E+00	1,255048E+20	1,304741E+21
1267	3,664475E+21	6,572128E+21	8,806089E+21	8,805816E+21	6,571580E+21	3,664102E+21	1,304592E+21	1,254682E+20	0,000000E+00	0,000000E+00	1,255118E+20	1,304763E+21
1268	3,664329E+21	6,571651E+21	8,805395E+21	8,805459E+21	6,571752E+21	3,664419E+21	1,304856E+21	1,255555E+20	0,000000E+00	0,000000E+00	1,255020E+20	1,304590E+21
1269	3,664024E+21	6,571441E+21	8,805509E+21	8,805584E+21	6,571653E+21	3,664207E+21	1,304690E+21	1,255319E+20	0,000000E+00	0,000000E+00	1,255765E+20	1,304865E+21
1270	3,664355E+21	6,571561E+21	8,805168E+21	8,804961E+21	6,571201E+21	3,664114E+21	1,304748E+21	1,255461E+20	0,000000E+00	0,000000E+00	1,255421E+20	1,304737E+21
1271	3,664072E+21	6,571087E+21	8,804885E+21	8,805170E+21	6,571605E+21	3,664396E+21	1,304895E+21	1,255907E+20	0,000000E+00	0,000000E+00	1,255439E+20	1,304705E+21
1272	3,664168E+21	6,571429E+21	8,805216E+21	8,805200E+21	6,571322E+21	3,664042E+21	1,304647E+21	1,255288E+20	0,000000E+00	0,000000E+00	1,255854E+20	1,304910E+21
1273	3,664426E+21	6,571618E+21	8,805115E+21	8,804904E+21	6,571311E+21	3,664246E+21	1,304810E+21	1,255466E+20	0,000000E+00	0,000000E+00	1,255083E+20	1,304643E+21
1274	3,664056E+21	6,571387E+21	8,805516E+21	8,805686E+21	6,571811E+21	3,664381E+21	1,304787E+21	1,255441E+20	0,000000E+00	0,000000E+00	1,255225E+20	1,304714E+21
1275	3,664339E+21	6,571911E+21	8,805906E+21	8,805771E+21	6,571579E+21	3,664063E+21	1,304571E+21	1,254695E+20	0,000000E+00	0,000000E+00	1,255152E+20	1,304767E+21
1276	3,664365E+21	6,571815E+21	8,805677E+21	8,805762E+21	6,571999E+21	3,664465E+21	1,304776E+21	1,255022E+20	0,000000E+00	0,000000E+00	1,254420E+20	1,304529E+21
1277	3,664106E+21	6,571785E+21	8,806149E+21	8,806329E+21	6,572252E+21	3,664434E+21	1,304634E+21	1,254655E+20	0,000000E+00	0,000000E+00	1,254912E+20	1,304751E+21
1278	3,664550E+21	6,572284E+21	8,806307E+21	8,806118E+21	6,571909E+21	3,664255E+21	1,304580E+21	1,254247E+20	0,000000E+00	0,000000E+00	1,254400E+20	1,304638E+21
1279	3,664371E+21	6,572042E+21	8,806182E+21	8,806367E+21	6,572353E+21	3,664570E+21	1,304763E+21	1,254828E+20	0,000000E+00	0,000000E+00	1,254180E+20	1,304512E+21
1280	3,664289E+21	6,572220E+21	8,806538E+21	8,806528E+21	6,572212E+21	3,664278E+21	1,304531E+21	1,254285E+20	0,000000E+00	0,000000E+00	1,254841E+20	1,304752E+21
1281	3,664552E+21	6,572332E+21	8,806322E+21	8,806044E+21	6,571929E+21	3,664326E+21	1,304649E+21	1,254524E+20	0,000000E+00	0,000000E+00	1,254345E+20	1,304574E+21
1282	3,664171E+21	6,571761E+21	8,806077E+21	8,806313E+21	6,572261E+21	3,664521E+21	1,304756E+21	1,255056E+20	0,000000E+00	0,000000E+00	1,254829E+20	1,304640E+21
1283	3,664334E+21	6,572003E+21	8,806065E+21	8,805983E+21	6,571755E+21	3,664106E+21	1,304547E+21	1,254590E+20	0,000000E+00	0,000000E+00	1,255314E+20	1,304831E+21
1284	3,664446E+21	6,571801E+21	8,805415E+21	8,805289E+21	6,571612E+21	3,664335E+21	1,304801E+21	1,255391E+20	0,000000E+00	0,000000E+00	1,255007E+20	1,304621E+21

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°
1285	3,664020E+21	6,571296E+21	8,805307E+21	8,805430E+21	6,571672E+21	3,664336E+21	1,304791E+21	1,255602E+20	0,000000E+00	0,000000E+00	1,255772E+20	1,304817E+21
1286	3,664298E+21	6,571506E+21	8,805153E+21	8,804908E+21	6,571010E+21	3,663965E+21	1,304706E+21	1,255537E+20	0,000000E+00	0,000000E+00	1,255858E+20	1,304832E+21
1287	3,664107E+21	6,570961E+21	8,804459E+21	8,804583E+21	6,571184E+21	3,664273E+21	1,304962E+21	1,256391E+20	0,000000E+00	0,000000E+00	1,255777E+20	1,304691E+21
1288	3,663866E+21	6,570750E+21	8,804447E+21	8,804574E+21	6,571037E+21	3,664046E+21	1,304778E+21	1,256100E+20	0,000000E+00	0,000000E+00	1,256557E+20	1,304976E+21
1289	3,664249E+21	6,571010E+21	8,804238E+21	8,803968E+21	6,570549E+21	3,663953E+21	1,304833E+21	1,256166E+20	0,000000E+00	0,000000E+00	1,256212E+20	1,304848E+21
1290	3,663968E+21	6,570572E+21	8,804042E+21	8,804276E+21	6,571002E+21	3,664232E+21	1,304974E+21	1,256591E+20	0,000000E+00	0,000000E+00	1,256135E+20	1,304785E+21
1291	3,664046E+21	6,571005E+21	8,804551E+21	8,804442E+21	6,570785E+21	3,663877E+21	1,304708E+21	1,255909E+20	0,000000E+00	0,000000E+00	1,256487E+20	1,304973E+21
1292	3,664276E+21	6,571140E+21	8,804455E+21	8,804232E+21	6,570831E+21	3,664098E+21	1,304868E+21	1,256054E+20	0,000000E+00	0,000000E+00	1,255662E+20	1,304694E+21
1293	3,663861E+21	6,570772E+21	8,804679E+21	8,804966E+21	6,571397E+21	3,664292E+21	1,304868E+21	1,256065E+20	0,000000E+00	0,000000E+00	1,255822E+20	1,304784E+21
1294	3,664191E+21	6,571343E+21	8,805051E+21	8,805006E+21	6,571158E+21	3,663990E+21	1,304662E+21	1,255333E+20	0,000000E+00	0,000000E+00	1,255755E+20	1,304836E+21
1295	3,664223E+21	6,571277E+21	8,804872E+21	8,804975E+21	6,571494E+21	3,664354E+21	1,304867E+21	1,255675E+20	0,000000E+00	0,000000E+00	1,255020E+20	1,304616E+21
1296	3,664018E+21	6,571288E+21	8,805285E+21	8,805436E+21	6,571683E+21	3,664284E+21	1,304709E+21	1,255305E+20	0,000000E+00	0,000000E+00	1,255549E+20	1,304826E+21
1297	3,664448E+21	6,571848E+21	8,805567E+21	8,805259E+21	6,571297E+21	3,664089E+21	1,304657E+21	1,254910E+20	0,000000E+00	0,000000E+00	1,255104E+20	1,304721E+21
1298	3,664223E+21	6,571504E+21	8,805398E+21	8,805573E+21	6,571782E+21	3,664391E+21	1,304834E+21	1,255531E+20	0,000000E+00	0,000000E+00	1,254915E+20	1,304595E+21
1299	3,664129E+21	6,571677E+21	8,805742E+21	8,805726E+21	6,571673E+21	3,664109E+21	1,304592E+21	1,254962E+20	0,000000E+00	0,000000E+00	1,255609E+20	1,304855E+21
1300	3,664417E+21	6,571756E+21	8,805446E+21	8,805170E+21	6,571355E+21	3,664171E+21	1,304718E+21	1,255208E+20	0,000000E+00	0,000000E+00	1,255115E+20	1,304675E+21
1301	3,664032E+21	6,571129E+21	8,805075E+21	8,805338E+21	6,571669E+21	3,664397E+21	1,304860E+21	1,255813E+20	0,000000E+00	0,000000E+00	1,255584E+20	1,304733E+21
1302	3,664199E+21	6,571424E+21	8,805116E+21	8,805030E+21	6,571167E+21	3,663985E+21	1,304666E+21	1,255430E+20	0,000000E+00	0,000000E+00	1,256043E+20	1,304894E+21
1303	3,664241E+21	6,571172E+21	8,804526E+21	8,804391E+21	6,570991E+21	3,664185E+21	1,304921E+21	1,256265E+20	0,000000E+00	0,000000E+00	1,255753E+20	1,304698E+21
1304	3,663816E+21	6,570579E+21	8,804248E+21	8,804424E+21	6,571025E+21	3,664158E+21	1,304891E+21	1,256466E+20	0,000000E+00	0,000000E+00	1,256573E+20	1,304902E+21
1305	3,664098E+21	6,570808E+21	8,804111E+21	8,803878E+21	6,570349E+21	3,663802E+21	1,304802E+21	1,256350E+20	0,000000E+00	0,000000E+00	1,256740E+20	1,304951E+21
1306	3,663944E+21	6,570271E+21	8,803409E+21	8,803569E+21	6,570531E+21	3,664098E+21	1,305045E+21	1,257146E+20	0,000000E+00	0,000000E+00	1,256608E+20	1,304808E+21
1307	3,663760E+21	6,570226E+21	8,803557E+21	8,803622E+21	6,570400E+21	3,663863E+21	1,304845E+21	1,256781E+20	0,000000E+00	0,000000E+00	1,257314E+20	1,305082E+21
1308	3,664163E+21	6,570557E+21	8,803480E+21	8,803137E+21	6,569967E+21	3,663786E+21	1,304896E+21	1,256793E+20	0,000000E+00	0,000000E+00	1,256867E+20	1,304920E+21
1309	3,663831E+21	6,570069E+21	8,803275E+21	8,803500E+21	6,570486E+21	3,664106E+21	1,305060E+21	1,257255E+20	0,000000E+00	0,000000E+00	1,256734E+20	1,304841E+21
1310	3,663880E+21	6,570475E+21	8,803794E+21	8,803758E+21	6,570366E+21	3,663785E+21	1,304804E+21	1,256608E+20	0,000000E+00	0,000000E+00	1,257077E+20	1,305018E+21
1311	3,664071E+21	6,570546E+21	8,803675E+21	8,803555E+21	6,570406E+21	3,664003E+21	1,304955E+21	1,256714E+20	0,000000E+00	0,000000E+00	1,256283E+20	1,304779E+21
1312	3,663729E+21	6,570167E+21	8,803708E+21	8,804069E+21	6,570869E+21	3,664170E+21	1,304946E+21	1,256706E+20	0,000000E+00	0,000000E+00	1,256485E+20	1,304876E+21
1313	3,664096E+21	6,570859E+21	8,804206E+21	8,804099E+21	6,570560E+21	3,663850E+21	1,304741E+21	1,255943E+20	0,000000E+00	0,000000E+00	1,256449E+20	1,304934E+21
1314	3,664131E+21	6,570823E+21	8,804108E+21	8,804143E+21	6,570898E+21	3,664176E+21	1,304931E+21	1,256300E+20	0,000000E+00	0,000000E+00	1,255668E+20	1,304688E+21
1315	3,663906E+21	6,570897E+21	8,804638E+21	8,804681E+21	6,571111E+21	3,664096E+21	1,304764E+21	1,255921E+20	0,000000E+00	0,000000E+00	1,256198E+20	1,304895E+21
1316	3,664303E+21	6,571370E+21	8,804880E+21	8,804567E+21	6,570789E+21	3,663922E+21	1,304710E+21	1,255531E+20	0,000000E+00	0,000000E+00	1,255751E+20	1,304788E+21
1317	3,664040E+21	6,570888E+21	8,804516E+21	8,804782E+21	6,571310E+21	3,664285E+21	1,304918E+21	1,256208E+20	0,000000E+00	0,000000E+00	1,255607E+20	1,304679E+21
1318	3,663974E+21	6,571066E+21	8,804814E+21	8,804893E+21	6,571195E+21	3,664029E+21	1,304702E+21	1,255715E+20	0,000000E+00	0,000000E+00	1,256306E+20	1,304930E+21
1319	3,664250E+21	6,571147E+21	8,804534E+21	8,804306E+21	6,570799E+21	3,664054E+21	1,304832E+21	1,256000E+20	0,000000E+00	0,000000E+00	1,255851E+20	1,304771E+21
1320	3,663891E+21	6,570504E+21	8,804032E+21	8,804299E+21	6,571021E+21	3,664247E+21	1,304969E+21	1,256635E+20	0,000000E+00	0,000000E+00	1,256355E+20	1,304816E+21

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°
1321	3,664026E+21	6,570819E+21	8,804175E+21	8,804017E+21	6,570463E+21	3,663813E+21	1,304776E+21	1,256271E+20	0,000000E+00	0,000000E+00	1,256889E+20	1,304991E+21
1322	3,664042E+21	6,570479E+21	8,803523E+21	8,803419E+21	6,570316E+21	3,663982E+21	1,305010E+21	1,257101E+20	0,000000E+00	0,000000E+00	1,256613E+20	1,304801E+21
1323	3,663648E+21	6,569954E+21	8,803261E+21	8,803427E+21	6,570364E+21	3,663960E+21	1,304961E+21	1,257225E+20	0,000000E+00	0,000000E+00	1,257438E+20	1,305029E+21
1324	3,663982E+21	6,570216E+21	8,803139E+21	8,802885E+21	6,569693E+21	3,663616E+21	1,304870E+21	1,257060E+20	0,000000E+00	0,000000E+00	1,257544E+20	1,305066E+21
1325	3,663839E+21	6,569705E+21	8,802450E+21	8,802603E+21	6,569921E+21	3,663949E+21	1,305132E+21	1,257850E+20	0,000000E+00	0,000000E+00	1,257333E+20	1,304903E+21
1326	3,663655E+21	6,569736E+21	8,802753E+21	8,802806E+21	6,569865E+21	3,663740E+21	1,304948E+21	1,257534E+20	0,000000E+00	0,000000E+00	1,257953E+20	1,305133E+21
1327	3,663977E+21	6,570017E+21	8,802749E+21	8,802436E+21	6,569468E+21	3,663660E+21	1,304996E+21	1,257526E+20	0,000000E+00	0,000000E+00	1,257493E+20	1,304978E+21
1328	3,663635E+21	6,569442E+21	8,802371E+21	8,802688E+21	6,569988E+21	3,663983E+21	1,305148E+21	1,257961E+20	0,000000E+00	0,000000E+00	1,257378E+20	1,304902E+21
1329	3,663685E+21	6,569872E+21	8,802914E+21	8,802906E+21	6,569839E+21	3,663678E+21	1,304893E+21	1,257264E+20	0,000000E+00	0,000000E+00	1,257778E+20	1,305105E+21
1330	3,663915E+21	6,569949E+21	8,802772E+21	8,802700E+21	6,569859E+21	3,663861E+21	1,305028E+21	1,257329E+20	0,000000E+00	0,000000E+00	1,256945E+20	1,304870E+21
1331	3,663645E+21	6,569749E+21	8,802930E+21	8,803220E+21	6,570298E+21	3,664002E+21	1,305001E+21	1,257272E+20	0,000000E+00	0,000000E+00	1,257122E+20	1,304965E+21
1332	3,664022E+21	6,570476E+21	8,803529E+21	8,803342E+21	6,570017E+21	3,663682E+21	1,304793E+21	1,256494E+20	0,000000E+00	0,000000E+00	1,257033E+20	1,305002E+21
1333	3,664009E+21	6,570378E+21	8,803417E+21	8,803434E+21	6,570404E+21	3,664033E+21	1,305001E+21	1,256908E+20	0,000000E+00	0,000000E+00	1,256262E+20	1,304752E+21
1334	3,663755E+21	6,570390E+21	8,803926E+21	8,804043E+21	6,570690E+21	3,663985E+21	1,304854E+21	1,256622E+20	0,000000E+00	0,000000E+00	1,256819E+20	1,304952E+21
1335	3,664108E+21	6,570774E+21	8,804076E+21	8,803872E+21	6,570350E+21	3,663823E+21	1,304803E+21	1,256247E+20	0,000000E+00	0,000000E+00	1,256450E+20	1,304883E+21
1336	3,663895E+21	6,570254E+21	8,803486E+21	8,803813E+21	6,570741E+21	3,664167E+21	1,305019E+21	1,256958E+20	0,000000E+00	0,000000E+00	1,256371E+20	1,304777E+21
1337	3,663839E+21	6,570493E+21	8,803854E+21	8,803873E+21	6,570538E+21	3,663894E+21	1,304812E+21	1,256491E+20	0,000000E+00	0,000000E+00	1,257114E+20	1,305028E+21
1338	3,664097E+21	6,570549E+21	8,803581E+21	8,803326E+21	6,570125E+21	3,663868E+21	1,304928E+21	1,256807E+20	0,000000E+00	0,000000E+00	1,256661E+20	1,304860E+21
1339	3,663736E+21	6,569956E+21	8,803119E+21	8,803316E+21	6,570329E+21	3,664034E+21	1,305049E+21	1,257416E+20	0,000000E+00	0,000000E+00	1,257178E+20	1,304913E+21
1340	3,663847E+21	6,570183E+21	8,803231E+21	8,803089E+21	6,569824E+21	3,663612E+21	1,304845E+21	1,257027E+20	0,000000E+00	0,000000E+00	1,257701E+20	1,305093E+21
1341	3,663863E+21	6,569794E+21	8,802484E+21	8,802431E+21	6,569696E+21	3,663819E+21	1,305092E+21	1,257845E+20	0,000000E+00	0,000000E+00	1,257423E+20	1,304913E+21
1342	3,663510E+21	6,569326E+21	8,802276E+21	8,802489E+21	6,569773E+21	3,663823E+21	1,305066E+21	1,258014E+20	0,000000E+00	0,000000E+00	1,258174E+20	1,305115E+21
1343	3,663836E+21	6,569646E+21	8,802255E+21	8,802025E+21	6,569134E+21	3,663483E+21	1,304972E+21	1,257831E+20	0,000000E+00	0,000000E+00	1,258260E+20	1,305154E+21
1344	3,663702E+21	6,569142E+21	8,801512E+21	8,801649E+21	6,569322E+21	3,663809E+21	1,305234E+21	1,258620E+20	0,000000E+00	0,000000E+00	1,258025E+20	1,304969E+21
1345	3,663478E+21	6,569186E+21	8,801939E+21	8,801946E+21	6,569277E+21	3,663610E+21	1,305058E+21	1,258307E+20	0,000000E+00	0,000000E+00	1,258669E+20	1,305201E+21
1346	3,663769E+21	6,569377E+21	8,801875E+21	8,801649E+21	6,568949E+21	3,663509E+21	1,305079E+21	1,258244E+20	0,000000E+00	0,000000E+00	1,258207E+20	1,305057E+21
1347	3,663477E+21	6,568890E+21	8,801486E+21	8,801816E+21	6,569443E+21	3,663828E+21	1,305209E+21	1,258581E+20	0,000000E+00	0,000000E+00	1,258093E+20	1,305007E+21
1348	3,663575E+21	6,569352E+21	8,802068E+21	8,802052E+21	6,569285E+21	3,663520E+21	1,304946E+21	1,257824E+20	0,000000E+00	0,000000E+00	1,258424E+20	1,305199E+21
1349	3,663825E+21	6,569486E+21	8,801971E+21	8,801866E+21	6,569320E+21	3,663713E+21	1,305091E+21	1,257886E+20	0,000000E+00	0,000000E+00	1,257537E+20	1,304949E+21
1350	3,663557E+21	6,569349E+21	8,802281E+21	8,802531E+21	6,569817E+21	3,663871E+21	1,305084E+21	1,257914E+20	0,000000E+00	0,000000E+00	1,257664E+20	1,305010E+21
1351	3,663864E+21	6,570015E+21	8,802902E+21	8,802742E+21	6,569590E+21	3,663561E+21	1,304876E+21	1,257155E+20	0,000000E+00	0,000000E+00	1,257613E+20	1,305062E+21
1352	3,663836E+21	6,569805E+21	8,802572E+21	8,802668E+21	6,569944E+21	3,663916E+21	1,305083E+21	1,257589E+20	0,000000E+00	0,000000E+00	1,256920E+20	1,304826E+21
1353	3,663585E+21	6,569809E+21	8,803062E+21	8,803193E+21	6,570170E+21	3,663886E+21	1,304952E+21	1,257317E+20	0,000000E+00	0,000000E+00	1,257556E+20	1,305045E+21
1354	3,663952E+21	6,570156E+21	8,803135E+21	8,802982E+21	6,569790E+21	3,663681E+21	1,304892E+21	1,256952E+20	0,000000E+00	0,000000E+00	1,257196E+20	1,304980E+21
1355	3,663792E+21	6,569777E+21	8,802598E+21	8,802842E+21	6,570105E+21	3,663992E+21	1,305095E+21	1,257644E+20	0,000000E+00	0,000000E+00	1,257139E+20	1,304879E+21
1356	3,663719E+21	6,569983E+21	8,803008E+21	8,802948E+21	6,569893E+21	3,663703E+21	1,304887E+21	1,257197E+20	0,000000E+00	0,000000E+00	1,257842E+20	1,305110E+21

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°
1357	3,663927E+21	6,569956E+21	8,802679E+21	8,802414E+21	6,569508E+21	3,663687E+21	1,305014E+21	1,257567E+20	0,000000E+00	0,000000E+00	1,257425E+20	1,304951E+21
1358	3,663560E+21	6,569319E+21	8,802206E+21	8,802462E+21	6,569761E+21	3,663871E+21	1,305146E+21	1,258234E+20	0,000000E+00	0,000000E+00	1,257945E+20	1,305001E+21
1359	3,663655E+21	6,569502E+21	8,802243E+21	8,802175E+21	6,569252E+21	3,663470E+21	1,304946E+21	1,257843E+20	0,000000E+00	0,000000E+00	1,258511E+20	1,305206E+21
1360	3,663719E+21	6,569125E+21	8,801383E+21	8,801344E+21	6,569036E+21	3,663665E+21	1,305195E+21	1,258653E+20	0,000000E+00	0,000000E+00	1,258234E+20	1,305017E+21
1361	3,663380E+21	6,568762E+21	8,801335E+21	8,801459E+21	6,569093E+21	3,663670E+21	1,305180E+21	1,258842E+20	0,000000E+00	0,000000E+00	1,258967E+20	1,305202E+21
1362	3,663662E+21	6,569046E+21	8,801355E+21	8,801120E+21	6,568519E+21	3,663314E+21	1,305074E+21	1,258651E+20	0,000000E+00	0,000000E+00	1,259018E+20	1,305223E+21
1363	3,663525E+21	6,568599E+21	8,800665E+21	8,800768E+21	6,568726E+21	3,663631E+21	1,305313E+21	1,259355E+20	0,000000E+00	0,000000E+00	1,258779E+20	1,305052E+21
1364	3,663284E+21	6,568555E+21	8,801055E+21	8,801116E+21	6,568742E+21	3,663451E+21	1,305125E+21	1,258975E+20	0,000000E+00	0,000000E+00	1,259369E+20	1,305284E+21
1365	3,663592E+21	6,568738E+21	8,800926E+21	8,800773E+21	6,568433E+21	3,663381E+21	1,305151E+21	1,258855E+20	0,000000E+00	0,000000E+00	1,258892E+20	1,305157E+21
1366	3,663366E+21	6,568353E+21	8,800646E+21	8,801001E+21	6,568930E+21	3,663699E+21	1,305291E+21	1,259211E+20	0,000000E+00	0,000000E+00	1,258691E+20	1,305084E+21
1367	3,663469E+21	6,568888E+21	8,801327E+21	8,801304E+21	6,568806E+21	3,663399E+21	1,305025E+21	1,258438E+20	0,000000E+00	0,000000E+00	1,259006E+20	1,305275E+21
1368	3,663719E+21	6,569033E+21	8,801211E+21	8,801052E+21	6,568791E+21	3,663576E+21	1,305169E+21	1,258521E+20	0,000000E+00	0,000000E+00	1,258122E+20	1,305012E+21
1369	3,663421E+21	6,568902E+21	8,801616E+21	8,801798E+21	6,569303E+21	3,663740E+21	1,305173E+21	1,258597E+20	0,000000E+00	0,000000E+00	1,258309E+20	1,305077E+21
1370	3,663690E+21	6,569451E+21	8,802127E+21	8,802041E+21	6,569144E+21	3,663429E+21	1,304951E+21	1,257828E+20	0,000000E+00	0,000000E+00	1,258293E+20	1,305144E+21
1371	3,663715E+21	6,569310E+21	8,801736E+21	8,801808E+21	6,569411E+21	3,663770E+21	1,305146E+21	1,258213E+20	0,000000E+00	0,000000E+00	1,257660E+20	1,304937E+21
1372	3,663483E+21	6,569290E+21	8,802209E+21	8,802318E+21	6,569605E+21	3,663730E+21	1,305020E+21	1,257933E+20	0,000000E+00	0,000000E+00	1,258246E+20	1,305135E+21
1373	3,663835E+21	6,569645E+21	8,802286E+21	8,802084E+21	6,569208E+21	3,663521E+21	1,304969E+21	1,257611E+20	0,000000E+00	0,000000E+00	1,257892E+20	1,305064E+21
1374	3,663653E+21	6,569254E+21	8,801815E+21	8,802011E+21	6,569526E+21	3,663834E+21	1,305194E+21	1,258412E+20	0,000000E+00	0,000000E+00	1,257812E+20	1,304938E+21
1375	3,663515E+21	6,569364E+21	8,802165E+21	8,802149E+21	6,569366E+21	3,663559E+21	1,304986E+21	1,257991E+20	0,000000E+00	0,000000E+00	1,258564E+20	1,305187E+21
1376	3,663714E+21	6,569239E+21	8,801622E+21	8,801420E+21	6,568912E+21	3,663538E+21	1,305114E+21	1,258394E+20	0,000000E+00	0,000000E+00	1,258223E+20	1,305047E+21
1377	3,663378E+21	6,568639E+21	8,801175E+21	8,801415E+21	6,569108E+21	3,663729E+21	1,305259E+21	1,259074E+20	0,000000E+00	0,000000E+00	1,258784E+20	1,305108E+21
1378	3,663492E+21	6,568823E+21	8,801199E+21	8,801163E+21	6,568615E+21	3,663306E+21	1,305049E+21	1,258678E+20	0,000000E+00	0,000000E+00	1,259333E+20	1,305310E+21
1379	3,663608E+21	6,568603E+21	8,800441E+21	8,800307E+21	6,568356E+21	3,663475E+21	1,305278E+21	1,259414E+20	0,000000E+00	0,000000E+00	1,259061E+20	1,305123E+21
1380	3,663244E+21	6,568214E+21	8,800482E+21	8,800547E+21	6,568459E+21	3,663483E+21	1,305261E+21	1,259582E+20	0,000000E+00	0,000000E+00	1,259706E+20	1,305279E+21
1381	3,663477E+21	6,568436E+21	8,800475E+21	8,800264E+21	6,567961E+21	3,663154E+21	1,305157E+21	1,259380E+20	0,000000E+00	0,000000E+00	1,259768E+20	1,305310E+21
1382	3,663342E+21	6,567966E+21	8,799800E+21	8,799970E+21	6,568224E+21	3,663500E+21	1,305401E+21	1,260080E+20	0,000000E+00	0,000000E+00	1,259477E+20	1,305137E+21
1383	3,663118E+21	6,567923E+21	8,800140E+21	8,800276E+21	6,568249E+21	3,663341E+21	1,305211E+21	1,259653E+20	0,000000E+00	0,000000E+00	1,260051E+20	1,305382E+21
1384	3,663473E+21	6,568158E+21	8,799955E+21	8,799798E+21	6,567850E+21	3,663247E+21	1,305236E+21	1,259514E+20	0,000000E+00	0,000000E+00	1,259550E+20	1,305248E+21
1385	3,663279E+21	6,567915E+21	8,799887E+21	8,800118E+21	6,568333E+21	3,663553E+21	1,305380E+21	1,259888E+20	0,000000E+00	0,000000E+00	1,259326E+20	1,305156E+21
1386	3,663342E+21	6,568414E+21	8,800616E+21	8,800561E+21	6,568291E+21	3,663249E+21	1,305107E+21	1,259119E+20	0,000000E+00	0,000000E+00	1,259617E+20	1,305333E+21
1387	3,663593E+21	6,568608E+21	8,800542E+21	8,800331E+21	6,568287E+21	3,663412E+21	1,305224E+21	1,259127E+20	0,000000E+00	0,000000E+00	1,258778E+20	1,305091E+21
1388	3,663277E+21	6,568392E+21	8,800890E+21	8,801091E+21	6,568837E+21	3,663593E+21	1,305226E+21	1,259174E+20	0,000000E+00	0,000000E+00	1,258935E+20	1,305151E+21
1389	3,663538E+21	6,568889E+21	8,801290E+21	8,801252E+21	6,568682E+21	3,663317E+21	1,305020E+21	1,258407E+20	0,000000E+00	0,000000E+00	1,258939E+20	1,305230E+21
1390	3,663596E+21	6,568793E+21	8,800965E+21	8,801042E+21	6,568920E+21	3,663650E+21	1,305230E+21	1,258860E+20	0,000000E+00	0,000000E+00	1,258279E+20	1,305009E+21
1391	3,663351E+21	6,568764E+21	8,801408E+21	8,801519E+21	6,569106E+21	3,663613E+21	1,305112E+21	1,258622E+20	0,000000E+00	0,000000E+00	1,258878E+20	1,305200E+21
1392	3,663664E+21	6,569059E+21	8,801388E+21	8,801157E+21	6,568618E+21	3,663383E+21	1,305072E+21	1,258384E+20	0,000000E+00	0,000000E+00	1,258589E+20	1,305136E+21

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°
1393	3,663472E+21	6,568657E+21	8,800953E+21	8,801097E+21	6,568908E+21	3,663675E+21	1,305300E+21	1,259250E+20	0,000000E+00	0,000000E+00	1,258600E+20	1,305024E+21
1394	3,663311E+21	6,568648E+21	8,801152E+21	8,801208E+21	6,568781E+21	3,663401E+21	1,305083E+21	1,258831E+20	0,000000E+00	0,000000E+00	1,259401E+20	1,305296E+21
1395	3,663584E+21	6,568626E+21	8,800585E+21	8,800343E+21	6,568227E+21	3,663346E+21	1,305188E+21	1,259159E+20	0,000000E+00	0,000000E+00	1,259125E+20	1,305183E+21
1396	3,663276E+21	6,568055E+21	8,800194E+21	8,800374E+21	6,568414E+21	3,663521E+21	1,305331E+21	1,259806E+20	0,000000E+00	0,000000E+00	1,259602E+20	1,305217E+21
1397	3,663370E+21	6,568258E+21	8,800266E+21	8,800175E+21	6,567972E+21	3,663129E+21	1,305135E+21	1,259438E+20	0,000000E+00	0,000000E+00	1,260131E+20	1,305404E+21
1398	3,663452E+21	6,568031E+21	8,799633E+21	8,799469E+21	6,567763E+21	3,663313E+21	1,305378E+21	1,260214E+20	0,000000E+00	0,000000E+00	1,259804E+20	1,305196E+21
1399	3,663041E+21	6,567559E+21	8,799601E+21	8,799746E+21	6,567952E+21	3,663354E+21	1,305360E+21	1,260363E+20	0,000000E+00	0,000000E+00	1,260427E+20	1,305353E+21
1400	3,663258E+21	6,567715E+21	8,799432E+21	8,799294E+21	6,567402E+21	3,663037E+21	1,305257E+21	1,260146E+20	0,000000E+00	0,000000E+00	1,260514E+20	1,305402E+21
1401	3,663179E+21	6,567334E+21	8,798834E+21	8,798977E+21	6,567613E+21	3,663376E+21	1,305503E+21	1,260819E+20	0,000000E+00	0,000000E+00	1,260198E+20	1,305231E+21
1402	3,662987E+21	6,567334E+21	8,799207E+21	8,799359E+21	6,567679E+21	3,663201E+21	1,305300E+21	1,260359E+20	0,000000E+00	0,000000E+00	1,260715E+20	1,305465E+21
1403	3,663402E+21	6,567748E+21	8,799172E+21	8,798899E+21	6,567241E+21	3,663068E+21	1,305297E+21	1,260134E+20	0,000000E+00	0,000000E+00	1,260215E+20	1,305335E+21
1404	3,663184E+21	6,567501E+21	8,799236E+21	8,799393E+21	6,567788E+21	3,663368E+21	1,305434E+21	1,260481E+20	0,000000E+00	0,000000E+00	1,259917E+20	1,305220E+21
1405	3,663200E+21	6,567936E+21	8,799938E+21	8,799906E+21	6,567849E+21	3,663108E+21	1,305167E+21	1,259717E+20	0,000000E+00	0,000000E+00	1,260245E+20	1,305406E+21
1406	3,663439E+21	6,568080E+21	8,799859E+21	8,799702E+21	6,567873E+21	3,663301E+21	1,305293E+21	1,259737E+20	0,000000E+00	0,000000E+00	1,259390E+20	1,305166E+21
1407	3,663140E+21	6,567845E+21	8,800096E+21	8,800367E+21	6,568418E+21	3,663511E+21	1,305305E+21	1,259778E+20	0,000000E+00	0,000000E+00	1,259543E+20	1,305223E+21
1408	3,663400E+21	6,568334E+21	8,800394E+21	8,800350E+21	6,568147E+21	3,663210E+21	1,305112E+21	1,259070E+20	0,000000E+00	0,000000E+00	1,259567E+20	1,305300E+21
1409	3,663466E+21	6,568300E+21	8,800172E+21	8,800148E+21	6,568327E+21	3,663519E+21	1,305333E+21	1,259607E+20	0,000000E+00	0,000000E+00	1,258953E+20	1,305074E+21
1410	3,663177E+21	6,568171E+21	8,800549E+21	8,800678E+21	6,568550E+21	3,663468E+21	1,305213E+21	1,259410E+20	0,000000E+00	0,000000E+00	1,259584E+20	1,305269E+21
1411	3,663503E+21	6,568480E+21	8,800482E+21	8,800235E+21	6,568003E+21	3,663195E+21	1,305143E+21	1,259127E+20	0,000000E+00	0,000000E+00	1,259409E+20	1,305247E+21
1412	3,663320E+21	6,568027E+21	8,800007E+21	8,800163E+21	6,568282E+21	3,663477E+21	1,305361E+21	1,259949E+20	0,000000E+00	0,000000E+00	1,259409E+20	1,305137E+21
1413	3,663177E+21	6,568021E+21	8,800153E+21	8,800214E+21	6,568151E+21	3,663233E+21	1,305160E+21	1,259542E+20	0,000000E+00	0,000000E+00	1,260221E+20	1,305413E+21
1414	3,663471E+21	6,568061E+21	8,799712E+21	8,799435E+21	6,567605E+21	3,663179E+21	1,305276E+21	1,259912E+20	0,000000E+00	0,000000E+00	1,259898E+20	1,305280E+21
1415	3,663149E+21	6,567507E+21	8,799327E+21	8,799483E+21	6,567839E+21	3,663385E+21	1,305429E+21	1,260572E+20	0,000000E+00	0,000000E+00	1,260326E+20	1,305287E+21
1416	3,663176E+21	6,567624E+21	8,799321E+21	8,799216E+21	6,567365E+21	3,662998E+21	1,305252E+21	1,260289E+20	0,000000E+00	0,000000E+00	1,260883E+20	1,305477E+21
1417	3,663248E+21	6,567377E+21	8,798712E+21	8,798552E+21	6,567170E+21	3,663180E+21	1,305494E+21	1,261085E+20	0,000000E+00	0,000000E+00	1,260602E+20	1,305283E+21
1418	3,662832E+21	6,566814E+21	8,798532E+21	8,798795E+21	6,567391E+21	3,663230E+21	1,305468E+21	1,261196E+20	0,000000E+00	0,000000E+00	1,261209E+20	1,305452E+21
1419	3,663129E+21	6,567106E+21	8,798401E+21	8,798238E+21	6,566737E+21	3,662865E+21	1,305336E+21	1,260861E+20	0,000000E+00	0,000000E+00	1,261324E+20	1,305524E+21
1420	3,663094E+21	6,566823E+21	8,797959E+21	8,798024E+21	6,566939E+21	3,663161E+21	1,305560E+21	1,261451E+20	0,000000E+00	0,000000E+00	1,260888E+20	1,305321E+21
1421	3,662885E+21	6,566872E+21	8,798425E+21	8,798503E+21	6,567088E+21	3,663029E+21	1,305368E+21	1,260999E+20	0,000000E+00	0,000000E+00	1,261368E+20	1,305537E+21
1422	3,663264E+21	6,567290E+21	8,798559E+21	8,798269E+21	6,566759E+21	3,662917E+21	1,305366E+21	1,260773E+20	0,000000E+00	0,000000E+00	1,260810E+20	1,305391E+21
1423	3,663021E+21	6,566985E+21	8,798544E+21	8,798785E+21	6,567402E+21	3,663263E+21	1,305503E+21	1,261095E+20	0,000000E+00	0,000000E+00	1,260493E+20	1,305273E+21
1424	3,663010E+21	6,567331E+21	8,799072E+21	8,799124E+21	6,567416E+21	3,663038E+21	1,305258E+21	1,260361E+20	0,000000E+00	0,000000E+00	1,260855E+20	1,305476E+21
1425	3,663294E+21	6,567536E+21	8,799035E+21	8,798888E+21	6,567376E+21	3,663213E+21	1,305389E+21	1,260399E+20	0,000000E+00	0,000000E+00	1,260028E+20	1,305243E+21
1426	3,663008E+21	6,567286E+21	8,799213E+21	8,799531E+21	6,567912E+21	3,663403E+21	1,305399E+21	1,260456E+20	0,000000E+00	0,000000E+00	1,260176E+20	1,305293E+21
1427	3,663296E+21	6,567874E+21	8,799577E+21	8,799446E+21	6,567534E+21	3,663044E+21	1,305183E+21	1,259715E+20	0,000000E+00	0,000000E+00	1,260274E+20	1,305390E+21
1428	3,663344E+21	6,567812E+21	8,799414E+21	8,799329E+21	6,567703E+21	3,663308E+21	1,305391E+21	1,260257E+20	0,000000E+00	0,000000E+00	1,259659E+20	1,305160E+21

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°
1429	3,663029E+21	6,567612E+21	8,799695E+21	8,799840E+21	6,567987E+21	3,663297E+21	1,305280E+21	1,260094E+20	0,000000E+00	0,000000E+00	1,260357E+20	1,305373E+21
1430	3,663358E+21	6,567890E+21	8,799630E+21	8,799414E+21	6,567450E+21	3,663038E+21	1,305216E+21	1,259841E+20	0,000000E+00	0,000000E+00	1,260189E+20	1,305359E+21
1431	3,663209E+21	6,567452E+21	8,799081E+21	8,799265E+21	6,567716E+21	3,663335E+21	1,305442E+21	1,260654E+20	0,000000E+00	0,000000E+00	1,260162E+20	1,305232E+21
1432	3,663040E+21	6,567429E+21	8,799172E+21	8,799199E+21	6,567513E+21	3,663097E+21	1,305270E+21	1,260346E+20	0,000000E+00	0,000000E+00	1,260972E+20	1,305497E+21
1433	3,663317E+21	6,567497E+21	8,798833E+21	8,798487E+21	6,566964E+21	3,663040E+21	1,305398E+21	1,260797E+20	0,000000E+00	0,000000E+00	1,260680E+20	1,305349E+21
1434	3,662935E+21	6,566827E+21	8,798365E+21	8,798587E+21	6,567266E+21	3,663255E+21	1,305553E+21	1,261471E+20	0,000000E+00	0,000000E+00	1,261103E+20	1,305357E+21
1435	3,662969E+21	6,566944E+21	8,798297E+21	8,798217E+21	6,566725E+21	3,662831E+21	1,305347E+21	1,261121E+20	0,000000E+00	0,000000E+00	1,261739E+20	1,305583E+21
1436	3,663063E+21	6,566677E+21	8,797670E+21	8,797553E+21	6,566511E+21	3,662992E+21	1,305572E+21	1,261819E+20	0,000000E+00	0,000000E+00	1,261409E+20	1,305393E+21
1437	3,662695E+21	6,566177E+21	8,797494E+21	8,797780E+21	6,566748E+21	3,663059E+21	1,305545E+21	1,261889E+20	0,000000E+00	0,000000E+00	1,261978E+20	1,305560E+21
1438	3,663015E+21	6,566574E+21	8,797559E+21	8,797363E+21	6,566130E+21	3,662691E+21	1,305409E+21	1,261535E+20	0,000000E+00	0,000000E+00	1,262012E+20	1,305613E+21
1439	3,662992E+21	6,566365E+21	8,797215E+21	8,797249E+21	6,566412E+21	3,663014E+21	1,305629E+21	1,262079E+20	0,000000E+00	0,000000E+00	1,261487E+20	1,305379E+21
1440	3,662725E+21	6,566364E+21	8,797672E+21	8,797737E+21	6,566576E+21	3,662908E+21	1,305461E+21	1,261702E+20	0,000000E+00	0,000000E+00	1,261979E+20	1,305596E+21
1441	3,663094E+21	6,566761E+21	8,797822E+21	8,797576E+21	6,566316E+21	3,662818E+21	1,305457E+21	1,261479E+20	0,000000E+00	0,000000E+00	1,261457E+20	1,305459E+21
1442	3,662851E+21	6,566386E+21	8,797675E+21	8,798034E+21	6,566979E+21	3,663185E+21	1,305593E+21	1,261766E+20	0,000000E+00	0,000000E+00	1,261136E+20	1,305353E+21
1443	3,662904E+21	6,566824E+21	8,798189E+21	8,798224E+21	6,566855E+21	3,662904E+21	1,305327E+21	1,260959E+20	0,000000E+00	0,000000E+00	1,261544E+20	1,305573E+21
1444	3,663207E+21	6,567085E+21	8,798258E+21	8,798053E+21	6,566773E+21	3,663023E+21	1,305443E+21	1,260961E+20	0,000000E+00	0,000000E+00	1,260669E+20	1,305326E+21
1445	3,662905E+21	6,566838E+21	8,798443E+21	8,798709E+21	6,567340E+21	3,663236E+21	1,305466E+21	1,261071E+20	0,000000E+00	0,000000E+00	1,260842E+20	1,305368E+21
1446	3,663140E+21	6,567377E+21	8,798899E+21	8,798760E+21	6,567013E+21	3,662880E+21	1,305252E+21	1,260374E+20	0,000000E+00	0,000000E+00	1,260943E+20	1,305468E+21
1447	3,663189E+21	6,567266E+21	8,798622E+21	8,798596E+21	6,567224E+21	3,663167E+21	1,305456E+21	1,260908E+20	0,000000E+00	0,000000E+00	1,260336E+20	1,305236E+21
1448	3,662849E+21	6,566984E+21	8,798739E+21	8,798921E+21	6,567429E+21	3,663185E+21	1,305380E+21	1,260834E+20	0,000000E+00	0,000000E+00	1,261074E+20	1,305463E+21
1449	3,663218E+21	6,567310E+21	8,798704E+21	8,798492E+21	6,566873E+21	3,662918E+21	1,305324E+21	1,260644E+20	0,000000E+00	0,000000E+00	1,260940E+20	1,305447E+21
1450	3,663061E+21	6,566847E+21	8,798107E+21	8,798321E+21	6,567135E+21	3,663214E+21	1,305558E+21	1,261487E+20	0,000000E+00	0,000000E+00	1,260911E+20	1,305311E+21
1451	3,662893E+21	6,566857E+21	8,798224E+21	8,798193E+21	6,566838E+21	3,662932E+21	1,305375E+21	1,261178E+20	0,000000E+00	0,000000E+00	1,261791E+20	1,305588E+21
1452	3,663136E+21	6,566874E+21	8,797924E+21	8,797576E+21	6,566292E+21	3,662826E+21	1,305485E+21	1,261607E+20	0,000000E+00	0,000000E+00	1,261524E+20	1,305446E+21
1453	3,662739E+21	6,566129E+21	8,797312E+21	8,797602E+21	6,566642E+21	3,663084E+21	1,305641E+21	1,262268E+20	0,000000E+00	0,000000E+00	1,261978E+20	1,305470E+21
1454	3,662780E+21	6,566249E+21	8,797294E+21	8,797261E+21	6,566104E+21	3,662667E+21	1,305431E+21	1,261883E+20	0,000000E+00	0,000000E+00	1,262573E+20	1,305703E+21
1455	3,662947E+21	6,566077E+21	8,796675E+21	8,796564E+21	6,565879E+21	3,662820E+21	1,305645E+21	1,262506E+20	0,000000E+00	0,000000E+00	1,262146E+20	1,305487E+21
1456	3,662566E+21	6,565621E+21	8,796546E+21	8,796767E+21	6,566089E+21	3,662902E+21	1,305643E+21	1,262639E+20	0,000000E+00	0,000000E+00	1,262661E+20	1,305638E+21
1457	3,662882E+21	6,566081E+21	8,796774E+21	8,796528E+21	6,565567E+21	3,662551E+21	1,305509E+21	1,262314E+20	0,000000E+00	0,000000E+00	1,262681E+20	1,305673E+21
1458	3,662811E+21	6,565799E+21	8,796415E+21	8,796519E+21	6,565946E+21	3,662897E+21	1,305725E+21	1,262819E+20	0,000000E+00	0,000000E+00	1,262135E+20	1,305443E+21
1459	3,662565E+21	6,565809E+21	8,796833E+21	8,796926E+21	6,566063E+21	3,662778E+21	1,305537E+21	1,262368E+20	0,000000E+00	0,000000E+00	1,262683E+20	1,305686E+21
1460	3,662952E+21	6,566210E+21	8,797001E+21	8,796794E+21	6,565789E+21	3,662663E+21	1,305517E+21	1,262040E+20	0,000000E+00	0,000000E+00	1,262121E+20	1,305551E+21
1461	3,662743E+21	6,565888E+21	8,796827E+21	8,797197E+21	6,566457E+21	3,663051E+21	1,305657E+21	1,262320E+20	0,000000E+00	0,000000E+00	1,261779E+20	1,305437E+21
1462	3,662786E+21	6,566378E+21	8,797495E+21	8,797487E+21	6,566346E+21	3,662761E+21	1,305392E+21	1,261528E+20	0,000000E+00	0,000000E+00	1,262133E+20	1,305643E+21
1463	3,663097E+21	6,566662E+21	8,797580E+21	8,797346E+21	6,566286E+21	3,662880E+21	1,305507E+21	1,261540E+20	0,000000E+00	0,000000E+00	1,261227E+20	1,305379E+21
1464	3,662739E+21	6,566327E+21	8,797682E+21	8,797943E+21	6,566826E+21	3,663106E+21	1,305560E+21	1,261776E+20	0,000000E+00	0,000000E+00	1,261471E+20	1,305437E+21

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°
1465	3,662972E+21	6,566814E+21	8,798076E+21	8,797994E+21	6,566546E+21	3,662773E+21	1,305351E+21	1,261141E+20	0,000000E+00	0,000000E+00	1,261647E+20	1,305552E+21
1466	3,663027E+21	6,566645E+21	8,797680E+21	8,797739E+21	6,566726E+21	3,663065E+21	1,305556E+21	1,261663E+20	0,000000E+00	0,000000E+00	1,261077E+20	1,305336E+21
1467	3,662745E+21	6,566436E+21	8,797777E+21	8,797905E+21	6,566768E+21	3,663016E+21	1,305469E+21	1,261578E+20	0,000000E+00	0,000000E+00	1,261870E+20	1,305568E+21
1468	3,663099E+21	6,566774E+21	8,797815E+21	8,797547E+21	6,566194E+21	3,662708E+21	1,305404E+21	1,261384E+20	0,000000E+00	0,000000E+00	1,261729E+20	1,305538E+21
1469	3,662907E+21	6,566278E+21	8,797194E+21	8,797380E+21	6,566497E+21	3,663037E+21	1,305649E+21	1,262266E+20	0,000000E+00	0,000000E+00	1,261735E+20	1,305398E+21
1470	3,662675E+21	6,566205E+21	8,797345E+21	8,797339E+21	6,566242E+21	3,662758E+21	1,305467E+21	1,261986E+20	0,000000E+00	0,000000E+00	1,262601E+20	1,305681E+21
1471	3,662939E+21	6,566186E+21	8,796917E+21	8,796654E+21	6,565726E+21	3,662674E+21	1,305570E+21	1,262365E+20	0,000000E+00	0,000000E+00	1,262320E+20	1,305541E+21
1472	3,662547E+21	6,565419E+21	8,796208E+21	8,796522E+21	6,565990E+21	3,662945E+21	1,305750E+21	1,263067E+20	0,000000E+00	0,000000E+00	1,262760E+20	1,305576E+21
1473	3,662639E+21	6,565622E+21	8,796270E+21	8,796240E+21	6,565474E+21	3,662523E+21	1,305539E+21	1,262704E+20	0,000000E+00	0,000000E+00	1,263329E+20	1,305795E+21
1474	3,662809E+21	6,565502E+21	8,795731E+21	8,795612E+21	6,565283E+21	3,662678E+21	1,305745E+21	1,263278E+20	0,000000E+00	0,000000E+00	1,262852E+20	1,305568E+21
1475	3,662446E+21	6,565119E+21	8,795706E+21	8,795833E+21	6,565436E+21	3,662718E+21	1,305730E+21	1,263389E+20	0,000000E+00	0,000000E+00	1,263387E+20	1,305722E+21
1476	3,662733E+21	6,565556E+21	8,796015E+21	8,795775E+21	6,565006E+21	3,662359E+21	1,305578E+21	1,263001E+20	0,000000E+00	0,000000E+00	1,263403E+20	1,305759E+21
1477	3,662656E+21	6,565237E+21	8,795571E+21	8,795736E+21	6,565462E+21	3,662762E+21	1,305792E+21	1,263457E+20	0,000000E+00	0,000000E+00	1,262862E+20	1,305540E+21
1478	3,662412E+21	6,565260E+21	8,796053E+21	8,796168E+21	6,565578E+21	3,662654E+21	1,305608E+21	1,262970E+20	0,000000E+00	0,000000E+00	1,263342E+20	1,305778E+21
1479	3,662855E+21	6,565737E+21	8,796219E+21	8,796013E+21	6,565297E+21	3,662529E+21	1,305577E+21	1,262578E+20	0,000000E+00	0,000000E+00	1,262693E+20	1,305614E+21
1480	3,662614E+21	6,565421E+21	8,796046E+21	8,796348E+21	6,565914E+21	3,662926E+21	1,305748E+21	1,262961E+20	0,000000E+00	0,000000E+00	1,262342E+20	1,305494E+21
1481	3,662639E+21	6,565898E+21	8,796776E+21	8,796764E+21	6,565881E+21	3,662648E+21	1,305489E+21	1,262245E+20	0,000000E+00	0,000000E+00	1,262723E+20	1,305691E+21
1482	3,662908E+21	6,566097E+21	8,796791E+21	8,796629E+21	6,565846E+21	3,662769E+21	1,305599E+21	1,262261E+20	0,000000E+00	0,000000E+00	1,261866E+20	1,305451E+21
1483	3,662585E+21	6,565748E+21	8,796796E+21	8,797065E+21	6,566270E+21	3,662958E+21	1,305641E+21	1,262482E+20	0,000000E+00	0,000000E+00	1,262214E+20	1,305540E+21
1484	3,662845E+21	6,566246E+21	8,797197E+21	8,797123E+21	6,565954E+21	3,662593E+21	1,305420E+21	1,261795E+20	0,000000E+00	0,000000E+00	1,262404E+20	1,305661E+21
1485	3,662923E+21	6,566107E+21	8,796756E+21	8,796790E+21	6,566119E+21	3,662897E+21	1,305628E+21	1,262331E+20	0,000000E+00	0,000000E+00	1,261858E+20	1,305438E+21
1486	3,662611E+21	6,565923E+21	8,796980E+21	8,797035E+21	6,566170E+21	3,662849E+21	1,305550E+21	1,262278E+20	0,000000E+00	0,000000E+00	1,262602E+20	1,305654E+21
1487	3,662955E+21	6,566246E+21	8,796997E+21	8,796701E+21	6,565619E+21	3,662539E+21	1,305484E+21	1,262110E+20	0,000000E+00	0,000000E+00	1,262452E+20	1,305606E+21
1488	3,662695E+21	6,565630E+21	8,796249E+21	8,796439E+21	6,565900E+21	3,662893E+21	1,305762E+21	1,263105E+20	0,000000E+00	0,000000E+00	1,262519E+20	1,305489E+21
1489	3,662473E+21	6,565491E+21	8,796304E+21	8,796394E+21	6,565697E+21	3,662638E+21	1,305583E+21	1,262870E+20	0,000000E+00	0,000000E+00	1,263415E+20	1,305778E+21
1490	3,662755E+21	6,565467E+21	8,795806E+21	8,795612E+21	6,565121E+21	3,662545E+21	1,305682E+21	1,263205E+20	0,000000E+00	0,000000E+00	1,263142E+20	1,305656E+21
1491	3,662437E+21	6,564815E+21	8,795153E+21	8,795378E+21	6,565233E+21	3,662739E+21	1,305844E+21	1,263866E+20	0,000000E+00	0,000000E+00	1,263579E+20	1,305688E+21
1492	3,662526E+21	6,565085E+21	8,795382E+21	8,795258E+21	6,564759E+21	3,662298E+21	1,305618E+21	1,263459E+20	0,000000E+00	0,000000E+00	1,264109E+20	1,305886E+21
1493	3,662665E+21	6,564966E+21	8,794897E+21	8,794732E+21	6,564673E+21	3,662495E+21	1,305822E+21	1,264006E+20	0,000000E+00	0,000000E+00	1,263621E+20	1,305650E+21
1494	3,662255E+21	6,564556E+21	8,794963E+21	8,795098E+21	6,564923E+21	3,662560E+21	1,305805E+21	1,264094E+20	0,000000E+00	0,000000E+00	1,264091E+20	1,305804E+21
1495	3,662570E+21	6,564977E+21	8,795181E+21	8,795022E+21	6,564565E+21	3,662243E+21	1,305646E+21	1,263621E+20	0,000000E+00	0,000000E+00	1,264046E+20	1,305828E+21
1496	3,662488E+21	6,564650E+21	8,794689E+21	8,794876E+21	6,564963E+21	3,662667E+21	1,305888E+21	1,264106E+20	0,000000E+00	0,000000E+00	1,263476E+20	1,305619E+21
1497	3,662284E+21	6,564722E+21	8,795204E+21	8,795363E+21	6,565118E+21	3,662564E+21	1,305707E+21	1,263657E+20	0,000000E+00	0,000000E+00	1,263913E+20	1,305833E+21
1498	3,662707E+21	6,565226E+21	8,795432E+21	8,795230E+21	6,564831E+21	3,662434E+21	1,305672E+21	1,263237E+20	0,000000E+00	0,000000E+00	1,263266E+20	1,305678E+21
1499	3,662494E+21	6,564955E+21	8,795303E+21	8,795507E+21	6,565322E+21	3,662754E+21	1,305825E+21	1,263634E+20	0,000000E+00	0,000000E+00	1,262989E+20	1,305573E+21
1500	3,662500E+21	6,565384E+21	8,796033E+21	8,796018E+21	6,565342E+21	3,662464E+21	1,305552E+21	1,262887E+20	0,000000E+00	0,000000E+00	1,263425E+20	1,305784E+21

