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	2,301516E+22	2,492996E+22	2,575370E+22	2,575351E+22	2,492935E+22	2,301417E+22	2,007773E+22	1,690701E+22	1,479500E+22	1,479522E+22	1,690737E+22	2,007780E+22
-2999	2,301372E+22	2,492834E+22	2,575242E+22	2,575310E+22	2,492965E+22	2,301486E+22	2,007856E+22	1,690773E+22	1,479544E+22	1,479533E+22	1,690738E+22	2,007794E+22
-2998	2,301434E+22	2,492952E+22	2,575326E+22	2,575329E+22	2,492962E+22	2,301470E+22	2,007836E+22	1,690772E+22	1,479570E+22	1,479584E+22	1,690823E+22	2,007900E+22
-2997	2,301486E+22	2,492936E+22	2,575285E+22	2,575271E+22	2,492910E+22	2,301457E+22	2,007853E+22	1,690796E+22	1,479591E+22	1,479580E+22	1,690757E+22	2,007788E+22
-2996	2,301376E+22	2,492844E+22	2,575240E+22	2,575256E+22	2,492890E+22	2,301449E+22	2,007888E+22	1,690867E+22	1,479670E+22	1,479649E+22	1,690817E+22	2,007853E+22
-2995	2,301487E+22	2,492980E+22	2,575336E+22	2,575307E+22	2,492893E+22	2,301400E+22	2,007824E+22	1,690832E+22	1,479676E+22	1,479695E+22	1,690884E+22	2,007884E+22
-2994	2,301427E+22	2,492870E+22	2,575239E+22	2,575260E+22	2,492907E+22	2,301447E+22	2,007862E+22	1,690849E+22	1,479679E+22	1,479673E+22	1,690825E+22	2,007809E+22
-2993	2,301373E+22	2,492871E+22	2,575287E+22	2,575288E+22	2,492903E+22	2,301437E+22	2,007865E+22	1,690862E+22	1,479697E+22	1,479703E+22	1,690893E+22	2,007938E+22
-2992	2,301531E+22	2,492972E+22	2,575322E+22	2,575302E+22	2,492902E+22	2,301417E+22	2,007827E+22	1,690817E+22	1,479663E+22	1,479690E+22	1,690869E+22	2,007860E+22
-2991	2,301407E+22	2,492842E+22	2,575209E+22	2,575247E+22	2,492913E+22	2,301476E+22	2,007901E+22	1,690872E+22	1,479673E+22	1,479647E+22	1,690801E+22	2,007808E+22
-2990	2,301415E+22	2,492942E+22	2,575330E+22	2,575310E+22	2,492925E+22	2,301450E+22	2,007865E+22	1,690849E+22	1,479670E+22	1,479664E+22	1,690853E+22	2,007903E+22
-2989	2,301490E+22	2,492948E+22	2,575320E+22	2,575306E+22	2,492914E+22	2,301434E+22	2,007837E+22	1,690809E+22	1,479632E+22	1,479628E+22	1,690785E+22	2,007782E+22
-2988	2,301353E+22	2,492816E+22	2,575223E+22	2,575273E+22	2,492924E+22	2,301462E+22	2,007871E+22	1,690835E+22	1,479634E+22	1,479621E+22	1,690799E+22	2,007829E+22
-2987	2,301447E+22	2,492952E+22	2,575324E+22	2,575317E+22	2,492930E+22	2,301434E+22	2,007821E+22	1,690778E+22	1,479587E+22	1,479606E+22	1,690838E+22	2,007897E+22
-2986	2,301454E+22	2,492886E+22	2,575244E+22	2,575261E+22	2,492918E+22	2,301461E+22	2,007843E+22	1,690770E+22	1,479552E+22	1,479540E+22	1,690731E+22	2,007782E+22
-2985	2,301387E+22	2,492878E+22	2,575277E+22	2,575273E+22	2,492899E+22	2,301440E+22	2,007841E+22	1,690781E+22	1,479559E+22	1,479547E+22	1,690762E+22	2,007865E+22
-2984	2,301534E+22	2,493020E+22	2,575364E+22	2,575322E+22	2,492902E+22	2,301398E+22	2,007778E+22	1,690725E+22	1,479533E+22	1,479556E+22	1,690772E+22	2,007814E+22
-2983	2,301410E+22	2,492885E+22	2,575252E+22	2,575274E+22	2,492923E+22	2,301452E+22	2,007834E+22	1,690765E+22	1,479544E+22	1,479529E+22	1,690719E+22	2,007758E+22
-2982	2,301374E+22	2,492917E+22	2,575334E+22	2,575335E+22	2,492951E+22	2,301448E+22	2,007819E+22	1,690764E+22	1,479565E+22	1,479569E+22	1,690792E+22	2,007887E+22
-2981	2,301501E+22	2,492957E+22	2,575330E+22	2,575329E+22	2,492940E+22	2,301441E+22	2,007809E+22	1,690749E+22	1,479559E+22	1,479574E+22	1,690771E+22	2,007806E+22
-2980	2,301384E+22	2,492819E+22	2,575196E+22	2,575248E+22	2,492918E+22	2,301471E+22	2,007877E+22	1,690826E+22	1,479613E+22	1,479598E+22	1,690780E+22	2,007815E+22
-2979	2,301436E+22	2,492950E+22	2,575316E+22	2,575292E+22	2,492905E+22	2,301436E+22	2,007857E+22	1,690836E+22	1,479648E+22	1,479649E+22	1,690854E+22	2,007903E+22
-2978	2,301470E+22	2,492916E+22	2,575274E+22	2,575259E+22	2,492887E+22	2,301435E+22	2,007862E+22	1,690849E+22	1,479677E+22	1,479668E+22	1,690810E+22	2,007790E+22
-2977	2,301352E+22	2,492836E+22	2,575248E+22	2,575255E+22	2,492876E+22	2,301425E+22	2,007874E+22	1,690888E+22	1,479726E+22	1,479719E+22	1,690873E+22	2,007878E+22
-2976	2,301480E+22	2,492965E+22	2,575331E+22	2,575309E+22	2,492898E+22	2,301402E+22	2,007823E+22	1,690845E+22	1,479722E+22	1,479760E+22	1,690935E+22	2,007907E+22
-2975	2,301421E+22	2,492842E+22	2,575207E+22	2,575233E+22	2,492894E+22	2,301451E+22	2,007884E+22	1,690888E+22	1,479731E+22	1,479728E+22	1,690868E+22	2,007836E+22
-2974	2,301377E+22	2,492851E+22	2,575253E+22	2,575272E+22	2,492911E+22	2,301452E+22	2,007889E+22	1,690903E+22	1,479746E+22	1,479740E+22	1,690904E+22	2,007937E+22
-2973	2,301529E+22	2,492969E+22	2,575312E+22	2,575286E+22	2,492895E+22	2,301429E+22	2,007861E+22	1,690872E+22	1,479726E+22	1,479734E+22	1,690883E+22	2,007856E+22
-2972	2,301395E+22	2,492832E+22	2,575197E+22	2,575217E+22	2,492874E+22	2,301448E+22	2,007907E+22	1,690914E+22	1,479738E+22	1,479713E+22	1,690844E+22	2,007812E+22
-2971	2,301384E+22	2,492906E+22	2,575317E+22	2,575300E+22	2,492898E+22	2,301427E+22	2,007871E+22	1,690888E+22	1,479725E+22	1,479723E+22	1,690895E+22	2,007916E+22
-2970	2,301467E+22	2,492902E+22	2,575280E+22	2,575286E+22	2,492910E+22	2,301437E+22	2,007847E+22	1,690836E+22	1,479681E+22	1,479690E+22	1,690837E+22	2,007807E+22
-2969	2,301353E+22	2,492805E+22	2,575200E+22	2,575234E+22	2,492893E+22	2,301447E+22	2,007869E+22	1,690844E+22	1,479657E+22	1,479651E+22	1,690828E+22	2,007858E+22
-2968	2,301474E+22	2,492963E+22	2,575316E+22	2,575290E+22	2,492903E+22	2,301421E+22	2,007821E+22	1,690794E+22	1,479620E+22	1,479641E+22	1,690853E+22	2,007897E+22
-2967	2,301460E+22	2,492895E+22	2,575243E+22	2,575233E+22	2,492879E+22	2,301434E+22	2,007849E+22	1,690808E+22	1,479605E+22	1,479587E+22	1,690753E+22	2,007778E+22
-2966	2,301369E+22	2,492865E+22	2,575280E+22	2,575290E+22	2,492909E+22	2,301430E+22	2,007840E+22	1,690809E+22	1,479609E+22	1,479595E+22	1,690780E+22	2,007853E+22
-2965	2,301507E+22	2,492997E+22	2,575362E+22	2,575340E+22	2,492927E+22	2,301415E+22	2,007796E+22	1,690761E+22	1,479588E+22	1,479610E+22	1,690808E+22	2,007825E+22

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	2,301392E+22	2,492851E+22	2,575223E+22	2,575247E+22	2,492909E+22	2,301453E+22	2,007849E+22	1,690799E+22	1,479600E+22	1,479594E+22	1,690775E+22	2,007787E+22
-2963	2,301362E+22	2,492877E+22	2,575301E+22	2,575306E+22	2,492925E+22	2,301450E+22	2,007856E+22	1,690820E+22	1,479626E+22	1,479625E+22	1,690828E+22	2,007904E+22
-2962	2,301498E+22	2,492929E+22	2,575287E+22	2,575289E+22	2,492919E+22	2,301446E+22	2,007843E+22	1,690811E+22	1,479638E+22	1,479647E+22	1,690813E+22	2,007811E+22
-2961	2,301380E+22	2,492828E+22	2,575194E+22	2,575208E+22	2,492869E+22	2,301442E+22	2,007883E+22	1,690869E+22	1,479683E+22	1,479667E+22	1,690822E+22	2,007827E+22
-2960	2,301434E+22	2,492947E+22	2,575321E+22	2,575284E+22	2,492878E+22	2,301406E+22	2,007848E+22	1,690868E+22	1,479722E+22	1,479734E+22	1,690906E+22	2,007909E+22
-2959	2,301448E+22	2,492883E+22	2,575250E+22	2,575242E+22	2,492867E+22	2,301412E+22	2,007859E+22	1,690885E+22	1,479747E+22	1,479751E+22	1,690879E+22	2,007822E+22
-2958	2,301340E+22	2,492795E+22	2,575215E+22	2,575254E+22	2,492893E+22	2,301433E+22	2,007879E+22	1,690910E+22	1,479771E+22	1,479772E+22	1,690916E+22	2,007907E+22
-2957	2,301487E+22	2,492946E+22	2,575306E+22	2,575293E+22	2,492900E+22	2,301424E+22	2,007857E+22	1,690887E+22	1,479767E+22	1,479798E+22	1,690963E+22	2,007929E+22
-2956	2,301436E+22	2,492843E+22	2,575185E+22	2,575189E+22	2,492855E+22	2,301441E+22	2,007906E+22	1,690934E+22	1,479787E+22	1,479776E+22	1,690897E+22	2,007844E+22
-2955	2,301374E+22	2,492850E+22	2,575258E+22	2,575254E+22	2,492873E+22	2,301436E+22	2,007917E+22	1,690960E+22	1,479810E+22	1,479790E+22	1,690919E+22	2,007919E+22
-2954	2,301503E+22	2,492942E+22	2,575299E+22	2,575284E+22	2,492889E+22	2,301424E+22	2,007876E+22	1,690919E+22	1,479796E+22	1,479804E+22	1,690921E+22	2,007843E+22
-2953	2,301364E+22	2,492816E+22	2,575193E+22	2,575207E+22	2,492861E+22	2,301434E+22	2,007901E+22	1,690932E+22	1,479782E+22	1,479768E+22	1,690889E+22	2,007834E+22
-2952	2,301377E+22	2,492879E+22	2,575297E+22	2,575285E+22	2,492889E+22	2,301423E+22	2,007869E+22	1,690899E+22	1,479762E+22	1,479773E+22	1,690934E+22	2,007933E+22
-2951	2,301462E+22	2,492867E+22	2,575237E+22	2,575246E+22	2,492881E+22	2,301428E+22	2,007861E+22	1,690869E+22	1,479723E+22	1,479734E+22	1,690876E+22	2,007833E+22
-2950	2,301365E+22	2,492792E+22	2,575175E+22	2,575218E+22	2,492885E+22	2,301442E+22	2,007877E+22	1,690870E+22	1,479694E+22	1,479681E+22	1,690839E+22	2,007858E+22
-2949	2,301479E+22	2,492973E+22	2,575322E+22	2,575280E+22	2,492885E+22	2,301416E+22	2,007838E+22	1,690833E+22	1,479670E+22	1,479681E+22	1,690871E+22	2,007893E+22
-2948	2,301448E+22	2,492890E+22	2,575246E+22	2,575221E+22	2,492848E+22	2,301403E+22	2,007842E+22	1,690837E+22	1,479662E+22	1,479651E+22	1,690798E+22	2,007786E+22
-2947	2,301345E+22	2,492833E+22	2,575271E+22	2,575289E+22	2,492898E+22	2,301422E+22	2,007850E+22	1,690842E+22	1,479662E+22	1,479651E+22	1,690819E+22	2,007859E+22
-2946	2,301483E+22	2,492948E+22	2,575322E+22	2,575326E+22	2,492934E+22	2,301434E+22	2,007821E+22	1,690799E+22	1,479644E+22	1,479673E+22	1,690855E+22	2,007842E+22
-2945	2,301389E+22	2,492838E+22	2,575197E+22	2,575210E+22	2,492881E+22	2,301448E+22	2,007866E+22	1,690833E+22	1,479645E+22	1,479641E+22	1,690813E+22	2,007813E+22
-2944	2,301378E+22	2,492871E+22	2,575282E+22	2,575272E+22	2,492892E+22	2,301438E+22	2,007870E+22	1,690863E+22	1,479691E+22	1,479686E+22	1,690859E+22	2,007902E+22
-2943	2,301489E+22	2,492916E+22	2,575271E+22	2,575255E+22	2,492875E+22	2,301420E+22	2,007858E+22	1,690868E+22	1,479719E+22	1,479726E+22	1,690864E+22	2,007821E+22
-2942	2,301364E+22	2,492802E+22	2,575183E+22	2,575215E+22	2,492868E+22	2,301424E+22	2,007880E+22	1,690904E+22	1,479750E+22	1,479737E+22	1,690865E+22	2,007834E+22
-2941	2,301422E+22	2,492928E+22	2,575311E+22	2,575286E+22	2,492884E+22	2,301413E+22	2,007862E+22	1,690906E+22	1,479783E+22	1,479800E+22	1,690961E+22	2,007939E+22
-2940	2,301446E+22	2,492861E+22	2,575225E+22	2,575215E+22	2,492844E+22	2,301403E+22	2,007870E+22	1,690920E+22	1,479804E+22	1,479816E+22	1,690937E+22	2,007860E+22
-2939	2,301346E+22	2,492773E+22	2,575191E+22	2,575229E+22	2,492869E+22	2,301435E+22	2,007915E+22	1,690963E+22	1,479827E+22	1,479818E+22	1,690941E+22	2,007915E+22
-2938	2,301490E+22	2,492935E+22	2,575283E+22	2,575268E+22	2,492888E+22	2,301435E+22	2,007894E+22	1,690949E+22	1,479839E+22	1,479857E+22	1,690989E+22	2,007919E+22
-2937	2,301426E+22	2,492855E+22	2,575194E+22	2,575166E+22	2,492815E+22	2,301416E+22	2,007915E+22	1,690975E+22	1,479848E+22	1,479833E+22	1,690926E+22	2,007840E+22
-2936	2,301353E+22	2,492830E+22	2,575257E+22	2,575256E+22	2,492857E+22	2,301413E+22	2,007909E+22	1,690990E+22	1,479876E+22	1,479862E+22	1,690959E+22	2,007910E+22
-2935	2,301463E+22	2,492895E+22	2,575265E+22	2,575265E+22	2,492875E+22	2,301410E+22	2,007875E+22	1,690948E+22	1,479854E+22	1,479873E+22	1,690982E+22	2,007872E+22
-2934	2,301349E+22	2,492765E+22	2,575147E+22	2,575193E+22	2,492864E+22	2,301433E+22	2,007901E+22	1,690946E+22	1,479813E+22	1,479807E+22	1,690924E+22	2,007860E+22
-2933	2,301392E+22	2,492867E+22	2,575265E+22	2,575256E+22	2,492874E+22	2,301428E+22	2,007891E+22	1,690930E+22	1,479794E+22	1,479799E+22	1,690959E+22	2,007957E+22
-2932	2,301483E+22	2,492876E+22	2,575221E+22	2,575203E+22	2,492830E+22	2,301397E+22	2,007865E+22	1,690901E+22	1,479767E+22	1,479772E+22	1,690902E+22	2,007843E+22
-2931	2,301368E+22	2,492799E+22	2,575188E+22	2,575210E+22	2,492851E+22	2,301421E+22	2,007890E+22	1,690907E+22	1,479740E+22	1,479719E+22	1,690852E+22	2,007842E+22
-2930	2,301458E+22	2,492957E+22	2,575323E+22	2,575294E+22	2,492893E+22	2,301416E+22	2,007848E+22	1,690867E+22	1,479726E+22	1,479740E+22	1,690905E+22	2,007882E+22
-2929	2,301422E+22	2,492881E+22	2,575247E+22	2,575222E+22	2,492847E+22	2,301402E+22	2,007843E+22	1,690853E+22	1,479700E+22	1,479699E+22	1,690842E+22	2,007806E+22

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	2,301337E+22	2,492802E+22	2,575249E+22	2,575282E+22	2,492900E+22	2,301431E+22	2,007863E+22	1,690870E+22	1,479712E+22	1,479706E+22	1,690856E+22	2,007868E+22
-2927	2,301470E+22	2,492910E+22	2,575273E+22	2,575287E+22	2,492912E+22	2,301436E+22	2,007852E+22	1,690854E+22	1,479709E+22	1,479731E+22	1,690899E+22	2,007864E+22
-2926	2,301393E+22	2,492814E+22	2,575163E+22	2,575186E+22	2,492863E+22	2,301442E+22	2,007888E+22	1,690885E+22	1,479711E+22	1,479697E+22	1,690840E+22	2,007817E+22
-2925	2,301378E+22	2,492871E+22	2,575274E+22	2,575251E+22	2,492859E+22	2,301423E+22	2,007892E+22	1,690921E+22	1,479766E+22	1,479754E+22	1,690904E+22	2,007911E+22
-2924	2,301472E+22	2,492898E+22	2,575258E+22	2,575232E+22	2,492832E+22	2,301379E+22	2,007851E+22	1,690909E+22	1,479796E+22	1,479812E+22	1,690935E+22	2,007850E+22
-2923	2,301352E+22	2,492775E+22	2,575167E+22	2,575202E+22	2,492848E+22	2,301413E+22	2,007889E+22	1,690938E+22	1,479810E+22	1,479806E+22	1,690919E+22	2,007858E+22
-2922	2,301416E+22	2,492896E+22	2,575276E+22	2,575267E+22	2,492882E+22	2,301423E+22	2,007883E+22	1,690944E+22	1,479841E+22	1,479863E+22	1,691007E+22	2,007956E+22
-2921	2,301455E+22	2,492868E+22	2,575213E+22	2,575187E+22	2,492816E+22	2,301394E+22	2,007883E+22	1,690954E+22	1,479850E+22	1,479860E+22	1,690967E+22	2,007878E+22
-2920	2,301361E+22	2,492780E+22	2,575189E+22	2,575213E+22	2,492845E+22	2,301421E+22	2,007925E+22	1,691008E+22	1,479894E+22	1,479874E+22	1,690958E+22	2,007894E+22
-2919	2,301459E+22	2,492914E+22	2,575271E+22	2,575253E+22	2,492862E+22	2,301418E+22	2,007912E+22	1,691005E+22	1,479916E+22	1,479927E+22	1,691028E+22	2,007915E+22
-2918	2,301392E+22	2,492812E+22	2,575177E+22	2,575183E+22	2,492826E+22	2,301410E+22	2,007919E+22	1,691009E+22	1,479907E+22	1,479895E+22	1,690966E+22	2,007843E+22
-2917	2,301330E+22	2,492796E+22	2,575228E+22	2,575245E+22	2,492860E+22	2,301424E+22	2,007928E+22	1,691022E+22	1,479923E+22	1,479916E+22	1,691012E+22	2,007940E+22
-2916	2,301452E+22	2,492860E+22	2,575221E+22	2,575224E+22	2,492843E+22	2,301397E+22	2,007883E+22	1,690975E+22	1,479897E+22	1,479925E+22	1,691036E+22	2,007915E+22
-2915	2,301366E+22	2,492752E+22	2,575114E+22	2,575154E+22	2,492829E+22	2,301426E+22	2,007922E+22	1,690980E+22	1,479852E+22	1,479838E+22	1,690943E+22	2,007871E+22
-2914	2,301406E+22	2,492873E+22	2,575249E+22	2,575229E+22	2,492850E+22	2,301420E+22	2,007907E+22	1,690970E+22	1,479847E+22	1,479843E+22	1,690976E+22	2,007947E+22
-2913	2,301483E+22	2,492904E+22	2,575242E+22	2,575196E+22	2,492795E+22	2,301364E+22	2,007857E+22	1,690924E+22	1,479809E+22	1,479814E+22	1,690926E+22	2,007845E+22
-2912	2,301356E+22	2,492790E+22	2,575198E+22	2,575228E+22	2,492850E+22	2,301401E+22	2,007875E+22	1,690928E+22	1,479793E+22	1,479775E+22	1,690883E+22	2,007832E+22
-2911	2,301418E+22	2,492914E+22	2,575293E+22	2,575287E+22	2,492897E+22	2,301422E+22	2,007860E+22	1,690898E+22	1,479777E+22	1,479797E+22	1,690954E+22	2,007904E+22
-2910	2,301405E+22	2,492833E+22	2,575206E+22	2,575217E+22	2,492858E+22	2,301416E+22	2,007863E+22	1,690882E+22	1,479739E+22	1,479739E+22	1,690870E+22	2,007823E+22
-2909	2,301345E+22	2,492789E+22	2,575211E+22	2,575248E+22	2,492883E+22	2,301443E+22	2,007901E+22	1,690923E+22	1,479765E+22	1,479749E+22	1,690889E+22	2,007884E+22
-2908	2,301470E+22	2,492905E+22	2,575248E+22	2,575239E+22	2,492857E+22	2,301406E+22	2,007865E+22	1,690908E+22	1,479782E+22	1,479797E+22	1,690942E+22	2,007879E+22
-2907	2,301388E+22	2,492806E+22	2,575156E+22	2,575164E+22	2,492821E+22	2,301413E+22	2,007900E+22	1,690934E+22	1,479785E+22	1,479765E+22	1,690877E+22	2,007816E+22
-2906	2,301360E+22	2,492854E+22	2,575264E+22	2,575251E+22	2,492854E+22	2,301410E+22	2,007896E+22	1,690963E+22	1,479841E+22	1,479837E+22	1,690961E+22	2,007921E+22
-2905	2,301460E+22	2,492895E+22	2,575252E+22	2,575221E+22	2,492814E+22	2,301362E+22	2,007846E+22	1,690929E+22	1,479845E+22	1,479874E+22	1,690991E+22	2,007886E+22
-2904	2,301355E+22	2,492756E+22	2,575150E+22	2,575197E+22	2,492843E+22	2,301410E+22	2,007895E+22	1,690971E+22	1,479868E+22	1,479864E+22	1,690957E+22	2,007870E+22
-2903	2,301407E+22	2,492871E+22	2,575242E+22	2,575240E+22	2,492869E+22	2,301428E+22	2,007913E+22	1,690999E+22	1,479908E+22	1,479922E+22	1,691045E+22	2,007969E+22
-2902	2,301450E+22	2,492849E+22	2,575194E+22	2,575179E+22	2,492809E+22	2,301393E+22	2,007906E+22	1,691006E+22	1,479917E+22	1,479914E+22	1,690988E+22	2,007869E+22
-2901	2,301347E+22	2,492772E+22	2,575180E+22	2,575204E+22	2,492830E+22	2,301418E+22	2,007951E+22	1,691065E+22	1,479966E+22	1,479941E+22	1,691003E+22	2,007895E+22
-2900	2,301421E+22	2,492875E+22	2,575243E+22	2,575231E+22	2,492833E+22	2,301389E+22	2,007910E+22	1,691045E+22	1,479988E+22	1,480006E+22	1,691092E+22	2,007945E+22
-2899	2,301374E+22	2,492769E+22	2,575137E+22	2,575152E+22	2,492806E+22	2,301406E+22	2,007931E+22	1,691038E+22	1,479958E+22	1,479952E+22	1,691014E+22	2,007872E+22
-2898	2,301331E+22	2,492768E+22	2,575183E+22	2,575210E+22	2,492844E+22	2,301426E+22	2,007945E+22	1,691054E+22	1,479968E+22	1,479964E+22	1,691050E+22	2,007961E+22
-2897	2,301473E+22	2,492879E+22	2,575207E+22	2,575183E+22	2,492800E+22	2,301372E+22	2,007884E+22	1,690996E+22	1,479927E+22	1,479953E+22	1,691057E+22	2,007936E+22
-2896	2,301389E+22	2,492777E+22	2,575127E+22	2,575145E+22	2,492802E+22	2,301399E+22	2,007913E+22	1,691006E+22	1,479901E+22	1,479876E+22	1,690949E+22	2,007853E+22
-2895	2,301385E+22	2,492869E+22	2,575254E+22	2,575233E+22	2,492840E+22	2,301405E+22	2,007910E+22	1,691004E+22	1,479901E+22	1,479893E+22	1,691002E+22	2,007942E+22
-2894	2,301453E+22	2,492874E+22	2,575242E+22	2,575230E+22	2,492823E+22	2,301367E+22	2,007858E+22	1,690945E+22	1,479851E+22	1,479857E+22	1,690950E+22	2,007844E+22
-2893	2,301335E+22	2,492766E+22	2,575179E+22	2,575230E+22	2,492867E+22	2,301425E+22	2,007903E+22	1,690962E+22	1,479834E+22	1,479820E+22	1,690926E+22	2,007849E+22

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	2,301390E+22	2,492869E+22	2,575249E+22	2,575253E+22	2,492876E+22	2,301420E+22	2,007884E+22	1,690942E+22	1,479831E+22	1,479850E+22	1,690999E+22	2,007935E+22
-2891	2,301410E+22	2,492813E+22	2,575165E+22	2,575169E+22	2,492827E+22	2,301419E+22	2,007898E+22	1,690935E+22	1,479800E+22	1,479789E+22	1,690898E+22	2,007832E+22
-2890	2,301346E+22	2,492785E+22	2,575183E+22	2,575204E+22	2,492845E+22	2,301428E+22	2,007921E+22	1,690979E+22	1,479842E+22	1,479819E+22	1,690924E+22	2,007881E+22
-2889	2,301460E+22	2,492916E+22	2,575250E+22	2,575215E+22	2,492809E+22	2,301360E+22	2,007853E+22	1,690940E+22	1,479847E+22	1,479868E+22	1,690994E+22	2,007901E+22
-2888	2,301380E+22	2,492796E+22	2,575155E+22	2,575168E+22	2,492807E+22	2,301377E+22	2,007872E+22	1,690957E+22	1,479854E+22	1,479842E+22	1,690929E+22	2,007827E+22
-2887	2,301334E+22	2,492816E+22	2,575231E+22	2,575236E+22	2,492850E+22	2,301406E+22	2,007899E+22	1,690991E+22	1,479898E+22	1,479904E+22	1,691020E+22	2,007957E+22
-2886	2,301457E+22	2,492860E+22	2,575224E+22	2,575221E+22	2,492822E+22	2,301370E+22	2,007862E+22	1,690961E+22	1,479889E+22	1,479918E+22	1,691021E+22	2,007905E+22
-2885	2,301368E+22	2,492758E+22	2,575130E+22	2,575173E+22	2,492832E+22	2,301423E+22	2,007935E+22	1,691027E+22	1,479924E+22	1,479910E+22	1,690988E+22	2,007875E+22
-2884	2,301389E+22	2,492859E+22	2,575226E+22	2,575208E+22	2,492830E+22	2,301410E+22	2,007936E+22	1,691060E+22	1,479988E+22	1,479990E+22	1,691081E+22	2,007974E+22
-2883	2,301432E+22	2,492830E+22	2,575181E+22	2,575161E+22	2,492788E+22	2,301387E+22	2,007929E+22	1,691059E+22	1,479994E+22	1,479987E+22	1,691026E+22	2,007864E+22
-2882	2,301318E+22	2,492741E+22	2,575151E+22	2,575189E+22	2,492827E+22	2,301419E+22	2,007966E+22	1,691110E+22	1,480041E+22	1,480021E+22	1,691058E+22	2,007907E+22
-2881	2,301405E+22	2,492858E+22	2,575218E+22	2,575202E+22	2,492808E+22	2,301373E+22	2,007909E+22	1,691067E+22	1,480034E+22	1,480063E+22	1,691146E+22	2,007989E+22
-2880	2,301386E+22	2,492754E+22	2,575113E+22	2,575130E+22	2,492785E+22	2,301387E+22	2,007927E+22	1,691067E+22	1,480008E+22	1,479999E+22	1,691043E+22	2,007888E+22
-2879	2,301335E+22	2,492759E+22	2,575157E+22	2,575177E+22	2,492819E+22	2,301416E+22	2,007959E+22	1,691093E+22	1,480019E+22	1,480008E+22	1,691077E+22	2,007975E+22
-2878	2,301475E+22	2,492880E+22	2,575213E+22	2,575186E+22	2,492786E+22	2,301358E+22	2,007890E+22	1,691027E+22	1,479972E+22	1,479989E+22	1,691066E+22	2,007923E+22
-2877	2,301377E+22	2,492784E+22	2,575144E+22	2,575157E+22	2,492800E+22	2,301394E+22	2,007926E+22	1,691041E+22	1,479948E+22	1,479925E+22	1,690982E+22	2,007848E+22
-2876	2,301343E+22	2,492834E+22	2,575239E+22	2,575230E+22	2,492835E+22	2,301393E+22	2,007908E+22	1,691031E+22	1,479954E+22	1,479953E+22	1,691048E+22	2,007962E+22
-2875	2,301433E+22	2,492830E+22	2,575201E+22	2,575204E+22	2,492824E+22	2,301386E+22	2,007878E+22	1,690970E+22	1,479892E+22	1,479902E+22	1,690983E+22	2,007859E+22
-2874	2,301329E+22	2,492736E+22	2,575130E+22	2,575192E+22	2,492857E+22	2,301438E+22	2,007933E+22	1,691005E+22	1,479886E+22	1,479870E+22	1,690957E+22	2,007865E+22
-2873	2,301399E+22	2,492873E+22	2,575222E+22	2,575203E+22	2,492826E+22	2,301394E+22	2,007890E+22	1,690977E+22	1,479880E+22	1,479894E+22	1,691026E+22	2,007954E+22
-2872	2,301419E+22	2,492818E+22	2,575163E+22	2,575147E+22	2,492786E+22	2,301379E+22	2,007888E+22	1,690974E+22	1,479870E+22	1,479850E+22	1,690923E+22	2,007825E+22
-2871	2,301323E+22	2,492770E+22	2,575178E+22	2,575196E+22	2,492825E+22	2,301403E+22	2,007918E+22	1,691015E+22	1,479910E+22	1,479892E+22	1,690975E+22	2,007896E+22
-2870	2,301439E+22	2,492887E+22	2,575245E+22	2,575231E+22	2,492817E+22	2,301352E+22	2,007848E+22	1,690960E+22	1,479897E+22	1,479927E+22	1,691037E+22	2,007920E+22
-2869	2,301375E+22	2,492782E+22	2,575143E+22	2,575166E+22	2,492817E+22	2,301394E+22	2,007894E+22	1,690989E+22	1,479898E+22	1,479897E+22	1,690981E+22	2,007855E+22
-2868	2,301323E+22	2,492784E+22	2,575194E+22	2,575207E+22	2,492833E+22	2,301406E+22	2,007922E+22	1,691038E+22	1,479959E+22	1,479961E+22	1,691060E+22	2,007985E+22
-2867	2,301467E+22	2,492848E+22	2,575189E+22	2,575179E+22	2,492804E+22	2,301385E+22	2,007903E+22	1,691020E+22	1,479960E+22	1,479973E+22	1,691043E+22	2,007902E+22
-2866	2,301360E+22	2,492755E+22	2,575116E+22	2,575143E+22	2,492806E+22	2,301420E+22	2,007969E+22	1,691098E+22	1,480014E+22	1,479989E+22	1,691023E+22	2,007866E+22
-2865	2,301363E+22	2,492847E+22	2,575220E+22	2,575189E+22	2,492792E+22	2,301376E+22	2,007936E+22	1,691105E+22	1,480064E+22	1,480070E+22	1,691136E+22	2,007990E+22
-2864	2,301412E+22	2,492801E+22	2,575163E+22	2,575152E+22	2,492773E+22	2,301360E+22	2,007915E+22	1,691093E+22	1,480069E+22	1,480067E+22	1,691081E+22	2,007881E+22
-2863	2,301295E+22	2,492698E+22	2,575107E+22	2,575155E+22	2,492811E+22	2,301414E+22	2,007973E+22	1,691139E+22	1,480095E+22	1,480087E+22	1,691116E+22	2,007947E+22
-2862	2,301410E+22	2,492831E+22	2,575190E+22	2,575185E+22	2,492794E+22	2,301368E+22	2,007918E+22	1,691092E+22	1,480071E+22	1,480098E+22	1,691171E+22	2,008011E+22
-2861	2,301412E+22	2,492773E+22	2,575111E+22	2,575111E+22	2,492765E+22	2,301383E+22	2,007947E+22	1,691103E+22	1,480048E+22	1,480035E+22	1,691067E+22	2,007891E+22
-2860	2,301323E+22	2,492756E+22	2,575159E+22	2,575163E+22	2,492787E+22	2,301390E+22	2,007962E+22	1,691130E+22	1,480075E+22	1,480057E+22	1,691100E+22	2,007976E+22
-2859	2,301463E+22	2,492868E+22	2,575213E+22	2,575187E+22	2,492789E+22	2,301364E+22	2,007902E+22	1,691057E+22	1,480023E+22	1,480040E+22	1,691089E+22	2,007913E+22
-2858	2,301349E+22	2,492759E+22	2,575128E+22	2,575153E+22	2,492812E+22	2,301409E+22	2,007944E+22	1,691073E+22	1,479999E+22	1,479982E+22	1,691018E+22	2,007852E+22
-2857	2,301319E+22	2,492802E+22	2,575211E+22	2,575205E+22	2,492821E+22	2,301392E+22	2,007918E+22	1,691052E+22	1,479990E+22	1,479997E+22	1,691087E+22	2,007990E+22

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	2,301436E+22	2,492808E+22	2,575170E+22	2,575177E+22	2,492805E+22	2,301374E+22	2,007884E+22	1,691006E+22	1,479945E+22	1,479947E+22	1,691007E+22	2,007868E+22
-2855	2,301327E+22	2,492719E+22	2,575092E+22	2,575141E+22	2,492821E+22	2,301427E+22	2,007950E+22	1,691050E+22	1,479946E+22	1,479924E+22	1,690990E+22	2,007878E+22
-2854	2,301395E+22	2,492861E+22	2,575220E+22	2,575190E+22	2,492795E+22	2,301369E+22	2,007893E+22	1,691013E+22	1,479936E+22	1,479947E+22	1,691052E+22	2,007956E+22
-2853	2,301415E+22	2,492819E+22	2,575171E+22	2,575148E+22	2,492770E+22	2,301358E+22	2,007888E+22	1,691006E+22	1,479924E+22	1,479917E+22	1,690977E+22	2,007837E+22
-2852	2,301293E+22	2,492734E+22	2,575159E+22	2,575185E+22	2,492810E+22	2,301383E+22	2,007910E+22	1,691039E+22	1,479966E+22	1,479961E+22	1,691033E+22	2,007931E+22
-2851	2,301438E+22	2,492857E+22	2,575211E+22	2,575203E+22	2,492816E+22	2,301372E+22	2,007869E+22	1,690989E+22	1,479944E+22	1,479979E+22	1,691073E+22	2,007938E+22
-2850	2,301380E+22	2,492771E+22	2,575115E+22	2,575135E+22	2,492807E+22	2,301409E+22	2,007931E+22	1,691042E+22	1,479961E+22	1,479953E+22	1,691009E+22	2,007863E+22
-2849	2,301329E+22	2,492790E+22	2,575182E+22	2,575171E+22	2,492795E+22	2,301390E+22	2,007942E+22	1,691090E+22	1,480027E+22	1,480018E+22	1,691087E+22	2,007990E+22
-2848	2,301462E+22	2,492846E+22	2,575193E+22	2,575170E+22	2,492777E+22	2,301355E+22	2,007908E+22	1,691079E+22	1,480050E+22	1,480049E+22	1,691074E+22	2,007888E+22
-2847	2,301323E+22	2,492723E+22	2,575100E+22	2,575133E+22	2,492794E+22	2,301409E+22	2,007981E+22	1,691150E+22	1,480099E+22	1,480078E+22	1,691085E+22	2,007882E+22
-2846	2,301332E+22	2,492798E+22	2,575202E+22	2,575191E+22	2,492791E+22	2,301372E+22	2,007942E+22	1,691138E+22	1,480124E+22	1,480139E+22	1,691188E+22	2,008015E+22
-2845	2,301407E+22	2,492776E+22	2,575140E+22	2,575137E+22	2,492767E+22	2,301367E+22	2,007937E+22	1,691127E+22	1,480116E+22	1,480129E+22	1,691143E+22	2,007917E+22
-2844	2,301294E+22	2,492670E+22	2,575070E+22	2,575118E+22	2,492782E+22	2,301402E+22	2,007986E+22	1,691177E+22	1,480149E+22	1,480140E+22	1,691157E+22	2,007981E+22
-2843	2,301434E+22	2,492831E+22	2,575163E+22	2,575139E+22	2,492769E+22	2,301373E+22	2,007940E+22	1,691131E+22	1,480123E+22	1,480142E+22	1,691186E+22	2,008004E+22
-2842	2,301411E+22	2,492783E+22	2,575118E+22	2,575098E+22	2,492744E+22	2,301374E+22	2,007963E+22	1,691148E+22	1,480111E+22	1,480092E+22	1,691089E+22	2,007880E+22
-2841	2,301306E+22	2,492748E+22	2,575163E+22	2,575161E+22	2,492766E+22	2,301360E+22	2,007951E+22	1,691152E+22	1,480122E+22	1,480110E+22	1,691135E+22	2,007982E+22
-2840	2,301442E+22	2,492836E+22	2,575196E+22	2,575187E+22	2,492789E+22	2,301349E+22	2,007893E+22	1,691079E+22	1,480072E+22	1,480090E+22	1,691122E+22	2,007918E+22
-2839	2,301324E+22	2,492714E+22	2,575086E+22	2,575124E+22	2,492805E+22	2,301420E+22	2,007963E+22	1,691101E+22	1,480039E+22	1,480028E+22	1,691060E+22	2,007879E+22
-2838	2,301316E+22	2,492767E+22	2,575180E+22	2,575179E+22	2,492800E+22	2,301391E+22	2,007936E+22	1,691082E+22	1,480024E+22	1,480026E+22	1,691102E+22	2,007998E+22
-2837	2,301450E+22	2,492817E+22	2,575164E+22	2,575148E+22	2,492774E+22	2,301365E+22	2,007905E+22	1,691045E+22	1,479989E+22	1,479993E+22	1,691038E+22	2,007869E+22
-2836	2,301313E+22	2,492708E+22	2,575087E+22	2,575119E+22	2,492780E+22	2,301392E+22	2,007946E+22	1,691086E+22	1,480008E+22	1,479986E+22	1,691027E+22	2,007888E+22
-2835	2,301391E+22	2,492847E+22	2,575208E+22	2,575177E+22	2,492788E+22	2,301366E+22	2,007896E+22	1,691040E+22	1,479992E+22	1,480008E+22	1,691089E+22	2,007959E+22
-2834	2,301401E+22	2,492803E+22	2,575163E+22	2,575145E+22	2,492774E+22	2,301365E+22	2,007902E+22	1,691040E+22	1,479981E+22	1,479981E+22	1,691024E+22	2,007856E+22
-2833	2,301288E+22	2,492713E+22	2,575140E+22	2,575167E+22	2,492794E+22	2,301377E+22	2,007921E+22	1,691069E+22	1,480012E+22	1,480012E+22	1,691074E+22	2,007959E+22
-2832	2,301449E+22	2,492844E+22	2,575190E+22	2,575185E+22	2,492802E+22	2,301364E+22	2,007888E+22	1,691042E+22	1,480011E+22	1,480034E+22	1,691099E+22	2,007938E+22
-2831	2,301372E+22	2,492757E+22	2,575093E+22	2,575100E+22	2,492782E+22	2,301411E+22	2,007964E+22	1,691106E+22	1,480042E+22	1,480026E+22	1,691050E+22	2,007866E+22
-2830	2,301304E+22	2,492762E+22	2,575182E+22	2,575167E+22	2,492772E+22	2,301376E+22	2,007959E+22	1,691145E+22	1,480106E+22	1,480094E+22	1,691127E+22	2,007985E+22
-2829	2,301440E+22	2,492825E+22	2,575188E+22	2,575170E+22	2,492768E+22	2,301344E+22	2,007917E+22	1,691123E+22	1,480122E+22	1,480138E+22	1,691148E+22	2,007908E+22
-2828	2,301289E+22	2,492666E+22	2,575055E+22	2,575102E+22	2,492770E+22	2,301391E+22	2,007980E+22	1,691183E+22	1,480167E+22	1,480159E+22	1,691155E+22	2,007929E+22
-2827	2,301341E+22	2,492763E+22	2,575147E+22	2,575142E+22	2,492775E+22	2,301383E+22	2,007961E+22	1,691169E+22	1,480174E+22	1,480195E+22	1,691232E+22	2,008043E+22
-2826	2,301429E+22	2,492775E+22	2,575114E+22	2,575096E+22	2,492736E+22	2,301363E+22	2,007961E+22	1,691171E+22	1,480170E+22	1,480176E+22	1,691170E+22	2,007930E+22
-2825	2,301311E+22	2,492683E+22	2,575067E+22	2,575087E+22	2,492736E+22	2,301371E+22	2,007988E+22	1,691210E+22	1,480197E+22	1,480182E+22	1,691178E+22	2,007983E+22
-2824	2,301435E+22	2,492841E+22	2,575182E+22	2,575146E+22	2,492749E+22	2,301340E+22	2,007935E+22	1,691169E+22	1,480184E+22	1,480194E+22	1,691204E+22	2,007984E+22
-2823	2,301377E+22	2,492759E+22	2,575113E+22	2,575103E+22	2,492749E+22	2,301375E+22	2,007972E+22	1,691179E+22	1,480165E+22	1,480152E+22	1,691130E+22	2,007884E+22
-2822	2,301271E+22	2,492703E+22	2,575152E+22	2,575170E+22	2,492777E+22	2,301372E+22	2,007963E+22	1,691174E+22	1,480159E+22	1,480151E+22	1,691164E+22	2,007988E+22
-2821	2,301432E+22	2,492810E+22	2,575174E+22	2,575176E+22	2,492789E+22	2,301363E+22	2,007919E+22	1,691109E+22	1,480105E+22	1,480132E+22	1,691163E+22	2,007935E+22