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°
1501	3,662779E+21	6,565552E+21	8,795951E+21	8,795814E+21	6,565342E+21	3,662621E+21	1,305655E+21	1,262875E+20	0,000000E+00	0,000000E+00	1,262622E+20	1,305561E+21
1502	3,662471E+21	6,565243E+21	8,796014E+21	8,796238E+21	6,565718E+21	3,662795E+21	1,305701E+21	1,263095E+20	0,000000E+00	0,000000E+00	1,262927E+20	1,305645E+21
1503	3,662767E+21	6,565783E+21	8,796396E+21	8,796278E+21	6,565408E+21	3,662434E+21	1,305482E+21	1,262405E+20	0,000000E+00	0,000000E+00	1,263049E+20	1,305730E+21
1504	3,662780E+21	6,565601E+21	8,795948E+21	8,795895E+21	6,565530E+21	3,662754E+21	1,305729E+21	1,263077E+20	0,000000E+00	0,000000E+00	1,262543E+20	1,305507E+21
1505	3,662428E+21	6,565324E+21	8,796125E+21	8,796221E+21	6,565659E+21	3,662729E+21	1,305668E+21	1,263133E+20	0,000000E+00	0,000000E+00	1,263309E+20	1,305707E+21
1506	3,662713E+21	6,565540E+21	8,796031E+21	8,795827E+21	6,565111E+21	3,662432E+21	1,305601E+21	1,262971E+20	0,000000E+00	0,000000E+00	1,263238E+20	1,305696E+21
1507	3,662504E+21	6,564914E+21	8,795165E+21	8,795345E+21	6,565218E+21	3,662726E+21	1,305865E+21	1,263944E+20	0,000000E+00	0,000000E+00	1,263379E+20	1,305607E+21
1508	3,662323E+21	6,564808E+21	8,795236E+21	8,795320E+21	6,564987E+21	3,662438E+21	1,305672E+21	1,263656E+20	0,000000E+00	0,000000E+00	1,264266E+20	1,305897E+21
1509	3,662634E+21	6,564853E+21	8,794769E+21	8,794534E+21	6,564425E+21	3,662348E+21	1,305761E+21	1,263966E+20	0,000000E+00	0,000000E+00	1,263988E+20	1,305766E+21
1510	3,662302E+21	6,564283E+21	8,794321E+21	8,794442E+21	6,564566E+21	3,662534E+21	1,305920E+21	1,264611E+20	0,000000E+00	0,000000E+00	1,264337E+20	1,305781E+21
1511	3,662392E+21	6,564563E+21	8,794593E+21	8,794437E+21	6,564191E+21	3,662122E+21	1,305694E+21	1,264187E+20	0,000000E+00	0,000000E+00	1,264812E+20	1,305953E+21
1512	3,662469E+21	6,564356E+21	8,794048E+21	8,793903E+21	6,564151E+21	3,662369E+21	1,305922E+21	1,264773E+20	0,000000E+00	0,000000E+00	1,264348E+20	1,305737E+21
1513	3,662081E+21	6,563914E+21	8,794044E+21	8,794305E+21	6,564493E+21	3,662481E+21	1,305911E+21	1,264869E+20	0,000000E+00	0,000000E+00	1,264777E+20	1,305879E+21
1514	3,662407E+21	6,564365E+21	8,794244E+21	8,794147E+21	6,564086E+21	3,662162E+21	1,305747E+21	1,264323E+20	0,000000E+00	0,000000E+00	1,264715E+20	1,305916E+21
1515	3,662380E+21	6,564124E+21	8,793797E+21	8,793894E+21	6,564323E+21	3,662505E+21	1,305969E+21	1,264770E+20	0,000000E+00	0,000000E+00	1,264133E+20	1,305704E+21
1516	3,662177E+21	6,564241E+21	8,794439E+21	8,794532E+21	6,564519E+21	3,662378E+21	1,305773E+21	1,264282E+20	0,000000E+00	0,000000E+00	1,264558E+20	1,305904E+21
1517	3,662568E+21	6,564724E+21	8,794675E+21	8,794452E+21	6,564295E+21	3,662264E+21	1,305731E+21	1,263852E+20	0,000000E+00	0,000000E+00	1,263944E+20	1,305757E+21
1518	3,662339E+21	6,564461E+21	8,794625E+21	8,794807E+21	6,564824E+21	3,662586E+21	1,305876E+21	1,264228E+20	0,000000E+00	0,000000E+00	1,263647E+20	1,305664E+21
1519	3,662391E+21	6,564892E+21	8,795279E+21	8,795279E+21	6,564879E+21	3,662332E+21	1,305605E+21	1,263442E+20	0,000000E+00	0,000000E+00	1,264039E+20	1,305859E+21
1520	3,662652E+21	6,565041E+21	8,795150E+21	8,794987E+21	6,564826E+21	3,662505E+21	1,305738E+21	1,263503E+20	0,000000E+00	0,000000E+00	1,263252E+20	1,305644E+21
1521	3,662362E+21	6,564741E+21	8,795204E+21	8,795458E+21	6,565260E+21	3,662697E+21	1,305798E+21	1,263809E+20	0,000000E+00	0,000000E+00	1,263527E+20	1,305694E+21
1522	3,662599E+21	6,565245E+21	8,795585E+21	8,795466E+21	6,564924E+21	3,662342E+21	1,305591E+21	1,263162E+20	0,000000E+00	0,000000E+00	1,263700E+20	1,305793E+21
1523	3,662607E+21	6,565011E+21	8,795082E+21	8,794975E+21	6,564896E+21	3,662587E+21	1,305834E+21	1,263900E+20	0,000000E+00	0,000000E+00	1,263315E+20	1,305595E+21
1524	3,662241E+21	6,564647E+21	8,795170E+21	8,795313E+21	6,565051E+21	3,662554E+21	1,305762E+21	1,263943E+20	0,000000E+00	0,000000E+00	1,264154E+20	1,305813E+21
1525	3,662533E+21	6,564827E+21	8,794952E+21	8,794791E+21	6,564479E+21	3,662273E+21	1,305689E+21	1,263766E+20	0,000000E+00	0,000000E+00	1,264153E+20	1,305826E+21
1526	3,662368E+21	6,564300E+21	8,794182E+21	8,794287E+21	6,564501E+21	3,662517E+21	1,305940E+21	1,264693E+20	0,000000E+00	0,000000E+00	1,264229E+20	1,305733E+21
1527	3,662237E+21	6,564268E+21	8,794291E+21	8,794295E+21	6,564302E+21	3,662236E+21	1,305744E+21	1,264383E+20	0,000000E+00	0,000000E+00	1,265013E+20	1,305979E+21
1528	3,662485E+21	6,564297E+21	8,793894E+21	8,793577E+21	6,563773E+21	3,662175E+21	1,305859E+21	1,264767E+20	0,000000E+00	0,000000E+00	1,264742E+20	1,305847E+21
1529	3,662129E+21	6,563674E+21	8,793446E+21	8,793638E+21	6,564058E+21	3,662403E+21	1,306029E+21	1,265470E+20	0,000000E+00	0,000000E+00	1,265048E+20	1,305839E+21
1530	3,662167E+21	6,563885E+21	8,793662E+21	8,793615E+21	6,563738E+21	3,662044E+21	1,305808E+21	1,265010E+20	0,000000E+00	0,000000E+00	1,265556E+20	1,306041E+21
1531	3,662292E+21	6,563688E+21	8,793064E+21	8,792932E+21	6,563546E+21	3,662234E+21	1,306019E+21	1,265525E+20	0,000000E+00	0,000000E+00	1,265114E+20	1,305842E+21
1532	3,661950E+21	6,563300E+21	8,793090E+21	8,793366E+21	6,563879E+21	3,662323E+21	1,305994E+21	1,265543E+20	0,000000E+00	0,000000E+00	1,265489E+20	1,305969E+21
1533	3,662284E+21	6,563826E+21	8,793348E+21	8,793224E+21	6,563501E+21	3,662012E+21	1,305816E+21	1,264940E+20	0,000000E+00	0,000000E+00	1,265406E+20	1,305998E+21
1534	3,662259E+21	6,563694E+21	8,793116E+21	8,793088E+21	6,563724E+21	3,662315E+21	1,306022E+21	1,265353E+20	0,000000E+00	0,000000E+00	1,264746E+20	1,305781E+21
1535	3,662071E+21	6,563811E+21	8,793771E+21	8,793831E+21	6,564018E+21	3,662214E+21	1,305825E+21	1,264856E+20	0,000000E+00	0,000000E+00	1,265124E+20	1,305958E+21
1536	3,662411E+21	6,564214E+21	8,793952E+21	8,793758E+21	6,563847E+21	3,662144E+21	1,305804E+21	1,264479E+20	0,000000E+00	0,000000E+00	1,264568E+20	1,305841E+21

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°
1537	3,662216E+21	6,563926E+21	8,793826E+21	8,794119E+21	6,564435E+21	3,662500E+21	1,305960E+21	1,264898E+20	0,000000E+00	0,000000E+00	1,264256E+20	1,305734E+21
1538	3,662263E+21	6,564375E+21	8,794465E+21	8,794496E+21	6,564431E+21	3,662259E+21	1,305703E+21	1,264112E+20	0,000000E+00	0,000000E+00	1,264664E+20	1,305937E+21
1539	3,662540E+21	6,564547E+21	8,794337E+21	8,794085E+21	6,564208E+21	3,662350E+21	1,305826E+21	1,264206E+20	0,000000E+00	0,000000E+00	1,263929E+20	1,305720E+21
1540	3,662224E+21	6,564216E+21	8,794408E+21	8,794621E+21	6,564664E+21	3,662534E+21	1,305887E+21	1,264537E+20	0,000000E+00	0,000000E+00	1,264244E+20	1,305758E+21
1541	3,662400E+21	6,564620E+21	8,794693E+21	8,794605E+21	6,564361E+21	3,662193E+21	1,305678E+21	1,263925E+20	0,000000E+00	0,000000E+00	1,264503E+20	1,305879E+21
1542	3,662405E+21	6,564373E+21	8,794179E+21	8,794078E+21	6,564288E+21	3,662409E+21	1,305908E+21	1,264647E+20	0,000000E+00	0,000000E+00	1,264145E+20	1,305713E+21
1543	3,662107E+21	6,564012E+21	8,794160E+21	8,794330E+21	6,564432E+21	3,662390E+21	1,305836E+21	1,264652E+20	0,000000E+00	0,000000E+00	1,264932E+20	1,305915E+21
1544	3,662391E+21	6,564194E+21	8,793929E+21	8,793745E+21	6,563812E+21	3,662110E+21	1,305786E+21	1,264542E+20	0,000000E+00	0,000000E+00	1,264951E+20	1,305938E+21
1545	3,662255E+21	6,563716E+21	8,793218E+21	8,793343E+21	6,563906E+21	3,662365E+21	1,306040E+21	1,265512E+20	0,000000E+00	0,000000E+00	1,264961E+20	1,305807E+21
1546	3,662075E+21	6,563697E+21	8,793405E+21	8,793379E+21	6,563709E+21	3,662106E+21	1,305858E+21	1,265230E+20	0,000000E+00	0,000000E+00	1,265762E+20	1,306059E+21
1547	3,662303E+21	6,563669E+21	8,792979E+21	8,792630E+21	6,563110E+21	3,661995E+21	1,305963E+21	1,265628E+20	0,000000E+00	0,000000E+00	1,265561E+20	1,305942E+21
1548	3,661949E+21	6,563007E+21	8,792489E+21	8,792746E+21	6,563479E+21	3,662250E+21	1,306122E+21	1,266262E+20	0,000000E+00	0,000000E+00	1,265875E+20	1,305938E+21
1549	3,661991E+21	6,563206E+21	8,792626E+21	8,792634E+21	6,563156E+21	3,661917E+21	1,305898E+21	1,265753E+20	0,000000E+00	0,000000E+00	1,266385E+20	1,306149E+21
1550	3,662160E+21	6,563137E+21	8,792170E+21	8,791981E+21	6,562897E+21	3,662053E+21	1,306087E+21	1,266170E+20	0,000000E+00	0,000000E+00	1,265840E+20	1,305947E+21
1551	3,661869E+21	6,562833E+21	8,792267E+21	8,792485E+21	6,563277E+21	3,662147E+21	1,306053E+21	1,266142E+20	0,000000E+00	0,000000E+00	1,266082E+20	1,306023E+21
1552	3,662129E+21	6,563332E+21	8,792603E+21	8,792435E+21	6,562952E+21	3,661863E+21	1,305896E+21	1,265589E+20	0,000000E+00	0,000000E+00	1,266011E+20	1,306060E+21
1553	3,662103E+21	6,563172E+21	8,792384E+21	8,792454E+21	6,563314E+21	3,662196E+21	1,306102E+21	1,266034E+20	0,000000E+00	0,000000E+00	1,265310E+20	1,305828E+21
1554	3,661892E+21	6,563267E+21	8,792998E+21	8,793139E+21	6,563627E+21	3,662148E+21	1,305917E+21	1,265526E+20	0,000000E+00	0,000000E+00	1,265737E+20	1,306035E+21
1555	3,662273E+21	6,563664E+21	8,793115E+21	8,792935E+21	6,563318E+21	3,662022E+21	1,305886E+21	1,265132E+20	0,000000E+00	0,000000E+00	1,265225E+20	1,305933E+21
1556	3,662120E+21	6,563428E+21	8,793013E+21	8,793313E+21	6,563899E+21	3,662363E+21	1,306035E+21	1,265519E+20	0,000000E+00	0,000000E+00	1,264913E+20	1,305811E+21
1557	3,662139E+21	6,563876E+21	8,793646E+21	8,793656E+21	6,563897E+21	3,662135E+21	1,305782E+21	1,264756E+20	0,000000E+00	0,000000E+00	1,265349E+20	1,306008E+21
1558	3,662397E+21	6,564092E+21	8,793636E+21	8,793294E+21	6,563610E+21	3,662170E+21	1,305892E+21	1,264858E+20	0,000000E+00	0,000000E+00	1,264631E+20	1,305808E+21
1559	3,662092E+21	6,563695E+21	8,793600E+21	8,793828E+21	6,564118E+21	3,662370E+21	1,305955E+21	1,265207E+20	0,000000E+00	0,000000E+00	1,264942E+20	1,305830E+21
1560	3,662207E+21	6,563983E+21	8,793772E+21	8,793742E+21	6,563822E+21	3,662062E+21	1,305768E+21	1,264667E+20	0,000000E+00	0,000000E+00	1,265291E+20	1,305991E+21
1561	3,662270E+21	6,563731E+21	8,793172E+21	8,793169E+21	6,563738E+21	3,662275E+21	1,306004E+21	1,265438E+20	0,000000E+00	0,000000E+00	1,264910E+20	1,305809E+21
1562	3,661976E+21	6,563422E+21	8,793163E+21	8,793321E+21	6,563810E+21	3,662263E+21	1,305946E+21	1,265454E+20	0,000000E+00	0,000000E+00	1,265697E+20	1,306014E+21
1563	3,662261E+21	6,563617E+21	8,792967E+21	8,792692E+21	6,563075E+21	3,661906E+21	1,305884E+21	1,265384E+20	0,000000E+00	0,000000E+00	1,265753E+20	1,306031E+21
1564	3,662102E+21	6,563125E+21	8,792310E+21	8,792396E+21	6,563226E+21	3,662171E+21	1,306135E+21	1,266340E+20	0,000000E+00	0,000000E+00	1,265780E+20	1,305885E+21
1565	3,661860E+21	6,563018E+21	8,792435E+21	8,792456E+21	6,563113E+21	3,661958E+21	1,305959E+21	1,266075E+20	0,000000E+00	0,000000E+00	1,266618E+20	1,306149E+21
1566	3,662098E+21	6,563021E+21	8,792042E+21	8,791714E+21	6,562494E+21	3,661825E+21	1,306045E+21	1,266391E+20	0,000000E+00	0,000000E+00	1,266406E+20	1,306057E+21
1567	3,661812E+21	6,562386E+21	8,791495E+21	8,791792E+21	6,562885E+21	3,662100E+21	1,306198E+21	1,266944E+20	0,000000E+00	0,000000E+00	1,266594E+20	1,306021E+21
1568	3,661830E+21	6,562599E+21	8,791674E+21	8,791692E+21	6,562565E+21	3,661780E+21	1,305990E+21	1,266453E+20	0,000000E+00	0,000000E+00	1,267079E+20	1,306236E+21
1569	3,662032E+21	6,562586E+21	8,791295E+21	8,791161E+21	6,562377E+21	3,661919E+21	1,306177E+21	1,266874E+20	0,000000E+00	0,000000E+00	1,266437E+20	1,306001E+21
1570	3,661712E+21	6,562330E+21	8,791491E+21	8,791697E+21	6,562766E+21	3,662036E+21	1,306153E+21	1,266854E+20	0,000000E+00	0,000000E+00	1,266689E+20	1,306088E+21
1571	3,661962E+21	6,562779E+21	8,791805E+21	8,791643E+21	6,562401E+21	3,661705E+21	1,305981E+21	1,266306E+20	0,000000E+00	0,000000E+00	1,266689E+20	1,306147E+21
1572	3,661966E+21	6,562630E+21	8,791575E+21	8,791696E+21	6,562822E+21	3,662063E+21	1,306172E+21	1,266677E+20	0,000000E+00	0,000000E+00	1,266017E+20	1,305922E+21

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°
1573	3,661771E+21	6,562734E+21	8,792138E+21	8,792301E+21	6,563120E+21	3,662035E+21	1,305993E+21	1,266155E+20	0,000000E+00	0,000000E+00	1,266457E+20	1,306132E+21
1574	3,662185E+21	6,563245E+21	8,792378E+21	8,792122E+21	6,562739E+21	3,661848E+21	1,305939E+21	1,265695E+20	0,000000E+00	0,000000E+00	1,265888E+20	1,306028E+21
1575	3,662054E+21	6,563039E+21	8,792303E+21	8,792540E+21	6,563355E+21	3,662198E+21	1,306089E+21	1,266080E+20	0,000000E+00	0,000000E+00	1,265497E+20	1,305861E+21
1576	3,661970E+21	6,563374E+21	8,792913E+21	8,792912E+21	6,563384E+21	3,662001E+21	1,305867E+21	1,265421E+20	0,000000E+00	0,000000E+00	1,265987E+20	1,306071E+21
1577	3,662213E+21	6,563498E+21	8,792814E+21	8,792609E+21	6,563182E+21	3,662053E+21	1,305984E+21	1,265595E+20	0,000000E+00	0,000000E+00	1,265290E+20	1,305873E+21
1578	3,661904E+21	6,563081E+21	8,792680E+21	8,792976E+21	6,563624E+21	3,662281E+21	1,306063E+21	1,265964E+20	0,000000E+00	0,000000E+00	1,265673E+20	1,305926E+21
1579	3,662042E+21	6,563325E+21	8,792741E+21	8,792718E+21	6,563162E+21	3,661903E+21	1,305870E+21	1,265458E+20	0,000000E+00	0,000000E+00	1,266079E+20	1,306101E+21
1580	3,662154E+21	6,563149E+21	8,792191E+21	8,792161E+21	6,563070E+21	3,662097E+21	1,306090E+21	1,266194E+20	0,000000E+00	0,000000E+00	1,265707E+20	1,305903E+21
1581	3,661831E+21	6,562845E+21	8,792208E+21	8,792306E+21	6,563137E+21	3,662090E+21	1,306043E+21	1,266257E+20	0,000000E+00	0,000000E+00	1,266503E+20	1,306098E+21
1582	3,662095E+21	6,563079E+21	8,792129E+21	8,791779E+21	6,562391E+21	3,661692E+21	1,305964E+21	1,266178E+20	0,000000E+00	0,000000E+00	1,266577E+20	1,306131E+21
1583	3,661944E+21	6,562532E+21	8,791412E+21	8,791528E+21	6,562638E+21	3,661991E+21	1,306213E+21	1,267105E+20	0,000000E+00	0,000000E+00	1,266569E+20	1,305969E+21
1584	3,661647E+21	6,562317E+21	8,791437E+21	8,791540E+21	6,562556E+21	3,661837E+21	1,306064E+21	1,266878E+20	0,000000E+00	0,000000E+00	1,267443E+20	1,306259E+21
1585	3,661941E+21	6,562342E+21	8,791008E+21	8,790807E+21	6,561960E+21	3,661706E+21	1,306150E+21	1,267179E+20	0,000000E+00	0,000000E+00	1,267159E+20	1,306147E+21
1586	3,661672E+21	6,561812E+21	8,790523E+21	8,790807E+21	6,562292E+21	3,661982E+21	1,306307E+21	1,267698E+20	0,000000E+00	0,000000E+00	1,267295E+20	1,306105E+21
1587	3,661675E+21	6,562020E+21	8,790752E+21	8,790711E+21	6,561897E+21	3,661602E+21	1,306086E+21	1,267223E+20	0,000000E+00	0,000000E+00	1,267774E+20	1,306312E+21
1588	3,661880E+21	6,562040E+21	8,790469E+21	8,790318E+21	6,561787E+21	3,661744E+21	1,306255E+21	1,267583E+20	0,000000E+00	0,000000E+00	1,267134E+20	1,306071E+21
1589	3,661531E+21	6,561747E+21	8,790646E+21	8,790888E+21	6,562247E+21	3,661897E+21	1,306235E+21	1,267559E+20	0,000000E+00	0,000000E+00	1,267409E+20	1,306174E+21
1590	3,661821E+21	6,562277E+21	8,791029E+21	8,790859E+21	6,561872E+21	3,661546E+21	1,306037E+21	1,266906E+20	0,000000E+00	0,000000E+00	1,267394E+20	1,306258E+21
1591	3,661897E+21	6,562184E+21	8,790805E+21	8,790916E+21	6,562317E+21	3,661917E+21	1,306221E+21	1,267199E+20	0,000000E+00	0,000000E+00	1,266613E+20	1,305998E+21
1592	3,661663E+21	6,562287E+21	8,791404E+21	8,791548E+21	6,562638E+21	3,661920E+21	1,306068E+21	1,266726E+20	0,000000E+00	0,000000E+00	1,267041E+20	1,306203E+21
1593	3,662074E+21	6,562798E+21	8,791685E+21	8,791467E+21	6,562311E+21	3,661731E+21	1,306019E+21	1,266317E+20	0,000000E+00	0,000000E+00	1,266419E+20	1,306068E+21
1594	3,661891E+21	6,562572E+21	8,791596E+21	8,791823E+21	6,562898E+21	3,662102E+21	1,306189E+21	1,266770E+20	0,000000E+00	0,000000E+00	1,266096E+20	1,305918E+21
1595	3,661763E+21	6,562754E+21	8,792059E+21	8,792114E+21	6,562861E+21	3,661859E+21	1,305962E+21	1,266178E+20	0,000000E+00	0,000000E+00	1,266691E+20	1,306156E+21
1596	3,662045E+21	6,562867E+21	8,791865E+21	8,791715E+21	6,562632E+21	3,661915E+21	1,306071E+21	1,266334E+20	0,000000E+00	0,000000E+00	1,266080E+20	1,305977E+21
1597	3,661758E+21	6,562458E+21	8,791668E+21	8,791952E+21	6,562990E+21	3,662133E+21	1,306160E+21	1,266727E+20	0,000000E+00	0,000000E+00	1,266492E+20	1,306036E+21
1598	3,661936E+21	6,562823E+21	8,791845E+21	8,791707E+21	6,562447E+21	3,661684E+21	1,305941E+21	1,266186E+20	0,000000E+00	0,000000E+00	1,266880E+20	1,306213E+21
1599	3,662056E+21	6,562658E+21	8,791342E+21	8,791222E+21	6,562402E+21	3,661882E+21	1,306155E+21	1,266904E+20	0,000000E+00	0,000000E+00	1,266453E+20	1,305974E+21
1600	3,661637E+21	6,562241E+21	8,791337E+21	8,791438E+21	6,562543E+21	3,661923E+21	1,306139E+21	1,267059E+20	0,000000E+00	0,000000E+00	1,267292E+20	1,306183E+21
1601	3,661889E+21	6,562382E+21	8,791171E+21	8,790977E+21	6,561903E+21	3,661562E+21	1,306067E+21	1,267024E+20	0,000000E+00	0,000000E+00	1,267366E+20	1,306214E+21
1602	3,661740E+21	6,561847E+21	8,790390E+21	8,790576E+21	6,562098E+21	3,661901E+21	1,306334E+21	1,267929E+20	0,000000E+00	0,000000E+00	1,267379E+20	1,306074E+21
1603	3,661459E+21	6,561591E+21	8,790337E+21	8,790475E+21	6,561891E+21	3,661686E+21	1,306180E+21	1,267719E+20	0,000000E+00	0,000000E+00	1,268238E+20	1,306364E+21
1604	3,661804E+21	6,561725E+21	8,789989E+21	8,789764E+21	6,561304E+21	3,661545E+21	1,306246E+21	1,267947E+20	0,000000E+00	0,000000E+00	1,267942E+20	1,306239E+21
1605	3,661523E+21	6,561240E+21	8,789586E+21	8,789793E+21	6,561627E+21	3,661814E+21	1,306402E+21	1,268459E+20	0,000000E+00	0,000000E+00	1,268038E+20	1,306189E+21
1606	3,661532E+21	6,561523E+21	8,789959E+21	8,789833E+21	6,561252E+21	3,661388E+21	1,306150E+21	1,267916E+20	0,000000E+00	0,000000E+00	1,268509E+20	1,306412E+21
1607	3,661766E+21	6,561544E+21	8,789703E+21	8,789555E+21	6,561266E+21	3,661562E+21	1,306299E+21	1,268182E+20	0,000000E+00	0,000000E+00	1,267806E+20	1,306156E+21
1608	3,661393E+21	6,561215E+21	8,789850E+21	8,790122E+21	6,561768E+21	3,661774E+21	1,306308E+21	1,268186E+20	0,000000E+00	0,000000E+00	1,268083E+20	1,306274E+21

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°
1609	3,661725E+21	6,561771E+21	8,790248E+21	8,790164E+21	6,561457E+21	3,661444E+21	1,306117E+21	1,267524E+20	0,000000E+00	0,000000E+00	1,267972E+20	1,306324E+21
1610	3,661794E+21	6,561774E+21	8,790112E+21	8,790171E+21	6,561854E+21	3,661820E+21	1,306309E+21	1,267812E+20	0,000000E+00	0,000000E+00	1,267167E+20	1,306053E+21
1611	3,661498E+21	6,561772E+21	8,790654E+21	8,790764E+21	6,562105E+21	3,661783E+21	1,306163E+21	1,267421E+20	0,000000E+00	0,000000E+00	1,267615E+20	1,306247E+21
1612	3,661887E+21	6,562252E+21	8,790921E+21	8,790722E+21	6,561832E+21	3,661608E+21	1,306105E+21	1,267003E+20	0,000000E+00	0,000000E+00	1,267072E+20	1,306124E+21
1613	3,661683E+21	6,561953E+21	8,790716E+21	8,790977E+21	6,562392E+21	3,661984E+21	1,306282E+21	1,267498E+20	0,000000E+00	0,000000E+00	1,266828E+20	1,306005E+21
1614	3,661609E+21	6,562176E+21	8,791155E+21	8,791201E+21	6,562272E+21	3,661692E+21	1,306032E+21	1,266846E+20	0,000000E+00	0,000000E+00	1,267457E+20	1,306275E+21
1615	3,661961E+21	6,562344E+21	8,790970E+21	8,790793E+21	6,562027E+21	3,661726E+21	1,306125E+21	1,266958E+20	0,000000E+00	0,000000E+00	1,266798E+20	1,306074E+21
1616	3,661643E+21	6,561933E+21	8,790802E+21	8,791033E+21	6,562377E+21	3,661959E+21	1,306240E+21	1,267422E+20	0,000000E+00	0,000000E+00	1,267224E+20	1,306130E+21
1617	3,661810E+21	6,562282E+21	8,791027E+21	8,790899E+21	6,561902E+21	3,661530E+21	1,306033E+21	1,266952E+20	0,000000E+00	0,000000E+00	1,267578E+20	1,306280E+21
1618	3,661883E+21	6,562107E+21	8,790525E+21	8,790381E+21	6,561850E+21	3,661749E+21	1,306262E+21	1,267717E+20	0,000000E+00	0,000000E+00	1,267224E+20	1,306058E+21
1619	3,661415E+21	6,561523E+21	8,790335E+21	8,790504E+21	6,561960E+21	3,661779E+21	1,306254E+21	1,267942E+20	0,000000E+00	0,000000E+00	1,268120E+20	1,306283E+21
1620	3,661708E+21	6,561674E+21	8,790093E+21	8,789951E+21	6,561312E+21	3,661437E+21	1,306176E+21	1,267873E+20	0,000000E+00	0,000000E+00	1,268256E+20	1,306327E+21
1621	3,661579E+21	6,561167E+21	8,789291E+21	8,789448E+21	6,561415E+21	3,661754E+21	1,306446E+21	1,268761E+20	0,000000E+00	0,000000E+00	1,268233E+20	1,306187E+21
1622	3,661342E+21	6,561032E+21	8,789368E+21	8,789403E+21	6,561152E+21	3,661464E+21	1,306257E+21	1,268476E+20	0,000000E+00	0,000000E+00	1,269032E+20	1,306470E+21
1623	3,661692E+21	6,561206E+21	8,789128E+21	8,788817E+21	6,560633E+21	3,661323E+21	1,306306E+21	1,268637E+20	0,000000E+00	0,000000E+00	1,268653E+20	1,306311E+21
1624	3,661345E+21	6,560667E+21	8,788771E+21	8,788971E+21	6,561054E+21	3,661637E+21	1,306480E+21	1,269177E+20	0,000000E+00	0,000000E+00	1,268747E+20	1,306274E+21
1625	3,661369E+21	6,560927E+21	8,789145E+21	8,789125E+21	6,560811E+21	3,661266E+21	1,306232E+21	1,268627E+20	0,000000E+00	0,000000E+00	1,269166E+20	1,306486E+21
1626	3,661619E+21	6,561011E+21	8,788903E+21	8,788775E+21	6,560812E+21	3,661477E+21	1,306391E+21	1,268834E+20	0,000000E+00	0,000000E+00	1,268444E+20	1,306237E+21
1627	3,661248E+21	6,560649E+21	8,789002E+21	8,789299E+21	6,561258E+21	3,661656E+21	1,306400E+21	1,268866E+20	0,000000E+00	0,000000E+00	1,268679E+20	1,306341E+21
1628	3,661605E+21	6,561282E+21	8,789454E+21	8,789354E+21	6,560976E+21	3,661337E+21	1,306201E+21	1,268168E+20	0,000000E+00	0,000000E+00	1,268576E+20	1,306376E+21
1629	3,661629E+21	6,561268E+21	8,789356E+21	8,789357E+21	6,561331E+21	3,661702E+21	1,306402E+21	1,268491E+20	0,000000E+00	0,000000E+00	1,267789E+20	1,306113E+21
1630	3,661342E+21	6,561267E+21	8,789915E+21	8,789995E+21	6,561558E+21	3,661606E+21	1,306227E+21	1,268068E+20	0,000000E+00	0,000000E+00	1,268291E+20	1,306332E+21
1631	3,661746E+21	6,561708E+21	8,790119E+21	8,789944E+21	6,561328E+21	3,661442E+21	1,306153E+21	1,267596E+20	0,000000E+00	0,000000E+00	1,267771E+20	1,306220E+21
1632	3,661551E+21	6,561388E+21	8,789846E+21	8,790109E+21	6,561848E+21	3,661839E+21	1,306351E+21	1,268135E+20	0,000000E+00	0,000000E+00	1,267578E+20	1,306124E+21
1633	3,661531E+21	6,561649E+21	8,790297E+21	8,790357E+21	6,561736E+21	3,661547E+21	1,306109E+21	1,267514E+20	0,000000E+00	0,000000E+00	1,268137E+20	1,306365E+21
1634	3,661872E+21	6,561898E+21	8,790195E+21	8,789922E+21	6,561449E+21	3,661578E+21	1,306209E+21	1,267653E+20	0,000000E+00	0,000000E+00	1,267484E+20	1,306150E+21
1635	3,661478E+21	6,561360E+21	8,789958E+21	8,790151E+21	6,561763E+21	3,661786E+21	1,306338E+21	1,268229E+20	0,000000E+00	0,000000E+00	1,267935E+20	1,306196E+21
1636	3,661615E+21	6,561651E+21	8,790125E+21	8,790024E+21	6,561364E+21	3,661399E+21	1,306138E+21	1,267797E+20	0,000000E+00	0,000000E+00	1,268381E+20	1,306357E+21
1637	3,661656E+21	6,561391E+21	8,789516E+21	8,789404E+21	6,561267E+21	3,661630E+21	1,306381E+21	1,268590E+20	0,000000E+00	0,000000E+00	1,268096E+20	1,306166E+21
1638	3,661249E+21	6,560845E+21	8,789273E+21	8,789444E+21	6,561287E+21	3,661606E+21	1,306348E+21	1,268746E+20	0,000000E+00	0,000000E+00	1,268982E+20	1,306406E+21
1639	3,661586E+21	6,561060E+21	8,789079E+21	8,788905E+21	6,560638E+21	3,661245E+21	1,306251E+21	1,268602E+20	0,000000E+00	0,000000E+00	1,269059E+20	1,306429E+21
1640	3,661441E+21	6,560582E+21	8,788339E+21	8,788420E+21	6,560729E+21	3,661565E+21	1,306532E+21	1,269511E+20	0,000000E+00	0,000000E+00	1,269001E+20	1,306283E+21
1641	3,661199E+21	6,560444E+21	8,788499E+21	8,788539E+21	6,560560E+21	3,661296E+21	1,306349E+21	1,269253E+20	0,000000E+00	0,000000E+00	1,269714E+20	1,306536E+21
1642	3,661523E+21	6,560652E+21	8,788330E+21	8,788017E+21	6,560095E+21	3,661174E+21	1,306396E+21	1,269388E+20	0,000000E+00	0,000000E+00	1,269361E+20	1,306389E+21
1643	3,661148E+21	6,560002E+21	8,787853E+21	8,788127E+21	6,560520E+21	3,661494E+21	1,306573E+21	1,269959E+20	0,000000E+00	0,000000E+00	1,269460E+20	1,306364E+21
1644	3,661227E+21	6,560332E+21	8,788223E+21	8,788240E+21	6,560321E+21	3,661179E+21	1,306329E+21	1,269358E+20	0,000000E+00	0,000000E+00	1,269896E+20	1,306574E+21

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°
1645	3,661487E+21	6,560472E+21	8,788044E+21	8,787876E+21	6,560258E+21	3,661365E+21	1,306486E+21	1,269525E+20	0,000000E+00	0,000000E+00	1,269124E+20	1,306320E+21
1646	3,661152E+21	6,560205E+21	8,788235E+21	8,788446E+21	6,560665E+21	3,661480E+21	1,306464E+21	1,269485E+20	0,000000E+00	0,000000E+00	1,269309E+20	1,306411E+21
1647	3,661482E+21	6,560827E+21	8,788754E+21	8,788613E+21	6,560452E+21	3,661164E+21	1,306248E+21	1,268729E+20	0,000000E+00	0,000000E+00	1,269178E+20	1,306430E+21
1648	3,661452E+21	6,560728E+21	8,788613E+21	8,788635E+21	6,560839E+21	3,661555E+21	1,306465E+21	1,269097E+20	0,000000E+00	0,000000E+00	1,268445E+20	1,306198E+21
1649	3,661195E+21	6,560685E+21	8,789109E+21	8,789294E+21	6,561129E+21	3,661497E+21	1,306299E+21	1,268693E+20	0,000000E+00	0,000000E+00	1,268924E+20	1,306414E+21
1650	3,661630E+21	6,561199E+21	8,789321E+21	8,789143E+21	6,560835E+21	3,661336E+21	1,306232E+21	1,268213E+20	0,000000E+00	0,000000E+00	1,268426E+20	1,306312E+21
1651	3,661434E+21	6,560846E+21	8,788982E+21	8,789234E+21	6,561273E+21	3,661687E+21	1,306435E+21	1,268830E+20	0,000000E+00	0,000000E+00	1,268229E+20	1,306206E+21
1652	3,661428E+21	6,561170E+21	8,789474E+21	8,789466E+21	6,561184E+21	3,661424E+21	1,306203E+21	1,268246E+20	0,000000E+00	0,000000E+00	1,268826E+20	1,306429E+21
1653	3,661705E+21	6,561356E+21	8,789389E+21	8,789047E+21	6,560857E+21	3,661437E+21	1,306314E+21	1,268456E+20	0,000000E+00	0,000000E+00	1,268230E+20	1,306228E+21
1654	3,661314E+21	6,560781E+21	8,789094E+21	8,789280E+21	6,561156E+21	3,661599E+21	1,306419E+21	1,269014E+20	0,000000E+00	0,000000E+00	1,268742E+20	1,306293E+21
1655	3,661445E+21	6,561002E+21	8,789163E+21	8,789105E+21	6,560787E+21	3,661235E+21	1,306214E+21	1,268558E+20	0,000000E+00	0,000000E+00	1,269223E+20	1,306464E+21
1656	3,661487E+21	6,560706E+21	8,788478E+21	8,788386E+21	6,560625E+21	3,661479E+21	1,306479E+21	1,269382E+20	0,000000E+00	0,000000E+00	1,268976E+20	1,306295E+21
1657	3,661129E+21	6,560203E+21	8,788263E+21	8,788456E+21	6,560646E+21	3,661444E+21	1,306446E+21	1,269543E+20	0,000000E+00	0,000000E+00	1,269751E+20	1,306496E+21
1658	3,661445E+21	6,560496E+21	8,788162E+21	8,787911E+21	6,559972E+21	3,661076E+21	1,306350E+21	1,269397E+20	0,000000E+00	0,000000E+00	1,269813E+20	1,306505E+21
1659	3,661240E+21	6,559922E+21	8,787388E+21	8,787464E+21	6,560068E+21	3,661375E+21	1,306630E+21	1,270352E+20	0,000000E+00	0,000000E+00	1,269736E+20	1,306355E+21
1660	3,661007E+21	6,559795E+21	8,787541E+21	8,787616E+21	6,560001E+21	3,661165E+21	1,306450E+21	1,270094E+20	0,000000E+00	0,000000E+00	1,270494E+20	1,306614E+21
1661	3,661319E+21	6,559977E+21	8,787362E+21	8,787096E+21	6,559538E+21	3,661059E+21	1,306500E+21	1,270185E+20	0,000000E+00	0,000000E+00	1,270153E+20	1,306494E+21
1662	3,661030E+21	6,559432E+21	8,786925E+21	8,787203E+21	6,559917E+21	3,661327E+21	1,306645E+21	1,270640E+20	0,000000E+00	0,000000E+00	1,270199E+20	1,306469E+21
1663	3,661139E+21	6,559842E+21	8,787392E+21	8,787379E+21	6,559762E+21	3,661019E+21	1,306387E+21	1,269947E+20	0,000000E+00	0,000000E+00	1,270562E+20	1,306653E+21
1664	3,661367E+21	6,560002E+21	8,787296E+21	8,787075E+21	6,559706E+21	3,661218E+21	1,306553E+21	1,270107E+20	0,000000E+00	0,000000E+00	1,269760E+20	1,306399E+21
1665	3,661027E+21	6,559722E+21	8,787544E+21	8,787775E+21	6,560189E+21	3,661346E+21	1,306535E+21	1,270093E+20	0,000000E+00	0,000000E+00	1,269869E+20	1,306461E+21
1666	3,661324E+21	6,560339E+21	8,788068E+21	8,787952E+21	6,560013E+21	3,661047E+21	1,306320E+21	1,269333E+20	0,000000E+00	0,000000E+00	1,269785E+20	1,306497E+21
1667	3,661278E+21	6,560132E+21	8,787769E+21	8,787866E+21	6,560353E+21	3,661430E+21	1,306543E+21	1,269763E+20	0,000000E+00	0,000000E+00	1,269085E+20	1,306287E+21
1668	3,661091E+21	6,560165E+21	8,788227E+21	8,788421E+21	6,560633E+21	3,661410E+21	1,306392E+21	1,269379E+20	0,000000E+00	0,000000E+00	1,269606E+20	1,306498E+21
1669	3,661519E+21	6,560708E+21	8,788498E+21	8,788263E+21	6,560262E+21	3,661207E+21	1,306327E+21	1,268923E+20	0,000000E+00	0,000000E+00	1,269108E+20	1,306399E+21
1670	3,661349E+21	6,560406E+21	8,788208E+21	8,788368E+21	6,560641E+21	3,661490E+21	1,306502E+21	1,269516E+20	0,000000E+00	0,000000E+00	1,268921E+20	1,306281E+21
1671	3,661288E+21	6,560669E+21	8,788719E+21	8,788681E+21	6,560621E+21	3,661247E+21	1,306270E+21	1,268935E+20	0,000000E+00	0,000000E+00	1,269540E+20	1,306496E+21
1672	3,661503E+21	6,560736E+21	8,788531E+21	8,788233E+21	6,560304E+21	3,661284E+21	1,306397E+21	1,269207E+20	0,000000E+00	0,000000E+00	1,269043E+20	1,306329E+21
1673	3,661133E+21	6,560093E+21	8,788124E+21	8,788415E+21	6,560628E+21	3,661482E+21	1,306517E+21	1,269787E+20	0,000000E+00	0,000000E+00	1,269519E+20	1,306386E+21
1674	3,661281E+21	6,560362E+21	8,788179E+21	8,788152E+21	6,560197E+21	3,661110E+21	1,306316E+21	1,269327E+20	0,000000E+00	0,000000E+00	1,270008E+20	1,306560E+21
1675	3,661316E+21	6,560023E+21	8,787411E+21	8,787340E+21	6,559944E+21	3,661307E+21	1,306584E+21	1,270215E+20	0,000000E+00	0,000000E+00	1,269746E+20	1,306387E+21
1676	3,660986E+21	6,559599E+21	8,787243E+21	8,787389E+21	6,559991E+21	3,661306E+21	1,306560E+21	1,270399E+20	0,000000E+00	0,000000E+00	1,270527E+20	1,306569E+21
1677	3,661248E+21	6,559862E+21	8,787218E+21	8,786929E+21	6,559304E+21	3,660910E+21	1,306462E+21	1,270276E+20	0,000000E+00	0,000000E+00	1,270624E+20	1,306599E+21
1678	3,661084E+21	6,559308E+21	8,786439E+21	8,786521E+21	6,559413E+21	3,661162E+21	1,306701E+21	1,271133E+20	0,000000E+00	0,000000E+00	1,270568E+20	1,306466E+21
1679	3,660870E+21	6,559194E+21	8,786604E+21	8,786704E+21	6,559415E+21	3,660995E+21	1,306518E+21	1,270800E+20	0,000000E+00	0,000000E+00	1,271312E+20	1,306727E+21
1680	3,661196E+21	6,559402E+21	8,786445E+21	8,786184E+21	6,558944E+21	3,660908E+21	1,306576E+21	1,270852E+20	0,000000E+00	0,000000E+00	1,270941E+20	1,306611E+21

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°
1681	3,660942E+21	6,558937E+21	8,786123E+21	8,786395E+21	6,559373E+21	3,661185E+21	1,306721E+21	1,271277E+20	0,000000E+00	0,000000E+00	1,270821E+20	1,306535E+21
1682	3,661013E+21	6,559403E+21	8,786699E+21	8,786631E+21	6,559247E+21	3,660890E+21	1,306466E+21	1,270572E+20	0,000000E+00	0,000000E+00	1,271137E+20	1,306694E+21
1683	3,661165E+21	6,559430E+21	8,786525E+21	8,786354E+21	6,559204E+21	3,661080E+21	1,306638E+21	1,270786E+20	0,000000E+00	0,000000E+00	1,270334E+20	1,306450E+21
1684	3,660850E+21	6,559158E+21	8,786697E+21	8,787000E+21	6,559756E+21	3,661267E+21	1,306629E+21	1,270797E+20	0,000000E+00	0,000000E+00	1,270504E+20	1,306521E+21
1685	3,661135E+21	6,559738E+21	8,787196E+21	8,787136E+21	6,559530E+21	3,660959E+21	1,306420E+21	1,270027E+20	0,000000E+00	0,000000E+00	1,270460E+20	1,306593E+21
1686	3,661192E+21	6,559639E+21	8,786920E+21	8,787005E+21	6,559776E+21	3,661257E+21	1,306602E+21	1,270376E+20	0,000000E+00	0,000000E+00	1,269762E+20	1,306387E+21
1687	3,661024E+21	6,559742E+21	8,787458E+21	8,787590E+21	6,560060E+21	3,661235E+21	1,306450E+21	1,269974E+20	0,000000E+00	0,000000E+00	1,270268E+20	1,306576E+21
1688	3,661400E+21	6,560250E+21	8,787761E+21	8,787473E+21	6,559697E+21	3,661046E+21	1,306396E+21	1,269565E+20	0,000000E+00	0,000000E+00	1,269800E+20	1,306483E+21
1689	3,661209E+21	6,559901E+21	8,787496E+21	8,787670E+21	6,560128E+21	3,661336E+21	1,306578E+21	1,270203E+20	0,000000E+00	0,000000E+00	1,269590E+20	1,306344E+21
1690	3,661102E+21	6,560092E+21	8,787908E+21	8,787921E+21	6,560127E+21	3,661125E+21	1,306359E+21	1,269662E+20	0,000000E+00	0,000000E+00	1,270273E+20	1,306573E+21
1691	3,661291E+21	6,560022E+21	8,787503E+21	8,787317E+21	6,559745E+21	3,661160E+21	1,306501E+21	1,270013E+20	0,000000E+00	0,000000E+00	1,269844E+20	1,306437E+21
1692	3,660999E+21	6,559458E+21	8,787025E+21	8,787336E+21	6,560020E+21	3,661378E+21	1,306636E+21	1,270625E+20	0,000000E+00	0,000000E+00	1,270343E+20	1,306482E+21
1693	3,661119E+21	6,559729E+21	8,787147E+21	8,787079E+21	6,559503E+21	3,660954E+21	1,306434E+21	1,270193E+20	0,000000E+00	0,000000E+00	1,270826E+20	1,306662E+21
1694	3,661192E+21	6,559448E+21	8,786438E+21	8,786292E+21	6,559189E+21	3,661065E+21	1,306660E+21	1,271020E+20	0,000000E+00	0,000000E+00	1,270567E+20	1,306481E+21
1695	3,660826E+21	6,559005E+21	8,786322E+21	8,786436E+21	6,559306E+21	3,661082E+21	1,306633E+21	1,271176E+20	0,000000E+00	0,000000E+00	1,271350E+20	1,306660E+21
1696	3,661053E+21	6,559203E+21	8,786261E+21	8,786011E+21	6,558692E+21	3,660735E+21	1,306542E+21	1,271050E+20	0,000000E+00	0,000000E+00	1,271489E+20	1,306718E+21
1697	3,660933E+21	6,558682E+21	8,785518E+21	8,785651E+21	6,558855E+21	3,661021E+21	1,306783E+21	1,271850E+20	0,000000E+00	0,000000E+00	1,271326E+20	1,306565E+21
1698	3,660744E+21	6,558652E+21	8,785744E+21	8,785844E+21	6,558869E+21	3,660875E+21	1,306609E+21	1,271493E+20	0,000000E+00	0,000000E+00	1,272000E+20	1,306804E+21
1699	3,661041E+21	6,558825E+21	8,785554E+21	8,785328E+21	6,558396E+21	3,660777E+21	1,306672E+21	1,271566E+20	0,000000E+00	0,000000E+00	1,271576E+20	1,306677E+21
1700	3,660804E+21	6,558432E+21	8,785277E+21	8,785540E+21	6,558872E+21	3,661096E+21	1,306827E+21	1,272009E+20	0,000000E+00	0,000000E+00	1,271429E+20	1,306577E+21
1701	3,660800E+21	6,558829E+21	8,785911E+21	8,785869E+21	6,558745E+21	3,660776E+21	1,306571E+21	1,271315E+20	0,000000E+00	0,000000E+00	1,271774E+20	1,306762E+21
1702	3,661009E+21	6,558862E+21	8,785676E+21	8,785554E+21	6,558669E+21	3,660906E+21	1,306699E+21	1,271441E+20	0,000000E+00	0,000000E+00	1,271020E+20	1,306545E+21
1703	3,660734E+21	6,558636E+21	8,785856E+21	8,786171E+21	6,559227E+21	3,661118E+21	1,306691E+21	1,271397E+20	0,000000E+00	0,000000E+00	1,271215E+20	1,306627E+21
1704	3,661044E+21	6,559260E+21	8,786380E+21	8,786291E+21	6,558970E+21	3,660806E+21	1,306483E+21	1,270617E+20	0,000000E+00	0,000000E+00	1,271171E+20	1,306704E+21
1705	3,661126E+21	6,559236E+21	8,786228E+21	8,786246E+21	6,559236E+21	3,661093E+21	1,306659E+21	1,270953E+20	0,000000E+00	0,000000E+00	1,270366E+20	1,306455E+21
1706	3,660915E+21	6,559344E+21	8,786825E+21	8,786895E+21	6,559559E+21	3,661090E+21	1,306519E+21	1,270590E+20	0,000000E+00	0,000000E+00	1,270859E+20	1,306620E+21
1707	3,661196E+21	6,559668E+21	8,786971E+21	8,786760E+21	6,559210E+21	3,660906E+21	1,306483E+21	1,270285E+20	0,000000E+00	0,000000E+00	1,270448E+20	1,306545E+21
1708	3,661019E+21	6,559288E+21	8,786562E+21	8,786823E+21	6,559672E+21	3,661263E+21	1,306688E+21	1,270989E+20	0,000000E+00	0,000000E+00	1,270323E+20	1,306416E+21
1709	3,660884E+21	6,559400E+21	8,786915E+21	8,786992E+21	6,559577E+21	3,661031E+21	1,306482E+21	1,270480E+20	0,000000E+00	0,000000E+00	1,271051E+20	1,306677E+21
1710	3,661164E+21	6,559400E+21	8,786462E+21	8,786273E+21	6,559064E+21	3,660966E+21	1,306586E+21	1,270780E+20	0,000000E+00	0,000000E+00	1,270665E+20	1,306550E+21
1711	3,660891E+21	6,558913E+21	8,786056E+21	8,786285E+21	6,559313E+21	3,661174E+21	1,306717E+21	1,271367E+20	0,000000E+00	0,000000E+00	1,271156E+20	1,306582E+21
1712	3,660969E+21	6,559150E+21	8,786215E+21	8,786077E+21	6,558800E+21	3,660749E+21	1,306518E+21	1,270975E+20	0,000000E+00	0,000000E+00	1,271664E+20	1,306768E+21
1713	3,661032E+21	6,558863E+21	8,785587E+21	8,785424E+21	6,558558E+21	3,660860E+21	1,306734E+21	1,271788E+20	0,000000E+00	0,000000E+00	1,271354E+20	1,306571E+21
1714	3,660654E+21	6,558397E+21	8,785437E+21	8,785584E+21	6,558743E+21	3,660922E+21	1,306719E+21	1,271953E+20	0,000000E+00	0,000000E+00	1,272135E+20	1,306751E+21
1715	3,660859E+21	6,558501E+21	8,785236E+21	8,785086E+21	6,558132E+21	3,660606E+21	1,306648E+21	1,271870E+20	0,000000E+00	0,000000E+00	1,272284E+20	1,306823E+21
1716	3,660808E+21	6,558099E+21	8,784513E+21	8,784659E+21	6,558300E+21	3,660930E+21	1,306902E+21	1,272663E+20	0,000000E+00	0,000000E+00	1,272075E+20	1,306643E+21