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	2,301314E+22	2,492679E+22	2,575041E+22	2,575080E+22	2,492771E+22	2,301409E+22	2,007982E+22	1,691144E+22	1,480091E+22	1,480074E+22	1,691092E+22	2,007901E+22
-2819	2,301332E+22	2,492761E+22	2,575145E+22	2,575127E+22	2,492766E+22	2,301390E+22	2,007958E+22	1,691125E+22	1,480081E+22	1,480075E+22	1,691123E+22	2,007989E+22
-2818	2,301443E+22	2,492820E+22	2,575167E+22	2,575132E+22	2,492741E+22	2,301343E+22	2,007915E+22	1,691090E+22	1,480057E+22	1,480058E+22	1,691075E+22	2,007871E+22
-2817	2,301301E+22	2,492695E+22	2,575085E+22	2,575115E+22	2,492756E+22	2,301356E+22	2,007927E+22	1,691103E+22	1,480059E+22	1,480049E+22	1,691078E+22	2,007910E+22
-2816	2,301386E+22	2,492826E+22	2,575194E+22	2,575176E+22	2,492783E+22	2,301346E+22	2,007885E+22	1,691062E+22	1,480043E+22	1,480064E+22	1,691131E+22	2,007974E+22
-2815	2,301391E+22	2,492774E+22	2,575133E+22	2,575125E+22	2,492771E+22	2,301378E+22	2,007925E+22	1,691074E+22	1,480029E+22	1,480034E+22	1,691069E+22	2,007882E+22
-2814	2,301289E+22	2,492693E+22	2,575127E+22	2,575153E+22	2,492779E+22	2,301380E+22	2,007948E+22	1,691115E+22	1,480063E+22	1,480053E+22	1,691093E+22	2,007956E+22
-2813	2,301448E+22	2,492848E+22	2,575192E+22	2,575173E+22	2,492783E+22	2,301364E+22	2,007919E+22	1,691098E+22	1,480078E+22	1,480099E+22	1,691139E+22	2,007933E+22
-2812	2,301341E+22	2,492728E+22	2,575080E+22	2,575085E+22	2,492752E+22	2,301390E+22	2,007979E+22	1,691163E+22	1,480129E+22	1,480111E+22	1,691105E+22	2,007880E+22
-2811	2,301290E+22	2,492724E+22	2,575140E+22	2,575138E+22	2,492765E+22	2,301382E+22	2,007975E+22	1,691188E+22	1,480180E+22	1,480174E+22	1,691182E+22	2,007993E+22
-2810	2,301419E+22	2,492793E+22	2,575159E+22	2,575147E+22	2,492756E+22	2,301349E+22	2,007939E+22	1,691168E+22	1,480191E+22	1,480213E+22	1,691208E+22	2,007943E+22
-2809	2,301298E+22	2,492643E+22	2,575021E+22	2,575066E+22	2,492735E+22	2,301369E+22	2,007983E+22	1,691214E+22	1,480218E+22	1,480215E+22	1,691204E+22	2,007968E+22
-2808	2,301368E+22	2,492763E+22	2,575123E+22	2,575111E+22	2,492739E+22	2,301354E+22	2,007967E+22	1,691215E+22	1,480235E+22	1,480243E+22	1,691255E+22	2,008046E+22
-2807	2,301431E+22	2,492780E+22	2,575109E+22	2,575074E+22	2,492709E+22	2,301352E+22	2,007979E+22	1,691219E+22	1,480234E+22	1,480234E+22	1,691202E+22	2,007930E+22
-2806	2,301291E+22	2,492674E+22	2,575088E+22	2,575101E+22	2,492720E+22	2,301351E+22	2,007992E+22	1,691246E+22	1,480252E+22	1,480233E+22	1,691201E+22	2,007968E+22
-2805	2,301407E+22	2,492825E+22	2,575188E+22	2,575163E+22	2,492758E+22	2,301341E+22	2,007942E+22	1,691194E+22	1,480230E+22	1,480254E+22	1,691253E+22	2,007989E+22
-2804	2,301337E+22	2,492704E+22	2,575074E+22	2,575086E+22	2,492743E+22	2,301376E+22	2,007981E+22	1,691207E+22	1,480213E+22	1,480206E+22	1,691178E+22	2,007914E+22
-2803	2,301274E+22	2,492662E+22	2,575087E+22	2,575123E+22	2,492770E+22	2,301394E+22	2,007990E+22	1,691206E+22	1,480199E+22	1,480190E+22	1,691191E+22	2,007996E+22
-2802	2,301436E+22	2,492802E+22	2,575145E+22	2,575138E+22	2,492761E+22	2,301361E+22	2,007947E+22	1,691157E+22	1,480158E+22	1,480173E+22	1,691185E+22	2,007945E+22
-2801	2,301325E+22	2,492682E+22	2,575031E+22	2,575048E+22	2,492719E+22	2,301367E+22	2,007976E+22	1,691176E+22	1,480143E+22	1,480121E+22	1,691120E+22	2,007909E+22
-2800	2,301335E+22	2,492766E+22	2,575152E+22	2,575126E+22	2,492735E+22	2,301344E+22	2,007944E+22	1,691160E+22	1,480141E+22	1,480132E+22	1,691155E+22	2,007985E+22
-2799	2,301420E+22	2,492803E+22	2,575161E+22	2,575134E+22	2,492741E+22	2,301338E+22	2,007916E+22	1,691115E+22	1,480108E+22	1,480121E+22	1,691128E+22	2,007890E+22
-2798	2,301279E+22	2,492666E+22	2,575083E+22	2,575125E+22	2,492762E+22	2,301362E+22	2,007936E+22	1,691122E+22	1,480093E+22	1,480091E+22	1,691114E+22	2,007928E+22
-2797	2,301387E+22	2,492814E+22	2,575182E+22	2,575175E+22	2,492790E+22	2,301363E+22	2,007912E+22	1,691095E+22	1,480082E+22	1,480111E+22	1,691172E+22	2,007990E+22
-2796	2,301384E+22	2,492746E+22	2,575093E+22	2,575090E+22	2,492747E+22	2,301376E+22	2,007952E+22	1,691128E+22	1,480096E+22	1,480089E+22	1,691101E+22	2,007896E+22
-2795	2,301295E+22	2,492681E+22	2,575088E+22	2,575110E+22	2,492756E+22	2,301388E+22	2,007982E+22	1,691176E+22	1,480142E+22	1,480121E+22	1,691122E+22	2,007941E+22
-2794	2,301422E+22	2,492833E+22	2,575185E+22	2,575159E+22	2,492755E+22	2,301346E+22	2,007940E+22	1,691161E+22	1,480167E+22	1,480182E+22	1,691189E+22	2,007942E+22
-2793	2,301319E+22	2,492689E+22	2,575050E+22	2,575063E+22	2,492719E+22	2,301353E+22	2,007968E+22	1,691198E+22	1,480201E+22	1,480194E+22	1,691173E+22	2,007914E+22
-2792	2,301287E+22	2,492696E+22	2,575104E+22	2,575111E+22	2,492737E+22	2,301354E+22	2,007973E+22	1,691225E+22	1,480244E+22	1,480243E+22	1,691238E+22	2,008022E+22
-2791	2,301419E+22	2,492772E+22	2,575120E+22	2,575107E+22	2,492730E+22	2,301345E+22	2,007958E+22	1,691208E+22	1,480247E+22	1,480272E+22	1,691257E+22	2,007974E+22
-2790	2,301307E+22	2,492646E+22	2,575020E+22	2,575048E+22	2,492706E+22	2,301354E+22	2,007995E+22	1,691252E+22	1,480267E+22	1,480254E+22	1,691221E+22	2,007969E+22
-2789	2,301375E+22	2,492784E+22	2,575145E+22	2,575116E+22	2,492724E+22	2,301341E+22	2,007978E+22	1,691253E+22	1,480292E+22	1,480299E+22	1,691285E+22	2,008035E+22
-2788	2,301398E+22	2,492756E+22	2,575107E+22	2,575081E+22	2,492701E+22	2,301336E+22	2,007984E+22	1,691261E+22	1,480302E+22	1,480300E+22	1,691241E+22	2,007934E+22
-2787	2,301271E+22	2,492640E+22	2,575055E+22	2,575094E+22	2,492739E+22	2,301374E+22	2,008011E+22	1,691281E+22	1,480308E+22	1,480292E+22	1,691239E+22	2,007963E+22
-2786	2,301372E+22	2,492789E+22	2,575162E+22	2,575153E+22	2,492762E+22	2,301360E+22	2,007974E+22	1,691239E+22	1,480284E+22	1,480305E+22	1,691293E+22	2,008013E+22
-2785	2,301334E+22	2,492669E+22	2,575029E+22	2,575049E+22	2,492716E+22	2,301365E+22	2,007994E+22	1,691241E+22	1,480259E+22	1,480252E+22	1,691215E+22	2,007944E+22

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	2,301293E+22	2,492658E+22	2,575051E+22	2,575078E+22	2,492727E+22	2,301367E+22	2,008001E+22	1,691253E+22	1,480255E+22	1,480234E+22	1,691212E+22	2,007997E+22
-2783	2,301430E+22	2,492803E+22	2,575132E+22	2,575107E+22	2,492724E+22	2,301342E+22	2,007958E+22	1,691199E+22	1,480219E+22	1,480231E+22	1,691223E+22	2,007954E+22
-2782	2,301309E+22	2,492680E+22	2,575049E+22	2,575055E+22	2,492696E+22	2,301334E+22	2,007963E+22	1,691197E+22	1,480190E+22	1,480171E+22	1,691152E+22	2,007914E+22
-2781	2,301322E+22	2,492756E+22	2,575156E+22	2,575142E+22	2,492742E+22	2,301333E+22	2,007934E+22	1,691168E+22	1,480177E+22	1,480187E+22	1,691206E+22	2,008003E+22
-2780	2,301399E+22	2,492764E+22	2,575129E+22	2,575123E+22	2,492738E+22	2,301339E+22	2,007923E+22	1,691137E+22	1,480148E+22	1,480167E+22	1,691171E+22	2,007926E+22
-2779	2,301294E+22	2,492645E+22	2,575030E+22	2,575087E+22	2,492760E+22	2,301385E+22	2,007966E+22	1,691159E+22	1,480136E+22	1,480127E+22	1,691131E+22	2,007924E+22
-2778	2,301379E+22	2,492811E+22	2,575166E+22	2,575148E+22	2,492769E+22	2,301369E+22	2,007952E+22	1,691157E+22	1,480149E+22	1,480157E+22	1,691188E+22	2,007989E+22
-2777	2,301378E+22	2,492739E+22	2,575082E+22	2,575066E+22	2,492707E+22	2,301345E+22	2,007959E+22	1,691179E+22	1,480172E+22	1,480158E+22	1,691138E+22	2,007899E+22
-2776	2,301283E+22	2,492666E+22	2,575071E+22	2,575096E+22	2,492725E+22	2,301352E+22	2,007984E+22	1,691231E+22	1,480225E+22	1,480201E+22	1,691170E+22	2,007942E+22
-2775	2,301385E+22	2,492797E+22	2,575156E+22	2,575144E+22	2,492748E+22	2,301342E+22	2,007951E+22	1,691204E+22	1,480241E+22	1,480266E+22	1,691260E+22	2,007975E+22
-2774	2,301299E+22	2,492659E+22	2,575035E+22	2,575050E+22	2,492701E+22	2,301342E+22	2,007974E+22	1,691230E+22	1,480254E+22	1,480253E+22	1,691223E+22	2,007946E+22
-2773	2,301298E+22	2,492689E+22	2,575087E+22	2,575096E+22	2,492723E+22	2,301349E+22	2,007987E+22	1,691258E+22	1,480295E+22	1,480303E+22	1,691286E+22	2,008044E+22
-2772	2,301420E+22	2,492761E+22	2,575094E+22	2,575074E+22	2,492700E+22	2,301333E+22	2,007976E+22	1,691258E+22	1,480315E+22	1,480333E+22	1,691292E+22	2,007990E+22
-2771	2,301315E+22	2,492647E+22	2,575000E+22	2,575024E+22	2,492694E+22	2,301357E+22	2,008017E+22	1,691302E+22	1,480338E+22	1,480317E+22	1,691247E+22	2,007951E+22
-2770	2,301342E+22	2,492771E+22	2,575152E+22	2,575126E+22	2,492722E+22	2,301337E+22	2,007997E+22	1,691305E+22	1,480366E+22	1,480367E+22	1,691325E+22	2,008042E+22
-2769	2,301373E+22	2,492714E+22	2,575077E+22	2,575072E+22	2,492694E+22	2,301322E+22	2,007980E+22	1,691289E+22	1,480360E+22	1,480366E+22	1,691294E+22	2,007962E+22
-2768	2,301265E+22	2,492607E+22	2,575008E+22	2,575063E+22	2,492720E+22	2,301364E+22	2,008024E+22	1,691318E+22	1,480358E+22	1,480344E+22	1,691279E+22	2,007984E+22
-2767	2,301362E+22	2,492760E+22	2,575116E+22	2,575109E+22	2,492739E+22	2,301363E+22	2,008000E+22	1,691279E+22	1,480332E+22	1,480351E+22	1,691329E+22	2,008035E+22
-2766	2,301335E+22	2,492670E+22	2,575024E+22	2,575019E+22	2,492675E+22	2,301341E+22	2,008002E+22	1,691274E+22	1,480302E+22	1,480286E+22	1,691231E+22	2,007948E+22
-2765	2,301300E+22	2,492679E+22	2,575069E+22	2,575075E+22	2,492703E+22	2,301341E+22	2,007997E+22	1,691275E+22	1,480302E+22	1,480288E+22	1,691244E+22	2,007996E+22
-2764	2,301407E+22	2,492784E+22	2,575123E+22	2,575102E+22	2,492709E+22	2,301318E+22	2,007949E+22	1,691223E+22	1,480270E+22	1,480287E+22	1,691261E+22	2,007970E+22
-2763	2,301302E+22	2,492660E+22	2,575020E+22	2,575048E+22	2,492715E+22	2,301349E+22	2,007969E+22	1,691216E+22	1,480229E+22	1,480216E+22	1,691183E+22	2,007917E+22
-2762	2,301302E+22	2,492738E+22	2,575146E+22	2,575141E+22	2,492749E+22	2,301349E+22	2,007959E+22	1,691203E+22	1,480220E+22	1,480223E+22	1,691231E+22	2,008026E+22
-2761	2,301401E+22	2,492737E+22	2,575092E+22	2,575095E+22	2,492719E+22	2,301330E+22	2,007937E+22	1,691175E+22	1,480197E+22	1,480210E+22	1,691197E+22	2,007943E+22
-2760	2,301306E+22	2,492646E+22	2,575004E+22	2,575049E+22	2,492722E+22	2,301367E+22	2,007991E+22	1,691221E+22	1,480207E+22	1,480182E+22	1,691154E+22	2,007913E+22
-2759	2,301348E+22	2,492796E+22	2,575154E+22	2,575123E+22	2,492738E+22	2,301356E+22	2,007975E+22	1,691218E+22	1,480233E+22	1,480236E+22	1,691233E+22	2,007988E+22
-2758	2,301341E+22	2,492717E+22	2,575085E+22	2,575063E+22	2,492685E+22	2,301316E+22	2,007955E+22	1,691218E+22	1,480244E+22	1,480236E+22	1,691192E+22	2,007914E+22
-2757	2,301265E+22	2,492643E+22	2,575054E+22	2,575089E+22	2,492721E+22	2,301339E+22	2,007975E+22	1,691250E+22	1,480286E+22	1,480283E+22	1,691241E+22	2,007975E+22
-2756	2,301369E+22	2,492751E+22	2,575106E+22	2,575107E+22	2,492728E+22	2,301335E+22	2,007959E+22	1,691237E+22	1,480300E+22	1,480333E+22	1,691318E+22	2,008024E+22
-2755	2,301326E+22	2,492647E+22	2,574986E+22	2,575009E+22	2,492690E+22	2,301348E+22	2,007996E+22	1,691271E+22	1,480310E+22	1,480305E+22	1,691252E+22	2,007956E+22
-2754	2,301302E+22	2,492701E+22	2,575089E+22	2,575080E+22	2,492702E+22	2,301344E+22	2,008014E+22	1,691316E+22	1,480364E+22	1,480354E+22	1,691308E+22	2,008052E+22
-2753	2,301417E+22	2,492755E+22	2,575094E+22	2,575067E+22	2,492675E+22	2,301306E+22	2,007980E+22	1,691303E+22	1,480388E+22	1,480401E+22	1,691329E+22	2,007993E+22
-2752	2,301303E+22	2,492638E+22	2,574994E+22	2,575022E+22	2,492680E+22	2,301341E+22	2,008029E+22	1,691352E+22	1,480409E+22	1,480388E+22	1,691288E+22	2,007945E+22
-2751	2,301297E+22	2,492730E+22	2,575127E+22	2,575117E+22	2,492730E+22	2,301354E+22	2,008022E+22	1,691348E+22	1,480430E+22	1,480437E+22	1,691378E+22	2,008062E+22
-2750	2,301349E+22	2,492682E+22	2,575057E+22	2,575055E+22	2,492684E+22	2,301324E+22	2,007997E+22	1,691321E+22	1,480406E+22	1,480414E+22	1,691332E+22	2,007988E+22
-2749	2,301274E+22	2,492595E+22	2,574977E+22	2,575032E+22	2,492702E+22	2,301360E+22	2,008036E+22	1,691347E+22	1,480405E+22	1,480394E+22	1,691314E+22	2,007999E+22

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	2,301360E+22	2,492744E+22	2,575083E+22	2,575062E+22	2,492698E+22	2,301345E+22	2,008014E+22	1,691323E+22	1,480391E+22	1,480402E+22	1,691358E+22	2,008051E+22
-2747	2,301346E+22	2,492672E+22	2,575008E+22	2,574993E+22	2,492650E+22	2,301322E+22	2,008003E+22	1,691307E+22	1,480357E+22	1,480338E+22	1,691253E+22	2,007935E+22
-2746	2,301273E+22	2,492670E+22	2,575081E+22	2,575085E+22	2,492695E+22	2,301323E+22	2,007994E+22	1,691303E+22	1,480352E+22	1,480337E+22	1,691278E+22	2,008012E+22
-2745	2,301392E+22	2,492751E+22	2,575102E+22	2,575095E+22	2,492703E+22	2,301302E+22	2,007934E+22	1,691233E+22	1,480309E+22	1,480338E+22	1,691304E+22	2,007997E+22
-2744	2,301309E+22	2,492644E+22	2,574990E+22	2,575021E+22	2,492697E+22	2,301345E+22	2,007984E+22	1,691246E+22	1,480266E+22	1,480254E+22	1,691208E+22	2,007926E+22
-2743	2,301291E+22	2,492718E+22	2,575116E+22	2,575112E+22	2,492738E+22	2,301361E+22	2,007991E+22	1,691248E+22	1,480271E+22	1,480266E+22	1,691253E+22	2,008028E+22
-2742	2,301391E+22	2,492739E+22	2,575096E+22	2,575075E+22	2,492691E+22	2,301315E+22	2,007951E+22	1,691218E+22	1,480254E+22	1,480256E+22	1,691214E+22	2,007938E+22
-2741	2,301294E+22	2,492646E+22	2,575012E+22	2,575046E+22	2,492705E+22	2,301348E+22	2,007993E+22	1,691257E+22	1,480276E+22	1,480259E+22	1,691199E+22	2,007912E+22
-2740	2,301310E+22	2,492751E+22	2,575125E+22	2,575107E+22	2,492725E+22	2,301343E+22	2,007980E+22	1,691259E+22	1,480307E+22	1,480318E+22	1,691294E+22	2,008016E+22
-2739	2,301330E+22	2,492679E+22	2,575039E+22	2,575039E+22	2,492689E+22	2,301325E+22	2,007969E+22	1,691252E+22	1,480305E+22	1,480308E+22	1,691247E+22	2,007937E+22
-2738	2,301254E+22	2,492620E+22	2,575034E+22	2,575072E+22	2,492712E+22	2,301344E+22	2,008000E+22	1,691295E+22	1,480345E+22	1,480339E+22	1,691287E+22	2,008018E+22
-2737	2,301389E+22	2,492733E+22	2,575068E+22	2,575067E+22	2,492695E+22	2,301317E+22	2,007969E+22	1,691280E+22	1,480364E+22	1,480393E+22	1,691356E+22	2,008050E+22
-2736	2,301351E+22	2,492664E+22	2,574976E+22	2,574973E+22	2,492646E+22	2,301328E+22	2,008019E+22	1,691331E+22	1,480384E+22	1,480368E+22	1,691280E+22	2,007949E+22
-2735	2,301280E+22	2,492694E+22	2,575094E+22	2,575074E+22	2,492684E+22	2,301335E+22	2,008036E+22	1,691374E+22	1,480446E+22	1,480432E+22	1,691350E+22	2,008046E+22
-2734	2,301380E+22	2,492734E+22	2,575101E+22	2,575074E+22	2,492668E+22	2,301291E+22	2,007981E+22	1,691340E+22	1,480454E+22	1,480471E+22	1,691376E+22	2,008005E+22
-2733	2,301283E+22	2,492611E+22	2,574977E+22	2,575017E+22	2,492685E+22	2,301345E+22	2,008034E+22	1,691375E+22	1,480466E+22	1,480461E+22	1,691347E+22	2,007970E+22
-2732	2,301275E+22	2,492674E+22	2,575069E+22	2,575071E+22	2,492708E+22	2,301357E+22	2,008044E+22	1,691387E+22	1,480483E+22	1,480493E+22	1,691420E+22	2,008093E+22
-2731	2,301364E+22	2,492662E+22	2,575005E+22	2,575006E+22	2,492663E+22	2,301325E+22	2,008019E+22	1,691362E+22	1,480456E+22	1,480458E+22	1,691352E+22	2,007988E+22
-2730	2,301274E+22	2,492605E+22	2,574982E+22	2,575011E+22	2,492668E+22	2,301340E+22	2,008050E+22	1,691392E+22	1,480462E+22	1,480436E+22	1,691332E+22	2,008008E+22
-2729	2,301358E+22	2,492732E+22	2,575077E+22	2,575048E+22	2,492664E+22	2,301304E+22	2,007998E+22	1,691348E+22	1,480446E+22	1,480459E+22	1,691391E+22	2,008059E+22
-2728	2,301344E+22	2,492668E+22	2,575007E+22	2,574990E+22	2,492634E+22	2,301301E+22	2,008001E+22	1,691332E+22	1,480402E+22	1,480391E+22	1,691290E+22	2,007936E+22
-2727	2,301243E+22	2,492641E+22	2,575070E+22	2,575086E+22	2,492704E+22	2,301336E+22	2,008008E+22	1,691326E+22	1,480391E+22	1,480385E+22	1,691317E+22	2,008026E+22
-2726	2,301377E+22	2,492732E+22	2,575094E+22	2,575087E+22	2,492701E+22	2,301308E+22	2,007949E+22	1,691255E+22	1,480339E+22	1,480369E+22	1,691326E+22	2,008012E+22
-2725	2,301318E+22	2,492642E+22	2,574976E+22	2,575002E+22	2,492690E+22	2,301352E+22	2,008000E+22	1,691275E+22	1,480313E+22	1,480302E+22	1,691233E+22	2,007926E+22
-2724	2,301274E+22	2,492690E+22	2,575085E+22	2,575072E+22	2,492708E+22	2,301357E+22	2,008017E+22	1,691303E+22	1,480340E+22	1,480327E+22	1,691282E+22	2,008029E+22
-2723	2,301380E+22	2,492719E+22	2,575074E+22	2,575057E+22	2,492677E+22	2,301304E+22	2,007964E+22	1,691266E+22	1,480327E+22	1,480328E+22	1,691254E+22	2,007933E+22
-2722	2,301262E+22	2,492619E+22	2,575005E+22	2,575042E+22	2,492694E+22	2,301334E+22	2,007998E+22	1,691299E+22	1,480346E+22	1,480330E+22	1,691256E+22	2,007948E+22
-2721	2,301303E+22	2,492704E+22	2,575080E+22	2,575073E+22	2,492701E+22	2,301324E+22	2,007975E+22	1,691285E+22	1,480366E+22	1,480390E+22	1,691358E+22	2,008063E+22
-2720	2,301355E+22	2,492669E+22	2,575004E+22	2,574993E+22	2,492647E+22	2,301312E+22	2,007988E+22	1,691293E+22	1,480358E+22	1,480364E+22	1,691289E+22	2,007958E+22
-2719	2,301259E+22	2,492616E+22	2,575018E+22	2,575042E+22	2,492687E+22	2,301343E+22	2,008027E+22	1,691346E+22	1,480408E+22	1,480396E+22	1,691319E+22	2,008024E+22
-2718	2,301390E+22	2,492752E+22	2,575089E+22	2,575056E+22	2,492667E+22	2,301297E+22	2,007979E+22	1,691325E+22	1,480429E+22	1,480450E+22	1,691382E+22	2,008046E+22
-2717	2,301342E+22	2,492668E+22	2,574995E+22	2,574984E+22	2,492641E+22	2,301314E+22	2,008019E+22	1,691367E+22	1,480457E+22	1,480448E+22	1,691323E+22	2,007941E+22
-2716	2,301237E+22	2,492643E+22	2,575067E+22	2,575068E+22	2,492688E+22	2,301340E+22	2,008053E+22	1,691421E+22	1,480520E+22	1,480511E+22	1,691404E+22	2,008061E+22
-2715	2,301361E+22	2,492689E+22	2,575057E+22	2,575058E+22	2,492677E+22	2,301307E+22	2,008005E+22	1,691382E+22	1,480513E+22	1,480535E+22	1,691422E+22	2,008018E+22
-2714	2,301263E+22	2,492574E+22	2,574947E+22	2,574992E+22	2,492671E+22	2,301351E+22	2,008065E+22	1,691425E+22	1,480523E+22	1,480511E+22	1,691387E+22	2,008005E+22
-2713	2,301284E+22	2,492642E+22	2,575019E+22	2,575018E+22	2,492665E+22	2,301336E+22	2,008054E+22	1,691430E+22	1,480544E+22	1,480550E+22	1,691456E+22	2,008112E+22

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	2,301385E+22	2,492673E+22	2,574991E+22	2,574959E+22	2,492602E+22	2,301294E+22	2,008033E+22	1,691409E+22	1,480517E+22	1,480515E+22	1,691382E+22	2,007982E+22
-2711	2,301254E+22	2,492596E+22	2,574988E+22	2,575008E+22	2,492647E+22	2,301318E+22	2,008050E+22	1,691425E+22	1,480520E+22	1,480499E+22	1,691373E+22	2,008008E+22
-2710	2,301337E+22	2,492722E+22	2,575085E+22	2,575056E+22	2,492657E+22	2,301282E+22	2,007979E+22	1,691356E+22	1,480483E+22	1,480508E+22	1,691431E+22	2,008076E+22
-2709	2,301339E+22	2,492653E+22	2,575000E+22	2,574993E+22	2,492643E+22	2,301304E+22	2,007993E+22	1,691333E+22	1,480431E+22	1,480437E+22	1,691328E+22	2,007955E+22
-2708	2,301233E+22	2,492600E+22	2,575028E+22	2,575055E+22	2,492696E+22	2,301350E+22	2,008035E+22	1,691359E+22	1,480428E+22	1,480419E+22	1,691340E+22	2,008039E+22
-2707	2,301388E+22	2,492718E+22	2,575060E+22	2,575059E+22	2,492692E+22	2,301317E+22	2,007979E+22	1,691300E+22	1,480385E+22	1,480403E+22	1,691335E+22	2,007998E+22
-2706	2,301304E+22	2,492642E+22	2,574984E+22	2,574991E+22	2,492667E+22	2,301345E+22	2,008027E+22	1,691330E+22	1,480376E+22	1,480350E+22	1,691258E+22	2,007932E+22
-2705	2,301259E+22	2,492656E+22	2,575061E+22	2,575051E+22	2,492678E+22	2,301329E+22	2,008016E+22	1,691343E+22	1,480412E+22	1,480402E+22	1,691330E+22	2,008038E+22
-2704	2,301371E+22	2,492700E+22	2,575052E+22	2,575032E+22	2,492648E+22	2,301291E+22	2,007977E+22	1,691306E+22	1,480390E+22	1,480402E+22	1,691312E+22	2,007949E+22
-2703	2,301243E+22	2,492586E+22	2,574982E+22	2,575027E+22	2,492685E+22	2,301336E+22	2,008015E+22	1,691336E+22	1,480404E+22	1,480397E+22	1,691312E+22	2,007976E+22
-2702	2,301308E+22	2,492693E+22	2,575063E+22	2,575049E+22	2,492675E+22	2,301309E+22	2,007982E+22	1,691318E+22	1,480414E+22	1,480440E+22	1,691396E+22	2,008089E+22
-2701	2,301380E+22	2,492682E+22	2,575002E+22	2,574976E+22	2,492628E+22	2,301302E+22	2,007994E+22	1,691328E+22	1,480420E+22	1,480427E+22	1,691324E+22	2,007962E+22
-2700	2,301249E+22	2,492603E+22	2,575006E+22	2,575015E+22	2,492655E+22	2,301332E+22	2,008051E+22	1,691404E+22	1,480486E+22	1,480466E+22	1,691353E+22	2,008018E+22
-2699	2,301368E+22	2,492728E+22	2,575079E+22	2,575060E+22	2,492666E+22	2,301290E+22	2,007995E+22	1,691377E+22	1,480507E+22	1,480527E+22	1,691423E+22	2,008035E+22
-2698	2,301301E+22	2,492633E+22	2,574990E+22	2,574994E+22	2,492648E+22	2,301318E+22	2,008036E+22	1,691414E+22	1,480530E+22	1,480520E+22	1,691383E+22	2,007973E+22
-2697	2,301218E+22	2,492577E+22	2,575003E+22	2,575028E+22	2,492669E+22	2,301336E+22	2,008064E+22	1,691457E+22	1,480584E+22	1,480584E+22	1,691463E+22	2,008096E+22
-2696	2,301373E+22	2,492666E+22	2,575008E+22	2,575000E+22	2,492632E+22	2,301301E+22	2,008036E+22	1,691430E+22	1,480569E+22	1,480591E+22	1,691465E+22	2,008037E+22
-2695	2,301266E+22	2,492565E+22	2,574925E+22	2,574954E+22	2,492632E+22	2,301337E+22	2,008086E+22	1,691475E+22	1,480585E+22	1,480565E+22	1,691419E+22	2,008011E+22
-2694	2,301288E+22	2,492658E+22	2,575029E+22	2,574999E+22	2,492620E+22	2,301297E+22	2,008048E+22	1,691461E+22	1,480598E+22	1,480601E+22	1,691484E+22	2,008115E+22
-2693	2,301386E+22	2,492684E+22	2,575010E+22	2,574973E+22	2,492594E+22	2,301269E+22	2,008013E+22	1,691421E+22	1,480568E+22	1,480577E+22	1,691422E+22	2,007982E+22
-2692	2,301227E+22	2,492563E+22	2,574971E+22	2,575006E+22	2,492652E+22	2,301323E+22	2,008057E+22	1,691448E+22	1,480563E+22	1,480550E+22	1,691413E+22	2,008023E+22
-2691	2,301328E+22	2,492690E+22	2,575059E+22	2,575058E+22	2,492677E+22	2,301302E+22	2,008000E+22	1,691381E+22	1,480515E+22	1,480542E+22	1,691456E+22	2,008082E+22
-2690	2,301329E+22	2,492633E+22	2,574986E+22	2,574989E+22	2,492646E+22	2,301322E+22	2,008026E+22	1,691376E+22	1,480471E+22	1,480463E+22	1,691349E+22	2,007976E+22
-2689	2,301238E+22	2,492572E+22	2,574982E+22	2,575011E+22	2,492665E+22	2,301342E+22	2,008056E+22	1,691406E+22	1,480487E+22	1,480468E+22	1,691364E+22	2,008038E+22
-2688	2,301389E+22	2,492721E+22	2,575049E+22	2,575019E+22	2,492638E+22	2,301297E+22	2,008007E+22	1,691356E+22	1,480453E+22	1,480464E+22	1,691366E+22	2,007985E+22
-2687	2,301270E+22	2,492616E+22	2,574978E+22	2,574986E+22	2,492644E+22	2,301324E+22	2,008034E+22	1,691376E+22	1,480449E+22	1,480428E+22	1,691311E+22	2,007939E+22
-2686	2,301239E+22	2,492636E+22	2,575046E+22	2,575038E+22	2,492657E+22	2,301302E+22	2,008002E+22	1,691363E+22	1,480465E+22	1,480470E+22	1,691390E+22	2,008071E+22
-2685	2,301378E+22	2,492684E+22	2,575029E+22	2,575012E+22	2,492634E+22	2,301278E+22	2,007965E+22	1,691317E+22	1,480436E+22	1,480464E+22	1,691364E+22	2,007979E+22
-2684	2,301245E+22	2,492558E+22	2,574941E+22	2,574990E+22	2,492661E+22	2,301334E+22	2,008035E+22	1,691374E+22	1,480454E+22	1,480446E+22	1,691347E+22	2,007997E+22
-2683	2,301325E+22	2,492694E+22	2,575048E+22	2,575034E+22	2,492659E+22	2,301300E+22	2,008001E+22	1,691364E+22	1,480473E+22	1,480487E+22	1,691414E+22	2,008079E+22
-2682	2,301365E+22	2,492684E+22	2,575022E+22	2,574986E+22	2,492616E+22	2,301292E+22	2,008014E+22	1,691384E+22	1,480491E+22	1,480486E+22	1,691358E+22	2,007968E+22
-2681	2,301226E+22	2,492563E+22	2,574982E+22	2,575007E+22	2,492643E+22	2,301319E+22	2,008060E+22	1,691452E+22	1,480567E+22	1,480551E+22	1,691408E+22	2,008023E+22
-2680	2,301345E+22	2,492698E+22	2,575051E+22	2,575034E+22	2,492646E+22	2,301296E+22	2,008026E+22	1,691427E+22	1,480578E+22	1,480604E+22	1,691482E+22	2,008049E+22
-2679	2,301271E+22	2,492586E+22	2,574953E+22	2,574972E+22	2,492639E+22	2,301329E+22	2,008069E+22	1,691467E+22	1,480599E+22	1,480593E+22	1,691439E+22	2,008000E+22
-2678	2,301224E+22	2,492559E+22	2,574963E+22	2,574986E+22	2,492634E+22	2,301320E+22	2,008077E+22	1,691498E+22	1,480642E+22	1,480640E+22	1,691506E+22	2,008122E+22
-2677	2,301394E+22	2,492676E+22	2,574991E+22	2,574965E+22	2,492596E+22	2,301278E+22	2,008035E+22	1,691466E+22	1,480634E+22	1,480654E+22	1,691500E+22	2,008045E+22

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	2,301259E+22	2,492557E+22	2,574913E+22	2,574927E+22	2,492594E+22	2,301312E+22	2,008094E+22	1,691519E+22	1,480651E+22	1,480628E+22	1,691456E+22	2,008015E+22
-2675	2,301277E+22	2,492644E+22	2,575028E+22	2,575012E+22	2,492616E+22	2,301275E+22	2,008043E+22	1,691490E+22	1,480651E+22	1,480656E+22	1,691520E+22	2,008114E+22
-2674	2,301360E+22	2,492664E+22	2,575015E+22	2,574993E+22	2,492608E+22	2,301273E+22	2,008019E+22	1,691445E+22	1,480608E+22	1,480620E+22	1,691465E+22	2,008014E+22
-2673	2,301219E+22	2,492519E+22	2,574924E+22	2,574979E+22	2,492643E+22	2,301326E+22	2,008069E+22	1,691472E+22	1,480602E+22	1,480593E+22	1,691446E+22	2,008039E+22
-2672	2,301335E+22	2,492683E+22	2,575027E+22	2,575013E+22	2,492645E+22	2,301311E+22	2,008039E+22	1,691426E+22	1,480557E+22	1,480575E+22	1,691472E+22	2,008079E+22
-2671	2,301318E+22	2,492627E+22	2,574975E+22	2,574969E+22	2,492624E+22	2,301318E+22	2,008054E+22	1,691430E+22	1,480533E+22	1,480511E+22	1,691367E+22	2,007966E+22
-2670	2,301228E+22	2,492572E+22	2,574975E+22	2,574993E+22	2,492629E+22	2,301309E+22	2,008054E+22	1,691442E+22	1,480547E+22	1,480526E+22	1,691396E+22	2,008037E+22
-2669	2,301372E+22	2,492710E+22	2,575047E+22	2,575023E+22	2,492629E+22	2,301272E+22	2,007988E+22	1,691376E+22	1,480514E+22	1,480536E+22	1,691418E+22	2,007997E+22
-2668	2,301243E+22	2,492576E+22	2,574945E+22	2,574967E+22	2,492632E+22	2,301317E+22	2,008039E+22	1,691403E+22	1,480502E+22	1,480490E+22	1,691367E+22	2,007968E+22
-2667	2,301234E+22	2,492604E+22	2,575014E+22	2,575028E+22	2,492652E+22	2,301299E+22	2,008013E+22	1,691390E+22	1,480507E+22	1,480515E+22	1,691428E+22	2,008092E+22
-2666	2,301381E+22	2,492678E+22	2,575017E+22	2,575004E+22	2,492628E+22	2,301282E+22	2,007988E+22	1,691359E+22	1,480484E+22	1,480503E+22	1,691398E+22	2,008009E+22
-2665	2,301257E+22	2,492545E+22	2,574907E+22	2,574949E+22	2,492627E+22	2,301320E+22	2,008052E+22	1,691424E+22	1,480524E+22	1,480507E+22	1,691378E+22	2,007997E+22
-2664	2,301321E+22	2,492699E+22	2,575046E+22	2,575008E+22	2,492621E+22	2,301290E+22	2,008032E+22	1,691423E+22	1,480549E+22	1,480557E+22	1,691451E+22	2,008069E+22
-2663	2,301325E+22	2,492653E+22	2,575016E+22	2,574995E+22	2,492613E+22	2,301284E+22	2,008031E+22	1,691439E+22	1,480576E+22	1,480571E+22	1,691414E+22	2,007975E+22
-2662	2,301202E+22	2,492531E+22	2,574947E+22	2,574988E+22	2,492630E+22	2,301307E+22	2,008063E+22	1,691487E+22	1,480633E+22	1,480627E+22	1,691471E+22	2,008054E+22
-2661	2,301340E+22	2,492671E+22	2,575015E+22	2,575007E+22	2,492630E+22	2,301289E+22	2,008029E+22	1,691460E+22	1,480640E+22	1,480673E+22	1,691535E+22	2,008078E+22
-2660	2,301271E+22	2,492557E+22	2,574903E+22	2,574920E+22	2,492601E+22	2,301322E+22	2,008096E+22	1,691520E+22	1,480664E+22	1,480652E+22	1,691479E+22	2,008021E+22
-2659	2,301236E+22	2,492559E+22	2,574948E+22	2,574963E+22	2,492602E+22	2,301297E+22	2,008089E+22	1,691546E+22	1,480706E+22	1,480693E+22	1,691531E+22	2,008119E+22
-2658	2,301384E+22	2,492684E+22	2,575010E+22	2,574974E+22	2,492581E+22	2,301259E+22	2,008041E+22	1,691508E+22	1,480695E+22	1,480708E+22	1,691538E+22	2,008058E+22
-2657	2,301244E+22	2,492531E+22	2,574894E+22	2,574922E+22	2,492585E+22	2,301295E+22	2,008090E+22	1,691549E+22	1,480712E+22	1,480695E+22	1,691501E+22	2,008026E+22
-2656	2,301265E+22	2,492630E+22	2,575015E+22	2,574997E+22	2,492608E+22	2,301285E+22	2,008066E+22	1,691520E+22	1,480696E+22	1,480706E+22	1,691558E+22	2,008126E+22
-2655	2,301335E+22	2,492627E+22	2,574993E+22	2,574992E+22	2,492615E+22	2,301289E+22	2,008048E+22	1,691486E+22	1,480656E+22	1,480665E+22	1,691495E+22	2,008026E+22
-2654	2,301225E+22	2,492513E+22	2,574891E+22	2,574948E+22	2,492622E+22	2,301321E+22	2,008085E+22	1,691509E+22	1,480648E+22	1,480633E+22	1,691470E+22	2,008047E+22
-2653	2,301336E+22	2,492688E+22	2,575014E+22	2,574984E+22	2,492615E+22	2,301292E+22	2,008041E+22	1,691462E+22	1,480618E+22	1,480627E+22	1,691493E+22	2,008068E+22
-2652	2,301290E+22	2,492603E+22	2,574955E+22	2,574943E+22	2,492591E+22	2,301297E+22	2,008065E+22	1,691475E+22	1,480600E+22	1,480576E+22	1,691407E+22	2,007970E+22
-2651	2,301206E+22	2,492542E+22	2,574958E+22	2,574996E+22	2,492620E+22	2,301283E+22	2,008043E+22	1,691468E+22	1,480601E+22	1,480586E+22	1,691442E+22	2,008052E+22
-2650	2,301349E+22	2,492681E+22	2,575028E+22	2,575021E+22	2,492630E+22	2,301269E+22	2,007988E+22	1,691396E+22	1,480553E+22	1,480584E+22	1,691473E+22	2,008045E+22
-2649	2,301249E+22	2,492540E+22	2,574891E+22	2,574925E+22	2,492609E+22	2,301308E+22	2,008045E+22	1,691427E+22	1,480544E+22	1,480539E+22	1,691408E+22	2,007999E+22
-2648	2,301258E+22	2,492614E+22	2,574992E+22	2,574981E+22	2,492611E+22	2,301296E+22	2,008042E+22	1,691432E+22	1,480554E+22	1,480554E+22	1,691449E+22	2,008095E+22
-2647	2,301376E+22	2,492683E+22	2,575022E+22	2,574997E+22	2,492609E+22	2,301274E+22	2,008013E+22	1,691415E+22	1,480554E+22	1,480560E+22	1,691419E+22	2,007999E+22
-2646	2,301249E+22	2,492554E+22	2,574910E+22	2,574944E+22	2,492605E+22	2,301296E+22	2,008055E+22	1,691468E+22	1,480596E+22	1,480578E+22	1,691417E+22	2,007993E+22
-2645	2,301293E+22	2,492682E+22	2,575042E+22	2,575014E+22	2,492623E+22	2,301280E+22	2,008029E+22	1,691462E+22	1,480628E+22	1,480639E+22	1,691502E+22	2,008073E+22
-2644	2,301287E+22	2,492603E+22	2,574975E+22	2,574975E+22	2,492611E+22	2,301295E+22	2,008058E+22	1,691491E+22	1,480651E+22	1,480650E+22	1,691476E+22	2,008005E+22
-2643	2,301191E+22	2,492489E+22	2,574903E+22	2,574968E+22	2,492619E+22	2,301306E+22	2,008086E+22	1,691537E+22	1,480698E+22	1,480689E+22	1,691517E+22	2,008080E+22
-2642	2,301339E+22	2,492656E+22	2,574989E+22	2,574982E+22	2,492612E+22	2,301287E+22	2,008056E+22	1,691515E+22	1,480704E+22	1,480729E+22	1,691581E+22	2,008112E+22
-2641	2,301280E+22	2,492546E+22	2,574870E+22	2,574871E+22	2,492551E+22	2,301293E+22	2,008106E+22	1,691571E+22	1,480742E+22	1,480725E+22	1,691521E+22	2,008029E+22

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	2,301233E+22	2,492568E+22	2,574952E+22	2,574938E+22	2,492560E+22	2,301274E+22	2,008102E+22	1,691592E+22	1,480777E+22	1,480765E+22	1,691573E+22	2,008119E+22
-2639	2,301353E+22	2,492662E+22	2,575013E+22	2,574991E+22	2,492586E+22	2,301250E+22	2,008044E+22	1,691545E+22	1,480762E+22	1,480781E+22	1,691586E+22	2,008072E+22
-2638	2,301236E+22	2,492512E+22	2,574865E+22	2,574907E+22	2,492581E+22	2,301289E+22	2,008085E+22	1,691564E+22	1,480753E+22	1,480747E+22	1,691546E+22	2,008051E+22
-2637	2,301263E+22	2,492613E+22	2,574990E+22	2,574980E+22	2,492605E+22	2,301287E+22	2,008070E+22	1,691544E+22	1,480738E+22	1,480745E+22	1,691582E+22	2,008137E+22
-2636	2,301330E+22	2,492606E+22	2,574957E+22	2,574954E+22	2,492593E+22	2,301290E+22	2,008076E+22	1,691531E+22	1,480705E+22	1,480703E+22	1,691513E+22	2,008028E+22
-2635	2,301218E+22	2,492502E+22	2,574879E+22	2,574932E+22	2,492596E+22	2,301302E+22	2,008097E+22	1,691550E+22	1,480701E+22	1,480675E+22	1,691485E+22	2,008036E+22
-2634	2,301308E+22	2,492675E+22	2,575019E+22	2,574991E+22	2,492608E+22	2,301280E+22	2,008047E+22	1,691497E+22	1,480669E+22	1,480679E+22	1,691533E+22	2,008083E+22
-2633	2,301268E+22	2,492566E+22	2,574919E+22	2,574917E+22	2,492572E+22	2,301280E+22	2,008060E+22	1,691500E+22	1,480656E+22	1,480643E+22	1,691458E+22	2,007991E+22
-2632	2,301199E+22	2,492527E+22	2,574934E+22	2,574961E+22	2,492599E+22	2,301287E+22	2,008059E+22	1,691492E+22	1,480642E+22	1,480636E+22	1,691485E+22	2,008076E+22
-2631	2,301343E+22	2,492658E+22	2,575007E+22	2,575008E+22	2,492624E+22	2,301271E+22	2,008008E+22	1,691434E+22	1,480603E+22	1,480630E+22	1,691501E+22	2,008066E+22
-2630	2,301273E+22	2,492551E+22	2,574867E+22	2,574891E+22	2,492581E+22	2,301293E+22	2,008052E+22	1,691461E+22	1,480594E+22	1,480584E+22	1,691432E+22	2,008007E+22
-2629	2,301263E+22	2,492631E+22	2,575000E+22	2,574967E+22	2,492587E+22	2,301275E+22	2,008044E+22	1,691476E+22	1,480624E+22	1,480613E+22	1,691470E+22	2,008081E+22
-2628	2,301344E+22	2,492661E+22	2,575016E+22	2,574991E+22	2,492594E+22	2,301263E+22	2,008031E+22	1,691471E+22	1,480635E+22	1,480637E+22	1,691464E+22	2,007999E+22
-2627	2,301213E+22	2,492514E+22	2,574895E+22	2,574954E+22	2,492608E+22	2,301288E+22	2,008061E+22	1,691510E+22	1,480670E+22	1,480657E+22	1,691472E+22	2,008008E+22
-2626	2,301259E+22	2,492636E+22	2,575011E+22	2,575005E+22	2,492630E+22	2,301293E+22	2,008050E+22	1,691503E+22	1,480689E+22	1,480708E+22	1,691566E+22	2,008116E+22
-2625	2,301284E+22	2,492557E+22	2,574908E+22	2,574916E+22	2,492577E+22	2,301290E+22	2,008080E+22	1,691540E+22	1,480721E+22	1,480723E+22	1,691531E+22	2,008039E+22
-2624	2,301211E+22	2,492492E+22	2,574872E+22	2,574905E+22	2,492568E+22	2,301296E+22	2,008115E+22	1,691591E+22	1,480767E+22	1,480750E+22	1,691554E+22	2,008093E+22
-2623	2,301334E+22	2,492651E+22	2,574988E+22	2,574965E+22	2,492581E+22	2,301265E+22	2,008070E+22	1,691571E+22	1,480784E+22	1,480800E+22	1,691613E+22	2,008116E+22
-2622	2,301283E+22	2,492554E+22	2,574872E+22	2,574864E+22	2,492526E+22	2,301260E+22	2,008093E+22	1,691601E+22	1,480807E+22	1,480798E+22	1,691569E+22	2,008041E+22
-2621	2,301221E+22	2,492561E+22	2,574955E+22	2,574945E+22	2,492560E+22	2,301258E+22	2,008087E+22	1,691612E+22	1,480834E+22	1,480828E+22	1,691615E+22	2,008126E+22
-2620	2,301325E+22	2,492621E+22	2,574984E+22	2,574978E+22	2,492592E+22	2,301266E+22	2,008068E+22	1,691579E+22	1,480811E+22	1,480834E+22	1,691628E+22	2,008093E+22
-2619	2,301227E+22	2,492480E+22	2,574840E+22	2,574900E+22	2,492581E+22	2,301296E+22	2,008108E+22	1,691601E+22	1,480796E+22	1,480784E+22	1,691568E+22	2,008060E+22
-2618	2,301256E+22	2,492595E+22	2,574968E+22	2,574958E+22	2,492597E+22	2,301297E+22	2,008100E+22	1,691588E+22	1,480783E+22	1,480782E+22	1,691604E+22	2,008144E+22
-2617	2,301322E+22	2,492586E+22	2,574923E+22	2,574906E+22	2,492549E+22	2,301271E+22	2,008090E+22	1,691579E+22	1,480772E+22	1,480764E+22	1,691544E+22	2,008028E+22
-2616	2,301205E+22	2,492496E+22	2,574871E+22	2,574897E+22	2,492555E+22	2,301281E+22	2,008105E+22	1,691587E+22	1,480761E+22	1,480737E+22	1,691525E+22	2,008039E+22
-2615	2,301278E+22	2,492638E+22	2,575005E+22	2,574988E+22	2,492603E+22	2,301267E+22	2,008045E+22	1,691526E+22	1,480726E+22	1,480743E+22	1,691578E+22	2,008107E+22
-2614	2,301276E+22	2,492551E+22	2,574887E+22	2,574887E+22	2,492551E+22	2,301262E+22	2,008049E+22	1,691508E+22	1,480690E+22	1,480693E+22	1,691504E+22	2,008025E+22
-2613	2,301216E+22	2,492527E+22	2,574920E+22	2,574938E+22	2,492579E+22	2,301271E+22	2,008055E+22	1,691512E+22	1,480682E+22	1,480672E+22	1,691505E+22	2,008086E+22
-2612	2,301347E+22	2,492655E+22	2,574993E+22	2,574982E+22	2,492604E+22	2,301269E+22	2,008031E+22	1,691480E+22	1,480657E+22	1,480674E+22	1,691520E+22	2,008064E+22
-2611	2,301265E+22	2,492550E+22	2,574882E+22	2,574899E+22	2,492568E+22	2,301278E+22	2,008062E+22	1,691505E+22	1,480657E+22	1,480637E+22	1,691452E+22	2,007993E+22
-2610	2,301229E+22	2,492610E+22	2,575009E+22	2,574988E+22	2,492601E+22	2,301280E+22	2,008062E+22	1,691520E+22	1,480688E+22	1,480681E+22	1,691516E+22	2,008087E+22
-2609	2,301310E+22	2,492611E+22	2,574977E+22	2,574969E+22	2,492587E+22	2,301266E+22	2,008047E+22	1,691517E+22	1,480711E+22	1,480723E+22	1,691528E+22	2,008023E+22
-2608	2,301195E+22	2,492479E+22	2,574856E+22	2,574907E+22	2,492587E+22	2,301303E+22	2,008096E+22	1,691560E+22	1,480738E+22	1,480730E+22	1,691531E+22	2,008039E+22
-2607	2,301250E+22	2,492595E+22	2,574971E+22	2,574974E+22	2,492614E+22	2,301297E+22	2,008082E+22	1,691563E+22	1,480765E+22	1,480780E+22	1,691611E+22	2,008146E+22
-2606	2,301313E+22	2,492560E+22	2,574870E+22	2,574856E+22	2,492526E+22	2,301261E+22	2,008085E+22	1,691584E+22	1,480792E+22	1,480793E+22	1,691575E+22	2,008057E+22
-2605	2,301222E+22	2,492507E+22	2,574878E+22	2,574881E+22	2,492525E+22	2,301255E+22	2,008106E+22	1,691634E+22	1,480844E+22	1,480821E+22	1,691590E+22	2,008092E+22

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	2,301314E+22	2,492634E+22	2,574987E+22	2,574962E+22	2,492562E+22	2,301242E+22	2,008073E+22	1,691614E+22	1,480858E+22	1,480877E+22	1,691664E+22	2,008126E+22
-2603	2,301258E+22	2,492522E+22	2,574869E+22	2,574879E+22	2,492531E+22	2,301249E+22	2,008089E+22	1,691625E+22	1,480859E+22	1,480858E+22	1,691614E+22	2,008057E+22
-2602	2,301201E+22	2,492526E+22	2,574936E+22	2,574946E+22	2,492577E+22	2,301280E+22	2,008109E+22	1,691639E+22	1,480870E+22	1,480873E+22	1,691657E+22	2,008151E+22
-2601	2,301323E+22	2,492587E+22	2,574931E+22	2,574929E+22	2,492567E+22	2,301272E+22	2,008097E+22	1,691623E+22	1,480863E+22	1,480881E+22	1,691656E+22	2,008103E+22
-2600	2,301233E+22	2,492482E+22	2,574819E+22	2,574845E+22	2,492542E+22	2,301300E+22	2,008142E+22	1,691652E+22	1,480853E+22	1,480829E+22	1,691586E+22	2,008053E+22
-2599	2,301235E+22	2,492576E+22	2,574964E+22	2,574947E+22	2,492574E+22	2,301283E+22	2,008117E+22	1,691641E+22	1,480854E+22	1,480842E+22	1,691625E+22	2,008136E+22
-2598	2,301315E+22	2,492575E+22	2,574908E+22	2,574888E+22	2,492522E+22	2,301238E+22	2,008076E+22	1,691602E+22	1,480828E+22	1,480831E+22	1,691592E+22	2,008040E+22
-2597	2,301194E+22	2,492482E+22	2,574865E+22	2,574893E+22	2,492544E+22	2,301257E+22	2,008087E+22	1,691603E+22	1,480808E+22	1,480792E+22	1,691568E+22	2,008057E+22
-2596	2,301265E+22	2,492603E+22	2,574978E+22	2,574970E+22	2,492594E+22	2,301269E+22	2,008059E+22	1,691553E+22	1,480767E+22	1,480791E+22	1,691620E+22	2,008135E+22
-2595	2,301283E+22	2,492535E+22	2,574878E+22	2,574883E+22	2,492542E+22	2,301258E+22	2,008059E+22	1,691535E+22	1,480726E+22	1,480726E+22	1,691527E+22	2,008037E+22
-2594	2,301221E+22	2,492529E+22	2,574919E+22	2,574930E+22	2,492575E+22	2,301280E+22	2,008079E+22	1,691549E+22	1,480724E+22	1,480712E+22	1,691527E+22	2,008083E+22
-2593	2,301334E+22	2,492641E+22	2,574977E+22	2,574954E+22	2,492574E+22	2,301259E+22	2,008051E+22	1,691531E+22	1,480730E+22	1,480742E+22	1,691555E+22	2,008059E+22
-2592	2,301244E+22	2,492535E+22	2,574876E+22	2,574880E+22	2,492552E+22	2,301277E+22	2,008081E+22	1,691553E+22	1,480731E+22	1,480714E+22	1,691503E+22	2,007999E+22
-2591	2,301190E+22	2,492549E+22	2,574975E+22	2,574981E+22	2,492605E+22	2,301286E+22	2,008080E+22	1,691568E+22	1,480764E+22	1,480761E+22	1,691570E+22	2,008112E+22
-2590	2,301312E+22	2,492576E+22	2,574923E+22	2,574921E+22	2,492558E+22	2,301255E+22	2,008055E+22	1,691549E+22	1,480770E+22	1,480795E+22	1,691591E+22	2,008064E+22
-2589	2,301215E+22	2,492472E+22	2,574827E+22	2,574860E+22	2,492540E+22	2,301272E+22	2,008100E+22	1,691602E+22	1,480801E+22	1,480787E+22	1,691568E+22	2,008057E+22
-2588	2,301257E+22	2,492587E+22	2,574948E+22	2,574930E+22	2,492568E+22	2,301276E+22	2,008101E+22	1,691618E+22	1,480838E+22	1,480845E+22	1,691648E+22	2,008153E+22
-2587	2,301310E+22	2,492562E+22	2,574890E+22	2,574862E+22	2,492498E+22	2,301229E+22	2,008082E+22	1,691623E+22	1,480859E+22	1,480859E+22	1,691611E+22	2,008056E+22
-2586	2,301203E+22	2,492497E+22	2,574891E+22	2,574902E+22	2,492535E+22	2,301253E+22	2,008111E+22	1,691664E+22	1,480899E+22	1,480888E+22	1,691640E+22	2,008100E+22
-2585	2,301288E+22	2,492597E+22	2,574957E+22	2,574946E+22	2,492560E+22	2,301250E+22	2,008090E+22	1,691653E+22	1,480921E+22	1,480947E+22	1,691718E+22	2,008146E+22
-2584	2,301247E+22	2,492497E+22	2,574843E+22	2,574851E+22	2,492525E+22	2,301273E+22	2,008124E+22	1,691670E+22	1,480914E+22	1,480912E+22	1,691653E+22	2,008073E+22
-2583	2,301188E+22	2,492485E+22	2,574901E+22	2,574927E+22	2,492573E+22	2,301295E+22	2,008148E+22	1,691699E+22	1,480936E+22	1,480926E+22	1,691678E+22	2,008155E+22
-2582	2,301336E+22	2,492583E+22	2,574898E+22	2,574880E+22	2,492523E+22	2,301253E+22	2,008110E+22	1,691668E+22	1,480927E+22	1,480941E+22	1,691690E+22	2,008106E+22
-2581	2,301226E+22	2,492484E+22	2,574822E+22	2,574823E+22	2,492495E+22	2,301256E+22	2,008137E+22	1,691695E+22	1,480922E+22	1,480892E+22	1,691619E+22	2,008048E+22
-2580	2,301206E+22	2,492542E+22	2,574946E+22	2,574936E+22	2,492554E+22	2,301261E+22	2,008117E+22	1,691675E+22	1,480917E+22	1,480914E+22	1,691679E+22	2,008152E+22
-2579	2,301296E+22	2,492542E+22	2,574898E+22	2,574892E+22	2,492516E+22	2,301223E+22	2,008063E+22	1,691611E+22	1,480865E+22	1,480881E+22	1,691640E+22	2,008068E+22
-2578	2,301196E+22	2,492461E+22	2,574847E+22	2,574888E+22	2,492551E+22	2,301268E+22	2,008097E+22	1,691612E+22	1,480827E+22	1,480825E+22	1,691607E+22	2,008086E+22
-2577	2,301279E+22	2,492589E+22	2,574941E+22	2,574929E+22	2,492566E+22	2,301266E+22	2,008079E+22	1,691587E+22	1,480808E+22	1,480828E+22	1,691644E+22	2,008145E+22
-2576	2,301293E+22	2,492547E+22	2,574875E+22	2,574851E+22	2,492515E+22	2,301261E+22	2,008085E+22	1,691579E+22	1,480777E+22	1,480765E+22	1,691541E+22	2,008026E+22
-2575	2,301200E+22	2,492511E+22	2,574925E+22	2,574939E+22	2,492571E+22	2,301278E+22	2,008102E+22	1,691604E+22	1,480797E+22	1,480774E+22	1,691548E+22	2,008069E+22
-2574	2,301320E+22	2,492622E+22	2,574957E+22	2,574937E+22	2,492557E+22	2,301243E+22	2,008052E+22	1,691565E+22	1,480794E+22	1,480816E+22	1,691607E+22	2,008068E+22
-2573	2,301222E+22	2,492506E+22	2,574856E+22	2,574865E+22	2,492535E+22	2,301262E+22	2,008086E+22	1,691592E+22	1,480796E+22	1,480782E+22	1,691555E+22	2,008019E+22
-2572	2,301174E+22	2,492501E+22	2,574927E+22	2,574947E+22	2,492585E+22	2,301288E+22	2,008107E+22	1,691618E+22	1,480831E+22	1,480830E+22	1,691626E+22	2,008141E+22
-2571	2,301315E+22	2,492553E+22	2,574897E+22	2,574893E+22	2,492527E+22	2,301238E+22	2,008067E+22	1,691593E+22	1,480831E+22	1,480852E+22	1,691631E+22	2,008084E+22
-2570	2,301226E+22	2,492476E+22	2,574822E+22	2,574841E+22	2,492515E+22	2,301262E+22	2,008115E+22	1,691644E+22	1,480861E+22	1,480850E+22	1,691609E+22	2,008063E+22
-2569	2,301250E+22	2,492579E+22	2,574937E+22	2,574903E+22	2,492523E+22	2,301245E+22	2,008108E+22	1,691669E+22	1,480919E+22	1,480927E+22	1,691698E+22	2,008158E+22

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	2,301292E+22	2,492551E+22	2,574888E+22	2,574856E+22	2,492489E+22	2,301224E+22	2,008090E+22	1,691663E+22	1,480930E+22	1,480935E+22	1,691665E+22	2,008067E+22
-2567	2,301173E+22	2,492451E+22	2,574869E+22	2,574907E+22	2,492550E+22	2,301268E+22	2,008132E+22	1,691708E+22	1,480967E+22	1,480958E+22	1,691684E+22	2,008119E+22
-2566	2,301292E+22	2,492569E+22	2,574911E+22	2,574907E+22	2,492541E+22	2,301251E+22	2,008107E+22	1,691689E+22	1,480975E+22	1,481006E+22	1,691764E+22	2,008171E+22
-2565	2,301257E+22	2,492490E+22	2,574820E+22	2,574818E+22	2,492491E+22	2,301255E+22	2,008144E+22	1,691723E+22	1,480976E+22	1,480960E+22	1,691678E+22	2,008077E+22
-2564	2,301180E+22	2,492464E+22	2,574874E+22	2,574894E+22	2,492539E+22	2,301283E+22	2,008173E+22	1,691757E+22	1,481009E+22	1,480987E+22	1,691711E+22	2,008151E+22
-2563	2,301313E+22	2,492568E+22	2,574906E+22	2,574883E+22	2,492499E+22	2,301223E+22	2,008106E+22	1,691702E+22	1,480986E+22	1,481001E+22	1,691730E+22	2,008111E+22
-2562	2,301208E+22	2,492466E+22	2,574820E+22	2,574833E+22	2,492498E+22	2,301250E+22	2,008134E+22	1,691709E+22	1,480962E+22	1,480951E+22	1,691673E+22	2,008064E+22
-2561	2,301189E+22	2,492509E+22	2,574910E+22	2,574908E+22	2,492536E+22	2,301257E+22	2,008124E+22	1,691700E+22	1,480962E+22	1,480969E+22	1,691731E+22	2,008183E+22
-2560	2,301303E+22	2,492532E+22	2,574873E+22	2,574866E+22	2,492508E+22	2,301236E+22	2,008083E+22	1,691640E+22	1,480900E+22	1,480917E+22	1,691670E+22	2,008090E+22
-2559	2,301203E+22	2,492444E+22	2,574821E+22	2,574872E+22	2,492546E+22	2,301277E+22	2,008124E+22	1,691657E+22	1,480876E+22	1,480858E+22	1,691613E+22	2,008085E+22
-2558	2,301296E+22	2,492599E+22	2,574924E+22	2,574894E+22	2,492529E+22	2,301248E+22	2,008090E+22	1,691626E+22	1,480862E+22	1,480875E+22	1,691666E+22	2,008139E+22
-2557	2,301282E+22	2,492552E+22	2,574889E+22	2,574849E+22	2,492480E+22	2,301222E+22	2,008086E+22	1,691626E+22	1,480843E+22	1,480823E+22	1,691569E+22	2,008014E+22
-2556	2,301160E+22	2,492464E+22	2,574897E+22	2,574932E+22	2,492562E+22	2,301269E+22	2,008112E+22	1,691649E+22	1,480868E+22	1,480850E+22	1,691604E+22	2,008077E+22
-2555	2,301283E+22	2,492576E+22	2,574935E+22	2,574933E+22	2,492550E+22	2,301235E+22	2,008054E+22	1,691591E+22	1,480846E+22	1,480878E+22	1,691663E+22	2,008098E+22
-2554	2,301221E+22	2,492479E+22	2,574822E+22	2,574841E+22	2,492523E+22	2,301266E+22	2,008103E+22	1,691620E+22	1,480839E+22	1,480839E+22	1,691606E+22	2,008047E+22
-2553	2,301184E+22	2,492486E+22	2,574880E+22	2,574888E+22	2,492535E+22	2,301270E+22	2,008128E+22	1,691671E+22	1,480899E+22	1,480893E+22	1,691668E+22	2,008159E+22
-2552	2,301325E+22	2,492566E+22	2,574889E+22	2,574860E+22	2,492492E+22	2,301223E+22	2,008082E+22	1,691644E+22	1,480903E+22	1,480915E+22	1,691666E+22	2,008087E+22
-2551	2,301209E+22	2,492462E+22	2,574827E+22	2,574853E+22	2,492510E+22	2,301250E+22	2,008128E+22	1,691697E+22	1,480942E+22	1,480923E+22	1,691645E+22	2,008065E+22
-2550	2,301243E+22	2,492562E+22	2,574922E+22	2,574896E+22	2,492514E+22	2,301231E+22	2,008107E+22	1,691702E+22	1,480986E+22	1,481005E+22	1,691759E+22	2,008178E+22
-2549	2,301276E+22	2,492529E+22	2,574879E+22	2,574854E+22	2,492480E+22	2,301215E+22	2,008104E+22	1,691708E+22	1,480993E+22	1,480999E+22	1,691713E+22	2,008087E+22
-2548	2,301158E+22	2,492406E+22	2,574824E+22	2,574884E+22	2,492546E+22	2,301284E+22	2,008171E+22	1,691766E+22	1,481036E+22	1,481023E+22	1,691731E+22	2,008135E+22
-2547	2,301281E+22	2,492549E+22	2,574889E+22	2,574882E+22	2,492518E+22	2,301246E+22	2,008130E+22	1,691738E+22	1,481037E+22	1,481059E+22	1,691794E+22	2,008178E+22
-2546	2,301256E+22	2,492487E+22	2,574810E+22	2,574797E+22	2,492467E+22	2,301248E+22	2,008163E+22	1,691766E+22	1,481038E+22	1,481023E+22	1,691717E+22	2,008077E+22
-2545	2,301163E+22	2,492443E+22	2,574848E+22	2,574862E+22	2,492496E+22	2,301251E+22	2,008179E+22	1,691805E+22	1,481083E+22	1,481064E+22	1,691764E+22	2,008164E+22
-2544	2,301293E+22	2,492544E+22	2,574881E+22	2,574866E+22	2,492489E+22	2,301213E+22	2,008102E+22	1,691728E+22	1,481039E+22	1,481062E+22	1,691781E+22	2,008136E+22
-2543	2,301194E+22	2,492431E+22	2,574793E+22	2,574828E+22	2,492503E+22	2,301255E+22	2,008142E+22	1,691734E+22	1,481005E+22	1,480996E+22	1,691707E+22	2,008094E+22
-2542	2,301214E+22	2,492504E+22	2,574873E+22	2,574865E+22	2,492503E+22	2,301241E+22	2,008126E+22	1,691716E+22	1,480991E+22	1,481003E+22	1,691759E+22	2,008204E+22
-2541	2,301320E+22	2,492546E+22	2,574870E+22	2,574843E+22	2,492471E+22	2,301208E+22	2,008092E+22	1,691678E+22	1,480942E+22	1,480942E+22	1,691674E+22	2,008081E+22
-2540	2,301193E+22	2,492441E+22	2,574818E+22	2,574863E+22	2,492527E+22	2,301268E+22	2,008143E+22	1,691706E+22	1,480938E+22	1,480908E+22	1,691631E+22	2,008064E+22
-2539	2,301256E+22	2,492584E+22	2,574939E+22	2,574909E+22	2,492522E+22	2,301230E+22	2,008089E+22	1,691658E+22	1,480918E+22	1,480929E+22	1,691695E+22	2,008131E+22
-2538	2,301250E+22	2,492525E+22	2,574879E+22	2,574861E+22	2,492497E+22	2,301230E+22	2,008094E+22	1,691649E+22	1,480893E+22	1,480889E+22	1,691623E+22	2,008027E+22
-2537	2,301134E+22	2,492417E+22	2,574844E+22	2,574895E+22	2,492542E+22	2,301269E+22	2,008133E+22	1,691691E+22	1,480930E+22	1,480919E+22	1,691664E+22	2,008112E+22
-2536	2,301279E+22	2,492546E+22	2,574886E+22	2,574893E+22	2,492534E+22	2,301242E+22	2,008078E+22	1,691636E+22	1,480904E+22	1,480934E+22	1,691708E+22	2,008129E+22
-2535	2,301228E+22	2,492463E+22	2,574790E+22	2,574811E+22	2,492502E+22	2,301262E+22	2,008128E+22	1,691677E+22	1,480912E+22	1,480898E+22	1,691634E+22	2,008061E+22
-2534	2,301203E+22	2,492498E+22	2,574864E+22	2,574844E+22	2,492481E+22	2,301233E+22	2,008129E+22	1,691715E+22	1,480972E+22	1,480966E+22	1,691713E+22	2,008169E+22
-2533	2,301318E+22	2,492572E+22	2,574904E+22	2,574861E+22	2,492457E+22	2,301179E+22	2,008078E+22	1,691693E+22	1,480980E+22	1,480989E+22	1,691712E+22	2,008092E+22

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	2,301181E+22	2,492425E+22	2,574805E+22	2,574855E+22	2,492514E+22	2,301248E+22	2,008138E+22	1,691742E+22	1,481018E+22	1,481006E+22	1,691705E+22	2,008081E+22
-2531	2,301212E+22	2,492526E+22	2,574905E+22	2,574894E+22	2,492517E+22	2,301236E+22	2,008120E+22	1,691735E+22	1,481040E+22	1,481064E+22	1,691808E+22	2,008207E+22
-2530	2,301278E+22	2,492508E+22	2,574850E+22	2,574836E+22	2,492478E+22	2,301231E+22	2,008134E+22	1,691746E+22	1,481044E+22	1,481055E+22	1,691755E+22	2,008102E+22
-2529	2,301156E+22	2,492388E+22	2,574776E+22	2,574827E+22	2,492502E+22	2,301275E+22	2,008204E+22	1,691830E+22	1,481112E+22	1,481088E+22	1,691769E+22	2,008144E+22
-2528	2,301271E+22	2,492545E+22	2,574873E+22	2,574854E+22	2,492492E+22	2,301235E+22	2,008148E+22	1,691792E+22	1,481112E+22	1,481124E+22	1,691828E+22	2,008180E+22
-2527	2,301234E+22	2,492465E+22	2,574800E+22	2,574795E+22	2,492457E+22	2,301233E+22	2,008170E+22	1,691812E+22	1,481112E+22	1,481091E+22	1,691752E+22	2,008086E+22
-2526	2,301156E+22	2,492425E+22	2,574820E+22	2,574835E+22	2,492471E+22	2,301226E+22	2,008167E+22	1,691825E+22	1,481135E+22	1,481129E+22	1,691819E+22	2,008193E+22
-2525	2,301290E+22	2,492534E+22	2,574873E+22	2,574855E+22	2,492466E+22	2,301190E+22	2,008105E+22	1,691756E+22	1,481080E+22	1,481104E+22	1,691815E+22	2,008159E+22
-2524	2,301193E+22	2,492406E+22	2,574761E+22	2,574809E+22	2,492496E+22	2,301258E+22	2,008163E+22	1,691771E+22	1,481050E+22	1,481036E+22	1,691732E+22	2,008102E+22
-2523	2,301208E+22	2,492506E+22	2,574875E+22	2,574854E+22	2,492488E+22	2,301233E+22	2,008135E+22	1,691746E+22	1,481031E+22	1,481033E+22	1,691770E+22	2,008200E+22
-2522	2,301314E+22	2,492554E+22	2,574881E+22	2,574845E+22	2,492462E+22	2,301203E+22	2,008104E+22	1,691707E+22	1,480990E+22	1,480993E+22	1,691697E+22	2,008065E+22
-2521	2,301159E+22	2,492414E+22	2,574796E+22	2,574845E+22	2,492505E+22	2,301251E+22	2,008154E+22	1,691751E+22	1,481007E+22	1,480980E+22	1,691679E+22	2,008069E+22
-2520	2,301217E+22	2,492541E+22	2,574903E+22	2,574898E+22	2,492531E+22	2,301236E+22	2,008095E+22	1,691690E+22	1,480977E+22	1,480994E+22	1,691745E+22	2,008153E+22
-2519	2,301229E+22	2,492477E+22	2,574833E+22	2,574840E+22	2,492499E+22	2,301243E+22	2,008115E+22	1,691688E+22	1,480950E+22	1,480945E+22	1,691665E+22	2,008065E+22
-2518	2,301156E+22	2,492402E+22	2,574791E+22	2,574832E+22	2,492496E+22	2,301247E+22	2,008142E+22	1,691726E+22	1,480982E+22	1,480974E+22	1,691710E+22	2,008146E+22
-2517	2,301300E+22	2,492560E+22	2,574878E+22	2,574856E+22	2,492478E+22	2,301202E+22	2,008089E+22	1,691689E+22	1,480967E+22	1,480984E+22	1,691733E+22	2,008138E+22
-2516	2,301225E+22	2,492463E+22	2,574789E+22	2,574800E+22	2,492476E+22	2,301241E+22	2,008139E+22	1,691728E+22	1,480989E+22	1,480970E+22	1,691673E+22	2,008057E+22
-2515	2,301176E+22	2,492496E+22	2,574886E+22	2,574860E+22	2,492476E+22	2,301212E+22	2,008122E+22	1,691744E+22	1,481035E+22	1,481033E+22	1,691757E+22	2,008176E+22
-2514	2,301298E+22	2,492554E+22	2,574902E+22	2,574878E+22	2,492479E+22	2,301193E+22	2,008089E+22	1,691719E+22	1,481037E+22	1,481063E+22	1,691767E+22	2,008108E+22
-2513	2,301160E+22	2,492387E+22	2,574762E+22	2,574827E+22	2,492505E+22	2,301260E+22	2,008173E+22	1,691798E+22	1,481090E+22	1,481079E+22	1,691762E+22	2,008110E+22
-2512	2,301201E+22	2,492490E+22	2,574854E+22	2,574861E+22	2,492515E+22	2,301253E+22	2,008156E+22	1,691794E+22	1,481111E+22	1,481123E+22	1,691842E+22	2,008221E+22
-2511	2,301273E+22	2,492488E+22	2,574817E+22	2,574803E+22	2,492460E+22	2,301236E+22	2,008171E+22	1,691816E+22	1,481128E+22	1,481120E+22	1,691783E+22	2,008111E+22
-2510	2,301161E+22	2,492386E+22	2,574752E+22	2,574774E+22	2,492439E+22	2,301233E+22	2,008206E+22	1,691879E+22	1,481190E+22	1,481167E+22	1,691819E+22	2,008153E+22
-2509	2,301252E+22	2,492531E+22	2,574871E+22	2,574839E+22	2,492446E+22	2,301185E+22	2,008140E+22	1,691836E+22	1,481182E+22	1,481195E+22	1,691876E+22	2,008194E+22
-2508	2,301210E+22	2,492427E+22	2,574773E+22	2,574786E+22	2,492452E+22	2,301221E+22	2,008166E+22	1,691838E+22	1,481171E+22	1,481163E+22	1,691810E+22	2,008110E+22
-2507	2,301143E+22	2,492406E+22	2,574809E+22	2,574822E+22	2,492461E+22	2,301217E+22	2,008160E+22	1,691833E+22	1,481164E+22	1,481167E+22	1,691854E+22	2,008221E+22
-2506	2,301306E+22	2,492533E+22	2,574860E+22	2,574843E+22	2,492464E+22	2,301196E+22	2,008116E+22	1,691771E+22	1,481108E+22	1,481137E+22	1,691835E+22	2,008163E+22
-2505	2,301195E+22	2,492406E+22	2,574741E+22	2,574775E+22	2,492466E+22	2,301249E+22	2,008184E+22	1,691817E+22	1,481104E+22	1,481079E+22	1,691749E+22	2,008097E+22
-2504	2,301188E+22	2,492493E+22	2,574869E+22	2,574852E+22	2,492488E+22	2,301233E+22	2,008149E+22	1,691787E+22	1,481088E+22	1,481079E+22	1,691785E+22	2,008186E+22
-2503	2,301280E+22	2,492523E+22	2,574873E+22	2,574855E+22	2,492476E+22	2,301211E+22	2,008120E+22	1,691749E+22	1,481053E+22	1,481051E+22	1,691729E+22	2,008072E+22
-2502	2,301142E+22	2,492382E+22	2,574757E+22	2,574807E+22	2,492483E+22	2,301241E+22	2,008157E+22	1,691778E+22	1,481062E+22	1,481047E+22	1,691737E+22	2,008101E+22
-2501	2,301209E+22	2,492511E+22	2,574873E+22	2,574867E+22	2,492499E+22	2,301221E+22	2,008113E+22	1,691733E+22	1,481029E+22	1,481045E+22	1,691786E+22	2,008184E+22
-2500	2,301235E+22	2,492451E+22	2,574789E+22	2,574801E+22	2,492476E+22	2,301239E+22	2,008137E+22	1,691736E+22	1,481014E+22	1,481005E+22	1,691704E+22	2,008081E+22
-2499	2,301160E+22	2,492414E+22	2,574793E+22	2,574803E+22	2,492458E+22	2,301222E+22	2,008143E+22	1,691761E+22	1,481039E+22	1,481026E+22	1,691738E+22	2,008156E+22
-2498	2,301306E+22	2,492576E+22	2,574897E+22	2,574856E+22	2,492458E+22	2,301181E+22	2,008089E+22	1,691719E+22	1,481031E+22	1,481055E+22	1,691772E+22	2,008134E+22
-2497	2,301200E+22	2,492441E+22	2,574779E+22	2,574791E+22	2,492459E+22	2,301221E+22	2,008144E+22	1,691774E+22	1,481066E+22	1,481053E+22	1,691731E+22	2,008072E+22

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	2,301147E+22	2,492455E+22	2,574858E+22	2,574862E+22	2,492498E+22	2,301227E+22	2,008135E+22	1,691781E+22	1,481099E+22	1,481102E+22	1,691805E+22	2,008197E+22
-2495	2,301282E+22	2,492514E+22	2,574864E+22	2,574859E+22	2,492486E+22	2,301216E+22	2,008124E+22	1,691770E+22	1,481103E+22	1,481123E+22	1,691805E+22	2,008133E+22
-2494	2,301169E+22	2,492368E+22	2,574713E+22	2,574762E+22	2,492460E+22	2,301248E+22	2,008197E+22	1,691852E+22	1,481161E+22	1,481146E+22	1,691807E+22	2,008131E+22
-2493	2,301201E+22	2,492485E+22	2,574841E+22	2,574822E+22	2,492459E+22	2,301220E+22	2,008178E+22	1,691862E+22	1,481191E+22	1,481189E+22	1,691871E+22	2,008221E+22
-2492	2,301255E+22	2,492466E+22	2,574801E+22	2,574785E+22	2,492432E+22	2,301212E+22	2,008181E+22	1,691871E+22	1,481214E+22	1,481206E+22	1,691832E+22	2,008111E+22
-2491	2,301132E+22	2,492372E+22	2,574758E+22	2,574773E+22	2,492423E+22	2,301206E+22	2,008191E+22	1,691901E+22	1,481248E+22	1,481236E+22	1,691873E+22	2,008176E+22
-2490	2,301244E+22	2,492513E+22	2,574865E+22	2,574840E+22	2,492450E+22	2,301185E+22	2,008137E+22	1,691846E+22	1,481224E+22	1,481258E+22	1,691928E+22	2,008218E+22
-2489	2,301204E+22	2,492398E+22	2,574740E+22	2,574758E+22	2,492437E+22	2,301223E+22	2,008185E+22	1,691872E+22	1,481218E+22	1,481215E+22	1,691853E+22	2,008139E+22
-2488	2,301149E+22	2,492389E+22	2,574778E+22	2,574805E+22	2,492468E+22	2,301230E+22	2,008182E+22	1,691868E+22	1,481206E+22	1,481199E+22	1,691865E+22	2,008223E+22
-2487	2,301308E+22	2,492531E+22	2,574849E+22	2,574827E+22	2,492459E+22	2,301209E+22	2,008148E+22	1,691822E+22	1,481165E+22	1,481175E+22	1,691842E+22	2,008156E+22
-2486	2,301189E+22	2,492402E+22	2,574732E+22	2,574743E+22	2,492426E+22	2,301223E+22	2,008191E+22	1,691858E+22	1,481168E+22	1,481141E+22	1,691786E+22	2,008097E+22
-2485	2,301158E+22	2,492462E+22	2,574861E+22	2,574845E+22	2,492462E+22	2,301206E+22	2,008155E+22	1,691830E+22	1,481148E+22	1,481140E+22	1,691823E+22	2,008191E+22
-2484	2,301249E+22	2,492471E+22	2,574834E+22	2,574837E+22	2,492474E+22	2,301215E+22	2,008132E+22	1,691782E+22	1,481111E+22	1,481120E+22	1,691784E+22	2,008096E+22
-2483	2,301134E+22	2,492362E+22	2,574734E+22	2,574773E+22	2,492456E+22	2,301229E+22	2,008158E+22	1,691795E+22	1,481097E+22	1,481091E+22	1,691778E+22	2,008135E+22
-2482	2,301232E+22	2,492513E+22	2,574856E+22	2,574835E+22	2,492473E+22	2,301211E+22	2,008121E+22	1,691756E+22	1,481072E+22	1,481094E+22	1,691815E+22	2,008194E+22
-2481	2,301245E+22	2,492457E+22	2,574780E+22	2,574765E+22	2,492433E+22	2,301215E+22	2,008149E+22	1,691784E+22	1,481080E+22	1,481067E+22	1,691738E+22	2,008087E+22
-2480	2,301150E+22	2,492406E+22	2,574794E+22	2,574810E+22	2,492458E+22	2,301208E+22	2,008144E+22	1,691797E+22	1,481102E+22	1,481086E+22	1,691764E+22	2,008148E+22
-2479	2,301280E+22	2,492552E+22	2,574895E+22	2,574872E+22	2,492478E+22	2,301192E+22	2,008105E+22	1,691762E+22	1,481098E+22	1,481121E+22	1,691814E+22	2,008147E+22
-2478	2,301185E+22	2,492411E+22	2,574751E+22	2,574764E+22	2,492443E+22	2,301219E+22	2,008157E+22	1,691812E+22	1,481131E+22	1,481128E+22	1,691792E+22	2,008101E+22
-2477	2,301131E+22	2,492414E+22	2,574825E+22	2,574833E+22	2,492471E+22	2,301225E+22	2,008171E+22	1,691842E+22	1,481166E+22	1,481164E+22	1,691845E+22	2,008213E+22
-2476	2,301275E+22	2,492478E+22	2,574818E+22	2,574821E+22	2,492469E+22	2,301224E+22	2,008161E+22	1,691836E+22	1,481187E+22	1,481200E+22	1,691851E+22	2,008142E+22
-2475	2,301162E+22	2,492369E+22	2,574705E+22	2,574719E+22	2,492411E+22	2,301221E+22	2,008206E+22	1,691900E+22	1,481235E+22	1,481218E+22	1,691849E+22	2,008142E+22
-2474	2,301197E+22	2,492478E+22	2,574841E+22	2,574809E+22	2,492429E+22	2,301192E+22	2,008175E+22	1,691897E+22	1,481266E+22	1,481275E+22	1,691924E+22	2,008225E+22
-2473	2,301233E+22	2,492434E+22	2,574776E+22	2,574764E+22	2,492407E+22	2,301186E+22	2,008178E+22	1,691910E+22	1,481288E+22	1,481291E+22	1,691901E+22	2,008142E+22
-2472	2,301119E+22	2,492332E+22	2,574723E+22	2,574768E+22	2,492436E+22	2,301208E+22	2,008191E+22	1,691921E+22	1,481293E+22	1,481290E+22	1,691918E+22	2,008205E+22
-2471	2,301250E+22	2,492491E+22	2,574838E+22	2,574824E+22	2,492452E+22	2,301203E+22	2,008164E+22	1,691881E+22	1,481266E+22	1,481294E+22	1,691955E+22	2,008243E+22
-2470	2,301225E+22	2,492400E+22	2,574716E+22	2,574711E+22	2,492395E+22	2,301209E+22	2,008202E+22	1,691911E+22	1,481265E+22	1,481256E+22	1,691878E+22	2,008146E+22
-2469	2,301150E+22	2,492393E+22	2,574785E+22	2,574786E+22	2,492427E+22	2,301211E+22	2,008207E+22	1,691922E+22	1,481264E+22	1,481241E+22	1,691873E+22	2,008201E+22
-2468	2,301282E+22	2,492509E+22	2,574844E+22	2,574827E+22	2,492453E+22	2,301204E+22	2,008163E+22	1,691869E+22	1,481235E+22	1,481242E+22	1,691874E+22	2,008138E+22
-2467	2,301152E+22	2,492383E+22	2,574732E+22	2,574740E+22	2,492417E+22	2,301212E+22	2,008187E+22	1,691880E+22	1,481216E+22	1,481200E+22	1,691832E+22	2,008114E+22
-2466	2,301145E+22	2,492430E+22	2,574840E+22	2,574835E+22	2,492461E+22	2,301210E+22	2,008160E+22	1,691847E+22	1,481193E+22	1,481201E+22	1,691872E+22	2,008211E+22
-2465	2,301240E+22	2,492432E+22	2,574786E+22	2,574796E+22	2,492446E+22	2,301209E+22	2,008152E+22	1,691823E+22	1,481164E+22	1,481176E+22	1,691833E+22	2,008128E+22
-2464	2,301146E+22	2,492344E+22	2,574700E+22	2,574749E+22	2,492446E+22	2,301225E+22	2,008170E+22	1,691830E+22	1,481145E+22	1,481134E+22	1,691800E+22	2,008143E+22
-2463	2,301243E+22	2,492520E+22	2,574855E+22	2,574815E+22	2,492448E+22	2,301203E+22	2,008138E+22	1,691802E+22	1,481133E+22	1,481143E+22	1,691838E+22	2,008195E+22
-2462	2,301240E+22	2,492454E+22	2,574779E+22	2,574743E+22	2,492391E+22	2,301178E+22	2,008144E+22	1,691819E+22	1,481147E+22	1,481140E+22	1,691789E+22	2,008095E+22
-2461	2,301127E+22	2,492378E+22	2,574792E+22	2,574812E+22	2,492442E+22	2,301192E+22	2,008152E+22	1,691838E+22	1,481166E+22	1,481154E+22	1,691810E+22	2,008155E+22