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°
1717	3,660571E+21	6,558067E+21	8,784844E+21	8,784920E+21	6,558280E+21	3,660759E+21	1,306732E+21	1,272309E+20	0,000000E+00	0,000000E+00	1,272691E+20	1,306876E+21
1718	3,660894E+21	6,558273E+21	8,784688E+21	8,784440E+21	6,557784E+21	3,660588E+21	1,306749E+21	1,272284E+20	0,000000E+00	0,000000E+00	1,272273E+20	1,306748E+21
1719	3,660637E+21	6,557881E+21	8,784447E+21	8,784702E+21	6,558304E+21	3,660916E+21	1,306894E+21	1,272674E+20	0,000000E+00	0,000000E+00	1,272135E+20	1,306657E+21
1720	3,660617E+21	6,558211E+21	8,785020E+21	8,785036E+21	6,558223E+21	3,660631E+21	1,306638E+21	1,271952E+20	0,000000E+00	0,000000E+00	1,272511E+20	1,306871E+21
1721	3,660889E+21	6,558337E+21	8,784887E+21	8,784777E+21	6,558159E+21	3,660755E+21	1,306752E+21	1,271996E+20	0,000000E+00	0,000000E+00	1,271664E+20	1,306642E+21
1722	3,660660E+21	6,558215E+21	8,785140E+21	8,785404E+21	6,558710E+21	3,660971E+21	1,306753E+21	1,271957E+20	0,000000E+00	0,000000E+00	1,271801E+20	1,306697E+21
1723	3,660927E+21	6,558794E+21	8,785635E+21	8,785534E+21	6,558477E+21	3,660678E+21	1,306562E+21	1,271240E+20	0,000000E+00	0,000000E+00	1,271736E+20	1,306767E+21
1724	3,661014E+21	6,558819E+21	8,785512E+21	8,785488E+21	6,558780E+21	3,661000E+21	1,306754E+21	1,271643E+20	0,000000E+00	0,000000E+00	1,270956E+20	1,306497E+21
1725	3,660710E+21	6,558790E+21	8,786082E+21	8,786182E+21	6,559096E+21	3,660985E+21	1,306627E+21	1,271344E+20	0,000000E+00	0,000000E+00	1,271511E+20	1,306688E+21
1726	3,661027E+21	6,559057E+21	8,786068E+21	8,785924E+21	6,558686E+21	3,660746E+21	1,306556E+21	1,271003E+20	0,000000E+00	0,000000E+00	1,271214E+20	1,306647E+21
1727	3,660881E+21	6,558696E+21	8,785600E+21	8,785854E+21	6,559069E+21	3,661107E+21	1,306772E+21	1,271698E+20	0,000000E+00	0,000000E+00	1,271152E+20	1,306534E+21
1728	3,660754E+21	6,558796E+21	8,785923E+21	8,785974E+21	6,558919E+21	3,660859E+21	1,306569E+21	1,271217E+20	0,000000E+00	0,000000E+00	1,271882E+20	1,306795E+21
1729	3,661047E+21	6,558873E+21	8,785604E+21	8,785321E+21	6,558393E+21	3,660759E+21	1,306659E+21	1,271512E+20	0,000000E+00	0,000000E+00	1,271424E+20	1,306639E+21
1730	3,660746E+21	6,558384E+21	8,785241E+21	8,785391E+21	6,558666E+21	3,660975E+21	1,306800E+21	1,272135E+20	0,000000E+00	0,000000E+00	1,271891E+20	1,306648E+21
1731	3,660745E+21	6,558461E+21	8,785256E+21	8,785181E+21	6,558216E+21	3,660586E+21	1,306619E+21	1,271828E+20	0,000000E+00	0,000000E+00	1,272446E+20	1,306856E+21
1732	3,660845E+21	6,558190E+21	8,784550E+21	8,784457E+21	6,558030E+21	3,660763E+21	1,306850E+21	1,272653E+20	0,000000E+00	0,000000E+00	1,272171E+20	1,306661E+21
1733	3,660452E+21	6,557698E+21	8,784418E+21	8,784624E+21	6,558169E+21	3,660816E+21	1,306847E+21	1,272822E+20	0,000000E+00	0,000000E+00	1,272930E+20	1,306857E+21
1734	3,660735E+21	6,557876E+21	8,784204E+21	8,784065E+21	6,557488E+21	3,660428E+21	1,306740E+21	1,272662E+20	0,000000E+00	0,000000E+00	1,273084E+20	1,306924E+21
1735	3,660683E+21	6,557557E+21	8,783604E+21	8,783675E+21	6,557656E+21	3,660759E+21	1,306990E+21	1,273386E+20	0,000000E+00	0,000000E+00	1,272837E+20	1,306731E+21
1736	3,660404E+21	6,557485E+21	8,783983E+21	8,784024E+21	6,557662E+21	3,660585E+21	1,306814E+21	1,273027E+20	0,000000E+00	0,000000E+00	1,273431E+20	1,306962E+21
1737	3,660720E+21	6,557713E+21	8,783907E+21	8,783651E+21	6,557234E+21	3,660405E+21	1,306807E+21	1,272926E+20	0,000000E+00	0,000000E+00	1,272957E+20	1,306834E+21
1738	3,660496E+21	6,557349E+21	8,783656E+21	8,783919E+21	6,557803E+21	3,660768E+21	1,306954E+21	1,273279E+20	0,000000E+00	0,000000E+00	1,272784E+20	1,306742E+21
1739	3,660483E+21	6,557642E+21	8,784141E+21	8,784201E+21	6,557727E+21	3,660512E+21	1,306717E+21	1,272588E+20	0,000000E+00	0,000000E+00	1,273150E+20	1,306966E+21
1740	3,660824E+21	6,557907E+21	8,784090E+21	8,783947E+21	6,557682E+21	3,660658E+21	1,306839E+21	1,272640E+20	0,000000E+00	0,000000E+00	1,272253E+20	1,306704E+21
1741	3,660534E+21	6,557780E+21	8,784472E+21	8,784678E+21	6,558217E+21	3,660852E+21	1,306850E+21	1,272646E+20	0,000000E+00	0,000000E+00	1,272364E+20	1,306752E+21
1742	3,660795E+21	6,558313E+21	8,784915E+21	8,784798E+21	6,557965E+21	3,660510E+21	1,306631E+21	1,271904E+20	0,000000E+00	0,000000E+00	1,272357E+20	1,306822E+21
1743	3,660841E+21	6,558291E+21	8,784760E+21	8,784733E+21	6,558280E+21	3,660854E+21	1,306828E+21	1,272304E+20	0,000000E+00	0,000000E+00	1,271668E+20	1,306577E+21
1744	3,660517E+21	6,558147E+21	8,785176E+21	8,785338E+21	6,558584E+21	3,660862E+21	1,306710E+21	1,272030E+20	0,000000E+00	0,000000E+00	1,272277E+20	1,306789E+21
1745	3,660875E+21	6,558473E+21	8,785198E+21	8,785044E+21	6,558127E+21	3,660594E+21	1,306628E+21	1,271658E+20	0,000000E+00	0,000000E+00	1,271953E+20	1,306751E+21
1746	3,660778E+21	6,558180E+21	8,784743E+21	8,784931E+21	6,558460E+21	3,660938E+21	1,306849E+21	1,272382E+20	0,000000E+00	0,000000E+00	1,271858E+20	1,306617E+21
1747	3,660604E+21	6,558201E+21	8,784990E+21	8,785021E+21	6,558312E+21	3,660702E+21	1,306667E+21	1,271994E+20	0,000000E+00	0,000000E+00	1,272599E+20	1,306878E+21
1748	3,660903E+21	6,558311E+21	8,784697E+21	8,784390E+21	6,557812E+21	3,660618E+21	1,306768E+21	1,272362E+20	0,000000E+00	0,000000E+00	1,272179E+20	1,306710E+21
1749	3,660530E+21	6,557718E+21	8,784325E+21	8,784508E+21	6,558084E+21	3,660824E+21	1,306917E+21	1,273031E+20	0,000000E+00	0,000000E+00	1,272693E+20	1,306747E+21
1750	3,660575E+21	6,557759E+21	8,784200E+21	8,784183E+21	6,557603E+21	3,660415E+21	1,306712E+21	1,272680E+20	0,000000E+00	0,000000E+00	1,273336E+20	1,306978E+21
1751	3,660713E+21	6,557564E+21	8,783526E+21	8,783391E+21	6,557355E+21	3,660594E+21	1,306946E+21	1,273448E+20	0,000000E+00	0,000000E+00	1,273087E+20	1,306789E+21
1752	3,660322E+21	6,557073E+21	8,783397E+21	8,783568E+21	6,557490E+21	3,660642E+21	1,306943E+21	1,273608E+20	0,000000E+00	0,000000E+00	1,273771E+20	1,306964E+21

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°
1753	3,660597E+21	6,557342E+21	8,783366E+21	8,783138E+21	6,556846E+21	3,660234E+21	1,306811E+21	1,273374E+20	0,000000E+00	0,000000E+00	1,273826E+20	1,307004E+21
1754	3,660524E+21	6,557017E+21	8,782814E+21	8,782829E+21	6,557056E+21	3,660573E+21	1,307061E+21	1,274075E+20	0,000000E+00	0,000000E+00	1,273500E+20	1,306790E+21
1755	3,660187E+21	6,556811E+21	8,783064E+21	8,783190E+21	6,557150E+21	3,660451E+21	1,306902E+21	1,273754E+20	0,000000E+00	0,000000E+00	1,274093E+20	1,307038E+21
1756	3,660561E+21	6,557113E+21	8,782984E+21	8,782798E+21	6,556772E+21	3,660321E+21	1,306903E+21	1,273635E+20	0,000000E+00	0,000000E+00	1,273613E+20	1,306909E+21
1757	3,660344E+21	6,556789E+21	8,782827E+21	8,783111E+21	6,557297E+21	3,660660E+21	1,307053E+21	1,273977E+20	0,000000E+00	0,000000E+00	1,273401E+20	1,306829E+21
1758	3,660405E+21	6,557166E+21	8,783324E+21	8,783357E+21	6,557188E+21	3,660358E+21	1,306788E+21	1,273230E+20	0,000000E+00	0,000000E+00	1,273778E+20	1,307042E+21
1759	3,660734E+21	6,557506E+21	8,783411E+21	8,783163E+21	6,557137E+21	3,660507E+21	1,306908E+21	1,273242E+20	0,000000E+00	0,000000E+00	1,272892E+20	1,306774E+21
1760	3,660389E+21	6,557292E+21	8,783775E+21	8,783961E+21	6,557712E+21	3,660706E+21	1,306921E+21	1,273286E+20	0,000000E+00	0,000000E+00	1,273011E+20	1,306817E+21
1761	3,660622E+21	6,557800E+21	8,784231E+21	8,784125E+21	6,557510E+21	3,660361E+21	1,306686E+21	1,272510E+20	0,000000E+00	0,000000E+00	1,273014E+20	1,306900E+21
1762	3,660692E+21	6,557745E+21	8,783976E+21	8,783966E+21	6,557796E+21	3,660726E+21	1,306894E+21	1,272928E+20	0,000000E+00	0,000000E+00	1,272351E+20	1,306665E+21
1763	3,660372E+21	6,557524E+21	8,784221E+21	8,784433E+21	6,558056E+21	3,660752E+21	1,306805E+21	1,272729E+20	0,000000E+00	0,000000E+00	1,272982E+20	1,306888E+21
1764	3,660777E+21	6,557949E+21	8,784274E+21	8,784095E+21	6,557571E+21	3,660481E+21	1,306732E+21	1,272419E+20	0,000000E+00	0,000000E+00	1,272655E+20	1,306827E+21
1765	3,660628E+21	6,557639E+21	8,783919E+21	8,784044E+21	6,557849E+21	3,660780E+21	1,306955E+21	1,273197E+20	0,000000E+00	0,000000E+00	1,272572E+20	1,306697E+21
1766	3,660453E+21	6,557598E+21	8,784063E+21	8,784075E+21	6,557662E+21	3,660500E+21	1,306753E+21	1,272820E+20	0,000000E+00	0,000000E+00	1,273389E+20	1,306963E+21
1767	3,660722E+21	6,557672E+21	8,783752E+21	8,783438E+21	6,557178E+21	3,660439E+21	1,306855E+21	1,273169E+20	0,000000E+00	0,000000E+00	1,273067E+20	1,306821E+21
1768	3,660346E+21	6,557011E+21	8,783288E+21	8,783510E+21	6,557457E+21	3,660664E+21	1,307007E+21	1,273833E+20	0,000000E+00	0,000000E+00	1,273581E+20	1,306865E+21
1769	3,660424E+21	6,557138E+21	8,783239E+21	8,783186E+21	6,556959E+21	3,660241E+21	1,306792E+21	1,273437E+20	0,000000E+00	0,000000E+00	1,274166E+20	1,307088E+21
1770	3,660594E+21	6,557010E+21	8,782625E+21	8,782425E+21	6,556714E+21	3,660426E+21	1,307030E+21	1,274179E+20	0,000000E+00	0,000000E+00	1,273835E+20	1,306870E+21
1771	3,660154E+21	6,556450E+21	8,782448E+21	8,782618E+21	6,556888E+21	3,660501E+21	1,307047E+21	1,274396E+20	0,000000E+00	0,000000E+00	1,274467E+20	1,307033E+21
1772	3,660420E+21	6,556745E+21	8,782461E+21	8,782258E+21	6,556307E+21	3,660113E+21	1,306921E+21	1,274190E+20	0,000000E+00	0,000000E+00	1,274518E+20	1,307061E+21
1773	3,660304E+21	6,556362E+21	8,781936E+21	8,782014E+21	6,556526E+21	3,660440E+21	1,307163E+21	1,274871E+20	0,000000E+00	0,000000E+00	1,274197E+20	1,306879E+21
1774	3,660036E+21	6,556160E+21	8,782064E+21	8,782251E+21	6,556580E+21	3,660302E+21	1,306983E+21	1,274489E+20	0,000000E+00	0,000000E+00	1,274837E+20	1,307141E+21
1775	3,660462E+21	6,556592E+21	8,782107E+21	8,781874E+21	6,556169E+21	3,660169E+21	1,306980E+21	1,274289E+20	0,000000E+00	0,000000E+00	1,274363E+20	1,307017E+21
1776	3,660256E+21	6,556314E+21	8,782033E+21	8,782260E+21	6,556715E+21	3,660495E+21	1,307121E+21	1,274616E+20	0,000000E+00	0,000000E+00	1,274076E+20	1,306911E+21
1777	3,660297E+21	6,556773E+21	8,782702E+21	8,782634E+21	6,556663E+21	3,660192E+21	1,306842E+21	1,273820E+20	0,000000E+00	0,000000E+00	1,274390E+20	1,307103E+21
1778	3,660595E+21	6,557063E+21	8,782795E+21	8,782520E+21	6,556666E+21	3,660357E+21	1,306962E+21	1,273820E+20	0,000000E+00	0,000000E+00	1,273475E+20	1,306824E+21
1779	3,660196E+21	6,556685E+21	8,782949E+21	8,783246E+21	6,557297E+21	3,660613E+21	1,307002E+21	1,273929E+20	0,000000E+00	0,000000E+00	1,273631E+20	1,306887E+21
1780	3,660465E+21	6,557213E+21	8,783343E+21	8,783333E+21	6,557088E+21	3,660297E+21	1,306783E+21	1,273190E+20	0,000000E+00	0,000000E+00	1,273662E+20	1,306974E+21
1781	3,660541E+21	6,557172E+21	8,783116E+21	8,783128E+21	6,557262E+21	3,660615E+21	1,306997E+21	1,273649E+20	0,000000E+00	0,000000E+00	1,273017E+20	1,306760E+21
1782	3,660277E+21	6,556981E+21	8,783283E+21	8,783471E+21	6,557441E+21	3,660593E+21	1,306891E+21	1,273456E+20	0,000000E+00	0,000000E+00	1,273693E+20	1,306974E+21
1783	3,660665E+21	6,557462E+21	8,783452E+21	8,783158E+21	6,556907E+21	3,660301E+21	1,306817E+21	1,273156E+20	0,000000E+00	0,000000E+00	1,273438E+20	1,306920E+21
1784	3,660470E+21	6,557054E+21	8,783047E+21	8,783147E+21	6,557207E+21	3,660580E+21	1,307033E+21	1,273973E+20	0,000000E+00	0,000000E+00	1,273382E+20	1,306788E+21
1785	3,660280E+21	6,557008E+21	8,783204E+21	8,783208E+21	6,557074E+21	3,660314E+21	1,306819E+21	1,273566E+20	0,000000E+00	0,000000E+00	1,274216E+20	1,307071E+21
1786	3,660576E+21	6,557060E+21	8,782824E+21	8,782519E+21	6,556574E+21	3,660274E+21	1,306930E+21	1,273912E+20	0,000000E+00	0,000000E+00	1,273892E+20	1,306926E+21
1787	3,660194E+21	6,556345E+21	8,782242E+21	8,782500E+21	6,556849E+21	3,660536E+21	1,307115E+21	1,274630E+20	0,000000E+00	0,000000E+00	1,274369E+20	1,306962E+21
1788	3,660289E+21	6,556549E+21	8,782264E+21	8,782209E+21	6,556372E+21	3,660126E+21	1,306914E+21	1,274294E+20	0,000000E+00	0,000000E+00	1,274908E+20	1,307152E+21

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°
1789	3,660392E+21	6,556384E+21	8,781737E+21	8,781531E+21	6,556099E+21	3,660282E+21	1,307151E+21	1,275047E+20	0,000000E+00	0,000000E+00	1,274565E+20	1,306944E+21
1790	3,659958E+21	6,555760E+21	8,781428E+21	8,781653E+21	6,556264E+21	3,660329E+21	1,307145E+21	1,275237E+20	0,000000E+00	0,000000E+00	1,275232E+20	1,307110E+21
1791	3,660221E+21	6,556075E+21	8,781472E+21	8,781292E+21	6,555688E+21	3,659958E+21	1,307011E+21	1,274959E+20	0,000000E+00	0,000000E+00	1,275352E+20	1,307170E+21
1792	3,660143E+21	6,555703E+21	8,780940E+21	8,781058E+21	6,555915E+21	3,660277E+21	1,307239E+21	1,275576E+20	0,000000E+00	0,000000E+00	1,274977E+20	1,306989E+21
1793	3,659938E+21	6,555675E+21	8,781242E+21	8,781368E+21	6,555984E+21	3,660126E+21	1,307041E+21	1,275112E+20	0,000000E+00	0,000000E+00	1,275537E+20	1,307241E+21
1794	3,660392E+21	6,556186E+21	8,781408E+21	8,781107E+21	6,555628E+21	3,660008E+21	1,307034E+21	1,274857E+20	0,000000E+00	0,000000E+00	1,274966E+20	1,307084E+21
1795	3,660134E+21	6,555857E+21	8,781327E+21	8,781543E+21	6,556238E+21	3,660377E+21	1,307198E+21	1,275229E+20	0,000000E+00	0,000000E+00	1,274636E+20	1,306964E+21
1796	3,660150E+21	6,556296E+21	8,782001E+21	8,781989E+21	6,556270E+21	3,660111E+21	1,306935E+21	1,274492E+20	0,000000E+00	0,000000E+00	1,274953E+20	1,307143E+21
1797	3,660395E+21	6,556500E+21	8,782060E+21	8,781881E+21	6,556259E+21	3,660270E+21	1,307053E+21	1,274495E+20	0,000000E+00	0,000000E+00	1,274096E+20	1,306907E+21
1798	3,660064E+21	6,556090E+21	8,781997E+21	8,782366E+21	6,556779E+21	3,660496E+21	1,307086E+21	1,274609E+20	0,000000E+00	0,000000E+00	1,274330E+20	1,306980E+21
1799	3,660357E+21	6,556694E+21	8,782456E+21	8,782401E+21	6,556477E+21	3,660157E+21	1,306869E+21	1,273854E+20	0,000000E+00	0,000000E+00	1,274413E+20	1,307077E+21
1800	3,660437E+21	6,556669E+21	8,782273E+21	8,782227E+21	6,556623E+21	3,660424E+21	1,307067E+21	1,274336E+20	0,000000E+00	0,000000E+00	1,273744E+20	1,306843E+21
1801	3,660152E+21	6,556533E+21	8,782548E+21	8,782620E+21	6,556803E+21	3,660385E+21	1,306953E+21	1,274140E+20	0,000000E+00	0,000000E+00	1,274411E+20	1,307050E+21
1802	3,660508E+21	6,556931E+21	8,782677E+21	8,782372E+21	6,556336E+21	3,660115E+21	1,306879E+21	1,273858E+20	0,000000E+00	0,000000E+00	1,274162E+20	1,306995E+21
1803	3,660271E+21	6,556389E+21	8,782089E+21	8,782280E+21	6,556680E+21	3,660453E+21	1,307122E+21	1,274729E+20	0,000000E+00	0,000000E+00	1,274148E+20	1,306880E+21
1804	3,660112E+21	6,556350E+21	8,782197E+21	8,782291E+21	6,556551E+21	3,660225E+21	1,306937E+21	1,274393E+20	0,000000E+00	0,000000E+00	1,274983E+20	1,307154E+21
1805	3,660399E+21	6,556411E+21	8,781855E+21	8,781600E+21	6,555985E+21	3,660152E+21	1,307051E+21	1,274765E+20	0,000000E+00	0,000000E+00	1,274683E+20	1,307027E+21
1806	3,660051E+21	6,555697E+21	8,781163E+21	8,781432E+21	6,556184E+21	3,660380E+21	1,307225E+21	1,275484E+20	0,000000E+00	0,000000E+00	1,275169E+20	1,307047E+21
1807	3,660111E+21	6,555931E+21	8,781303E+21	8,781189E+21	6,555670E+21	3,659957E+21	1,307024E+21	1,275141E+20	0,000000E+00	0,000000E+00	1,275759E+20	1,307246E+21
1808	3,660191E+21	6,555697E+21	8,780744E+21	8,780567E+21	6,555428E+21	3,660081E+21	1,307238E+21	1,275868E+20	0,000000E+00	0,000000E+00	1,275409E+20	1,307043E+21
1809	3,659786E+21	6,555144E+21	8,780476E+21	8,780694E+21	6,555627E+21	3,660135E+21	1,307211E+21	1,275970E+20	0,000000E+00	0,000000E+00	1,276060E+20	1,307229E+21
1810	3,660107E+21	6,555508E+21	8,780546E+21	8,780358E+21	6,555077E+21	3,659784E+21	1,307072E+21	1,275619E+20	0,000000E+00	0,000000E+00	1,276120E+20	1,307282E+21
1811	3,660049E+21	6,555177E+21	8,780035E+21	8,780145E+21	6,555341E+21	3,660131E+21	1,307313E+21	1,276220E+20	0,000000E+00	0,000000E+00	1,275657E+20	1,307083E+21
1812	3,659858E+21	6,555248E+21	8,780498E+21	8,780600E+21	6,555489E+21	3,660013E+21	1,307134E+21	1,275803E+20	0,000000E+00	0,000000E+00	1,276130E+20	1,307290E+21
1813	3,660233E+21	6,555719E+21	8,780763E+21	8,780473E+21	6,555165E+21	3,659888E+21	1,307126E+21	1,275545E+20	0,000000E+00	0,000000E+00	1,275540E+20	1,307136E+21
1814	3,659957E+21	6,555289E+21	8,780509E+21	8,780805E+21	6,555775E+21	3,660259E+21	1,307283E+21	1,275917E+20	0,000000E+00	0,000000E+00	1,275251E+20	1,307018E+21
1815	3,659959E+21	6,555717E+21	8,781174E+21	8,781202E+21	6,555779E+21	3,660012E+21	1,307022E+21	1,275145E+20	0,000000E+00	0,000000E+00	1,275649E+20	1,307225E+21
1816	3,660229E+21	6,555895E+21	8,781153E+21	8,781028E+21	6,555717E+21	3,660134E+21	1,307130E+21	1,275133E+20	0,000000E+00	0,000000E+00	1,274788E+20	1,306999E+21
1817	3,659965E+21	6,555639E+21	8,781183E+21	8,781488E+21	6,556198E+21	3,660329E+21	1,307146E+21	1,275205E+20	0,000000E+00	0,000000E+00	1,275005E+20	1,307072E+21
1818	3,660272E+21	6,556271E+21	8,781715E+21	8,781587E+21	6,555904E+21	3,659982E+21	1,306926E+21	1,274452E+20	0,000000E+00	0,000000E+00	1,275051E+20	1,307150E+21
1819	3,660303E+21	6,556177E+21	8,781499E+21	8,781434E+21	6,556077E+21	3,660268E+21	1,307142E+21	1,275003E+20	0,000000E+00	0,000000E+00	1,274397E+20	1,306915E+21
1820	3,659996E+21	6,555993E+21	8,781761E+21	8,781892E+21	6,556325E+21	3,660258E+21	1,307050E+21	1,274909E+20	0,000000E+00	0,000000E+00	1,275093E+20	1,307113E+21
1821	3,660302E+21	6,556295E+21	8,781808E+21	8,781605E+21	6,555848E+21	3,660001E+21	1,306981E+21	1,274659E+20	0,000000E+00	0,000000E+00	1,274932E+20	1,307097E+21
1822	3,660117E+21	6,555714E+21	8,781006E+21	8,781259E+21	6,556076E+21	3,660326E+21	1,307230E+21	1,275549E+20	0,000000E+00	0,000000E+00	1,274983E+20	1,306987E+21
1823	3,659971E+21	6,555742E+21	8,781181E+21	8,781224E+21	6,555862E+21	3,660082E+21	1,307054E+21	1,275227E+20	0,000000E+00	0,000000E+00	1,275853E+20	1,307260E+21
1824	3,660241E+21	6,555785E+21	8,780854E+21	8,780571E+21	6,555285E+21	3,659960E+21	1,307151E+21	1,275608E+20	0,000000E+00	0,000000E+00	1,275537E+20	1,307120E+21

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°
1825	3,659889E+21	6,555135E+21	8,780239E+21	8,780432E+21	6,555484E+21	3,660165E+21	1,307305E+21	1,276275E+20	0,000000E+00	0,000000E+00	1,276001E+20	1,307142E+21
1826	3,659926E+21	6,555289E+21	8,780358E+21	8,780265E+21	6,555037E+21	3,659756E+21	1,307094E+21	1,275900E+20	0,000000E+00	0,000000E+00	1,276562E+20	1,307342E+21
1827	3,660003E+21	6,555008E+21	8,779713E+21	8,779605E+21	6,554837E+21	3,659925E+21	1,307319E+21	1,276597E+20	0,000000E+00	0,000000E+00	1,276192E+20	1,307152E+21
1828	3,659658E+21	6,554543E+21	8,779520E+21	8,779782E+21	6,555065E+21	3,660010E+21	1,307313E+21	1,276731E+20	0,000000E+00	0,000000E+00	1,276760E+20	1,307313E+21
1829	3,659975E+21	6,554981E+21	8,779722E+21	8,779547E+21	6,554551E+21	3,659661E+21	1,307171E+21	1,276352E+20	0,000000E+00	0,000000E+00	1,276786E+20	1,307368E+21
1830	3,659937E+21	6,554679E+21	8,779188E+21	8,779269E+21	6,554785E+21	3,659995E+21	1,307405E+21	1,276936E+20	0,000000E+00	0,000000E+00	1,276294E+20	1,307143E+21
1831	3,659702E+21	6,554760E+21	8,779764E+21	8,779811E+21	6,554942E+21	3,659890E+21	1,307235E+21	1,276522E+20	0,000000E+00	0,000000E+00	1,276796E+20	1,307349E+21
1832	3,660036E+21	6,555129E+21	8,779966E+21	8,779761E+21	6,554689E+21	3,659743E+21	1,307202E+21	1,276220E+20	0,000000E+00	0,000000E+00	1,276213E+20	1,307205E+21
1833	3,659796E+21	6,554765E+21	8,779686E+21	8,779996E+21	6,555268E+21	3,660110E+21	1,307340E+21	1,276519E+20	0,000000E+00	0,000000E+00	1,275946E+20	1,307115E+21
1834	3,659838E+21	6,555191E+21	8,780337E+21	8,780375E+21	6,555254E+21	3,659866E+21	1,307079E+21	1,275710E+20	0,000000E+00	0,000000E+00	1,276306E+20	1,307316E+21
1835	3,660127E+21	6,555407E+21	8,780323E+21	8,780176E+21	6,555175E+21	3,659987E+21	1,307197E+21	1,275720E+20	0,000000E+00	0,000000E+00	1,275416E+20	1,307085E+21
1836	3,659874E+21	6,555211E+21	8,780465E+21	8,780727E+21	6,555681E+21	3,660192E+21	1,307234E+21	1,275888E+20	0,000000E+00	0,000000E+00	1,275602E+20	1,307124E+21
1837	3,660108E+21	6,555779E+21	8,781025E+21	8,780903E+21	6,555422E+21	3,659848E+21	1,307016E+21	1,275174E+20	0,000000E+00	0,000000E+00	1,275695E+20	1,307220E+21
1838	3,660126E+21	6,555568E+21	8,780592E+21	8,780590E+21	6,555557E+21	3,660128E+21	1,307227E+21	1,275754E+20	0,000000E+00	0,000000E+00	1,275131E+20	1,306996E+21
1839	3,659814E+21	6,555366E+21	8,780823E+21	8,780973E+21	6,555754E+21	3,660140E+21	1,307154E+21	1,275680E+20	0,000000E+00	0,000000E+00	1,275913E+20	1,307216E+21
1840	3,660135E+21	6,555628E+21	8,780791E+21	8,780642E+21	6,555238E+21	3,659844E+21	1,307076E+21	1,275442E+20	0,000000E+00	0,000000E+00	1,275767E+20	1,307204E+21
1841	3,659998E+21	6,555183E+21	8,780054E+21	8,780227E+21	6,555399E+21	3,660140E+21	1,307313E+21	1,276296E+20	0,000000E+00	0,000000E+00	1,275817E+20	1,307096E+21
1842	3,659840E+21	6,555189E+21	8,780278E+21	8,780253E+21	6,555197E+21	3,659892E+21	1,307135E+21	1,275979E+20	0,000000E+00	0,000000E+00	1,276629E+20	1,307346E+21
1843	3,660063E+21	6,555168E+21	8,779908E+21	8,779614E+21	6,554650E+21	3,659781E+21	1,307243E+21	1,276398E+20	0,000000E+00	0,000000E+00	1,276326E+20	1,307213E+21
1844	3,659713E+21	6,554495E+21	8,779302E+21	8,779550E+21	6,554914E+21	3,660010E+21	1,307408E+21	1,277113E+20	0,000000E+00	0,000000E+00	1,276766E+20	1,307227E+21
1845	3,659734E+21	6,554615E+21	8,779387E+21	8,779368E+21	6,554479E+21	3,659620E+21	1,307196E+21	1,276725E+20	0,000000E+00	0,000000E+00	1,277357E+20	1,307453E+21
1846	3,659864E+21	6,554353E+21	8,778640E+21	8,778554E+21	6,554203E+21	3,659776E+21	1,307418E+21	1,277389E+20	0,000000E+00	0,000000E+00	1,276977E+20	1,307255E+21
1847	3,659542E+21	6,554014E+21	8,778634E+21	8,778808E+21	6,554414E+21	3,659858E+21	1,307418E+21	1,277515E+20	0,000000E+00	0,000000E+00	1,277519E+20	1,307398E+21
1848	3,659822E+21	6,554432E+21	8,778886E+21	8,778694E+21	6,553966E+21	3,659495E+21	1,307262E+21	1,277112E+20	0,000000E+00	0,000000E+00	1,277491E+20	1,307429E+21
1849	3,659774E+21	6,554197E+21	8,778440E+21	8,778472E+21	6,554236E+21	3,659825E+21	1,307472E+21	1,277603E+20	0,000000E+00	0,000000E+00	1,276979E+20	1,307214E+21
1850	3,659520E+21	6,554191E+21	8,778978E+21	8,779072E+21	6,554466E+21	3,659745E+21	1,307295E+21	1,277139E+20	0,000000E+00	0,000000E+00	1,277439E+20	1,307419E+21
1851	3,659856E+21	6,554519E+21	8,779079E+21	8,778953E+21	6,554227E+21	3,659632E+21	1,307270E+21	1,276798E+20	0,000000E+00	0,000000E+00	1,276858E+20	1,307297E+21
1852	3,659685E+21	6,554244E+21	8,778868E+21	8,779210E+21	6,554791E+21	3,659999E+21	1,307423E+21	1,277141E+20	0,000000E+00	0,000000E+00	1,276534E+20	1,307189E+21
1853	3,659726E+21	6,554717E+21	8,779589E+21	8,779627E+21	6,554781E+21	3,659749E+21	1,307161E+21	1,276336E+20	0,000000E+00	0,000000E+00	1,276896E+20	1,307393E+21
1854	3,660018E+21	6,554934E+21	8,779532E+21	8,779334E+21	6,554633E+21	3,659846E+21	1,307277E+21	1,276383E+20	0,000000E+00	0,000000E+00	1,276033E+20	1,307152E+21
1855	3,659738E+21	6,554747E+21	8,779761E+21	8,779940E+21	6,555120E+21	3,660044E+21	1,307327E+21	1,276610E+20	0,000000E+00	0,000000E+00	1,276298E+20	1,307197E+21
1856	3,659928E+21	6,555188E+21	8,780200E+21	8,780135E+21	6,554921E+21	3,659697E+21	1,307097E+21	1,275910E+20	0,000000E+00	0,000000E+00	1,276439E+20	1,307308E+21
1857	3,659990E+21	6,555037E+21	8,779715E+21	8,779684E+21	6,554988E+21	3,659966E+21	1,307294E+21	1,276439E+20	0,000000E+00	0,000000E+00	1,275948E+20	1,307115E+21
1858	3,659703E+21	6,554804E+21	8,779903E+21	8,780034E+21	6,555154E+21	3,659976E+21	1,307228E+21	1,276366E+20	0,000000E+00	0,000000E+00	1,276685E+20	1,307317E+21
1859	3,660009E+21	6,555067E+21	8,779859E+21	8,779674E+21	6,554623E+21	3,659680E+21	1,307163E+21	1,276174E+20	0,000000E+00	0,000000E+00	1,276540E+20	1,307300E+21
1860	3,659859E+21	6,554629E+21	8,779201E+21	8,779325E+21	6,554788E+21	3,659981E+21	1,307422E+21	1,277128E+20	0,000000E+00	0,000000E+00	1,276548E+20	1,307161E+21

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°
1861	3,659626E+21	6,554536E+21	8,779387E+21	8,779406E+21	6,554637E+21	3,659745E+21	1,307246E+21	1,276842E+20	0,000000E+00	0,000000E+00	1,277388E+20	1,307425E+21
1862	3,659839E+21	6,554424E+21	8,778823E+21	8,778595E+21	6,554035E+21	3,659626E+21	1,307347E+21	1,277270E+20	0,000000E+00	0,000000E+00	1,277152E+20	1,307308E+21
1863	3,659520E+21	6,553792E+21	8,778241E+21	8,778476E+21	6,554243E+21	3,659862E+21	1,307522E+21	1,277975E+20	0,000000E+00	0,000000E+00	1,277622E+20	1,307336E+21
1864	3,659570E+21	6,553931E+21	8,778333E+21	8,778344E+21	6,553838E+21	3,659455E+21	1,307296E+21	1,277550E+20	0,000000E+00	0,000000E+00	1,278176E+20	1,307556E+21
1865	3,659760E+21	6,553855E+21	8,777737E+21	8,777553E+21	6,553540E+21	3,659583E+21	1,307489E+21	1,278104E+20	0,000000E+00	0,000000E+00	1,277766E+20	1,307356E+21
1866	3,659422E+21	6,553512E+21	8,777841E+21	8,777954E+21	6,553818E+21	3,659678E+21	1,307489E+21	1,278199E+20	0,000000E+00	0,000000E+00	1,278204E+20	1,307468E+21
1867	3,659653E+21	6,553878E+21	8,778089E+21	8,777915E+21	6,553460E+21	3,659347E+21	1,307336E+21	1,277781E+20	0,000000E+00	0,000000E+00	1,278174E+20	1,307505E+21
1868	3,659604E+21	6,553618E+21	8,777659E+21	8,777760E+21	6,553790E+21	3,659709E+21	1,307555E+21	1,278281E+20	0,000000E+00	0,000000E+00	1,277618E+20	1,307287E+21
1869	3,659354E+21	6,553594E+21	8,778136E+21	8,778316E+21	6,554031E+21	3,659654E+21	1,307379E+21	1,277785E+20	0,000000E+00	0,000000E+00	1,278083E+20	1,307508E+21
1870	3,659735E+21	6,553955E+21	8,778148E+21	8,778023E+21	6,553680E+21	3,659510E+21	1,307352E+21	1,277435E+20	0,000000E+00	0,000000E+00	1,277503E+20	1,307385E+21
1871	3,659600E+21	6,553813E+21	8,778114E+21	8,778328E+21	6,554195E+21	3,659854E+21	1,307510E+21	1,277808E+20	0,000000E+00	0,000000E+00	1,277184E+20	1,307264E+21
1872	3,659605E+21	6,554245E+21	8,778861E+21	8,778857E+21	6,554244E+21	3,659588E+21	1,307240E+21	1,277021E+20	0,000000E+00	0,000000E+00	1,277534E+20	1,307456E+21
1873	3,659891E+21	6,554500E+21	8,778841E+21	8,778578E+21	6,554096E+21	3,659664E+21	1,307330E+21	1,277014E+20	0,000000E+00	0,000000E+00	1,276725E+20	1,307235E+21
1874	3,659589E+21	6,554212E+21	8,779002E+21	8,779201E+21	6,554628E+21	3,659887E+21	1,307382E+21	1,277234E+20	0,000000E+00	0,000000E+00	1,276982E+20	1,307279E+21
1875	3,659770E+21	6,554593E+21	8,779311E+21	8,779290E+21	6,554427E+21	3,659579E+21	1,307174E+21	1,276560E+20	0,000000E+00	0,000000E+00	1,277155E+20	1,307405E+21
1876	3,659867E+21	6,554482E+21	8,778874E+21	8,778851E+21	6,554464E+21	3,659845E+21	1,307393E+21	1,277170E+20	0,000000E+00	0,000000E+00	1,276645E+20	1,307197E+21
1877	3,659562E+21	6,554242E+21	8,779042E+21	8,779176E+21	6,554619E+21	3,659855E+21	1,307334E+21	1,277140E+20	0,000000E+00	0,000000E+00	1,277384E+20	1,307390E+21
1878	3,659827E+21	6,554434E+21	8,778887E+21	8,778678E+21	6,553998E+21	3,659536E+21	1,307276E+21	1,277023E+20	0,000000E+00	0,000000E+00	1,277299E+20	1,307377E+21
1879	3,659665E+21	6,553992E+21	8,778277E+21	8,778349E+21	6,554126E+21	3,659814E+21	1,307536E+21	1,278018E+20	0,000000E+00	0,000000E+00	1,277382E+20	1,307250E+21
1880	3,659410E+21	6,553784E+21	8,778318E+21	8,778412E+21	6,554015E+21	3,659573E+21	1,307346E+21	1,277727E+20	0,000000E+00	0,000000E+00	1,278255E+20	1,307532E+21
1881	3,659693E+21	6,553784E+21	8,777759E+21	8,777500E+21	6,553340E+21	3,659431E+21	1,307423E+21	1,278052E+20	0,000000E+00	0,000000E+00	1,278066E+20	1,307444E+21
1882	3,659419E+21	6,553209E+21	8,777261E+21	8,777443E+21	6,553552E+21	3,659654E+21	1,307591E+21	1,278704E+20	0,000000E+00	0,000000E+00	1,278435E+20	1,307446E+21
1883	3,659458E+21	6,553391E+21	8,777426E+21	8,777374E+21	6,553209E+21	3,659282E+21	1,307377E+21	1,278284E+20	0,000000E+00	0,000000E+00	1,278947E+20	1,307649E+21
1884	3,659626E+21	6,553333E+21	8,776987E+21	8,776770E+21	6,552987E+21	3,659431E+21	1,307581E+21	1,278856E+20	0,000000E+00	0,000000E+00	1,278453E+20	1,307419E+21
1885	3,659231E+21	6,552920E+21	8,777049E+21	8,777238E+21	6,553358E+21	3,659559E+21	1,307580E+21	1,278933E+20	0,000000E+00	0,000000E+00	1,278858E+20	1,307529E+21
1886	3,659439E+21	6,553203E+21	8,777130E+21	8,777043E+21	6,552967E+21	3,659247E+21	1,307429E+21	1,278496E+20	0,000000E+00	0,000000E+00	1,278856E+20	1,307583E+21
1887	3,659440E+21	6,553018E+21	8,776764E+21	8,776847E+21	6,553228E+21	3,659600E+21	1,307652E+21	1,278975E+20	0,000000E+00	0,000000E+00	1,278302E+20	1,307374E+21
1888	3,659222E+21	6,553019E+21	8,777235E+21	8,777440E+21	6,553489E+21	3,659524E+21	1,307465E+21	1,278458E+20	0,000000E+00	0,000000E+00	1,278724E+20	1,307587E+21
1889	3,659661E+21	6,553558E+21	8,777393E+21	8,777158E+21	6,553094E+21	3,659336E+21	1,307408E+21	1,278023E+20	0,000000E+00	0,000000E+00	1,278158E+20	1,307473E+21
1890	3,659516E+21	6,553414E+21	8,777467E+21	8,777598E+21	6,553649E+21	3,659668E+21	1,307560E+21	1,278392E+20	0,000000E+00	0,000000E+00	1,277788E+20	1,307332E+21
1891	3,659472E+21	6,553775E+21	8,778176E+21	8,778176E+21	6,553780E+21	3,659443E+21	1,307303E+21	1,277637E+20	0,000000E+00	0,000000E+00	1,278182E+20	1,307533E+21
1892	3,659747E+21	6,553974E+21	8,778139E+21	8,777931E+21	6,553664E+21	3,659545E+21	1,307405E+21	1,277679E+20	0,000000E+00	0,000000E+00	1,277383E+20	1,307314E+21
1893	3,659442E+21	6,553638E+21	8,778170E+21	8,778443E+21	6,554187E+21	3,659800E+21	1,307472E+21	1,277916E+20	0,000000E+00	0,000000E+00	1,277659E+20	1,307360E+21
1894	3,659621E+21	6,553992E+21	8,778350E+21	8,778333E+21	6,553859E+21	3,659466E+21	1,307275E+21	1,277308E+20	0,000000E+00	0,000000E+00	1,277868E+20	1,307486E+21
1895	3,659724E+21	6,553933E+21	8,777992E+21	8,777870E+21	6,553810E+21	3,659703E+21	1,307506E+21	1,277999E+20	0,000000E+00	0,000000E+00	1,277415E+20	1,307274E+21
1896	3,659375E+21	6,553592E+21	8,778087E+21	8,778237E+21	6,554004E+21	3,659698E+21	1,307443E+21	1,278000E+20	0,000000E+00	0,000000E+00	1,278164E+20	1,307464E+21

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°
1897	3,659646E+21	6,553810E+21	8,777912E+21	8,777681E+21	6,553329E+21	3,659333E+21	1,307353E+21	1,277830E+20	0,000000E+00	0,000000E+00	1,278179E+20	1,307490E+21
1898	3,659495E+21	6,553314E+21	8,777261E+21	8,777351E+21	6,553461E+21	3,659605E+21	1,307602E+21	1,278773E+20	0,000000E+00	0,000000E+00	1,278240E+20	1,307368E+21
1899	3,659265E+21	6,553121E+21	8,777264E+21	8,777366E+21	6,553356E+21	3,659398E+21	1,307427E+21	1,278479E+20	0,000000E+00	0,000000E+00	1,279108E+20	1,307655E+21
1900	3,659581E+21	6,553201E+21	8,776849E+21	8,776571E+21	6,552709E+21	3,659260E+21	1,307511E+21	1,278821E+20	0,000000E+00	0,000000E+00	1,278848E+20	1,307542E+21
1901	3,659296E+21	6,552673E+21	8,776411E+21	8,776574E+21	6,552990E+21	3,659517E+21	1,307686E+21	1,279464E+20	0,000000E+00	0,000000E+00	1,279142E+20	1,307516E+21
1902	3,659278E+21	6,552795E+21	8,776526E+21	8,776456E+21	6,552628E+21	3,659158E+21	1,307488E+21	1,279100E+20	0,000000E+00	0,000000E+00	1,279660E+20	1,307714E+21
1903	3,659431E+21	6,552729E+21	8,776142E+21	8,775922E+21	6,552429E+21	3,659308E+21	1,307691E+21	1,279673E+20	0,000000E+00	0,000000E+00	1,279196E+20	1,307494E+21
1904	3,659028E+21	6,552223E+21	8,776069E+21	8,776380E+21	6,552855E+21	3,659446E+21	1,307678E+21	1,279707E+20	0,000000E+00	0,000000E+00	1,279582E+20	1,307615E+21
1905	3,659308E+21	6,552633E+21	8,776171E+21	8,776079E+21	6,552366E+21	3,659091E+21	1,307498E+21	1,279144E+20	0,000000E+00	0,000000E+00	1,279614E+20	1,307696E+21
1906	3,659360E+21	6,552538E+21	8,775942E+21	8,775963E+21	6,552608E+21	3,659405E+21	1,307703E+21	1,279554E+20	0,000000E+00	0,000000E+00	1,278956E+20	1,307464E+21
1907	3,659140E+21	6,552597E+21	8,776493E+21	8,776620E+21	6,552925E+21	3,659362E+21	1,307528E+21	1,279058E+20	0,000000E+00	0,000000E+00	1,279350E+20	1,307660E+21
1908	3,659545E+21	6,553135E+21	8,776804E+21	8,776549E+21	6,552625E+21	3,659192E+21	1,307477E+21	1,278653E+20	0,000000E+00	0,000000E+00	1,278738E+20	1,307528E+21
1909	3,659362E+21	6,552928E+21	8,776807E+21	8,777007E+21	6,553261E+21	3,659556E+21	1,307629E+21	1,279025E+20	0,000000E+00	0,000000E+00	1,278375E+20	1,307386E+21
1910	3,659281E+21	6,553165E+21	8,777299E+21	8,777382E+21	6,553335E+21	3,659367E+21	1,307395E+21	1,278323E+20	0,000000E+00	0,000000E+00	1,278826E+20	1,307605E+21
1911	3,659593E+21	6,553405E+21	8,777281E+21	8,777082E+21	6,553140E+21	3,659452E+21	1,307505E+21	1,278394E+20	0,000000E+00	0,000000E+00	1,278085E+20	1,307398E+21
1912	3,659299E+21	6,553040E+21	8,777227E+21	8,777546E+21	6,553640E+21	3,659680E+21	1,307572E+21	1,278659E+20	0,000000E+00	0,000000E+00	1,278357E+20	1,307435E+21
1913	3,659499E+21	6,553485E+21	8,777463E+21	8,777365E+21	6,553211E+21	3,659293E+21	1,307354E+21	1,278020E+20	0,000000E+00	0,000000E+00	1,278640E+20	1,307581E+21
1914	3,659588E+21	6,553396E+21	8,777159E+21	8,776979E+21	6,553145E+21	3,659487E+21	1,307575E+21	1,278723E+20	0,000000E+00	0,000000E+00	1,278188E+20	1,307366E+21
1915	3,659211E+21	6,552981E+21	8,777153E+21	8,777317E+21	6,553386E+21	3,659515E+21	1,307520E+21	1,278755E+20	0,000000E+00	0,000000E+00	1,278991E+20	1,307572E+21
1916	3,659485E+21	6,553167E+21	8,776986E+21	8,776799E+21	6,552741E+21	3,659169E+21	1,307435E+21	1,278613E+20	0,000000E+00	0,000000E+00	1,279013E+20	1,307605E+21
1917	3,659369E+21	6,552699E+21	8,776280E+21	8,776400E+21	6,552864E+21	3,659453E+21	1,307687E+21	1,279531E+20	0,000000E+00	0,000000E+00	1,279039E+20	1,307470E+21
1918	3,659127E+21	6,552507E+21	8,776241E+21	8,776315E+21	6,552694E+21	3,659253E+21	1,307537E+21	1,279313E+20	0,000000E+00	0,000000E+00	1,279889E+20	1,307744E+21
1919	3,659436E+21	6,552645E+21	8,775971E+21	8,775615E+21	6,552058E+21	3,659113E+21	1,307629E+21	1,279700E+20	0,000000E+00	0,000000E+00	1,279639E+20	1,307613E+21
1920	3,659090E+21	6,552016E+21	8,775482E+21	8,775700E+21	6,552422E+21	3,659382E+21	1,307801E+21	1,280338E+20	0,000000E+00	0,000000E+00	1,279892E+20	1,307578E+21
1921	3,659074E+21	6,552154E+21	8,775569E+21	8,775526E+21	6,552031E+21	3,659001E+21	1,307575E+21	1,279886E+20	0,000000E+00	0,000000E+00	1,280473E+20	1,307810E+21
1922	3,659249E+21	6,552067E+21	8,775169E+21	8,775004E+21	6,551832E+21	3,659138E+21	1,307762E+21	1,280354E+20	0,000000E+00	0,000000E+00	1,279955E+20	1,307598E+21
1923	3,658896E+21	6,551622E+21	8,775087E+21	8,775429E+21	6,552265E+21	3,659298E+21	1,307752E+21	1,280351E+20	0,000000E+00	0,000000E+00	1,280304E+20	1,307718E+21
1924	3,659208E+21	6,552137E+21	8,775383E+21	8,775274E+21	6,551809E+21	3,658933E+21	1,307568E+21	1,279775E+20	0,000000E+00	0,000000E+00	1,280257E+20	1,307779E+21
1925	3,659267E+21	6,552114E+21	8,775243E+21	8,775237E+21	6,552114E+21	3,659265E+21	1,307768E+21	1,280154E+20	0,000000E+00	0,000000E+00	1,279524E+20	1,307521E+21
1926	3,658994E+21	6,552122E+21	8,775774E+21	8,775880E+21	6,552425E+21	3,659241E+21	1,307615E+21	1,279737E+20	0,000000E+00	0,000000E+00	1,279943E+20	1,307716E+21
1927	3,659383E+21	6,552631E+21	8,776094E+21	8,775859E+21	6,552168E+21	3,659084E+21	1,307565E+21	1,279358E+20	0,000000E+00	0,000000E+00	1,279388E+20	1,307595E+21
1928	3,659190E+21	6,552331E+21	8,775942E+21	8,776255E+21	6,552830E+21	3,659471E+21	1,307718E+21	1,279714E+20	0,000000E+00	0,000000E+00	1,279042E+20	1,307466E+21
1929	3,659169E+21	6,552649E+21	8,776404E+21	8,776468E+21	6,552765E+21	3,659231E+21	1,307468E+21	1,278958E+20	0,000000E+00	0,000000E+00	1,279561E+20	1,307707E+21
1930	3,659500E+21	6,552924E+21	8,776454E+21	8,776202E+21	6,552516E+21	3,659261E+21	1,307567E+21	1,279014E+20	0,000000E+00	0,000000E+00	1,278796E+20	1,307490E+21
1931	3,659191E+21	6,552556E+21	8,776388E+21	8,776657E+21	6,553030E+21	3,659508E+21	1,307647E+21	1,279336E+20	0,000000E+00	0,000000E+00	1,279089E+20	1,307517E+21
1932	3,659332E+21	6,552936E+21	8,776701E+21	8,776606E+21	6,552646E+21	3,659119E+21	1,307434E+21	1,278757E+20	0,000000E+00	0,000000E+00	1,279371E+20	1,307660E+21