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	2,301253E+22	2,492502E+22	2,574856E+22	2,574859E+22	2,492486E+22	2,301209E+22	2,008128E+22	1,691805E+22	1,481166E+22	1,481195E+22	1,691868E+22	2,008164E+22
-2459	2,301175E+22	2,492390E+22	2,574725E+22	2,574730E+22	2,492420E+22	2,301218E+22	2,008177E+22	1,691851E+22	1,481185E+22	1,481185E+22	1,691837E+22	2,008130E+22
-2458	2,301146E+22	2,492402E+22	2,574799E+22	2,574799E+22	2,492442E+22	2,301219E+22	2,008191E+22	1,691889E+22	1,481236E+22	1,481232E+22	1,691881E+22	2,008214E+22
-2457	2,301264E+22	2,492463E+22	2,574797E+22	2,574781E+22	2,492421E+22	2,301199E+22	2,008182E+22	1,691901E+22	1,481274E+22	1,481281E+22	1,691902E+22	2,008152E+22
-2456	2,301146E+22	2,492345E+22	2,574693E+22	2,574720E+22	2,492404E+22	2,301202E+22	2,008206E+22	1,691941E+22	1,481309E+22	1,481293E+22	1,691894E+22	2,008148E+22
-2455	2,301182E+22	2,492455E+22	2,574828E+22	2,574807E+22	2,492431E+22	2,301195E+22	2,008187E+22	1,691936E+22	1,481331E+22	1,481342E+22	1,691977E+22	2,008252E+22
-2454	2,301231E+22	2,492412E+22	2,574749E+22	2,574734E+22	2,492381E+22	2,301175E+22	2,008185E+22	1,691941E+22	1,481343E+22	1,481356E+22	1,691961E+22	2,008179E+22
-2453	2,301126E+22	2,492312E+22	2,574702E+22	2,574745E+22	2,492410E+22	2,301205E+22	2,008221E+22	1,691967E+22	1,481343E+22	1,481333E+22	1,691942E+22	2,008214E+22
-2452	2,301252E+22	2,492478E+22	2,574812E+22	2,574801E+22	2,492443E+22	2,301213E+22	2,008197E+22	1,691936E+22	1,481330E+22	1,481347E+22	1,691978E+22	2,008234E+22
-2451	2,301215E+22	2,492413E+22	2,574729E+22	2,574693E+22	2,492361E+22	2,301190E+22	2,008212E+22	1,691950E+22	1,481321E+22	1,481306E+22	1,691903E+22	2,008141E+22
-2450	2,301131E+22	2,492376E+22	2,574788E+22	2,574791E+22	2,492414E+22	2,301193E+22	2,008205E+22	1,691952E+22	1,481327E+22	1,481311E+22	1,691911E+22	2,008189E+22
-2449	2,301240E+22	2,492464E+22	2,574814E+22	2,574813E+22	2,492442E+22	2,301194E+22	2,008168E+22	1,691904E+22	1,481297E+22	1,481315E+22	1,691936E+22	2,008165E+22
-2448	2,301135E+22	2,492332E+22	2,574685E+22	2,574724E+22	2,492421E+22	2,301213E+22	2,008189E+22	1,691898E+22	1,481254E+22	1,481246E+22	1,691872E+22	2,008140E+22
-2447	2,301154E+22	2,492408E+22	2,574799E+22	2,574801E+22	2,492444E+22	2,301216E+22	2,008183E+22	1,691881E+22	1,481232E+22	1,481235E+22	1,691902E+22	2,008239E+22
-2446	2,301264E+22	2,492437E+22	2,574761E+22	2,574743E+22	2,492389E+22	2,301176E+22	2,008156E+22	1,691858E+22	1,481214E+22	1,481222E+22	1,691866E+22	2,008143E+22
-2445	2,301152E+22	2,492350E+22	2,574707E+22	2,574733E+22	2,492401E+22	2,301195E+22	2,008182E+22	1,691873E+22	1,481200E+22	1,481180E+22	1,691818E+22	2,008132E+22
-2444	2,301222E+22	2,492504E+22	2,574855E+22	2,574826E+22	2,492448E+22	2,301196E+22	2,008147E+22	1,691841E+22	1,481199E+22	1,481213E+22	1,691879E+22	2,008187E+22
-2443	2,301212E+22	2,492445E+22	2,574784E+22	2,574745E+22	2,492387E+22	2,301172E+22	2,008143E+22	1,691841E+22	1,481196E+22	1,481200E+22	1,691839E+22	2,008115E+22
-2442	2,301116E+22	2,492347E+22	2,574771E+22	2,574806E+22	2,492445E+22	2,301204E+22	2,008169E+22	1,691871E+22	1,481225E+22	1,481221E+22	1,691856E+22	2,008165E+22
-2441	2,301236E+22	2,492462E+22	2,574808E+22	2,574821E+22	2,492465E+22	2,301215E+22	2,008165E+22	1,691868E+22	1,481240E+22	1,481264E+22	1,691918E+22	2,008188E+22
-2440	2,301177E+22	2,492362E+22	2,574683E+22	2,574702E+22	2,492404E+22	2,301215E+22	2,008203E+22	1,691910E+22	1,481261E+22	1,481248E+22	1,691869E+22	2,008136E+22
-2439	2,301146E+22	2,492396E+22	2,574783E+22	2,574771E+22	2,492409E+22	2,301208E+22	2,008219E+22	1,691954E+22	1,481320E+22	1,481305E+22	1,691927E+22	2,008224E+22
-2438	2,301250E+22	2,492446E+22	2,574781E+22	2,574751E+22	2,492370E+22	2,301155E+22	2,008177E+22	1,691948E+22	1,481357E+22	1,481373E+22	1,691973E+22	2,008178E+22
-2437	2,301131E+22	2,492317E+22	2,574678E+22	2,574708E+22	2,492377E+22	2,301182E+22	2,008212E+22	1,691978E+22	1,481374E+22	1,481366E+22	1,691951E+22	2,008172E+22
-2436	2,301172E+22	2,492423E+22	2,574794E+22	2,574790E+22	2,492428E+22	2,301201E+22	2,008203E+22	1,691972E+22	1,481391E+22	1,481410E+22	1,692029E+22	2,008272E+22
-2435	2,301236E+22	2,492416E+22	2,574737E+22	2,574708E+22	2,492356E+22	2,301167E+22	2,008196E+22	1,691971E+22	1,481386E+22	1,481399E+22	1,691993E+22	2,008200E+22
-2434	2,301144E+22	2,492321E+22	2,574700E+22	2,574733E+22	2,492393E+22	2,301198E+22	2,008233E+22	1,692007E+22	1,481403E+22	1,481384E+22	1,691959E+22	2,008197E+22
-2433	2,301228E+22	2,492464E+22	2,574802E+22	2,574784E+22	2,492418E+22	2,301199E+22	2,008217E+22	1,691991E+22	1,481402E+22	1,481410E+22	1,692011E+22	2,008228E+22
-2432	2,301183E+22	2,492375E+22	2,574715E+22	2,574711E+22	2,492374E+22	2,301184E+22	2,008216E+22	1,691984E+22	1,481379E+22	1,481365E+22	1,691937E+22	2,008140E+22
-2431	2,301106E+22	2,492341E+22	2,574758E+22	2,574783E+22	2,492419E+22	2,301204E+22	2,008223E+22	1,691986E+22	1,481375E+22	1,481363E+22	1,691960E+22	2,008213E+22
-2430	2,301223E+22	2,492423E+22	2,574766E+22	2,574770E+22	2,492407E+22	2,301179E+22	2,008176E+22	1,691932E+22	1,481342E+22	1,481369E+22	1,691991E+22	2,008205E+22
-2429	2,301145E+22	2,492313E+22	2,574651E+22	2,574685E+22	2,492383E+22	2,301202E+22	2,008211E+22	1,691935E+22	1,481297E+22	1,481284E+22	1,691897E+22	2,008156E+22
-2428	2,301167E+22	2,492409E+22	2,574774E+22	2,574767E+22	2,492415E+22	2,301206E+22	2,008199E+22	1,691924E+22	1,481290E+22	1,481286E+22	1,691926E+22	2,008233E+22
-2427	2,301264E+22	2,492465E+22	2,574779E+22	2,574728E+22	2,492348E+22	2,301141E+22	2,008150E+22	1,691885E+22	1,481264E+22	1,481272E+22	1,691895E+22	2,008148E+22
-2426	2,301144E+22	2,492347E+22	2,574719E+22	2,574749E+22	2,492395E+22	2,301172E+22	2,008169E+22	1,691898E+22	1,481261E+22	1,481245E+22	1,691855E+22	2,008123E+22
-2425	2,301183E+22	2,492462E+22	2,574829E+22	2,574822E+22	2,492450E+22	2,301198E+22	2,008159E+22	1,691880E+22	1,481261E+22	1,481281E+22	1,691935E+22	2,008211E+22

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	2,301193E+22	2,492395E+22	2,574743E+22	2,574744E+22	2,492401E+22	2,301186E+22	2,008164E+22	1,691876E+22	1,481246E+22	1,481252E+22	1,691878E+22	2,008136E+22
-2423	2,301119E+22	2,492326E+22	2,574727E+22	2,574770E+22	2,492430E+22	2,301219E+22	2,008211E+22	1,691930E+22	1,481287E+22	1,481272E+22	1,691894E+22	2,008183E+22
-2422	2,301235E+22	2,492451E+22	2,574775E+22	2,574766E+22	2,492408E+22	2,301188E+22	2,008185E+22	1,691929E+22	1,481322E+22	1,481338E+22	1,691966E+22	2,008204E+22
-2421	2,301172E+22	2,492355E+22	2,574676E+22	2,574676E+22	2,492355E+22	2,301184E+22	2,008220E+22	1,691969E+22	1,481345E+22	1,481326E+22	1,691910E+22	2,008134E+22
-2420	2,301124E+22	2,492374E+22	2,574767E+22	2,574766E+22	2,492398E+22	2,301192E+22	2,008225E+22	1,692004E+22	1,481406E+22	1,481397E+22	1,691989E+22	2,008233E+22
-2419	2,301233E+22	2,492440E+22	2,574775E+22	2,574741E+22	2,492354E+22	2,301137E+22	2,008172E+22	1,691973E+22	1,481414E+22	1,481444E+22	1,692037E+22	2,008218E+22
-2418	2,301134E+22	2,492297E+22	2,574660E+22	2,574702E+22	2,492374E+22	2,301180E+22	2,008218E+22	1,692009E+22	1,481432E+22	1,481428E+22	1,691995E+22	2,008190E+22
-2417	2,301167E+22	2,492398E+22	2,574761E+22	2,574765E+22	2,492415E+22	2,301206E+22	2,008234E+22	1,692026E+22	1,481455E+22	1,481468E+22	1,692068E+22	2,008292E+22
-2416	2,301238E+22	2,492400E+22	2,574716E+22	2,574698E+22	2,492350E+22	2,301166E+22	2,008217E+22	1,692017E+22	1,481446E+22	1,481447E+22	1,692009E+22	2,008191E+22
-2415	2,301131E+22	2,492315E+22	2,574691E+22	2,574720E+22	2,492376E+22	2,301196E+22	2,008260E+22	1,692062E+22	1,481470E+22	1,481442E+22	1,691993E+22	2,008192E+22
-2414	2,301190E+22	2,492430E+22	2,574779E+22	2,574764E+22	2,492387E+22	2,301169E+22	2,008215E+22	1,692030E+22	1,481471E+22	1,481484E+22	1,692068E+22	2,008248E+22
-2413	2,301159E+22	2,492332E+22	2,574677E+22	2,574684E+22	2,492352E+22	2,301176E+22	2,008227E+22	1,692014E+22	1,481430E+22	1,481421E+22	1,691982E+22	2,008164E+22
-2412	2,301099E+22	2,492305E+22	2,574707E+22	2,574746E+22	2,492404E+22	2,301207E+22	2,008239E+22	1,692017E+22	1,481422E+22	1,481415E+22	1,692002E+22	2,008237E+22
-2411	2,301239E+22	2,492435E+22	2,574745E+22	2,574725E+22	2,492362E+22	2,301154E+22	2,008177E+22	1,691953E+22	1,481374E+22	1,481401E+22	1,692018E+22	2,008231E+22
-2410	2,301169E+22	2,492336E+22	2,574657E+22	2,574669E+22	2,492351E+22	2,301173E+22	2,008203E+22	1,691962E+22	1,481347E+22	1,481325E+22	1,691909E+22	2,008143E+22
-2409	2,301150E+22	2,492409E+22	2,574781E+22	2,574765E+22	2,492396E+22	2,301185E+22	2,008202E+22	1,691963E+22	1,481351E+22	1,481342E+22	1,691956E+22	2,008230E+22
-2408	2,301238E+22	2,492438E+22	2,574779E+22	2,574761E+22	2,492371E+22	2,301139E+22	2,008149E+22	1,691911E+22	1,481314E+22	1,481323E+22	1,691924E+22	2,008147E+22
-2407	2,301121E+22	2,492322E+22	2,574701E+22	2,574754E+22	2,492414E+22	2,301196E+22	2,008197E+22	1,691938E+22	1,481313E+22	1,481299E+22	1,691902E+22	2,008142E+22
-2406	2,301155E+22	2,492417E+22	2,574785E+22	2,574789E+22	2,492429E+22	2,301197E+22	2,008185E+22	1,691930E+22	1,481326E+22	1,481345E+22	1,691986E+22	2,008241E+22
-2405	2,301193E+22	2,492367E+22	2,574700E+22	2,574700E+22	2,492371E+22	2,301190E+22	2,008205E+22	1,691938E+22	1,481318E+22	1,481313E+22	1,691913E+22	2,008147E+22
-2404	2,301118E+22	2,492316E+22	2,574692E+22	2,574725E+22	2,492395E+22	2,301211E+22	2,008241E+22	1,691997E+22	1,481377E+22	1,481355E+22	1,691939E+22	2,008184E+22
-2403	2,301222E+22	2,492459E+22	2,574773E+22	2,574737E+22	2,492357E+22	2,301145E+22	2,008181E+22	1,691973E+22	1,481400E+22	1,481420E+22	1,692025E+22	2,008229E+22
-2402	2,301164E+22	2,492344E+22	2,574675E+22	2,574678E+22	2,492339E+22	2,301149E+22	2,008199E+22	1,692001E+22	1,481426E+22	1,481415E+22	1,691971E+22	2,008151E+22
-2401	2,301101E+22	2,492337E+22	2,574734E+22	2,574748E+22	2,492389E+22	2,301183E+22	2,008227E+22	1,692037E+22	1,481472E+22	1,481474E+22	1,692056E+22	2,008273E+22
-2400	2,301230E+22	2,492403E+22	2,574742E+22	2,574738E+22	2,492361E+22	2,301143E+22	2,008187E+22	1,692003E+22	1,481461E+22	1,481492E+22	1,692071E+22	2,008242E+22
-2399	2,301150E+22	2,492299E+22	2,574639E+22	2,574678E+22	2,492362E+22	2,301191E+22	2,008254E+22	1,692062E+22	1,481484E+22	1,481470E+22	1,692023E+22	2,008198E+22
-2398	2,301154E+22	2,492388E+22	2,574743E+22	2,574729E+22	2,492372E+22	2,301185E+22	2,008254E+22	1,692083E+22	1,481528E+22	1,481528E+22	1,692098E+22	2,008293E+22
-2397	2,301220E+22	2,492385E+22	2,574710E+22	2,574685E+22	2,492327E+22	2,301157E+22	2,008240E+22	1,692068E+22	1,481518E+22	1,481512E+22	1,692039E+22	2,008180E+22
-2396	2,301098E+22	2,492284E+22	2,574664E+22	2,574707E+22	2,492375E+22	2,301196E+22	2,008273E+22	1,692106E+22	1,481542E+22	1,481519E+22	1,692043E+22	2,008196E+22
-2395	2,301164E+22	2,492409E+22	2,574754E+22	2,574736E+22	2,492365E+22	2,301157E+22	2,008214E+22	1,692050E+22	1,481516E+22	1,481540E+22	1,692120E+22	2,008287E+22
-2394	2,301166E+22	2,492312E+22	2,574651E+22	2,574662E+22	2,492334E+22	2,301160E+22	2,008223E+22	1,692039E+22	1,481479E+22	1,481470E+22	1,692015E+22	2,008182E+22
-2393	2,301102E+22	2,492291E+22	2,574674E+22	2,574709E+22	2,492376E+22	2,301195E+22	2,008253E+22	1,692057E+22	1,481474E+22	1,481460E+22	1,692032E+22	2,008257E+22
-2392	2,301246E+22	2,492433E+22	2,574744E+22	2,574722E+22	2,492347E+22	2,301138E+22	2,008182E+22	1,691985E+22	1,481421E+22	1,481439E+22	1,692030E+22	2,008225E+22
-2391	2,301163E+22	2,492346E+22	2,574671E+22	2,574674E+22	2,492341E+22	2,301164E+22	2,008216E+22	1,692000E+22	1,481398E+22	1,481375E+22	1,691941E+22	2,008139E+22
-2390	2,301111E+22	2,492378E+22	2,574770E+22	2,574761E+22	2,492386E+22	2,301167E+22	2,008200E+22	1,691994E+22	1,481411E+22	1,481409E+22	1,692005E+22	2,008248E+22
-2389	2,301215E+22	2,492398E+22	2,574746E+22	2,574742E+22	2,492373E+22	2,301154E+22	2,008170E+22	1,691943E+22	1,481366E+22	1,481380E+22	1,691964E+22	2,008163E+22

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	2,301110E+22	2,492287E+22	2,574651E+22	2,574717E+22	2,492408E+22	2,301213E+22	2,008231E+22	1,691988E+22	1,481377E+22	1,481363E+22	1,691945E+22	2,008159E+22
-2387	2,301158E+22	2,492415E+22	2,574754E+22	2,574739E+22	2,492386E+22	2,301178E+22	2,008201E+22	1,691976E+22	1,481388E+22	1,481401E+22	1,692024E+22	2,008266E+22
-2386	2,301202E+22	2,492369E+22	2,574690E+22	2,574672E+22	2,492331E+22	2,301155E+22	2,008203E+22	1,691989E+22	1,481401E+22	1,481386E+22	1,691947E+22	2,008145E+22
-2385	2,301096E+22	2,492299E+22	2,574682E+22	2,574709E+22	2,492366E+22	2,301183E+22	2,008244E+22	1,692047E+22	1,481460E+22	1,481440E+22	1,691997E+22	2,008204E+22
-2384	2,301203E+22	2,492427E+22	2,574763E+22	2,574748E+22	2,492358E+22	2,301131E+22	2,008176E+22	1,692000E+22	1,481461E+22	1,481490E+22	1,692074E+22	2,008248E+22
-2383	2,301156E+22	2,492326E+22	2,574658E+22	2,574669E+22	2,492342E+22	2,301161E+22	2,008219E+22	1,692037E+22	1,481477E+22	1,481476E+22	1,692028E+22	2,008181E+22
-2382	2,301090E+22	2,492306E+22	2,574700E+22	2,574718E+22	2,492368E+22	2,301177E+22	2,008246E+22	1,692083E+22	1,481536E+22	1,481536E+22	1,692101E+22	2,008303E+22
-2381	2,301241E+22	2,492390E+22	2,574709E+22	2,574699E+22	2,492341E+22	2,301154E+22	2,008224E+22	1,692061E+22	1,481530E+22	1,481546E+22	1,692093E+22	2,008239E+22
-2380	2,301143E+22	2,492295E+22	2,574621E+22	2,574648E+22	2,492339E+22	2,301192E+22	2,008289E+22	1,692130E+22	1,481571E+22	1,481545E+22	1,692054E+22	2,008185E+22
-2379	2,301128E+22	2,492381E+22	2,574742E+22	2,574711E+22	2,492334E+22	2,301152E+22	2,008255E+22	1,692128E+22	1,481601E+22	1,481602E+22	1,692145E+22	2,008302E+22
-2378	2,301196E+22	2,492355E+22	2,574696E+22	2,574681E+22	2,492315E+22	2,301131E+22	2,008226E+22	1,692101E+22	1,481591E+22	1,481589E+22	1,692091E+22	2,008192E+22
-2377	2,301070E+22	2,492238E+22	2,574620E+22	2,574676E+22	2,492360E+22	2,301191E+22	2,008280E+22	1,692135E+22	1,481597E+22	1,481585E+22	1,692102E+22	2,008236E+22
-2376	2,301166E+22	2,492373E+22	2,574718E+22	2,574716E+22	2,492353E+22	2,301152E+22	2,008222E+22	1,692072E+22	1,481550E+22	1,481575E+22	1,692146E+22	2,008310E+22
-2375	2,301190E+22	2,492325E+22	2,574640E+22	2,574636E+22	2,492312E+22	2,301157E+22	2,008242E+22	1,692074E+22	1,481517E+22	1,481504E+22	1,692039E+22	2,008190E+22
-2374	2,301097E+22	2,492292E+22	2,574674E+22	2,574687E+22	2,492338E+22	2,301164E+22	2,008253E+22	1,692093E+22	1,481530E+22	1,481509E+22	1,692056E+22	2,008258E+22
-2373	2,301235E+22	2,492425E+22	2,574747E+22	2,574722E+22	2,492342E+22	2,301136E+22	2,008193E+22	1,692018E+22	1,481475E+22	1,481492E+22	1,692053E+22	2,008214E+22
-2372	2,301136E+22	2,492322E+22	2,574659E+22	2,574676E+22	2,492357E+22	2,301179E+22	2,008233E+22	1,692036E+22	1,481458E+22	1,481441E+22	1,691983E+22	2,008142E+22
-2371	2,301085E+22	2,492348E+22	2,574745E+22	2,574741E+22	2,492376E+22	2,301169E+22	2,008214E+22	1,692022E+22	1,481457E+22	1,481462E+22	1,692050E+22	2,008278E+22
-2370	2,301216E+22	2,492373E+22	2,574717E+22	2,574720E+22	2,492361E+22	2,301150E+22	2,008183E+22	1,691986E+22	1,481430E+22	1,481437E+22	1,691999E+22	2,008177E+22
-2369	2,301107E+22	2,492265E+22	2,574608E+22	2,574663E+22	2,492372E+22	2,301205E+22	2,008255E+22	1,692044E+22	1,481450E+22	1,481429E+22	1,691986E+22	2,008177E+22
-2368	2,301154E+22	2,492395E+22	2,574741E+22	2,574718E+22	2,492353E+22	2,301156E+22	2,008210E+22	1,692022E+22	1,481458E+22	1,481465E+22	1,692055E+22	2,008269E+22
-2367	2,301198E+22	2,492369E+22	2,574695E+22	2,574665E+22	2,492307E+22	2,301131E+22	2,008207E+22	1,692032E+22	1,481470E+22	1,481463E+22	1,692006E+22	2,008159E+22
-2366	2,301066E+22	2,492261E+22	2,574660E+22	2,574692E+22	2,492341E+22	2,301153E+22	2,008233E+22	1,692079E+22	1,481530E+22	1,481521E+22	1,692063E+22	2,008240E+22
-2365	2,301199E+22	2,492394E+22	2,574729E+22	2,574720E+22	2,492352E+22	2,301143E+22	2,008194E+22	1,692033E+22	1,481517E+22	1,481553E+22	1,692121E+22	2,008272E+22
-2364	2,301161E+22	2,492310E+22	2,574627E+22	2,574638E+22	2,492330E+22	2,301174E+22	2,008254E+22	1,692089E+22	1,481544E+22	1,481539E+22	1,692064E+22	2,008192E+22
-2363	2,301096E+22	2,492312E+22	2,574686E+22	2,574681E+22	2,492330E+22	2,301163E+22	2,008266E+22	1,692133E+22	1,481601E+22	1,481593E+22	1,692129E+22	2,008309E+22
-2362	2,301240E+22	2,492393E+22	2,574714E+22	2,574689E+22	2,492315E+22	2,301128E+22	2,008229E+22	1,692118E+22	1,481617E+22	1,481619E+22	1,692121E+22	2,008223E+22
-2361	2,301106E+22	2,492264E+22	2,574607E+22	2,574637E+22	2,492326E+22	2,301180E+22	2,008301E+22	1,692183E+22	1,481654E+22	1,481630E+22	1,692111E+22	2,008196E+22
-2360	2,301093E+22	2,492326E+22	2,574721E+22	2,574716E+22	2,492339E+22	2,301151E+22	2,008261E+22	1,692159E+22	1,481660E+22	1,481668E+22	1,692193E+22	2,008321E+22
-2359	2,301186E+22	2,492325E+22	2,574669E+22	2,574663E+22	2,492310E+22	2,301139E+22	2,008247E+22	1,692134E+22	1,481635E+22	1,481647E+22	1,692149E+22	2,008225E+22
-2358	2,301065E+22	2,492204E+22	2,574580E+22	2,574635E+22	2,492327E+22	2,301176E+22	2,008290E+22	1,692170E+22	1,481648E+22	1,481637E+22	1,692144E+22	2,008270E+22
-2357	2,301190E+22	2,492372E+22	2,574690E+22	2,574670E+22	2,492325E+22	2,301154E+22	2,008243E+22	1,692110E+22	1,481600E+22	1,481618E+22	1,692163E+22	2,008308E+22
-2356	2,301193E+22	2,492335E+22	2,574644E+22	2,574617E+22	2,492288E+22	2,301148E+22	2,008259E+22	1,692119E+22	1,481580E+22	1,481562E+22	1,692063E+22	2,008180E+22
-2355	2,301084E+22	2,492293E+22	2,574684E+22	2,574686E+22	2,492316E+22	2,301135E+22	2,008244E+22	1,692117E+22	1,481580E+22	1,481566E+22	1,692093E+22	2,008265E+22
-2354	2,301218E+22	2,492399E+22	2,574736E+22	2,574726E+22	2,492345E+22	2,301121E+22	2,008182E+22	1,692042E+22	1,481531E+22	1,481549E+22	1,692089E+22	2,008218E+22
-2353	2,301110E+22	2,492277E+22	2,574619E+22	2,574649E+22	2,492352E+22	2,301191E+22	2,008254E+22	1,692070E+22	1,481507E+22	1,481497E+22	1,692032E+22	2,008173E+22

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	2,301081E+22	2,492306E+22	2,574709E+22	2,574716E+22	2,492358E+22	2,301170E+22	2,008235E+22	1,692058E+22	1,481500E+22	1,481500E+22	1,692072E+22	2,008287E+22
-2351	2,301225E+22	2,492373E+22	2,574701E+22	2,574683E+22	2,492327E+22	2,301143E+22	2,008210E+22	1,692035E+22	1,481484E+22	1,481489E+22	1,692034E+22	2,008181E+22
-2350	2,301092E+22	2,492252E+22	2,574599E+22	2,574632E+22	2,492323E+22	2,301167E+22	2,008256E+22	1,692091E+22	1,481527E+22	1,481503E+22	1,692030E+22	2,008188E+22
-2349	2,301148E+22	2,492379E+22	2,574726E+22	2,574698E+22	2,492335E+22	2,301145E+22	2,008215E+22	1,692060E+22	1,481528E+22	1,481540E+22	1,692101E+22	2,008272E+22
-2348	2,301181E+22	2,492347E+22	2,574680E+22	2,574658E+22	2,492307E+22	2,301134E+22	2,008221E+22	1,692072E+22	1,481541E+22	1,481543E+22	1,692062E+22	2,008179E+22
-2347	2,301060E+22	2,492242E+22	2,574642E+22	2,574672E+22	2,492323E+22	2,301145E+22	2,008242E+22	1,692111E+22	1,481584E+22	1,481583E+22	1,692114E+22	2,008273E+22
-2346	2,301209E+22	2,492378E+22	2,574709E+22	2,574704E+22	2,492340E+22	2,301135E+22	2,008210E+22	1,692086E+22	1,481590E+22	1,481614E+22	1,692154E+22	2,008278E+22
-2345	2,301154E+22	2,492296E+22	2,574604E+22	2,574604E+22	2,492307E+22	2,301177E+22	2,008288E+22	1,692154E+22	1,481626E+22	1,481613E+22	1,692106E+22	2,008199E+22
-2344	2,301076E+22	2,492284E+22	2,574682E+22	2,574675E+22	2,492308E+22	2,301151E+22	2,008286E+22	1,692189E+22	1,481679E+22	1,481665E+22	1,692163E+22	2,008299E+22
-2343	2,301215E+22	2,492373E+22	2,574711E+22	2,574688E+22	2,492305E+22	2,301119E+22	2,008244E+22	1,692165E+22	1,481689E+22	1,481703E+22	1,692188E+22	2,008237E+22
-2342	2,301069E+22	2,492210E+22	2,574567E+22	2,574609E+22	2,492302E+22	2,301161E+22	2,008300E+22	1,692218E+22	1,481724E+22	1,481711E+22	1,692180E+22	2,008238E+22
-2341	2,301095E+22	2,492286E+22	2,574665E+22	2,574668E+22	2,492323E+22	2,301163E+22	2,008280E+22	1,692190E+22	1,481710E+22	1,481725E+22	1,692238E+22	2,008349E+22
-2340	2,301204E+22	2,492317E+22	2,574637E+22	2,574623E+22	2,492283E+22	2,301139E+22	2,008272E+22	1,692178E+22	1,481688E+22	1,481696E+22	1,692180E+22	2,008242E+22
-2339	2,301086E+22	2,492219E+22	2,574573E+22	2,574601E+22	2,492279E+22	2,301145E+22	2,008291E+22	1,692201E+22	1,481692E+22	1,481676E+22	1,692165E+22	2,008277E+22
-2338	2,301198E+22	2,492387E+22	2,574710E+22	2,574674E+22	2,492302E+22	2,301120E+22	2,008235E+22	1,692146E+22	1,481660E+22	1,481668E+22	1,692181E+22	2,008291E+22
-2337	2,301165E+22	2,492318E+22	2,574645E+22	2,574622E+22	2,492287E+22	2,301143E+22	2,008264E+22	1,692149E+22	1,481633E+22	1,481621E+22	1,692102E+22	2,008181E+22
-2336	2,301049E+22	2,492246E+22	2,574673E+22	2,574698E+22	2,492328E+22	2,301145E+22	2,008254E+22	1,692138E+22	1,481618E+22	1,481609E+22	1,692121E+22	2,008267E+22
-2335	2,301203E+22	2,492371E+22	2,574716E+22	2,574718E+22	2,492348E+22	2,301139E+22	2,008211E+22	1,692076E+22	1,481568E+22	1,481594E+22	1,692133E+22	2,008236E+22
-2334	2,301096E+22	2,492236E+22	2,574571E+22	2,574605E+22	2,492318E+22	2,301180E+22	2,008275E+22	1,692118E+22	1,481567E+22	1,481551E+22	1,692070E+22	2,008197E+22
-2333	2,301094E+22	2,492291E+22	2,574667E+22	2,574660E+22	2,492324E+22	2,301172E+22	2,008262E+22	1,692110E+22	1,481567E+22	1,481559E+22	1,692101E+22	2,008282E+22
-2332	2,301219E+22	2,492371E+22	2,574696E+22	2,574658E+22	2,492289E+22	2,301122E+22	2,008226E+22	1,692090E+22	1,481564E+22	1,481568E+22	1,692079E+22	2,008184E+22
-2331	2,301079E+22	2,492239E+22	2,574595E+22	2,574622E+22	2,492289E+22	2,301125E+22	2,008239E+22	1,692118E+22	1,481590E+22	1,481580E+22	1,692090E+22	2,008213E+22
-2330	2,301142E+22	2,492358E+22	2,574713E+22	2,574696E+22	2,492325E+22	2,301120E+22	2,008202E+22	1,692088E+22	1,481593E+22	1,481612E+22	1,692154E+22	2,008293E+22
-2329	2,301171E+22	2,492315E+22	2,574648E+22	2,574634E+22	2,492300E+22	2,301142E+22	2,008240E+22	1,692110E+22	1,481599E+22	1,481608E+22	1,692117E+22	2,008211E+22
-2328	2,301063E+22	2,492217E+22	2,574622E+22	2,574658E+22	2,492310E+22	2,301149E+22	2,008270E+22	1,692158E+22	1,481640E+22	1,481631E+22	1,692138E+22	2,008276E+22
-2327	2,301213E+22	2,492383E+22	2,574707E+22	2,574688E+22	2,492320E+22	2,301136E+22	2,008245E+22	1,692145E+22	1,481658E+22	1,481678E+22	1,692192E+22	2,008273E+22
-2326	2,301124E+22	2,492268E+22	2,574592E+22	2,574587E+22	2,492274E+22	2,301155E+22	2,008304E+22	1,692216E+22	1,481716E+22	1,481698E+22	1,692158E+22	2,008210E+22
-2325	2,301058E+22	2,492246E+22	2,574645E+22	2,574652E+22	2,492303E+22	2,301159E+22	2,008305E+22	1,692237E+22	1,481757E+22	1,481748E+22	1,692219E+22	2,008304E+22
-2324	2,301187E+22	2,492337E+22	2,574679E+22	2,574666E+22	2,492297E+22	2,301127E+22	2,008268E+22	1,692213E+22	1,481761E+22	1,481782E+22	1,692249E+22	2,008268E+22
-2323	2,301073E+22	2,492186E+22	2,574533E+22	2,574573E+22	2,492268E+22	2,301143E+22	2,008306E+22	1,692249E+22	1,481776E+22	1,481770E+22	1,692232E+22	2,008280E+22
-2322	2,301123E+22	2,492284E+22	2,574638E+22	2,574634E+22	2,492286E+22	2,301133E+22	2,008284E+22	1,692233E+22	1,481769E+22	1,481772E+22	1,692262E+22	2,008355E+22
-2321	2,301209E+22	2,492322E+22	2,574626E+22	2,574594E+22	2,492252E+22	2,301125E+22	2,008287E+22	1,692222E+22	1,481748E+22	1,481749E+22	1,692209E+22	2,008245E+22
-2320	2,301073E+22	2,492214E+22	2,574594E+22	2,574613E+22	2,492259E+22	2,301121E+22	2,008292E+22	1,692232E+22	1,481741E+22	1,481721E+22	1,692183E+22	2,008260E+22
-2319	2,301171E+22	2,492373E+22	2,574719E+22	2,574692E+22	2,492307E+22	2,301116E+22	2,008240E+22	1,692170E+22	1,481703E+22	1,481723E+22	1,692226E+22	2,008291E+22
-2318	2,301121E+22	2,492265E+22	2,574613E+22	2,574613E+22	2,492283E+22	2,301141E+22	2,008270E+22	1,692176E+22	1,481683E+22	1,481678E+22	1,692151E+22	2,008210E+22
-2317	2,301046E+22	2,492203E+22	2,574610E+22	2,574653E+22	2,492323E+22	2,301170E+22	2,008283E+22	1,692172E+22	1,481663E+22	1,481654E+22	1,692152E+22	2,008275E+22

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	2,301200E+22	2,492355E+22	2,574680E+22	2,574677E+22	2,492322E+22	2,301142E+22	2,008244E+22	1,692129E+22	1,481628E+22	1,481644E+22	1,692160E+22	2,008246E+22
-2315	2,301106E+22	2,492239E+22	2,574556E+22	2,574567E+22	2,492263E+22	2,301141E+22	2,008275E+22	1,692158E+22	1,481629E+22	1,481608E+22	1,692104E+22	2,008208E+22
-2314	2,301097E+22	2,492294E+22	2,574668E+22	2,574652E+22	2,492287E+22	2,301124E+22	2,008252E+22	1,692153E+22	1,481640E+22	1,481627E+22	1,692139E+22	2,008280E+22
-2313	2,301195E+22	2,492351E+22	2,574685E+22	2,574656E+22	2,492282E+22	2,301111E+22	2,008227E+22	1,692123E+22	1,481629E+22	1,481643E+22	1,692142E+22	2,008208E+22
-2312	2,301058E+22	2,492206E+22	2,574588E+22	2,574629E+22	2,492290E+22	2,301127E+22	2,008246E+22	1,692142E+22	1,481635E+22	1,481633E+22	1,692133E+22	2,008233E+22
-2311	2,301141E+22	2,492343E+22	2,574700E+22	2,574692E+22	2,492329E+22	2,301136E+22	2,008231E+22	1,692125E+22	1,481639E+22	1,481668E+22	1,692204E+22	2,008314E+22
-2310	2,301164E+22	2,492288E+22	2,574612E+22	2,574603E+22	2,492277E+22	2,301141E+22	2,008269E+22	1,692169E+22	1,481672E+22	1,481673E+22	1,692157E+22	2,008229E+22
-2309	2,301070E+22	2,492205E+22	2,574584E+22	2,574614E+22	2,492290E+22	2,301162E+22	2,008308E+22	1,692225E+22	1,481725E+22	1,481703E+22	1,692170E+22	2,008262E+22
-2308	2,301186E+22	2,492370E+22	2,574701E+22	2,574675E+22	2,492296E+22	2,301125E+22	2,008274E+22	1,692218E+22	1,481756E+22	1,481768E+22	1,692243E+22	2,008279E+22
-2307	2,301102E+22	2,492232E+22	2,574564E+22	2,574567E+22	2,492242E+22	2,301120E+22	2,008299E+22	1,692258E+22	1,481795E+22	1,481786E+22	1,692228E+22	2,008242E+22
-2306	2,301052E+22	2,492213E+22	2,574607E+22	2,574627E+22	2,492278E+22	2,301133E+22	2,008304E+22	1,692277E+22	1,481827E+22	1,481822E+22	1,692278E+22	2,008333E+22
-2305	2,301184E+22	2,492310E+22	2,574636E+22	2,574623E+22	2,492268E+22	2,301121E+22	2,008285E+22	1,692250E+22	1,481816E+22	1,481842E+22	1,692302E+22	2,008303E+22
-2304	2,301081E+22	2,492180E+22	2,574522E+22	2,574549E+22	2,492235E+22	2,301124E+22	2,008314E+22	1,692281E+22	1,481818E+22	1,481805E+22	1,692249E+22	2,008282E+22
-2303	2,301132E+22	2,492307E+22	2,574657E+22	2,574633E+22	2,492266E+22	2,301117E+22	2,008292E+22	1,692266E+22	1,481817E+22	1,481821E+22	1,692289E+22	2,008346E+22
-2302	2,301181E+22	2,492304E+22	2,574627E+22	2,574599E+22	2,492236E+22	2,301102E+22	2,008286E+22	1,692259E+22	1,481811E+22	1,481809E+22	1,692243E+22	2,008247E+22
-2301	2,301053E+22	2,492184E+22	2,574565E+22	2,574609E+22	2,492278E+22	2,301142E+22	2,008307E+22	1,692263E+22	1,481794E+22	1,481777E+22	1,692217E+22	2,008252E+22
-2300	2,301134E+22	2,492337E+22	2,574695E+22	2,574685E+22	2,492315E+22	2,301136E+22	2,008271E+22	1,692213E+22	1,481757E+22	1,481776E+22	1,692264E+22	2,008309E+22
-2299	2,301114E+22	2,492229E+22	2,574569E+22	2,574579E+22	2,492258E+22	2,301132E+22	2,008285E+22	1,692211E+22	1,481730E+22	1,481725E+22	1,692191E+22	2,008240E+22
-2298	2,301062E+22	2,492194E+22	2,574570E+22	2,574610E+22	2,492284E+22	2,301145E+22	2,008296E+22	1,692223E+22	1,481725E+22	1,481704E+22	1,692179E+22	2,008279E+22
-2297	2,301194E+22	2,492350E+22	2,574658E+22	2,574637E+22	2,492281E+22	2,301124E+22	2,008259E+22	1,692177E+22	1,481697E+22	1,481709E+22	1,692202E+22	2,008257E+22
-2296	2,301090E+22	2,492231E+22	2,574567E+22	2,574567E+22	2,492234E+22	2,301106E+22	2,008266E+22	1,692187E+22	1,481685E+22	1,481667E+22	1,692142E+22	2,008213E+22
-2295	2,301084E+22	2,492286E+22	2,574672E+22	2,574663E+22	2,492285E+22	2,301107E+22	2,008243E+22	1,692171E+22	1,481689E+22	1,481695E+22	1,692199E+22	2,008300E+22
-2294	2,301171E+22	2,492310E+22	2,574653E+22	2,574642E+22	2,492274E+22	2,301106E+22	2,008233E+22	1,692153E+22	1,481684E+22	1,481706E+22	1,692196E+22	2,008249E+22
-2293	2,301072E+22	2,492183E+22	2,574537E+22	2,574594E+22	2,492290E+22	2,301152E+22	2,008280E+22	1,692186E+22	1,481689E+22	1,481683E+22	1,692164E+22	2,008238E+22
-2292	2,301136E+22	2,492338E+22	2,574680E+22	2,574664E+22	2,492309E+22	2,301145E+22	2,008276E+22	1,692196E+22	1,481716E+22	1,481724E+22	1,692228E+22	2,008317E+22
-2291	2,301162E+22	2,492285E+22	2,574602E+22	2,574578E+22	2,492236E+22	2,301113E+22	2,008284E+22	1,692228E+22	1,481757E+22	1,481748E+22	1,692198E+22	2,008235E+22
-2290	2,301060E+22	2,492194E+22	2,574570E+22	2,574599E+22	2,492257E+22	2,301125E+22	2,008313E+22	1,692287E+22	1,481817E+22	1,481790E+22	1,692219E+22	2,008258E+22
-2289	2,301144E+22	2,492329E+22	2,574670E+22	2,574658E+22	2,492286E+22	2,301120E+22	2,008286E+22	1,692266E+22	1,481837E+22	1,481858E+22	1,692315E+22	2,008308E+22
-2288	2,301077E+22	2,492196E+22	2,574546E+22	2,574555E+22	2,492226E+22	2,301108E+22	2,008305E+22	1,692291E+22	1,481851E+22	1,481849E+22	1,692280E+22	2,008273E+22
-2287	2,301057E+22	2,492200E+22	2,574585E+22	2,574606E+22	2,492260E+22	2,301125E+22	2,008317E+22	1,692310E+22	1,481877E+22	1,481882E+22	1,692329E+22	2,008359E+22
-2286	2,301184E+22	2,492293E+22	2,574604E+22	2,574588E+22	2,492237E+22	2,301106E+22	2,008300E+22	1,692297E+22	1,481881E+22	1,481900E+22	1,692338E+22	2,008324E+22
-2285	2,301095E+22	2,492185E+22	2,574502E+22	2,574520E+22	2,492219E+22	2,301127E+22	2,008334E+22	1,692326E+22	1,481882E+22	1,481861E+22	1,692270E+22	2,008265E+22
-2284	2,301104E+22	2,492301E+22	2,574666E+22	2,574640E+22	2,492260E+22	2,301110E+22	2,008309E+22	1,692314E+22	1,481886E+22	1,481883E+22	1,692321E+22	2,008348E+22
-2283	2,301157E+22	2,492270E+22	2,574607E+22	2,574596E+22	2,492230E+22	2,301085E+22	2,008279E+22	1,692283E+22	1,481865E+22	1,481871E+22	1,692292E+22	2,008270E+22
-2282	2,301044E+22	2,492151E+22	2,574523E+22	2,574584E+22	2,492266E+22	2,301132E+22	2,008317E+22	1,692299E+22	1,481845E+22	1,481827E+22	1,692255E+22	2,008269E+22
-2281	2,301119E+22	2,492303E+22	2,574647E+22	2,574644E+22	2,492297E+22	2,301143E+22	2,008298E+22	1,692255E+22	1,481806E+22	1,481823E+22	1,692301E+22	2,008332E+22

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	2,301113E+22	2,492223E+22	2,574556E+22	2,574547E+22	2,492219E+22	2,301111E+22	2,008296E+22	1,692248E+22	1,481776E+22	1,481762E+22	1,692208E+22	2,008244E+22
-2279	2,301067E+22	2,492210E+22	2,574580E+22	2,574598E+22	2,492253E+22	2,301120E+22	2,008298E+22	1,692253E+22	1,481778E+22	1,481762E+22	1,692215E+22	2,008280E+22
-2278	2,301169E+22	2,492331E+22	2,574650E+22	2,574630E+22	2,492259E+22	2,301096E+22	2,008253E+22	1,692210E+22	1,481760E+22	1,481778E+22	1,692249E+22	2,008276E+22
-2277	2,301082E+22	2,492211E+22	2,574538E+22	2,574557E+22	2,492248E+22	2,301119E+22	2,008273E+22	1,692213E+22	1,481738E+22	1,481727E+22	1,692184E+22	2,008221E+22
-2276	2,301064E+22	2,492267E+22	2,574660E+22	2,574661E+22	2,492292E+22	2,301123E+22	2,008270E+22	1,692214E+22	1,481746E+22	1,481748E+22	1,692236E+22	2,008329E+22
-2275	2,301177E+22	2,492286E+22	2,574616E+22	2,574615E+22	2,492254E+22	2,301096E+22	2,008249E+22	1,692196E+22	1,481742E+22	1,481760E+22	1,692232E+22	2,008272E+22
-2274	2,301085E+22	2,492182E+22	2,574509E+22	2,574557E+22	2,492255E+22	2,301134E+22	2,008307E+22	1,692255E+22	1,481770E+22	1,481747E+22	1,692193E+22	2,008232E+22
-2273	2,301110E+22	2,492323E+22	2,574666E+22	2,574636E+22	2,492276E+22	2,301133E+22	2,008303E+22	1,692263E+22	1,481807E+22	1,481809E+22	1,692275E+22	2,008316E+22
-2272	2,301122E+22	2,492258E+22	2,574602E+22	2,574573E+22	2,492209E+22	2,301083E+22	2,008284E+22	1,692275E+22	1,481836E+22	1,481831E+22	1,692253E+22	2,008245E+22
-2271	2,301035E+22	2,492167E+22	2,574551E+22	2,574592E+22	2,492251E+22	2,301112E+22	2,008310E+22	1,692314E+22	1,481885E+22	1,481880E+22	1,692295E+22	2,008291E+22
-2270	2,301122E+22	2,492276E+22	2,574615E+22	2,574618E+22	2,492263E+22	2,301110E+22	2,008294E+22	1,692302E+22	1,481902E+22	1,481933E+22	1,692379E+22	2,008359E+22
-2269	2,301100E+22	2,492177E+22	2,574490E+22	2,574507E+22	2,492211E+22	2,301116E+22	2,008326E+22	1,692331E+22	1,481907E+22	1,481903E+22	1,692314E+22	2,008287E+22
-2268	2,301065E+22	2,492210E+22	2,574581E+22	2,574583E+22	2,492234E+22	2,301116E+22	2,008342E+22	1,692365E+22	1,481944E+22	1,481931E+22	1,692350E+22	2,008368E+22
-2267	2,301188E+22	2,492294E+22	2,574605E+22	2,574576E+22	2,492204E+22	2,301074E+22	2,008299E+22	1,692338E+22	1,481947E+22	1,481961E+22	1,692370E+22	2,008326E+22
-2266	2,301086E+22	2,492181E+22	2,574502E+22	2,574522E+22	2,492206E+22	2,301105E+22	2,008340E+22	1,692371E+22	1,481949E+22	1,481925E+22	1,692305E+22	2,008256E+22
-2265	2,301060E+22	2,492261E+22	2,574644E+22	2,574634E+22	2,492268E+22	2,301125E+22	2,008330E+22	1,692352E+22	1,481944E+22	1,481947E+22	1,692368E+22	2,008361E+22
-2264	2,301128E+22	2,492234E+22	2,574589E+22	2,574583E+22	2,492225E+22	2,301090E+22	2,008295E+22	1,692312E+22	1,481906E+22	1,481915E+22	1,692325E+22	2,008290E+22
-2263	2,301047E+22	2,492138E+22	2,574494E+22	2,574555E+22	2,492251E+22	2,301132E+22	2,008334E+22	1,692329E+22	1,481890E+22	1,481878E+22	1,692291E+22	2,008284E+22
-2262	2,301112E+22	2,492279E+22	2,574607E+22	2,574596E+22	2,492258E+22	2,301128E+22	2,008315E+22	1,692302E+22	1,481870E+22	1,481878E+22	1,692333E+22	2,008351E+22
-2261	2,301124E+22	2,492224E+22	2,574536E+22	2,574515E+22	2,492194E+22	2,301098E+22	2,008305E+22	1,692290E+22	1,481840E+22	1,481821E+22	1,692236E+22	2,008236E+22
-2260	2,301043E+22	2,492201E+22	2,574590E+22	2,574602E+22	2,492239E+22	2,301098E+22	2,008299E+22	1,692291E+22	1,481842E+22	1,481824E+22	1,692256E+22	2,008298E+22
-2259	2,301156E+22	2,492301E+22	2,574632E+22	2,574623E+22	2,492248E+22	2,301074E+22	2,008239E+22	1,692228E+22	1,481811E+22	1,481841E+22	1,692302E+22	2,008310E+22
-2258	2,301090E+22	2,492195E+22	2,574509E+22	2,574531E+22	2,492229E+22	2,301109E+22	2,008284E+22	1,692247E+22	1,481786E+22	1,481778E+22	1,692219E+22	2,008234E+22
-2257	2,301053E+22	2,492243E+22	2,574626E+22	2,574628E+22	2,492278E+22	2,301134E+22	2,008302E+22	1,692262E+22	1,481804E+22	1,481801E+22	1,692266E+22	2,008336E+22
-2256	2,301168E+22	2,492285E+22	2,574618E+22	2,574595E+22	2,492228E+22	2,301082E+22	2,008265E+22	1,692245E+22	1,481807E+22	1,481813E+22	1,692254E+22	2,008268E+22
-2255	2,301073E+22	2,492182E+22	2,574514E+22	2,574549E+22	2,492234E+22	2,301116E+22	2,008315E+22	1,692300E+22	1,481848E+22	1,481831E+22	1,692241E+22	2,008230E+22
-2254	2,301067E+22	2,492273E+22	2,574636E+22	2,574620E+22	2,492262E+22	2,301119E+22	2,008312E+22	1,692315E+22	1,481893E+22	1,481901E+22	1,692341E+22	2,008342E+22
-2253	2,301108E+22	2,492218E+22	2,574553E+22	2,574546E+22	2,492212E+22	2,301093E+22	2,008301E+22	1,692316E+22	1,481908E+22	1,481912E+22	1,692313E+22	2,008267E+22
-2252	2,301019E+22	2,492138E+22	2,574526E+22	2,574568E+22	2,492237E+22	2,301116E+22	2,008337E+22	1,692364E+22	1,481952E+22	1,481944E+22	1,692347E+22	2,008335E+22
-2251	2,301141E+22	2,492255E+22	2,574576E+22	2,574576E+22	2,492228E+22	2,301090E+22	2,008303E+22	1,692345E+22	1,481967E+22	1,481995E+22	1,692423E+22	2,008390E+22
-2250	2,301129E+22	2,492193E+22	2,574476E+22	2,574468E+22	2,492166E+22	2,301091E+22	2,008344E+22	1,692389E+22	1,481980E+22	1,481964E+22	1,692341E+22	2,008282E+22
-2249	2,301049E+22	2,492207E+22	2,574585E+22	2,574574E+22	2,492213E+22	2,301105E+22	2,008360E+22	1,692418E+22	1,482020E+22	1,482004E+22	1,692387E+22	2,008362E+22
-2248	2,301154E+22	2,492277E+22	2,574619E+22	2,574587E+22	2,492198E+22	2,301055E+22	2,008297E+22	1,692371E+22	1,482007E+22	1,482024E+22	1,692409E+22	2,008330E+22
-2247	2,301061E+22	2,492154E+22	2,574490E+22	2,574523E+22	2,492215E+22	2,301109E+22	2,008343E+22	1,692391E+22	1,482000E+22	1,481994E+22	1,692360E+22	2,008275E+22
-2246	2,301031E+22	2,492202E+22	2,574590E+22	2,574597E+22	2,492255E+22	2,301133E+22	2,008353E+22	1,692389E+22	1,481996E+22	1,482002E+22	1,692412E+22	2,008392E+22
-2245	2,301139E+22	2,492210E+22	2,574534E+22	2,574535E+22	2,492210E+22	2,301100E+22	2,008322E+22	1,692354E+22	1,481956E+22	1,481959E+22	1,692347E+22	2,008293E+22

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°
-2244	2,301048E+22	2,492144E+22	2,574492E+22	2,574527E+22	2,492217E+22	2,301118E+22	2,008353E+22	1,692379E+22	1,481952E+22	1,481923E+22	1,692312E+22	2,008295E+22
-2243	2,301116E+22	2,492270E+22	2,574598E+22	2,574572E+22	2,492216E+22	2,301084E+22	2,008300E+22	1,692332E+22	1,481930E+22	1,481940E+22	1,692368E+22	2,008360E+22
-2242	2,301123E+22	2,492218E+22	2,574533E+22	2,574509E+22	2,492172E+22	2,301069E+22	2,008299E+22	1,692320E+22	1,481894E+22	1,481882E+22	1,692276E+22	2,008239E+22
-2241	2,301015E+22	2,492172E+22	2,574578E+22	2,574600E+22	2,492244E+22	2,301105E+22	2,008308E+22	1,692316E+22	1,481889E+22	1,481881E+22	1,692302E+22	2,008315E+22
-2240	2,301139E+22	2,492276E+22	2,574622E+22	2,574613E+22	2,492243E+22	2,301075E+22	2,008250E+22	1,692252E+22	1,481849E+22	1,481881E+22	1,692332E+22	2,008327E+22
-2239	2,301098E+22	2,492189E+22	2,574494E+22	2,574513E+22	2,492223E+22	2,301116E+22	2,008303E+22	1,692281E+22	1,481839E+22	1,481835E+22	1,692253E+22	2,008241E+22
-2238	2,301038E+22	2,492214E+22	2,574592E+22	2,574586E+22	2,492248E+22	2,301131E+22	2,008331E+22	1,692323E+22	1,481883E+22	1,481870E+22	1,692301E+22	2,008339E+22
-2237	2,301158E+22	2,492265E+22	2,574592E+22	2,574571E+22	2,492212E+22	2,301077E+22	2,008286E+22	1,692302E+22	1,481891E+22	1,481894E+22	1,692297E+22	2,008262E+22
-2236	2,301040E+22	2,492154E+22	2,574507E+22	2,574542E+22	2,492220E+22	2,301101E+22	2,008326E+22	1,692354E+22	1,481933E+22	1,481914E+22	1,692303E+22	2,008263E+22
-2235	2,301055E+22	2,492221E+22	2,574587E+22	2,574584E+22	2,492235E+22	2,301097E+22	2,008308E+22	1,692348E+22	1,481964E+22	1,481985E+22	1,692411E+22	2,008389E+22
-2234	2,301127E+22	2,492199E+22	2,574513E+22	2,574499E+22	2,492171E+22	2,301077E+22	2,008319E+22	1,692362E+22	1,481970E+22	1,481978E+22	1,692364E+22	2,008294E+22
-2233	2,301026E+22	2,492129E+22	2,574502E+22	2,574532E+22	2,492206E+22	2,301110E+22	2,008361E+22	1,692415E+22	1,482018E+22	1,482005E+22	1,692384E+22	2,008346E+22
-2232	2,301143E+22	2,492271E+22	2,574594E+22	2,574561E+22	2,492194E+22	2,301066E+22	2,008311E+22	1,692389E+22	1,482031E+22	1,482051E+22	1,692447E+22	2,008386E+22
-2231	2,301123E+22	2,492204E+22	2,574502E+22	2,574481E+22	2,492159E+22	2,301076E+22	2,008344E+22	1,692422E+22	1,482050E+22	1,482041E+22	1,692381E+22	2,008272E+22
-2230	2,301005E+22	2,492161E+22	2,574564E+22	2,574574E+22	2,492219E+22	2,301109E+22	2,008375E+22	1,692463E+22	1,482093E+22	1,482080E+22	1,692437E+22	2,008372E+22
-2229	2,301133E+22	2,492235E+22	2,574578E+22	2,574576E+22	2,492217E+22	2,301080E+22	2,008323E+22	1,692411E+22	1,482065E+22	1,482086E+22	1,692453E+22	2,008341E+22
-2228	2,301040E+22	2,492116E+22	2,574461E+22	2,574501E+22	2,492205E+22	2,301120E+22	2,008377E+22	1,692442E+22	1,482057E+22	1,482042E+22	1,692399E+22	2,008309E+22
-2227	2,301040E+22	2,492165E+22	2,574538E+22	2,574545E+22	2,492215E+22	2,301115E+22	2,008366E+22	1,692432E+22	1,482055E+22	1,482057E+22	1,692449E+22	2,008413E+22
-2226	2,301160E+22	2,492218E+22	2,574515E+22	2,574484E+22	2,492148E+22	2,301067E+22	2,008336E+22	1,692401E+22	1,482017E+22	1,482015E+22	1,692377E+22	2,008287E+22
-2225	2,301029E+22	2,492134E+22	2,574492E+22	2,574513E+22	2,492184E+22	2,301091E+22	2,008353E+22	1,692414E+22	1,482012E+22	1,481988E+22	1,692353E+22	2,008295E+22
-2224	2,301093E+22	2,492259E+22	2,574610E+22	2,574579E+22	2,492204E+22	2,301055E+22	2,008279E+22	1,692342E+22	1,481972E+22	1,481993E+22	1,692411E+22	2,008376E+22
-2223	2,301118E+22	2,492203E+22	2,574526E+22	2,574511E+22	2,492178E+22	2,301067E+22	2,008288E+22	1,692322E+22	1,481929E+22	1,481937E+22	1,692322E+22	2,008260E+22
-2222	2,301003E+22	2,492129E+22	2,574535E+22	2,574571E+22	2,492237E+22	2,301117E+22	2,008333E+22	1,692351E+22	1,481932E+22	1,481925E+22	1,692334E+22	2,008334E+22
-2221	2,301152E+22	2,492263E+22	2,574585E+22	2,574583E+22	2,492236E+22	2,301089E+22	2,008284E+22	1,692302E+22	1,481902E+22	1,481922E+22	1,692346E+22	2,008317E+22
-2220	2,301085E+22	2,492188E+22	2,574499E+22	2,574498E+22	2,492198E+22	2,301111E+22	2,008336E+22	1,692346E+22	1,481914E+22	1,481891E+22	1,692281E+22	2,008246E+22
-2219	2,301022E+22	2,492179E+22	2,574570E+22	2,574564E+22	2,492216E+22	2,301103E+22	2,008336E+22	1,692374E+22	1,481967E+22	1,481956E+22	1,692354E+22	2,008347E+22
-2218	2,301144E+22	2,492241E+22	2,574569E+22	2,574545E+22	2,492182E+22	2,301060E+22	2,008300E+22	1,692352E+22	1,481968E+22	1,481980E+22	1,692360E+22	2,008276E+22
-2217	2,301014E+22	2,492115E+22	2,574478E+22	2,574521E+22	2,492206E+22	2,301102E+22	2,008344E+22	1,692397E+22	1,482004E+22	1,481995E+22	1,692368E+22	2,008294E+22
-2216	2,301056E+22	2,492205E+22	2,574567E+22	2,574557E+22	2,492206E+22	2,301080E+22	2,008316E+22	1,692385E+22	1,482021E+22	1,482045E+22	1,692457E+22	2,008419E+22
-2215	2,301150E+22	2,492207E+22	2,574505E+22	2,574478E+22	2,492150E+22	2,301065E+22	2,008326E+22	1,692400E+22	1,482037E+22	1,482048E+22	1,692406E+22	2,008305E+22
-2214	2,301021E+22	2,492117E+22	2,574488E+22	2,574505E+22	2,492177E+22	2,301101E+22	2,008385E+22	1,692474E+22	1,482098E+22	1,482078E+22	1,692423E+22	2,008347E+22
-2213	2,301128E+22	2,492254E+22	2,574584E+22	2,574562E+22	2,492192E+22	2,301062E+22	2,008329E+22	1,692441E+22	1,482108E+22	1,482126E+22	1,692487E+22	2,008376E+22
-2212	2,301084E+22	2,492174E+22	2,574502E+22	2,574494E+22	2,492166E+22	2,301080E+22	2,008362E+22	1,692471E+22	1,482122E+22	1,482113E+22	1,692437E+22	2,008301E+22
-2211	2,300988E+22	2,492098E+22	2,574506E+22	2,574539E+22	2,492203E+22	2,301105E+22	2,008383E+22	1,692496E+22	1,482153E+22	1,482150E+22	1,692493E+22	2,008402E+22
-2210	2,301140E+22	2,492207E+22	2,574526E+22	2,574521E+22	2,492175E+22	2,301074E+22	2,008352E+22	1,692457E+22	1,482118E+22	1,482138E+22	1,692491E+22	2,008357E+22
-2209	2,301040E+22	2,492103E+22	2,574433E+22	2,574459E+22	2,492166E+22	2,301106E+22	2,008397E+22	1,692489E+22	1,482115E+22	1,482093E+22	1,692429E+22	2,008315E+22

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	2,301041E+22	2,492175E+22	2,574541E+22	2,574518E+22	2,492165E+22	2,301074E+22	2,008359E+22	1,692463E+22	1,482106E+22	1,482104E+22	1,692474E+22	2,008414E+22
-2207	2,301160E+22	2,492226E+22	2,574532E+22	2,574493E+22	2,492133E+22	2,301039E+22	2,008316E+22	1,692415E+22	1,482068E+22	1,482079E+22	1,692418E+22	2,008288E+22
-2206	2,301002E+22	2,492102E+22	2,574475E+22	2,574511E+22	2,492185E+22	2,301089E+22	2,008356E+22	1,692436E+22	1,482057E+22	1,482043E+22	1,692397E+22	2,008312E+22
-2205	2,301084E+22	2,492230E+22	2,574581E+22	2,574577E+22	2,492221E+22	2,301075E+22	2,008298E+22	1,692367E+22	1,482008E+22	1,482033E+22	1,692440E+22	2,008384E+22
-2204	2,301107E+22	2,492185E+22	2,574515E+22	2,574507E+22	2,492180E+22	2,301084E+22	2,008322E+22	1,692367E+22	1,481975E+22	1,481970E+22	1,692348E+22	2,008284E+22
-2203	2,301010E+22	2,492100E+22	2,574489E+22	2,574528E+22	2,492206E+22	2,301110E+22	2,008356E+22	1,692403E+22	1,481998E+22	1,481980E+22	1,692361E+22	2,008335E+22
-2202	2,301153E+22	2,492264E+22	2,574571E+22	2,574542E+22	2,492184E+22	2,301071E+22	2,008316E+22	1,692367E+22	1,481980E+22	1,481991E+22	1,692380E+22	2,008305E+22
-2201	2,301051E+22	2,492161E+22	2,574492E+22	2,574489E+22	2,492170E+22	2,301089E+22	2,008349E+22	1,692403E+22	1,482001E+22	1,481980E+22	1,692339E+22	2,008250E+22
-2200	2,300994E+22	2,492151E+22	2,574552E+22	2,574551E+22	2,492192E+22	2,301076E+22	2,008327E+22	1,692405E+22	1,482034E+22	1,482036E+22	1,692421E+22	2,008379E+22
-2199	2,301142E+22	2,492219E+22	2,574543E+22	2,574526E+22	2,492169E+22	2,301050E+22	2,008293E+22	1,692372E+22	1,482028E+22	1,482059E+22	1,692427E+22	2,008312E+22
-2198	2,301013E+22	2,492081E+22	2,574432E+22	2,574480E+22	2,492181E+22	2,301101E+22	2,008366E+22	1,692441E+22	1,482065E+22	1,482058E+22	1,692416E+22	2,008325E+22
-2197	2,301078E+22	2,492205E+22	2,574544E+22	2,574535E+22	2,492190E+22	2,301076E+22	2,008339E+22	1,692436E+22	1,482088E+22	1,482100E+22	1,692484E+22	2,008418E+22
-2196	2,301143E+22	2,492215E+22	2,574523E+22	2,574482E+22	2,492132E+22	2,301054E+22	2,008348E+22	1,692459E+22	1,482113E+22	1,482109E+22	1,692440E+22	2,008313E+22
-2195	2,301002E+22	2,492083E+22	2,574469E+22	2,574498E+22	2,492163E+22	2,301084E+22	2,008393E+22	1,692523E+22	1,482179E+22	1,482160E+22	1,692474E+22	2,008350E+22
-2194	2,301107E+22	2,492229E+22	2,574563E+22	2,574543E+22	2,492174E+22	2,301063E+22	2,008356E+22	1,692491E+22	1,482177E+22	1,482200E+22	1,692540E+22	2,008384E+22
-2193	2,301049E+22	2,492124E+22	2,574465E+22	2,574473E+22	2,492157E+22	2,301091E+22	2,008393E+22	1,692520E+22	1,482188E+22	1,482182E+22	1,692491E+22	2,008322E+22
-2192	2,300983E+22	2,492073E+22	2,574466E+22	2,574500E+22	2,492172E+22	2,301092E+22	2,008397E+22	1,692535E+22	1,482206E+22	1,482202E+22	1,692533E+22	2,008425E+22
-2191	2,301156E+22	2,492210E+22	2,574504E+22	2,574485E+22	2,492141E+22	2,301054E+22	2,008352E+22	1,692489E+22	1,482178E+22	1,482198E+22	1,692526E+22	2,008364E+22
-2190	2,301033E+22	2,492093E+22	2,574415E+22	2,574427E+22	2,492124E+22	2,301082E+22	2,008406E+22	1,692532E+22	1,482179E+22	1,482154E+22	1,692465E+22	2,008321E+22
-2189	2,301034E+22	2,492166E+22	2,574537E+22	2,574524E+22	2,492156E+22	2,301050E+22	2,008353E+22	1,692492E+22	1,482160E+22	1,482160E+22	1,692508E+22	2,008413E+22
-2188	2,301133E+22	2,492208E+22	2,574537E+22	2,574512E+22	2,492142E+22	2,301036E+22	2,008319E+22	1,692440E+22	1,482111E+22	1,482123E+22	1,692461E+22	2,008320E+22
-2187	2,300996E+22	2,492059E+22	2,574431E+22	2,574488E+22	2,492176E+22	2,301089E+22	2,008364E+22	1,692458E+22	1,482098E+22	1,482090E+22	1,692435E+22	2,008333E+22
-2186	2,301093E+22	2,492221E+22	2,574549E+22	2,574535E+22	2,492189E+22	2,301080E+22	2,008337E+22	1,692412E+22	1,482052E+22	1,482070E+22	1,692460E+22	2,008382E+22
-2185	2,301097E+22	2,492177E+22	2,574501E+22	2,574484E+22	2,492155E+22	2,301082E+22	2,008353E+22	1,692424E+22	1,482041E+22	1,482024E+22	1,692371E+22	2,008275E+22
-2184	2,300998E+22	2,492101E+22	2,574484E+22	2,574509E+22	2,492169E+22	2,301079E+22	2,008359E+22	1,692447E+22	1,482068E+22	1,482045E+22	1,692396E+22	2,008331E+22
-2183	2,301131E+22	2,492250E+22	2,574568E+22	2,574546E+22	2,492174E+22	2,301048E+22	2,008304E+22	1,692398E+22	1,482055E+22	1,482077E+22	1,692439E+22	2,008316E+22
-2182	2,301019E+22	2,492115E+22	2,574455E+22	2,574472E+22	2,492161E+22	2,301085E+22	2,008360E+22	1,692442E+22	1,482070E+22	1,482060E+22	1,692408E+22	2,008286E+22
-2181	2,300989E+22	2,492115E+22	2,574511E+22	2,574534E+22	2,492186E+22	2,301075E+22	2,008344E+22	1,692443E+22	1,482091E+22	1,482098E+22	1,692472E+22	2,008407E+22
-2180	2,301145E+22	2,492208E+22	2,574526E+22	2,574512E+22	2,492156E+22	2,301052E+22	2,008321E+22	1,692423E+22	1,482088E+22	1,482111E+22	1,692472E+22	2,008352E+22
-2179	2,301032E+22	2,492069E+22	2,574395E+22	2,574434E+22	2,492141E+22	2,301082E+22	2,008382E+22	1,692493E+22	1,482139E+22	1,482125E+22	1,692453E+22	2,008331E+22
-2178	2,301080E+22	2,492213E+22	2,574540E+22	2,574503E+22	2,492144E+22	2,301060E+22	2,008368E+22	1,692498E+22	1,482167E+22	1,482173E+22	1,692521E+22	2,008407E+22
-2177	2,301106E+22	2,492189E+22	2,574522E+22	2,574492E+22	2,492125E+22	2,301042E+22	2,008363E+22	1,692515E+22	1,482199E+22	1,482196E+22	1,692495E+22	2,008316E+22
-2176	2,300974E+22	2,492051E+22	2,574439E+22	2,574483E+22	2,492151E+22	2,301070E+22	2,008393E+22	1,692557E+22	1,482245E+22	1,482236E+22	1,692534E+22	2,008375E+22
-2175	2,301093E+22	2,492196E+22	2,574527E+22	2,574519E+22	2,492164E+22	2,301061E+22	2,008361E+22	1,692522E+22	1,482239E+22	1,482270E+22	1,692593E+22	2,008410E+22
-2174	2,301043E+22	2,492089E+22	2,574412E+22	2,574423E+22	2,492123E+22	2,301086E+22	2,008421E+22	1,692571E+22	1,482249E+22	1,482238E+22	1,692531E+22	2,008345E+22
-2173	2,300995E+22	2,492069E+22	2,574440E+22	2,574469E+22	2,492139E+22	2,301072E+22	2,008412E+22	1,692582E+22	1,482266E+22	1,482251E+22	1,692555E+22	2,008422E+22

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	2,301145E+22	2,492219E+22	2,574521E+22	2,574487E+22	2,492120E+22	2,301033E+22	2,008358E+22	1,692531E+22	1,482237E+22	1,482249E+22	1,692560E+22	2,008378E+22
-2171	2,301020E+22	2,492069E+22	2,574397E+22	2,574420E+22	2,492110E+22	2,301058E+22	2,008396E+22	1,692558E+22	1,482237E+22	1,482217E+22	1,692507E+22	2,008330E+22
-2170	2,301023E+22	2,492155E+22	2,574525E+22	2,574511E+22	2,492145E+22	2,301054E+22	2,008371E+22	1,692520E+22	1,482204E+22	1,482209E+22	1,692546E+22	2,008423E+22
-2169	2,301109E+22	2,492175E+22	2,574518E+22	2,574512E+22	2,492148E+22	2,301048E+22	2,008344E+22	1,692478E+22	1,482158E+22	1,482169E+22	1,692493E+22	2,008332E+22
-2168	2,300997E+22	2,492049E+22	2,574401E+22	2,574461E+22	2,492158E+22	2,301085E+22	2,008380E+22	1,692496E+22	1,482145E+22	1,482132E+22	1,692461E+22	2,008342E+22
-2167	2,301093E+22	2,492223E+22	2,574537E+22	2,574511E+22	2,492167E+22	2,301070E+22	2,008345E+22	1,692454E+22	1,482119E+22	1,482130E+22	1,692487E+22	2,008375E+22
-2166	2,301069E+22	2,492153E+22	2,574479E+22	2,574458E+22	2,492125E+22	2,301067E+22	2,008373E+22	1,692480E+22	1,482118E+22	1,482098E+22	1,692417E+22	2,008282E+22
-2165	2,300977E+22	2,492071E+22	2,574462E+22	2,574508E+22	2,492161E+22	2,301059E+22	2,008360E+22	1,692487E+22	1,482137E+22	1,482120E+22	1,692451E+22	2,008347E+22
-2164	2,301106E+22	2,492218E+22	2,574545E+22	2,574539E+22	2,492171E+22	2,301043E+22	2,008309E+22	1,692430E+22	1,482111E+22	1,482140E+22	1,692503E+22	2,008367E+22
-2163	2,301022E+22	2,492073E+22	2,574396E+22	2,574425E+22	2,492132E+22	2,301072E+22	2,008365E+22	1,692474E+22	1,482126E+22	1,482123E+22	1,692460E+22	2,008323E+22
-2162	2,301014E+22	2,492122E+22	2,574485E+22	2,574482E+22	2,492138E+22	2,301064E+22	2,008372E+22	1,692491E+22	1,482148E+22	1,482148E+22	1,692502E+22	2,008416E+22
-2161	2,301142E+22	2,492210E+22	2,574525E+22	2,574496E+22	2,492128E+22	2,301038E+22	2,008344E+22	1,692483E+22	1,482165E+22	1,482175E+22	1,692499E+22	2,008344E+22
-2160	2,301022E+22	2,492079E+22	2,574400E+22	2,574429E+22	2,492115E+22	2,301055E+22	2,008385E+22	1,692540E+22	1,482216E+22	1,482199E+22	1,692493E+22	2,008327E+22
-2159	2,301052E+22	2,492197E+22	2,574540E+22	2,574513E+22	2,492147E+22	2,301049E+22	2,008365E+22	1,692538E+22	1,482249E+22	1,482259E+22	1,692573E+22	2,008409E+22
-2158	2,301065E+22	2,492137E+22	2,574482E+22	2,574474E+22	2,492126E+22	2,301056E+22	2,008390E+22	1,692567E+22	1,482274E+22	1,482276E+22	1,692557E+22	2,008343E+22
-2157	2,300961E+22	2,492007E+22	2,574392E+22	2,574463E+22	2,492145E+22	2,301075E+22	2,008420E+22	1,692607E+22	1,482310E+22	1,482299E+22	1,692580E+22	2,008398E+22
-2156	2,301086E+22	2,492174E+22	2,574496E+22	2,574493E+22	2,492146E+22	2,301061E+22	2,008390E+22	1,692577E+22	1,482301E+22	1,482322E+22	1,692636E+22	2,008445E+22
-2155	2,301053E+22	2,492074E+22	2,574373E+22	2,574370E+22	2,492074E+22	2,301059E+22	2,008430E+22	1,692621E+22	1,482323E+22	1,482307E+22	1,692570E+22	2,008356E+22
-2154	2,300996E+22	2,492079E+22	2,574442E+22	2,574437E+22	2,492087E+22	2,301043E+22	2,008424E+22	1,692626E+22	1,482333E+22	1,482317E+22	1,692593E+22	2,008420E+22
-2153	2,301114E+22	2,492198E+22	2,574524E+22	2,574499E+22	2,492117E+22	2,301017E+22	2,008357E+22	1,692565E+22	1,482301E+22	1,482319E+22	1,692607E+22	2,008389E+22
-2152	2,301008E+22	2,492053E+22	2,574376E+22	2,574410E+22	2,492107E+22	2,301048E+22	2,008386E+22	1,692569E+22	1,482276E+22	1,482270E+22	1,692551E+22	2,008354E+22
-2151	2,301020E+22	2,492137E+22	2,574502E+22	2,574497E+22	2,492146E+22	2,301057E+22	2,008372E+22	1,692539E+22	1,482245E+22	1,482252E+22	1,692574E+22	2,008437E+22
-2150	2,301106E+22	2,492153E+22	2,574482E+22	2,574478E+22	2,492132E+22	2,301055E+22	2,008375E+22	1,692525E+22	1,482210E+22	1,482211E+22	1,692516E+22	2,008341E+22
-2149	2,300996E+22	2,492041E+22	2,574383E+22	2,574441E+22	2,492135E+22	2,301071E+22	2,008398E+22	1,692544E+22	1,482205E+22	1,482178E+22	1,692478E+22	2,008331E+22
-2148	2,301063E+22	2,492208E+22	2,574541E+22	2,574515E+22	2,492156E+22	2,301058E+22	2,008358E+22	1,692500E+22	1,482182E+22	1,482189E+22	1,692529E+22	2,008390E+22
-2147	2,301046E+22	2,492115E+22	2,574442E+22	2,574430E+22	2,492102E+22	2,301046E+22	2,008370E+22	1,692513E+22	1,482186E+22	1,482175E+22	1,692474E+22	2,008302E+22
-2146	2,300966E+22	2,492051E+22	2,574433E+22	2,574466E+22	2,492131E+22	2,301056E+22	2,008378E+22	1,692521E+22	1,482192E+22	1,482184E+22	1,692502E+22	2,008373E+22
-2145	2,301096E+22	2,492189E+22	2,574520E+22	2,574521E+22	2,492158E+22	2,301041E+22	2,008329E+22	1,692475E+22	1,482173E+22	1,482200E+22	1,692544E+22	2,008393E+22
-2144	2,301043E+22	2,492080E+22	2,574369E+22	2,574387E+22	2,492099E+22	2,301051E+22	2,008371E+22	1,692512E+22	1,482186E+22	1,482180E+22	1,692493E+22	2,008337E+22
-2143	2,301022E+22	2,492137E+22	2,574489E+22	2,574465E+22	2,492113E+22	2,301043E+22	2,008374E+22	1,692538E+22	1,482227E+22	1,482217E+22	1,692531E+22	2,008408E+22
-2142	2,301115E+22	2,492191E+22	2,574520E+22	2,574490E+22	2,492111E+22	2,301024E+22	2,008363E+22	1,692544E+22	1,482252E+22	1,482259E+22	1,692548E+22	2,008346E+22
-2141	2,300988E+22	2,492041E+22	2,574386E+22	2,574440E+22	2,492119E+22	2,301047E+22	2,008395E+22	1,692589E+22	1,482296E+22	1,482282E+22	1,692550E+22	2,008339E+22
-2140	2,301013E+22	2,492149E+22	2,574513E+22	2,574509E+22	2,492157E+22	2,301063E+22	2,008388E+22	1,692583E+22	1,482315E+22	1,482332E+22	1,692638E+22	2,008450E+22
-2139	2,301057E+22	2,492086E+22	2,574413E+22	2,574416E+22	2,492096E+22	2,301052E+22	2,008413E+22	1,692616E+22	1,482345E+22	1,482350E+22	1,692612E+22	2,008377E+22
-2138	2,300978E+22	2,492006E+22	2,574355E+22	2,574395E+22	2,492092E+22	2,301066E+22	2,008452E+22	1,692662E+22	1,482378E+22	1,482359E+22	1,692617E+22	2,008411E+22
-2137	2,301082E+22	2,492169E+22	2,574490E+22	2,574469E+22	2,492111E+22	2,301037E+22	2,008404E+22	1,692633E+22	1,482379E+22	1,482390E+22	1,692667E+22	2,008447E+22

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	2,301054E+22	2,492081E+22	2,574376E+22	2,574360E+22	2,492044E+22	2,301021E+22	2,008416E+22	1,692649E+22	1,482386E+22	1,482375E+22	1,692614E+22	2,008365E+22
-2135	2,300985E+22	2,492073E+22	2,574450E+22	2,574449E+22	2,492090E+22	2,301026E+22	2,008406E+22	1,692644E+22	1,482389E+22	1,482380E+22	1,692636E+22	2,008429E+22
-2134	2,301089E+22	2,492159E+22	2,574497E+22	2,574491E+22	2,492125E+22	2,301032E+22	2,008378E+22	1,692596E+22	1,482347E+22	1,482371E+22	1,692649E+22	2,008411E+22
-2133	2,301002E+22	2,492024E+22	2,574353E+22	2,574405E+22	2,492112E+22	2,301060E+22	2,008411E+22	1,692605E+22	1,482317E+22	1,482306E+22	1,692575E+22	2,008365E+22
-2132	2,301014E+22	2,492121E+22	2,574482E+22	2,574478E+22	2,492140E+22	2,301069E+22	2,008403E+22	1,692584E+22	1,482290E+22	1,482287E+22	1,692593E+22	2,008445E+22
-2131	2,301098E+22	2,492132E+22	2,574445E+22	2,574429E+22	2,492090E+22	2,301039E+22	2,008391E+22	1,692574E+22	1,482279E+22	1,482273E+22	1,692545E+22	2,008338E+22
-2130	2,300983E+22	2,492037E+22	2,574376E+22	2,574404E+22	2,492090E+22	2,301048E+22	2,008411E+22	1,692589E+22	1,482273E+22	1,482247E+22	1,692520E+22	2,008332E+22
-2129	2,301028E+22	2,492165E+22	2,574522E+22	2,574508E+22	2,492145E+22	2,301041E+22	2,008358E+22	1,692538E+22	1,482251E+22	1,482264E+22	1,692581E+22	2,008412E+22
-2128	2,301045E+22	2,492092E+22	2,574407E+22	2,574399E+22	2,492079E+22	2,301026E+22	2,008360E+22	1,692529E+22	1,482234E+22	1,482239E+22	1,692531E+22	2,008341E+22
-2127	2,300979E+22	2,492044E+22	2,574413E+22	2,574439E+22	2,492108E+22	2,301038E+22	2,008372E+22	1,692545E+22	1,482243E+22	1,482236E+22	1,692537E+22	2,008391E+22
-2126	2,301101E+22	2,492181E+22	2,574498E+22	2,574487E+22	2,492132E+22	2,301036E+22	2,008353E+22	1,692525E+22	1,482236E+22	1,482255E+22	1,692574E+22	2,008400E+22
-2125	2,301043E+22	2,492081E+22	2,574379E+22	2,574389E+22	2,492083E+22	2,301035E+22	2,008383E+22	1,692562E+22	1,482257E+22	1,482241E+22	1,692518E+22	2,008326E+22
-2124	2,300991E+22	2,492119E+22	2,574499E+22	2,574484E+22	2,492122E+22	2,301044E+22	2,008392E+22	1,692588E+22	1,482300E+22	1,482290E+22	1,692579E+22	2,008415E+22
-2123	2,301081E+22	2,492142E+22	2,574481E+22	2,574471E+22	2,492107E+22	2,301027E+22	2,008379E+22	1,692593E+22	1,482335E+22	1,482349E+22	1,692613E+22	2,008368E+22
-2122	2,300970E+22	2,492006E+22	2,574349E+22	2,574394E+22	2,492097E+22	2,301062E+22	2,008433E+22	1,692643E+22	1,482370E+22	1,482360E+22	1,692610E+22	2,008366E+22
-2121	2,300996E+22	2,492099E+22	2,574469E+22	2,574478E+22	2,492141E+22	2,301068E+22	2,008423E+22	1,692646E+22	1,482395E+22	1,482407E+22	1,692686E+22	2,008478E+22
-2120	2,301079E+22	2,492084E+22	2,574373E+22	2,574359E+22	2,492048E+22	2,301027E+22	2,008421E+22	1,692662E+22	1,482418E+22	1,482422E+22	1,692659E+22	2,008397E+22
-2119	2,300989E+22	2,492018E+22	2,574356E+22	2,574367E+22	2,492047E+22	2,301027E+22	2,008444E+22	1,692705E+22	1,482456E+22	1,482431E+22	1,692655E+22	2,008413E+22
-2118	2,301067E+22	2,492155E+22	2,574488E+22	2,574462E+22	2,492088E+22	2,301015E+22	2,008408E+22	1,692676E+22	1,482452E+22	1,482466E+22	1,692718E+22	2,008460E+22
-2117	2,301037E+22	2,492055E+22	2,574373E+22	2,574375E+22	2,492047E+22	2,301007E+22	2,008408E+22	1,692671E+22	1,482436E+22	1,482433E+22	1,692657E+22	2,008379E+22
-2116	2,300966E+22	2,492041E+22	2,574434E+22	2,574452E+22	2,492107E+22	2,301044E+22	2,008422E+22	1,692667E+22	1,482421E+22	1,482421E+22	1,692676E+22	2,008456E+22
-2115	2,301088E+22	2,492126E+22	2,574448E+22	2,574446E+22	2,492102E+22	2,301036E+22	2,008402E+22	1,692634E+22	1,482393E+22	1,482413E+22	1,692675E+22	2,008421E+22
-2114	2,301008E+22	2,492025E+22	2,574330E+22	2,574348E+22	2,492069E+22	2,301062E+22	2,008445E+22	1,692655E+22	1,482371E+22	1,482347E+22	1,692589E+22	2,008354E+22
-2113	2,300990E+22	2,492099E+22	2,574476E+22	2,574465E+22	2,492117E+22	2,301057E+22	2,008423E+22	1,692639E+22	1,482364E+22	1,482349E+22	1,692614E+22	2,008431E+22
-2112	2,301085E+22	2,492120E+22	2,574432E+22	2,574410E+22	2,492061E+22	2,301006E+22	2,008379E+22	1,692602E+22	1,482342E+22	1,482345E+22	1,692594E+22	2,008347E+22
-2111	2,300968E+22	2,492018E+22	2,574367E+22	2,574397E+22	2,492078E+22	2,301025E+22	2,008394E+22	1,692610E+22	1,482332E+22	1,482314E+22	1,692571E+22	2,008352E+22
-2110	2,301013E+22	2,492127E+22	2,574490E+22	2,574485E+22	2,492134E+22	2,301042E+22	2,008373E+22	1,692571E+22	1,482303E+22	1,482324E+22	1,692633E+22	2,008445E+22
-2109	2,301053E+22	2,492069E+22	2,574389E+22	2,574389E+22	2,492068E+22	2,301020E+22	2,008372E+22	1,692563E+22	1,482280E+22	1,482285E+22	1,692564E+22	2,008359E+22
-2108	2,300986E+22	2,492042E+22	2,574409E+22	2,574429E+22	2,492101E+22	2,301045E+22	2,008397E+22	1,692588E+22	1,482295E+22	1,482284E+22	1,692568E+22	2,008399E+22
-2107	2,301094E+22	2,492169E+22	2,574480E+22	2,574455E+22	2,492099E+22	2,301024E+22	2,008374E+22	1,692581E+22	1,482316E+22	1,482331E+22	1,692613E+22	2,008397E+22
-2106	2,301023E+22	2,492070E+22	2,574377E+22	2,574368E+22	2,492061E+22	2,301032E+22	2,008407E+22	1,692618E+22	1,482340E+22	1,482325E+22	1,692571E+22	2,008329E+22
-2105	2,300950E+22	2,492061E+22	2,574470E+22	2,574481E+22	2,492127E+22	2,301051E+22	2,008413E+22	1,692643E+22	1,482386E+22	1,482380E+22	1,692637E+22	2,008434E+22
-2104	2,301074E+22	2,492104E+22	2,574429E+22	2,574427E+22	2,492083E+22	2,301020E+22	2,008391E+22	1,692632E+22	1,482404E+22	1,482430E+22	1,692680E+22	2,008409E+22
-2103	2,300984E+22	2,491992E+22	2,574317E+22	2,574349E+22	2,492057E+22	2,301039E+22	2,008442E+22	1,692692E+22	1,482442E+22	1,482427E+22	1,692655E+22	2,008390E+22
-2102	2,301003E+22	2,492085E+22	2,574437E+22	2,574428E+22	2,492094E+22	2,301050E+22	2,008447E+22	1,692707E+22	1,482472E+22	1,482476E+22	1,692727E+22	2,008489E+22
-2101	2,301080E+22	2,492084E+22	2,574386E+22	2,574358E+22	2,492016E+22	2,300995E+22	2,008422E+22	1,692705E+22	1,482487E+22	1,482488E+22	1,692696E+22	2,008398E+22