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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°
1933	3,659409E+21	6,552788E+21	8,776287E+21	8,776175E+21	6,552618E+21	3,659334E+21	1,307651E+21	1,279462E+20	0,000000E+00	0,000000E+00	1,278932E+20	1,307446E+21
1934	3,659012E+21	6,552293E+21	8,776110E+21	8,776315E+21	6,552777E+21	3,659389E+21	1,307628E+21	1,279571E+20	0,000000E+00	0,000000E+00	1,279773E+20	1,307668E+21
1935	3,659330E+21	6,552537E+21	8,775982E+21	8,775790E+21	6,552110E+21	3,659037E+21	1,307550E+21	1,279477E+20	0,000000E+00	0,000000E+00	1,279830E+20	1,307702E+21
1936	3,659216E+21	6,552067E+21	8,775263E+21	8,775411E+21	6,552253E+21	3,659317E+21	1,307801E+21	1,280386E+20	0,000000E+00	0,000000E+00	1,279825E+20	1,307555E+21
1937	3,658988E+21	6,551943E+21	8,775288E+21	8,775297E+21	6,552013E+21	3,659081E+21	1,307637E+21	1,280144E+20	0,000000E+00	0,000000E+00	1,280721E+20	1,307839E+21
1938	3,659267E+21	6,552047E+21	8,775087E+21	8,774730E+21	6,551410E+21	3,658909E+21	1,307714E+21	1,280488E+20	0,000000E+00	0,000000E+00	1,280462E+20	1,307708E+21
1939	3,658907E+21	6,551363E+21	8,774498E+21	8,774778E+21	6,551837E+21	3,659221E+21	1,307887E+21	1,281104E+20	0,000000E+00	0,000000E+00	1,280715E+20	1,307681E+21
1940	3,658889E+21	6,551491E+21	8,774637E+21	8,774661E+21	6,551475E+21	3,658860E+21	1,307659E+21	1,280616E+20	0,000000E+00	0,000000E+00	1,281248E+20	1,307917E+21
1941	3,659131E+21	6,551499E+21	8,774245E+21	8,774104E+21	6,551265E+21	3,658988E+21	1,307833E+21	1,281002E+20	0,000000E+00	0,000000E+00	1,280640E+20	1,307685E+21
1942	3,658776E+21	6,551098E+21	8,774182E+21	8,774463E+21	6,551648E+21	3,659154E+21	1,307845E+21	1,281055E+20	0,000000E+00	0,000000E+00	1,280941E+20	1,307791E+21
1943	3,659091E+21	6,551689E+21	8,774648E+21	8,774474E+21	6,551273E+21	3,658802E+21	1,307660E+21	1,280497E+20	0,000000E+00	0,000000E+00	1,280885E+20	1,307836E+21
1944	3,659103E+21	6,551598E+21	8,774502E+21	8,774545E+21	6,551661E+21	3,659142E+21	1,307852E+21	1,280850E+20	0,000000E+00	0,000000E+00	1,280131E+20	1,307578E+21
1945	3,658842E+21	6,551608E+21	8,774987E+21	8,775111E+21	6,551930E+21	3,659104E+21	1,307684E+21	1,280380E+20	0,000000E+00	0,000000E+00	1,280631E+20	1,307802E+21
1946	3,659242E+21	6,552095E+21	8,775299E+21	8,775107E+21	6,551662E+21	3,658931E+21	1,307623E+21	1,279928E+20	0,000000E+00	0,000000E+00	1,280061E+20	1,307687E+21
1947	3,659078E+21	6,551822E+21	8,775088E+21	8,775411E+21	6,552300E+21	3,659337E+21	1,307786E+21	1,280298E+20	0,000000E+00	0,000000E+00	1,279718E+20	1,307553E+21
1948	3,659044E+21	6,552172E+21	8,775672E+21	8,775711E+21	6,552244E+21	3,659090E+21	1,307542E+21	1,279577E+20	0,000000E+00	0,000000E+00	1,280195E+20	1,307779E+21
1949	3,659375E+21	6,552462E+21	8,775715E+21	8,775438E+21	6,552001E+21	3,659115E+21	1,307641E+21	1,279664E+20	0,000000E+00	0,000000E+00	1,279421E+20	1,307549E+21
1950	3,659011E+21	6,551994E+21	8,775540E+21	8,775798E+21	6,552465E+21	3,659369E+21	1,307751E+21	1,280115E+20	0,000000E+00	0,000000E+00	1,279785E+20	1,307591E+21
1951	3,659148E+21	6,552319E+21	8,775797E+21	8,775751E+21	6,552114E+21	3,658993E+21	1,307540E+21	1,279601E+20	0,000000E+00	0,000000E+00	1,280157E+20	1,307753E+21
1952	3,659226E+21	6,552100E+21	8,775252E+21	8,775229E+21	6,552060E+21	3,659208E+21	1,307754E+21	1,280288E+20	0,000000E+00	0,000000E+00	1,279752E+20	1,307555E+21
1953	3,658895E+21	6,551696E+21	8,775072E+21	8,775225E+21	6,552069E+21	3,659205E+21	1,307720E+21	1,280370E+20	0,000000E+00	0,000000E+00	1,280647E+20	1,307789E+21
1954	3,659217E+21	6,551979E+21	8,775040E+21	8,774787E+21	6,551399E+21	3,658818E+21	1,307632E+21	1,280262E+20	0,000000E+00	0,000000E+00	1,280681E+20	1,307806E+21
1955	3,659073E+21	6,551499E+21	8,774334E+21	8,774437E+21	6,551595E+21	3,659136E+21	1,307894E+21	1,281188E+20	0,000000E+00	0,000000E+00	1,280673E+20	1,307647E+21
1956	3,658784E+21	6,551308E+21	8,774430E+21	8,774461E+21	6,551422E+21	3,658910E+21	1,307732E+21	1,280968E+20	0,000000E+00	0,000000E+00	1,281526E+20	1,307925E+21
1957	3,659067E+21	6,551370E+21	8,774110E+21	8,773847E+21	6,550873E+21	3,658766E+21	1,307799E+21	1,281247E+20	0,000000E+00	0,000000E+00	1,281238E+20	1,307795E+21
1958	3,658709E+21	6,550660E+21	8,773420E+21	8,773742E+21	6,551227E+21	3,659096E+21	1,307992E+21	1,281878E+20	0,000000E+00	0,000000E+00	1,281464E+20	1,307779E+21
1959	3,658746E+21	6,550878E+21	8,773647E+21	8,773674E+21	6,550874E+21	3,658726E+21	1,307762E+21	1,281394E+20	0,000000E+00	0,000000E+00	1,281966E+20	1,308002E+21
1960	3,658995E+21	6,550945E+21	8,773344E+21	8,773201E+21	6,550703E+21	3,658852E+21	1,307924E+21	1,281717E+20	0,000000E+00	0,000000E+00	1,281288E+20	1,307759E+21
1961	3,658672E+21	6,550652E+21	8,773412E+21	8,773586E+21	6,551031E+21	3,658976E+21	1,307922E+21	1,281743E+20	0,000000E+00	0,000000E+00	1,281615E+20	1,307869E+21
1962	3,658960E+21	6,551221E+21	8,773965E+21	8,773773E+21	6,550746E+21	3,658617E+21	1,307722E+21	1,281131E+20	0,000000E+00	0,000000E+00	1,281553E+20	1,307915E+21
1963	3,658962E+21	6,551088E+21	8,773737E+21	8,773824E+21	6,551209E+21	3,659009E+21	1,307913E+21	1,281454E+20	0,000000E+00	0,000000E+00	1,280820E+20	1,307667E+21
1964	3,658696E+21	6,551082E+21	8,774249E+21	8,774411E+21	6,551481E+21	3,658988E+21	1,307753E+21	1,280972E+20	0,000000E+00	0,000000E+00	1,281278E+20	1,307889E+21
1965	3,659139E+21	6,551619E+21	8,774528E+21	8,774349E+21	6,551193E+21	3,658805E+21	1,307686E+21	1,280486E+20	0,000000E+00	0,000000E+00	1,280653E+20	1,307753E+21
1966	3,658946E+21	6,551339E+21	8,774283E+21	8,774540E+21	6,551748E+21	3,659213E+21	1,307881E+21	1,280974E+20	0,000000E+00	0,000000E+00	1,280326E+20	1,307615E+21
1967	3,658889E+21	6,551662E+21	8,774903E+21	8,774925E+21	6,551740E+21	3,658972E+21	1,307646E+21	1,280345E+20	0,000000E+00	0,000000E+00	1,280842E+20	1,307831E+21
1968	3,659170E+21	6,551853E+21	8,774862E+21	8,774654E+21	6,551519E+21	3,658991E+21	1,307738E+21	1,280445E+20	0,000000E+00	0,000000E+00	1,280123E+20	1,307626E+21

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°
1969	3,658846E+21	6,551376E+21	8,774582E+21	8,774842E+21	6,551857E+21	3,659203E+21	1,307837E+21	1,280883E+20	0,000000E+00	0,000000E+00	1,280602E+20	1,307703E+21
1970	3,659009E+21	6,551702E+21	8,774834E+21	8,774793E+21	6,551476E+21	3,658804E+21	1,307617E+21	1,280329E+20	0,000000E+00	0,000000E+00	1,280994E+20	1,307875E+21
1971	3,659120E+21	6,551527E+21	8,774266E+21	8,774209E+21	6,551401E+21	3,659024E+21	1,307833E+21	1,281020E+20	0,000000E+00	0,000000E+00	1,280600E+20	1,307668E+21
1972	3,658761E+21	6,551150E+21	8,774224E+21	8,774312E+21	6,551442E+21	3,659028E+21	1,307807E+21	1,281134E+20	0,000000E+00	0,000000E+00	1,281430E+20	1,307880E+21
1973	3,659071E+21	6,551432E+21	8,774196E+21	8,773918E+21	6,550813E+21	3,658649E+21	1,307719E+21	1,281036E+20	0,000000E+00	0,000000E+00	1,281439E+20	1,307876E+21
1974	3,658857E+21	6,550841E+21	8,773375E+21	8,773479E+21	6,550985E+21	3,658992E+21	1,308010E+21	1,282052E+20	0,000000E+00	0,000000E+00	1,281462E+20	1,307732E+21
1975	3,658570E+21	6,550592E+21	8,773401E+21	8,773523E+21	6,550884E+21	3,658798E+21	1,307850E+21	1,281859E+20	0,000000E+00	0,000000E+00	1,282329E+20	1,308014E+21
1976	3,658871E+21	6,550649E+21	8,773018E+21	8,772835E+21	6,550297E+21	3,658646E+21	1,307908E+21	1,282067E+20	0,000000E+00	0,000000E+00	1,282031E+20	1,307902E+21
1977	3,658600E+21	6,550072E+21	8,772391E+21	8,772631E+21	6,550502E+21	3,658901E+21	1,308080E+21	1,282636E+20	0,000000E+00	0,000000E+00	1,282250E+20	1,307889E+21
1978	3,658647E+21	6,550376E+21	8,772804E+21	8,772737E+21	6,550199E+21	3,658509E+21	1,307833E+21	1,282095E+20	0,000000E+00	0,000000E+00	1,282701E+20	1,308091E+21
1979	3,658872E+21	6,550458E+21	8,772577E+21	8,772377E+21	6,550124E+21	3,658670E+21	1,307990E+21	1,282382E+20	0,000000E+00	0,000000E+00	1,281997E+20	1,307835E+21
1980	3,658499E+21	6,550142E+21	8,772755E+21	8,772933E+21	6,550556E+21	3,658821E+21	1,307988E+21	1,282401E+20	0,000000E+00	0,000000E+00	1,282265E+20	1,307941E+21
1981	3,658803E+21	6,550686E+21	8,773206E+21	8,773089E+21	6,550348E+21	3,658508E+21	1,307784E+21	1,281722E+20	0,000000E+00	0,000000E+00	1,282159E+20	1,307978E+21
1982	3,658795E+21	6,550521E+21	8,772890E+21	8,772997E+21	6,550738E+21	3,658923E+21	1,308005E+21	1,282090E+20	0,000000E+00	0,000000E+00	1,281426E+20	1,307744E+21
1983	3,658569E+21	6,550554E+21	8,773417E+21	8,773611E+21	6,551029E+21	3,658902E+21	1,307851E+21	1,281658E+20	0,000000E+00	0,000000E+00	1,281870E+20	1,307945E+21
1984	3,658987E+21	6,551095E+21	8,773717E+21	8,773550E+21	6,550721E+21	3,658705E+21	1,307780E+21	1,281162E+20	0,000000E+00	0,000000E+00	1,281258E+20	1,307821E+21
1985	3,658826E+21	6,550857E+21	8,773499E+21	8,773650E+21	6,551135E+21	3,659040E+21	1,307963E+21	1,281678E+20	0,000000E+00	0,000000E+00	1,281029E+20	1,307702E+21
1986	3,658749E+21	6,551124E+21	8,774114E+21	8,774118E+21	6,551163E+21	3,658779E+21	1,307716E+21	1,281042E+20	0,000000E+00	0,000000E+00	1,281600E+20	1,307932E+21
1987	3,659031E+21	6,551269E+21	8,773961E+21	8,773776E+21	6,550966E+21	3,658829E+21	1,307803E+21	1,281136E+20	0,000000E+00	0,000000E+00	1,280949E+20	1,307745E+21
1988	3,658719E+21	6,550819E+21	8,773733E+21	8,773955E+21	6,551261E+21	3,659026E+21	1,307905E+21	1,281579E+20	0,000000E+00	0,000000E+00	1,281396E+20	1,307818E+21
1989	3,658918E+21	6,551183E+21	8,773948E+21	8,773863E+21	6,550878E+21	3,658634E+21	1,307689E+21	1,281026E+20	0,000000E+00	0,000000E+00	1,281726E+20	1,307958E+21
1990	3,658975E+21	6,550978E+21	8,773380E+21	8,773238E+21	6,550767E+21	3,658870E+21	1,307939E+21	1,281825E+20	0,000000E+00	0,000000E+00	1,281355E+20	1,307745E+21
1991	3,658578E+21	6,550535E+21	8,773322E+21	8,773434E+21	6,550887E+21	3,658896E+21	1,307929E+21	1,282039E+20	0,000000E+00	0,000000E+00	1,282183E+20	1,307936E+21
1992	3,658820E+21	6,550702E+21	8,773200E+21	8,773015E+21	6,550288E+21	3,658536E+21	1,307839E+21	1,281935E+20	0,000000E+00	0,000000E+00	1,282244E+20	1,307962E+21
1993	3,658655E+21	6,550111E+21	8,772284E+21	8,772388E+21	6,550312E+21	3,658831E+21	1,308115E+21	1,282904E+20	0,000000E+00	0,000000E+00	1,282328E+20	1,307847E+21
1994	3,658409E+21	6,549895E+21	8,772329E+21	8,772457E+21	6,550192E+21	3,658608E+21	1,307940E+21	1,282641E+20	0,000000E+00	0,000000E+00	1,283167E+20	1,308130E+21
1995	3,658749E+21	6,550042E+21	8,771999E+21	8,771782E+21	6,549625E+21	3,658458E+21	1,307984E+21	1,282794E+20	0,000000E+00	0,000000E+00	1,282842E+20	1,308009E+21
1996	3,658476E+21	6,549570E+21	8,771603E+21	8,771746E+21	6,549869E+21	3,658703E+21	1,308148E+21	1,283333E+20	0,000000E+00	0,000000E+00	1,282956E+20	1,307976E+21
1997	3,658531E+21	6,549908E+21	8,772079E+21	8,771973E+21	6,549671E+21	3,658346E+21	1,307901E+21	1,282763E+20	0,000000E+00	0,000000E+00	1,283340E+20	1,308151E+21
1998	3,658697E+21	6,549915E+21	8,771820E+21	8,771630E+21	6,549642E+21	3,658547E+21	1,308078E+21	1,283084E+20	0,000000E+00	0,000000E+00	1,282652E+20	1,307910E+21
1999	3,658337E+21	6,549561E+21	8,771929E+21	8,772216E+21	6,550168E+21	3,658748E+21	1,308084E+21	1,283124E+20	0,000000E+00	0,000000E+00	1,282902E+20	1,308008E+21
2000	3,658643E+21	6,550105E+21	8,772332E+21	8,772295E+21	6,549923E+21	3,658441E+21	1,307879E+21	1,282383E+20	0,000000E+00	0,000000E+00	1,282792E+20	1,308060E+21
2001	3,658698E+21	6,550029E+21	8,772043E+21	8,772063E+21	6,550131E+21	3,658772E+21	1,308084E+21	1,282734E+20	0,000000E+00	0,000000E+00	1,282086E+20	1,307831E+21
2002	3,658472E+21	6,550091E+21	8,772667E+21	8,772794E+21	6,550444E+21	3,658725E+21	1,307920E+21	1,282289E+20	0,000000E+00	0,000000E+00	1,282531E+20	1,308019E+21
2003	3,658854E+21	6,550600E+21	8,772962E+21	8,772758E+21	6,550171E+21	3,658536E+21	1,307844E+21	1,281808E+20	0,000000E+00	0,000000E+00	1,281965E+20	1,307902E+21
2004	3,658661E+21	6,550336E+21	8,772788E+21	8,772923E+21	6,550610E+21	3,658863E+21	1,308021E+21	1,282333E+20	0,000000E+00	0,000000E+00	1,281736E+20	1,307795E+21

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	3,658621E+21	6,550583E+21	8,773293E+21	8,773322E+21	6,550664E+21	3,658636E+21	1,307777E+21	1,281670E+20	0,000000E+00	0,000000E+00	1,282282E+20	1,308015E+21
2006	3,658887E+21	6,550691E+21	8,773061E+21	8,772854E+21	6,550389E+21	3,658695E+21	1,307893E+21	1,281844E+20	0,000000E+00	0,000000E+00	1,281661E+20	1,307837E+21
2007	3,658595E+21	6,550262E+21	8,772834E+21	8,773076E+21	6,550737E+21	3,658911E+21	1,308011E+21	1,282369E+20	0,000000E+00	0,000000E+00	1,282080E+20	1,307878E+21
2008	3,658743E+21	6,550599E+21	8,773060E+21	8,772972E+21	6,550347E+21	3,658529E+21	1,307805E+21	1,281858E+20	0,000000E+00	0,000000E+00	1,282446E+20	1,308028E+21
2009	3,658799E+21	6,550361E+21	8,772456E+21	8,772252E+21	6,550094E+21	3,658697E+21	1,308050E+21	1,282704E+20	0,000000E+00	0,000000E+00	1,282188E+20	1,307839E+21
2010	3,658384E+21	6,549838E+21	8,772335E+21	8,772497E+21	6,550257E+21	3,658715E+21	1,308029E+21	1,282898E+20	0,000000E+00	0,000000E+00	1,283060E+20	1,308042E+21
2011	3,658625E+21	6,549963E+21	8,772097E+21	8,771969E+21	6,549649E+21	3,658374E+21	1,307930E+21	1,282758E+20	0,000000E+00	0,000000E+00	1,283178E+20	1,308089E+21
2012	3,658501E+21	6,549465E+21	8,771285E+21	8,771335E+21	6,549605E+21	3,658630E+21	1,308192E+21	1,283664E+20	0,000000E+00	0,000000E+00	1,283182E+20	1,307974E+21
2013	3,658320E+21	6,549348E+21	8,771377E+21	8,771440E+21	6,549515E+21	3,658411E+21	1,308010E+21	1,283357E+20	0,000000E+00	0,000000E+00	1,283904E+20	1,308214E+21
2014	3,658610E+21	6,549505E+21	8,771136E+21	8,770837E+21	6,548984E+21	3,658287E+21	1,308075E+21	1,283554E+20	0,000000E+00	0,000000E+00	1,283561E+20	1,308087E+21
2015	3,658323E+21	6,549018E+21	8,770794E+21	8,770984E+21	6,549381E+21	3,658571E+21	1,308246E+21	1,284136E+20	0,000000E+00	0,000000E+00	1,283621E+20	1,308030E+21
2016	3,658327E+21	6,549291E+21	8,771230E+21	8,771227E+21	6,549254E+21	3,658268E+21	1,308003E+21	1,283526E+20	0,000000E+00	0,000000E+00	1,284025E+20	1,308229E+21
2017	3,658537E+21	6,549308E+21	8,770920E+21	8,770747E+21	6,549093E+21	3,658424E+21	1,308165E+21	1,283776E+20	0,000000E+00	0,000000E+00	1,283371E+20	1,308010E+21
2018	3,658221E+21	6,549004E+21	8,771059E+21	8,771357E+21	6,549604E+21	3,658604E+21	1,308162E+21	1,283756E+20	0,000000E+00	0,000000E+00	1,283578E+20	1,308092E+21
2019	3,658528E+21	6,549598E+21	8,771494E+21	8,771433E+21	6,549377E+21	3,658303E+21	1,307945E+21	1,282976E+20	0,000000E+00	0,000000E+00	1,283460E+20	1,308138E+21
2020	3,658577E+21	6,549610E+21	8,771395E+21	8,771303E+21	6,549560E+21	3,658594E+21	1,308139E+21	1,283318E+20	0,000000E+00	0,000000E+00	1,282701E+20	1,307906E+21
2021	3,658362E+21	6,549653E+21	8,771981E+21	8,772077E+21	6,549939E+21	3,658568E+21	1,307978E+21	1,282886E+20	0,000000E+00	0,000000E+00	1,283114E+20	1,308073E+21
2022	3,658687E+21	6,550064E+21	8,772199E+21	8,772023E+21	6,549699E+21	3,658412E+21	1,307922E+21	1,282476E+20	0,000000E+00	0,000000E+00	1,282622E+20	1,307986E+21
2023	3,658527E+21	6,549770E+21	8,771933E+21	8,772172E+21	6,550179E+21	3,658761E+21	1,308108E+21	1,283060E+20	0,000000E+00	0,000000E+00	1,282407E+20	1,307871E+21
2024	3,658479E+21	6,550013E+21	8,772398E+21	8,772463E+21	6,550168E+21	3,658548E+21	1,307881E+21	1,282407E+20	0,000000E+00	0,000000E+00	1,282979E+20	1,308104E+21
2025	3,658776E+21	6,550158E+21	8,772173E+21	8,771877E+21	6,549722E+21	3,658525E+21	1,307987E+21	1,282616E+20	0,000000E+00	0,000000E+00	1,282426E+20	1,307927E+21
2026	3,658457E+21	6,549708E+21	8,771977E+21	8,772169E+21	6,550091E+21	3,658733E+21	1,308105E+21	1,283160E+20	0,000000E+00	0,000000E+00	1,282867E+20	1,307952E+21
2027	3,658540E+21	6,549951E+21	8,772123E+21	8,772055E+21	6,549746E+21	3,658372E+21	1,307899E+21	1,282685E+20	0,000000E+00	0,000000E+00	1,283304E+20	1,308117E+21
2028	3,658580E+21	6,549687E+21	8,771518E+21	8,771327E+21	6,549466E+21	3,658516E+21	1,308133E+21	1,283511E+20	0,000000E+00	0,000000E+00	1,283060E+20	1,307956E+21
2029	3,658231E+21	6,549159E+21	8,771273E+21	8,771482E+21	6,549632E+21	3,658555E+21	1,308110E+21	1,283653E+20	0,000000E+00	0,000000E+00	1,283865E+20	1,308143E+21
2030	3,658467E+21	6,549296E+21	8,771031E+21	8,770897E+21	6,548971E+21	3,658211E+21	1,308028E+21	1,283550E+20	0,000000E+00	0,000000E+00	1,283990E+20	1,308202E+21
2031	3,658387E+21	6,548874E+21	8,770300E+21	8,770374E+21	6,549001E+21	3,658471E+21	1,308289E+21	1,284475E+20	0,000000E+00	0,000000E+00	1,283908E+20	1,308048E+21
2032	3,658167E+21	6,548795E+21	8,770506E+21	8,770539E+21	6,548937E+21	3,658284E+21	1,308119E+21	1,284171E+20	0,000000E+00	0,000000E+00	1,284619E+20	1,308292E+21
2033	3,658455E+21	6,548941E+21	8,770287E+21	8,769943E+21	6,548351E+21	3,658114E+21	1,308172E+21	1,284361E+20	0,000000E+00	0,000000E+00	1,284327E+20	1,308176E+21
2034	3,658163E+21	6,548427E+21	8,769946E+21	8,770189E+21	6,548849E+21	3,658423E+21	1,308330E+21	1,284877E+20	0,000000E+00	0,000000E+00	1,284381E+20	1,308119E+21
2035	3,658167E+21	6,548681E+21	8,770305E+21	8,770355E+21	6,548738E+21	3,658156E+21	1,308084E+21	1,284216E+20	0,000000E+00	0,000000E+00	1,284796E+20	1,308326E+21
2036	3,658407E+21	6,548794E+21	8,770109E+21	8,769894E+21	6,548508E+21	3,658263E+21	1,308228E+21	1,284379E+20	0,000000E+00	0,000000E+00	1,284055E+20	1,308108E+21
2037	3,658146E+21	6,548567E+21	8,770283E+21	8,770541E+21	6,549054E+21	3,658445E+21	1,308217E+21	1,284319E+20	0,000000E+00	0,000000E+00	1,284146E+20	1,308143E+21
2038	3,658379E+21	6,549119E+21	8,770768E+21	8,770667E+21	6,548843E+21	3,658159E+21	1,308022E+21	1,283605E+20	0,000000E+00	0,000000E+00	1,284049E+20	1,308195E+21
2039	3,658419E+21	6,549094E+21	8,770663E+21	8,770658E+21	6,549140E+21	3,658473E+21	1,308220E+21	1,284011E+20	0,000000E+00	0,000000E+00	1,283275E+20	1,307952E+21
2040	3,658175E+21	6,549093E+21	8,771185E+21	8,771362E+21	6,549529E+21	3,658493E+21	1,308073E+21	1,283589E+20	0,000000E+00	0,000000E+00	1,283754E+20	1,308151E+21

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°
2041	3,658541E+21	6,549484E+21	8,771305E+21	8,771140E+21	6,549137E+21	3,658280E+21	1,308008E+21	1,283180E+20	0,000000E+00	0,000000E+00	1,283342E+20	1,308088E+21
2042	3,658424E+21	6,549235E+21	8,771057E+21	8,771300E+21	6,549596E+21	3,658608E+21	1,308187E+21	1,283740E+20	0,000000E+00	0,000000E+00	1,283141E+20	1,307961E+21
2043	3,658354E+21	6,549477E+21	8,771506E+21	8,771549E+21	6,549580E+21	3,658405E+21	1,307964E+21	1,283116E+20	0,000000E+00	0,000000E+00	1,283742E+20	1,308187E+21
2044	3,658625E+21	6,549660E+21	8,771407E+21	8,771025E+21	6,549085E+21	3,658335E+21	1,308061E+21	1,283340E+20	0,000000E+00	0,000000E+00	1,283208E+20	1,308023E+21
2045	3,658316E+21	6,549151E+21	8,771114E+21	8,771311E+21	6,549503E+21	3,658561E+21	1,308183E+21	1,283899E+20	0,000000E+00	0,000000E+00	1,283624E+20	1,308028E+21
2046	3,658329E+21	6,549267E+21	8,771141E+21	8,771134E+21	6,549165E+21	3,658231E+21	1,307998E+21	1,283495E+20	0,000000E+00	0,000000E+00	1,284140E+20	1,308227E+21
2047	3,658422E+21	6,548998E+21	8,770448E+21	8,770368E+21	6,548897E+21	3,658381E+21	1,308236E+21	1,284352E+20	0,000000E+00	0,000000E+00	1,283875E+20	1,308057E+21
2048	3,658089E+21	6,548528E+21	8,770215E+21	8,770423E+21	6,548991E+21	3,658426E+21	1,308224E+21	1,284485E+20	0,000000E+00	0,000000E+00	1,284660E+20	1,308249E+21
2049	3,658347E+21	6,548714E+21	8,770038E+21	8,769809E+21	6,548223E+21	3,658009E+21	1,308128E+21	1,284397E+20	0,000000E+00	0,000000E+00	1,284809E+20	1,308302E+21
2050	3,658254E+21	6,548321E+21	8,769423E+21	8,769442E+21	6,548322E+21	3,658270E+21	1,308378E+21	1,285285E+20	0,000000E+00	0,000000E+00	1,284706E+20	1,308127E+21
2051	3,657973E+21	6,548168E+21	8,769605E+21	8,769669E+21	6,548361E+21	3,658134E+21	1,308213E+21	1,284987E+20	0,000000E+00	0,000000E+00	1,285435E+20	1,308374E+21
2052	3,658256E+21	6,548338E+21	8,769447E+21	8,769127E+21	6,547793E+21	3,657952E+21	1,308244E+21	1,285078E+20	0,000000E+00	0,000000E+00	1,285115E+20	1,308279E+21
2053	3,658027E+21	6,547846E+21	8,769030E+21	8,769321E+21	6,548313E+21	3,658290E+21	1,308400E+21	1,285509E+20	0,000000E+00	0,000000E+00	1,285040E+20	1,308191E+21
2054	3,658009E+21	6,548110E+21	8,769415E+21	8,769484E+21	6,548204E+21	3,658040E+21	1,308171E+21	1,284857E+20	0,000000E+00	0,000000E+00	1,285428E+20	1,308402E+21
2055	3,658285E+21	6,548285E+21	8,769291E+21	8,769135E+21	6,548041E+21	3,658144E+21	1,308311E+21	1,285034E+20	0,000000E+00	0,000000E+00	1,284606E+20	1,308155E+21
2056	3,657996E+21	6,548091E+21	8,769537E+21	8,769790E+21	6,548580E+21	3,658348E+21	1,308314E+21	1,284996E+20	0,000000E+00	0,000000E+00	1,284719E+20	1,308203E+21
2057	3,658221E+21	6,548594E+21	8,769997E+21	8,769897E+21	6,548306E+21	3,658006E+21	1,308106E+21	1,284306E+20	0,000000E+00	0,000000E+00	1,284716E+20	1,308279E+21
2058	3,658283E+21	6,548563E+21	8,769872E+21	8,769912E+21	6,548642E+21	3,658329E+21	1,308287E+21	1,284663E+20	0,000000E+00	0,000000E+00	1,283993E+20	1,308046E+21
2059	3,658048E+21	6,548548E+21	8,770312E+21	8,770511E+21	6,549005E+21	3,658372E+21	1,308149E+21	1,284245E+20	0,000000E+00	0,000000E+00	1,284511E+20	1,308252E+21
2060	3,658442E+21	6,549039E+21	8,770535E+21	8,770290E+21	6,548534E+21	3,658099E+21	1,308065E+21	1,283792E+20	0,000000E+00	0,000000E+00	1,284067E+20	1,308192E+21
2061	3,658355E+21	6,548816E+21	8,770291E+21	8,770464E+21	6,549016E+21	3,658436E+21	1,308247E+21	1,284358E+20	0,000000E+00	0,000000E+00	1,283793E+20	1,308021E+21
2062	3,658184E+21	6,548947E+21	8,770717E+21	8,770740E+21	6,549023E+21	3,658262E+21	1,308056E+21	1,283844E+20	0,000000E+00	0,000000E+00	1,284446E+20	1,308256E+21
2063	3,658434E+21	6,549033E+21	8,770519E+21	8,770271E+21	6,548612E+21	3,658206E+21	1,308161E+21	1,284155E+20	0,000000E+00	0,000000E+00	1,283940E+20	1,308093E+21
2064	3,658108E+21	6,548480E+21	8,770117E+21	8,770398E+21	6,548980E+21	3,658468E+21	1,308300E+21	1,284727E+20	0,000000E+00	0,000000E+00	1,284416E+20	1,308129E+21
2065	3,658151E+21	6,548559E+21	8,770039E+21	8,770045E+21	6,548472E+21	3,658069E+21	1,308110E+21	1,284355E+20	0,000000E+00	0,000000E+00	1,284991E+20	1,308344E+21
2066	3,658294E+21	6,548373E+21	8,769409E+21	8,769308E+21	6,548190E+21	3,658192E+21	1,308330E+21	1,285162E+20	0,000000E+00	0,000000E+00	1,284717E+20	1,308159E+21
2067	3,657945E+21	6,547936E+21	8,769227E+21	8,769373E+21	6,548293E+21	3,658243E+21	1,308320E+21	1,285315E+20	0,000000E+00	0,000000E+00	1,285492E+20	1,308337E+21
2068	3,658182E+21	6,548177E+21	8,769198E+21	8,768881E+21	6,547537E+21	3,657795E+21	1,308207E+21	1,285195E+20	0,000000E+00	0,000000E+00	1,285633E+20	1,308402E+21
2069	3,658106E+21	6,547756E+21	8,768563E+21	8,768604E+21	6,547752E+21	3,658092E+21	1,308450E+21	1,286023E+20	0,000000E+00	0,000000E+00	1,285460E+20	1,308205E+21
2070	3,657770E+21	6,547509E+21	8,768670E+21	8,768814E+21	6,547837E+21	3,658013E+21	1,308310E+21	1,285752E+20	0,000000E+00	0,000000E+00	1,286212E+20	1,308474E+21
2071	3,658102E+21	6,547692E+21	8,768473E+21	8,768293E+21	6,547318E+21	3,657847E+21	1,308341E+21	1,285815E+20	0,000000E+00	0,000000E+00	1,285819E+20	1,308361E+21
2072	3,657892E+21	6,547303E+21	8,768122E+21	8,768413E+21	6,547777E+21	3,658189E+21	1,308501E+21	1,286208E+20	0,000000E+00	0,000000E+00	1,285690E+20	1,308270E+21
2073	3,657867E+21	6,547572E+21	8,768550E+21	8,768559E+21	6,547580E+21	3,657876E+21	1,308260E+21	1,285569E+20	0,000000E+00	0,000000E+00	1,286084E+20	1,308473E+21
2074	3,658144E+21	6,547784E+21	8,768527E+21	8,768344E+21	6,547481E+21	3,657976E+21	1,308384E+21	1,285700E+20	0,000000E+00	0,000000E+00	1,285269E+20	1,308222E+21
2075	3,657828E+21	6,547546E+21	8,768735E+21	8,769008E+21	6,548072E+21	3,658206E+21	1,308389E+21	1,285676E+20	0,000000E+00	0,000000E+00	1,285425E+20	1,308285E+21
2076	3,658076E+21	6,548099E+21	8,769242E+21	8,769131E+21	6,547788E+21	3,657847E+21	1,308160E+21	1,284904E+20	0,000000E+00	0,000000E+00	1,285427E+20	1,308391E+21

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°
2077	3,658211E+21	6,548109E+21	8,769094E+21	8,769122E+21	6,548129E+21	3,658177E+21	1,308334E+21	1,285198E+20	0,000000E+00	0,000000E+00	1,284620E+20	1,308127E+21
2078	3,657939E+21	6,548078E+21	8,769541E+21	8,769716E+21	6,548491E+21	3,658241E+21	1,308225E+21	1,284848E+20	0,000000E+00	0,000000E+00	1,285142E+20	1,308329E+21
2079	3,658329E+21	6,548567E+21	8,769786E+21	8,769586E+21	6,548083E+21	3,657977E+21	1,308150E+21	1,284466E+20	0,000000E+00	0,000000E+00	1,284662E+20	1,308242E+21
2080	3,658190E+21	6,548322E+21	8,769532E+21	8,769688E+21	6,548526E+21	3,658337E+21	1,308357E+21	1,285110E+20	0,000000E+00	0,000000E+00	1,284453E+20	1,308085E+21
2081	3,657974E+21	6,548302E+21	8,769815E+21	8,769878E+21	6,548461E+21	3,658118E+21	1,308165E+21	1,284681E+20	0,000000E+00	0,000000E+00	1,285213E+20	1,308345E+21
2082	3,658251E+21	6,548366E+21	8,769524E+21	8,769333E+21	6,548029E+21	3,658058E+21	1,308260E+21	1,284980E+20	0,000000E+00	0,000000E+00	1,284800E+20	1,308203E+21
2083	3,657944E+21	6,547801E+21	8,769023E+21	8,769306E+21	6,548310E+21	3,658313E+21	1,308406E+21	1,285562E+20	0,000000E+00	0,000000E+00	1,285304E+20	1,308246E+21
2084	3,658027E+21	6,547999E+21	8,769070E+21	8,768975E+21	6,547726E+21	3,657842E+21	1,308185E+21	1,285132E+20	0,000000E+00	0,000000E+00	1,285854E+20	1,308466E+21
2085	3,658195E+21	6,547853E+21	8,768507E+21	8,768310E+21	6,547485E+21	3,657966E+21	1,308394E+21	1,285897E+20	0,000000E+00	0,000000E+00	1,285492E+20	1,308235E+21
2086	3,657757E+21	6,547335E+21	8,768348E+21	8,768477E+21	6,547674E+21	3,658065E+21	1,308415E+21	1,286124E+20	0,000000E+00	0,000000E+00	1,286278E+20	1,308420E+21
2087	3,657985E+21	6,547508E+21	8,768269E+21	8,768100E+21	6,547063E+21	3,657665E+21	1,308308E+21	1,286035E+20	0,000000E+00	0,000000E+00	1,286397E+20	1,308477E+21
2088	3,657903E+21	6,547094E+21	8,767590E+21	8,767706E+21	6,547255E+21	3,658012E+21	1,308565E+21	1,286817E+20	0,000000E+00	0,000000E+00	1,286222E+20	1,308301E+21
2089	3,657590E+21	6,546821E+21	8,767634E+21	8,767816E+21	6,547223E+21	3,657880E+21	1,308421E+21	1,286548E+20	0,000000E+00	0,000000E+00	1,286958E+20	1,308570E+21
2090	3,657971E+21	6,547115E+21	8,767526E+21	8,767334E+21	6,546714E+21	3,657697E+21	1,308430E+21	1,286521E+20	0,000000E+00	0,000000E+00	1,286541E+20	1,308444E+21
2091	3,657752E+21	6,546774E+21	8,767254E+21	8,767471E+21	6,547169E+21	3,658036E+21	1,308587E+21	1,286905E+20	0,000000E+00	0,000000E+00	1,286378E+20	1,308344E+21
2092	3,657729E+21	6,547118E+21	8,767832E+21	8,767750E+21	6,546981E+21	3,657677E+21	1,308318E+21	1,286204E+20	0,000000E+00	0,000000E+00	1,286767E+20	1,308564E+21
2093	3,658035E+21	6,547324E+21	8,767820E+21	8,767632E+21	6,546989E+21	3,657799E+21	1,308424E+21	1,286264E+20	0,000000E+00	0,000000E+00	1,285896E+20	1,308299E+21
2094	3,657692E+21	6,547036E+21	8,767982E+21	8,768281E+21	6,547615E+21	3,658082E+21	1,308457E+21	1,286283E+20	0,000000E+00	0,000000E+00	1,286089E+20	1,308383E+21
2095	3,657984E+21	6,547600E+21	8,768460E+21	8,768434E+21	6,547380E+21	3,657745E+21	1,308238E+21	1,285528E+20	0,000000E+00	0,000000E+00	1,286024E+20	1,308463E+21
2096	3,658113E+21	6,547691E+21	8,768376E+21	8,768353E+21	6,547658E+21	3,658080E+21	1,308424E+21	1,285836E+20	0,000000E+00	0,000000E+00	1,285214E+20	1,308193E+21
2097	3,657791E+21	6,547570E+21	8,768769E+21	8,768894E+21	6,547930E+21	3,658098E+21	1,308325E+21	1,285589E+20	0,000000E+00	0,000000E+00	1,285772E+20	1,308381E+21
2098	3,658145E+21	6,548008E+21	8,768996E+21	8,768801E+21	6,547567E+21	3,657841E+21	1,308245E+21	1,285228E+20	0,000000E+00	0,000000E+00	1,285382E+20	1,308305E+21
2099	3,657970E+21	6,547665E+21	8,768604E+21	8,768793E+21	6,547981E+21	3,658208E+21	1,308459E+21	1,285921E+20	0,000000E+00	0,000000E+00	1,285264E+20	1,308175E+21
2100	3,657788E+21	6,547653E+21	8,768826E+21	8,768890E+21	6,547831E+21	3,657943E+21	1,308245E+21	1,285438E+20	0,000000E+00	0,000000E+00	1,286061E+20	1,308470E+21
2101	3,658139E+21	6,547764E+21	8,768521E+21	8,768313E+21	6,547375E+21	3,657864E+21	1,308324E+21	1,285678E+20	0,000000E+00	0,000000E+00	1,285595E+20	1,308309E+21
2102	3,657816E+21	6,547218E+21	8,768060E+21	8,768288E+21	6,547634E+21	3,658119E+21	1,308489E+21	1,286315E+20	0,000000E+00	0,000000E+00	1,286100E+20	1,308350E+21
2103	3,657899E+21	6,547421E+21	8,768169E+21	8,768085E+21	6,547139E+21	3,657675E+21	1,308280E+21	1,285946E+20	0,000000E+00	0,000000E+00	1,286600E+20	1,308542E+21
2104	3,658026E+21	6,547290E+21	8,767663E+21	8,767432E+21	6,546908E+21	3,657826E+21	1,308502E+21	1,286726E+20	0,000000E+00	0,000000E+00	1,286275E+20	1,308320E+21
2105	3,657545E+21	6,546637E+21	8,767367E+21	8,767551E+21	6,547082E+21	3,657913E+21	1,308528E+21	1,287014E+20	0,000000E+00	0,000000E+00	1,287099E+20	1,308517E+21
2106	3,657803E+21	6,546823E+21	8,767241E+21	8,767130E+21	6,546502E+21	3,657544E+21	1,308413E+21	1,286868E+20	0,000000E+00	0,000000E+00	1,287263E+20	1,308583E+21
2107	3,657741E+21	6,546436E+21	8,766541E+21	8,766640E+21	6,546618E+21	3,657878E+21	1,308671E+21	1,287609E+20	0,000000E+00	0,000000E+00	1,287043E+20	1,308406E+21
2108	3,657472E+21	6,546290E+21	8,766722E+21	8,766810E+21	6,546536E+21	3,657676E+21	1,308492E+21	1,287250E+20	0,000000E+00	0,000000E+00	1,287705E+20	1,308669E+21
2109	3,657870E+21	6,546638E+21	8,766732E+21	8,766459E+21	6,546096E+21	3,657491E+21	1,308481E+21	1,287139E+20	0,000000E+00	0,000000E+00	1,287192E+20	1,308509E+21
2110	3,657590E+21	6,546252E+21	8,766509E+21	8,766705E+21	6,546628E+21	3,657865E+21	1,308656E+21	1,287562E+20	0,000000E+00	0,000000E+00	1,287032E+20	1,308421E+21
2111	3,657579E+21	6,546562E+21	8,767073E+21	8,767100E+21	6,546586E+21	3,657564E+21	1,308394E+21	1,286870E+20	0,000000E+00	0,000000E+00	1,287380E+20	1,308633E+21
2112	3,657896E+21	6,546820E+21	8,767067E+21	8,766902E+21	6,546568E+21	3,657724E+21	1,308510E+21	1,286887E+20	0,000000E+00	0,000000E+00	1,286505E+20	1,308379E+21

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°
2113	3,657560E+21	6,546500E+21	8,767165E+21	8,767477E+21	6,547113E+21	3,657966E+21	1,308549E+21	1,286959E+20	0,000000E+00	0,000000E+00	1,286688E+20	1,308453E+21
2114	3,657874E+21	6,547131E+21	8,767693E+21	8,767639E+21	6,546898E+21	3,657634E+21	1,308323E+21	1,286188E+20	0,000000E+00	0,000000E+00	1,286647E+20	1,308519E+21
2115	3,657956E+21	6,547184E+21	8,767604E+21	8,767521E+21	6,547124E+21	3,657959E+21	1,308520E+21	1,286549E+20	0,000000E+00	0,000000E+00	1,285880E+20	1,308257E+21
2116	3,657628E+21	6,547053E+21	8,768006E+21	8,768096E+21	6,547367E+21	3,657920E+21	1,308397E+21	1,286282E+20	0,000000E+00	0,000000E+00	1,286495E+20	1,308469E+21
2117	3,657990E+21	6,547432E+21	8,768151E+21	8,767980E+21	6,547030E+21	3,657668E+21	1,308300E+21	1,285887E+20	0,000000E+00	0,000000E+00	1,286133E+20	1,308401E+21
2118	3,657812E+21	6,547041E+21	8,767661E+21	8,767859E+21	6,547395E+21	3,658055E+21	1,308538E+21	1,286630E+20	0,000000E+00	0,000000E+00	1,286080E+20	1,308299E+21
2119	3,657687E+21	6,547057E+21	8,767865E+21	8,767961E+21	6,547255E+21	3,657792E+21	1,308333E+21	1,286181E+20	0,000000E+00	0,000000E+00	1,286812E+20	1,308569E+21
2120	3,658035E+21	6,547256E+21	8,767645E+21	8,767347E+21	6,546745E+21	3,657705E+21	1,308416E+21	1,286438E+20	0,000000E+00	0,000000E+00	1,286347E+20	1,308396E+21
2121	3,657655E+21	6,546622E+21	8,767155E+21	8,767329E+21	6,546967E+21	3,657929E+21	1,308592E+21	1,287174E+20	0,000000E+00	0,000000E+00	1,286864E+20	1,308425E+21
2122	3,657709E+21	6,546787E+21	8,767249E+21	8,767174E+21	6,546558E+21	3,657527E+21	1,308387E+21	1,286832E+20	0,000000E+00	0,000000E+00	1,287437E+20	1,308621E+21
2123	3,657798E+21	6,546572E+21	8,766654E+21	8,766462E+21	6,546321E+21	3,657700E+21	1,308618E+21	1,287615E+20	0,000000E+00	0,000000E+00	1,287162E+20	1,308425E+21
2124	3,657369E+21	6,545964E+21	8,766333E+21	8,766525E+21	6,546430E+21	3,657743E+21	1,308619E+21	1,287813E+20	0,000000E+00	0,000000E+00	1,287956E+20	1,308635E+21
2125	3,657677E+21	6,546214E+21	8,766248E+21	8,766120E+21	6,545857E+21	3,657364E+21	1,308484E+21	1,287567E+20	0,000000E+00	0,000000E+00	1,288036E+20	1,308678E+21
2126	3,657603E+21	6,545868E+21	8,765627E+21	8,765667E+21	6,545974E+21	3,657704E+21	1,308750E+21	1,288305E+20	0,000000E+00	0,000000E+00	1,287766E+20	1,308498E+21
2127	3,657343E+21	6,545737E+21	8,765893E+21	8,765998E+21	6,545996E+21	3,657527E+21	1,308577E+21	1,287970E+20	0,000000E+00	0,000000E+00	1,288333E+20	1,308729E+21
2128	3,657716E+21	6,546132E+21	8,765996E+21	8,765717E+21	6,545602E+21	3,657362E+21	1,308566E+21	1,287835E+20	0,000000E+00	0,000000E+00	1,287836E+20	1,308582E+21
2129	3,657415E+21	6,545656E+21	8,765679E+21	8,765935E+21	6,546128E+21	3,657726E+21	1,308743E+21	1,288304E+20	0,000000E+00	0,000000E+00	1,287698E+20	1,308505E+21
2130	3,657449E+21	6,546011E+21	8,766222E+21	8,766285E+21	6,546125E+21	3,657479E+21	1,308485E+21	1,287572E+20	0,000000E+00	0,000000E+00	1,288085E+20	1,308719E+21
2131	3,657776E+21	6,546306E+21	8,766246E+21	8,766046E+21	6,546036E+21	3,657611E+21	1,308598E+21	1,287555E+20	0,000000E+00	0,000000E+00	1,287188E+20	1,308463E+21
2132	3,657468E+21	6,546075E+21	8,766416E+21	8,766631E+21	6,546520E+21	3,657787E+21	1,308608E+21	1,287572E+20	0,000000E+00	0,000000E+00	1,287337E+20	1,308527E+21
2133	3,657758E+21	6,546684E+21	8,766990E+21	8,766884E+21	6,546368E+21	3,657462E+21	1,308371E+21	1,286763E+20	0,000000E+00	0,000000E+00	1,287268E+20	1,308573E+21
2134	3,657777E+21	6,546639E+21	8,766848E+21	8,766774E+21	6,546609E+21	3,657806E+21	1,308587E+21	1,287200E+20	0,000000E+00	0,000000E+00	1,286580E+20	1,308343E+21
2135	3,657466E+21	6,546428E+21	8,767138E+21	8,767351E+21	6,546918E+21	3,657807E+21	1,308478E+21	1,286976E+20	0,000000E+00	0,000000E+00	1,287183E+20	1,308553E+21
2136	3,657847E+21	6,546856E+21	8,767266E+21	8,767109E+21	6,546504E+21	3,657559E+21	1,308391E+21	1,286582E+20	0,000000E+00	0,000000E+00	1,286859E+20	1,308501E+21
2137	3,657678E+21	6,546435E+21	8,766700E+21	8,766886E+21	6,546755E+21	3,657885E+21	1,308631E+21	1,287403E+20	0,000000E+00	0,000000E+00	1,286811E+20	1,308391E+21
2138	3,657573E+21	6,546523E+21	8,766956E+21	8,766983E+21	6,546637E+21	3,657649E+21	1,308432E+21	1,286984E+20	0,000000E+00	0,000000E+00	1,287575E+20	1,308644E+21
2139	3,657864E+21	6,546677E+21	8,766762E+21	8,766393E+21	6,546101E+21	3,657547E+21	1,308524E+21	1,287296E+20	0,000000E+00	0,000000E+00	1,287157E+20	1,308479E+21
2140	3,657484E+21	6,546030E+21	8,766261E+21	8,766411E+21	6,546324E+21	3,657730E+21	1,308676E+21	1,288001E+20	0,000000E+00	0,000000E+00	1,287709E+20	1,308526E+21
2141	3,657537E+21	6,546133E+21	8,766284E+21	8,766257E+21	6,545980E+21	3,657361E+21	1,308464E+21	1,287619E+20	0,000000E+00	0,000000E+00	1,288298E+20	1,308727E+21
2142	3,657623E+21	6,545881E+21	8,765616E+21	8,765460E+21	6,545696E+21	3,657553E+21	1,308715E+21	1,288405E+20	0,000000E+00	0,000000E+00	1,288046E+20	1,308554E+21
2143	3,657249E+21	6,545318E+21	8,765322E+21	8,765565E+21	6,545827E+21	3,657597E+21	1,308717E+21	1,288594E+20	0,000000E+00	0,000000E+00	1,288708E+20	1,308724E+21
2144	3,657546E+21	6,545674E+21	8,765365E+21	8,765166E+21	6,545227E+21	3,657213E+21	1,308580E+21	1,288323E+20	0,000000E+00	0,000000E+00	1,288750E+20	1,308751E+21
2145	3,657421E+21	6,545259E+21	8,764741E+21	8,764765E+21	6,545342E+21	3,657525E+21	1,308846E+21	1,289104E+20	0,000000E+00	0,000000E+00	1,288446E+20	1,308563E+21
2146	3,657168E+21	6,545152E+21	8,765027E+21	8,765154E+21	6,545472E+21	3,657403E+21	1,308672E+21	1,288761E+20	0,000000E+00	0,000000E+00	1,289053E+20	1,308797E+21
2147	3,657522E+21	6,545505E+21	8,765096E+21	8,764868E+21	6,545092E+21	3,657254E+21	1,308661E+21	1,288581E+20	0,000000E+00	0,000000E+00	1,288572E+20	1,308676E+21
2148	3,657302E+21	6,545132E+21	8,764821E+21	8,765081E+21	6,545570E+21	3,657567E+21	1,308805E+21	1,288933E+20	0,000000E+00	0,000000E+00	1,288395E+20	1,308607E+21

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°
2149	3,657374E+21	6,545561E+21	8,765443E+21	8,765478E+21	6,545595E+21	3,657322E+21	1,308535E+21	1,288121E+20	0,000000E+00	0,000000E+00	1,288716E+20	1,308794E+21
2150	3,657664E+21	6,545863E+21	8,765535E+21	8,765282E+21	6,545504E+21	3,657466E+21	1,308659E+21	1,288115E+20	0,000000E+00	0,000000E+00	1,287811E+20	1,308540E+21
2151	3,657351E+21	6,545606E+21	8,765740E+21	8,765978E+21	6,546061E+21	3,657662E+21	1,308680E+21	1,288187E+20	0,000000E+00	0,000000E+00	1,287899E+20	1,308573E+21
2152	3,657592E+21	6,546191E+21	8,766301E+21	8,766215E+21	6,545923E+21	3,657351E+21	1,308450E+21	1,287402E+20	0,000000E+00	0,000000E+00	1,287891E+20	1,308638E+21
2153	3,657589E+21	6,546019E+21	8,765975E+21	8,765981E+21	6,546105E+21	3,657678E+21	1,308675E+21	1,287931E+20	0,000000E+00	0,000000E+00	1,287272E+20	1,308433E+21
2154	3,657342E+21	6,545854E+21	8,766187E+21	8,766419E+21	6,546382E+21	3,657712E+21	1,308579E+21	1,287730E+20	0,000000E+00	0,000000E+00	1,287937E+20	1,308645E+21
2155	3,657719E+21	6,546296E+21	8,766334E+21	8,766133E+21	6,545878E+21	3,657417E+21	1,308492E+21	1,287365E+20	0,000000E+00	0,000000E+00	1,287632E+20	1,308600E+21
2156	3,657583E+21	6,545949E+21	8,765839E+21	8,765925E+21	6,546059E+21	3,657663E+21	1,308699E+21	1,288148E+20	0,000000E+00	0,000000E+00	1,287591E+20	1,308481E+21
2157	3,657435E+21	6,545988E+21	8,766128E+21	8,766109E+21	6,546007E+21	3,657447E+21	1,308502E+21	1,287734E+20	0,000000E+00	0,000000E+00	1,288361E+20	1,308720E+21
2158	3,657660E+21	6,546031E+21	8,765859E+21	8,765529E+21	6,545508E+21	3,657379E+21	1,308610E+21	1,288099E+20	0,000000E+00	0,000000E+00	1,288031E+20	1,308588E+21
2159	3,657298E+21	6,545319E+21	8,765256E+21	8,765524E+21	6,545788E+21	3,657611E+21	1,308778E+21	1,288819E+20	0,000000E+00	0,000000E+00	1,288523E+20	1,308621E+21
2160	3,657365E+21	6,545473E+21	8,765277E+21	8,765283E+21	6,545392E+21	3,657249E+21	1,308574E+21	1,288423E+20	0,000000E+00	0,000000E+00	1,289104E+20	1,308826E+21
2161	3,657453E+21	6,545198E+21	8,764547E+21	8,764418E+21	6,545020E+21	3,657387E+21	1,308824E+21	1,289251E+20	0,000000E+00	0,000000E+00	1,288821E+20	1,308646E+21
2162	3,657110E+21	6,544721E+21	8,764308E+21	8,764516E+21	6,545186E+21	3,657463E+21	1,308828E+21	1,289436E+20	0,000000E+00	0,000000E+00	1,289466E+20	1,308796E+21
2163	3,657356E+21	6,545062E+21	8,764448E+21	8,764217E+21	6,544587E+21	3,657054E+21	1,308686E+21	1,289154E+20	0,000000E+00	0,000000E+00	1,289521E+20	1,308838E+21
2164	3,657272E+21	6,544696E+21	8,763862E+21	8,763875E+21	6,544708E+21	3,657310E+21	1,308906E+21	1,289830E+20	0,000000E+00	0,000000E+00	1,289219E+20	1,308666E+21
2165	3,657042E+21	6,544606E+21	8,764173E+21	8,764318E+21	6,544928E+21	3,657239E+21	1,308729E+21	1,289408E+20	0,000000E+00	0,000000E+00	1,289805E+20	1,308899E+21
2166	3,657408E+21	6,544981E+21	8,764257E+21	8,764037E+21	6,544552E+21	3,657113E+21	1,308727E+21	1,289189E+20	0,000000E+00	0,000000E+00	1,289305E+20	1,308786E+21
2167	3,657227E+21	6,544674E+21	8,764073E+21	8,764340E+21	6,545075E+21	3,657437E+21	1,308872E+21	1,289524E+20	0,000000E+00	0,000000E+00	1,288977E+20	1,308669E+21
2168	3,657264E+21	6,545162E+21	8,764799E+21	8,764778E+21	6,545117E+21	3,657207E+21	1,308611E+21	1,288714E+20	0,000000E+00	0,000000E+00	1,289263E+20	1,308832E+21
2169	3,657474E+21	6,545327E+21	8,764804E+21	8,764591E+21	6,545014E+21	3,657331E+21	1,308744E+21	1,288794E+20	0,000000E+00	0,000000E+00	1,288381E+20	1,308587E+21
2170	3,657171E+21	6,545048E+21	8,764912E+21	8,765219E+21	6,545629E+21	3,657584E+21	1,308778E+21	1,288913E+20	0,000000E+00	0,000000E+00	1,288556E+20	1,308631E+21
2171	3,657386E+21	6,545559E+21	8,765397E+21	8,765382E+21	6,545429E+21	3,657261E+21	1,308553E+21	1,288137E+20	0,000000E+00	0,000000E+00	1,288611E+20	1,308733E+21
2172	3,657479E+21	6,545478E+21	8,765059E+21	8,765058E+21	6,545489E+21	3,657496E+21	1,308740E+21	1,288600E+20	0,000000E+00	0,000000E+00	1,288017E+20	1,308542E+21
2173	3,657264E+21	6,545380E+21	8,765338E+21	8,765507E+21	6,545761E+21	3,657523E+21	1,308640E+21	1,288376E+20	0,000000E+00	0,000000E+00	1,288667E+20	1,308735E+21
2174	3,657600E+21	6,545799E+21	8,765510E+21	8,765252E+21	6,545259E+21	3,657239E+21	1,308565E+21	1,288064E+20	0,000000E+00	0,000000E+00	1,288400E+20	1,308698E+21
2175	3,657446E+21	6,545413E+21	8,765054E+21	8,765154E+21	6,545504E+21	3,657501E+21	1,308782E+21	1,288894E+20	0,000000E+00	0,000000E+00	1,288321E+20	1,308555E+21
2176	3,657254E+21	6,545401E+21	8,765290E+21	8,765307E+21	6,545477E+21	3,657318E+21	1,308600E+21	1,288531E+20	0,000000E+00	0,000000E+00	1,289142E+20	1,308803E+21
2177	3,657443E+21	6,545298E+21	8,764814E+21	8,764597E+21	6,544932E+21	3,657251E+21	1,308724E+21	1,288975E+20	0,000000E+00	0,000000E+00	1,288880E+20	1,308697E+21
2178	3,657151E+21	6,544657E+21	8,764143E+21	8,764438E+21	6,545176E+21	3,657510E+21	1,308901E+21	1,289696E+20	0,000000E+00	0,000000E+00	1,289379E+20	1,308718E+21
2179	3,657191E+21	6,544811E+21	8,764209E+21	8,764186E+21	6,544694E+21	3,657096E+21	1,308694E+21	1,289304E+20	0,000000E+00	0,000000E+00	1,289934E+20	1,308925E+21
2180	3,657325E+21	6,544624E+21	8,763568E+21	8,763364E+21	6,544272E+21	3,657150E+21	1,308897E+21	1,290038E+20	0,000000E+00	0,000000E+00	1,289626E+20	1,308740E+21
2181	3,656961E+21	6,544156E+21	8,763418E+21	8,763583E+21	6,544516E+21	3,657241E+21	1,308896E+21	1,290181E+20	0,000000E+00	0,000000E+00	1,290245E+20	1,308880E+21
2182	3,657170E+21	6,544440E+21	8,763544E+21	8,763349E+21	6,544007E+21	3,656881E+21	1,308759E+21	1,289883E+20	0,000000E+00	0,000000E+00	1,290334E+20	1,308949E+21
2183	3,657129E+21	6,544105E+21	8,763008E+21	8,763088E+21	6,544206E+21	3,657178E+21	1,308978E+21	1,290496E+20	0,000000E+00	0,000000E+00	1,289916E+20	1,308756E+21
2184	3,656925E+21	6,544108E+21	8,763384E+21	8,763529E+21	6,544427E+21	3,657129E+21	1,308813E+21	1,290049E+20	0,000000E+00	0,000000E+00	1,290440E+20	1,308970E+21

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	3,657265E+21	6,544451E+21	8,763440E+21	8,763254E+21	6,544047E+21	3,656990E+21	1,308815E+21	1,289855E+20	0,000000E+00	0,000000E+00	1,289892E+20	1,308845E+21
2186	3,657100E+21	6,544215E+21	8,763297E+21	8,763541E+21	6,544608E+21	3,657356E+21	1,308972E+21	1,290216E+20	0,000000E+00	0,000000E+00	1,289555E+20	1,308705E+21
2187	3,657058E+21	6,544615E+21	8,764045E+21	8,764047E+21	6,544639E+21	3,657104E+21	1,308714E+21	1,289435E+20	0,000000E+00	0,000000E+00	1,289881E+20	1,308891E+21
2188	3,657313E+21	6,544779E+21	8,763986E+21	8,763818E+21	6,544492E+21	3,657156E+21	1,308804E+21	1,289451E+20	0,000000E+00	0,000000E+00	1,289082E+20	1,308683E+21
2189	3,657049E+21	6,544512E+21	8,764051E+21	8,764377E+21	6,545098E+21	3,657430E+21	1,308840E+21	1,289536E+20	0,000000E+00	0,000000E+00	1,289306E+20	1,308740E+21
2190	3,657284E+21	6,545036E+21	8,764519E+21	8,764486E+21	6,544846E+21	3,657105E+21	1,308621E+21	1,288765E+20	0,000000E+00	0,000000E+00	1,289390E+20	1,308858E+21
2191	3,657413E+21	6,545031E+21	8,764289E+21	8,764228E+21	6,544906E+21	3,657321E+21	1,308801E+21	1,289230E+20	0,000000E+00	0,000000E+00	1,288695E+20	1,308624E+21
2192	3,657158E+21	6,544956E+21	8,764639E+21	8,764725E+21	6,545199E+21	3,657363E+21	1,308719E+21	1,289060E+20	0,000000E+00	0,000000E+00	1,289332E+20	1,308791E+21
2193	3,657402E+21	6,545202E+21	8,764676E+21	8,764466E+21	6,544715E+21	3,657081E+21	1,308659E+21	1,288870E+20	0,000000E+00	0,000000E+00	1,289126E+20	1,308768E+21
2194	3,657250E+21	6,544768E+21	8,764075E+21	8,764249E+21	6,545001E+21	3,657413E+21	1,308900E+21	1,289760E+20	0,000000E+00	0,000000E+00	1,289126E+20	1,308632E+21
2195	3,657022E+21	6,544663E+21	8,764231E+21	8,764329E+21	6,544904E+21	3,657220E+21	1,308731E+21	1,289415E+20	0,000000E+00	0,000000E+00	1,289980E+20	1,308909E+21
2196	3,657298E+21	6,544636E+21	8,763718E+21	8,763504E+21	6,544224E+21	3,657051E+21	1,308813E+21	1,289789E+20	0,000000E+00	0,000000E+00	1,289751E+20	1,308815E+21
2197	3,657032E+21	6,544076E+21	8,763125E+21	8,763350E+21	6,544455E+21	3,657304E+21	1,308984E+21	1,290459E+20	0,000000E+00	0,000000E+00	1,290208E+20	1,308818E+21
2198	3,657035E+21	6,544216E+21	8,763255E+21	8,763169E+21	6,543992E+21	3,656894E+21	1,308778E+21	1,290085E+20	0,000000E+00	0,000000E+00	1,290768E+20	1,309029E+21
2199	3,657165E+21	6,544041E+21	8,762723E+21	8,762507E+21	6,543655E+21	3,656951E+21	1,308970E+21	1,290787E+20	0,000000E+00	0,000000E+00	1,290376E+20	1,308823E+21
2200	3,656796E+21	6,543584E+21	8,762590E+21	8,762779E+21	6,543978E+21	3,657087E+21	1,308978E+21	1,290930E+20	0,000000E+00	0,000000E+00	1,290979E+20	1,308962E+21
2201	3,656986E+21	6,543785E+21	8,762592E+21	8,762494E+21	6,543493E+21	3,656762E+21	1,308857E+21	1,290659E+20	0,000000E+00	0,000000E+00	1,291075E+20	1,309047E+21
2202	3,657016E+21	6,543568E+21	8,762085E+21	8,762174E+21	6,543703E+21	3,657098E+21	1,309086E+21	1,291245E+20	0,000000E+00	0,000000E+00	1,290611E+20	1,308830E+21
2203	3,656774E+21	6,543579E+21	8,762561E+21	8,762679E+21	6,543886E+21	3,657021E+21	1,308923E+21	1,290792E+20	0,000000E+00	0,000000E+00	1,291080E+20	1,309035E+21
2204	3,657136E+21	6,543962E+21	8,762658E+21	8,762437E+21	6,543476E+21	3,656805E+21	1,308880E+21	1,290507E+20	0,000000E+00	0,000000E+00	1,290540E+20	1,308911E+21
2205	3,656946E+21	6,543717E+21	8,762544E+21	8,762772E+21	6,544085E+21	3,657186E+21	1,309033E+21	1,290835E+20	0,000000E+00	0,000000E+00	1,290227E+20	1,308778E+21
2206	3,656878E+21	6,544025E+21	8,763202E+21	8,763261E+21	6,544152E+21	3,656967E+21	1,308779E+21	1,290055E+20	0,000000E+00	0,000000E+00	1,290608E+20	1,308996E+21
2207	3,657186E+21	6,544243E+21	8,763192E+21	8,763054E+21	6,544005E+21	3,657018E+21	1,308862E+21	1,290026E+20	0,000000E+00	0,000000E+00	1,289739E+20	1,308782E+21
2208	3,656974E+21	6,544078E+21	8,763308E+21	8,763581E+21	6,544564E+21	3,657281E+21	1,308909E+21	1,290135E+20	0,000000E+00	0,000000E+00	1,289932E+20	1,308818E+21
2209	3,657165E+21	6,544543E+21	8,763722E+21	8,763669E+21	6,544313E+21	3,656964E+21	1,308706E+21	1,289449E+20	0,000000E+00	0,000000E+00	1,290015E+20	1,308931E+21
2210	3,657300E+21	6,544582E+21	8,763520E+21	8,763401E+21	6,544399E+21	3,657212E+21	1,308899E+21	1,289975E+20	0,000000E+00	0,000000E+00	1,289356E+20	1,308675E+21
2211	3,656950E+21	6,544372E+21	8,763831E+21	8,763932E+21	6,544675E+21	3,657239E+21	1,308833E+21	1,289882E+20	0,000000E+00	0,000000E+00	1,290049E+20	1,308863E+21
2212	3,657220E+21	6,544561E+21	8,763724E+21	8,763576E+21	6,544149E+21	3,656907E+21	1,308741E+21	1,289665E+20	0,000000E+00	0,000000E+00	1,289960E+20	1,308874E+21
2213	3,657095E+21	6,544131E+21	8,763062E+21	8,763240E+21	6,544377E+21	3,657252E+21	1,308991E+21	1,290537E+20	0,000000E+00	0,000000E+00	1,290017E+20	1,308753E+21
2214	3,656872E+21	6,544002E+21	8,763166E+21	8,763254E+21	6,544222E+21	3,657046E+21	1,308826E+21	1,290212E+20	0,000000E+00	0,000000E+00	1,290870E+20	1,309034E+21
2215	3,657169E+21	6,544059E+21	8,762792E+21	8,762506E+21	6,543537E+21	3,656845E+21	1,308893E+21	1,290560E+20	0,000000E+00	0,000000E+00	1,290547E+20	1,308908E+21
2216	3,656887E+21	6,543530E+21	8,762272E+21	8,762410E+21	6,543785E+21	3,657102E+21	1,309070E+21	1,291246E+20	0,000000E+00	0,000000E+00	1,290957E+20	1,308887E+21
2217	3,656814E+21	6,543532E+21	8,762298E+21	8,762264E+21	6,543395E+21	3,656725E+21	1,308879E+21	1,290945E+20	0,000000E+00	0,000000E+00	1,291546E+20	1,309114E+21
2218	3,656980E+21	6,543386E+21	8,761722E+21	8,761566E+21	6,543136E+21	3,656850E+21	1,309079E+21	1,291631E+20	0,000000E+00	0,000000E+00	1,291169E+20	1,308908E+21
2219	3,656599E+21	6,542909E+21	8,761612E+21	8,761857E+21	6,543430E+21	3,656983E+21	1,309098E+21	1,291761E+20	0,000000E+00	0,000000E+00	1,291739E+20	1,309063E+21
2220	3,656875E+21	6,543208E+21	8,761628E+21	8,761540E+21	6,542890E+21	3,656589E+21	1,308936E+21	1,291385E+20	0,000000E+00	0,000000E+00	1,291830E+20	1,309144E+21

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°
2221	3,656913E+21	6,543082E+21	8,761254E+21	8,761271E+21	6,543112E+21	3,656931E+21	1,309159E+21	1,291892E+20	0,000000E+00	0,000000E+00	1,291317E+20	1,308912E+21
2222	3,656627E+21	6,543057E+21	8,761779E+21	8,761857E+21	6,543325E+21	3,656864E+21	1,308997E+21	1,291440E+20	0,000000E+00	0,000000E+00	1,291769E+20	1,309115E+21
2223	3,656979E+21	6,543454E+21	8,761964E+21	8,761733E+21	6,542977E+21	3,656641E+21	1,308937E+21	1,291105E+20	0,000000E+00	0,000000E+00	1,291172E+20	1,308986E+21
2224	3,656810E+21	6,543224E+21	8,761824E+21	8,762052E+21	6,543620E+21	3,657053E+21	1,309094E+21	1,291432E+20	0,000000E+00	0,000000E+00	1,290854E+20	1,308857E+21
2225	3,656737E+21	6,543461E+21	8,762347E+21	8,762456E+21	6,543679E+21	3,656855E+21	1,308860E+21	1,290704E+20	0,000000E+00	0,000000E+00	1,291258E+20	1,309091E+21
2226	3,657113E+21	6,543789E+21	8,762363E+21	8,762191E+21	6,543514E+21	3,656921E+21	1,308951E+21	1,290699E+20	0,000000E+00	0,000000E+00	1,290367E+20	1,308851E+21
2227	3,656847E+21	6,543615E+21	8,762580E+21	8,762794E+21	6,544034E+21	3,657151E+21	1,309007E+21	1,290857E+20	0,000000E+00	0,000000E+00	1,290548E+20	1,308881E+21
2228	3,657037E+21	6,544051E+21	8,762958E+21	8,762866E+21	6,543748E+21	3,656776E+21	1,308777E+21	1,290162E+20	0,000000E+00	0,000000E+00	1,290696E+20	1,308996E+21
2229	3,657126E+21	6,544032E+21	8,762728E+21	8,762594E+21	6,543856E+21	3,657048E+21	1,308977E+21	1,290698E+20	0,000000E+00	0,000000E+00	1,290133E+20	1,308759E+21
2230	3,656745E+21	6,543695E+21	8,762878E+21	8,763042E+21	6,544133E+21	3,657107E+21	1,308923E+21	1,290641E+20	0,000000E+00	0,000000E+00	1,290884E+20	1,308971E+21
2231	3,657047E+21	6,543916E+21	8,762781E+21	8,762644E+21	6,543566E+21	3,656756E+21	1,308824E+21	1,290398E+20	0,000000E+00	0,000000E+00	1,290766E+20	1,308983E+21
2232	3,656973E+21	6,543561E+21	8,762133E+21	8,762252E+21	6,543737E+21	3,657084E+21	1,309080E+21	1,291286E+20	0,000000E+00	0,000000E+00	1,290781E+20	1,308842E+21
2233	3,656709E+21	6,543361E+21	8,762161E+21	8,762241E+21	6,543582E+21	3,656885E+21	1,308930E+21	1,291041E+20	0,000000E+00	0,000000E+00	1,291627E+20	1,309120E+21
2234	3,657016E+21	6,543468E+21	8,761831E+21	8,761516E+21	6,542928E+21	3,656704E+21	1,309005E+21	1,291436E+20	0,000000E+00	0,000000E+00	1,291324E+20	1,308981E+21
2235	3,656672E+21	6,542864E+21	8,761346E+21	8,761506E+21	6,543181E+21	3,656941E+21	1,309184E+21	1,292146E+20	0,000000E+00	0,000000E+00	1,291755E+20	1,308983E+21
2236	3,656650E+21	6,542854E+21	8,761274E+21	8,761287E+21	6,542781E+21	3,656546E+21	1,308965E+21	1,291782E+20	0,000000E+00	0,000000E+00	1,292418E+20	1,309233E+21
2237	3,656856E+21	6,542789E+21	8,760752E+21	8,760566E+21	6,542504E+21	3,656688E+21	1,309165E+21	1,292374E+20	0,000000E+00	0,000000E+00	1,292046E+20	1,309032E+21
2238	3,656486E+21	6,542338E+21	8,760666E+21	8,760874E+21	6,542799E+21	3,656821E+21	1,309183E+21	1,292486E+20	0,000000E+00	0,000000E+00	1,292533E+20	1,309167E+21
2239	3,656758E+21	6,542731E+21	8,760874E+21	8,760701E+21	6,542314E+21	3,656416E+21	1,309001E+21	1,292034E+20	0,000000E+00	0,000000E+00	1,292502E+20	1,309215E+21
2240	3,656776E+21	6,542618E+21	8,760572E+21	8,760523E+21	6,542572E+21	3,656766E+21	1,309225E+21	1,292527E+20	0,000000E+00	0,000000E+00	1,291915E+20	1,308959E+21
2241	3,656418E+21	6,542434E+21	8,760943E+21	8,761111E+21	6,542865E+21	3,656745E+21	1,309082E+21	1,292135E+20	0,000000E+00	0,000000E+00	1,292382E+20	1,309180E+21
2242	3,656813E+21	6,542874E+21	8,761095E+21	8,760941E+21	6,542561E+21	3,656571E+21	1,309028E+21	1,291788E+20	0,000000E+00	0,000000E+00	1,291803E+20	1,309055E+21
2243	3,656652E+21	6,542661E+21	8,760998E+21	8,761249E+21	6,543119E+21	3,656947E+21	1,309191E+21	1,292124E+20	0,000000E+00	0,000000E+00	1,291475E+20	1,308943E+21
2244	3,656658E+21	6,542978E+21	8,761512E+21	8,761590E+21	6,543120E+21	3,656694E+21	1,308929E+21	1,291350E+20	0,000000E+00	0,000000E+00	1,291905E+20	1,309172E+21
2245	3,657027E+21	6,543378E+21	8,761654E+21	8,761377E+21	6,542950E+21	3,656757E+21	1,309016E+21	1,291318E+20	0,000000E+00	0,000000E+00	1,291041E+20	1,308926E+21
2246	3,656705E+21	6,543115E+21	8,761843E+21	8,762023E+21	6,543493E+21	3,656992E+21	1,309080E+21	1,291533E+20	0,000000E+00	0,000000E+00	1,291247E+20	1,308954E+21
2247	3,656862E+21	6,543515E+21	8,762238E+21	8,762153E+21	6,543262E+21	3,656619E+21	1,308840E+21	1,290835E+20	0,000000E+00	0,000000E+00	1,291407E+20	1,309078E+21
2248	3,656967E+21	6,543454E+21	8,761898E+21	8,761785E+21	6,543343E+21	3,656912E+21	1,309054E+21	1,291403E+20	0,000000E+00	0,000000E+00	1,290890E+20	1,308854E+21
2249	3,656578E+21	6,543013E+21	8,761849E+21	8,762079E+21	6,543573E+21	3,656992E+21	1,309029E+21	1,291424E+20	0,000000E+00	0,000000E+00	1,291668E+20	1,309077E+21
2250	3,656929E+21	6,543330E+21	8,761769E+21	8,761610E+21	6,542962E+21	3,656636E+21	1,308935E+21	1,291229E+20	0,000000E+00	0,000000E+00	1,291550E+20	1,309069E+21
2251	3,656810E+21	6,542966E+21	8,761214E+21	8,761266E+21	6,543065E+21	3,656913E+21	1,309192E+21	1,292152E+20	0,000000E+00	0,000000E+00	1,291555E+20	1,308929E+21
2252	3,656557E+21	6,542735E+21	8,761180E+21	8,761226E+21	6,542887E+21	3,656667E+21	1,309016E+21	1,291899E+20	0,000000E+00	0,000000E+00	1,292459E+20	1,309212E+21
2253	3,656840E+21	6,542824E+21	8,760864E+21	8,760541E+21	6,542274E+21	3,656510E+21	1,309090E+21	1,292256E+20	0,000000E+00	0,000000E+00	1,292228E+20	1,309093E+21
2254	3,656492E+21	6,542166E+21	8,760314E+21	8,760519E+21	6,542560E+21	3,656776E+21	1,309272E+21	1,292949E+20	0,000000E+00	0,000000E+00	1,292644E+20	1,309105E+21
2255	3,656509E+21	6,542255E+21	8,760355E+21	8,760336E+21	6,542167E+21	3,656381E+21	1,309045E+21	1,292526E+20	0,000000E+00	0,000000E+00	1,293224E+20	1,309341E+21
2256	3,656749E+21	6,542273E+21	8,759914E+21	8,759670E+21	6,541905E+21	3,656533E+21	1,309245E+21	1,293071E+20	0,000000E+00	0,000000E+00	1,292748E+20	1,309107E+21

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°
2257	3,656329E+21	6,541765E+21	8,759796E+21	8,760009E+21	6,542251E+21	3,656694E+21	1,309279E+21	1,293221E+20	0,000000E+00	0,000000E+00	1,293169E+20	1,309224E+21
2258	3,656590E+21	6,542184E+21	8,760042E+21	8,759887E+21	6,541826E+21	3,656317E+21	1,309104E+21	1,292786E+20	0,000000E+00	0,000000E+00	1,293126E+20	1,309259E+21
2259	3,656559E+21	6,542007E+21	8,759769E+21	8,759784E+21	6,542091E+21	3,656650E+21	1,309323E+21	1,293270E+20	0,000000E+00	0,000000E+00	1,292546E+20	1,309035E+21
2260	3,656274E+21	6,541824E+21	8,760010E+21	8,760247E+21	6,542344E+21	3,656606E+21	1,309157E+21	1,292828E+20	0,000000E+00	0,000000E+00	1,293082E+20	1,309276E+21
2261	3,656716E+21	6,542367E+21	8,760246E+21	8,760065E+21	6,541996E+21	3,656428E+21	1,309100E+21	1,292409E+20	0,000000E+00	0,000000E+00	1,292532E+20	1,309163E+21
2262	3,656574E+21	6,542202E+21	8,760214E+21	8,760408E+21	6,542544E+21	3,656780E+21	1,309254E+21	1,292745E+20	0,000000E+00	0,000000E+00	1,292159E+20	1,309031E+21
2263	3,656563E+21	6,542592E+21	8,760892E+21	8,760860E+21	6,542581E+21	3,656522E+21	1,308982E+21	1,291943E+20	0,000000E+00	0,000000E+00	1,292529E+20	1,309236E+21
2264	3,656898E+21	6,542949E+21	8,761041E+21	8,760720E+21	6,542457E+21	3,656600E+21	1,309074E+21	1,291929E+20	0,000000E+00	0,000000E+00	1,291655E+20	1,308978E+21
2265	3,656507E+21	6,542503E+21	8,761009E+21	8,761286E+21	6,543055E+21	3,656890E+21	1,309166E+21	1,292233E+20	0,000000E+00	0,000000E+00	1,291912E+20	1,309024E+21
2266	3,656687E+21	6,542891E+21	8,761297E+21	8,761311E+21	6,542819E+21	3,656558E+21	1,308946E+21	1,291589E+20	0,000000E+00	0,000000E+00	1,292117E+20	1,309155E+21
2267	3,656794E+21	6,542820E+21	8,760957E+21	8,760884E+21	6,542773E+21	3,656797E+21	1,309168E+21	1,292201E+20	0,000000E+00	0,000000E+00	1,291635E+20	1,308957E+21
2268	3,656471E+21	6,542411E+21	8,760820E+21	8,761034E+21	6,542908E+21	3,656818E+21	1,309122E+21	1,292217E+20	0,000000E+00	0,000000E+00	1,292452E+20	1,309173E+21
2269	3,656806E+21	6,542786E+21	8,760859E+21	8,760598E+21	6,542258E+21	3,656445E+21	1,309026E+21	1,292018E+20	0,000000E+00	0,000000E+00	1,292396E+20	1,309170E+21
2270	3,656649E+21	6,542358E+21	8,760288E+21	8,760299E+21	6,542375E+21	3,656701E+21	1,309275E+21	1,292973E+20	0,000000E+00	0,000000E+00	1,292409E+20	1,309028E+21
2271	3,656381E+21	6,542133E+21	8,760306E+21	8,760332E+21	6,542269E+21	3,656473E+21	1,309089E+21	1,292692E+20	0,000000E+00	0,000000E+00	1,293304E+20	1,309319E+21
2272	3,656694E+21	6,542216E+21	8,759948E+21	8,759636E+21	6,541678E+21	3,656345E+21	1,309167E+21	1,293027E+20	0,000000E+00	0,000000E+00	1,293063E+20	1,309197E+21
2273	3,656337E+21	6,541503E+21	8,759278E+21	8,759532E+21	6,541970E+21	3,656652E+21	1,309377E+21	1,293752E+20	0,000000E+00	0,000000E+00	1,293427E+20	1,309202E+21
2274	3,656380E+21	6,541683E+21	8,759398E+21	8,759386E+21	6,541611E+21	3,656280E+21	1,309161E+21	1,293352E+20	0,000000E+00	0,000000E+00	1,293944E+20	1,309402E+21
2275	3,656559E+21	6,541682E+21	8,759071E+21	8,758819E+21	6,541320E+21	3,656395E+21	1,309357E+21	1,293886E+20	0,000000E+00	0,000000E+00	1,293432E+20	1,309173E+21
2276	3,656148E+21	6,541126E+21	8,758850E+21	8,759111E+21	6,541663E+21	3,656529E+21	1,309369E+21	1,294005E+20	0,000000E+00	0,000000E+00	1,293876E+20	1,309291E+21
2277	3,656396E+21	6,541559E+21	8,759134E+21	8,759014E+21	6,541263E+21	3,656171E+21	1,309185E+21	1,293494E+20	0,000000E+00	0,000000E+00	1,293902E+20	1,309355E+21
2278	3,656397E+21	6,541380E+21	8,758829E+21	8,758891E+21	6,541524E+21	3,656498E+21	1,309391E+21	1,293927E+20	0,000000E+00	0,000000E+00	1,293289E+20	1,309141E+21
2279	3,656178E+21	6,541359E+21	8,759229E+21	8,759408E+21	6,541779E+21	3,656442E+21	1,309211E+21	1,293413E+20	0,000000E+00	0,000000E+00	1,293754E+20	1,309373E+21
2280	3,656658E+21	6,541988E+21	8,759569E+21	8,759318E+21	6,541468E+21	3,656268E+21	1,309150E+21	1,292955E+20	0,000000E+00	0,000000E+00	1,293124E+20	1,309231E+21
2281	3,656462E+21	6,541762E+21	8,759517E+21	8,759694E+21	6,542067E+21	3,656656E+21	1,309326E+21	1,293353E+20	0,000000E+00	0,000000E+00	1,292727E+20	1,309087E+21
2282	3,656426E+21	6,542130E+21	8,760194E+21	8,760198E+21	6,542170E+21	3,656436E+21	1,309074E+21	1,292629E+20	0,000000E+00	0,000000E+00	1,293115E+20	1,309278E+21
2283	3,656696E+21	6,542380E+21	8,760294E+21	8,760060E+21	6,542022E+21	3,656502E+21	1,309169E+21	1,292651E+20	0,000000E+00	0,000000E+00	1,292321E+20	1,309062E+21
2284	3,656364E+21	6,541882E+21	8,760028E+21	8,760381E+21	6,542522E+21	3,656770E+21	1,309255E+21	1,292966E+20	0,000000E+00	0,000000E+00	1,292673E+20	1,309122E+21
2285	3,656565E+21	6,542325E+21	8,760346E+21	8,760328E+21	6,542186E+21	3,656415E+21	1,309040E+21	1,292317E+20	0,000000E+00	0,000000E+00	1,292940E+20	1,309267E+21
2286	3,656678E+21	6,542265E+21	8,760024E+21	8,759901E+21	6,542092E+21	3,656603E+21	1,309249E+21	1,292959E+20	0,000000E+00	0,000000E+00	1,292442E+20	1,309054E+21
2287	3,656342E+21	6,541922E+21	8,760012E+21	8,760108E+21	6,542222E+21	3,656601E+21	1,309193E+21	1,292970E+20	0,000000E+00	0,000000E+00	1,293229E+20	1,309257E+21
2288	3,656644E+21	6,542224E+21	8,760025E+21	8,759743E+21	6,541639E+21	3,656248E+21	1,309098E+21	1,292794E+20	0,000000E+00	0,000000E+00	1,293177E+20	1,309250E+21
2289	3,656441E+21	6,541663E+21	8,759294E+21	8,759395E+21	6,541817E+21	3,656559E+21	1,309366E+21	1,293781E+20	0,000000E+00	0,000000E+00	1,293216E+20	1,309124E+21
2290	3,656206E+21	6,541454E+21	8,759260E+21	8,759378E+21	6,541727E+21	3,656378E+21	1,309208E+21	1,293556E+20	0,000000E+00	0,000000E+00	1,294101E+20	1,309405E+21
2291	3,656511E+21	6,541555E+21	8,758962E+21	8,758705E+21	6,541087E+21	3,656224E+21	1,309288E+21	1,293884E+20	0,000000E+00	0,000000E+00	1,293855E+20	1,309297E+21
2292	3,656202E+21	6,540874E+21	8,758230E+21	8,758494E+21	6,541326E+21	3,656498E+21	1,309481E+21	1,294582E+20	0,000000E+00	0,000000E+00	1,294197E+20	1,309281E+21

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°
2293	3,656212E+21	6,541099E+21	8,758484E+21	8,758418E+21	6,540953E+21	3,656123E+21	1,309264E+21	1,294149E+20	0,000000E+00	0,000000E+00	1,294741E+20	1,309486E+21
2294	3,656366E+21	6,541044E+21	8,758150E+21	8,757929E+21	6,540701E+21	3,656210E+21	1,309440E+21	1,294647E+20	0,000000E+00	0,000000E+00	1,294209E+20	1,309262E+21
2295	3,655981E+21	6,540557E+21	8,757989E+21	8,758247E+21	6,541086E+21	3,656351E+21	1,309429E+21	1,294682E+20	0,000000E+00	0,000000E+00	1,294629E+20	1,309396E+21
2296	3,656283E+21	6,541032E+21	8,758287E+21	8,758174E+21	6,540719E+21	3,656017E+21	1,309242E+21	1,294101E+20	0,000000E+00	0,000000E+00	1,294611E+20	1,309458E+21
2297	3,656306E+21	6,540888E+21	8,757985E+21	8,758042E+21	6,540992E+21	3,656361E+21	1,309458E+21	1,294524E+20	0,000000E+00	0,000000E+00	1,293926E+20	1,309232E+21
2298	3,656112E+21	6,540969E+21	8,758516E+21	8,758660E+21	6,541304E+21	3,656333E+21	1,309297E+21	1,294065E+20	0,000000E+00	0,000000E+00	1,294321E+20	1,309420E+21
2299	3,656513E+21	6,541556E+21	8,758956E+21	8,758703E+21	6,541015E+21	3,656146E+21	1,309235E+21	1,293620E+20	0,000000E+00	0,000000E+00	1,293684E+20	1,309283E+21
2300	3,656301E+21	6,541228E+21	8,758730E+21	8,758971E+21	6,541600E+21	3,656528E+21	1,309407E+21	1,294043E+20	0,000000E+00	0,000000E+00	1,293352E+20	1,309142E+21
2301	3,656235E+21	6,541553E+21	8,759373E+21	8,759422E+21	6,541684E+21	3,656335E+21	1,309166E+21	1,293314E+20	0,000000E+00	0,000000E+00	1,293843E+20	1,309362E+21
2302	3,656522E+21	6,541755E+21	8,759361E+21	8,759185E+21	6,541471E+21	3,656368E+21	1,309254E+21	1,293350E+20	0,000000E+00	0,000000E+00	1,293078E+20	1,309162E+21
2303	3,656248E+21	6,541382E+21	8,759157E+21	8,759454E+21	6,541911E+21	3,656603E+21	1,309328E+21	1,293638E+20	0,000000E+00	0,000000E+00	1,293417E+20	1,309222E+21
2304	3,656464E+21	6,541847E+21	8,759527E+21	8,759445E+21	6,541574E+21	3,656233E+21	1,309107E+21	1,292994E+20	0,000000E+00	0,000000E+00	1,293656E+20	1,309347E+21
2305	3,656527E+21	6,541710E+21	8,759148E+21	8,759004E+21	6,541486E+21	3,656430E+21	1,309331E+21	1,293705E+20	0,000000E+00	0,000000E+00	1,293169E+20	1,309133E+21
2306	3,656176E+21	6,541337E+21	8,759131E+21	8,759274E+21	6,541681E+21	3,656461E+21	1,309297E+21	1,293807E+20	0,000000E+00	0,000000E+00	1,293972E+20	1,309325E+21
2307	3,656429E+21	6,541551E+21	8,759094E+21	8,758907E+21	6,541103E+21	3,656115E+21	1,309204E+21	1,293660E+20	0,000000E+00	0,000000E+00	1,294002E+20	1,309358E+21
2308	3,656281E+21	6,540960E+21	8,758174E+21	8,758338E+21	6,541188E+21	3,656419E+21	1,309473E+21	1,294639E+20	0,000000E+00	0,000000E+00	1,294096E+20	1,309237E+21
2309	3,656067E+21	6,540833E+21	8,758228E+21	8,758303E+21	6,541031E+21	3,656231E+21	1,309324E+21	1,294404E+20	0,000000E+00	0,000000E+00	1,295000E+20	1,309517E+21
2310	3,656360E+21	6,540937E+21	8,757963E+21	8,757677E+21	6,540392E+21	3,656033E+21	1,309385E+21	1,294712E+20	0,000000E+00	0,000000E+00	1,294710E+20	1,309390E+21
2311	3,656046E+21	6,540338E+21	8,757355E+21	8,757534E+21	6,540654E+21	3,656291E+21	1,309556E+21	1,295338E+20	0,000000E+00	0,000000E+00	1,294988E+20	1,309367E+21
2312	3,656033E+21	6,540498E+21	8,757607E+21	8,757560E+21	6,540362E+21	3,655935E+21	1,309330E+21	1,294866E+20	0,000000E+00	0,000000E+00	1,295488E+20	1,309568E+21
2313	3,656175E+21	6,540384E+21	8,757181E+21	8,757044E+21	6,540166E+21	3,656067E+21	1,309514E+21	1,295330E+20	0,000000E+00	0,000000E+00	1,294930E+20	1,309361E+21
2314	3,655856E+21	6,539991E+21	8,757084E+21	8,757392E+21	6,540577E+21	3,656240E+21	1,309524E+21	1,295389E+20	0,000000E+00	0,000000E+00	1,295280E+20	1,309475E+21
2315	3,656160E+21	6,540536E+21	8,757509E+21	8,757407E+21	6,540223E+21	3,655901E+21	1,309333E+21	1,294778E+20	0,000000E+00	0,000000E+00	1,295229E+20	1,309541E+21
2316	3,656213E+21	6,540434E+21	8,757197E+21	8,757220E+21	6,540467E+21	3,656227E+21	1,309537E+21	1,295181E+20	0,000000E+00	0,000000E+00	1,294526E+20	1,309291E+21
2317	3,655981E+21	6,540538E+21	8,757845E+21	8,757918E+21	6,540783E+21	3,656211E+21	1,309389E+21	1,294739E+20	0,000000E+00	0,000000E+00	1,294961E+20	1,309477E+21
2318	3,656332E+21	6,541013E+21	8,758217E+21	8,758026E+21	6,540555E+21	3,656005E+21	1,309311E+21	1,294290E+20	0,000000E+00	0,000000E+00	1,294347E+20	1,309350E+21
2319	3,656142E+21	6,540725E+21	8,757960E+21	8,758209E+21	6,541114E+21	3,656384E+21	1,309468E+21	1,294671E+20	0,000000E+00	0,000000E+00	1,294061E+20	1,309236E+21
2320	3,656103E+21	6,541008E+21	8,758522E+21	8,758599E+21	6,541169E+21	3,656199E+21	1,309232E+21	1,293930E+20	0,000000E+00	0,000000E+00	1,294541E+20	1,309454E+21
2321	3,656402E+21	6,541218E+21	8,758469E+21	8,758288E+21	6,540914E+21	3,656221E+21	1,309329E+21	1,293997E+20	0,000000E+00	0,000000E+00	1,293773E+20	1,309257E+21
2322	3,656150E+21	6,540907E+21	8,758340E+21	8,758590E+21	6,541342E+21	3,656455E+21	1,309423E+21	1,294381E+20	0,000000E+00	0,000000E+00	1,294084E+20	1,309283E+21
2323	3,656290E+21	6,541307E+21	8,758745E+21	8,758658E+21	6,541024E+21	3,656081E+21	1,309205E+21	1,293783E+20	0,000000E+00	0,000000E+00	1,294365E+20	1,309425E+21
2324	3,656344E+21	6,541067E+21	8,758184E+21	8,758086E+21	6,540905E+21	3,656267E+21	1,309420E+21	1,294521E+20	0,000000E+00	0,000000E+00	1,293966E+20	1,309219E+21
2325	3,655984E+21	6,540673E+21	8,758141E+21	8,758301E+21	6,541068E+21	3,656324E+21	1,309404E+21	1,294640E+20	0,000000E+00	0,000000E+00	1,294852E+20	1,309435E+21
2326	3,656253E+21	6,540853E+21	8,758028E+21	8,757898E+21	6,540469E+21	3,655954E+21	1,309306E+21	1,294498E+20	0,000000E+00	0,000000E+00	1,294893E+20	1,309472E+21
2327	3,656155E+21	6,540406E+21	8,757204E+21	8,757291E+21	6,540503E+21	3,656230E+21	1,309559E+21	1,295413E+20	0,000000E+00	0,000000E+00	1,294951E+20	1,309347E+21
2328	3,655936E+21	6,540275E+21	8,757322E+21	8,757339E+21	6,540377E+21	3,656047E+21	1,309408E+21	1,295166E+20	0,000000E+00	0,000000E+00	1,295774E+20	1,309598E+21

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°
2329	3,656181E+21	6,540328E+21	8,757037E+21	8,756741E+21	6,539775E+21	3,655862E+21	1,309475E+21	1,295484E+20	0,000000E+00	0,000000E+00	1,295473E+20	1,309476E+21
2330	3,655870E+21	6,539722E+21	8,756447E+21	8,756675E+21	6,540111E+21	3,656146E+21	1,309656E+21	1,296145E+20	0,000000E+00	0,000000E+00	1,295706E+20	1,309441E+21
2331	3,655836E+21	6,539848E+21	8,756689E+21	8,756724E+21	6,539853E+21	3,655812E+21	1,309426E+21	1,295644E+20	0,000000E+00	0,000000E+00	1,296230E+20	1,309671E+21
2332	3,656044E+21	6,539763E+21	8,756168E+21	8,756062E+21	6,539583E+21	3,655929E+21	1,309602E+21	1,296063E+20	0,000000E+00	0,000000E+00	1,295664E+20	1,309460E+21
2333	3,655759E+21	6,539509E+21	8,756261E+21	8,756483E+21	6,539966E+21	3,656096E+21	1,309620E+21	1,296111E+20	0,000000E+00	0,000000E+00	1,295998E+20	1,309561E+21
2334	3,656039E+21	6,540055E+21	8,756752E+21	8,756610E+21	6,539671E+21	3,655739E+21	1,309414E+21	1,295482E+20	0,000000E+00	0,000000E+00	1,295894E+20	1,309602E+21
2335	3,656074E+21	6,540015E+21	8,756542E+21	8,756488E+21	6,539947E+21	3,656059E+21	1,309597E+21	1,295810E+20	0,000000E+00	0,000000E+00	1,295174E+20	1,309357E+21
2336	3,655813E+21	6,540019E+21	8,757131E+21	8,757245E+21	6,540338E+21	3,656071E+21	1,309446E+21	1,295342E+20	0,000000E+00	0,000000E+00	1,295592E+20	1,309540E+21
2337	3,656144E+21	6,540407E+21	8,757349E+21	8,757242E+21	6,540112E+21	3,655897E+21	1,309379E+21	1,294885E+20	0,000000E+00	0,000000E+00	1,295007E+20	1,309439E+21
2338	3,656018E+21	6,540179E+21	8,757103E+21	8,757391E+21	6,540638E+21	3,656283E+21	1,309557E+21	1,295328E+20	0,000000E+00	0,000000E+00	1,294692E+20	1,309312E+21
2339	3,655976E+21	6,540491E+21	8,757711E+21	8,757796E+21	6,540668E+21	3,656077E+21	1,309321E+21	1,294606E+20	0,000000E+00	0,000000E+00	1,295183E+20	1,309538E+21
2340	3,656283E+21	6,540697E+21	8,757595E+21	8,757368E+21	6,540327E+21	3,656066E+21	1,309414E+21	1,294717E+20	0,000000E+00	0,000000E+00	1,294457E+20	1,309333E+21
2341	3,656009E+21	6,540401E+21	8,757562E+21	8,757719E+21	6,540719E+21	3,656288E+21	1,309522E+21	1,295162E+20	0,000000E+00	0,000000E+00	1,294850E+20	1,309365E+21
2342	3,656104E+21	6,540681E+21	8,757856E+21	8,757804E+21	6,540456E+21	3,655909E+21	1,309292E+21	1,294592E+20	0,000000E+00	0,000000E+00	1,295181E+20	1,309521E+21
2343	3,656193E+21	6,540498E+21	8,757267E+21	8,757136E+21	6,540298E+21	3,656091E+21	1,309492E+21	1,295269E+20	0,000000E+00	0,000000E+00	1,294845E+20	1,309342E+21
2344	3,655862E+21	6,540079E+21	8,757176E+21	8,757323E+21	6,540447E+21	3,656155E+21	1,309484E+21	1,295385E+20	0,000000E+00	0,000000E+00	1,295682E+20	1,309542E+21
2345	3,656118E+21	6,540256E+21	8,757043E+21	8,756889E+21	6,539840E+21	3,655789E+21	1,309397E+21	1,295275E+20	0,000000E+00	0,000000E+00	1,295710E+20	1,309573E+21
2346	3,656016E+21	6,539837E+21	8,756313E+21	8,756364E+21	6,539890E+21	3,656074E+21	1,309669E+21	1,296256E+20	0,000000E+00	0,000000E+00	1,295699E+20	1,309414E+21
2347	3,655722E+21	6,539622E+21	8,756430E+21	8,756488E+21	6,539815E+21	3,655900E+21	1,309518E+21	1,296028E+20	0,000000E+00	0,000000E+00	1,296520E+20	1,309673E+21
2348	3,655957E+21	6,539596E+21	8,755980E+21	8,755754E+21	6,539184E+21	3,655715E+21	1,309577E+21	1,296332E+20	0,000000E+00	0,000000E+00	1,296270E+20	1,309566E+21
2349	3,655684E+21	6,539050E+21	8,755437E+21	8,755657E+21	6,539472E+21	3,656008E+21	1,309765E+21	1,296968E+20	0,000000E+00	0,000000E+00	1,296524E+20	1,309546E+21
2350	3,655685E+21	6,539204E+21	8,755693E+21	8,755752E+21	6,539249E+21	3,655660E+21	1,309522E+21	1,296423E+20	0,000000E+00	0,000000E+00	1,297003E+20	1,309771E+21
2351	3,655958E+21	6,539320E+21	8,755356E+21	8,755146E+21	6,538969E+21	3,655743E+21	1,309663E+21	1,296714E+20	0,000000E+00	0,000000E+00	1,296387E+20	1,309554E+21
2352	3,655663E+21	6,539073E+21	8,755552E+21	8,755707E+21	6,539420E+21	3,655926E+21	1,309680E+21	1,296734E+20	0,000000E+00	0,000000E+00	1,296623E+20	1,309623E+21
2353	3,655887E+21	6,539560E+21	8,756034E+21	8,755906E+21	6,539214E+21	3,655603E+21	1,309481E+21	1,296094E+20	0,000000E+00	0,000000E+00	1,296513E+20	1,309668E+21
2354	3,655916E+21	6,539488E+21	8,755830E+21	8,755840E+21	6,539540E+21	3,655949E+21	1,309675E+21	1,296459E+20	0,000000E+00	0,000000E+00	1,295773E+20	1,309419E+21
2355	3,655640E+21	6,539439E+21	8,756332E+21	8,756538E+21	6,539936E+21	3,655990E+21	1,309532E+21	1,295986E+20	0,000000E+00	0,000000E+00	1,296223E+20	1,309624E+21
2356	3,656013E+21	6,539835E+21	8,756425E+21	8,756330E+21	6,539583E+21	3,655784E+21	1,309464E+21	1,295538E+20	0,000000E+00	0,000000E+00	1,295673E+20	1,309529E+21
2357	3,655926E+21	6,539723E+21	8,756312E+21	8,756473E+21	6,540021E+21	3,656135E+21	1,309649E+21	1,296025E+20	0,000000E+00	0,000000E+00	1,295391E+20	1,309395E+21
2358	3,655852E+21	6,539989E+21	8,756924E+21	8,756954E+21	6,540090E+21	3,655907E+21	1,309404E+21	1,295336E+20	0,000000E+00	0,000000E+00	1,295877E+20	1,309608E+21
2359	3,656149E+21	6,540233E+21	8,756850E+21	8,756546E+21	6,539738E+21	3,655865E+21	1,309471E+21	1,295408E+20	0,000000E+00	0,000000E+00	1,295208E+20	1,309421E+21
2360	3,655849E+21	6,539829E+21	8,756743E+21	8,756919E+21	6,540180E+21	3,656111E+21	1,309583E+21	1,295859E+20	0,000000E+00	0,000000E+00	1,295604E+20	1,309453E+21
2361	3,655930E+21	6,540036E+21	8,756900E+21	8,756896E+21	6,539918E+21	3,655776E+21	1,309375E+21	1,295319E+20	0,000000E+00	0,000000E+00	1,295978E+20	1,309628E+21
2362	3,656059E+21	6,539890E+21	8,756340E+21	8,756227E+21	6,539732E+21	3,655961E+21	1,309598E+21	1,296067E+20	0,000000E+00	0,000000E+00	1,295618E+20	1,309433E+21
2363	3,655709E+21	6,539477E+21	8,756252E+21	8,756409E+21	6,539883E+21	3,656029E+21	1,309596E+21	1,296209E+20	0,000000E+00	0,000000E+00	1,296434E+20	1,309623E+21
2364	3,655937E+21	6,539605E+21	8,756029E+21	8,755852E+21	6,539199E+21	3,655644E+21	1,309512E+21	1,296153E+20	0,000000E+00	0,000000E+00	1,296503E+20	1,309652E+21