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	2,300974E+22	2,492011E+22	2,574370E+22	2,574385E+22	2,492050E+22	2,301018E+22	2,008444E+22	1,692733E+22	1,482508E+22	1,482495E+22	1,692703E+22	2,008422E+22
-2099	2,301043E+22	2,492118E+22	2,574459E+22	2,574444E+22	2,492083E+22	2,301016E+22	2,008416E+22	1,692707E+22	1,482509E+22	1,482532E+22	1,692768E+22	2,008477E+22
-2098	2,301026E+22	2,492033E+22	2,574352E+22	2,574349E+22	2,492040E+22	2,301027E+22	2,008439E+22	1,692709E+22	1,482484E+22	1,482481E+22	1,692692E+22	2,008393E+22
-2097	2,300951E+22	2,492000E+22	2,574400E+22	2,574435E+22	2,492104E+22	2,301057E+22	2,008458E+22	1,692721E+22	1,482481E+22	1,482468E+22	1,692693E+22	2,008455E+22
-2096	2,301098E+22	2,492121E+22	2,574415E+22	2,574400E+22	2,492065E+22	2,301021E+22	2,008416E+22	1,692676E+22	1,482452E+22	1,482468E+22	1,692704E+22	2,008422E+22
-2095	2,301003E+22	2,492026E+22	2,574333E+22	2,574326E+22	2,492024E+22	2,301023E+22	2,008442E+22	1,692698E+22	1,482442E+22	1,482411E+22	1,692623E+22	2,008348E+22
-2094	2,300960E+22	2,492062E+22	2,574455E+22	2,574450E+22	2,492094E+22	2,301035E+22	2,008426E+22	1,692679E+22	1,482431E+22	1,482424E+22	1,692671E+22	2,008446E+22
-2093	2,301063E+22	2,492082E+22	2,574417E+22	2,574412E+22	2,492054E+22	2,300989E+22	2,008368E+22	1,692618E+22	1,482388E+22	1,482405E+22	1,692648E+22	2,008377E+22
-2092	2,300966E+22	2,491991E+22	2,574343E+22	2,574387E+22	2,492080E+22	2,301033E+22	2,008402E+22	1,692624E+22	1,482359E+22	1,482357E+22	1,692618E+22	2,008386E+22
-2091	2,301028E+22	2,492109E+22	2,574447E+22	2,574438E+22	2,492101E+22	2,301035E+22	2,008391E+22	1,692608E+22	1,482352E+22	1,482372E+22	1,692666E+22	2,008463E+22
-2090	2,301070E+22	2,492085E+22	2,574384E+22	2,574350E+22	2,492032E+22	2,301018E+22	2,008398E+22	1,692611E+22	1,482340E+22	1,482333E+22	1,692585E+22	2,008351E+22
-2089	2,300967E+22	2,492026E+22	2,574415E+22	2,574434E+22	2,492091E+22	2,301040E+22	2,008422E+22	1,692650E+22	1,482377E+22	1,482355E+22	1,692594E+22	2,008384E+22
-2088	2,301078E+22	2,492153E+22	2,574466E+22	2,574444E+22	2,492084E+22	2,301009E+22	2,008379E+22	1,692623E+22	1,482392E+22	1,482415E+22	1,692671E+22	2,008406E+22
-2087	2,300999E+22	2,492040E+22	2,574360E+22	2,574357E+22	2,492048E+22	2,301022E+22	2,008416E+22	1,692666E+22	1,482419E+22	1,482407E+22	1,692631E+22	2,008350E+22
-2086	2,300930E+22	2,492008E+22	2,574420E+22	2,574447E+22	2,492112E+22	2,301060E+22	2,008448E+22	1,692703E+22	1,482464E+22	1,482461E+22	1,692702E+22	2,008467E+22
-2085	2,301076E+22	2,492075E+22	2,574396E+22	2,574397E+22	2,492052E+22	2,301005E+22	2,008408E+22	1,692683E+22	1,482473E+22	1,482495E+22	1,692725E+22	2,008431E+22
-2084	2,300993E+22	2,491990E+22	2,574303E+22	2,574323E+22	2,492028E+22	2,301027E+22	2,008459E+22	1,692738E+22	1,482506E+22	1,482493E+22	1,692700E+22	2,008402E+22
-2083	2,301000E+22	2,492077E+22	2,574423E+22	2,574395E+22	2,492043E+22	2,301015E+22	2,008452E+22	1,692758E+22	1,482554E+22	1,482558E+22	1,692778E+22	2,008495E+22
-2082	2,301065E+22	2,492076E+22	2,574385E+22	2,574346E+22	2,491996E+22	2,300981E+22	2,008426E+22	1,692744E+22	1,482557E+22	1,482563E+22	1,692748E+22	2,008407E+22
-2081	2,300942E+22	2,491966E+22	2,574351E+22	2,574393E+22	2,492065E+22	2,301028E+22	2,008459E+22	1,692771E+22	1,482572E+22	1,482562E+22	1,692746E+22	2,008438E+22
-2080	2,301044E+22	2,492093E+22	2,574416E+22	2,574410E+22	2,492067E+22	2,301017E+22	2,008429E+22	1,692735E+22	1,482556E+22	1,482586E+22	1,692811E+22	2,008500E+22
-2079	2,301033E+22	2,492025E+22	2,574330E+22	2,574319E+22	2,492010E+22	2,301013E+22	2,008455E+22	1,692755E+22	1,482540E+22	1,482524E+22	1,692714E+22	2,008395E+22
-2078	2,300944E+22	2,491980E+22	2,574371E+22	2,574402E+22	2,492072E+22	2,301049E+22	2,008484E+22	1,692777E+22	1,482549E+22	1,482524E+22	1,692721E+22	2,008450E+22
-2077	2,301074E+22	2,492103E+22	2,574419E+22	2,574402E+22	2,492040E+22	2,300993E+22	2,008415E+22	1,692713E+22	1,482512E+22	1,482525E+22	1,692739E+22	2,008421E+22
-2076	2,300980E+22	2,492005E+22	2,574330E+22	2,574336E+22	2,492026E+22	2,301015E+22	2,008441E+22	1,692718E+22	1,482485E+22	1,482471E+22	1,692677E+22	2,008365E+22
-2075	2,300942E+22	2,492026E+22	2,574414E+22	2,574418E+22	2,492072E+22	2,301028E+22	2,008434E+22	1,692706E+22	1,482482E+22	1,482486E+22	1,692726E+22	2,008477E+22
-2074	2,301067E+22	2,492069E+22	2,574389E+22	2,574378E+22	2,492038E+22	2,300999E+22	2,008391E+22	1,692651E+22	1,482430E+22	1,482449E+22	1,692686E+22	2,008402E+22
-2073	2,300971E+22	2,491972E+22	2,574318E+22	2,574372E+22	2,492073E+22	2,301040E+22	2,008430E+22	1,692672E+22	1,482417E+22	1,482402E+22	1,692635E+22	2,008390E+22
-2072	2,301046E+22	2,492120E+22	2,574428E+22	2,574402E+22	2,492064E+22	2,301018E+22	2,008403E+22	1,692652E+22	1,482415E+22	1,482429E+22	1,692696E+22	2,008462E+22
-2071	2,301064E+22	2,492093E+22	2,574400E+22	2,574350E+22	2,492000E+22	2,300983E+22	2,008403E+22	1,692665E+22	1,482419E+22	1,482403E+22	1,692622E+22	2,008345E+22
-2070	2,300931E+22	2,491982E+22	2,574389E+22	2,574428E+22	2,492082E+22	2,301031E+22	2,008438E+22	1,692705E+22	1,482461E+22	1,482442E+22	1,692656E+22	2,008393E+22
-2069	2,301038E+22	2,492103E+22	2,574442E+22	2,574442E+22	2,492079E+22	2,301004E+22	2,008387E+22	1,692661E+22	1,482458E+22	1,482489E+22	1,692733E+22	2,008436E+22
-2068	2,300992E+22	2,492007E+22	2,574323E+22	2,574333E+22	2,492036E+22	2,301026E+22	2,008438E+22	1,692701E+22	1,482472E+22	1,482473E+22	1,692691E+22	2,008382E+22
-2067	2,300936E+22	2,491984E+22	2,574361E+22	2,574380E+22	2,492057E+22	2,301041E+22	2,008472E+22	1,692760E+22	1,482539E+22	1,482531E+22	1,692749E+22	2,008487E+22
-2066	2,301085E+22	2,492084E+22	2,574382E+22	2,574354E+22	2,492008E+22	2,300989E+22	2,008425E+22	1,692738E+22	1,482550E+22	1,482563E+22	1,692764E+22	2,008435E+22
-2065	2,300977E+22	2,491976E+22	2,574305E+22	2,574328E+22	2,492015E+22	2,301008E+22	2,008468E+22	1,692791E+22	1,482590E+22	1,482570E+22	1,692736E+22	2,008403E+22

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	2,300993E+22	2,492064E+22	2,574408E+22	2,574387E+22	2,492030E+22	2,300995E+22	2,008446E+22	1,692788E+22	1,482621E+22	1,482636E+22	1,692837E+22	2,008515E+22
-2063	2,301051E+22	2,492056E+22	2,574379E+22	2,574347E+22	2,491989E+22	2,300971E+22	2,008434E+22	1,692783E+22	1,482617E+22	1,482624E+22	1,692795E+22	2,008425E+22
-2062	2,300925E+22	2,491922E+22	2,574309E+22	2,574373E+22	2,492061E+22	2,301044E+22	2,008495E+22	1,692824E+22	1,482634E+22	1,482621E+22	1,692789E+22	2,008453E+22
-2061	2,301031E+22	2,492071E+22	2,574395E+22	2,574391E+22	2,492050E+22	2,301015E+22	2,008452E+22	1,692781E+22	1,482611E+22	1,482632E+22	1,692836E+22	2,008506E+22
-2060	2,301031E+22	2,492022E+22	2,574318E+22	2,574298E+22	2,491989E+22	2,301009E+22	2,008477E+22	1,692796E+22	1,482595E+22	1,482580E+22	1,692747E+22	2,008394E+22
-2059	2,300926E+22	2,491959E+22	2,574341E+22	2,574365E+22	2,492028E+22	2,301020E+22	2,008493E+22	1,692825E+22	1,482622E+22	1,482597E+22	1,692770E+22	2,008458E+22
-2058	2,301053E+22	2,492081E+22	2,574396E+22	2,574383E+22	2,492025E+22	2,300981E+22	2,008413E+22	1,692742E+22	1,482569E+22	1,482590E+22	1,692790E+22	2,008443E+22
-2057	2,300960E+22	2,491966E+22	2,574300E+22	2,574330E+22	2,492029E+22	2,301016E+22	2,008448E+22	1,692746E+22	1,482535E+22	1,482525E+22	1,692716E+22	2,008396E+22
-2056	2,300964E+22	2,492018E+22	2,574377E+22	2,574377E+22	2,492040E+22	2,301012E+22	2,008436E+22	1,692727E+22	1,482519E+22	1,482529E+22	1,692765E+22	2,008506E+22
-2055	2,301087E+22	2,492082E+22	2,574384E+22	2,574354E+22	2,491999E+22	2,300971E+22	2,008401E+22	1,692694E+22	1,482481E+22	1,482485E+22	1,692701E+22	2,008401E+22
-2054	2,300966E+22	2,491971E+22	2,574313E+22	2,574359E+22	2,492052E+22	2,301031E+22	2,008453E+22	1,692728E+22	1,482486E+22	1,482461E+22	1,692660E+22	2,008376E+22
-2053	2,301012E+22	2,492107E+22	2,574445E+22	2,574417E+22	2,492053E+22	2,300998E+22	2,008406E+22	1,692692E+22	1,482481E+22	1,482491E+22	1,692728E+22	2,008453E+22
-2052	2,301029E+22	2,492064E+22	2,574390E+22	2,574364E+22	2,492016E+22	2,300990E+22	2,008414E+22	1,692697E+22	1,482479E+22	1,482478E+22	1,692681E+22	2,008357E+22
-2051	2,300901E+22	2,491933E+22	2,574333E+22	2,574391E+22	2,492064E+22	2,301033E+22	2,008462E+22	1,692755E+22	1,482535E+22	1,482523E+22	1,692722E+22	2,008427E+22
-2050	2,301028E+22	2,492066E+22	2,574390E+22	2,574397E+22	2,492059E+22	2,301011E+22	2,008416E+22	1,692714E+22	1,482528E+22	1,482557E+22	1,692785E+22	2,008467E+22
-2049	2,300993E+22	2,491981E+22	2,574284E+22	2,574300E+22	2,492013E+22	2,301022E+22	2,008466E+22	1,692765E+22	1,482554E+22	1,482543E+22	1,692727E+22	2,008400E+22
-2048	2,300956E+22	2,491994E+22	2,574339E+22	2,574329E+22	2,491998E+22	2,301003E+22	2,008475E+22	1,692808E+22	1,482618E+22	1,482611E+22	1,692801E+22	2,008501E+22
-2047	2,301080E+22	2,492092E+22	2,574396E+22	2,574349E+22	2,491968E+22	2,300941E+22	2,008421E+22	1,692790E+22	1,482632E+22	1,482642E+22	1,692813E+22	2,008443E+22
-2046	2,300952E+22	2,491944E+22	2,574287E+22	2,574330E+22	2,492016E+22	2,301003E+22	2,008476E+22	1,692835E+22	1,482666E+22	1,482653E+22	1,692798E+22	2,008420E+22
-2045	2,300964E+22	2,492028E+22	2,574393E+22	2,574389E+22	2,492034E+22	2,300997E+22	2,008454E+22	1,692817E+22	1,482672E+22	1,482693E+22	1,692883E+22	2,008542E+22
-2044	2,301051E+22	2,492035E+22	2,574351E+22	2,574334E+22	2,491993E+22	2,300987E+22	2,008461E+22	1,692816E+22	1,482660E+22	1,482674E+22	1,692834E+22	2,008442E+22
-2043	2,300925E+22	2,491904E+22	2,574261E+22	2,574318E+22	2,492021E+22	2,301036E+22	2,008527E+22	1,692884E+22	1,482703E+22	1,482678E+22	1,692820E+22	2,008457E+22
-2042	2,301019E+22	2,492066E+22	2,574379E+22	2,574358E+22	2,492021E+22	2,301007E+22	2,008473E+22	1,692835E+22	1,482682E+22	1,482690E+22	1,692863E+22	2,008501E+22
-2041	2,301003E+22	2,491998E+22	2,574310E+22	2,574298E+22	2,491980E+22	2,300996E+22	2,008486E+22	1,692844E+22	1,482669E+22	1,482648E+22	1,692781E+22	2,008398E+22
-2040	2,300916E+22	2,491939E+22	2,574312E+22	2,574338E+22	2,492004E+22	2,300997E+22	2,008483E+22	1,692847E+22	1,482676E+22	1,482666E+22	1,692828E+22	2,008488E+22
-2039	2,301049E+22	2,492069E+22	2,574385E+22	2,574370E+22	2,492004E+22	2,300959E+22	2,008416E+22	1,692773E+22	1,482616E+22	1,482638E+22	1,692831E+22	2,008472E+22
-2038	2,300962E+22	2,491942E+22	2,574265E+22	2,574306E+22	2,492017E+22	2,301016E+22	2,008467E+22	1,692784E+22	1,482583E+22	1,482570E+22	1,692748E+22	2,008411E+22
-2037	2,300961E+22	2,492017E+22	2,574374E+22	2,574364E+22	2,492022E+22	2,301000E+22	2,008444E+22	1,692759E+22	1,482563E+22	1,482564E+22	1,692780E+22	2,008507E+22
-2036	2,301086E+22	2,492093E+22	2,574395E+22	2,574354E+22	2,491988E+22	2,300963E+22	2,008412E+22	1,692726E+22	1,482532E+22	1,482539E+22	1,692729E+22	2,008389E+22
-2035	2,300935E+22	2,491946E+22	2,574291E+22	2,574338E+22	2,492025E+22	2,301011E+22	2,008465E+22	1,692779E+22	1,482564E+22	1,482539E+22	1,692711E+22	2,008379E+22
-2034	2,300970E+22	2,492064E+22	2,574412E+22	2,574406E+22	2,492060E+22	2,301005E+22	2,008416E+22	1,692733E+22	1,482552E+22	1,482567E+22	1,692783E+22	2,008473E+22
-2033	2,301001E+22	2,492010E+22	2,574342E+22	2,574342E+22	2,492019E+22	2,301003E+22	2,008438E+22	1,692744E+22	1,482549E+22	1,482549E+22	1,692731E+22	2,008393E+22
-2032	2,300918E+22	2,491911E+22	2,574273E+22	2,574324E+22	2,492017E+22	2,301014E+22	2,008475E+22	1,692798E+22	1,482599E+22	1,482591E+22	1,692777E+22	2,008466E+22
-2031	2,301048E+22	2,492074E+22	2,574373E+22	2,574354E+22	2,492001E+22	2,300971E+22	2,008429E+22	1,692774E+22	1,482602E+22	1,482618E+22	1,692819E+22	2,008482E+22
-2030	2,300993E+22	2,491978E+22	2,574276E+22	2,574279E+22	2,491978E+22	2,300997E+22	2,008478E+22	1,692823E+22	1,482639E+22	1,482622E+22	1,692771E+22	2,008401E+22
-2029	2,300932E+22	2,491989E+22	2,574360E+22	2,574343E+22	2,491985E+22	2,300975E+22	2,008467E+22	1,692842E+22	1,482687E+22	1,482683E+22	1,692847E+22	2,008510E+22

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	2,301061E+22	2,492075E+22	2,574395E+22	2,574365E+22	2,491986E+22	2,300950E+22	2,008429E+22	1,692815E+22	1,482689E+22	1,482717E+22	1,692870E+22	2,008458E+22
-2027	2,300930E+22	2,491907E+22	2,574246E+22	2,574301E+22	2,492007E+22	2,301014E+22	2,008508E+22	1,692888E+22	1,482736E+22	1,482725E+22	1,692852E+22	2,008446E+22
-2026	2,300952E+22	2,491995E+22	2,574349E+22	2,574359E+22	2,492033E+22	2,301017E+22	2,008490E+22	1,692874E+22	1,482740E+22	1,482750E+22	1,692914E+22	2,008552E+22
-2025	2,301043E+22	2,492011E+22	2,574318E+22	2,574306E+22	2,491981E+22	2,300996E+22	2,008499E+22	1,692884E+22	1,482741E+22	1,482735E+22	1,692857E+22	2,008448E+22
-2024	2,300930E+22	2,491902E+22	2,574236E+22	2,574266E+22	2,491965E+22	2,301002E+22	2,008534E+22	1,692934E+22	1,482780E+22	1,482755E+22	1,692868E+22	2,008467E+22
-2023	2,301001E+22	2,492051E+22	2,574376E+22	2,574344E+22	2,491977E+22	2,300958E+22	2,008467E+22	1,692881E+22	1,482753E+22	1,482761E+22	1,692911E+22	2,008513E+22
-2022	2,300978E+22	2,491958E+22	2,574283E+22	2,574288E+22	2,491973E+22	2,300984E+22	2,008483E+22	1,692872E+22	1,482730E+22	1,482721E+22	1,692841E+22	2,008425E+22
-2021	2,300902E+22	2,491918E+22	2,574300E+22	2,574324E+22	2,491990E+22	2,300982E+22	2,008473E+22	1,692854E+22	1,482706E+22	1,482706E+22	1,692865E+22	2,008518E+22
-2020	2,301063E+22	2,492064E+22	2,574368E+22	2,574353E+22	2,491997E+22	2,300961E+22	2,008424E+22	1,692786E+22	1,482643E+22	1,482673E+22	1,692855E+22	2,008481E+22
-2019	2,300968E+22	2,491942E+22	2,574243E+22	2,574269E+22	2,491985E+22	2,301006E+22	2,008487E+22	1,692829E+22	1,482639E+22	1,482615E+22	1,692768E+22	2,008409E+22
-2018	2,300946E+22	2,492010E+22	2,574369E+22	2,574357E+22	2,492017E+22	2,300998E+22	2,008458E+22	1,692803E+22	1,482625E+22	1,482615E+22	1,692796E+22	2,008491E+22
-2017	2,301050E+22	2,492061E+22	2,574388E+22	2,574367E+22	2,492003E+22	2,300971E+22	2,008430E+22	1,692774E+22	1,482604E+22	1,482605E+22	1,692762E+22	2,008393E+22
-2016	2,300917E+22	2,491914E+22	2,574253E+22	2,574303E+22	2,492005E+22	2,301002E+22	2,008473E+22	1,692815E+22	1,482630E+22	1,482617E+22	1,692775E+22	2,008410E+22
-2015	2,300955E+22	2,492029E+22	2,574380E+22	2,574374E+22	2,492029E+22	2,300991E+22	2,008439E+22	1,692785E+22	1,482617E+22	1,482632E+22	1,692833E+22	2,008504E+22
-2014	2,301001E+22	2,491977E+22	2,574294E+22	2,574301E+22	2,491995E+22	2,301000E+22	2,008465E+22	1,692802E+22	1,482625E+22	1,482622E+22	1,692780E+22	2,008416E+22
-2013	2,300920E+22	2,491914E+22	2,574266E+22	2,574289E+22	2,491975E+22	2,300986E+22	2,008479E+22	1,692841E+22	1,482667E+22	1,482653E+22	1,692813E+22	2,008480E+22
-2012	2,301056E+22	2,492086E+22	2,574385E+22	2,574346E+22	2,491975E+22	2,300948E+22	2,008431E+22	1,692811E+22	1,482673E+22	1,482696E+22	1,692866E+22	2,008484E+22
-2011	2,300972E+22	2,491960E+22	2,574266E+22	2,574267E+22	2,491954E+22	2,300971E+22	2,008482E+22	1,692873E+22	1,482723E+22	1,482711E+22	1,692833E+22	2,008417E+22
-2010	2,300904E+22	2,491952E+22	2,574334E+22	2,574344E+22	2,492004E+22	2,300987E+22	2,008477E+22	1,692881E+22	1,482756E+22	1,482757E+22	1,692900E+22	2,008530E+22
-2009	2,301043E+22	2,492033E+22	2,574361E+22	2,574354E+22	2,491999E+22	2,300975E+22	2,008464E+22	1,692867E+22	1,482758E+22	1,482780E+22	1,692911E+22	2,008485E+22
-2008	2,300940E+22	2,491887E+22	2,574196E+22	2,574241E+22	2,491967E+22	2,301007E+22	2,008535E+22	1,692942E+22	1,482806E+22	1,482791E+22	1,692898E+22	2,008468E+22
-2007	2,300954E+22	2,491989E+22	2,574335E+22	2,574322E+22	2,491982E+22	2,300989E+22	2,008516E+22	1,692943E+22	1,482818E+22	1,482812E+22	1,692942E+22	2,008551E+22
-2006	2,301026E+22	2,491991E+22	2,574301E+22	2,574283E+22	2,491951E+22	2,300974E+22	2,008511E+22	1,692939E+22	1,482825E+22	1,482816E+22	1,692902E+22	2,008444E+22
-2005	2,300898E+22	2,491884E+22	2,574239E+22	2,574262E+22	2,491945E+22	2,300971E+22	2,008518E+22	1,692956E+22	1,482836E+22	1,482820E+22	1,692917E+22	2,008485E+22
-2004	2,300991E+22	2,492031E+22	2,574367E+22	2,574343E+22	2,491979E+22	2,300955E+22	2,008461E+22	1,692888E+22	1,482792E+22	1,482822E+22	1,692963E+22	2,008537E+22
-2003	2,300971E+22	2,491926E+22	2,574246E+22	2,574255E+22	2,491952E+22	2,300980E+22	2,008498E+22	1,692903E+22	1,482774E+22	1,482772E+22	1,692885E+22	2,008454E+22
-2002	2,300908E+22	2,491900E+22	2,574269E+22	2,574304E+22	2,491993E+22	2,300993E+22	2,008491E+22	1,692886E+22	1,482747E+22	1,482740E+22	1,692880E+22	2,008523E+22
-2001	2,301067E+22	2,492061E+22	2,574356E+22	2,574336E+22	2,491991E+22	2,300972E+22	2,008452E+22	1,692835E+22	1,482700E+22	1,482713E+22	1,692863E+22	2,008475E+22
-2000	2,300967E+22	2,491943E+22	2,574235E+22	2,574235E+22	2,491944E+22	2,300981E+22	2,008495E+22	1,692872E+22	1,482705E+22	1,482680E+22	1,692805E+22	2,008408E+22
-1999	2,300918E+22	2,491984E+22	2,574366E+22	2,574353E+22	2,491991E+22	2,300970E+22	2,008466E+22	1,692853E+22	1,482695E+22	1,482683E+22	1,692837E+22	2,008494E+22
-1998	2,301015E+22	2,492008E+22	2,574349E+22	2,574350E+22	2,492002E+22	2,300974E+22	2,008444E+22	1,692815E+22	1,482674E+22	1,482683E+22	1,692822E+22	2,008417E+22
-1997	2,300901E+22	2,491884E+22	2,574227E+22	2,574269E+22	2,491979E+22	2,300991E+22	2,008478E+22	1,692842E+22	1,482679E+22	1,482674E+22	1,692824E+22	2,008446E+22
-1996	2,300974E+22	2,492020E+22	2,574355E+22	2,574337E+22	2,492000E+22	2,300981E+22	2,008451E+22	1,692817E+22	1,482671E+22	1,482692E+22	1,692872E+22	2,008519E+22
-1995	2,301008E+22	2,491976E+22	2,574274E+22	2,574255E+22	2,491945E+22	2,300974E+22	2,008480E+22	1,692858E+22	1,482704E+22	1,482695E+22	1,692823E+22	2,008425E+22
-1994	2,300912E+22	2,491908E+22	2,574267E+22	2,574288E+22	2,491967E+22	2,300970E+22	2,008482E+22	1,692885E+22	1,482743E+22	1,482725E+22	1,692849E+22	2,008476E+22
-1993	2,301030E+22	2,492061E+22	2,574383E+22	2,574361E+22	2,491992E+22	2,300955E+22	2,008447E+22	1,692860E+22	1,482752E+22	1,482773E+22	1,692913E+22	2,008499E+22

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	2,300961E+22	2,491933E+22	2,574241E+22	2,574243E+22	2,491943E+22	2,300971E+22	2,008497E+22	1,692915E+22	1,482796E+22	1,482794E+22	1,692900E+22	2,008450E+22
-1991	2,300892E+22	2,491914E+22	2,574305E+22	2,574319E+22	2,491981E+22	2,300985E+22	2,008513E+22	1,692944E+22	1,482827E+22	1,482823E+22	1,692942E+22	2,008547E+22
-1990	2,301034E+22	2,491997E+22	2,574315E+22	2,574319E+22	2,491985E+22	2,300986E+22	2,008503E+22	1,692934E+22	1,482841E+22	1,482855E+22	1,692956E+22	2,008494E+22
-1989	2,300932E+22	2,491885E+22	2,574189E+22	2,574199E+22	2,491920E+22	2,300983E+22	2,008545E+22	1,692990E+22	1,482877E+22	1,482858E+22	1,692936E+22	2,008475E+22
-1988	2,300946E+22	2,491978E+22	2,574331E+22	2,574303E+22	2,491950E+22	2,300963E+22	2,008515E+22	1,692977E+22	1,482889E+22	1,482893E+22	1,692990E+22	2,008551E+22
-1987	2,301000E+22	2,491957E+22	2,574276E+22	2,574262E+22	2,491923E+22	2,300947E+22	2,008507E+22	1,692977E+22	1,482897E+22	1,482898E+22	1,692967E+22	2,008471E+22
-1986	2,300884E+22	2,491844E+22	2,574203E+22	2,574253E+22	2,491953E+22	2,300970E+22	2,008514E+22	1,692973E+22	1,482881E+22	1,482874E+22	1,692961E+22	2,008513E+22
-1985	2,300994E+22	2,492005E+22	2,574336E+22	2,574325E+22	2,491981E+22	2,300970E+22	2,008483E+22	1,692919E+22	1,482831E+22	1,482857E+22	1,692989E+22	2,008564E+22
-1984	2,300997E+22	2,491929E+22	2,574221E+22	2,574207E+22	2,491910E+22	2,300964E+22	2,008510E+22	1,692937E+22	1,482818E+22	1,482811E+22	1,692910E+22	2,008464E+22
-1983	2,300914E+22	2,491907E+22	2,574276E+22	2,574284E+22	2,491950E+22	2,300971E+22	2,008513E+22	1,692939E+22	1,482802E+22	1,482779E+22	1,692887E+22	2,008502E+22
-1982	2,301041E+22	2,492043E+22	2,574355E+22	2,574338E+22	2,491985E+22	2,300967E+22	2,008469E+22	1,692883E+22	1,482771E+22	1,482780E+22	1,692895E+22	2,008456E+22
-1981	2,300927E+22	2,491922E+22	2,574239E+22	2,574233E+22	2,491936E+22	2,300969E+22	2,008492E+22	1,692898E+22	1,482759E+22	1,482743E+22	1,692851E+22	2,008421E+22
-1980	2,300899E+22	2,491945E+22	2,574342E+22	2,574343E+22	2,491993E+22	2,300978E+22	2,008475E+22	1,692876E+22	1,482748E+22	1,482753E+22	1,692891E+22	2,008512E+22
-1979	2,301002E+22	2,491964E+22	2,574299E+22	2,574307E+22	2,491973E+22	2,300970E+22	2,008469E+22	1,692865E+22	1,482739E+22	1,482752E+22	1,692879E+22	2,008452E+22
-1978	2,300909E+22	2,491860E+22	2,574186E+22	2,574238E+22	2,491965E+22	2,300987E+22	2,008494E+22	1,692887E+22	1,482742E+22	1,482731E+22	1,692857E+22	2,008461E+22
-1977	2,300985E+22	2,492022E+22	2,574345E+22	2,574313E+22	2,491974E+22	2,300974E+22	2,008474E+22	1,692874E+22	1,482747E+22	1,482756E+22	1,692906E+22	2,008529E+22
-1976	2,301011E+22	2,491975E+22	2,574270E+22	2,574227E+22	2,491897E+22	2,300935E+22	2,008479E+22	1,692903E+22	1,482783E+22	1,482780E+22	1,692883E+22	2,008440E+22
-1975	2,300893E+22	2,491886E+22	2,574268E+22	2,574290E+22	2,491947E+22	2,300950E+22	2,008491E+22	1,692933E+22	1,482817E+22	1,482805E+22	1,692903E+22	2,008488E+22
-1974	2,301005E+22	2,492015E+22	2,574347E+22	2,574348E+22	2,491998E+22	2,300969E+22	2,008468E+22	1,692905E+22	1,482825E+22	1,482855E+22	1,692973E+22	2,008517E+22
-1973	2,300947E+22	2,491908E+22	2,574215E+22	2,574210E+22	2,491920E+22	2,300969E+22	2,008515E+22	1,692954E+22	1,482853E+22	1,482854E+22	1,692946E+22	2,008478E+22
-1972	2,300904E+22	2,491899E+22	2,574277E+22	2,574287E+22	2,491956E+22	2,300981E+22	2,008535E+22	1,692990E+22	1,482895E+22	1,482890E+22	1,692978E+22	2,008547E+22
-1971	2,301022E+22	2,491979E+22	2,574289E+22	2,574274E+22	2,491935E+22	2,300962E+22	2,008525E+22	1,693000E+22	1,482927E+22	1,482934E+22	1,693003E+22	2,008501E+22
-1970	2,300913E+22	2,491860E+22	2,574174E+22	2,574195E+22	2,491909E+22	2,300963E+22	2,008547E+22	1,693032E+22	1,482950E+22	1,482931E+22	1,692979E+22	2,008479E+22
-1969	2,300926E+22	2,491952E+22	2,574314E+22	2,574300E+22	2,491949E+22	2,300963E+22	2,008526E+22	1,693016E+22	1,482953E+22	1,482959E+22	1,693040E+22	2,008575E+22
-1968	2,300997E+22	2,491934E+22	2,574245E+22	2,574227E+22	2,491895E+22	2,300933E+22	2,008511E+22	1,693005E+22	1,482948E+22	1,482962E+22	1,693026E+22	2,008507E+22
-1967	2,300891E+22	2,491827E+22	2,574185E+22	2,574232E+22	2,491926E+22	2,300962E+22	2,008537E+22	1,693015E+22	1,482926E+22	1,482915E+22	1,692987E+22	2,008524E+22
-1966	2,300998E+22	2,491992E+22	2,574309E+22	2,574302E+22	2,491970E+22	2,300976E+22	2,008510E+22	1,692967E+22	1,482890E+22	1,482906E+22	1,693011E+22	2,008557E+22
-1965	2,300988E+22	2,491943E+22	2,574235E+22	2,574190E+22	2,491877E+22	2,300944E+22	2,008518E+22	1,692972E+22	1,482870E+22	1,482857E+22	1,692931E+22	2,008459E+22
-1964	2,300898E+22	2,491895E+22	2,574283E+22	2,574290E+22	2,491937E+22	2,300954E+22	2,008513E+22	1,692970E+22	1,482865E+22	1,482848E+22	1,692923E+22	2,008485E+22
-1963	2,300996E+22	2,491996E+22	2,574327E+22	2,574326E+22	2,491974E+22	2,300958E+22	2,008478E+22	1,692924E+22	1,482840E+22	1,482857E+22	1,692957E+22	2,008479E+22
-1962	2,300904E+22	2,491869E+22	2,574192E+22	2,574221E+22	2,491944E+22	2,300976E+22	2,008501E+22	1,692925E+22	1,482810E+22	1,482803E+22	1,692901E+22	2,008449E+22
-1961	2,300902E+22	2,491913E+22	2,574294E+22	2,574307E+22	2,491979E+22	2,300989E+22	2,008505E+22	1,692920E+22	1,482801E+22	1,482801E+22	1,692932E+22	2,008546E+22
-1960	2,301027E+22	2,491964E+22	2,574265E+22	2,574248E+22	2,491916E+22	2,300942E+22	2,008480E+22	1,692910E+22	1,482803E+22	1,482813E+22	1,692925E+22	2,008476E+22
-1959	2,300922E+22	2,491868E+22	2,574189E+22	2,574214E+22	2,491911E+22	2,300952E+22	2,008507E+22	1,692939E+22	1,482809E+22	1,482790E+22	1,692884E+22	2,008455E+22
-1958	2,300968E+22	2,492007E+22	2,574343E+22	2,574317E+22	2,491965E+22	2,300961E+22	2,008482E+22	1,692920E+22	1,482824E+22	1,482836E+22	1,692955E+22	2,008525E+22
-1957	2,300984E+22	2,491966E+22	2,574279E+22	2,574231E+22	2,491889E+22	2,300922E+22	2,008476E+22	1,692929E+22	1,482841E+22	1,482850E+22	1,692938E+22	2,008460E+22

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	2,300880E+22	2,491854E+22	2,574247E+22	2,574284E+22	2,491949E+22	2,300960E+22	2,008508E+22	1,692968E+22	1,482880E+22	1,482878E+22	1,692954E+22	2,008498E+22
-1955	2,300985E+22	2,491972E+22	2,574300E+22	2,574312E+22	2,491980E+22	2,300978E+22	2,008508E+22	1,692970E+22	1,482904E+22	1,482929E+22	1,693026E+22	2,008542E+22
-1954	2,300946E+22	2,491878E+22	2,574170E+22	2,574181E+22	2,491907E+22	2,300971E+22	2,008544E+22	1,693016E+22	1,482932E+22	1,482920E+22	1,692980E+22	2,008483E+22
-1953	2,300901E+22	2,491888E+22	2,574253E+22	2,574255E+22	2,491926E+22	2,300976E+22	2,008566E+22	1,693058E+22	1,482981E+22	1,482964E+22	1,693021E+22	2,008556E+22
-1952	2,301009E+22	2,491962E+22	2,574271E+22	2,574241E+22	2,491883E+22	2,300917E+22	2,008523E+22	1,693048E+22	1,483011E+22	1,483025E+22	1,693072E+22	2,008525E+22
-1951	2,300896E+22	2,491831E+22	2,574159E+22	2,574183E+22	2,491878E+22	2,300936E+22	2,008549E+22	1,693070E+22	1,483015E+22	1,483004E+22	1,693035E+22	2,008502E+22
-1950	2,300915E+22	2,491917E+22	2,574280E+22	2,574282E+22	2,491944E+22	2,300965E+22	2,008538E+22	1,693048E+22	1,483010E+22	1,483025E+22	1,693093E+22	2,008598E+22
-1949	2,301001E+22	2,491936E+22	2,574233E+22	2,574200E+22	2,491867E+22	2,300921E+22	2,008517E+22	1,693027E+22	1,482984E+22	1,483000E+22	1,693056E+22	2,008529E+22
-1948	2,300909E+22	2,491836E+22	2,574181E+22	2,574218E+22	2,491907E+22	2,300955E+22	2,008547E+22	1,693047E+22	1,482977E+22	1,482959E+22	1,693001E+22	2,008508E+22
-1947	2,300978E+22	2,491983E+22	2,574303E+22	2,574286E+22	2,491945E+22	2,300964E+22	2,008530E+22	1,693020E+22	1,482958E+22	1,482964E+22	1,693039E+22	2,008548E+22
-1946	2,300956E+22	2,491909E+22	2,574224E+22	2,574210E+22	2,491891E+22	2,300940E+22	2,008524E+22	1,693008E+22	1,482930E+22	1,482916E+22	1,692964E+22	2,008455E+22
-1945	2,300870E+22	2,491857E+22	2,574253E+22	2,574288E+22	2,491949E+22	2,300971E+22	2,008536E+22	1,693009E+22	1,482921E+22	1,482906E+22	1,692974E+22	2,008510E+22
-1944	2,300979E+22	2,491954E+22	2,574277E+22	2,574282E+22	2,491941E+22	2,300947E+22	2,008491E+22	1,692960E+22	1,482894E+22	1,482921E+22	1,693019E+22	2,008521E+22
-1943	2,300912E+22	2,491846E+22	2,574155E+22	2,574181E+22	2,491903E+22	2,300963E+22	2,008527E+22	1,692971E+22	1,482863E+22	1,482853E+22	1,692937E+22	2,008471E+22
-1942	2,300915E+22	2,491910E+22	2,574262E+22	2,574265E+22	2,491943E+22	2,300976E+22	2,008523E+22	1,692970E+22	1,482869E+22	1,482863E+22	1,692966E+22	2,008546E+22
-1941	2,301026E+22	2,491988E+22	2,574276E+22	2,574221E+22	2,491865E+22	2,300903E+22	2,008475E+22	1,692943E+22	1,482862E+22	1,482873E+22	1,692962E+22	2,008484E+22
-1940	2,300915E+22	2,491866E+22	2,574200E+22	2,574227E+22	2,491900E+22	2,300925E+22	2,008494E+22	1,692968E+22	1,482879E+22	1,482866E+22	1,692929E+22	2,008450E+22
-1939	2,300931E+22	2,491967E+22	2,574318E+22	2,574312E+22	2,491962E+22	2,300956E+22	2,008493E+22	1,692964E+22	1,482897E+22	1,482915E+22	1,693016E+22	2,008550E+22
-1938	2,300964E+22	2,491915E+22	2,574238E+22	2,574230E+22	2,491905E+22	2,300937E+22	2,008497E+22	1,692969E+22	1,482901E+22	1,482912E+22	1,692983E+22	2,008483E+22
-1937	2,300881E+22	2,491828E+22	2,574202E+22	2,574250E+22	2,491937E+22	2,300979E+22	2,008554E+22	1,693032E+22	1,482950E+22	1,482936E+22	1,692995E+22	2,008518E+22
-1936	2,300982E+22	2,491959E+22	2,574264E+22	2,574255E+22	2,491922E+22	2,300953E+22	2,008533E+22	1,693037E+22	1,482991E+22	1,483006E+22	1,693075E+22	2,008557E+22
-1935	2,300940E+22	2,491870E+22	2,574163E+22	2,574154E+22	2,491855E+22	2,300940E+22	2,008565E+22	1,693081E+22	1,483020E+22	1,483001E+22	1,693022E+22	2,008481E+22
-1934	2,300877E+22	2,491862E+22	2,574233E+22	2,574245E+22	2,491910E+22	2,300958E+22	2,008573E+22	1,693110E+22	1,483070E+22	1,483057E+22	1,693083E+22	2,008562E+22
-1933	2,300986E+22	2,491951E+22	2,574262E+22	2,574227E+22	2,491864E+22	2,300898E+22	2,008515E+22	1,693071E+22	1,483068E+22	1,483095E+22	1,693135E+22	2,008564E+22
-1932	2,300899E+22	2,491813E+22	2,574141E+22	2,574176E+22	2,491874E+22	2,300933E+22	2,008551E+22	1,693094E+22	1,483067E+22	1,483064E+22	1,693079E+22	2,008521E+22
-1931	2,300909E+22	2,491893E+22	2,574247E+22	2,574256E+22	2,491929E+22	2,300967E+22	2,008565E+22	1,693096E+22	1,483068E+22	1,483078E+22	1,693131E+22	2,008620E+22
-1930	2,301006E+22	2,491922E+22	2,574213E+22	2,574195E+22	2,491867E+22	2,300923E+22	2,008537E+22	1,693070E+22	1,483039E+22	1,483043E+22	1,693071E+22	2,008523E+22
-1929	2,300900E+22	2,491833E+22	2,574173E+22	2,574207E+22	2,491895E+22	2,300957E+22	2,008577E+22	1,693101E+22	1,483041E+22	1,483013E+22	1,693030E+22	2,008503E+22
-1928	2,300944E+22	2,491956E+22	2,574285E+22	2,574268E+22	2,491916E+22	2,300938E+22	2,008533E+22	1,693062E+22	1,483028E+22	1,483038E+22	1,693094E+22	2,008565E+22
-1927	2,300931E+22	2,491870E+22	2,574191E+22	2,574188E+22	2,491870E+22	2,300930E+22	2,008535E+22	1,693042E+22	1,482985E+22	1,482976E+22	1,693010E+22	2,008475E+22
-1926	2,300857E+22	2,491816E+22	2,574196E+22	2,574249E+22	2,491935E+22	2,300973E+22	2,008554E+22	1,693045E+22	1,482976E+22	1,482966E+22	1,693022E+22	2,008535E+22
-1925	2,300987E+22	2,491958E+22	2,574252E+22	2,574235E+22	2,491894E+22	2,300920E+22	2,008493E+22	1,692986E+22	1,482934E+22	1,482961E+22	1,693052E+22	2,008550E+22
-1924	2,300935E+22	2,491862E+22	2,574152E+22	2,574156E+22	2,491864E+22	2,300931E+22	2,008520E+22	1,693002E+22	1,482920E+22	1,482903E+22	1,692957E+22	2,008462E+22
-1923	2,300899E+22	2,491909E+22	2,574265E+22	2,574256E+22	2,491915E+22	2,300949E+22	2,008528E+22	1,693015E+22	1,482939E+22	1,482930E+22	1,693004E+22	2,008548E+22
-1922	2,301002E+22	2,491963E+22	2,574275E+22	2,574250E+22	2,491883E+22	2,300895E+22	2,008474E+22	1,692974E+22	1,482923E+22	1,482936E+22	1,692998E+22	2,008485E+22
-1921	2,300891E+22	2,491840E+22	2,574181E+22	2,574231E+22	2,491918E+22	2,300949E+22	2,008524E+22	1,693014E+22	1,482941E+22	1,482929E+22	1,692981E+22	2,008472E+22