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°
2365	3,655823E+21	6,539196E+21	8,755375E+21	8,755369E+21	6,539216E+21	3,655913E+21	1,309788E+21	1,297158E+20	0,000000E+00	0,000000E+00	1,296542E+20	1,309504E+21
2366	3,655509E+21	6,538882E+21	8,755380E+21	8,755512E+21	6,539199E+21	3,655730E+21	1,309620E+21	1,296918E+20	0,000000E+00	0,000000E+00	1,297376E+20	1,309776E+21
2367	3,655806E+21	6,538968E+21	8,754953E+21	8,754706E+21	6,538521E+21	3,655527E+21	1,309649E+21	1,297096E+20	0,000000E+00	0,000000E+00	1,297156E+20	1,309699E+21
2368	3,655590E+21	6,538493E+21	8,754503E+21	8,754680E+21	6,538819E+21	3,655809E+21	1,309827E+21	1,297656E+20	0,000000E+00	0,000000E+00	1,297304E+20	1,309655E+21
2369	3,655591E+21	6,538707E+21	8,754835E+21	8,754827E+21	6,538644E+21	3,655490E+21	1,309592E+21	1,297096E+20	0,000000E+00	0,000000E+00	1,297726E+20	1,309861E+21
2370	3,655849E+21	6,538861E+21	8,754671E+21	8,754421E+21	6,538454E+21	3,655598E+21	1,309743E+21	1,297393E+20	0,000000E+00	0,000000E+00	1,297008E+20	1,309607E+21
2371	3,655489E+21	6,538552E+21	8,754861E+21	8,755071E+21	6,539002E+21	3,655814E+21	1,309761E+21	1,297410E+20	0,000000E+00	0,000000E+00	1,297211E+20	1,309672E+21
2372	3,655683E+21	6,538933E+21	8,755155E+21	8,755118E+21	6,538774E+21	3,655513E+21	1,309566E+21	1,296769E+20	0,000000E+00	0,000000E+00	1,297145E+20	1,309734E+21
2373	3,655750E+21	6,538912E+21	8,754987E+21	8,754992E+21	6,539021E+21	3,655855E+21	1,309771E+21	1,297137E+20	0,000000E+00	0,000000E+00	1,296447E+20	1,309503E+21
2374	3,655505E+21	6,538860E+21	8,755437E+21	8,755677E+21	6,539407E+21	3,655867E+21	1,309619E+21	1,296664E+20	0,000000E+00	0,000000E+00	1,296876E+20	1,309702E+21
2375	3,655927E+21	6,539420E+21	8,755657E+21	8,755458E+21	6,538993E+21	3,655612E+21	1,309522E+21	1,296144E+20	0,000000E+00	0,000000E+00	1,296353E+20	1,309620E+21
2376	3,655837E+21	6,539307E+21	8,755626E+21	8,755698E+21	6,539447E+21	3,655942E+21	1,309701E+21	1,296640E+20	0,000000E+00	0,000000E+00	1,296040E+20	1,309467E+21
2377	3,655713E+21	6,539492E+21	8,756180E+21	8,756200E+21	6,539574E+21	3,655748E+21	1,309471E+21	1,296000E+20	0,000000E+00	0,000000E+00	1,296573E+20	1,309691E+21
2378	3,656000E+21	6,539673E+21	8,756083E+21	8,755841E+21	6,539270E+21	3,655732E+21	1,309550E+21	1,296134E+20	0,000000E+00	0,000000E+00	1,295929E+20	1,309506E+21
2379	3,655690E+21	6,539217E+21	8,755853E+21	8,756109E+21	6,539704E+21	3,656011E+21	1,309678E+21	1,296609E+20	0,000000E+00	0,000000E+00	1,296351E+20	1,309546E+21
2380	3,655777E+21	6,539393E+21	8,755872E+21	8,755879E+21	6,539323E+21	3,655661E+21	1,309486E+21	1,296139E+20	0,000000E+00	0,000000E+00	1,296765E+20	1,309722E+21
2381	3,655920E+21	6,539319E+21	8,755413E+21	8,755197E+21	6,539043E+21	3,655815E+21	1,309720E+21	1,296953E+20	0,000000E+00	0,000000E+00	1,296454E+20	1,309521E+21
2382	3,655524E+21	6,538812E+21	8,755262E+21	8,755427E+21	6,539238E+21	3,655867E+21	1,309712E+21	1,297119E+20	0,000000E+00	0,000000E+00	1,297251E+20	1,309699E+21
2383	3,655747E+21	6,538976E+21	8,755057E+21	8,754850E+21	6,538519E+21	3,655439E+21	1,309592E+21	1,296987E+20	0,000000E+00	0,000000E+00	1,297395E+20	1,309761E+21
2384	3,655642E+21	6,538510E+21	8,754355E+21	8,754373E+21	6,538554E+21	3,655705E+21	1,309855E+21	1,297927E+20	0,000000E+00	0,000000E+00	1,297394E+20	1,309616E+21
2385	3,655354E+21	6,538210E+21	8,754318E+21	8,754475E+21	6,538557E+21	3,655564E+21	1,309699E+21	1,297659E+20	0,000000E+00	0,000000E+00	1,298205E+20	1,309895E+21
2386	3,655701E+21	6,538399E+21	8,754052E+21	8,753805E+21	6,537917E+21	3,655362E+21	1,309733E+21	1,297829E+20	0,000000E+00	0,000000E+00	1,297895E+20	1,309790E+21
2387	3,655478E+21	6,537993E+21	8,753706E+21	8,753868E+21	6,538289E+21	3,655673E+21	1,309912E+21	1,298367E+20	0,000000E+00	0,000000E+00	1,297952E+20	1,309720E+21
2388	3,655433E+21	6,538173E+21	8,754017E+21	8,753985E+21	6,538111E+21	3,655376E+21	1,309693E+21	1,297848E+20	0,000000E+00	0,000000E+00	1,298372E+20	1,309916E+21
2389	3,655670E+21	6,538326E+21	8,753928E+21	8,753662E+21	6,537939E+21	3,655484E+21	1,309844E+21	1,298143E+20	0,000000E+00	0,000000E+00	1,297684E+20	1,309671E+21
2390	3,655294E+21	6,537915E+21	8,753979E+21	8,754307E+21	6,538553E+21	3,655712E+21	1,309852E+21	1,298136E+20	0,000000E+00	0,000000E+00	1,297882E+20	1,309744E+21
2391	3,655546E+21	6,538396E+21	8,754270E+21	8,754239E+21	6,538230E+21	3,655374E+21	1,309629E+21	1,297383E+20	0,000000E+00	0,000000E+00	1,297871E+20	1,309839E+21
2392	3,655665E+21	6,538436E+21	8,754180E+21	8,754146E+21	6,538433E+21	3,655675E+21	1,309823E+21	1,297708E+20	0,000000E+00	0,000000E+00	1,297106E+20	1,309595E+21
2393	3,655424E+21	6,538428E+21	8,754673E+21	8,754845E+21	6,538840E+21	3,655705E+21	1,309681E+21	1,297263E+20	0,000000E+00	0,000000E+00	1,297526E+20	1,309781E+21
2394	3,655818E+21	6,538981E+21	8,755018E+21	8,754796E+21	6,538493E+21	3,655458E+21	1,309591E+21	1,296797E+20	0,000000E+00	0,000000E+00	1,296971E+20	1,309681E+21
2395	3,655682E+21	6,538803E+21	8,754926E+21	8,755057E+21	6,539015E+21	3,655815E+21	1,309771E+21	1,297317E+20	0,000000E+00	0,000000E+00	1,296683E+20	1,309530E+21
2396	3,655522E+21	6,538861E+21	8,755260E+21	8,755352E+21	6,539085E+21	3,655655E+21	1,309569E+21	1,296751E+20	0,000000E+00	0,000000E+00	1,297287E+20	1,309773E+21
2397	3,655842E+21	6,539071E+21	8,755168E+21	8,754927E+21	6,538702E+21	3,655631E+21	1,309661E+21	1,296929E+20	0,000000E+00	0,000000E+00	1,296721E+20	1,309603E+21
2398	3,655543E+21	6,538585E+21	8,754852E+21	8,755149E+21	6,539113E+21	3,655881E+21	1,309786E+21	1,297429E+20	0,000000E+00	0,000000E+00	1,297128E+20	1,309630E+21
2399	3,655645E+21	6,538849E+21	8,754922E+21	8,754853E+21	6,538641E+21	3,655482E+21	1,309572E+21	1,296923E+20	0,000000E+00	0,000000E+00	1,297603E+20	1,309823E+21
2400	3,655773E+21	6,538743E+21	8,754517E+21	8,754253E+21	6,538353E+21	3,655599E+21	1,309797E+21	1,297730E+20	0,000000E+00	0,000000E+00	1,297278E+20	1,309616E+21

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°
2401	3,655350E+21	6,538168E+21	8,754275E+21	8,754454E+21	6,538586E+21	3,655676E+21	1,309794E+21	1,297914E+20	0,000000E+00	0,000000E+00	1,298100E+20	1,309805E+21
2402	3,655574E+21	6,538303E+21	8,754090E+21	8,753945E+21	6,537920E+21	3,655272E+21	1,309678E+21	1,297795E+20	0,000000E+00	0,000000E+00	1,298234E+20	1,309871E+21
2403	3,655503E+21	6,537883E+21	8,753369E+21	8,753426E+21	6,537965E+21	3,655555E+21	1,309939E+21	1,298691E+20	0,000000E+00	0,000000E+00	1,298185E+20	1,309718E+21
2404	3,655221E+21	6,537606E+21	8,753307E+21	8,753436E+21	6,537908E+21	3,655422E+21	1,309805E+21	1,298475E+20	0,000000E+00	0,000000E+00	1,298966E+20	1,309984E+21
2405	3,655574E+21	6,537887E+21	8,753222E+21	8,752892E+21	6,537293E+21	3,655220E+21	1,309842E+21	1,298656E+20	0,000000E+00	0,000000E+00	1,298643E+20	1,309859E+21
2406	3,655295E+21	6,537404E+21	8,752864E+21	8,753066E+21	6,537759E+21	3,655541E+21	1,310016E+21	1,299177E+20	0,000000E+00	0,000000E+00	1,298636E+20	1,309772E+21
2407	3,655243E+21	6,537604E+21	8,753173E+21	8,753161E+21	6,537573E+21	3,655232E+21	1,309770E+21	1,298566E+20	0,000000E+00	0,000000E+00	1,299112E+20	1,309998E+21
2408	3,655494E+21	6,537719E+21	8,753057E+21	8,752857E+21	6,537412E+21	3,655332E+21	1,309906E+21	1,298765E+20	0,000000E+00	0,000000E+00	1,298386E+20	1,309764E+21
2409	3,655162E+21	6,537343E+21	8,753052E+21	8,753422E+21	6,538016E+21	3,655582E+21	1,309921E+21	1,298733E+20	0,000000E+00	0,000000E+00	1,298565E+20	1,309841E+21
2410	3,655448E+21	6,537911E+21	8,753503E+21	8,753480E+21	6,537716E+21	3,655232E+21	1,309696E+21	1,297975E+20	0,000000E+00	0,000000E+00	1,298489E+20	1,309919E+21
2411	3,655577E+21	6,538027E+21	8,753492E+21	8,753433E+21	6,537952E+21	3,655538E+21	1,309885E+21	1,298295E+20	0,000000E+00	0,000000E+00	1,297670E+20	1,309655E+21
2412	3,655289E+21	6,537965E+21	8,753945E+21	8,754085E+21	6,538330E+21	3,655584E+21	1,309771E+21	1,297950E+20	0,000000E+00	0,000000E+00	1,298130E+20	1,309841E+21
2413	3,655667E+21	6,538492E+21	8,754310E+21	8,754081E+21	6,538007E+21	3,655341E+21	1,309684E+21	1,297542E+20	0,000000E+00	0,000000E+00	1,297657E+20	1,309753E+21
2414	3,655508E+21	6,538195E+21	8,754046E+21	8,754279E+21	6,538556E+21	3,655716E+21	1,309865E+21	1,298066E+20	0,000000E+00	0,000000E+00	1,297405E+20	1,309615E+21
2415	3,655398E+21	6,538320E+21	8,754334E+21	8,754412E+21	6,538493E+21	3,655514E+21	1,309647E+21	1,297451E+20	0,000000E+00	0,000000E+00	1,298093E+20	1,309883E+21
2416	3,655738E+21	6,538546E+21	8,754274E+21	8,753987E+21	6,538043E+21	3,655433E+21	1,309730E+21	1,297625E+20	0,000000E+00	0,000000E+00	1,297516E+20	1,309705E+21
2417	3,655424E+21	6,538052E+21	8,753935E+21	8,754179E+21	6,538461E+21	3,655704E+21	1,309870E+21	1,298167E+20	0,000000E+00	0,000000E+00	1,297922E+20	1,309717E+21
2418	3,655470E+21	6,538255E+21	8,754086E+21	8,754030E+21	6,538038E+21	3,655301E+21	1,309661E+21	1,297723E+20	0,000000E+00	0,000000E+00	1,298378E+20	1,309901E+21
2419	3,655574E+21	6,538090E+21	8,753587E+21	8,753398E+21	6,537795E+21	3,655436E+21	1,309882E+21	1,298530E+20	0,000000E+00	0,000000E+00	1,298060E+20	1,309699E+21
2420	3,655136E+21	6,537439E+21	8,753182E+21	8,753412E+21	6,537958E+21	3,655545E+21	1,309906E+21	1,298776E+20	0,000000E+00	0,000000E+00	1,298911E+20	1,309904E+21
2421	3,655410E+21	6,537648E+21	8,753055E+21	8,752900E+21	6,537268E+21	3,655138E+21	1,309796E+21	1,298679E+20	0,000000E+00	0,000000E+00	1,299075E+20	1,309972E+21
2422	3,655353E+21	6,537253E+21	8,752355E+21	8,752435E+21	6,537350E+21	3,655412E+21	1,310047E+21	1,299535E+20	0,000000E+00	0,000000E+00	1,298961E+20	1,309803E+21
2423	3,655095E+21	6,537084E+21	8,752403E+21	8,752455E+21	6,537247E+21	3,655248E+21	1,309894E+21	1,299266E+20	0,000000E+00	0,000000E+00	1,299767E+20	1,310075E+21
2424	3,655422E+21	6,537339E+21	8,752406E+21	8,752068E+21	6,536689E+21	3,655026E+21	1,309918E+21	1,299385E+20	0,000000E+00	0,000000E+00	1,299410E+20	1,309944E+21
2425	3,655124E+21	6,536808E+21	8,751975E+21	8,752236E+21	6,537227E+21	3,655389E+21	1,310090E+21	1,299873E+20	0,000000E+00	0,000000E+00	1,299390E+20	1,309864E+21
2426	3,655068E+21	6,536986E+21	8,752321E+21	8,752396E+21	6,537087E+21	3,655106E+21	1,309845E+21	1,299231E+20	0,000000E+00	0,000000E+00	1,299823E+20	1,310092E+21
2427	3,655374E+21	6,537182E+21	8,752199E+21	8,752040E+21	6,536913E+21	3,655205E+21	1,309973E+21	1,299363E+20	0,000000E+00	0,000000E+00	1,299030E+20	1,309850E+21
2428	3,655057E+21	6,536857E+21	8,752191E+21	8,752501E+21	6,537436E+21	3,655453E+21	1,310011E+21	1,299400E+20	0,000000E+00	0,000000E+00	1,299182E+20	1,309915E+21
2429	3,655347E+21	6,537497E+21	8,752802E+21	8,752693E+21	6,537185E+21	3,655106E+21	1,309789E+21	1,298678E+20	0,000000E+00	0,000000E+00	1,299115E+20	1,309979E+21
2430	3,655427E+21	6,537539E+21	8,752780E+21	8,752745E+21	6,537489E+21	3,655405E+21	1,309965E+21	1,298993E+20	0,000000E+00	0,000000E+00	1,298285E+20	1,309710E+21
2431	3,655139E+21	6,537464E+21	8,753166E+21	8,753312E+21	6,537817E+21	3,655433E+21	1,309838E+21	1,298619E+20	0,000000E+00	0,000000E+00	1,298844E+20	1,309927E+21
2432	3,655518E+21	6,537937E+21	8,753487E+21	8,753308E+21	6,537493E+21	3,655184E+21	1,309745E+21	1,298159E+20	0,000000E+00	0,000000E+00	1,298381E+20	1,309850E+21
2433	3,655386E+21	6,537648E+21	8,753138E+21	8,753385E+21	6,537995E+21	3,655574E+21	1,309940E+21	1,298709E+20	0,000000E+00	0,000000E+00	1,298144E+20	1,309710E+21
2434	3,655265E+21	6,537789E+21	8,753525E+21	8,753596E+21	6,537939E+21	3,655369E+21	1,309732E+21	1,298142E+20	0,000000E+00	0,000000E+00	1,298788E+20	1,309959E+21
2435	3,655597E+21	6,538036E+21	8,753464E+21	8,753160E+21	6,537497E+21	3,655285E+21	1,309815E+21	1,298350E+20	0,000000E+00	0,000000E+00	1,298210E+20	1,309770E+21
2436	3,655232E+21	6,537445E+21	8,753007E+21	8,753237E+21	6,537852E+21	3,655561E+21	1,309984E+21	1,299012E+20	0,000000E+00	0,000000E+00	1,298671E+20	1,309794E+21

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°
2437	3,655270E+21	6,537597E+21	8,753125E+21	8,753108E+21	6,537463E+21	3,655165E+21	1,309775E+21	1,298630E+20	0,000000E+00	0,000000E+00	1,299214E+20	1,309995E+21
2438	3,655375E+21	6,537363E+21	8,752502E+21	8,752409E+21	6,537207E+21	3,655298E+21	1,309987E+21	1,299403E+20	0,000000E+00	0,000000E+00	1,298914E+20	1,309808E+21
2439	3,655011E+21	6,536821E+21	8,752113E+21	8,752297E+21	6,537236E+21	3,655355E+21	1,309998E+21	1,299599E+20	0,000000E+00	0,000000E+00	1,299811E+20	1,310029E+21
2440	3,655302E+21	6,537092E+21	8,752111E+21	8,751892E+21	6,536559E+21	3,654918E+21	1,309875E+21	1,299458E+20	0,000000E+00	0,000000E+00	1,299933E+20	1,310081E+21
2441	3,655227E+21	6,536714E+21	8,751456E+21	8,751479E+21	6,536701E+21	3,655228E+21	1,310130E+21	1,300296E+20	0,000000E+00	0,000000E+00	1,299778E+20	1,309893E+21
2442	3,654911E+21	6,536499E+21	8,751613E+21	8,751686E+21	6,536697E+21	3,655086E+21	1,309982E+21	1,300035E+20	0,000000E+00	0,000000E+00	1,300513E+20	1,310150E+21
2443	3,655232E+21	6,536721E+21	8,751528E+21	8,751284E+21	6,536218E+21	3,654898E+21	1,309995E+21	1,300085E+20	0,000000E+00	0,000000E+00	1,300116E+20	1,310019E+21
2444	3,654932E+21	6,536154E+21	8,750983E+21	8,751296E+21	6,536691E+21	3,655289E+21	1,310191E+21	1,300596E+20	0,000000E+00	0,000000E+00	1,300073E+20	1,309950E+21
2445	3,654930E+21	6,536419E+21	8,751414E+21	8,751490E+21	6,536545E+21	3,654995E+21	1,309946E+21	1,299962E+20	0,000000E+00	0,000000E+00	1,300491E+20	1,310169E+21
2446	3,655244E+21	6,536657E+21	8,751352E+21	8,751198E+21	6,536394E+21	3,655079E+21	1,310060E+21	1,300042E+20	0,000000E+00	0,000000E+00	1,299635E+20	1,309918E+21
2447	3,654964E+21	6,536448E+21	8,751466E+21	8,751665E+21	6,536846E+21	3,655280E+21	1,310080E+21	1,300050E+20	0,000000E+00	0,000000E+00	1,299834E+20	1,309992E+21
2448	3,655225E+21	6,537058E+21	8,752144E+21	8,751998E+21	6,536658E+21	3,654918E+21	1,309846E+21	1,299296E+20	0,000000E+00	0,000000E+00	1,299774E+20	1,310057E+21
2449	3,655289E+21	6,537041E+21	8,752030E+21	8,752022E+21	6,537026E+21	3,655263E+21	1,310022E+21	1,299599E+20	0,000000E+00	0,000000E+00	1,298980E+20	1,309798E+21
2450	3,654992E+21	6,536928E+21	8,752419E+21	8,752613E+21	6,537368E+21	3,655312E+21	1,309908E+21	1,299243E+20	0,000000E+00	0,000000E+00	1,299523E+20	1,310014E+21
2451	3,655403E+21	6,537430E+21	8,752673E+21	8,752522E+21	6,537014E+21	3,655058E+21	1,309816E+21	1,298778E+20	0,000000E+00	0,000000E+00	1,299034E+20	1,309925E+21
2452	3,655247E+21	6,537124E+21	8,752268E+21	8,752457E+21	6,537414E+21	3,655447E+21	1,310044E+21	1,299453E+20	0,000000E+00	0,000000E+00	1,298827E+20	1,309780E+21
2453	3,655102E+21	6,537239E+21	8,752687E+21	8,752724E+21	6,537380E+21	3,655242E+21	1,309847E+21	1,298984E+20	0,000000E+00	0,000000E+00	1,299511E+20	1,310019E+21
2454	3,655378E+21	6,537379E+21	8,752537E+21	8,752295E+21	6,536958E+21	3,655146E+21	1,309922E+21	1,299209E+20	0,000000E+00	0,000000E+00	1,298983E+20	1,309851E+21
2455	3,655050E+21	6,536786E+21	8,751984E+21	8,752208E+21	6,537193E+21	3,655377E+21	1,310074E+21	1,299844E+20	0,000000E+00	0,000000E+00	1,299557E+20	1,309912E+21
2456	3,655114E+21	6,536927E+21	8,752082E+21	8,752074E+21	6,536784E+21	3,654965E+21	1,309856E+21	1,299414E+20	0,000000E+00	0,000000E+00	1,300117E+20	1,310126E+21
2457	3,655262E+21	6,536749E+21	8,751457E+21	8,751333E+21	6,536516E+21	3,655103E+21	1,310064E+21	1,300157E+20	0,000000E+00	0,000000E+00	1,299804E+20	1,309930E+21
2458	3,654887E+21	6,536265E+21	8,751238E+21	8,751371E+21	6,536594E+21	3,655166E+21	1,310082E+21	1,300369E+20	0,000000E+00	0,000000E+00	1,300605E+20	1,310124E+21
2459	3,655168E+21	6,536564E+21	8,751283E+21	8,751038E+21	6,535991E+21	3,654756E+21	1,309961E+21	1,300221E+20	0,000000E+00	0,000000E+00	1,300677E+20	1,310151E+21
2460	3,655030E+21	6,536103E+21	8,750563E+21	8,750575E+21	6,536122E+21	3,655094E+21	1,310244E+21	1,301130E+20	0,000000E+00	0,000000E+00	1,300520E+20	1,309969E+21
2461	3,654708E+21	6,535837E+21	8,750677E+21	8,750828E+21	6,536202E+21	3,654989E+21	1,310099E+21	1,300893E+20	0,000000E+00	0,000000E+00	1,301261E+20	1,310227E+21
2462	3,655036E+21	6,536040E+21	8,750524E+21	8,750372E+21	6,535712E+21	3,654797E+21	1,310097E+21	1,300854E+20	0,000000E+00	0,000000E+00	1,300847E+20	1,310113E+21
2463	3,654825E+21	6,535604E+21	8,750020E+21	8,750256E+21	6,536024E+21	3,655113E+21	1,310271E+21	1,301297E+20	0,000000E+00	0,000000E+00	1,300811E+20	1,310054E+21
2464	3,654842E+21	6,535951E+21	8,750615E+21	8,750609E+21	6,535923E+21	3,654795E+21	1,310008E+21	1,300598E+20	0,000000E+00	0,000000E+00	1,301178E+20	1,310255E+21
2465	3,655138E+21	6,536213E+21	8,750637E+21	8,750417E+21	6,535841E+21	3,654898E+21	1,310115E+21	1,300651E+20	0,000000E+00	0,000000E+00	1,300295E+20	1,309990E+21
2466	3,654807E+21	6,535973E+21	8,750860E+21	8,751057E+21	6,536389E+21	3,655122E+21	1,310141E+21	1,300679E+20	0,000000E+00	0,000000E+00	1,300454E+20	1,310057E+21
2467	3,655072E+21	6,536547E+21	8,751430E+21	8,751355E+21	6,536279E+21	3,654811E+21	1,309908E+21	1,299888E+20	0,000000E+00	0,000000E+00	1,300371E+20	1,310117E+21
2468	3,655122E+21	6,536477E+21	8,751188E+21	8,751201E+21	6,536559E+21	3,655179E+21	1,310116E+21	1,300258E+20	0,000000E+00	0,000000E+00	1,299609E+20	1,309876E+21
2469	3,654861E+21	6,536393E+21	8,751572E+21	8,751788E+21	6,536900E+21	3,655228E+21	1,310013E+21	1,299970E+20	0,000000E+00	0,000000E+00	1,300158E+20	1,310074E+21
2470	3,655245E+21	6,536879E+21	8,751820E+21	8,751681E+21	6,536520E+21	3,654952E+21	1,309915E+21	1,299511E+20	0,000000E+00	0,000000E+00	1,299692E+20	1,309995E+21
2471	3,655116E+21	6,536608E+21	8,751424E+21	8,751510E+21	6,536769E+21	3,655270E+21	1,310134E+21	1,300215E+20	0,000000E+00	0,000000E+00	1,299592E+20	1,309872E+21
2472	3,654946E+21	6,536656E+21	8,751831E+21	8,751854E+21	6,536765E+21	3,655039E+21	1,309924E+21	1,299742E+20	0,000000E+00	0,000000E+00	1,300330E+20	1,310124E+21

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°
2473	3,655220E+21	6,536741E+21	8,751564E+21	8,751345E+21	6,536355E+21	3,654967E+21	1,309992E+21	1,299963E+20	0,000000E+00	0,000000E+00	1,299868E+20	1,309975E+21
2474	3,654906E+21	6,536173E+21	8,751063E+21	8,751268E+21	6,536562E+21	3,655192E+21	1,310150E+21	1,300596E+20	0,000000E+00	0,000000E+00	1,300407E+20	1,310035E+21
2475	3,655019E+21	6,536380E+21	8,751148E+21	8,751092E+21	6,536158E+21	3,654791E+21	1,309936E+21	1,300164E+20	0,000000E+00	0,000000E+00	1,300902E+20	1,310220E+21
2476	3,655125E+21	6,536195E+21	8,750545E+21	8,750330E+21	6,535862E+21	3,654947E+21	1,310173E+21	1,300989E+20	0,000000E+00	0,000000E+00	1,300583E+20	1,310012E+21
2477	3,654718E+21	6,535680E+21	8,750362E+21	8,750493E+21	6,536034E+21	3,655033E+21	1,310203E+21	1,301284E+20	0,000000E+00	0,000000E+00	1,301360E+20	1,310179E+21
2478	3,654923E+21	6,535859E+21	8,750323E+21	8,750175E+21	6,535487E+21	3,654645E+21	1,310078E+21	1,301115E+20	0,000000E+00	0,000000E+00	1,301453E+20	1,310226E+21
2479	3,654825E+21	6,535398E+21	8,749527E+21	8,749558E+21	6,535499E+21	3,654944E+21	1,310343E+21	1,301947E+20	0,000000E+00	0,000000E+00	1,301348E+20	1,310075E+21
2480	3,654542E+21	6,535157E+21	8,749652E+21	8,749828E+21	6,535560E+21	3,654814E+21	1,310182E+21	1,301629E+20	0,000000E+00	0,000000E+00	1,302054E+20	1,310334E+21
2481	3,654912E+21	6,535454E+21	8,749549E+21	8,749374E+21	6,535080E+21	3,654624E+21	1,310167E+21	1,301518E+20	0,000000E+00	0,000000E+00	1,301601E+20	1,310213E+21
2482	3,654712E+21	6,535137E+21	8,749290E+21	8,749437E+21	6,535434E+21	3,654926E+21	1,310331E+21	1,301933E+20	0,000000E+00	0,000000E+00	1,301461E+20	1,310135E+21
2483	3,654742E+21	6,535528E+21	8,749948E+21	8,749895E+21	6,535430E+21	3,654642E+21	1,310070E+21	1,301212E+20	0,000000E+00	0,000000E+00	1,301767E+20	1,310310E+21
2484	3,654980E+21	6,535718E+21	8,749937E+21	8,749719E+21	6,535382E+21	3,654778E+21	1,310196E+21	1,301313E+20	0,000000E+00	0,000000E+00	1,300907E+20	1,310058E+21
2485	3,654655E+21	6,535434E+21	8,750092E+21	8,750378E+21	6,536013E+21	3,655046E+21	1,310232E+21	1,301388E+20	0,000000E+00	0,000000E+00	1,301080E+20	1,310121E+21
2486	3,654911E+21	6,535970E+21	8,750577E+21	8,750583E+21	6,535870E+21	3,654747E+21	1,310001E+21	1,300561E+20	0,000000E+00	0,000000E+00	1,301015E+20	1,310199E+21
2487	3,655026E+21	6,535983E+21	8,750335E+21	8,750262E+21	6,535947E+21	3,655027E+21	1,310196E+21	1,300926E+20	0,000000E+00	0,000000E+00	1,300321E+20	1,309972E+21
2488	3,654761E+21	6,535910E+21	8,750781E+21	8,750923E+21	6,536292E+21	3,655045E+21	1,310086E+21	1,300638E+20	0,000000E+00	0,000000E+00	1,300876E+20	1,310156E+21
2489	3,655103E+21	6,536354E+21	8,751012E+21	8,750829E+21	6,535934E+21	3,654775E+21	1,309982E+21	1,300201E+20	0,000000E+00	0,000000E+00	1,300458E+20	1,310083E+21
2490	3,654942E+21	6,536046E+21	8,750653E+21	8,750721E+21	6,536200E+21	3,655081E+21	1,310199E+21	1,300933E+20	0,000000E+00	0,000000E+00	1,300360E+20	1,309970E+21
2491	3,654802E+21	6,536064E+21	8,750934E+21	8,750988E+21	6,536229E+21	3,654890E+21	1,309996E+21	1,300449E+20	0,000000E+00	0,000000E+00	1,301078E+20	1,310216E+21
2492	3,655066E+21	6,536114E+21	8,750586E+21	8,750353E+21	6,535736E+21	3,654824E+21	1,310092E+21	1,300749E+20	0,000000E+00	0,000000E+00	1,300649E+20	1,310077E+21
2493	3,654777E+21	6,535582E+21	8,750104E+21	8,750319E+21	6,535989E+21	3,655064E+21	1,310262E+21	1,301455E+20	0,000000E+00	0,000000E+00	1,301154E+20	1,310106E+21
2494	3,654843E+21	6,535774E+21	8,750221E+21	8,750167E+21	6,535601E+21	3,654678E+21	1,310054E+21	1,301041E+20	0,000000E+00	0,000000E+00	1,301662E+20	1,310294E+21
2495	3,654953E+21	6,535582E+21	8,749610E+21	8,749325E+21	6,535176E+21	3,654770E+21	1,310283E+21	1,301877E+20	0,000000E+00	0,000000E+00	1,301431E+20	1,310106E+21
2496	3,654525E+21	6,534998E+21	8,749396E+21	8,749572E+21	6,535417E+21	3,654854E+21	1,310301E+21	1,302134E+20	0,000000E+00	0,000000E+00	1,302214E+20	1,310277E+21
2497	3,654726E+21	6,535141E+21	8,749262E+21	8,749180E+21	6,534886E+21	3,654493E+21	1,310163E+21	1,301905E+20	0,000000E+00	0,000000E+00	1,302343E+20	1,310343E+21
2498	3,654665E+21	6,534761E+21	8,748572E+21	8,748581E+21	6,534848E+21	3,654763E+21	1,310416E+21	1,302663E+20	0,000000E+00	0,000000E+00	1,302148E+20	1,310192E+21
2499	3,654456E+21	6,534637E+21	8,748751E+21	8,748878E+21	6,534940E+21	3,654640E+21	1,310249E+21	1,302293E+20	0,000000E+00	0,000000E+00	1,302735E+20	1,310413E+21
2500	3,654791E+21	6,534962E+21	8,748743E+21	8,748489E+21	6,534481E+21	3,654467E+21	1,310250E+21	1,302212E+20	0,000000E+00	0,000000E+00	1,302252E+20	1,310284E+21
2501	3,654580E+21	6,534657E+21	8,748568E+21	8,748736E+21	6,534976E+21	3,654800E+21	1,310419E+21	1,302675E+20	0,000000E+00	0,000000E+00	1,302066E+20	1,310180E+21
2502	3,654554E+21	6,534975E+21	8,749187E+21	8,749220E+21	6,535044E+21	3,654564E+21	1,310162E+21	1,301927E+20	0,000000E+00	0,000000E+00	1,302395E+20	1,310377E+21
2503	3,654831E+21	6,535157E+21	8,749104E+21	8,748901E+21	6,534870E+21	3,654660E+21	1,310275E+21	1,301973E+20	0,000000E+00	0,000000E+00	1,301600E+20	1,310152E+21
2504	3,654540E+21	6,534900E+21	8,749260E+21	8,749564E+21	6,535482E+21	3,654907E+21	1,310304E+21	1,302000E+20	0,000000E+00	0,000000E+00	1,301755E+20	1,310205E+21
2505	3,654798E+21	6,535466E+21	8,749742E+21	8,749730E+21	6,535330E+21	3,654609E+21	1,310066E+21	1,301157E+20	0,000000E+00	0,000000E+00	1,301696E+20	1,310279E+21
2506	3,654901E+21	6,535544E+21	8,749667E+21	8,749497E+21	6,535378E+21	3,654855E+21	1,310257E+21	1,301543E+20	0,000000E+00	0,000000E+00	1,300974E+20	1,310052E+21
2507	3,654649E+21	6,535453E+21	8,750060E+21	8,750170E+21	6,535766E+21	3,654892E+21	1,310155E+21	1,301290E+20	0,000000E+00	0,000000E+00	1,301505E+20	1,310214E+21
2508	3,654926E+21	6,535784E+21	8,750195E+21	8,750034E+21	6,535419E+21	3,654645E+21	1,310073E+21	1,300947E+20	0,000000E+00	0,000000E+00	1,301172E+20	1,310171E+21

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°
2509	3,654793E+21	6,535441E+21	8,749740E+21	8,749899E+21	6,535720E+21	3,654966E+21	1,310294E+21	1,301742E+20	0,000000E+00	0,000000E+00	1,301108E+20	1,310053E+21
2510	3,654642E+21	6,535433E+21	8,749946E+21	8,750045E+21	6,535678E+21	3,654786E+21	1,310106E+21	1,301269E+20	0,000000E+00	0,000000E+00	1,301852E+20	1,310315E+21
2511	3,654949E+21	6,535535E+21	8,749611E+21	8,749298E+21	6,535025E+21	3,654640E+21	1,310189E+21	1,301581E+20	0,000000E+00	0,000000E+00	1,301494E+20	1,310180E+21
2512	3,654640E+21	6,535004E+21	8,749195E+21	8,749352E+21	6,535304E+21	3,654867E+21	1,310356E+21	1,302286E+20	0,000000E+00	0,000000E+00	1,301994E+20	1,310189E+21
2513	3,654644E+21	6,535116E+21	8,749259E+21	8,749213E+21	6,534970E+21	3,654512E+21	1,310150E+21	1,301896E+20	0,000000E+00	0,000000E+00	1,302546E+20	1,310384E+21
2514	3,654729E+21	6,534902E+21	8,748681E+21	8,748418E+21	6,534556E+21	3,654592E+21	1,310368E+21	1,302695E+20	0,000000E+00	0,000000E+00	1,302305E+20	1,310218E+21
2515	3,654362E+21	6,534315E+21	8,748345E+21	8,748583E+21	6,534819E+21	3,654706E+21	1,310384E+21	1,302888E+20	0,000000E+00	0,000000E+00	1,303002E+20	1,310372E+21
2516	3,654563E+21	6,534476E+21	8,748212E+21	8,748137E+21	6,534238E+21	3,654345E+21	1,310261E+21	1,302669E+20	0,000000E+00	0,000000E+00	1,303121E+20	1,310448E+21
2517	3,654554E+21	6,534198E+21	8,747623E+21	8,747651E+21	6,534268E+21	3,654612E+21	1,310507E+21	1,303431E+20	0,000000E+00	0,000000E+00	1,302828E+20	1,310262E+21
2518	3,654315E+21	6,534122E+21	8,747928E+21	8,748028E+21	6,534398E+21	3,654521E+21	1,310349E+21	1,303049E+20	0,000000E+00	0,000000E+00	1,303387E+20	1,310483E+21
2519	3,654658E+21	6,534461E+21	8,747972E+21	8,747663E+21	6,533889E+21	3,654299E+21	1,310334E+21	1,302947E+20	0,000000E+00	0,000000E+00	1,302957E+20	1,310367E+21
2520	3,654439E+21	6,534132E+21	8,747813E+21	8,748020E+21	6,534480E+21	3,654649E+21	1,310490E+21	1,303352E+20	0,000000E+00	0,000000E+00	1,302768E+20	1,310263E+21
2521	3,654407E+21	6,534417E+21	8,748342E+21	8,748430E+21	6,534577E+21	3,654461E+21	1,310233E+21	1,302561E+20	0,000000E+00	0,000000E+00	1,303122E+20	1,310469E+21
2522	3,654707E+21	6,534677E+21	8,748358E+21	8,748121E+21	6,534333E+21	3,654513E+21	1,310334E+21	1,302548E+20	0,000000E+00	0,000000E+00	1,302267E+20	1,310249E+21
2523	3,654473E+21	6,534483E+21	8,748512E+21	8,748780E+21	6,534961E+21	3,654766E+21	1,310363E+21	1,302567E+20	0,000000E+00	0,000000E+00	1,302329E+20	1,310259E+21
2524	3,654655E+21	6,534995E+21	8,749020E+21	8,748967E+21	6,534801E+21	3,654472E+21	1,310149E+21	1,301811E+20	0,000000E+00	0,000000E+00	1,302304E+20	1,310337E+21
2525	3,654739E+21	6,535018E+21	8,748908E+21	8,748815E+21	6,534933E+21	3,654732E+21	1,310346E+21	1,302292E+20	0,000000E+00	0,000000E+00	1,301595E+20	1,310100E+21
2526	3,654448E+21	6,534851E+21	8,749206E+21	8,749406E+21	6,535321E+21	3,654807E+21	1,310257E+21	1,302054E+20	0,000000E+00	0,000000E+00	1,302197E+20	1,310294E+21
2527	3,654765E+21	6,535153E+21	8,749217E+21	8,749069E+21	6,534807E+21	3,654499E+21	1,310165E+21	1,301721E+20	0,000000E+00	0,000000E+00	1,301971E+20	1,310282E+21
2528	3,654675E+21	6,534853E+21	8,748778E+21	8,748937E+21	6,535080E+21	3,654793E+21	1,310377E+21	1,302484E+20	0,000000E+00	0,000000E+00	1,301916E+20	1,310154E+21
2529	3,654515E+21	6,534860E+21	8,748987E+21	8,749057E+21	6,535039E+21	3,654624E+21	1,310192E+21	1,302037E+20	0,000000E+00	0,000000E+00	1,302680E+20	1,310407E+21
2530	3,654793E+21	6,535003E+21	8,748795E+21	8,748402E+21	6,534362E+21	3,654443E+21	1,310268E+21	1,302356E+20	0,000000E+00	0,000000E+00	1,302326E+20	1,310280E+21
2531	3,654495E+21	6,534432E+21	8,748311E+21	8,748471E+21	6,534705E+21	3,654698E+21	1,310441E+21	1,303067E+20	0,000000E+00	0,000000E+00	1,302771E+20	1,310263E+21
2532	3,654426E+21	6,534422E+21	8,748272E+21	8,748287E+21	6,534387E+21	3,654374E+21	1,310255E+21	1,302738E+20	0,000000E+00	0,000000E+00	1,303381E+20	1,310487E+21
2533	3,654556E+21	6,534204E+21	8,747612E+21	8,747471E+21	6,534005E+21	3,654468E+21	1,310475E+21	1,303548E+20	0,000000E+00	0,000000E+00	1,303113E+20	1,310314E+21
2534	3,654210E+21	6,533676E+21	8,747289E+21	8,747545E+21	6,534202E+21	3,654585E+21	1,310496E+21	1,303707E+20	0,000000E+00	0,000000E+00	1,303775E+20	1,310474E+21
2535	3,654448E+21	6,533910E+21	8,747234E+21	8,747069E+21	6,533512E+21	3,654150E+21	1,310354E+21	1,303473E+20	0,000000E+00	0,000000E+00	1,303912E+20	1,310547E+21
2536	3,654438E+21	6,533691E+21	8,746803E+21	8,746770E+21	6,533622E+21	3,654410E+21	1,310583E+21	1,304172E+20	0,000000E+00	0,000000E+00	1,303573E+20	1,310338E+21
2537	3,654149E+21	6,533569E+21	8,747113E+21	8,747225E+21	6,533853E+21	3,654368E+21	1,310429E+21	1,303791E+20	0,000000E+00	0,000000E+00	1,304139E+20	1,310558E+21
2538	3,654474E+21	6,533920E+21	8,747235E+21	8,746949E+21	6,533392E+21	3,654148E+21	1,310397E+21	1,303600E+20	0,000000E+00	0,000000E+00	1,303678E+20	1,310461E+21
2539	3,654317E+21	6,533610E+21	8,746997E+21	8,747250E+21	6,534005E+21	3,654534E+21	1,310555E+21	1,303943E+20	0,000000E+00	0,000000E+00	1,303379E+20	1,310328E+21
2540	3,654258E+21	6,533883E+21	8,747514E+21	8,747623E+21	6,534085E+21	3,654362E+21	1,310321E+21	1,303181E+20	0,000000E+00	0,000000E+00	1,303726E+20	1,310538E+21
2541	3,654589E+21	6,534195E+21	8,747576E+21	8,747397E+21	6,533894E+21	3,654404E+21	1,310417E+21	1,303200E+20	0,000000E+00	0,000000E+00	1,302822E+20	1,310295E+21
2542	3,654323E+21	6,534004E+21	8,747751E+21	8,748017E+21	6,534489E+21	3,654671E+21	1,310461E+21	1,303258E+20	0,000000E+00	0,000000E+00	1,302921E+20	1,310318E+21
2543	3,654493E+21	6,534454E+21	8,748213E+21	8,748160E+21	6,534243E+21	3,654317E+21	1,310236E+21	1,302539E+20	0,000000E+00	0,000000E+00	1,303007E+20	1,310423E+21
2544	3,654593E+21	6,534458E+21	8,748074E+21	8,748024E+21	6,534397E+21	3,654567E+21	1,310415E+21	1,302992E+20	0,000000E+00	0,000000E+00	1,302365E+20	1,310199E+21

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	3,654308E+21	6,534260E+21	8,748266E+21	8,748486E+21	6,534750E+21	3,654667E+21	1,310337E+21	1,302768E+20	0,000000E+00	0,000000E+00	1,303021E+20	1,310404E+21
2546	3,654652E+21	6,534656E+21	8,748377E+21	8,748152E+21	6,534163E+21	3,654308E+21	1,310229E+21	1,302403E+20	0,000000E+00	0,000000E+00	1,302777E+20	1,310399E+21
2547	3,654602E+21	6,534395E+21	8,747942E+21	8,748026E+21	6,534453E+21	3,654609E+21	1,310444E+21	1,303166E+20	0,000000E+00	0,000000E+00	1,302643E+20	1,310226E+21
2548	3,654348E+21	6,534307E+21	8,748144E+21	8,748181E+21	6,534438E+21	3,654472E+21	1,310292E+21	1,302828E+20	0,000000E+00	0,000000E+00	1,303441E+20	1,310482E+21
2549	3,654599E+21	6,534361E+21	8,747872E+21	8,747600E+21	6,533858E+21	3,654307E+21	1,310376E+21	1,303231E+20	0,000000E+00	0,000000E+00	1,303106E+20	1,310350E+21
2550	3,654270E+21	6,533728E+21	8,747277E+21	8,747534E+21	6,534173E+21	3,654604E+21	1,310563E+21	1,303938E+20	0,000000E+00	0,000000E+00	1,303584E+20	1,310361E+21
2551	3,654232E+21	6,533683E+21	8,747142E+21	8,747189E+21	6,533698E+21	3,654215E+21	1,310367E+21	1,303614E+20	0,000000E+00	0,000000E+00	1,304249E+20	1,310603E+21
2552	3,654419E+21	6,533560E+21	8,746557E+21	8,746406E+21	6,533300E+21	3,654277E+21	1,310567E+21	1,304351E+20	0,000000E+00	0,000000E+00	1,303950E+20	1,310417E+21
2553	3,654073E+21	6,533095E+21	8,746312E+21	8,746508E+21	6,533518E+21	3,654406E+21	1,310587E+21	1,304501E+20	0,000000E+00	0,000000E+00	1,304577E+20	1,310562E+21
2554	3,654300E+21	6,533419E+21	8,746458E+21	8,746189E+21	6,532865E+21	3,653948E+21	1,310428E+21	1,304216E+20	0,000000E+00	0,000000E+00	1,304681E+20	1,310643E+21
2555	3,654314E+21	6,533197E+21	8,746043E+21	8,746011E+21	6,533100E+21	3,654246E+21	1,310648E+21	1,304851E+20	0,000000E+00	0,000000E+00	1,304250E+20	1,310407E+21
2556	3,653970E+21	6,532990E+21	8,746298E+21	8,746478E+21	6,533390E+21	3,654257E+21	1,310516E+21	1,304499E+20	0,000000E+00	0,000000E+00	1,304841E+20	1,310645E+21
2557	3,654331E+21	6,533333E+21	8,746353E+21	8,746213E+21	6,532987E+21	3,654059E+21	1,310487E+21	1,304289E+20	0,000000E+00	0,000000E+00	1,304321E+20	1,310533E+21
2558	3,654185E+21	6,533100E+21	8,746156E+21	8,746424E+21	6,533531E+21	3,654451E+21	1,310651E+21	1,304597E+20	0,000000E+00	0,000000E+00	1,303985E+20	1,310399E+21
2559	3,654126E+21	6,533376E+21	8,746691E+21	8,746742E+21	6,533493E+21	3,654208E+21	1,310406E+21	1,303861E+20	0,000000E+00	0,000000E+00	1,304362E+20	1,310605E+21
2560	3,654449E+21	6,533712E+21	8,746836E+21	8,746624E+21	6,533345E+21	3,654237E+21	1,310489E+21	1,303857E+20	0,000000E+00	0,000000E+00	1,303481E+20	1,310360E+21
2561	3,654155E+21	6,533466E+21	8,746953E+21	8,747226E+21	6,533973E+21	3,654526E+21	1,310537E+21	1,303950E+20	0,000000E+00	0,000000E+00	1,303644E+20	1,310397E+21
2562	3,654334E+21	6,533933E+21	8,747434E+21	8,747368E+21	6,533712E+21	3,654153E+21	1,310294E+21	1,303176E+20	0,000000E+00	0,000000E+00	1,303757E+20	1,310537E+21
2563	3,654507E+21	6,533965E+21	8,747241E+21	8,747186E+21	6,533857E+21	3,654410E+21	1,310468E+21	1,303582E+20	0,000000E+00	0,000000E+00	1,303049E+20	1,310287E+21
2564	3,654190E+21	6,533749E+21	8,747428E+21	8,747621E+21	6,534185E+21	3,654520E+21	1,310419E+21	1,303436E+20	0,000000E+00	0,000000E+00	1,303716E+20	1,310489E+21
2565	3,654533E+21	6,534144E+21	8,747555E+21	8,747372E+21	6,533671E+21	3,654175E+21	1,310321E+21	1,303157E+20	0,000000E+00	0,000000E+00	1,303448E+20	1,310457E+21
2566	3,654428E+21	6,533860E+21	8,747122E+21	8,747189E+21	6,533923E+21	3,654501E+21	1,310561E+21	1,303983E+20	0,000000E+00	0,000000E+00	1,303365E+20	1,310296E+21
2567	3,654132E+21	6,533632E+21	8,747186E+21	8,747257E+21	6,533833E+21	3,654319E+21	1,310409E+21	1,303728E+20	0,000000E+00	0,000000E+00	1,304263E+20	1,310573E+21
2568	3,654401E+21	6,533659E+21	8,746838E+21	8,746631E+21	6,533257E+21	3,654153E+21	1,310479E+21	1,304100E+20	0,000000E+00	0,000000E+00	1,304012E+20	1,310463E+21
2569	3,654097E+21	6,533020E+21	8,746142E+21	8,746410E+21	6,533495E+21	3,654449E+21	1,310670E+21	1,304796E+20	0,000000E+00	0,000000E+00	1,304502E+20	1,310481E+21
2570	3,654099E+21	6,533099E+21	8,746150E+21	8,746105E+21	6,532956E+21	3,653994E+21	1,310446E+21	1,304402E+20	0,000000E+00	0,000000E+00	1,305127E+20	1,310729E+21
2571	3,654331E+21	6,533052E+21	8,745666E+21	8,745418E+21	6,532605E+21	3,654053E+21	1,310630E+21	1,305074E+20	0,000000E+00	0,000000E+00	1,304710E+20	1,310495E+21
2572	3,653905E+21	6,532533E+21	8,745479E+21	8,745641E+21	6,532908E+21	3,654227E+21	1,310677E+21	1,305288E+20	0,000000E+00	0,000000E+00	1,305328E+20	1,310642E+21
2573	3,654121E+21	6,532809E+21	8,745604E+21	8,745469E+21	6,532427E+21	3,653823E+21	1,310520E+21	1,305013E+20	0,000000E+00	0,000000E+00	1,305395E+20	1,310709E+21
2574	3,654120E+21	6,532583E+21	8,745150E+21	8,745192E+21	6,532650E+21	3,654171E+21	1,310751E+21	1,305589E+20	0,000000E+00	0,000000E+00	1,304950E+20	1,310492E+21
2575	3,653802E+21	6,532351E+21	8,745334E+21	8,745551E+21	6,532829E+21	3,654138E+21	1,310618E+21	1,305231E+20	0,000000E+00	0,000000E+00	1,305535E+20	1,310732E+21
2576	3,654209E+21	6,532799E+21	8,745481E+21	8,745336E+21	6,532433E+21	3,653916E+21	1,310566E+21	1,304936E+20	0,000000E+00	0,000000E+00	1,304995E+20	1,310608E+21
2577	3,654054E+21	6,532605E+21	8,745340E+21	8,745538E+21	6,532964E+21	3,654308E+21	1,310730E+21	1,305250E+20	0,000000E+00	0,000000E+00	1,304643E+20	1,310467E+21
2578	3,653988E+21	6,532939E+21	8,746017E+21	8,745974E+21	6,532930E+21	3,654023E+21	1,310463E+21	1,304473E+20	0,000000E+00	0,000000E+00	1,305026E+20	1,310691E+21
2579	3,654338E+21	6,533261E+21	8,746147E+21	8,745923E+21	6,532859E+21	3,654066E+21	1,310532E+21	1,304427E+20	0,000000E+00	0,000000E+00	1,304106E+20	1,310435E+21
2580	3,654013E+21	6,532950E+21	8,746191E+21	8,746486E+21	6,533504E+21	3,654395E+21	1,310608E+21	1,304584E+20	0,000000E+00	0,000000E+00	1,304332E+20	1,310496E+21