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	2,300905E+22	2,491924E+22	2,574275E+22	2,574280E+22	2,491942E+22	2,300957E+22	2,008522E+22	1,693019E+22	1,482970E+22	1,482988E+22	1,693074E+22	2,008582E+22
-1919	2,300961E+22	2,491885E+22	2,574195E+22	2,574190E+22	2,491875E+22	2,300939E+22	2,008540E+22	1,693038E+22	1,482980E+22	1,482980E+22	1,693023E+22	2,008496E+22
-1918	2,300877E+22	2,491812E+22	2,574161E+22	2,574204E+22	2,491904E+22	2,300973E+22	2,008587E+22	1,693105E+22	1,483046E+22	1,483024E+22	1,693044E+22	2,008520E+22
-1917	2,300966E+22	2,491962E+22	2,574259E+22	2,574222E+22	2,491867E+22	2,300910E+22	2,008532E+22	1,693085E+22	1,483073E+22	1,483092E+22	1,693134E+22	2,008577E+22
-1916	2,300928E+22	2,491856E+22	2,574159E+22	2,574151E+22	2,491834E+22	2,300903E+22	2,008547E+22	1,693115E+22	1,483103E+22	1,483093E+22	1,693084E+22	2,008496E+22
-1915	2,300851E+22	2,491824E+22	2,574201E+22	2,574226E+22	2,491898E+22	2,300945E+22	2,008574E+22	1,693145E+22	1,483139E+22	1,483139E+22	1,693153E+22	2,008604E+22
-1914	2,300984E+22	2,491913E+22	2,574226E+22	2,574223E+22	2,491872E+22	2,300904E+22	2,008527E+22	1,693100E+22	1,483114E+22	1,483145E+22	1,693172E+22	2,008592E+22
-1913	2,300918E+22	2,491814E+22	2,574118E+22	2,574153E+22	2,491866E+22	2,300947E+22	2,008587E+22	1,693144E+22	1,483117E+22	1,483102E+22	1,693105E+22	2,008535E+22
-1912	2,300907E+22	2,491889E+22	2,574229E+22	2,574218E+22	2,491885E+22	2,300946E+22	2,008583E+22	1,693149E+22	1,483134E+22	1,483131E+22	1,693155E+22	2,008620E+22
-1911	2,300992E+22	2,491912E+22	2,574213E+22	2,574184E+22	2,491841E+22	2,300910E+22	2,008559E+22	1,693120E+22	1,483106E+22	1,483101E+22	1,693094E+22	2,008508E+22
-1910	2,300866E+22	2,491805E+22	2,574151E+22	2,574198E+22	2,491892E+22	2,300954E+22	2,008589E+22	1,693144E+22	1,483111E+22	1,483086E+22	1,693075E+22	2,008499E+22
-1909	2,300908E+22	2,491929E+22	2,574259E+22	2,574241E+22	2,491895E+22	2,300924E+22	2,008531E+22	1,693083E+22	1,483074E+22	1,483095E+22	1,693144E+22	2,008597E+22
-1908	2,300930E+22	2,491845E+22	2,574162E+22	2,574166E+22	2,491854E+22	2,300918E+22	2,008534E+22	1,693069E+22	1,483038E+22	1,483031E+22	1,693047E+22	2,008495E+22
-1907	2,300856E+22	2,491795E+22	2,574157E+22	2,574206E+22	2,491903E+22	2,300959E+22	2,008568E+22	1,693089E+22	1,483034E+22	1,483019E+22	1,693059E+22	2,008558E+22
-1906	2,300995E+22	2,491951E+22	2,574239E+22	2,574223E+22	2,491876E+22	2,300903E+22	2,008500E+22	1,693023E+22	1,482989E+22	1,483008E+22	1,693072E+22	2,008551E+22
-1905	2,300933E+22	2,491872E+22	2,574162E+22	2,574156E+22	2,491849E+22	2,300920E+22	2,008534E+22	1,693046E+22	1,482981E+22	1,482961E+22	1,692994E+22	2,008464E+22
-1904	2,300866E+22	2,491882E+22	2,574256E+22	2,574250E+22	2,491898E+22	2,300925E+22	2,008525E+22	1,693053E+22	1,483009E+22	1,483006E+22	1,693060E+22	2,008568E+22
-1903	2,300980E+22	2,491925E+22	2,574248E+22	2,574238E+22	2,491883E+22	2,300906E+22	2,008496E+22	1,693013E+22	1,482985E+22	1,483003E+22	1,693047E+22	2,008504E+22
-1902	2,300877E+22	2,491802E+22	2,574130E+22	2,574195E+22	2,491913E+22	2,300966E+22	2,008560E+22	1,693070E+22	1,483015E+22	1,483003E+22	1,693030E+22	2,008488E+22
-1901	2,300901E+22	2,491915E+22	2,574242E+22	2,574229E+22	2,491901E+22	2,300942E+22	2,008542E+22	1,693072E+22	1,483040E+22	1,483052E+22	1,693116E+22	2,008605E+22
-1900	2,300969E+22	2,491886E+22	2,574183E+22	2,574160E+22	2,491836E+22	2,300909E+22	2,008544E+22	1,693094E+22	1,483071E+22	1,483061E+22	1,693061E+22	2,008493E+22
-1899	2,300853E+22	2,491792E+22	2,574146E+22	2,574181E+22	2,491871E+22	2,300945E+22	2,008596E+22	1,693164E+22	1,483138E+22	1,483116E+22	1,693106E+22	2,008540E+22
-1898	2,300946E+22	2,491925E+22	2,574244E+22	2,574232E+22	2,491870E+22	2,300897E+22	2,008531E+22	1,693120E+22	1,483142E+22	1,483169E+22	1,693189E+22	2,008601E+22
-1897	2,300921E+22	2,491835E+22	2,574138E+22	2,574141E+22	2,491836E+22	2,300915E+22	2,008568E+22	1,693154E+22	1,483159E+22	1,483158E+22	1,693144E+22	2,008531E+22
-1896	2,300844E+22	2,491796E+22	2,574169E+22	2,574195E+22	2,491874E+22	2,300938E+22	2,008592E+22	1,693190E+22	1,483202E+22	1,483201E+22	1,693202E+22	2,008638E+22
-1895	2,300999E+22	2,491905E+22	2,574198E+22	2,574186E+22	2,491849E+22	2,300908E+22	2,008560E+22	1,693152E+22	1,483177E+22	1,483195E+22	1,693192E+22	2,008589E+22
-1894	2,300913E+22	2,491810E+22	2,574099E+22	2,574121E+22	2,491844E+22	2,300947E+22	2,008617E+22	1,693205E+22	1,483195E+22	1,483169E+22	1,693131E+22	2,008517E+22
-1893	2,300880E+22	2,491886E+22	2,574233E+22	2,574202E+22	2,491849E+22	2,300913E+22	2,008583E+22	1,693189E+22	1,483201E+22	1,483196E+22	1,693193E+22	2,008622E+22
-1892	2,300965E+22	2,491883E+22	2,574202E+22	2,574184E+22	2,491831E+22	2,300884E+22	2,008543E+22	1,693150E+22	1,483175E+22	1,483174E+22	1,693141E+22	2,008513E+22
-1891	2,300832E+22	2,491755E+22	2,574107E+22	2,574167E+22	2,491880E+22	2,300951E+22	2,008596E+22	1,693174E+22	1,483167E+22	1,483153E+22	1,693135E+22	2,008538E+22
-1890	2,300906E+22	2,491885E+22	2,574217E+22	2,574219E+22	2,491886E+22	2,300922E+22	2,008540E+22	1,693106E+22	1,483111E+22	1,483135E+22	1,693174E+22	2,008622E+22
-1889	2,300951E+22	2,491850E+22	2,574143E+22	2,574132E+22	2,491829E+22	2,300915E+22	2,008555E+22	1,693108E+22	1,483080E+22	1,483069E+22	1,693075E+22	2,008509E+22
-1888	2,300857E+22	2,491798E+22	2,574153E+22	2,574176E+22	2,491857E+22	2,300924E+22	2,008568E+22	1,693128E+22	1,483096E+22	1,483075E+22	1,693088E+22	2,008564E+22
-1887	2,300989E+22	2,491946E+22	2,574244E+22	2,574219E+22	2,491861E+22	2,300892E+22	2,008509E+22	1,693060E+22	1,483051E+22	1,483068E+22	1,693100E+22	2,008542E+22
-1886	2,300907E+22	2,491848E+22	2,574151E+22	2,574158E+22	2,491862E+22	2,300929E+22	2,008549E+22	1,693087E+22	1,483049E+22	1,483036E+22	1,693042E+22	2,008468E+22
-1885	2,300839E+22	2,491855E+22	2,574234E+22	2,574231E+22	2,491887E+22	2,300926E+22	2,008538E+22	1,693085E+22	1,483064E+22	1,483068E+22	1,693110E+22	2,008596E+22

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	2,300976E+22	2,491897E+22	2,574218E+22	2,574217E+22	2,491874E+22	2,300905E+22	2,008512E+22	1,693062E+22	1,483058E+22	1,483071E+22	1,693088E+22	2,008519E+22
-1883	2,300870E+22	2,491776E+22	2,574087E+22	2,574143E+22	2,491881E+22	2,300963E+22	2,008592E+22	1,693137E+22	1,483100E+22	1,483082E+22	1,693081E+22	2,008510E+22
-1882	2,300896E+22	2,491888E+22	2,574219E+22	2,574204E+22	2,491871E+22	2,300926E+22	2,008560E+22	1,693129E+22	1,483122E+22	1,483128E+22	1,693155E+22	2,008611E+22
-1881	2,300963E+22	2,491882E+22	2,574182E+22	2,574148E+22	2,491811E+22	2,300890E+22	2,008558E+22	1,693150E+22	1,483152E+22	1,483147E+22	1,693126E+22	2,008513E+22
-1880	2,300828E+22	2,491757E+22	2,574122E+22	2,574158E+22	2,491839E+22	2,300909E+22	2,008586E+22	1,693203E+22	1,483218E+22	1,483206E+22	1,693177E+22	2,008578E+22
-1879	2,300942E+22	2,491892E+22	2,574211E+22	2,574203E+22	2,491857E+22	2,300901E+22	2,008547E+22	1,693156E+22	1,483204E+22	1,483238E+22	1,693241E+22	2,008627E+22
-1878	2,300926E+22	2,491818E+22	2,574108E+22	2,574109E+22	2,491822E+22	2,300922E+22	2,008596E+22	1,693203E+22	1,483224E+22	1,483221E+22	1,693182E+22	2,008542E+22
-1877	2,300850E+22	2,491801E+22	2,574154E+22	2,574157E+22	2,491834E+22	2,300919E+22	2,008606E+22	1,693233E+22	1,483260E+22	1,483252E+22	1,693226E+22	2,008642E+22
-1876	2,300998E+22	2,491909E+22	2,574205E+22	2,574178E+22	2,491826E+22	2,300885E+22	2,008563E+22	1,693202E+22	1,483256E+22	1,483260E+22	1,693214E+22	2,008569E+22
-1875	2,300876E+22	2,491782E+22	2,574090E+22	2,574112E+22	2,491830E+22	2,300935E+22	2,008629E+22	1,693255E+22	1,483274E+22	1,483248E+22	1,693180E+22	2,008522E+22
-1874	2,300842E+22	2,491828E+22	2,574209E+22	2,574211E+22	2,491860E+22	2,300915E+22	2,008589E+22	1,693219E+22	1,483256E+22	1,483259E+22	1,693238E+22	2,008636E+22
-1873	2,300950E+22	2,491850E+22	2,574174E+22	2,574167E+22	2,491830E+22	2,300897E+22	2,008566E+22	1,693183E+22	1,483219E+22	1,483229E+22	1,693197E+22	2,008547E+22
-1872	2,300825E+22	2,491718E+22	2,574063E+22	2,574123E+22	2,491843E+22	2,300935E+22	2,008607E+22	1,693211E+22	1,483219E+22	1,483206E+22	1,693180E+22	2,008575E+22
-1871	2,300930E+22	2,491880E+22	2,574186E+22	2,574171E+22	2,491853E+22	2,300920E+22	2,008562E+22	1,693146E+22	1,483163E+22	1,483180E+22	1,693196E+22	2,008626E+22
-1870	2,300958E+22	2,491859E+22	2,574141E+22	2,574106E+22	2,491799E+22	2,300903E+22	2,008571E+22	1,693153E+22	1,483146E+22	1,483131E+22	1,693102E+22	2,008499E+22
-1869	2,300844E+22	2,491801E+22	2,574165E+22	2,574170E+22	2,491828E+22	2,300892E+22	2,008558E+22	1,693155E+22	1,483152E+22	1,483137E+22	1,693128E+22	2,008571E+22
-1868	2,300972E+22	2,491924E+22	2,574241E+22	2,574228E+22	2,491866E+22	2,300877E+22	2,008497E+22	1,693088E+22	1,483116E+22	1,483135E+22	1,693142E+22	2,008547E+22
-1867	2,300878E+22	2,491802E+22	2,574113E+22	2,574135E+22	2,491861E+22	2,300942E+22	2,008572E+22	1,693128E+22	1,483112E+22	1,483104E+22	1,693099E+22	2,008501E+22
-1866	2,300834E+22	2,491807E+22	2,574194E+22	2,574211E+22	2,491879E+22	2,300935E+22	2,008567E+22	1,693131E+22	1,483120E+22	1,483121E+22	1,693142E+22	2,008610E+22
-1865	2,300985E+22	2,491892E+22	2,574196E+22	2,574178E+22	2,491842E+22	2,300905E+22	2,008547E+22	1,693123E+22	1,483125E+22	1,483133E+22	1,693130E+22	2,008529E+22
-1864	2,300856E+22	2,491761E+22	2,574074E+22	2,574105E+22	2,491825E+22	2,300926E+22	2,008601E+22	1,693196E+22	1,483190E+22	1,483167E+22	1,693132E+22	2,008525E+22
-1863	2,300890E+22	2,491871E+22	2,574204E+22	2,574179E+22	2,491843E+22	2,300909E+22	2,008568E+22	1,693175E+22	1,483204E+22	1,483213E+22	1,693206E+22	2,008615E+22
-1862	2,300943E+22	2,491855E+22	2,574161E+22	2,574133E+22	2,491804E+22	2,300887E+22	2,008569E+22	1,693194E+22	1,483231E+22	1,483235E+22	1,693188E+22	2,008531E+22
-1861	2,300819E+22	2,491737E+22	2,574102E+22	2,574137E+22	2,491818E+22	2,300897E+22	2,008591E+22	1,693234E+22	1,483276E+22	1,483273E+22	1,693233E+22	2,008614E+22
-1860	2,300953E+22	2,491876E+22	2,574190E+22	2,574186E+22	2,491844E+22	2,300889E+22	2,008557E+22	1,693204E+22	1,483275E+22	1,483300E+22	1,693275E+22	2,008636E+22
-1859	2,300921E+22	2,491803E+22	2,574084E+22	2,574077E+22	2,491800E+22	2,300925E+22	2,008628E+22	1,693264E+22	1,483302E+22	1,483291E+22	1,693223E+22	2,008551E+22
-1858	2,300835E+22	2,491776E+22	2,574149E+22	2,574153E+22	2,491815E+22	2,300910E+22	2,008626E+22	1,693285E+22	1,483332E+22	1,483316E+22	1,693254E+22	2,008628E+22
-1857	2,300972E+22	2,491892E+22	2,574203E+22	2,574177E+22	2,491817E+22	2,300879E+22	2,008580E+22	1,693249E+22	1,483323E+22	1,483335E+22	1,693272E+22	2,008578E+22
-1856	2,300836E+22	2,491730E+22	2,574054E+22	2,574087E+22	2,491808E+22	2,300917E+22	2,008628E+22	1,693290E+22	1,483341E+22	1,483326E+22	1,693246E+22	2,008560E+22
-1855	2,300840E+22	2,491783E+22	2,574152E+22	2,574162E+22	2,491842E+22	2,300926E+22	2,008608E+22	1,693248E+22	1,483305E+22	1,483315E+22	1,693281E+22	2,008661E+22
-1854	2,300962E+22	2,491834E+22	2,574134E+22	2,574122E+22	2,491802E+22	2,300897E+22	2,008591E+22	1,693226E+22	1,483271E+22	1,483279E+22	1,693229E+22	2,008563E+22
-1853	2,300847E+22	2,491733E+22	2,574053E+22	2,574083E+22	2,491791E+22	2,300900E+22	2,008605E+22	1,693240E+22	1,483264E+22	1,483247E+22	1,693202E+22	2,008583E+22
-1852	2,300941E+22	2,491895E+22	2,574205E+22	2,574170E+22	2,491824E+22	2,300883E+22	2,008551E+22	1,693182E+22	1,483226E+22	1,483233E+22	1,693216E+22	2,008610E+22
-1851	2,300932E+22	2,491845E+22	2,574146E+22	2,574113E+22	2,491796E+22	2,300895E+22	2,008577E+22	1,693188E+22	1,483207E+22	1,483197E+22	1,693148E+22	2,008504E+22
-1850	2,300812E+22	2,491755E+22	2,574154E+22	2,574187E+22	2,491844E+22	2,300903E+22	2,008570E+22	1,693182E+22	1,483199E+22	1,483189E+22	1,693163E+22	2,008575E+22
-1849	2,300956E+22	2,491897E+22	2,574221E+22	2,574221E+22	2,491873E+22	2,300901E+22	2,008533E+22	1,693131E+22	1,483164E+22	1,483190E+22	1,693192E+22	2,008569E+22

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	2,300866E+22	2,491762E+22	2,574067E+22	2,574091E+22	2,491826E+22	2,300933E+22	2,008598E+22	1,693185E+22	1,483184E+22	1,483171E+22	1,693145E+22	2,008527E+22
-1847	2,300843E+22	2,491784E+22	2,574146E+22	2,574152E+22	2,491843E+22	2,300937E+22	2,008600E+22	1,693192E+22	1,483199E+22	1,483190E+22	1,693177E+22	2,008608E+22
-1846	2,300976E+22	2,491884E+22	2,574184E+22	2,574147E+22	2,491801E+22	2,300883E+22	2,008567E+22	1,693187E+22	1,483218E+22	1,483223E+22	1,693181E+22	2,008531E+22
-1845	2,300840E+22	2,491747E+22	2,574066E+22	2,574087E+22	2,491781E+22	2,300878E+22	2,008584E+22	1,693230E+22	1,483265E+22	1,483254E+22	1,693199E+22	2,008550E+22
-1844	2,300882E+22	2,491847E+22	2,574189E+22	2,574174E+22	2,491831E+22	2,300881E+22	2,008553E+22	1,693207E+22	1,483279E+22	1,483296E+22	1,693268E+22	2,008639E+22
-1843	2,300932E+22	2,491821E+22	2,574127E+22	2,574108E+22	2,491793E+22	2,300892E+22	2,008587E+22	1,693233E+22	1,483295E+22	1,483309E+22	1,693250E+22	2,008569E+22
-1842	2,300823E+22	2,491710E+22	2,574078E+22	2,574122E+22	2,491806E+22	2,300902E+22	2,008616E+22	1,693278E+22	1,483331E+22	1,483322E+22	1,693260E+22	2,008620E+22
-1841	2,300960E+22	2,491883E+22	2,574187E+22	2,574169E+22	2,491826E+22	2,300894E+22	2,008592E+22	1,693262E+22	1,483341E+22	1,483359E+22	1,693310E+22	2,008633E+22
-1840	2,300895E+22	2,491779E+22	2,574074E+22	2,574059E+22	2,491766E+22	2,300902E+22	2,008644E+22	1,693325E+22	1,483387E+22	1,483370E+22	1,693268E+22	2,008557E+22
-1839	2,300815E+22	2,491739E+22	2,574118E+22	2,574134E+22	2,491810E+22	2,300917E+22	2,008646E+22	1,693333E+22	1,483407E+22	1,483394E+22	1,693302E+22	2,008627E+22
-1838	2,300940E+22	2,491853E+22	2,574170E+22	2,574157E+22	2,491810E+22	2,300887E+22	2,008603E+22	1,693295E+22	1,483392E+22	1,483411E+22	1,693328E+22	2,008600E+22
-1837	2,300831E+22	2,491703E+22	2,574018E+22	2,574050E+22	2,491773E+22	2,300898E+22	2,008633E+22	1,693318E+22	1,483390E+22	1,483383E+22	1,693297E+22	2,008598E+22
-1836	2,300862E+22	2,491778E+22	2,574124E+22	2,574130E+22	2,491809E+22	2,300899E+22	2,008610E+22	1,693289E+22	1,483364E+22	1,483363E+22	1,693309E+22	2,008671E+22
-1835	2,300968E+22	2,491835E+22	2,574117E+22	2,574089E+22	2,491770E+22	2,300884E+22	2,008606E+22	1,693270E+22	1,483332E+22	1,483335E+22	1,693263E+22	2,008572E+22
-1834	2,300841E+22	2,491730E+22	2,574070E+22	2,574094E+22	2,491772E+22	2,300879E+22	2,008608E+22	1,693272E+22	1,483314E+22	1,483293E+22	1,693223E+22	2,008573E+22
-1833	2,300921E+22	2,491888E+22	2,574216E+22	2,574187E+22	2,491826E+22	2,300876E+22	2,008557E+22	1,693210E+22	1,483273E+22	1,483291E+22	1,693263E+22	2,008613E+22
-1832	2,300892E+22	2,491796E+22	2,574119E+22	2,574106E+22	2,491790E+22	2,300890E+22	2,008583E+22	1,693219E+22	1,483263E+22	1,483261E+22	1,693202E+22	2,008534E+22
-1831	2,300808E+22	2,491713E+22	2,574096E+22	2,574145E+22	2,491838E+22	2,300927E+22	2,008601E+22	1,693221E+22	1,483251E+22	1,483243E+22	1,693199E+22	2,008583E+22
-1830	2,300947E+22	2,491873E+22	2,574179E+22	2,574176E+22	2,491845E+22	2,300906E+22	2,008570E+22	1,693190E+22	1,483233E+22	1,483250E+22	1,693224E+22	2,008577E+22
-1829	2,300871E+22	2,491760E+22	2,574045E+22	2,574048E+22	2,491770E+22	2,300896E+22	2,008602E+22	1,693233E+22	1,483256E+22	1,483238E+22	1,693185E+22	2,008540E+22
-1828	2,300844E+22	2,491783E+22	2,574141E+22	2,574136E+22	2,491800E+22	2,300888E+22	2,008591E+22	1,693244E+22	1,483286E+22	1,483271E+22	1,693222E+22	2,008607E+22
-1827	2,300949E+22	2,491858E+22	2,574167E+22	2,574139E+22	2,491788E+22	2,300868E+22	2,008571E+22	1,693229E+22	1,483295E+22	1,483311E+22	1,693253E+22	2,008559E+22
-1826	2,300820E+22	2,491709E+22	2,574054E+22	2,574093E+22	2,491781E+22	2,300876E+22	2,008591E+22	1,693258E+22	1,483319E+22	1,483318E+22	1,693251E+22	2,008575E+22
-1825	2,300881E+22	2,491831E+22	2,574173E+22	2,574167E+22	2,491829E+22	2,300894E+22	2,008582E+22	1,693248E+22	1,483331E+22	1,483357E+22	1,693324E+22	2,008666E+22
-1824	2,300927E+22	2,491795E+22	2,574093E+22	2,574077E+22	2,491768E+22	2,300887E+22	2,008615E+22	1,693293E+22	1,483371E+22	1,483377E+22	1,693294E+22	2,008591E+22
-1823	2,300834E+22	2,491701E+22	2,574042E+22	2,574076E+22	2,491784E+22	2,300916E+22	2,008655E+22	1,693344E+22	1,483414E+22	1,483393E+22	1,693289E+22	2,008604E+22
-1822	2,300932E+22	2,491871E+22	2,574181E+22	2,574153E+22	2,491800E+22	2,300886E+22	2,008624E+22	1,693334E+22	1,483436E+22	1,483445E+22	1,693354E+22	2,008630E+22
-1821	2,300869E+22	2,491750E+22	2,574053E+22	2,574044E+22	2,491735E+22	2,300867E+22	2,008639E+22	1,693366E+22	1,483465E+22	1,483455E+22	1,693332E+22	2,008583E+22
-1820	2,300802E+22	2,491702E+22	2,574079E+22	2,574113E+22	2,491790E+22	2,300892E+22	2,008643E+22	1,693372E+22	1,483478E+22	1,483468E+22	1,693360E+22	2,008653E+22
-1819	2,300931E+22	2,491819E+22	2,574124E+22	2,574117E+22	2,491787E+22	2,300885E+22	2,008621E+22	1,693333E+22	1,483447E+22	1,483473E+22	1,693385E+22	2,008640E+22
-1818	2,300841E+22	2,491691E+22	2,573999E+22	2,574025E+22	2,491741E+22	2,300881E+22	2,008643E+22	1,693349E+22	1,483430E+22	1,483417E+22	1,693317E+22	2,008606E+22
-1817	2,300875E+22	2,491803E+22	2,574139E+22	2,574121E+22	2,491783E+22	2,300883E+22	2,008620E+22	1,693323E+22	1,483409E+22	1,483409E+22	1,693337E+22	2,008666E+22
-1816	2,300947E+22	2,491826E+22	2,574122E+22	2,574090E+22	2,491745E+22	2,300854E+22	2,008602E+22	1,693305E+22	1,483394E+22	1,483394E+22	1,693295E+22	2,008573E+22
-1815	2,300822E+22	2,491703E+22	2,574044E+22	2,574089E+22	2,491786E+22	2,300894E+22	2,008620E+22	1,693303E+22	1,483368E+22	1,483350E+22	1,693255E+22	2,008563E+22
-1814	2,300882E+22	2,491852E+22	2,574193E+22	2,574183E+22	2,491837E+22	2,300897E+22	2,008587E+22	1,693254E+22	1,483331E+22	1,483348E+22	1,693301E+22	2,008627E+22
-1813	2,300880E+22	2,491760E+22	2,574076E+22	2,574074E+22	2,491765E+22	2,300881E+22	2,008599E+22	1,693258E+22	1,483316E+22	1,483314E+22	1,693246E+22	2,008564E+22

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°
-1812	2,300819E+22	2,491697E+22	2,574052E+22	2,574104E+22	2,491803E+22	2,300906E+22	2,008618E+22	1,693278E+22	1,483323E+22	1,483302E+22	1,693234E+22	2,008590E+22
-1811	2,300938E+22	2,491862E+22	2,574150E+22	2,574133E+22	2,491803E+22	2,300890E+22	2,008591E+22	1,693247E+22	1,483313E+22	1,483326E+22	1,693275E+22	2,008591E+22
-1810	2,300855E+22	2,491747E+22	2,574049E+22	2,574042E+22	2,491735E+22	2,300861E+22	2,008600E+22	1,693272E+22	1,483325E+22	1,483309E+22	1,693231E+22	2,008547E+22
-1809	2,300831E+22	2,491776E+22	2,574143E+22	2,574142E+22	2,491791E+22	2,300868E+22	2,008587E+22	1,693273E+22	1,483348E+22	1,483350E+22	1,693291E+22	2,008632E+22
-1808	2,300925E+22	2,491817E+22	2,574132E+22	2,574121E+22	2,491774E+22	2,300857E+22	2,008574E+22	1,693264E+22	1,483362E+22	1,483387E+22	1,693316E+22	2,008604E+22
-1807	2,300833E+22	2,491685E+22	2,574003E+22	2,574055E+22	2,491777E+22	2,300899E+22	2,008623E+22	1,693305E+22	1,483380E+22	1,483376E+22	1,693288E+22	2,008586E+22
-1806	2,300880E+22	2,491825E+22	2,574152E+22	2,574138E+22	2,491808E+22	2,300901E+22	2,008625E+22	1,693319E+22	1,483409E+22	1,483418E+22	1,693350E+22	2,008668E+22
-1805	2,300925E+22	2,491794E+22	2,574083E+22	2,574052E+22	2,491726E+22	2,300859E+22	2,008630E+22	1,693352E+22	1,483455E+22	1,483451E+22	1,693333E+22	2,008594E+22
-1804	2,300821E+22	2,491691E+22	2,574033E+22	2,574068E+22	2,491757E+22	2,300882E+22	2,008663E+22	1,693408E+22	1,483509E+22	1,483480E+22	1,693337E+22	2,008597E+22
-1803	2,300886E+22	2,491827E+22	2,574151E+22	2,574139E+22	2,491795E+22	2,300884E+22	2,008639E+22	1,693385E+22	1,483519E+22	1,483536E+22	1,693425E+22	2,008656E+22
-1802	2,300842E+22	2,491707E+22	2,574030E+22	2,574034E+22	2,491725E+22	2,300862E+22	2,008649E+22	1,693400E+22	1,483522E+22	1,483519E+22	1,693385E+22	2,008614E+22
-1801	2,300807E+22	2,491687E+22	2,574052E+22	2,574088E+22	2,491771E+22	2,300886E+22	2,008658E+22	1,693405E+22	1,483525E+22	1,483525E+22	1,693412E+22	2,008682E+22
-1800	2,300931E+22	2,491799E+22	2,574087E+22	2,574077E+22	2,491751E+22	2,300866E+22	2,008633E+22	1,693377E+22	1,483508E+22	1,483528E+22	1,693421E+22	2,008664E+22
-1799	2,300858E+22	2,491698E+22	2,573980E+22	2,573991E+22	2,491719E+22	2,300879E+22	2,008658E+22	1,693389E+22	1,483488E+22	1,483468E+22	1,693336E+22	2,008591E+22
-1798	2,300851E+22	2,491799E+22	2,574147E+22	2,574122E+22	2,491769E+22	2,300870E+22	2,008633E+22	1,693367E+22	1,483475E+22	1,483468E+22	1,693365E+22	2,008663E+22
-1797	2,300923E+22	2,491797E+22	2,574107E+22	2,574090E+22	2,491738E+22	2,300833E+22	2,008591E+22	1,693327E+22	1,483446E+22	1,483455E+22	1,693342E+22	2,008594E+22
-1796	2,300811E+22	2,491672E+22	2,574007E+22	2,574070E+22	2,491778E+22	2,300885E+22	2,008627E+22	1,693338E+22	1,483423E+22	1,483405E+22	1,693296E+22	2,008577E+22
-1795	2,300862E+22	2,491812E+22	2,574142E+22	2,574143E+22	2,491821E+22	2,300906E+22	2,008618E+22	1,693299E+22	1,483386E+22	1,483402E+22	1,693343E+22	2,008652E+22
-1794	2,300878E+22	2,491747E+22	2,574057E+22	2,574042E+22	2,491730E+22	2,300864E+22	2,008615E+22	1,693301E+22	1,483369E+22	1,483358E+22	1,693268E+22	2,008570E+22
-1793	2,300823E+22	2,491710E+22	2,574054E+22	2,574083E+22	2,491767E+22	2,300881E+22	2,008627E+22	1,693319E+22	1,483386E+22	1,483368E+22	1,693276E+22	2,008594E+22
-1792	2,300912E+22	2,491840E+22	2,574138E+22	2,574120E+22	2,491773E+22	2,300858E+22	2,008589E+22	1,693291E+22	1,483390E+22	1,483406E+22	1,693330E+22	2,008614E+22
-1791	2,300846E+22	2,491725E+22	2,574018E+22	2,574026E+22	2,491740E+22	2,300868E+22	2,008607E+22	1,693306E+22	1,483389E+22	1,483382E+22	1,693280E+22	2,008556E+22
-1790	2,300808E+22	2,491753E+22	2,574127E+22	2,574133E+22	2,491792E+22	2,300880E+22	2,008614E+22	1,693321E+22	1,483416E+22	1,483417E+22	1,693337E+22	2,008660E+22
-1789	2,300930E+22	2,491795E+22	2,574101E+22	2,574096E+22	2,491753E+22	2,300845E+22	2,008590E+22	1,693311E+22	1,483429E+22	1,483451E+22	1,693362E+22	2,008632E+22
-1788	2,300847E+22	2,491682E+22	2,573975E+22	2,574023E+22	2,491748E+22	2,300883E+22	2,008651E+22	1,693377E+22	1,483468E+22	1,483447E+22	1,693322E+22	2,008585E+22
-1787	2,300857E+22	2,491809E+22	2,574135E+22	2,574112E+22	2,491781E+22	2,300896E+22	2,008659E+22	1,693392E+22	1,483506E+22	1,483507E+22	1,693401E+22	2,008671E+22
-1786	2,300890E+22	2,491767E+22	2,574084E+22	2,574049E+22	2,491701E+22	2,300833E+22	2,008636E+22	1,693404E+22	1,483538E+22	1,483535E+22	1,693387E+22	2,008602E+22
-1785	2,300794E+22	2,491663E+22	2,574015E+22	2,574060E+22	2,491751E+22	2,300871E+22	2,008665E+22	1,693441E+22	1,483579E+22	1,483570E+22	1,693414E+22	2,008628E+22
-1784	2,300859E+22	2,491772E+22	2,574096E+22	2,574100E+22	2,491771E+22	2,300873E+22	2,008645E+22	1,693420E+22	1,483584E+22	1,483611E+22	1,693490E+22	2,008706E+22
-1783	2,300860E+22	2,491683E+22	2,573969E+22	2,573979E+22	2,491706E+22	2,300869E+22	2,008668E+22	1,693437E+22	1,483575E+22	1,483570E+22	1,693419E+22	2,008629E+22
-1782	2,300815E+22	2,491694E+22	2,574042E+22	2,574059E+22	2,491741E+22	2,300875E+22	2,008680E+22	1,693456E+22	1,483587E+22	1,483571E+22	1,693430E+22	2,008691E+22
-1781	2,300939E+22	2,491804E+22	2,574088E+22	2,574060E+22	2,491712E+22	2,300828E+22	2,008628E+22	1,693412E+22	1,483568E+22	1,483582E+22	1,693448E+22	2,008666E+22
-1780	2,300852E+22	2,491697E+22	2,573984E+22	2,573996E+22	2,491705E+22	2,300853E+22	2,008658E+22	1,693430E+22	1,483551E+22	1,483527E+22	1,693366E+22	2,008580E+22
-1779	2,300809E+22	2,491763E+22	2,574130E+22	2,574122E+22	2,491780E+22	2,300882E+22	2,008650E+22	1,693402E+22	1,483530E+22	1,483530E+22	1,693410E+22	2,008675E+22
-1778	2,300890E+22	2,491759E+22	2,574091E+22	2,574083E+22	2,491738E+22	2,300840E+22	2,008608E+22	1,693355E+22	1,483487E+22	1,483498E+22	1,693375E+22	2,008611E+22
-1777	2,300810E+22	2,491656E+22	2,573979E+22	2,574043E+22	2,491767E+22	2,300889E+22	2,008649E+22	1,693373E+22	1,483471E+22	1,483459E+22	1,693337E+22	2,008594E+22

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	2,300852E+22	2,491782E+22	2,574097E+22	2,574093E+22	2,491784E+22	2,300893E+22	2,008637E+22	1,693352E+22	1,483457E+22	1,483464E+22	1,693379E+22	2,008670E+22
-1775	2,300886E+22	2,491744E+22	2,574028E+22	2,574001E+22	2,491702E+22	2,300855E+22	2,008630E+22	1,693351E+22	1,483443E+22	1,483426E+22	1,693301E+22	2,008565E+22
-1774	2,300800E+22	2,491700E+22	2,574060E+22	2,574079E+22	2,491745E+22	2,300855E+22	2,008631E+22	1,693368E+22	1,483463E+22	1,483443E+22	1,693323E+22	2,008611E+22
-1773	2,300899E+22	2,491808E+22	2,574119E+22	2,574109E+22	2,491755E+22	2,300829E+22	2,008575E+22	1,693317E+22	1,483454E+22	1,483483E+22	1,693393E+22	2,008652E+22
-1772	2,300853E+22	2,491706E+22	2,573990E+22	2,574004E+22	2,491724E+22	2,300856E+22	2,008618E+22	1,693346E+22	1,483451E+22	1,483448E+22	1,693329E+22	2,008578E+22
-1771	2,300800E+22	2,491727E+22	2,574091E+22	2,574100E+22	2,491779E+22	2,300891E+22	2,008647E+22	1,693375E+22	1,483484E+22	1,483481E+22	1,693379E+22	2,008677E+22
-1770	2,300926E+22	2,491791E+22	2,574099E+22	2,574077E+22	2,491729E+22	2,300835E+22	2,008611E+22	1,693366E+22	1,483500E+22	1,483511E+22	1,693389E+22	2,008631E+22
-1769	2,300840E+22	2,491687E+22	2,573981E+22	2,574011E+22	2,491724E+22	2,300866E+22	2,008665E+22	1,693429E+22	1,483551E+22	1,483533E+22	1,693372E+22	2,008581E+22
-1768	2,300811E+22	2,491757E+22	2,574105E+22	2,574095E+22	2,491764E+22	2,300879E+22	2,008669E+22	1,693449E+22	1,483598E+22	1,483602E+22	1,693465E+22	2,008693E+22
-1767	2,300871E+22	2,491724E+22	2,574035E+22	2,574021E+22	2,491705E+22	2,300845E+22	2,008653E+22	1,693448E+22	1,483612E+22	1,483617E+22	1,693447E+22	2,008621E+22
-1766	2,300774E+22	2,491629E+22	2,573984E+22	2,574031E+22	2,491732E+22	2,300873E+22	2,008691E+22	1,693492E+22	1,483648E+22	1,483636E+22	1,693465E+22	2,008669E+22
-1765	2,300875E+22	2,491747E+22	2,574054E+22	2,574055E+22	2,491732E+22	2,300850E+22	2,008653E+22	1,693461E+22	1,483646E+22	1,483672E+22	1,693534E+22	2,008740E+22
-1764	2,300890E+22	2,491696E+22	2,573953E+22	2,573939E+22	2,491661E+22	2,300841E+22	2,008681E+22	1,693489E+22	1,483642E+22	1,483627E+22	1,693444E+22	2,008626E+22
-1763	2,300803E+22	2,491693E+22	2,574045E+22	2,574044E+22	2,491715E+22	2,300861E+22	2,008694E+22	1,693504E+22	1,483657E+22	1,483637E+22	1,693464E+22	2,008685E+22
-1762	2,300909E+22	2,491792E+22	2,574107E+22	2,574074E+22	2,491705E+22	2,300806E+22	2,008622E+22	1,693441E+22	1,483623E+22	1,483639E+22	1,693481E+22	2,008665E+22
-1761	2,300827E+22	2,491674E+22	2,573978E+22	2,574001E+22	2,491716E+22	2,300855E+22	2,008659E+22	1,693448E+22	1,483599E+22	1,483592E+22	1,693417E+22	2,008595E+22
-1760	2,300777E+22	2,491701E+22	2,574079E+22	2,574090E+22	2,491771E+22	2,300891E+22	2,008672E+22	1,693439E+22	1,483583E+22	1,483586E+22	1,693454E+22	2,008703E+22
-1759	2,300898E+22	2,491732E+22	2,574035E+22	2,574034E+22	2,491725E+22	2,300854E+22	2,008637E+22	1,693399E+22	1,483539E+22	1,483544E+22	1,693398E+22	2,008613E+22
-1758	2,300806E+22	2,491656E+22	2,573970E+22	2,574007E+22	2,491730E+22	2,300877E+22	2,008674E+22	1,693430E+22	1,483540E+22	1,483512E+22	1,693360E+22	2,008604E+22
-1757	2,300854E+22	2,491771E+22	2,574087E+22	2,574066E+22	2,491738E+22	2,300850E+22	2,008628E+22	1,693391E+22	1,483529E+22	1,483536E+22	1,693422E+22	2,008682E+22
-1756	2,300884E+22	2,491735E+22	2,574023E+22	2,573993E+22	2,491678E+22	2,300823E+22	2,008626E+22	1,693390E+22	1,483512E+22	1,483502E+22	1,693351E+22	2,008573E+22
-1755	2,300773E+22	2,491669E+22	2,574045E+22	2,574075E+22	2,491749E+22	2,300860E+22	2,008642E+22	1,693401E+22	1,483525E+22	1,483516E+22	1,693382E+22	2,008638E+22
-1754	2,300885E+22	2,491783E+22	2,574109E+22	2,574098E+22	2,491747E+22	2,300828E+22	2,008587E+22	1,693348E+22	1,483502E+22	1,483535E+22	1,693433E+22	2,008675E+22
-1753	2,300862E+22	2,491699E+22	2,573976E+22	2,573986E+22	2,491716E+22	2,300862E+22	2,008640E+22	1,693387E+22	1,483513E+22	1,483513E+22	1,693372E+22	2,008590E+22
-1752	2,300788E+22	2,491700E+22	2,574058E+22	2,574059E+22	2,491749E+22	2,300887E+22	2,008678E+22	1,693440E+22	1,483569E+22	1,483557E+22	1,693417E+22	2,008682E+22
-1751	2,300916E+22	2,491773E+22	2,574070E+22	2,574045E+22	2,491710E+22	2,300833E+22	2,008637E+22	1,693429E+22	1,483590E+22	1,483595E+22	1,693431E+22	2,008622E+22
-1750	2,300803E+22	2,491658E+22	2,573973E+22	2,574002E+22	2,491708E+22	2,300853E+22	2,008681E+22	1,693490E+22	1,483644E+22	1,483622E+22	1,693433E+22	2,008608E+22
-1749	2,300795E+22	2,491702E+22	2,574056E+22	2,574061E+22	2,491737E+22	2,300855E+22	2,008665E+22	1,693486E+22	1,483675E+22	1,483691E+22	1,693537E+22	2,008737E+22
-1748	2,300883E+22	2,491699E+22	2,573990E+22	2,573975E+22	2,491666E+22	2,300827E+22	2,008670E+22	1,693496E+22	1,483678E+22	1,483688E+22	1,693501E+22	2,008651E+22
-1747	2,300781E+22	2,491614E+22	2,573954E+22	2,573990E+22	2,491700E+22	2,300865E+22	2,008713E+22	1,693541E+22	1,483711E+22	1,483697E+22	1,693506E+22	2,008685E+22
-1746	2,300880E+22	2,491760E+22	2,574067E+22	2,574035E+22	2,491694E+22	2,300822E+22	2,008658E+22	1,693500E+22	1,483703E+22	1,483722E+22	1,693556E+22	2,008737E+22
-1745	2,300888E+22	2,491712E+22	2,573981E+22	2,573950E+22	2,491649E+22	2,300822E+22	2,008679E+22	1,693518E+22	1,483704E+22	1,483697E+22	1,693481E+22	2,008615E+22
-1744	2,300763E+22	2,491653E+22	2,574031E+22	2,574046E+22	2,491718E+22	2,300859E+22	2,008703E+22	1,693542E+22	1,483722E+22	1,483706E+22	1,693507E+22	2,008690E+22
-1743	2,300887E+22	2,491751E+22	2,574067E+22	2,574064E+22	2,491728E+22	2,300834E+22	2,008645E+22	1,693475E+22	1,483676E+22	1,483696E+22	1,693519E+22	2,008670E+22
-1742	2,300802E+22	2,491638E+22	2,573952E+22	2,573983E+22	2,491710E+22	2,300870E+22	2,008694E+22	1,693499E+22	1,483656E+22	1,483640E+22	1,693453E+22	2,008624E+22
-1741	2,300781E+22	2,491659E+22	2,574024E+22	2,574041E+22	2,491736E+22	2,300877E+22	2,008687E+22	1,693484E+22	1,483644E+22	1,483644E+22	1,693493E+22	2,008726E+22