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°
2581	3,654233E+21	6,533412E+21	8,746611E+21	8,746624E+21	6,533281E+21	3,654046E+21	1,310377E+21	1,303849E+20	0,000000E+00	0,000000E+00	1,304408E+20	1,310618E+21
2582	3,654403E+21	6,533505E+21	8,746456E+21	8,746353E+21	6,533347E+21	3,654302E+21	1,310562E+21	1,304274E+20	0,000000E+00	0,000000E+00	1,303710E+20	1,310363E+21
2583	3,654045E+21	6,533215E+21	8,746593E+21	8,746732E+21	6,533583E+21	3,654362E+21	1,310521E+21	1,304228E+20	0,000000E+00	0,000000E+00	1,304421E+20	1,310554E+21
2584	3,654351E+21	6,533562E+21	8,746713E+21	8,746529E+21	6,533109E+21	3,654021E+21	1,310421E+21	1,303980E+20	0,000000E+00	0,000000E+00	1,304239E+20	1,310528E+21
2585	3,654202E+21	6,533173E+21	8,746148E+21	8,746247E+21	6,533346E+21	3,654366E+21	1,310671E+21	1,304854E+20	0,000000E+00	0,000000E+00	1,304235E+20	1,310390E+21
2586	3,653928E+21	6,532949E+21	8,746166E+21	8,746241E+21	6,533189E+21	3,654146E+21	1,310499E+21	1,304547E+20	0,000000E+00	0,000000E+00	1,305157E+20	1,310701E+21
2587	3,654273E+21	6,533022E+21	8,745790E+21	8,745572E+21	6,532590E+21	3,653966E+21	1,310554E+21	1,304851E+20	0,000000E+00	0,000000E+00	1,304841E+20	1,310572E+21
2588	3,653965E+21	6,532418E+21	8,745149E+21	8,745362E+21	6,532803E+21	3,654253E+21	1,310756E+21	1,305575E+20	0,000000E+00	0,000000E+00	1,305311E+20	1,310587E+21
2589	3,653974E+21	6,532519E+21	8,745224E+21	8,745193E+21	6,532365E+21	3,653827E+21	1,310540E+21	1,305224E+20	0,000000E+00	0,000000E+00	1,305869E+20	1,310804E+21
2590	3,654168E+21	6,532504E+21	8,744840E+21	8,744561E+21	6,532044E+21	3,653917E+21	1,310732E+21	1,305872E+20	0,000000E+00	0,000000E+00	1,305450E+20	1,310574E+21
2591	3,653709E+21	6,531885E+21	8,744570E+21	8,744772E+21	6,532339E+21	3,654073E+21	1,310780E+21	1,306134E+20	0,000000E+00	0,000000E+00	1,306094E+20	1,310728E+21
2592	3,653948E+21	6,532174E+21	8,744666E+21	8,744593E+21	6,531916E+21	3,653709E+21	1,310616E+21	1,305788E+20	0,000000E+00	0,000000E+00	1,306193E+20	1,310803E+21
2593	3,653966E+21	6,531976E+21	8,744194E+21	8,744228E+21	6,532082E+21	3,654055E+21	1,310847E+21	1,306316E+20	0,000000E+00	0,000000E+00	1,305708E+20	1,310586E+21
2594	3,653687E+21	6,531867E+21	8,744510E+21	8,744635E+21	6,532207E+21	3,653956E+21	1,310683E+21	1,305871E+20	0,000000E+00	0,000000E+00	1,306228E+20	1,310822E+21
2595	3,654117E+21	6,532368E+21	8,744758E+21	8,744533E+21	6,531870E+21	3,653732E+21	1,310612E+21	1,305500E+20	0,000000E+00	0,000000E+00	1,305595E+20	1,310666E+21
2596	3,653902E+21	6,532124E+21	8,744648E+21	8,744814E+21	6,532448E+21	3,654144E+21	1,310795E+21	1,305875E+20	0,000000E+00	0,000000E+00	1,305267E+20	1,310539E+21
2597	3,653838E+21	6,532397E+21	8,745272E+21	8,745344E+21	6,532552E+21	3,653913E+21	1,310538E+21	1,305136E+20	0,000000E+00	0,000000E+00	1,305632E+20	1,310757E+21
2598	3,654191E+21	6,532740E+21	8,745382E+21	8,745192E+21	6,532439E+21	3,653987E+21	1,310616E+21	1,305067E+20	0,000000E+00	0,000000E+00	1,304735E+20	1,310518E+21
2599	3,653879E+21	6,532391E+21	8,745334E+21	8,745637E+21	6,532967E+21	3,654266E+21	1,310700E+21	1,305292E+20	0,000000E+00	0,000000E+00	1,304987E+20	1,310575E+21
2600	3,654121E+21	6,532918E+21	8,745797E+21	8,745778E+21	6,532757E+21	3,653920E+21	1,310464E+21	1,304555E+20	0,000000E+00	0,000000E+00	1,305097E+20	1,310686E+21
2601	3,654252E+21	6,532980E+21	8,745635E+21	8,745460E+21	6,532777E+21	3,654170E+21	1,310661E+21	1,305041E+20	0,000000E+00	0,000000E+00	1,304452E+20	1,310437E+21
2602	3,653879E+21	6,532679E+21	8,745791E+21	8,745880E+21	6,532986E+21	3,654182E+21	1,310603E+21	1,304991E+20	0,000000E+00	0,000000E+00	1,305210E+20	1,310649E+21
2603	3,654191E+21	6,532962E+21	8,745830E+21	8,745668E+21	6,532546E+21	3,653843E+21	1,310488E+21	1,304721E+20	0,000000E+00	0,000000E+00	1,305052E+20	1,310627E+21
2604	3,654026E+21	6,532500E+21	8,745145E+21	8,745261E+21	6,532728E+21	3,654208E+21	1,310761E+21	1,305639E+20	0,000000E+00	0,000000E+00	1,305112E+20	1,310518E+21
2605	3,653807E+21	6,532292E+21	8,745121E+21	8,745254E+21	6,532591E+21	3,653995E+21	1,310594E+21	1,305354E+20	0,000000E+00	0,000000E+00	1,305965E+20	1,310805E+21
2606	3,654154E+21	6,532465E+21	8,744838E+21	8,744540E+21	6,531923E+21	3,653799E+21	1,310649E+21	1,305649E+20	0,000000E+00	0,000000E+00	1,305630E+20	1,310666E+21
2607	3,653808E+21	6,531814E+21	8,744208E+21	8,744355E+21	6,532103E+21	3,654050E+21	1,310857E+21	1,306445E+20	0,000000E+00	0,000000E+00	1,306090E+20	1,310666E+21
2608	3,653797E+21	6,531911E+21	8,744330E+21	8,744290E+21	6,531773E+21	3,653670E+21	1,310643E+21	1,306099E+20	0,000000E+00	0,000000E+00	1,306692E+20	1,310881E+21
2609	3,653951E+21	6,531823E+21	8,743881E+21	8,743642E+21	6,531483E+21	3,653791E+21	1,310839E+21	1,306723E+20	0,000000E+00	0,000000E+00	1,306296E+20	1,310669E+21
2610	3,653534E+21	6,531257E+21	8,743619E+21	8,743834E+21	6,531745E+21	3,653917E+21	1,310863E+21	1,306884E+20	0,000000E+00	0,000000E+00	1,306895E+20	1,310837E+21
2611	3,653829E+21	6,531609E+21	8,743752E+21	8,743672E+21	6,531338E+21	3,653552E+21	1,310680E+21	1,306428E+20	0,000000E+00	0,000000E+00	1,306897E+20	1,310886E+21
2612	3,653833E+21	6,531449E+21	8,743358E+21	8,743346E+21	6,531498E+21	3,653900E+21	1,310920E+21	1,306949E+20	0,000000E+00	0,000000E+00	1,306366E+20	1,310668E+21
2613	3,653567E+21	6,531357E+21	8,743741E+21	8,743898E+21	6,531728E+21	3,653827E+21	1,310762E+21	1,306534E+20	0,000000E+00	0,000000E+00	1,306801E+20	1,310873E+21
2614	3,653967E+21	6,531892E+21	8,744071E+21	8,743840E+21	6,531413E+21	3,653618E+21	1,310693E+21	1,306150E+20	0,000000E+00	0,000000E+00	1,306188E+20	1,310732E+21
2615	3,653737E+21	6,531563E+21	8,743863E+21	8,744082E+21	6,531967E+21	3,654006E+21	1,310876E+21	1,306586E+20	0,000000E+00	0,000000E+00	1,305912E+20	1,310621E+21
2616	3,653717E+21	6,531868E+21	8,744447E+21	8,744553E+21	6,532096E+21	3,653821E+21	1,310625E+21	1,305825E+20	0,000000E+00	0,000000E+00	1,306338E+20	1,310846E+21

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°
2617	3,654077E+21	6,532229E+21	8,744553E+21	8,744331E+21	6,531906E+21	3,653873E+21	1,310703E+21	1,305747E+20	0,000000E+00	0,000000E+00	1,305447E+20	1,310608E+21
2618	3,653793E+21	6,531973E+21	8,744587E+21	8,744780E+21	6,532360E+21	3,654083E+21	1,310762E+21	1,305940E+20	0,000000E+00	0,000000E+00	1,305681E+20	1,310658E+21
2619	3,654012E+21	6,532468E+21	8,745075E+21	8,744991E+21	6,532206E+21	3,653748E+21	1,310521E+21	1,305192E+20	0,000000E+00	0,000000E+00	1,305767E+20	1,310746E+21
2620	3,654070E+21	6,532420E+21	8,744851E+21	8,744678E+21	6,532231E+21	3,654011E+21	1,310738E+21	1,305763E+20	0,000000E+00	0,000000E+00	1,305216E+20	1,310526E+21
2621	3,653701E+21	6,532008E+21	8,744853E+21	8,745076E+21	6,532508E+21	3,654063E+21	1,310696E+21	1,305770E+20	0,000000E+00	0,000000E+00	1,305961E+20	1,310734E+21
2622	3,654017E+21	6,532314E+21	8,744853E+21	8,744726E+21	6,531986E+21	3,653734E+21	1,310589E+21	1,305492E+20	0,000000E+00	0,000000E+00	1,305840E+20	1,310732E+21
2623	3,653872E+21	6,531833E+21	8,744095E+21	8,744205E+21	6,532037E+21	3,654026E+21	1,310862E+21	1,306476E+20	0,000000E+00	0,000000E+00	1,305903E+20	1,310616E+21
2624	3,653681E+21	6,531710E+21	8,744140E+21	8,744207E+21	6,531923E+21	3,653834E+21	1,310697E+21	1,306202E+20	0,000000E+00	0,000000E+00	1,306771E+20	1,310886E+21
2625	3,653983E+21	6,531866E+21	8,743913E+21	8,743547E+21	6,531256E+21	3,653634E+21	1,310757E+21	1,306526E+20	0,000000E+00	0,000000E+00	1,306462E+20	1,310750E+21
2626	3,653639E+21	6,531238E+21	8,743328E+21	8,743437E+21	6,531452E+21	3,653846E+21	1,310939E+21	1,307273E+20	0,000000E+00	0,000000E+00	1,306928E+20	1,310765E+21
2627	3,653633E+21	6,531290E+21	8,743415E+21	8,743416E+21	6,531219E+21	3,653510E+21	1,310717E+21	1,306872E+20	0,000000E+00	0,000000E+00	1,307520E+20	1,310979E+21
2628	3,653781E+21	6,531168E+21	8,742907E+21	8,742713E+21	6,530903E+21	3,653654E+21	1,310928E+21	1,307471E+20	0,000000E+00	0,000000E+00	1,307136E+20	1,310789E+21
2629	3,653417E+21	6,530641E+21	8,742658E+21	8,742949E+21	6,531203E+21	3,653789E+21	1,310954E+21	1,307616E+20	0,000000E+00	0,000000E+00	1,307596E+20	1,310917E+21
2630	3,653702E+21	6,531102E+21	8,742927E+21	8,742797E+21	6,530768E+21	3,653418E+21	1,310767E+21	1,307112E+20	0,000000E+00	0,000000E+00	1,307552E+20	1,310953E+21
2631	3,653666E+21	6,530888E+21	8,742535E+21	8,742505E+21	6,530903E+21	3,653730E+21	1,311006E+21	1,307683E+20	0,000000E+00	0,000000E+00	1,306996E+20	1,310728E+21
2632	3,653407E+21	6,530821E+21	8,742943E+21	8,743115E+21	6,531233E+21	3,653711E+21	1,310851E+21	1,307269E+20	0,000000E+00	0,000000E+00	1,307477E+20	1,310937E+21
2633	3,653788E+21	6,531310E+21	8,743227E+21	8,743042E+21	6,530933E+21	3,653516E+21	1,310782E+21	1,306859E+20	0,000000E+00	0,000000E+00	1,306897E+20	1,310822E+21
2634	3,653630E+21	6,531073E+21	8,743050E+21	8,743260E+21	6,531427E+21	3,653851E+21	1,310934E+21	1,307204E+20	0,000000E+00	0,000000E+00	1,306611E+20	1,310726E+21
2635	3,653654E+21	6,531438E+21	8,743691E+21	8,743761E+21	6,531566E+21	3,653663E+21	1,310673E+21	1,306385E+20	0,000000E+00	0,000000E+00	1,306983E+20	1,310923E+21
2636	3,653972E+21	6,531786E+21	8,743829E+21	8,743554E+21	6,531359E+21	3,653719E+21	1,310765E+21	1,306339E+20	0,000000E+00	0,000000E+00	1,306108E+20	1,310690E+21
2637	3,653674E+21	6,531486E+21	8,743873E+21	8,744096E+21	6,531892E+21	3,653958E+21	1,310840E+21	1,306598E+20	0,000000E+00	0,000000E+00	1,306287E+20	1,310706E+21
2638	3,653834E+21	6,531943E+21	8,744340E+21	8,744274E+21	6,531729E+21	3,653635E+21	1,310609E+21	1,305895E+20	0,000000E+00	0,000000E+00	1,306436E+20	1,310812E+21
2639	3,653864E+21	6,531754E+21	8,743915E+21	8,743827E+21	6,531687E+21	3,653875E+21	1,310838E+21	1,306574E+20	0,000000E+00	0,000000E+00	1,305973E+20	1,310620E+21
2640	3,653554E+21	6,531375E+21	8,743829E+21	8,744080E+21	6,531933E+21	3,653960E+21	1,310806E+21	1,306598E+20	0,000000E+00	0,000000E+00	1,306783E+20	1,310832E+21
2641	3,653871E+21	6,531688E+21	8,743824E+21	8,743665E+21	6,531315E+21	3,653584E+21	1,310698E+21	1,306340E+20	0,000000E+00	0,000000E+00	1,306685E+20	1,310839E+21
2642	3,653766E+21	6,531312E+21	8,743168E+21	8,743174E+21	6,531297E+21	3,653791E+21	1,310933E+21	1,307268E+20	0,000000E+00	0,000000E+00	1,306738E+20	1,310717E+21
2643	3,653549E+21	6,531167E+21	8,743277E+21	8,743286E+21	6,531257E+21	3,653620E+21	1,310768E+21	1,306987E+20	0,000000E+00	0,000000E+00	1,307585E+20	1,310967E+21
2644	3,653783E+21	6,531224E+21	8,743009E+21	8,742676E+21	6,530653E+21	3,653459E+21	1,310843E+21	1,307343E+20	0,000000E+00	0,000000E+00	1,307341E+20	1,310856E+21
2645	3,653453E+21	6,530538E+21	8,742349E+21	8,742589E+21	6,530941E+21	3,653728E+21	1,311036E+21	1,308085E+20	0,000000E+00	0,000000E+00	1,307723E+20	1,310855E+21
2646	3,653459E+21	6,530644E+21	8,742439E+21	8,742483E+21	6,530667E+21	3,653412E+21	1,310824E+21	1,307649E+20	0,000000E+00	0,000000E+00	1,308291E+20	1,311071E+21
2647	3,653615E+21	6,530512E+21	8,741889E+21	8,741730E+21	6,530277E+21	3,653505E+21	1,311031E+21	1,308262E+20	0,000000E+00	0,000000E+00	1,307860E+20	1,310875E+21
2648	3,653292E+21	6,530092E+21	8,741716E+21	8,741977E+21	6,530613E+21	3,653669E+21	1,311057E+21	1,308391E+20	0,000000E+00	0,000000E+00	1,308291E+20	1,310981E+21
2649	3,653528E+21	6,530542E+21	8,742081E+21	8,741925E+21	6,530188E+21	3,653280E+21	1,310867E+21	1,307873E+20	0,000000E+00	0,000000E+00	1,308255E+20	1,311029E+21
2650	3,653531E+21	6,530395E+21	8,741762E+21	8,741707E+21	6,530320E+21	3,653526E+21	1,311061E+21	1,308355E+20	0,000000E+00	0,000000E+00	1,307705E+20	1,310823E+21
2651	3,653294E+21	6,530329E+21	8,742172E+21	8,742358E+21	6,530733E+21	3,653557E+21	1,310903E+21	1,307879E+20	0,000000E+00	0,000000E+00	1,308179E+20	1,311031E+21
2652	3,653680E+21	6,530820E+21	8,742442E+21	8,742268E+21	6,530430E+21	3,653382E+21	1,310842E+21	1,307439E+20	0,000000E+00	0,000000E+00	1,307606E+20	1,310930E+21

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°
2653	3,653561E+21	6,530628E+21	8,742313E+21	8,742536E+21	6,530948E+21	3,653722E+21	1,310998E+21	1,307788E+20	0,000000E+00	0,000000E+00	1,307197E+20	1,310789E+21
2654	3,653549E+21	6,531041E+21	8,743038E+21	8,743052E+21	6,531084E+21	3,653550E+21	1,310750E+21	1,306988E+20	0,000000E+00	0,000000E+00	1,307545E+20	1,310965E+21
2655	3,653787E+21	6,531254E+21	8,743087E+21	8,742843E+21	6,530850E+21	3,653577E+21	1,310853E+21	1,307057E+20	0,000000E+00	0,000000E+00	1,306721E+20	1,310740E+21
2656	3,653487E+21	6,530907E+21	8,743018E+21	8,743305E+21	6,531429E+21	3,653870E+21	1,310945E+21	1,307381E+20	0,000000E+00	0,000000E+00	1,306996E+20	1,310766E+21
2657	3,653609E+21	6,531260E+21	8,743375E+21	8,743391E+21	6,531209E+21	3,653540E+21	1,310721E+21	1,306703E+20	0,000000E+00	0,000000E+00	1,307223E+20	1,310909E+21
2658	3,653726E+21	6,531154E+21	8,742918E+21	8,742830E+21	6,531027E+21	3,653686E+21	1,310912E+21	1,307321E+20	0,000000E+00	0,000000E+00	1,306799E+20	1,310738E+21
2659	3,653459E+21	6,530841E+21	8,742884E+21	8,743079E+21	6,531257E+21	3,653760E+21	1,310876E+21	1,307315E+20	0,000000E+00	0,000000E+00	1,307582E+20	1,310931E+21
2660	3,653743E+21	6,531144E+21	8,742917E+21	8,742694E+21	6,530642E+21	3,653388E+21	1,310775E+21	1,307100E+20	0,000000E+00	0,000000E+00	1,307523E+20	1,310947E+21
2661	3,653628E+21	6,530740E+21	8,742314E+21	8,742334E+21	6,530704E+21	3,653616E+21	1,311017E+21	1,308056E+20	0,000000E+00	0,000000E+00	1,307513E+20	1,310797E+21
2662	3,653371E+21	6,530571E+21	8,742416E+21	8,742457E+21	6,530707E+21	3,653480E+21	1,310866E+21	1,307809E+20	0,000000E+00	0,000000E+00	1,308389E+20	1,311053E+21
2663	3,653571E+21	6,530497E+21	8,741973E+21	8,741752E+21	6,530079E+21	3,653324E+21	1,310954E+21	1,308225E+20	0,000000E+00	0,000000E+00	1,308197E+20	1,310964E+21
2664	3,653306E+21	6,529885E+21	8,741269E+21	8,741541E+21	6,530354E+21	3,653636E+21	1,311158E+21	1,308947E+20	0,000000E+00	0,000000E+00	1,308562E+20	1,310950E+21
2665	3,653293E+21	6,530010E+21	8,741416E+21	8,741434E+21	6,530007E+21	3,653276E+21	1,310942E+21	1,308494E+20	0,000000E+00	0,000000E+00	1,309086E+20	1,311163E+21
2666	3,653495E+21	6,529988E+21	8,740978E+21	8,740740E+21	6,529576E+21	3,653283E+21	1,311101E+21	1,309000E+20	0,000000E+00	0,000000E+00	1,308617E+20	1,310964E+21
2667	3,653163E+21	6,529587E+21	8,740908E+21	8,741119E+21	6,529996E+21	3,653462E+21	1,311118E+21	1,309079E+20	0,000000E+00	0,000000E+00	1,309008E+20	1,311055E+21
2668	3,653354E+21	6,529971E+21	8,741250E+21	8,741129E+21	6,529652E+21	3,653115E+21	1,310931E+21	1,308545E+20	0,000000E+00	0,000000E+00	1,309007E+20	1,311131E+21
2669	3,653394E+21	6,529839E+21	8,740966E+21	8,740995E+21	6,529872E+21	3,653404E+21	1,311124E+21	1,308967E+20	0,000000E+00	0,000000E+00	1,308346E+20	1,310905E+21
2670	3,653185E+21	6,529864E+21	8,741436E+21	8,741618E+21	6,530265E+21	3,653452E+21	1,310980E+21	1,308479E+20	0,000000E+00	0,000000E+00	1,308776E+20	1,311097E+21
2671	3,653545E+21	6,530317E+21	8,741662E+21	8,741517E+21	6,529941E+21	3,653259E+21	1,310926E+21	1,308086E+20	0,000000E+00	0,000000E+00	1,308174E+20	1,310987E+21
2672	3,653441E+21	6,530191E+21	8,741571E+21	8,741762E+21	6,530491E+21	3,653643E+21	1,311096E+21	1,308477E+20	0,000000E+00	0,000000E+00	1,307777E+20	1,310824E+21
2673	3,653347E+21	6,530502E+21	8,742286E+21	8,742314E+21	6,530607E+21	3,653452E+21	1,310858E+21	1,307727E+20	0,000000E+00	0,000000E+00	1,308179E+20	1,311020E+21
2674	3,653619E+21	6,530707E+21	8,742267E+21	8,742059E+21	6,530321E+21	3,653403E+21	1,310920E+21	1,307758E+20	0,000000E+00	0,000000E+00	1,307459E+20	1,310837E+21
2675	3,653354E+21	6,530344E+21	8,742119E+21	8,742432E+21	6,530882E+21	3,653713E+21	1,311013E+21	1,308060E+20	0,000000E+00	0,000000E+00	1,307795E+20	1,310877E+21
2676	3,653485E+21	6,530679E+21	8,742418E+21	8,742434E+21	6,530596E+21	3,653377E+21	1,310797E+21	1,307398E+20	0,000000E+00	0,000000E+00	1,308070E+20	1,311041E+21
2677	3,653643E+21	6,530638E+21	8,742054E+21	8,741927E+21	6,530402E+21	3,653497E+21	1,310979E+21	1,308016E+20	0,000000E+00	0,000000E+00	1,307548E+20	1,310830E+21
2678	3,653347E+21	6,530372E+21	8,742103E+21	8,742204E+21	6,530634E+21	3,653582E+21	1,310959E+21	1,308057E+20	0,000000E+00	0,000000E+00	1,308310E+20	1,310998E+21
2679	3,653544E+21	6,530527E+21	8,742030E+21	8,741839E+21	6,530052E+21	3,653219E+21	1,310875E+21	1,307960E+20	0,000000E+00	0,000000E+00	1,308304E+20	1,311024E+21
2680	3,653435E+21	6,530093E+21	8,741329E+21	8,741402E+21	6,530175E+21	3,653519E+21	1,311137E+21	1,308958E+20	0,000000E+00	0,000000E+00	1,308350E+20	1,310877E+21
2681	3,653140E+21	6,529830E+21	8,741353E+21	8,741479E+21	6,530136E+21	3,653387E+21	1,311001E+21	1,308725E+20	0,000000E+00	0,000000E+00	1,309244E+20	1,311158E+21
2682	3,653424E+21	6,529848E+21	8,740901E+21	8,740688E+21	6,529393E+21	3,653132E+21	1,311046E+21	1,309046E+20	0,000000E+00	0,000000E+00	1,309069E+20	1,311080E+21
2683	3,653188E+21	6,529312E+21	8,740276E+21	8,740488E+21	6,529665E+21	3,653439E+21	1,311238E+21	1,309693E+20	0,000000E+00	0,000000E+00	1,309363E+20	1,311043E+21
2684	3,653136E+21	6,529432E+21	8,740500E+21	8,740468E+21	6,529348E+21	3,653087E+21	1,311020E+21	1,309230E+20	0,000000E+00	0,000000E+00	1,309875E+20	1,311259E+21
2685	3,653339E+21	6,529429E+21	8,740176E+21	8,739939E+21	6,529002E+21	3,653097E+21	1,311168E+21	1,309697E+20	0,000000E+00	0,000000E+00	1,309299E+20	1,311037E+21
2686	3,653006E+21	6,529060E+21	8,740149E+21	8,740372E+21	6,529497E+21	3,653318E+21	1,311194E+21	1,309772E+20	0,000000E+00	0,000000E+00	1,309672E+20	1,311128E+21
2687	3,653182E+21	6,529368E+21	8,740378E+21	8,740345E+21	6,529185E+21	3,653004E+21	1,311021E+21	1,309267E+20	0,000000E+00	0,000000E+00	1,309689E+20	1,311221E+21
2688	3,653293E+21	6,529343E+21	8,740113E+21	8,740144E+21	6,529406E+21	3,653330E+21	1,311221E+21	1,309665E+20	0,000000E+00	0,000000E+00	1,309000E+20	1,310975E+21

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°
2689	3,653049E+21	6,529374E+21	8,740662E+21	8,740815E+21	6,529756E+21	3,653348E+21	1,311083E+21	1,309184E+20	0,000000E+00	0,000000E+00	1,309395E+20	1,311160E+21
2690	3,653428E+21	6,529868E+21	8,740928E+21	8,740734E+21	6,529388E+21	3,653075E+21	1,310987E+21	1,308721E+20	0,000000E+00	0,000000E+00	1,308819E+20	1,311052E+21
2691	3,653294E+21	6,529712E+21	8,740846E+21	8,741013E+21	6,529975E+21	3,653475E+21	1,311157E+21	1,309105E+20	0,000000E+00	0,000000E+00	1,308463E+20	1,310894E+21
2692	3,653157E+21	6,529904E+21	8,741439E+21	8,741525E+21	6,530113E+21	3,653313E+21	1,310926E+21	1,308381E+20	0,000000E+00	0,000000E+00	1,308942E+20	1,311125E+21
2693	3,653473E+21	6,530120E+21	8,741410E+21	8,741252E+21	6,529819E+21	3,653265E+21	1,310985E+21	1,308392E+20	0,000000E+00	0,000000E+00	1,308175E+20	1,310941E+21
2694	3,653261E+21	6,529853E+21	8,741289E+21	8,741555E+21	6,530308E+21	3,653560E+21	1,311090E+21	1,308717E+20	0,000000E+00	0,000000E+00	1,308492E+20	1,310965E+21
2695	3,653359E+21	6,530138E+21	8,741529E+21	8,741522E+21	6,530002E+21	3,653217E+21	1,310887E+21	1,308147E+20	0,000000E+00	0,000000E+00	1,308774E+20	1,311126E+21
2696	3,653527E+21	6,530147E+21	8,741212E+21	8,741013E+21	6,529838E+21	3,653373E+21	1,311083E+21	1,308821E+20	0,000000E+00	0,000000E+00	1,308281E+20	1,310892E+21
2697	3,653144E+21	6,529769E+21	8,741252E+21	8,741350E+21	6,530061E+21	3,653444E+21	1,311080E+21	1,308943E+20	0,000000E+00	0,000000E+00	1,309083E+20	1,311075E+21
2698	3,653361E+21	6,529880E+21	8,741064E+21	8,740921E+21	6,529461E+21	3,653037E+21	1,310964E+21	1,308820E+20	0,000000E+00	0,000000E+00	1,309186E+20	1,311134E+21
2699	3,653275E+21	6,529443E+21	8,740311E+21	8,740398E+21	6,529558E+21	3,653360E+21	1,311231E+21	1,309770E+20	0,000000E+00	0,000000E+00	1,309267E+20	1,310997E+21
2700	3,652980E+21	6,529151E+21	8,740271E+21	8,740400E+21	6,529460E+21	3,653218E+21	1,311099E+21	1,309540E+20	0,000000E+00	0,000000E+00	1,310146E+20	1,311281E+21
2701	3,653290E+21	6,529253E+21	8,739958E+21	8,739702E+21	6,528730E+21	3,652939E+21	1,311125E+21	1,309803E+20	0,000000E+00	0,000000E+00	1,309846E+20	1,311170E+21
2702	3,653047E+21	6,528784E+21	8,739444E+21	8,739571E+21	6,529019E+21	3,653247E+21	1,311320E+21	1,310445E+20	0,000000E+00	0,000000E+00	1,310069E+20	1,311106E+21
2703	3,652924E+21	6,528780E+21	8,739592E+21	8,739605E+21	6,528781E+21	3,652925E+21	1,311115E+21	1,310045E+20	0,000000E+00	0,000000E+00	1,310594E+20	1,311335E+21
2704	3,653163E+21	6,528818E+21	8,739257E+21	8,739074E+21	6,528527E+21	3,653006E+21	1,311268E+21	1,310483E+20	0,000000E+00	0,000000E+00	1,310022E+20	1,311111E+21
2705	3,652820E+21	6,528437E+21	8,739250E+21	8,739526E+21	6,528995E+21	3,653223E+21	1,311305E+21	1,310545E+20	0,000000E+00	0,000000E+00	1,310369E+20	1,311218E+21
2706	3,653085E+21	6,528853E+21	8,739504E+21	8,739467E+21	6,528631E+21	3,652844E+21	1,311092E+21	1,309933E+20	0,000000E+00	0,000000E+00	1,310384E+20	1,311312E+21
2707	3,653208E+21	6,528916E+21	8,739366E+21	8,739320E+21	6,528862E+21	3,653170E+21	1,311283E+21	1,310257E+20	0,000000E+00	0,000000E+00	1,309657E+20	1,311050E+21
2708	3,652914E+21	6,528898E+21	8,739934E+21	8,740049E+21	6,529234E+21	3,653200E+21	1,311150E+21	1,309794E+20	0,000000E+00	0,000000E+00	1,310055E+20	1,311234E+21
2709	3,653273E+21	6,529376E+21	8,740270E+21	8,740080E+21	6,528924E+21	3,652920E+21	1,311042E+21	1,309307E+20	0,000000E+00	0,000000E+00	1,309436E+20	1,311123E+21
2710	3,653153E+21	6,529220E+21	8,740136E+21	8,740303E+21	6,529516E+21	3,653345E+21	1,311223E+21	1,309722E+20	0,000000E+00	0,000000E+00	1,309107E+20	1,310972E+21
2711	3,653002E+21	6,529310E+21	8,740553E+21	8,740698E+21	6,529634E+21	3,653205E+21	1,311015E+21	1,309072E+20	0,000000E+00	0,000000E+00	1,309632E+20	1,311224E+21
2712	3,653387E+21	6,529629E+21	8,740528E+21	8,740329E+21	6,529295E+21	3,653165E+21	1,311082E+21	1,309123E+20	0,000000E+00	0,000000E+00	1,308869E+20	1,311020E+21
2713	3,653132E+21	6,529352E+21	8,740486E+21	8,740685E+21	6,529725E+21	3,653415E+21	1,311196E+21	1,309507E+20	0,000000E+00	0,000000E+00	1,309182E+20	1,311039E+21
2714	3,653235E+21	6,529628E+21	8,740713E+21	8,740644E+21	6,529380E+21	3,653011E+21	1,310964E+21	1,308933E+20	0,000000E+00	0,000000E+00	1,309536E+20	1,311204E+21
2715	3,653355E+21	6,529571E+21	8,740366E+21	8,740146E+21	6,529246E+21	3,653188E+21	1,311165E+21	1,309611E+20	0,000000E+00	0,000000E+00	1,309127E+20	1,310982E+21
2716	3,652929E+21	6,529062E+21	8,740252E+21	8,740418E+21	6,529493E+21	3,653300E+21	1,311174E+21	1,309761E+20	0,000000E+00	0,000000E+00	1,309978E+20	1,311188E+21
2717	3,653174E+21	6,529188E+21	8,740065E+21	8,739960E+21	6,528865E+21	3,652885E+21	1,311052E+21	1,309609E+20	0,000000E+00	0,000000E+00	1,310037E+20	1,311244E+21
2718	3,653136E+21	6,528836E+21	8,739336E+21	8,739378E+21	6,528906E+21	3,653197E+21	1,311326E+21	1,310551E+20	0,000000E+00	0,000000E+00	1,310054E+20	1,311086E+21
2719	3,652808E+21	6,528491E+21	8,739245E+21	8,739373E+21	6,528819E+21	3,653059E+21	1,311205E+21	1,310382E+20	0,000000E+00	0,000000E+00	1,310904E+20	1,311364E+21
2720	3,653134E+21	6,528662E+21	8,738998E+21	8,738706E+21	6,528128E+21	3,652807E+21	1,311235E+21	1,310659E+20	0,000000E+00	0,000000E+00	1,310603E+20	1,311239E+21
2721	3,652842E+21	6,528145E+21	8,738548E+21	8,738691E+21	6,528430E+21	3,653091E+21	1,311430E+21	1,311309E+20	0,000000E+00	0,000000E+00	1,310821E+20	1,311195E+21
2722	3,652775E+21	6,528158E+21	8,738641E+21	8,738690E+21	6,528196E+21	3,652747E+21	1,311192E+21	1,310831E+20	0,000000E+00	0,000000E+00	1,311413E+20	1,311447E+21
2723	3,653053E+21	6,528271E+21	8,738369E+21	8,738165E+21	6,527950E+21	3,652851E+21	1,311341E+21	1,311159E+20	0,000000E+00	0,000000E+00	1,310834E+20	1,311227E+21
2724	3,652721E+21	6,527922E+21	8,738392E+21	8,738630E+21	6,528413E+21	3,653068E+21	1,311376E+21	1,311197E+20	0,000000E+00	0,000000E+00	1,311112E+20	1,311319E+21

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°
2725	3,652985E+21	6,528421E+21	8,738819E+21	8,738707E+21	6,528104E+21	3,652682E+21	1,311147E+21	1,310517E+20	0,000000E+00	0,000000E+00	1,311001E+20	1,311375E+21
2726	3,653087E+21	6,528504E+21	8,738756E+21	8,738637E+21	6,528368E+21	3,653020E+21	1,311344E+21	1,310845E+20	0,000000E+00	0,000000E+00	1,310217E+20	1,311092E+21
2727	3,652718E+21	6,528317E+21	8,739158E+21	8,739353E+21	6,528805E+21	3,653090E+21	1,311234E+21	1,310472E+20	0,000000E+00	0,000000E+00	1,310649E+20	1,311292E+21
2728	3,653103E+21	6,528806E+21	8,739427E+21	8,739312E+21	6,528527E+21	3,652863E+21	1,311137E+21	1,310003E+20	0,000000E+00	0,000000E+00	1,310075E+20	1,311191E+21
2729	3,652990E+21	6,528644E+21	8,739297E+21	8,739486E+21	6,529011E+21	3,653242E+21	1,311326E+21	1,310452E+20	0,000000E+00	0,000000E+00	1,309767E+20	1,311062E+21
2730	3,652916E+21	6,528799E+21	8,739672E+21	8,739782E+21	6,529041E+21	3,653036E+21	1,311090E+21	1,309771E+20	0,000000E+00	0,000000E+00	1,310336E+20	1,311314E+21
2731	3,653297E+21	6,529181E+21	8,739754E+21	8,739459E+21	6,528695E+21	3,652986E+21	1,311150E+21	1,309794E+20	0,000000E+00	0,000000E+00	1,309606E+20	1,311103E+21
2732	3,652985E+21	6,528819E+21	8,739680E+21	8,739833E+21	6,529130E+21	3,653236E+21	1,311271E+21	1,310239E+20	0,000000E+00	0,000000E+00	1,309951E+20	1,311123E+21
2733	3,653055E+21	6,529052E+21	8,739931E+21	8,739868E+21	6,528850E+21	3,652845E+21	1,311035E+21	1,309674E+20	0,000000E+00	0,000000E+00	1,310301E+20	1,311291E+21
2734	3,653188E+21	6,528967E+21	8,739498E+21	8,739301E+21	6,528707E+21	3,653047E+21	1,311250E+21	1,310383E+20	0,000000E+00	0,000000E+00	1,309937E+20	1,311079E+21
2735	3,652746E+21	6,528344E+21	8,739178E+21	8,739421E+21	6,528918E+21	3,653184E+21	1,311288E+21	1,310605E+20	0,000000E+00	0,000000E+00	1,310804E+20	1,311295E+21
2736	3,653041E+21	6,528567E+21	8,739013E+21	8,738891E+21	6,528250E+21	3,652772E+21	1,311171E+21	1,310480E+20	0,000000E+00	0,000000E+00	1,310855E+20	1,311331E+21
2737	3,652965E+21	6,528219E+21	8,738383E+21	8,738363E+21	6,528220E+21	3,653029E+21	1,311442E+21	1,311434E+20	0,000000E+00	0,000000E+00	1,310836E+20	1,311173E+21
2738	3,652658E+21	6,527871E+21	8,738264E+21	8,738356E+21	6,528121E+21	3,652844E+21	1,311291E+21	1,311236E+20	0,000000E+00	0,000000E+00	1,311722E+20	1,311453E+21
2739	3,652963E+21	6,528042E+21	8,738065E+21	8,737764E+21	6,527492E+21	3,652613E+21	1,311314E+21	1,311450E+20	0,000000E+00	0,000000E+00	1,311469E+20	1,311344E+21
2740	3,652668E+21	6,527481E+21	8,737567E+21	8,737757E+21	6,527839E+21	3,652927E+21	1,311507E+21	1,312068E+20	0,000000E+00	0,000000E+00	1,311666E+20	1,311312E+21
2741	3,652644E+21	6,527595E+21	8,737785E+21	8,737821E+21	6,527634E+21	3,652594E+21	1,311261E+21	1,311511E+20	0,000000E+00	0,000000E+00	1,312160E+20	1,311549E+21
2742	3,652965E+21	6,527811E+21	8,737613E+21	8,737353E+21	6,527402E+21	3,652704E+21	1,311409E+21	1,311782E+20	0,000000E+00	0,000000E+00	1,311471E+20	1,311294E+21
2743	3,652582E+21	6,527411E+21	8,737614E+21	8,737853E+21	6,527920E+21	3,652954E+21	1,311463E+21	1,311867E+20	0,000000E+00	0,000000E+00	1,311684E+20	1,311368E+21
2744	3,652834E+21	6,527939E+21	8,738078E+21	8,737970E+21	6,527670E+21	3,652604E+21	1,311245E+21	1,311219E+20	0,000000E+00	0,000000E+00	1,311570E+20	1,311409E+21
2745	3,652878E+21	6,527938E+21	8,738021E+21	8,737962E+21	6,527924E+21	3,652919E+21	1,311443E+21	1,311572E+20	0,000000E+00	0,000000E+00	1,310820E+20	1,311161E+21
2746	3,652577E+21	6,527732E+21	8,738267E+21	8,738537E+21	6,528312E+21	3,652959E+21	1,311308E+21	1,311166E+20	0,000000E+00	0,000000E+00	1,311352E+20	1,311387E+21
2747	3,652998E+21	6,528282E+21	8,738563E+21	8,738433E+21	6,527966E+21	3,652720E+21	1,311210E+21	1,310643E+20	0,000000E+00	0,000000E+00	1,310834E+20	1,311302E+21
2748	3,652904E+21	6,528155E+21	8,738459E+21	8,738597E+21	6,528407E+21	3,653066E+21	1,311388E+21	1,311099E+20	0,000000E+00	0,000000E+00	1,310507E+20	1,311160E+21
2749	3,652819E+21	6,528378E+21	8,738991E+21	8,738989E+21	6,528454E+21	3,652846E+21	1,311144E+21	1,310405E+20	0,000000E+00	0,000000E+00	1,311015E+20	1,311388E+21
2750	3,653169E+21	6,528726E+21	8,739081E+21	8,738730E+21	6,528149E+21	3,652812E+21	1,311212E+21	1,310466E+20	0,000000E+00	0,000000E+00	1,310287E+20	1,311163E+21
2751	3,652780E+21	6,528182E+21	8,738802E+21	8,739042E+21	6,528645E+21	3,653119E+21	1,311363E+21	1,311010E+20	0,000000E+00	0,000000E+00	1,310681E+20	1,311199E+21
2752	3,652868E+21	6,528392E+21	8,738933E+21	8,738961E+21	6,528374E+21	3,652781E+21	1,311150E+21	1,310507E+20	0,000000E+00	0,000000E+00	1,311082E+20	1,311374E+21
2753	3,652998E+21	6,528286E+21	8,738488E+21	8,738339E+21	6,528107E+21	3,652932E+21	1,311374E+21	1,311250E+20	0,000000E+00	0,000000E+00	1,310747E+20	1,311188E+21
2754	3,652630E+21	6,527705E+21	8,738090E+21	8,738325E+21	6,528220E+21	3,653002E+21	1,311385E+21	1,311449E+20	0,000000E+00	0,000000E+00	1,311635E+20	1,311396E+21
2755	3,652907E+21	6,527987E+21	8,738053E+21	8,737844E+21	6,527529E+21	3,652575E+21	1,311263E+21	1,311294E+20	0,000000E+00	0,000000E+00	1,311726E+20	1,311433E+21
2756	3,652799E+21	6,527597E+21	8,737436E+21	8,737376E+21	6,527516E+21	3,652812E+21	1,311523E+21	1,312251E+20	0,000000E+00	0,000000E+00	1,311694E+20	1,311273E+21
2757	3,652483E+21	6,527274E+21	8,737402E+21	8,737474E+21	6,527504E+21	3,652647E+21	1,311360E+21	1,312013E+20	0,000000E+00	0,000000E+00	1,312539E+20	1,311556E+21
2758	3,652823E+21	6,527466E+21	8,737193E+21	8,736908E+21	6,526934E+21	3,652459E+21	1,311387E+21	1,312182E+20	0,000000E+00	0,000000E+00	1,312258E+20	1,311443E+21
2759	3,652527E+21	6,526871E+21	8,736608E+21	8,736847E+21	6,527299E+21	3,652813E+21	1,311604E+21	1,312822E+20	0,000000E+00	0,000000E+00	1,312392E+20	1,311405E+21
2760	3,652538E+21	6,527089E+21	8,736914E+21	8,736948E+21	6,527134E+21	3,652513E+21	1,311371E+21	1,312278E+20	0,000000E+00	0,000000E+00	1,312819E+20	1,311605E+21

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°
2761	3,652798E+21	6,527294E+21	8,736870E+21	8,736602E+21	6,526877E+21	3,652581E+21	1,311512E+21	1,312530E+20	0,000000E+00	0,000000E+00	1,312088E+20	1,311351E+21
2762	3,652421E+21	6,526843E+21	8,736769E+21	8,737046E+21	6,527385E+21	3,652802E+21	1,311545E+21	1,312596E+20	0,000000E+00	0,000000E+00	1,312336E+20	1,311424E+21
2763	3,652646E+21	6,527356E+21	8,737250E+21	8,737191E+21	6,527165E+21	3,652471E+21	1,311319E+21	1,311879E+20	0,000000E+00	0,000000E+00	1,312297E+20	1,311494E+21
2764	3,652710E+21	6,527329E+21	8,737118E+21	8,737116E+21	6,527387E+21	3,652775E+21	1,311508E+21	1,312207E+20	0,000000E+00	0,000000E+00	1,311548E+20	1,311264E+21
2765	3,652473E+21	6,527254E+21	8,737480E+21	8,737703E+21	6,527757E+21	3,652803E+21	1,311364E+21	1,311748E+20	0,000000E+00	0,000000E+00	1,312021E+20	1,311482E+21
2766	3,652939E+21	6,527894E+21	8,737863E+21	8,737664E+21	6,527428E+21	3,652559E+21	1,311261E+21	1,311211E+20	0,000000E+00	0,000000E+00	1,311446E+20	1,311373E+21
2767	3,652791E+21	6,527700E+21	8,737721E+21	8,737840E+21	6,527902E+21	3,652930E+21	1,311461E+21	1,311743E+20	0,000000E+00	0,000000E+00	1,311114E+20	1,311222E+21
2768	3,652683E+21	6,527902E+21	8,738253E+21	8,738271E+21	6,528006E+21	3,652753E+21	1,311243E+21	1,311145E+20	0,000000E+00	0,000000E+00	1,311650E+20	1,311435E+21
2769	3,652962E+21	6,528133E+21	8,738295E+21	8,738023E+21	6,527675E+21	3,652702E+21	1,311315E+21	1,311261E+20	0,000000E+00	0,000000E+00	1,311014E+20	1,311250E+21
2770	3,652625E+21	6,527527E+21	8,737782E+21	8,738098E+21	6,528083E+21	3,652992E+21	1,311461E+21	1,311818E+20	0,000000E+00	0,000000E+00	1,311506E+20	1,311301E+21
2771	3,652727E+21	6,527777E+21	8,737924E+21	8,737934E+21	6,527717E+21	3,652634E+21	1,311252E+21	1,311303E+20	0,000000E+00	0,000000E+00	1,311971E+20	1,311490E+21
2772	3,652866E+21	6,527676E+21	8,737474E+21	8,737285E+21	6,527389E+21	3,652731E+21	1,311462E+21	1,312063E+20	0,000000E+00	0,000000E+00	1,311620E+20	1,311294E+21
2773	3,652492E+21	6,527170E+21	8,737215E+21	8,737343E+21	6,527510E+21	3,652781E+21	1,311459E+21	1,312233E+20	0,000000E+00	0,000000E+00	1,312446E+20	1,311485E+21
2774	3,652747E+21	6,527413E+21	8,737187E+21	8,736953E+21	6,526888E+21	3,652371E+21	1,311337E+21	1,312088E+20	0,000000E+00	0,000000E+00	1,312525E+20	1,311515E+21
2775	3,652592E+21	6,526906E+21	8,736446E+21	8,736471E+21	6,526955E+21	3,652664E+21	1,311613E+21	1,313068E+20	0,000000E+00	0,000000E+00	1,312496E+20	1,311369E+21
2776	3,652317E+21	6,526623E+21	8,736393E+21	8,736544E+21	6,526977E+21	3,652556E+21	1,311477E+21	1,312871E+20	0,000000E+00	0,000000E+00	1,313319E+20	1,311639E+21
2777	3,652650E+21	6,526837E+21	8,736255E+21	8,736023E+21	6,526375E+21	3,652346E+21	1,311504E+21	1,313010E+20	0,000000E+00	0,000000E+00	1,313012E+20	1,311538E+21
2778	3,652408E+21	6,526295E+21	8,735642E+21	8,735887E+21	6,526700E+21	3,652664E+21	1,311697E+21	1,313595E+20	0,000000E+00	0,000000E+00	1,313112E+20	1,311477E+21
2779	3,652386E+21	6,526559E+21	8,736076E+21	8,736058E+21	6,526530E+21	3,652367E+21	1,311463E+21	1,313004E+20	0,000000E+00	0,000000E+00	1,313554E+20	1,311677E+21
2780	3,652616E+21	6,526708E+21	8,736026E+21	8,735788E+21	6,526311E+21	3,652411E+21	1,311586E+21	1,313219E+20	0,000000E+00	0,000000E+00	1,312804E+20	1,311432E+21
2781	3,652260E+21	6,526317E+21	8,735987E+21	8,736268E+21	6,526862E+21	3,652636E+21	1,311598E+21	1,313219E+20	0,000000E+00	0,000000E+00	1,313033E+20	1,311518E+21
2782	3,652532E+21	6,526853E+21	8,736454E+21	8,736415E+21	6,526667E+21	3,652330E+21	1,311373E+21	1,312453E+20	0,000000E+00	0,000000E+00	1,312974E+20	1,311590E+21
2783	3,652615E+21	6,526843E+21	8,736296E+21	8,736295E+21	6,526875E+21	3,652644E+21	1,311573E+21	1,312795E+20	0,000000E+00	0,000000E+00	1,312182E+20	1,311355E+21
2784	3,652411E+21	6,526870E+21	8,736755E+21	8,736931E+21	6,527269E+21	3,652693E+21	1,311450E+21	1,312406E+20	0,000000E+00	0,000000E+00	1,312606E+20	1,311533E+21
2785	3,652800E+21	6,527464E+21	8,737229E+21	8,737008E+21	6,526950E+21	3,652431E+21	1,311349E+21	1,311903E+20	0,000000E+00	0,000000E+00	1,312039E+20	1,311430E+21
2786	3,652639E+21	6,527168E+21	8,736922E+21	8,737082E+21	6,527401E+21	3,652786E+21	1,311542E+21	1,312473E+20	0,000000E+00	0,000000E+00	1,311791E+20	1,311282E+21
2787	3,652489E+21	6,527303E+21	8,737395E+21	8,737465E+21	6,527493E+21	3,652639E+21	1,311338E+21	1,311888E+20	0,000000E+00	0,000000E+00	1,312438E+20	1,311523E+21
2788	3,652774E+21	6,527465E+21	8,737305E+21	8,737105E+21	6,527101E+21	3,652561E+21	1,311406E+21	1,312025E+20	0,000000E+00	0,000000E+00	1,311853E+20	1,311359E+21
2789	3,652492E+21	6,526968E+21	8,736842E+21	8,737110E+21	6,527437E+21	3,652820E+21	1,311542E+21	1,312550E+20	0,000000E+00	0,000000E+00	1,312313E+20	1,311406E+21
2790	3,652610E+21	6,527248E+21	8,737029E+21	8,736987E+21	6,527074E+21	3,652450E+21	1,311329E+21	1,312041E+20	0,000000E+00	0,000000E+00	1,312740E+20	1,311576E+21
2791	3,652706E+21	6,527087E+21	8,736541E+21	8,736329E+21	6,526753E+21	3,652555E+21	1,311552E+21	1,312862E+20	0,000000E+00	0,000000E+00	1,312386E+20	1,311378E+21
2792	3,652327E+21	6,526573E+21	8,736293E+21	8,736453E+21	6,526941E+21	3,652640E+21	1,311571E+21	1,313114E+20	0,000000E+00	0,000000E+00	1,313209E+20	1,311556E+21
2793	3,652535E+21	6,526746E+21	8,736256E+21	8,736107E+21	6,526344E+21	3,652235E+21	1,311446E+21	1,312980E+20	0,000000E+00	0,000000E+00	1,313354E+20	1,311622E+21
2794	3,652438E+21	6,526218E+21	8,735352E+21	8,735438E+21	6,526339E+21	3,652520E+21	1,311715E+21	1,313920E+20	0,000000E+00	0,000000E+00	1,313362E+20	1,311481E+21
2795	3,652187E+21	6,526025E+21	8,735404E+21	8,735522E+21	6,526317E+21	3,652413E+21	1,311585E+21	1,313684E+20	0,000000E+00	0,000000E+00	1,314188E+20	1,311747E+21
2796	3,652512E+21	6,526259E+21	8,735317E+21	8,735058E+21	6,525721E+21	3,652162E+21	1,311591E+21	1,313777E+20	0,000000E+00	0,000000E+00	1,313816E+20	1,311625E+21

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°
2797	3,652261E+21	6,525807E+21	8,734857E+21	8,735013E+21	6,526082E+21	3,652472E+21	1,311763E+21	1,314280E+20	0,000000E+00	0,000000E+00	1,313824E+20	1,311549E+21
2798	3,652216E+21	6,526020E+21	8,735302E+21	8,735297E+21	6,526007E+21	3,652201E+21	1,311523E+21	1,313654E+20	0,000000E+00	0,000000E+00	1,314221E+20	1,311742E+21
2799	3,652424E+21	6,526091E+21	8,735140E+21	8,734992E+21	6,525841E+21	3,652286E+21	1,311655E+21	1,313853E+20	0,000000E+00	0,000000E+00	1,313461E+20	1,311519E+21
2800	3,652139E+21	6,525784E+21	8,735127E+21	8,735464E+21	6,526404E+21	3,652545E+21	1,311690E+21	1,313889E+20	0,000000E+00	0,000000E+00	1,313647E+20	1,311591E+21
2801	3,652413E+21	6,526374E+21	8,735700E+21	8,735671E+21	6,526189E+21	3,652218E+21	1,311462E+21	1,313107E+20	0,000000E+00	0,000000E+00	1,313575E+20	1,311673E+21
2802	3,652532E+21	6,526402E+21	8,735522E+21	8,735481E+21	6,526350E+21	3,652501E+21	1,311645E+21	1,313440E+20	0,000000E+00	0,000000E+00	1,312787E+20	1,311417E+21
2803	3,652287E+21	6,526448E+21	8,736088E+21	8,736187E+21	6,526737E+21	3,652557E+21	1,311537E+21	1,313080E+20	0,000000E+00	0,000000E+00	1,313271E+20	1,311594E+21
2804	3,652621E+21	6,526922E+21	8,736474E+21	8,736299E+21	6,526463E+21	3,652279E+21	1,311425E+21	1,312603E+20	0,000000E+00	0,000000E+00	1,312746E+20	1,311503E+21
2805	3,652472E+21	6,526645E+21	8,736136E+21	8,736301E+21	6,526900E+21	3,652639E+21	1,311608E+21	1,313148E+20	0,000000E+00	0,000000E+00	1,312548E+20	1,311380E+21
2806	3,652350E+21	6,526732E+21	8,736505E+21	8,736606E+21	6,526964E+21	3,652506E+21	1,311416E+21	1,312572E+20	0,000000E+00	0,000000E+00	1,313199E+20	1,311621E+21
2807	3,652640E+21	6,526880E+21	8,736342E+21	8,736147E+21	6,526515E+21	3,652414E+21	1,311494E+21	1,312754E+20	0,000000E+00	0,000000E+00	1,312628E+20	1,311465E+21
2808	3,652388E+21	6,526452E+21	8,735942E+21	8,736161E+21	6,526828E+21	3,652667E+21	1,311648E+21	1,313367E+20	0,000000E+00	0,000000E+00	1,313055E+20	1,311477E+21
2809	3,652429E+21	6,526661E+21	8,736168E+21	8,736115E+21	6,526470E+21	3,652285E+21	1,311435E+21	1,312901E+20	0,000000E+00	0,000000E+00	1,313515E+20	1,311661E+21
2810	3,652518E+21	6,526414E+21	8,735527E+21	8,735354E+21	6,526127E+21	3,652373E+21	1,311643E+21	1,313723E+20	0,000000E+00	0,000000E+00	1,313231E+20	1,311468E+21
2811	3,652130E+21	6,525890E+21	8,735273E+21	8,735445E+21	6,526296E+21	3,652483E+21	1,311677E+21	1,313978E+20	0,000000E+00	0,000000E+00	1,314121E+20	1,311668E+21
2812	3,652356E+21	6,526038E+21	8,735173E+21	8,735077E+21	6,525702E+21	3,652072E+21	1,311546E+21	1,313825E+20	0,000000E+00	0,000000E+00	1,314258E+20	1,311738E+21
2813	3,652315E+21	6,525675E+21	8,734412E+21	8,734421E+21	6,525672E+21	3,652333E+21	1,311794E+21	1,314668E+20	0,000000E+00	0,000000E+00	1,314190E+20	1,311587E+21
2814	3,652066E+21	6,525503E+21	8,734550E+21	8,734613E+21	6,525702E+21	3,652239E+21	1,311663E+21	1,314402E+20	0,000000E+00	0,000000E+00	1,314913E+20	1,311820E+21
2815	3,652341E+21	6,525691E+21	8,734463E+21	8,734200E+21	6,525163E+21	3,652008E+21	1,311674E+21	1,314488E+20	0,000000E+00	0,000000E+00	1,314511E+20	1,311698E+21
2816	3,652095E+21	6,525245E+21	8,734028E+21	8,734230E+21	6,525597E+21	3,652348E+21	1,311858E+21	1,315027E+20	0,000000E+00	0,000000E+00	1,314467E+20	1,311608E+21
2817	3,652021E+21	6,525412E+21	8,734467E+21	8,734551E+21	6,525562E+21	3,652097E+21	1,311615E+21	1,314378E+20	0,000000E+00	0,000000E+00	1,314893E+20	1,311833E+21
2818	3,652297E+21	6,525507E+21	8,734200E+21	8,734088E+21	6,525314E+21	3,652161E+21	1,311736E+21	1,314534E+20	0,000000E+00	0,000000E+00	1,314146E+20	1,311613E+21
2819	3,652052E+21	6,525331E+21	8,734344E+21	8,734598E+21	6,525822E+21	3,652404E+21	1,311779E+21	1,314565E+20	0,000000E+00	0,000000E+00	1,314342E+20	1,311678E+21
2820	3,652307E+21	6,525923E+21	8,734970E+21	8,734892E+21	6,525650E+21	3,652056E+21	1,311535E+21	1,313771E+20	0,000000E+00	0,000000E+00	1,314231E+20	1,311739E+21
2821	3,652410E+21	6,526014E+21	8,734905E+21	8,734765E+21	6,525830E+21	3,652326E+21	1,311698E+21	1,314049E+20	0,000000E+00	0,000000E+00	1,313434E+20	1,311484E+21
2822	3,652131E+21	6,525954E+21	8,735401E+21	8,735526E+21	6,526293E+21	3,652415E+21	1,311596E+21	1,313699E+20	0,000000E+00	0,000000E+00	1,313916E+20	1,311657E+21
2823	3,652433E+21	6,526318E+21	8,735612E+21	8,735519E+21	6,526021E+21	3,652172E+21	1,311500E+21	1,313251E+20	0,000000E+00	0,000000E+00	1,313445E+20	1,311595E+21
2824	3,652339E+21	6,526073E+21	8,735235E+21	8,735444E+21	6,526414E+21	3,652545E+21	1,311712E+21	1,313880E+20	0,000000E+00	0,000000E+00	1,313241E+20	1,311460E+21
2825	3,652206E+21	6,526166E+21	8,735630E+21	8,735746E+21	6,526432E+21	3,652383E+21	1,311517E+21	1,313328E+20	0,000000E+00	0,000000E+00	1,313905E+20	1,311710E+21
2826	3,652506E+21	6,526302E+21	8,735379E+21	8,735144E+21	6,525881E+21	3,652247E+21	1,311587E+21	1,313549E+20	0,000000E+00	0,000000E+00	1,313383E+20	1,311549E+21
2827	3,652234E+21	6,525896E+21	8,735077E+21	8,735203E+21	6,526151E+21	3,652486E+21	1,311751E+21	1,314201E+20	0,000000E+00	0,000000E+00	1,313879E+20	1,311566E+21
2828	3,652235E+21	6,526000E+21	8,735217E+21	8,735187E+21	6,525848E+21	3,652094E+21	1,311526E+21	1,313762E+20	0,000000E+00	0,000000E+00	1,314382E+20	1,311762E+21
2829	3,652355E+21	6,525816E+21	8,734586E+21	8,734379E+21	6,525494E+21	3,652185E+21	1,311715E+21	1,314505E+20	0,000000E+00	0,000000E+00	1,314134E+20	1,311592E+21
2830	3,652003E+21	6,525291E+21	8,734307E+21	8,734471E+21	6,525676E+21	3,652315E+21	1,311758E+21	1,314744E+20	0,000000E+00	0,000000E+00	1,314964E+20	1,311776E+21
2831	3,652222E+21	6,525444E+21	8,734194E+21	8,734078E+21	6,525089E+21	3,651914E+21	1,311637E+21	1,314601E+20	0,000000E+00	0,000000E+00	1,315069E+20	1,311838E+21
2832	3,652187E+21	6,525132E+21	8,733545E+21	8,733524E+21	6,525094E+21	3,652190E+21	1,311900E+21	1,315483E+20	0,000000E+00	0,000000E+00	1,314904E+20	1,311647E+21

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°
2833	3,651861E+21	6,524890E+21	8,733717E+21	8,733820E+21	6,525175E+21	3,652102E+21	1,311769E+21	1,315223E+20	0,000000E+00	0,000000E+00	1,315606E+20	1,311885E+21
2834	3,652124E+21	6,525000E+21	8,733480E+21	8,733291E+21	6,524621E+21	3,651871E+21	1,311767E+21	1,315280E+20	0,000000E+00	0,000000E+00	1,315248E+20	1,311777E+21
2835	3,651911E+21	6,524609E+21	8,733093E+21	8,733297E+21	6,525013E+21	3,652220E+21	1,311956E+21	1,315785E+20	0,000000E+00	0,000000E+00	1,315235E+20	1,311707E+21
2836	3,651877E+21	6,524802E+21	8,733519E+21	8,733629E+21	6,524994E+21	3,651955E+21	1,311700E+21	1,315091E+20	0,000000E+00	0,000000E+00	1,315626E+20	1,311930E+21
2837	3,652220E+21	6,525098E+21	8,733446E+21	8,733228E+21	6,524734E+21	3,651982E+21	1,311787E+21	1,315124E+20	0,000000E+00	0,000000E+00	1,314823E+20	1,311706E+21
2838	3,651979E+21	6,524950E+21	8,733697E+21	8,733868E+21	6,525303E+21	3,652237E+21	1,311830E+21	1,315146E+20	0,000000E+00	0,000000E+00	1,314940E+20	1,311740E+21
2839	3,652174E+21	6,525470E+21	8,734299E+21	8,734216E+21	6,525208E+21	3,651925E+21	1,311601E+21	1,314372E+20	0,000000E+00	0,000000E+00	1,314836E+20	1,311805E+21
2840	3,652269E+21	6,525524E+21	8,734226E+21	8,734138E+21	6,525434E+21	3,652218E+21	1,311778E+21	1,314716E+20	0,000000E+00	0,000000E+00	1,314046E+20	1,311545E+21
2841	3,651955E+21	6,525373E+21	8,734605E+21	8,734822E+21	6,525890E+21	3,652334E+21	1,311688E+21	1,314390E+20	0,000000E+00	0,000000E+00	1,314581E+20	1,311742E+21
2842	3,652288E+21	6,525713E+21	8,734653E+21	8,734585E+21	6,525484E+21	3,652060E+21	1,311591E+21	1,313961E+20	0,000000E+00	0,000000E+00	1,314171E+20	1,311689E+21
2843	3,652230E+21	6,525567E+21	8,734372E+21	8,734462E+21	6,525753E+21	3,652388E+21	1,311810E+21	1,314635E+20	0,000000E+00	0,000000E+00	1,314017E+20	1,311552E+21
2844	3,652067E+21	6,525609E+21	8,734748E+21	8,734807E+21	6,525797E+21	3,652200E+21	1,311606E+21	1,314118E+20	0,000000E+00	0,000000E+00	1,314671E+20	1,311788E+21
2845	3,652358E+21	6,525793E+21	8,734567E+21	8,734245E+21	6,525239E+21	3,652031E+21	1,311649E+21	1,314301E+20	0,000000E+00	0,000000E+00	1,314194E+20	1,311643E+21
2846	3,652065E+21	6,525290E+21	8,734198E+21	8,734342E+21	6,525566E+21	3,652292E+21	1,311818E+21	1,314961E+20	0,000000E+00	0,000000E+00	1,314687E+20	1,311660E+21
2847	3,652051E+21	6,525322E+21	8,734214E+21	8,734235E+21	6,525282E+21	3,651953E+21	1,311614E+21	1,314547E+20	0,000000E+00	0,000000E+00	1,315227E+20	1,311875E+21
2848	3,652219E+21	6,525188E+21	8,733618E+21	8,733437E+21	6,524914E+21	3,652055E+21	1,311825E+21	1,315334E+20	0,000000E+00	0,000000E+00	1,314936E+20	1,311684E+21
2849	3,651848E+21	6,524685E+21	8,733377E+21	8,733558E+21	6,525112E+21	3,652189E+21	1,311870E+21	1,315582E+20	0,000000E+00	0,000000E+00	1,315716E+20	1,311857E+21
2850	3,652045E+21	6,524809E+21	8,733203E+21	8,733070E+21	6,524470E+21	3,651775E+21	1,311747E+21	1,315459E+20	0,000000E+00	0,000000E+00	1,315840E+20	1,311911E+21
2851	3,651997E+21	6,524516E+21	8,732646E+21	8,732573E+21	6,524449E+21	3,652039E+21	1,312014E+21	1,316338E+20	0,000000E+00	0,000000E+00	1,315702E+20	1,311729E+21
2852	3,651654E+21	6,524187E+21	8,732727E+21	8,732910E+21	6,524606E+21	3,651947E+21	1,311863E+21	1,316053E+20	0,000000E+00	0,000000E+00	1,316399E+20	1,311977E+21
2853	3,651977E+21	6,524420E+21	8,732540E+21	8,732340E+21	6,524021E+21	3,651700E+21	1,311831E+21	1,315973E+20	0,000000E+00	0,000000E+00	1,316059E+20	1,311900E+21
2854	3,651831E+21	6,524106E+21	8,732243E+21	8,732409E+21	6,524420E+21	3,652041E+21	1,312012E+21	1,316411E+20	0,000000E+00	0,000000E+00	1,315953E+20	1,311811E+21
2855	3,651805E+21	6,524365E+21	8,732746E+21	8,732782E+21	6,524435E+21	3,651797E+21	1,311764E+21	1,315707E+20	0,000000E+00	0,000000E+00	1,316294E+20	1,312017E+21
2856	3,652137E+21	6,524701E+21	8,732823E+21	8,732561E+21	6,524258E+21	3,651845E+21	1,311860E+21	1,315758E+20	0,000000E+00	0,000000E+00	1,315397E+20	1,311753E+21
2857	3,651821E+21	6,524484E+21	8,733079E+21	8,733288E+21	6,524912E+21	3,652129E+21	1,311906E+21	1,315797E+20	0,000000E+00	0,000000E+00	1,315500E+20	1,311784E+21
2858	3,651976E+21	6,524870E+21	8,733462E+21	8,733465E+21	6,524784E+21	3,651834E+21	1,311683E+21	1,315052E+20	0,000000E+00	0,000000E+00	1,315463E+20	1,311866E+21
2859	3,652094E+21	6,524941E+21	8,733381E+21	8,733303E+21	6,524920E+21	3,652127E+21	1,311877E+21	1,315419E+20	0,000000E+00	0,000000E+00	1,314752E+20	1,311631E+21
2860	3,651808E+21	6,524764E+21	8,733670E+21	8,733930E+21	6,525347E+21	3,652210E+21	1,311781E+21	1,315110E+20	0,000000E+00	0,000000E+00	1,315285E+20	1,311823E+21
2861	3,652183E+21	6,525250E+21	8,733829E+21	8,733663E+21	6,524862E+21	3,651880E+21	1,311654E+21	1,314620E+20	0,000000E+00	0,000000E+00	1,314908E+20	1,311786E+21
2862	3,652128E+21	6,525104E+21	8,733615E+21	8,733618E+21	6,525136E+21	3,652187E+21	1,311869E+21	1,315313E+20	0,000000E+00	0,000000E+00	1,314731E+20	1,311631E+21
2863	3,651917E+21	6,525065E+21	8,733923E+21	8,733961E+21	6,525221E+21	3,652028E+21	1,311681E+21	1,314850E+20	0,000000E+00	0,000000E+00	1,315429E+20	1,311878E+21
2864	3,652202E+21	6,525194E+21	8,733721E+21	8,733462E+21	6,524727E+21	3,651885E+21	1,311736E+21	1,315099E+20	0,000000E+00	0,000000E+00	1,314975E+20	1,311732E+21
2865	3,651895E+21	6,524645E+21	8,733258E+21	8,733482E+21	6,525054E+21	3,652178E+21	1,311916E+21	1,315775E+20	0,000000E+00	0,000000E+00	1,315492E+20	1,311761E+21
2866	3,651893E+21	6,524646E+21	8,733135E+21	8,733178E+21	6,524662E+21	3,651831E+21	1,311729E+21	1,315417E+20	0,000000E+00	0,000000E+00	1,316071E+20	1,311978E+21
2867	3,652080E+21	6,524600E+21	8,732665E+21	8,732390E+21	6,524212E+21	3,651902E+21	1,311946E+21	1,316228E+20	0,000000E+00	0,000000E+00	1,315810E+20	1,311780E+21
2868	3,651671E+21	6,524027E+21	8,732386E+21	8,732567E+21	6,524459E+21	3,652022E+21	1,311980E+21	1,316478E+20	0,000000E+00	0,000000E+00	1,316536E+20	1,311932E+21

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°
2869	3,651857E+21	6,524205E+21	8,732271E+21	8,732102E+21	6,523810E+21	3,651576E+21	1,311823E+21	1,316259E+20	0,000000E+00	0,000000E+00	1,316700E+20	1,312013E+21
2870	3,651823E+21	6,523870E+21	8,731693E+21	8,731644E+21	6,523829E+21	3,651846E+21	1,312078E+21	1,317070E+20	0,000000E+00	0,000000E+00	1,316506E+20	1,311833E+21
2871	3,651505E+21	6,523551E+21	8,731724E+21	8,731940E+21	6,524013E+21	3,651800E+21	1,311939E+21	1,316753E+20	0,000000E+00	0,000000E+00	1,317176E+20	1,312090E+21
2872	3,651888E+21	6,523895E+21	8,731693E+21	8,731506E+21	6,523473E+21	3,651552E+21	1,311908E+21	1,316651E+20	0,000000E+00	0,000000E+00	1,316739E+20	1,311985E+21
2873	3,651735E+21	6,523658E+21	8,731513E+21	8,731663E+21	6,523927E+21	3,651908E+21	1,312086E+21	1,317065E+20	0,000000E+00	0,000000E+00	1,316545E+20	1,311873E+21
2874	3,651669E+21	6,523885E+21	8,731997E+21	8,732007E+21	6,523940E+21	3,651688E+21	1,311853E+21	1,316398E+20	0,000000E+00	0,000000E+00	1,316885E+20	1,312065E+21
2875	3,651974E+21	6,524220E+21	8,732157E+21	8,731866E+21	6,523766E+21	3,651733E+21	1,311952E+21	1,316461E+20	0,000000E+00	0,000000E+00	1,316034E+20	1,311809E+21
2876	3,651631E+21	6,523885E+21	8,732257E+21	8,732573E+21	6,524485E+21	3,652030E+21	1,311993E+21	1,316502E+20	0,000000E+00	0,000000E+00	1,316149E+20	1,311847E+21
2877	3,651830E+21	6,524347E+21	8,732619E+21	8,732632E+21	6,524273E+21	3,651708E+21	1,311746E+21	1,315668E+20	0,000000E+00	0,000000E+00	1,316186E+20	1,311966E+21
2878	3,652000E+21	6,524451E+21	8,732560E+21	8,732457E+21	6,524344E+21	3,651958E+21	1,311934E+21	1,316023E+20	0,000000E+00	0,000000E+00	1,315448E+20	1,311727E+21
2879	3,651721E+21	6,524300E+21	8,732850E+21	8,733056E+21	6,524761E+21	3,652049E+21	1,311850E+21	1,315750E+20	0,000000E+00	0,000000E+00	1,315981E+20	1,311910E+21
2880	3,652072E+21	6,524775E+21	8,733114E+21	8,732928E+21	6,524323E+21	3,651717E+21	1,311731E+21	1,315328E+20	0,000000E+00	0,000000E+00	1,315583E+20	1,311852E+21
2881	3,651964E+21	6,524562E+21	8,732854E+21	8,732903E+21	6,524648E+21	3,652041E+21	1,311945E+21	1,316054E+20	0,000000E+00	0,000000E+00	1,315435E+20	1,311701E+21
2882	3,651716E+21	6,524399E+21	8,732947E+21	8,733054E+21	6,524682E+21	3,651913E+21	1,311781E+21	1,315668E+20	0,000000E+00	0,000000E+00	1,316210E+20	1,311968E+21
2883	3,652033E+21	6,524551E+21	8,732742E+21	8,732485E+21	6,524114E+21	3,651769E+21	1,311851E+21	1,315954E+20	0,000000E+00	0,000000E+00	1,315840E+20	1,311837E+21
2884	3,651740E+21	6,523980E+21	8,732208E+21	8,732469E+21	6,524434E+21	3,652042E+21	1,312029E+21	1,316636E+20	0,000000E+00	0,000000E+00	1,316319E+20	1,311852E+21
2885	3,651761E+21	6,524097E+21	8,732170E+21	8,732134E+21	6,523972E+21	3,651652E+21	1,311817E+21	1,316228E+20	0,000000E+00	0,000000E+00	1,316931E+20	1,312080E+21
2886	3,651936E+21	6,524029E+21	8,731768E+21	8,731450E+21	6,523536E+21	3,651698E+21	1,312027E+21	1,317017E+20	0,000000E+00	0,000000E+00	1,316634E+20	1,311875E+21
2887	3,651501E+21	6,523397E+21	8,731426E+21	8,731623E+21	6,523828E+21	3,651839E+21	1,312064E+21	1,317271E+20	0,000000E+00	0,000000E+00	1,317358E+20	1,312031E+21
2888	3,651685E+21	6,523547E+21	8,731336E+21	8,731244E+21	6,523248E+21	3,651421E+21	1,311910E+21	1,317050E+20	0,000000E+00	0,000000E+00	1,317497E+20	1,312112E+21
2889	3,651679E+21	6,523264E+21	8,730758E+21	8,730764E+21	6,523285E+21	3,651707E+21	1,312157E+21	1,317795E+20	0,000000E+00	0,000000E+00	1,317246E+20	1,311930E+21
2890	3,651380E+21	6,522981E+21	8,730762E+21	8,730951E+21	6,523400E+21	3,651664E+21	1,312036E+21	1,317516E+20	0,000000E+00	0,000000E+00	1,317885E+20	1,312174E+21
2891	3,651779E+21	6,523433E+21	8,730924E+21	8,730647E+21	6,522883E+21	3,651417E+21	1,312007E+21	1,317405E+20	0,000000E+00	0,000000E+00	1,317427E+20	1,312049E+21
2892	3,651576E+21	6,523138E+21	8,730756E+21	8,730931E+21	6,523433E+21	3,651776E+21	1,312176E+21	1,317806E+20	0,000000E+00	0,000000E+00	1,317169E+20	1,311917E+21
2893	3,651495E+21	6,523384E+21	8,731248E+21	8,731267E+21	6,523446E+21	3,651548E+21	1,311920E+21	1,317059E+20	0,000000E+00	0,000000E+00	1,317572E+20	1,312137E+21
2894	3,651804E+21	6,523657E+21	8,731363E+21	8,731143E+21	6,523289E+21	3,651593E+21	1,312009E+21	1,317057E+20	0,000000E+00	0,000000E+00	1,316713E+20	1,311896E+21
2895	3,651496E+21	6,523323E+21	8,731357E+21	8,731724E+21	6,523973E+21	3,651912E+21	1,312062E+21	1,317096E+20	0,000000E+00	0,000000E+00	1,316836E+20	1,311942E+21
2896	3,651726E+21	6,523845E+21	8,731829E+21	8,731869E+21	6,523767E+21	3,651574E+21	1,311819E+21	1,316280E+20	0,000000E+00	0,000000E+00	1,316825E+20	1,312045E+21
2897	3,651901E+21	6,524014E+21	8,731831E+21	8,731709E+21	6,523842E+21	3,651815E+21	1,312000E+21	1,316649E+20	0,000000E+00	0,000000E+00	1,316060E+20	1,311793E+21
2898	3,651581E+21	6,523800E+21	8,732049E+21	8,732219E+21	6,524204E+21	3,651915E+21	1,311943E+21	1,316484E+20	0,000000E+00	0,000000E+00	1,316642E+20	1,311976E+21
2899	3,651916E+21	6,524253E+21	8,732337E+21	8,732133E+21	6,523781E+21	3,651583E+21	1,311828E+21	1,316125E+20	0,000000E+00	0,000000E+00	1,316339E+20	1,311936E+21
2900	3,651787E+21	6,523925E+21	8,731917E+21	8,732057E+21	6,524135E+21	3,651916E+21	1,312040E+21	1,316860E+20	0,000000E+00	0,000000E+00	1,316228E+20	1,311794E+21
2901	3,651585E+21	6,523829E+21	8,731978E+21	8,732067E+21	6,524056E+21	3,651761E+21	1,311865E+21	1,316431E+20	0,000000E+00	0,000000E+00	1,317086E+20	1,312089E+21
2902	3,651928E+21	6,524005E+21	8,731811E+21	8,731511E+21	6,523435E+21	3,651570E+21	1,311929E+21	1,316713E+20	0,000000E+00	0,000000E+00	1,316704E+20	1,311949E+21
2903	3,651621E+21	6,523428E+21	8,731257E+21	8,731463E+21	6,523764E+21	3,651864E+21	1,312119E+21	1,317422E+20	0,000000E+00	0,000000E+00	1,317153E+20	1,311944E+21
2904	3,651589E+21	6,523492E+21	8,731311E+21	8,731293E+21	6,523367E+21	3,651476E+21	1,311911E+21	1,317059E+20	0,000000E+00	0,000000E+00	1,317720E+20	1,312154E+21

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°
2905	3,651728E+21	6,523367E+21	8,730829E+21	8,730593E+21	6,522978E+21	3,651536E+21	1,312115E+21	1,317834E+20	0,000000E+00	0,000000E+00	1,317412E+20	1,311953E+21
2906	3,651281E+21	6,522661E+21	8,730328E+21	8,730593E+21	6,523221E+21	3,651713E+21	1,312175E+21	1,318126E+20	0,000000E+00	0,000000E+00	1,318147E+20	1,312124E+21
2907	3,651519E+21	6,522900E+21	8,730321E+21	8,730223E+21	6,522616E+21	3,651294E+21	1,312024E+21	1,317899E+20	0,000000E+00	0,000000E+00	1,318308E+20	1,312211E+21
2908	3,651537E+21	6,522663E+21	8,729790E+21	8,729815E+21	6,522695E+21	3,651564E+21	1,312254E+21	1,318582E+20	0,000000E+00	0,000000E+00	1,317967E+20	1,312008E+21
2909	3,651272E+21	6,522527E+21	8,729950E+21	8,730048E+21	6,522785E+21	3,651495E+21	1,312113E+21	1,318232E+20	0,000000E+00	0,000000E+00	1,318617E+20	1,312257E+21
2910	3,651649E+21	6,522960E+21	8,730207E+21	8,729910E+21	6,522340E+21	3,651238E+21	1,312071E+21	1,318057E+20	0,000000E+00	0,000000E+00	1,318116E+20	1,312124E+21
2911	3,651423E+21	6,522613E+21	8,729976E+21	8,730199E+21	6,522959E+21	3,651638E+21	1,312242E+21	1,318438E+20	0,000000E+00	0,000000E+00	1,317847E+20	1,311995E+21
2912	3,651332E+21	6,522818E+21	8,730480E+21	8,730599E+21	6,523024E+21	3,651440E+21	1,311992E+21	1,317681E+20	0,000000E+00	0,000000E+00	1,318225E+20	1,312217E+21
2913	3,651677E+21	6,523139E+21	8,730557E+21	8,730393E+21	6,522841E+21	3,651482E+21	1,312077E+21	1,317638E+20	0,000000E+00	0,000000E+00	1,317339E+20	1,311979E+21
2914	3,651389E+21	6,522836E+21	8,730500E+21	8,730821E+21	6,523416E+21	3,651790E+21	1,312151E+21	1,317758E+20	0,000000E+00	0,000000E+00	1,317468E+20	1,312019E+21
2915	3,651624E+21	6,523420E+21	8,731101E+21	8,731049E+21	6,523213E+21	3,651442E+21	1,311912E+21	1,316993E+20	0,000000E+00	0,000000E+00	1,317486E+20	1,312111E+21
2916	3,651751E+21	6,523512E+21	8,731081E+21	8,730968E+21	6,523342E+21	3,651670E+21	1,312081E+21	1,317376E+20	0,000000E+00	0,000000E+00	1,316717E+20	1,311853E+21
2917	3,651431E+21	6,523295E+21	8,731251E+21	8,731401E+21	6,523650E+21	3,651747E+21	1,312014E+21	1,317201E+20	0,000000E+00	0,000000E+00	1,317407E+20	1,312068E+21
2918	3,651763E+21	6,523676E+21	8,731472E+21	8,731313E+21	6,523238E+21	3,651420E+21	1,311896E+21	1,316821E+20	0,000000E+00	0,000000E+00	1,317136E+20	1,312043E+21
2919	3,651659E+21	6,523343E+21	8,730959E+21	8,731114E+21	6,523543E+21	3,651767E+21	1,312122E+21	1,317575E+20	0,000000E+00	0,000000E+00	1,317043E+20	1,311900E+21
2920	3,651450E+21	6,523254E+21	8,731097E+21	8,731195E+21	6,523469E+21	3,651609E+21	1,311960E+21	1,317198E+20	0,000000E+00	0,000000E+00	1,317847E+20	1,312172E+21
2921	3,651776E+21	6,523453E+21	8,730944E+21	8,730638E+21	6,522866E+21	3,651418E+21	1,312021E+21	1,317496E+20	0,000000E+00	0,000000E+00	1,317454E+20	1,312019E+21
2922	3,651418E+21	6,522788E+21	8,730276E+21	8,730468E+21	6,523128E+21	3,651718E+21	1,312237E+21	1,318304E+20	0,000000E+00	0,000000E+00	1,317931E+20	1,312019E+21
2923	3,651375E+21	6,522810E+21	8,730322E+21	8,730335E+21	6,522768E+21	3,651337E+21	1,312030E+21	1,317989E+20	0,000000E+00	0,000000E+00	1,318566E+20	1,312244E+21
2924	3,651519E+21	6,522627E+21	8,729739E+21	8,729603E+21	6,522395E+21	3,651397E+21	1,312219E+21	1,318711E+20	0,000000E+00	0,000000E+00	1,318256E+20	1,312058E+21
2925	3,651153E+21	6,522054E+21	8,729276E+21	8,729500E+21	6,522516E+21	3,651526E+21	1,312263E+21	1,318928E+20	0,000000E+00	0,000000E+00	1,319027E+20	1,312250E+21
2926	3,651425E+21	6,522376E+21	8,729417E+21	8,729252E+21	6,521940E+21	3,651083E+21	1,312095E+21	1,318631E+20	0,000000E+00	0,000000E+00	1,319132E+20	1,312320E+21
2927	3,651435E+21	6,522180E+21	8,728967E+21	8,728919E+21	6,522079E+21	3,651381E+21	1,312323E+21	1,319272E+20	0,000000E+00	0,000000E+00	1,318724E+20	1,312094E+21
2928	3,651117E+21	6,522011E+21	8,729252E+21	8,729367E+21	6,522283E+21	3,651341E+21	1,312189E+21	1,318929E+20	0,000000E+00	0,000000E+00	1,319292E+20	1,312320E+21
2929	3,651471E+21	6,522408E+21	8,729441E+21	8,729235E+21	6,521930E+21	3,651118E+21	1,312138E+21	1,318691E+20	0,000000E+00	0,000000E+00	1,318755E+20	1,312187E+21
2930	3,651235E+21	6,522001E+21	8,729062E+21	8,729341E+21	6,522481E+21	3,651552E+21	1,312335E+21	1,319111E+20	0,000000E+00	0,000000E+00	1,318485E+20	1,312072E+21
2931	3,651194E+21	6,522274E+21	8,729619E+21	8,729744E+21	6,522525E+21	3,651347E+21	1,312090E+21	1,318372E+20	0,000000E+00	0,000000E+00	1,318871E+20	1,312291E+21
2932	3,651550E+21	6,522629E+21	8,729729E+21	8,729571E+21	6,522342E+21	3,651360E+21	1,312161E+21	1,318302E+20	0,000000E+00	0,000000E+00	1,317938E+20	1,312048E+21
2933	3,651301E+21	6,522441E+21	8,729780E+21	8,729980E+21	6,522828E+21	3,651617E+21	1,312221E+21	1,318408E+20	0,000000E+00	0,000000E+00	1,318136E+20	1,312099E+21
2934	3,651510E+21	6,522987E+21	8,730440E+21	8,730332E+21	6,522671E+21	3,651252E+21	1,311973E+21	1,317639E+20	0,000000E+00	0,000000E+00	1,318177E+20	1,312195E+21
2935	3,651614E+21	6,523003E+21	8,730310E+21	8,730211E+21	6,522845E+21	3,651515E+21	1,312142E+21	1,318030E+20	0,000000E+00	0,000000E+00	1,317458E+20	1,311946E+21
2936	3,651279E+21	6,522732E+21	8,730466E+21	8,730675E+21	6,523181E+21	3,651617E+21	1,312089E+21	1,317886E+20	0,000000E+00	0,000000E+00	1,318141E+20	1,312160E+21
2937	3,651634E+21	6,523126E+21	8,730598E+21	8,730473E+21	6,522732E+21	3,651288E+21	1,311976E+21	1,317519E+20	0,000000E+00	0,000000E+00	1,317866E+20	1,312127E+21
2938	3,651511E+21	6,522771E+21	8,730011E+21	8,730118E+21	6,522928E+21	3,651636E+21	1,312236E+21	1,318385E+20	0,000000E+00	0,000000E+00	1,317792E+20	1,311979E+21
2939	3,651281E+21	6,522672E+21	8,730201E+21	8,730256E+21	6,522869E+21	3,651476E+21	1,312083E+21	1,318098E+20	0,000000E+00	0,000000E+00	1,318625E+20	1,312236E+21
2940	3,651548E+21	6,522764E+21	8,729970E+21	8,729719E+21	6,522292E+21	3,651271E+21	1,312133E+21	1,318404E+20	0,000000E+00	0,000000E+00	1,318263E+20	1,312099E+21

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°
2941	3,651224E+21	6,522114E+21	8,729233E+21	8,729417E+21	6,522454E+21	3,651530E+21	1,312330E+21	1,319165E+20	0,000000E+00	0,000000E+00	1,318834E+20	1,312136E+21
2942	3,651208E+21	6,522122E+21	8,729261E+21	8,729290E+21	6,522092E+21	3,651140E+21	1,312111E+21	1,318790E+20	0,000000E+00	0,000000E+00	1,319477E+20	1,312375E+21
2943	3,651401E+21	6,522008E+21	8,728693E+21	8,728532E+21	6,521713E+21	3,651206E+21	1,312293E+21	1,319450E+20	0,000000E+00	0,000000E+00	1,319124E+20	1,312179E+21
2944	3,651042E+21	6,521520E+21	8,728434E+21	8,728615E+21	6,521896E+21	3,651338E+21	1,312340E+21	1,319666E+20	0,000000E+00	0,000000E+00	1,319778E+20	1,312339E+21
2945	3,651305E+21	6,521893E+21	8,728650E+21	8,728460E+21	6,521415E+21	3,650931E+21	1,312173E+21	1,319340E+20	0,000000E+00	0,000000E+00	1,319814E+20	1,312383E+21
2946	3,651256E+21	6,521629E+21	8,728163E+21	8,728102E+21	6,521556E+21	3,651259E+21	1,312425E+21	1,320028E+20	0,000000E+00	0,000000E+00	1,319388E+20	1,312158E+21
2947	3,650930E+21	6,521421E+21	8,728428E+21	8,728601E+21	6,521839E+21	3,651255E+21	1,312295E+21	1,319712E+20	0,000000E+00	0,000000E+00	1,319967E+20	1,312384E+21
2948	3,651280E+21	6,521777E+21	8,728533E+21	8,728428E+21	6,521494E+21	3,651036E+21	1,312232E+21	1,319398E+20	0,000000E+00	0,000000E+00	1,319420E+20	1,312269E+21
2949	3,651134E+21	6,521504E+21	8,728183E+21	8,728385E+21	6,521875E+21	3,651397E+21	1,312411E+21	1,319766E+20	0,000000E+00	0,000000E+00	1,319190E+20	1,312173E+21
2950	3,651114E+21	6,521832E+21	8,728861E+21	8,728906E+21	6,521943E+21	3,651162E+21	1,312152E+21	1,318986E+20	0,000000E+00	0,000000E+00	1,319548E+20	1,312379E+21
2951	3,651455E+21	6,522204E+21	8,729030E+21	8,728802E+21	6,521797E+21	3,651181E+21	1,312213E+21	1,318903E+20	0,000000E+00	0,000000E+00	1,318603E+20	1,312122E+21
2952	3,651154E+21	6,521968E+21	8,729161E+21	8,729358E+21	6,522351E+21	3,651448E+21	1,312281E+21	1,319057E+20	0,000000E+00	0,000000E+00	1,318780E+20	1,312166E+21
2953	3,651352E+21	6,522460E+21	8,729704E+21	8,729662E+21	6,522267E+21	3,651136E+21	1,312037E+21	1,318273E+20	0,000000E+00	0,000000E+00	1,318819E+20	1,312263E+21
2954	3,651439E+21	6,522405E+21	8,729418E+21	8,729341E+21	6,522342E+21	3,651419E+21	1,312239E+21	1,318743E+20	0,000000E+00	0,000000E+00	1,318154E+20	1,312031E+21
2955	3,651137E+21	6,522160E+21	8,729556E+21	8,729774E+21	6,522662E+21	3,651522E+21	1,312201E+21	1,318676E+20	0,000000E+00	0,000000E+00	1,318853E+20	1,312230E+21
2956	3,651468E+21	6,522534E+21	8,729677E+21	8,729565E+21	6,522198E+21	3,651172E+21	1,312081E+21	1,318324E+20	0,000000E+00	0,000000E+00	1,318596E+20	1,312203E+21
2957	3,651371E+21	6,522221E+21	8,729102E+21	8,729105E+21	6,522245E+21	3,651452E+21	1,312332E+21	1,319207E+20	0,000000E+00	0,000000E+00	1,318624E+20	1,312077E+21
2958	3,651115E+21	6,522052E+21	8,729285E+21	8,729327E+21	6,522222E+21	3,651269E+21	1,312168E+21	1,318913E+20	0,000000E+00	0,000000E+00	1,319491E+20	1,312344E+21
2959	3,651377E+21	6,522094E+21	8,728953E+21	8,728724E+21	6,521657E+21	3,651081E+21	1,312208E+21	1,319200E+20	0,000000E+00	0,000000E+00	1,319181E+20	1,312224E+21
2960	3,651071E+21	6,521467E+21	8,728275E+21	8,728458E+21	6,521811E+21	3,651341E+21	1,312407E+21	1,319945E+20	0,000000E+00	0,000000E+00	1,319701E+20	1,312259E+21
2961	3,651107E+21	6,521561E+21	8,728314E+21	8,728307E+21	6,521464E+21	3,650966E+21	1,312190E+21	1,319543E+20	0,000000E+00	0,000000E+00	1,320272E+20	1,312473E+21
2962	3,651276E+21	6,521467E+21	8,727787E+21	8,727536E+21	6,521064E+21	3,651047E+21	1,312395E+21	1,320248E+20	0,000000E+00	0,000000E+00	1,319881E+20	1,312260E+21
2963	3,650893E+21	6,520987E+21	8,727620E+21	8,727774E+21	6,521356E+21	3,651210E+21	1,312451E+21	1,320526E+20	0,000000E+00	0,000000E+00	1,320487E+20	1,312390E+21
2964	3,651085E+21	6,521259E+21	8,727785E+21	8,727680E+21	6,520959E+21	3,650829E+21	1,312280E+21	1,320171E+20	0,000000E+00	0,000000E+00	1,320516E+20	1,312444E+21
2965	3,651066E+21	6,520997E+21	8,727240E+21	8,727203E+21	6,521005E+21	3,651127E+21	1,312515E+21	1,320783E+20	0,000000E+00	0,000000E+00	1,320146E+20	1,312253E+21
2966	3,650773E+21	6,520798E+21	8,727506E+21	8,727717E+21	6,521278E+21	3,651104E+21	1,312374E+21	1,320393E+20	0,000000E+00	0,000000E+00	1,320704E+20	1,312482E+21
2967	3,651162E+21	6,521225E+21	8,727628E+21	8,727509E+21	6,520916E+21	3,650882E+21	1,312296E+21	1,320009E+20	0,000000E+00	0,000000E+00	1,320126E+20	1,312364E+21
2968	3,651031E+21	6,521062E+21	8,727499E+21	8,727627E+21	6,521326E+21	3,651223E+21	1,312465E+21	1,320359E+20	0,000000E+00	0,000000E+00	1,319805E+20	1,312248E+21
2969	3,651020E+21	6,521431E+21	8,728215E+21	8,728209E+21	6,521467E+21	3,651016E+21	1,312209E+21	1,319574E+20	0,000000E+00	0,000000E+00	1,320116E+20	1,312432E+21
2970	3,651304E+21	6,521720E+21	8,728333E+21	8,728097E+21	6,521333E+21	3,651059E+21	1,312292E+21	1,319561E+20	0,000000E+00	0,000000E+00	1,319204E+20	1,312188E+21
2971	3,651004E+21	6,521442E+21	8,728404E+21	8,728670E+21	6,521959E+21	3,651363E+21	1,312372E+21	1,319787E+20	0,000000E+00	0,000000E+00	1,319425E+20	1,312230E+21
2972	3,651184E+21	6,521867E+21	8,728832E+21	8,728872E+21	6,521845E+21	3,651065E+21	1,312135E+21	1,318994E+20	0,000000E+00	0,000000E+00	1,319502E+20	1,312347E+21
2973	3,651338E+21	6,521890E+21	8,728533E+21	8,728372E+21	6,521715E+21	3,651265E+21	1,312325E+21	1,319469E+20	0,000000E+00	0,000000E+00	1,318935E+20	1,312136E+21
2974	3,651032E+21	6,521647E+21	8,728713E+21	8,728858E+21	6,522024E+21	3,651334E+21	1,312282E+21	1,319407E+20	0,000000E+00	0,000000E+00	1,319637E+20	1,312319E+21
2975	3,651317E+21	6,521975E+21	8,728810E+21	8,728649E+21	6,521573E+21	3,650988E+21	1,312157E+21	1,319075E+20	0,000000E+00	0,000000E+00	1,319421E+20	1,312295E+21
2976	3,651182E+21	6,521614E+21	8,728276E+21	8,728267E+21	6,521639E+21	3,651255E+21	1,312405E+21	1,319985E+20	0,000000E+00	0,000000E+00	1,319441E+20	1,312175E+21

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°
2977	3,650949E+21	6,521408E+21	8,728319E+21	8,728409E+21	6,521656E+21	3,651114E+21	1,312246E+21	1,319681E+20	0,000000E+00	0,000000E+00	1,320285E+20	1,312439E+21
2978	3,651206E+21	6,521418E+21	8,727904E+21	8,727682E+21	6,521018E+21	3,650936E+21	1,312311E+21	1,320021E+20	0,000000E+00	0,000000E+00	1,319998E+20	1,312331E+21
2979	3,650942E+21	6,520863E+21	8,727285E+21	8,727467E+21	6,521209E+21	3,651202E+21	1,312518E+21	1,320818E+20	0,000000E+00	0,000000E+00	1,320472E+20	1,312337E+21
2980	3,650942E+21	6,520967E+21	8,727392E+21	8,727380E+21	6,520902E+21	3,650848E+21	1,312305E+21	1,320414E+20	0,000000E+00	0,000000E+00	1,321025E+20	1,312548E+21
2981	3,651125E+21	6,520907E+21	8,726912E+21	8,726581E+21	6,520404E+21	3,650876E+21	1,312497E+21	1,321099E+20	0,000000E+00	0,000000E+00	1,320697E+20	1,312350E+21
2982	3,650715E+21	6,520367E+21	8,726743E+21	8,726931E+21	6,520784E+21	3,651041E+21	1,312542E+21	1,321330E+20	0,000000E+00	0,000000E+00	1,321286E+20	1,312478E+21
2983	3,650898E+21	6,520598E+21	8,726822E+21	8,726788E+21	6,520424E+21	3,650693E+21	1,312355E+21	1,320897E+20	0,000000E+00	0,000000E+00	1,321338E+20	1,312548E+21
2984	3,650908E+21	6,520394E+21	8,726360E+21	8,726330E+21	6,520424E+21	3,650966E+21	1,312582E+21	1,321440E+20	0,000000E+00	0,000000E+00	1,320887E+20	1,312361E+21
2985	3,650690E+21	6,520304E+21	8,726654E+21	8,726839E+21	6,520718E+21	3,650954E+21	1,312436E+21	1,320998E+20	0,000000E+00	0,000000E+00	1,321337E+20	1,312557E+21
2986	3,651052E+21	6,520764E+21	8,726862E+21	8,726667E+21	6,520349E+21	3,650734E+21	1,312373E+21	1,320648E+20	0,000000E+00	0,000000E+00	1,320734E+20	1,312432E+21
2987	3,650914E+21	6,520624E+21	8,726821E+21	8,726941E+21	6,520867E+21	3,651095E+21	1,312546E+21	1,321062E+20	0,000000E+00	0,000000E+00	1,320390E+20	1,312292E+21
2988	3,650845E+21	6,520912E+21	8,727494E+21	8,727556E+21	6,521078E+21	3,650929E+21	1,312297E+21	1,320276E+20	0,000000E+00	0,000000E+00	1,320731E+20	1,312495E+21
2989	3,651160E+21	6,521180E+21	8,727518E+21	8,727290E+21	6,520821E+21	3,650934E+21	1,312367E+21	1,320232E+20	0,000000E+00	0,000000E+00	1,319919E+20	1,312283E+21
2990	3,650887E+21	6,520901E+21	8,727563E+21	8,727848E+21	6,521425E+21	3,651222E+21	1,312445E+21	1,320430E+20	0,000000E+00	0,000000E+00	1,320143E+20	1,312321E+21
2991	3,651068E+21	6,521342E+21	8,727963E+21	8,727986E+21	6,521283E+21	3,650923E+21	1,312204E+21	1,319638E+20	0,000000E+00	0,000000E+00	1,320235E+20	1,312434E+21
2992	3,651204E+21	6,521409E+21	8,727807E+21	8,727569E+21	6,521123E+21	3,651089E+21	1,312394E+21	1,320147E+20	0,000000E+00	0,000000E+00	1,319651E+20	1,312221E+21
2993	3,650907E+21	6,521143E+21	8,727927E+21	8,728047E+21	6,521470E+21	3,651178E+21	1,312359E+21	1,320118E+20	0,000000E+00	0,000000E+00	1,320326E+20	1,312383E+21
2994	3,651124E+21	6,521354E+21	8,727919E+21	8,727781E+21	6,521008E+21	3,650846E+21	1,312255E+21	1,319883E+20	0,000000E+00	0,000000E+00	1,320189E+20	1,312386E+21
2995	3,651016E+21	6,520969E+21	8,727303E+21	8,727375E+21	6,521113E+21	3,651131E+21	1,312507E+21	1,320851E+20	0,000000E+00	0,000000E+00	1,320240E+20	1,312264E+21
2996	3,650782E+21	6,520745E+21	8,727281E+21	8,727414E+21	6,521077E+21	3,651003E+21	1,312361E+21	1,320551E+20	0,000000E+00	0,000000E+00	1,321100E+20	1,312543E+21
2997	3,651094E+21	6,520830E+21	8,726895E+21	8,726596E+21	6,520293E+21	3,650750E+21	1,312412E+21	1,320883E+20	0,000000E+00	0,000000E+00	1,320879E+20	1,312444E+21
2998	3,650821E+21	6,520306E+21	8,726387E+21	8,726508E+21	6,520527E+21	3,650999E+21	1,312608E+21	1,321650E+20	0,000000E+00	0,000000E+00	1,321318E+20	1,312426E+21
2999	3,650763E+21	6,520346E+21	8,726472E+21	8,726454E+21	6,520282E+21	3,650682E+21	1,312396E+21	1,321249E+20	0,000000E+00	0,000000E+00	1,321885E+20	1,312634E+21