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	2,300917E+22	2,491734E+22	2,574012E+22	2,573985E+22	2,491669E+22	2,300827E+22	2,008656E+22	1,693454E+22	1,483608E+22	1,483608E+22	1,693434E+22	2,008614E+22
-1739	2,300791E+22	2,491645E+22	2,573964E+22	2,573985E+22	2,491692E+22	2,300851E+22	2,008679E+22	1,693472E+22	1,483610E+22	1,483586E+22	1,693409E+22	2,008610E+22
-1738	2,300833E+22	2,491760E+22	2,574097E+22	2,574067E+22	2,491719E+22	2,300818E+22	2,008610E+22	1,693411E+22	1,483582E+22	1,483601E+22	1,693472E+22	2,008702E+22
-1737	2,300882E+22	2,491722E+22	2,574017E+22	2,573992E+22	2,491678E+22	2,300815E+22	2,008614E+22	1,693398E+22	1,483557E+22	1,483569E+22	1,693408E+22	2,008597E+22
-1736	2,300760E+22	2,491623E+22	2,573999E+22	2,574043E+22	2,491737E+22	2,300868E+22	2,008664E+22	1,693438E+22	1,483577E+22	1,483571E+22	1,693423E+22	2,008662E+22
-1735	2,300898E+22	2,491768E+22	2,574067E+22	2,574064E+22	2,491742E+22	2,300843E+22	2,008621E+22	1,693401E+22	1,483563E+22	1,483585E+22	1,693454E+22	2,008669E+22
-1734	2,300851E+22	2,491697E+22	2,573978E+22	2,573966E+22	2,491687E+22	2,300857E+22	2,008675E+22	1,693459E+22	1,483597E+22	1,483577E+22	1,693401E+22	2,008594E+22
-1733	2,300772E+22	2,491665E+22	2,574035E+22	2,574036E+22	2,491714E+22	2,300859E+22	2,008687E+22	1,693498E+22	1,483661E+22	1,483648E+22	1,693472E+22	2,008688E+22
-1732	2,300898E+22	2,491747E+22	2,574049E+22	2,574023E+22	2,491681E+22	2,300814E+22	2,008652E+22	1,693486E+22	1,483677E+22	1,483689E+22	1,693496E+22	2,008634E+22
-1731	2,300772E+22	2,491613E+22	2,573941E+22	2,573977E+22	2,491693E+22	2,300854E+22	2,008701E+22	1,693539E+22	1,483722E+22	1,483711E+22	1,693503E+22	2,008640E+22
-1730	2,300790E+22	2,491680E+22	2,574034E+22	2,574032E+22	2,491707E+22	2,300839E+22	2,008674E+22	1,693525E+22	1,483736E+22	1,483755E+22	1,693587E+22	2,008769E+22
-1729	2,300905E+22	2,491702E+22	2,573976E+22	2,573951E+22	2,491643E+22	2,300814E+22	2,008676E+22	1,693532E+22	1,483744E+22	1,483758E+22	1,693546E+22	2,008665E+22
-1728	2,300778E+22	2,491601E+22	2,573935E+22	2,573961E+22	2,491669E+22	2,300853E+22	2,008732E+22	1,693594E+22	1,483786E+22	1,483766E+22	1,693544E+22	2,008690E+22
-1727	2,300873E+22	2,491751E+22	2,574059E+22	2,574032E+22	2,491689E+22	2,300818E+22	2,008673E+22	1,693548E+22	1,483774E+22	1,483789E+22	1,693590E+22	2,008723E+22
-1726	2,300849E+22	2,491686E+22	2,573987E+22	2,573965E+22	2,491654E+22	2,300824E+22	2,008695E+22	1,693564E+22	1,483772E+22	1,483762E+22	1,693529E+22	2,008637E+22
-1725	2,300743E+22	2,491594E+22	2,573981E+22	2,574021E+22	2,491710E+22	2,300858E+22	2,008711E+22	1,693573E+22	1,483780E+22	1,483774E+22	1,693562E+22	2,008717E+22
-1724	2,300889E+22	2,491721E+22	2,574018E+22	2,574017E+22	2,491695E+22	2,300834E+22	2,008676E+22	1,693522E+22	1,483728E+22	1,483748E+22	1,693558E+22	2,008686E+22
-1723	2,300801E+22	2,491620E+22	2,573919E+22	2,573940E+22	2,491674E+22	2,300864E+22	2,008721E+22	1,693549E+22	1,483717E+22	1,483694E+22	1,693487E+22	2,008635E+22
-1722	2,300784E+22	2,491667E+22	2,574022E+22	2,574008E+22	2,491683E+22	2,300838E+22	2,008685E+22	1,693519E+22	1,483699E+22	1,483693E+22	1,693519E+22	2,008727E+22
-1721	2,300915E+22	2,491740E+22	2,574025E+22	2,573987E+22	2,491646E+22	2,300795E+22	2,008640E+22	1,693474E+22	1,483666E+22	1,483677E+22	1,693479E+22	2,008616E+22
-1720	2,300764E+22	2,491611E+22	2,573947E+22	2,573982E+22	2,491686E+22	2,300840E+22	2,008678E+22	1,693498E+22	1,483664E+22	1,483650E+22	1,693459E+22	2,008628E+22
-1719	2,300824E+22	2,491730E+22	2,574065E+22	2,574059E+22	2,491730E+22	2,300833E+22	2,008626E+22	1,693438E+22	1,483626E+22	1,483651E+22	1,693509E+22	2,008712E+22
-1718	2,300869E+22	2,491702E+22	2,574006E+22	2,573986E+22	2,491677E+22	2,300831E+22	2,008648E+22	1,693447E+22	1,483612E+22	1,483614E+22	1,693441E+22	2,008624E+22
-1717	2,300769E+22	2,491594E+22	2,573954E+22	2,574002E+22	2,491708E+22	2,300860E+22	2,008687E+22	1,693494E+22	1,483651E+22	1,483636E+22	1,693457E+22	2,008667E+22
-1716	2,300901E+22	2,491768E+22	2,574050E+22	2,574024E+22	2,491692E+22	2,300829E+22	2,008658E+22	1,693473E+22	1,483650E+22	1,483662E+22	1,693491E+22	2,008659E+22
-1715	2,300818E+22	2,491671E+22	2,573969E+22	2,573954E+22	2,491657E+22	2,300837E+22	2,008695E+22	1,693525E+22	1,483694E+22	1,483674E+22	1,693464E+22	2,008599E+22
-1714	2,300739E+22	2,491631E+22	2,574017E+22	2,574023E+22	2,491689E+22	2,300831E+22	2,008682E+22	1,693538E+22	1,483739E+22	1,483737E+22	1,693543E+22	2,008716E+22
-1713	2,300888E+22	2,491717E+22	2,574021E+22	2,574005E+22	2,491668E+22	2,300804E+22	2,008648E+22	1,693511E+22	1,483745E+22	1,483778E+22	1,693571E+22	2,008672E+22
-1712	2,300768E+22	2,491574E+22	2,573889E+22	2,573932E+22	2,491663E+22	2,300849E+22	2,008721E+22	1,693583E+22	1,483787E+22	1,483780E+22	1,693558E+22	2,008675E+22
-1711	2,300813E+22	2,491677E+22	2,574001E+22	2,573999E+22	2,491687E+22	2,300835E+22	2,008696E+22	1,693575E+22	1,483802E+22	1,483812E+22	1,693616E+22	2,008770E+22
-1710	2,300902E+22	2,491713E+22	2,573993E+22	2,573950E+22	2,491621E+22	2,300802E+22	2,008697E+22	1,693590E+22	1,483819E+22	1,483817E+22	1,693577E+22	2,008673E+22
-1709	2,300764E+22	2,491574E+22	2,573921E+22	2,573957E+22	2,491653E+22	2,300833E+22	2,008736E+22	1,693640E+22	1,483864E+22	1,483844E+22	1,693590E+22	2,008692E+22
-1708	2,300852E+22	2,491729E+22	2,574043E+22	2,574021E+22	2,491678E+22	2,300820E+22	2,008699E+22	1,693596E+22	1,483840E+22	1,483859E+22	1,693639E+22	2,008730E+22
-1707	2,300815E+22	2,491638E+22	2,573953E+22	2,573949E+22	2,491649E+22	2,300837E+22	2,008726E+22	1,693610E+22	1,483834E+22	1,483827E+22	1,693581E+22	2,008656E+22
-1706	2,300733E+22	2,491566E+22	2,573942E+22	2,573986E+22	2,491682E+22	2,300849E+22	2,008728E+22	1,693611E+22	1,483830E+22	1,483822E+22	1,693599E+22	2,008738E+22
-1705	2,300901E+22	2,491721E+22	2,573994E+22	2,573981E+22	2,491662E+22	2,300816E+22	2,008678E+22	1,693553E+22	1,483786E+22	1,483807E+22	1,693592E+22	2,008692E+22

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	2,300792E+22	2,491606E+22	2,573894E+22	2,573899E+22	2,491628E+22	2,300838E+22	2,008729E+22	1,693592E+22	1,483781E+22	1,483756E+22	1,693523E+22	2,008641E+22
-1703	2,300778E+22	2,491659E+22	2,574012E+22	2,574006E+22	2,491668E+22	2,300812E+22	2,008681E+22	1,693552E+22	1,483758E+22	1,483753E+22	1,693555E+22	2,008725E+22
-1702	2,300888E+22	2,491723E+22	2,574029E+22	2,574001E+22	2,491647E+22	2,300784E+22	2,008640E+22	1,693503E+22	1,483718E+22	1,483730E+22	1,693527E+22	2,008649E+22
-1701	2,300757E+22	2,491568E+22	2,573903E+22	2,573960E+22	2,491677E+22	2,300836E+22	2,008682E+22	1,693523E+22	1,483712E+22	1,483707E+22	1,693506E+22	2,008655E+22
-1700	2,300834E+22	2,491719E+22	2,574033E+22	2,574021E+22	2,491699E+22	2,300836E+22	2,008664E+22	1,693487E+22	1,483678E+22	1,483697E+22	1,693537E+22	2,008716E+22
-1699	2,300859E+22	2,491691E+22	2,573988E+22	2,573962E+22	2,491651E+22	2,300829E+22	2,008682E+22	1,693509E+22	1,483686E+22	1,483675E+22	1,693472E+22	2,008619E+22
-1698	2,300755E+22	2,491595E+22	2,573951E+22	2,573981E+22	2,491670E+22	2,300833E+22	2,008697E+22	1,693547E+22	1,483730E+22	1,483709E+22	1,693496E+22	2,008662E+22
-1697	2,300875E+22	2,491752E+22	2,574047E+22	2,574026E+22	2,491679E+22	2,300806E+22	2,008651E+22	1,693514E+22	1,483736E+22	1,483757E+22	1,693553E+22	2,008665E+22
-1696	2,300780E+22	2,491619E+22	2,573928E+22	2,573935E+22	2,491647E+22	2,300832E+22	2,008708E+22	1,693573E+22	1,483775E+22	1,483766E+22	1,693538E+22	2,008634E+22
-1695	2,300732E+22	2,491592E+22	2,573969E+22	2,573999E+22	2,491683E+22	2,300833E+22	2,008703E+22	1,693583E+22	1,483806E+22	1,483809E+22	1,693601E+22	2,008746E+22
-1694	2,300886E+22	2,491699E+22	2,573998E+22	2,573985E+22	2,491651E+22	2,300804E+22	2,008679E+22	1,693569E+22	1,483813E+22	1,483837E+22	1,693622E+22	2,008717E+22
-1693	2,300788E+22	2,491560E+22	2,573850E+22	2,573887E+22	2,491625E+22	2,300831E+22	2,008737E+22	1,693637E+22	1,483864E+22	1,483852E+22	1,693601E+22	2,008690E+22
-1692	2,300822E+22	2,491689E+22	2,573998E+22	2,573966E+22	2,491639E+22	2,300817E+22	2,008726E+22	1,693637E+22	1,483881E+22	1,483885E+22	1,693653E+22	2,008762E+22
-1691	2,300871E+22	2,491695E+22	2,573997E+22	2,573959E+22	2,491612E+22	2,300789E+22	2,008712E+22	1,693646E+22	1,483903E+22	1,483900E+22	1,693629E+22	2,008674E+22
-1690	2,300736E+22	2,491549E+22	2,573901E+22	2,573948E+22	2,491643E+22	2,300817E+22	2,008734E+22	1,693671E+22	1,483926E+22	1,483914E+22	1,693643E+22	2,008710E+22
-1689	2,300832E+22	2,491695E+22	2,574009E+22	2,574002E+22	2,491672E+22	2,300819E+22	2,008702E+22	1,693622E+22	1,483896E+22	1,483925E+22	1,693688E+22	2,008752E+22
-1688	2,300804E+22	2,491598E+22	2,573899E+22	2,573902E+22	2,491621E+22	2,300835E+22	2,008752E+22	1,693657E+22	1,483890E+22	1,483880E+22	1,693618E+22	2,008679E+22
-1687	2,300744E+22	2,491557E+22	2,573906E+22	2,573947E+22	2,491649E+22	2,300832E+22	2,008744E+22	1,693656E+22	1,483886E+22	1,483867E+22	1,693619E+22	2,008734E+22
-1686	2,300888E+22	2,491726E+22	2,574005E+22	2,573976E+22	2,491635E+22	2,300793E+22	2,008687E+22	1,693597E+22	1,483846E+22	1,483857E+22	1,693625E+22	2,008707E+22
-1685	2,300780E+22	2,491584E+22	2,573876E+22	2,573889E+22	2,491608E+22	2,300807E+22	2,008717E+22	1,693619E+22	1,483841E+22	1,483822E+22	1,693569E+22	2,008651E+22
-1684	2,300767E+22	2,491648E+22	2,574000E+22	2,573992E+22	2,491653E+22	2,300809E+22	2,008695E+22	1,693581E+22	1,483806E+22	1,483809E+22	1,693598E+22	2,008737E+22
-1683	2,300865E+22	2,491691E+22	2,574010E+22	2,573999E+22	2,491650E+22	2,300795E+22	2,008664E+22	1,693542E+22	1,483771E+22	1,483784E+22	1,693566E+22	2,008665E+22
-1682	2,300756E+22	2,491556E+22	2,573874E+22	2,573935E+22	2,491658E+22	2,300830E+22	2,008699E+22	1,693563E+22	1,483764E+22	1,483754E+22	1,693536E+22	2,008667E+22
-1681	2,300833E+22	2,491718E+22	2,574018E+22	2,573998E+22	2,491679E+22	2,300829E+22	2,008676E+22	1,693533E+22	1,483751E+22	1,483764E+22	1,693569E+22	2,008712E+22
-1680	2,300835E+22	2,491667E+22	2,573964E+22	2,573933E+22	2,491619E+22	2,300816E+22	2,008707E+22	1,693572E+22	1,483772E+22	1,483758E+22	1,693521E+22	2,008625E+22
-1679	2,300732E+22	2,491564E+22	2,573923E+22	2,573973E+22	2,491658E+22	2,300814E+22	2,008706E+22	1,693598E+22	1,483813E+22	1,483794E+22	1,693554E+22	2,008675E+22
-1678	2,300843E+22	2,491715E+22	2,574024E+22	2,574020E+22	2,491676E+22	2,300802E+22	2,008662E+22	1,693558E+22	1,483809E+22	1,483835E+22	1,693626E+22	2,008718E+22
-1677	2,300779E+22	2,491571E+22	2,573865E+22	2,573888E+22	2,491619E+22	2,300819E+22	2,008717E+22	1,693612E+22	1,483844E+22	1,483844E+22	1,693603E+22	2,008679E+22
-1676	2,300758E+22	2,491595E+22	2,573936E+22	2,573945E+22	2,491633E+22	2,300822E+22	2,008735E+22	1,693639E+22	1,483873E+22	1,483871E+22	1,693642E+22	2,008765E+22
-1675	2,300890E+22	2,491702E+22	2,573991E+22	2,573961E+22	2,491615E+22	2,300787E+22	2,008702E+22	1,693631E+22	1,483894E+22	1,483906E+22	1,693655E+22	2,008714E+22
-1674	2,300782E+22	2,491573E+22	2,573859E+22	2,573878E+22	2,491593E+22	2,300800E+22	2,008740E+22	1,693684E+22	1,483940E+22	1,483923E+22	1,693638E+22	2,008686E+22
-1673	2,300797E+22	2,491679E+22	2,574006E+22	2,573980E+22	2,491639E+22	2,300801E+22	2,008719E+22	1,693673E+22	1,483959E+22	1,483968E+22	1,693701E+22	2,008759E+22
-1672	2,300827E+22	2,491643E+22	2,573960E+22	2,573945E+22	2,491615E+22	2,300800E+22	2,008735E+22	1,693692E+22	1,483973E+22	1,483976E+22	1,693686E+22	2,008695E+22
-1671	2,300718E+22	2,491504E+22	2,573853E+22	2,573929E+22	2,491644E+22	2,300827E+22	2,008761E+22	1,693717E+22	1,483986E+22	1,483973E+22	1,693685E+22	2,008727E+22
-1670	2,300819E+22	2,491666E+22	2,573977E+22	2,573977E+22	2,491657E+22	2,300822E+22	2,008731E+22	1,693676E+22	1,483957E+22	1,483974E+22	1,693727E+22	2,008784E+22
-1669	2,300810E+22	2,491577E+22	2,573853E+22	2,573848E+22	2,491574E+22	2,300810E+22	2,008762E+22	1,693705E+22	1,483961E+22	1,483945E+22	1,693656E+22	2,008691E+22

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	2,300748E+22	2,491567E+22	2,573904E+22	2,573909E+22	2,491593E+22	2,300801E+22	2,008758E+22	1,693702E+22	1,483952E+22	1,483932E+22	1,693656E+22	2,008734E+22
-1667	2,300860E+22	2,491705E+22	2,574007E+22	2,573982E+22	2,491623E+22	2,300771E+22	2,008685E+22	1,693633E+22	1,483911E+22	1,483928E+22	1,693673E+22	2,008717E+22
-1666	2,300766E+22	2,491569E+22	2,573861E+22	2,573881E+22	2,491602E+22	2,300792E+22	2,008704E+22	1,693630E+22	1,483883E+22	1,483877E+22	1,693615E+22	2,008677E+22
-1665	2,300765E+22	2,491631E+22	2,573979E+22	2,573979E+22	2,491654E+22	2,300811E+22	2,008693E+22	1,693598E+22	1,483849E+22	1,483858E+22	1,693631E+22	2,008752E+22
-1664	2,300861E+22	2,491666E+22	2,573971E+22	2,573966E+22	2,491636E+22	2,300802E+22	2,008694E+22	1,693590E+22	1,483825E+22	1,483830E+22	1,693593E+22	2,008677E+22
-1663	2,300759E+22	2,491549E+22	2,573853E+22	2,573914E+22	2,491639E+22	2,300821E+22	2,008723E+22	1,693618E+22	1,483832E+22	1,483807E+22	1,693557E+22	2,008656E+22
-1662	2,300802E+22	2,491701E+22	2,574022E+22	2,574000E+22	2,491667E+22	2,300819E+22	2,008697E+22	1,693593E+22	1,483828E+22	1,483832E+22	1,693614E+22	2,008726E+22
-1661	2,300809E+22	2,491626E+22	2,573928E+22	2,573910E+22	2,491600E+22	2,300797E+22	2,008711E+22	1,693619E+22	1,483856E+22	1,483849E+22	1,693588E+22	2,008649E+22
-1660	2,300720E+22	2,491540E+22	2,573890E+22	2,573930E+22	2,491626E+22	2,300811E+22	2,008730E+22	1,693644E+22	1,483883E+22	1,483873E+22	1,693617E+22	2,008704E+22
-1659	2,300830E+22	2,491681E+22	2,573993E+22	2,573995E+22	2,491659E+22	2,300800E+22	2,008687E+22	1,693611E+22	1,483883E+22	1,483910E+22	1,693680E+22	2,008750E+22
-1658	2,300798E+22	2,491575E+22	2,573838E+22	2,573847E+22	2,491580E+22	2,300794E+22	2,008721E+22	1,693654E+22	1,483911E+22	1,483908E+22	1,693643E+22	2,008698E+22
-1657	2,300769E+22	2,491607E+22	2,573934E+22	2,573922E+22	2,491603E+22	2,300797E+22	2,008734E+22	1,693684E+22	1,483954E+22	1,483945E+22	1,693676E+22	2,008761E+22
-1656	2,300867E+22	2,491687E+22	2,573986E+22	2,573952E+22	2,491596E+22	2,300771E+22	2,008720E+22	1,693691E+22	1,483981E+22	1,483990E+22	1,693703E+22	2,008717E+22
-1655	2,300752E+22	2,491540E+22	2,573846E+22	2,573888E+22	2,491596E+22	2,300789E+22	2,008748E+22	1,693733E+22	1,484019E+22	1,484003E+22	1,693691E+22	2,008691E+22
-1654	2,300753E+22	2,491629E+22	2,573982E+22	2,573982E+22	2,491652E+22	2,300816E+22	2,008742E+22	1,693718E+22	1,484025E+22	1,484037E+22	1,693762E+22	2,008797E+22
-1653	2,300816E+22	2,491589E+22	2,573892E+22	2,573893E+22	2,491590E+22	2,300800E+22	2,008756E+22	1,693736E+22	1,484039E+22	1,484047E+22	1,693740E+22	2,008728E+22
-1652	2,300732E+22	2,491496E+22	2,573812E+22	2,573859E+22	2,491590E+22	2,300820E+22	2,008795E+22	1,693771E+22	1,484049E+22	1,484029E+22	1,693719E+22	2,008739E+22
-1651	2,300815E+22	2,491658E+22	2,573964E+22	2,573946E+22	2,491619E+22	2,300800E+22	2,008747E+22	1,693730E+22	1,484031E+22	1,484037E+22	1,693756E+22	2,008785E+22
-1650	2,300811E+22	2,491586E+22	2,573855E+22	2,573832E+22	2,491538E+22	2,300767E+22	2,008745E+22	1,693732E+22	1,484021E+22	1,484009E+22	1,693695E+22	2,008698E+22
-1649	2,300736E+22	2,491561E+22	2,573912E+22	2,573920E+22	2,491591E+22	2,300778E+22	2,008734E+22	1,693717E+22	1,484007E+22	1,483996E+22	1,693699E+22	2,008743E+22
-1648	2,300835E+22	2,491669E+22	2,573982E+22	2,573974E+22	2,491629E+22	2,300781E+22	2,008700E+22	1,693661E+22	1,483958E+22	1,483982E+22	1,693717E+22	2,008740E+22
-1647	2,300761E+22	2,491540E+22	2,573836E+22	2,573875E+22	2,491607E+22	2,300804E+22	2,008728E+22	1,693666E+22	1,483925E+22	1,483917E+22	1,693641E+22	2,008688E+22
-1646	2,300757E+22	2,491613E+22	2,573961E+22	2,573965E+22	2,491653E+22	2,300826E+22	2,008727E+22	1,693649E+22	1,483902E+22	1,483898E+22	1,693655E+22	2,008766E+22
-1645	2,300856E+22	2,491645E+22	2,573934E+22	2,573917E+22	2,491600E+22	2,300792E+22	2,008716E+22	1,693647E+22	1,483903E+22	1,483900E+22	1,693628E+22	2,008678E+22
-1644	2,300750E+22	2,491547E+22	2,573847E+22	2,573874E+22	2,491592E+22	2,300803E+22	2,008747E+22	1,693677E+22	1,483915E+22	1,483888E+22	1,693605E+22	2,008658E+22
-1643	2,300766E+22	2,491658E+22	2,574002E+22	2,573990E+22	2,491651E+22	2,300799E+22	2,008702E+22	1,693642E+22	1,483913E+22	1,483922E+22	1,693674E+22	2,008745E+22
-1642	2,300798E+22	2,491597E+22	2,573890E+22	2,573876E+22	2,491574E+22	2,300774E+22	2,008702E+22	1,693645E+22	1,483919E+22	1,483927E+22	1,693654E+22	2,008689E+22
-1641	2,300729E+22	2,491526E+22	2,573867E+22	2,573900E+22	2,491600E+22	2,300790E+22	2,008723E+22	1,693674E+22	1,483946E+22	1,483939E+22	1,693664E+22	2,008730E+22
-1640	2,300835E+22	2,491666E+22	2,573962E+22	2,573953E+22	2,491625E+22	2,300790E+22	2,008710E+22	1,693664E+22	1,483953E+22	1,483974E+22	1,693719E+22	2,008764E+22
-1639	2,300802E+22	2,491576E+22	2,573841E+22	2,573841E+22	2,491560E+22	2,300777E+22	2,008735E+22	1,693707E+22	1,483987E+22	1,483974E+22	1,693672E+22	2,008689E+22
-1638	2,300741E+22	2,491594E+22	2,573947E+22	2,573940E+22	2,491608E+22	2,300795E+22	2,008751E+22	1,693738E+22	1,484031E+22	1,484019E+22	1,693723E+22	2,008767E+22
-1637	2,300835E+22	2,491640E+22	2,573950E+22	2,573937E+22	2,491595E+22	2,300772E+22	2,008734E+22	1,693741E+22	1,484065E+22	1,484080E+22	1,693766E+22	2,008736E+22
-1636	2,300732E+22	2,491506E+22	2,573812E+22	2,573848E+22	2,491578E+22	2,300806E+22	2,008788E+22	1,693787E+22	1,484092E+22	1,484081E+22	1,693749E+22	2,008716E+22
-1635	2,300731E+22	2,491574E+22	2,573937E+22	2,573952E+22	2,491637E+22	2,300823E+22	2,008778E+22	1,693781E+22	1,484102E+22	1,484110E+22	1,693809E+22	2,008820E+22
-1634	2,300830E+22	2,491581E+22	2,573851E+22	2,573838E+22	2,491545E+22	2,300777E+22	2,008766E+22	1,693782E+22	1,484107E+22	1,484113E+22	1,693783E+22	2,008748E+22
-1633	2,300744E+22	2,491507E+22	2,573808E+22	2,573825E+22	2,491544E+22	2,300783E+22	2,008786E+22	1,693810E+22	1,484123E+22	1,484098E+22	1,693754E+22	2,008740E+22

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	2,300801E+22	2,491644E+22	2,573959E+22	2,573931E+22	2,491590E+22	2,300774E+22	2,008749E+22	1,693771E+22	1,484099E+22	1,484109E+22	1,693804E+22	2,008796E+22
-1631	2,300796E+22	2,491562E+22	2,573854E+22	2,573848E+22	2,491540E+22	2,300750E+22	2,008735E+22	1,693753E+22	1,484071E+22	1,484067E+22	1,693738E+22	2,008710E+22
-1630	2,300716E+22	2,491530E+22	2,573899E+22	2,573928E+22	2,491610E+22	2,300794E+22	2,008747E+22	1,693739E+22	1,484041E+22	1,484038E+22	1,693741E+22	2,008773E+22
-1629	2,300836E+22	2,491634E+22	2,573935E+22	2,573935E+22	2,491614E+22	2,300789E+22	2,008723E+22	1,693699E+22	1,484005E+22	1,484028E+22	1,693749E+22	2,008757E+22
-1628	2,300773E+22	2,491542E+22	2,573814E+22	2,573819E+22	2,491565E+22	2,300808E+22	2,008767E+22	1,693719E+22	1,483983E+22	1,483961E+22	1,693660E+22	2,008681E+22
-1627	2,300735E+22	2,491591E+22	2,573953E+22	2,573948E+22	2,491627E+22	2,300816E+22	2,008753E+22	1,693711E+22	1,483982E+22	1,483966E+22	1,693680E+22	2,008750E+22
-1626	2,300839E+22	2,491636E+22	2,573924E+22	2,573898E+22	2,491567E+22	2,300757E+22	2,008708E+22	1,693683E+22	1,483975E+22	1,483979E+22	1,693678E+22	2,008684E+22
-1625	2,300728E+22	2,491522E+22	2,573833E+22	2,573862E+22	2,491576E+22	2,300777E+22	2,008730E+22	1,693705E+22	1,483987E+22	1,483969E+22	1,693663E+22	2,008676E+22
-1624	2,300745E+22	2,491612E+22	2,573962E+22	2,573962E+22	2,491638E+22	2,300800E+22	2,008719E+22	1,693683E+22	1,483978E+22	1,483996E+22	1,693736E+22	2,008783E+22
-1623	2,300805E+22	2,491567E+22	2,573862E+22	2,573860E+22	2,491558E+22	2,300764E+22	2,008715E+22	1,693685E+22	1,483977E+22	1,483985E+22	1,693696E+22	2,008713E+22
-1622	2,300735E+22	2,491518E+22	2,573856E+22	2,573886E+22	2,491589E+22	2,300793E+22	2,008747E+22	1,693722E+22	1,484006E+22	1,483997E+22	1,693704E+22	2,008747E+22
-1621	2,300836E+22	2,491655E+22	2,573942E+22	2,573917E+22	2,491590E+22	2,300775E+22	2,008729E+22	1,693723E+22	1,484038E+22	1,484056E+22	1,693764E+22	2,008766E+22
-1620	2,300788E+22	2,491570E+22	2,573842E+22	2,573817E+22	2,491530E+22	2,300770E+22	2,008762E+22	1,693767E+22	1,484074E+22	1,484061E+22	1,693725E+22	2,008691E+22
-1619	2,300700E+22	2,491540E+22	2,573924E+22	2,573940E+22	2,491613E+22	2,300799E+22	2,008771E+22	1,693795E+22	1,484121E+22	1,484112E+22	1,693781E+22	2,008780E+22
-1618	2,300822E+22	2,491602E+22	2,573901E+22	2,573898E+22	2,491574E+22	2,300767E+22	2,008744E+22	1,693779E+22	1,484135E+22	1,484160E+22	1,693830E+22	2,008772E+22
-1617	2,300740E+22	2,491485E+22	2,573776E+22	2,573804E+22	2,491542E+22	2,300788E+22	2,008797E+22	1,693834E+22	1,484164E+22	1,484148E+22	1,693794E+22	2,008739E+22
-1616	2,300736E+22	2,491554E+22	2,573898E+22	2,573899E+22	2,491591E+22	2,300807E+22	2,008803E+22	1,693841E+22	1,484176E+22	1,484175E+22	1,693848E+22	2,008832E+22
-1615	2,300831E+22	2,491577E+22	2,573856E+22	2,573830E+22	2,491510E+22	2,300745E+22	2,008769E+22	1,693826E+22	1,484174E+22	1,484175E+22	1,693817E+22	2,008747E+22
-1614	2,300728E+22	2,491500E+22	2,573824E+22	2,573844E+22	2,491544E+22	2,300770E+22	2,008786E+22	1,693839E+22	1,484175E+22	1,484159E+22	1,693802E+22	2,008752E+22
-1613	2,300780E+22	2,491611E+22	2,573931E+22	2,573916E+22	2,491585E+22	2,300771E+22	2,008753E+22	1,693799E+22	1,484155E+22	1,484175E+22	1,693854E+22	2,008814E+22
-1612	2,300788E+22	2,491546E+22	2,573838E+22	2,573823E+22	2,491531E+22	2,300770E+22	2,008765E+22	1,693788E+22	1,484118E+22	1,484116E+22	1,693774E+22	2,008725E+22
-1611	2,300704E+22	2,491492E+22	2,573869E+22	2,573913E+22	2,491606E+22	2,300806E+22	2,008780E+22	1,693790E+22	1,484100E+22	1,484086E+22	1,693760E+22	2,008771E+22
-1610	2,300841E+22	2,491628E+22	2,573901E+22	2,573891E+22	2,491580E+22	2,300775E+22	2,008737E+22	1,693741E+22	1,484065E+22	1,484082E+22	1,693776E+22	2,008757E+22
-1609	2,300767E+22	2,491542E+22	2,573814E+22	2,573797E+22	2,491523E+22	2,300774E+22	2,008766E+22	1,693766E+22	1,484058E+22	1,484030E+22	1,693695E+22	2,008674E+22
-1608	2,300704E+22	2,491551E+22	2,573929E+22	2,573929E+22	2,491599E+22	2,300794E+22	2,008762E+22	1,693759E+22	1,484059E+22	1,484048E+22	1,693739E+22	2,008763E+22
-1607	2,300812E+22	2,491591E+22	2,573904E+22	2,573898E+22	2,491559E+22	2,300741E+22	2,008702E+22	1,693709E+22	1,484035E+22	1,484052E+22	1,693740E+22	2,008713E+22
-1606	2,300720E+22	2,491490E+22	2,573807E+22	2,573850E+22	2,491574E+22	2,300782E+22	2,008739E+22	1,693727E+22	1,484028E+22	1,484027E+22	1,693722E+22	2,008718E+22
-1605	2,300760E+22	2,491588E+22	2,573911E+22	2,573908E+22	2,491601E+22	2,300792E+22	2,008737E+22	1,693725E+22	1,484037E+22	1,484056E+22	1,693780E+22	2,008809E+22
-1604	2,300828E+22	2,491583E+22	2,573853E+22	2,573815E+22	2,491517E+22	2,300760E+22	2,008744E+22	1,693740E+22	1,484046E+22	1,484043E+22	1,693725E+22	2,008712E+22
-1603	2,300721E+22	2,491506E+22	2,573860E+22	2,573885E+22	2,491573E+22	2,300784E+22	2,008773E+22	1,693789E+22	1,484095E+22	1,484073E+22	1,693733E+22	2,008732E+22
-1602	2,300818E+22	2,491642E+22	2,573932E+22	2,573909E+22	2,491573E+22	2,300758E+22	2,008735E+22	1,693770E+22	1,484121E+22	1,484143E+22	1,693821E+22	2,008773E+22
-1601	2,300762E+22	2,491541E+22	2,573829E+22	2,573811E+22	2,491522E+22	2,300761E+22	2,008770E+22	1,693816E+22	1,484158E+22	1,484148E+22	1,693786E+22	2,008707E+22
-1600	2,300673E+22	2,491482E+22	2,573872E+22	2,573907E+22	2,491600E+22	2,300812E+22	2,008809E+22	1,693856E+22	1,484201E+22	1,484196E+22	1,693846E+22	2,008811E+22
-1599	2,300816E+22	2,491566E+22	2,573866E+22	2,573872E+22	2,491550E+22	2,300758E+22	2,008766E+22	1,693833E+22	1,484206E+22	1,484227E+22	1,693878E+22	2,008794E+22
-1598	2,300746E+22	2,491477E+22	2,573756E+22	2,573776E+22	2,491516E+22	2,300779E+22	2,008816E+22	1,693883E+22	1,484229E+22	1,484213E+22	1,693841E+22	2,008756E+22
-1597	2,300738E+22	2,491547E+22	2,573877E+22	2,573860E+22	2,491541E+22	2,300776E+22	2,008812E+22	1,693893E+22	1,484257E+22	1,484256E+22	1,693898E+22	2,008842E+22

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	2,300824E+22	2,491576E+22	2,573857E+22	2,573812E+22	2,491481E+22	2,300726E+22	2,008773E+22	1,693864E+22	1,484242E+22	1,484247E+22	1,693866E+22	2,008755E+22
-1595	2,300698E+22	2,491459E+22	2,573808E+22	2,573853E+22	2,491554E+22	2,300772E+22	2,008794E+22	1,693873E+22	1,484236E+22	1,484224E+22	1,693844E+22	2,008765E+22
-1594	2,300779E+22	2,491589E+22	2,573894E+22	2,573887E+22	2,491570E+22	2,300768E+22	2,008759E+22	1,693819E+22	1,484195E+22	1,484225E+22	1,693895E+22	2,008837E+22
-1593	2,300794E+22	2,491536E+22	2,573815E+22	2,573794E+22	2,491503E+22	2,300756E+22	2,008776E+22	1,693827E+22	1,484168E+22	1,484156E+22	1,693795E+22	2,008727E+22
-1592	2,300697E+22	2,491472E+22	2,573837E+22	2,573877E+22	2,491577E+22	2,300802E+22	2,008808E+22	1,693845E+22	1,484166E+22	1,484140E+22	1,693786E+22	2,008764E+22
-1591	2,300819E+22	2,491610E+22	2,573902E+22	2,573891E+22	2,491554E+22	2,300749E+22	2,008741E+22	1,693782E+22	1,484129E+22	1,484141E+22	1,693807E+22	2,008751E+22
-1590	2,300741E+22	2,491518E+22	2,573809E+22	2,573806E+22	2,491523E+22	2,300765E+22	2,008769E+22	1,693795E+22	1,484112E+22	1,484098E+22	1,693752E+22	2,008693E+22
-1589	2,300684E+22	2,491511E+22	2,573883E+22	2,573895E+22	2,491577E+22	2,300786E+22	2,008770E+22	1,693794E+22	1,484121E+22	1,484122E+22	1,693803E+22	2,008796E+22
-1588	2,300814E+22	2,491574E+22	2,573872E+22	2,573857E+22	2,491534E+22	2,300748E+22	2,008728E+22	1,693749E+22	1,484089E+22	1,484109E+22	1,693789E+22	2,008743E+22
-1587	2,300723E+22	2,491467E+22	2,573778E+22	2,573831E+22	2,491562E+22	2,300784E+22	2,008767E+22	1,693781E+22	1,484095E+22	1,484084E+22	1,693750E+22	2,008728E+22
-1586	2,300780E+22	2,491600E+22	2,573890E+22	2,573867E+22	2,491560E+22	2,300770E+22	2,008748E+22	1,693771E+22	1,484108E+22	1,484122E+22	1,693816E+22	2,008813E+22
-1585	2,300824E+22	2,491593E+22	2,573868E+22	2,573809E+22	2,491481E+22	2,300725E+22	2,008749E+22	1,693797E+22	1,484134E+22	1,484122E+22	1,693766E+22	2,008705E+22
-1584	2,300687E+22	2,491468E+22	2,573841E+22	2,573882E+22	2,491563E+22	2,300775E+22	2,008792E+22	1,693851E+22	1,484189E+22	1,484168E+22	1,693798E+22	2,008740E+22
-1583	2,300775E+22	2,491589E+22	2,573910E+22	2,573913E+22	2,491573E+22	2,300755E+22	2,008746E+22	1,693815E+22	1,484196E+22	1,484226E+22	1,693885E+22	2,008800E+22
-1582	2,300748E+22	2,491501E+22	2,573792E+22	2,573794E+22	2,491517E+22	2,300772E+22	2,008797E+22	1,693860E+22	1,484220E+22	1,484222E+22	1,693853E+22	2,008745E+22
-1581	2,300678E+22	2,491450E+22	2,573805E+22	2,573838E+22	2,491550E+22	2,300799E+22	2,008838E+22	1,693917E+22	1,484279E+22	1,484271E+22	1,693900E+22	2,008836E+22
-1580	2,300827E+22	2,491573E+22	2,573846E+22	2,573820E+22	2,491501E+22	2,300745E+22	2,008789E+22	1,693891E+22	1,484284E+22	1,484297E+22	1,693918E+22	2,008801E+22
-1579	2,300733E+22	2,491467E+22	2,573757E+22	2,573774E+22	2,491493E+22	2,300755E+22	2,008823E+22	1,693934E+22	1,484310E+22	1,484288E+22	1,693875E+22	2,008754E+22
-1578	2,300729E+22	2,491537E+22	2,573863E+22	2,573848E+22	2,491520E+22	2,300747E+22	2,008799E+22	1,693918E+22	1,484320E+22	1,484329E+22	1,693952E+22	2,008858E+22
-1577	2,300809E+22	2,491559E+22	2,573852E+22	2,573816E+22	2,491477E+22	2,300712E+22	2,008772E+22	1,693895E+22	1,484297E+22	1,484305E+22	1,693910E+22	2,008772E+22
-1576	2,300680E+22	2,491417E+22	2,573768E+22	2,573835E+22	2,491550E+22	2,300786E+22	2,008826E+22	1,693919E+22	1,484289E+22	1,484276E+22	1,693883E+22	2,008780E+22
-1575	2,300766E+22	2,491562E+22	2,573873E+22	2,573874E+22	2,491557E+22	2,300770E+22	2,008782E+22	1,693862E+22	1,484245E+22	1,484265E+22	1,693917E+22	2,008841E+22
-1574	2,300790E+22	2,491531E+22	2,573803E+22	2,573776E+22	2,491487E+22	2,300756E+22	2,008800E+22	1,693869E+22	1,484221E+22	1,484208E+22	1,693827E+22	2,008726E+22
-1573	2,300680E+22	2,491452E+22	2,573804E+22	2,573837E+22	2,491532E+22	2,300777E+22	2,008822E+22	1,693897E+22	1,484241E+22	1,484214E+22	1,693833E+22	2,008770E+22
-1572	2,300796E+22	2,491589E+22	2,573882E+22	2,573869E+22	2,491534E+22	2,300737E+22	2,008745E+22	1,693820E+22	1,484195E+22	1,484213E+22	1,693862E+22	2,008770E+22
-1571	2,300716E+22	2,491475E+22	2,573777E+22	2,573798E+22	2,491522E+22	2,300761E+22	2,008775E+22	1,693829E+22	1,484173E+22	1,484163E+22	1,693799E+22	2,008722E+22
-1570	2,300699E+22	2,491497E+22	2,573840E+22	2,573850E+22	2,491542E+22	2,300767E+22	2,008772E+22	1,693819E+22	1,484168E+22	1,484177E+22	1,693852E+22	2,008831E+22
-1569	2,300835E+22	2,491584E+22	2,573861E+22	2,573828E+22	2,491493E+22	2,300718E+22	2,008736E+22	1,693795E+22	1,484149E+22	1,484157E+22	1,693815E+22	2,008750E+22
-1568	2,300721E+22	2,491464E+22	2,573767E+22	2,573811E+22	2,491534E+22	2,300774E+22	2,008792E+22	1,693841E+22	1,484172E+22	1,484150E+22	1,693782E+22	2,008720E+22
-1567	2,300750E+22	2,491588E+22	2,573908E+22	2,573884E+22	2,491548E+22	2,300752E+22	2,008756E+22	1,693820E+22	1,484184E+22	1,484194E+22	1,693855E+22	2,008806E+22
-1566	2,300791E+22	2,491564E+22	2,573862E+22	2,573828E+22	2,491498E+22	2,300732E+22	2,008764E+22	1,693838E+22	1,484204E+22	1,484206E+22	1,693831E+22	2,008720E+22
-1565	2,300656E+22	2,491418E+22	2,573785E+22	2,573847E+22	2,491550E+22	2,300782E+22	2,008821E+22	1,693909E+22	1,484273E+22	1,484259E+22	1,693871E+22	2,008775E+22
-1564	2,300764E+22	2,491552E+22	2,573858E+22	2,573866E+22	2,491551E+22	2,300765E+22	2,008781E+22	1,693875E+22	1,484274E+22	1,484301E+22	1,693942E+22	2,008831E+22
-1563	2,300744E+22	2,491468E+22	2,573747E+22	2,573757E+22	2,491493E+22	2,300767E+22	2,008828E+22	1,693928E+22	1,484306E+22	1,484296E+22	1,693893E+22	2,008764E+22
-1562	2,300698E+22	2,491457E+22	2,573777E+22	2,573782E+22	2,491488E+22	2,300760E+22	2,008840E+22	1,693966E+22	1,484359E+22	1,484350E+22	1,693951E+22	2,008852E+22
-1561	2,300824E+22	2,491581E+22	2,573855E+22	2,573805E+22	2,491452E+22	2,300693E+22	2,008783E+22	1,693941E+22	1,484365E+22	1,484374E+22	1,693965E+22	2,008808E+22

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	2,300708E+22	2,491438E+22	2,573741E+22	2,573773E+22	2,491488E+22	2,300743E+22	2,008827E+22	1,693975E+22	1,484382E+22	1,484367E+22	1,693934E+22	2,008771E+22
-1559	2,300702E+22	2,491503E+22	2,573852E+22	2,573854E+22	2,491524E+22	2,300745E+22	2,008800E+22	1,693940E+22	1,484366E+22	1,484382E+22	1,693995E+22	2,008882E+22
-1558	2,300807E+22	2,491536E+22	2,573826E+22	2,573808E+22	2,491484E+22	2,300728E+22	2,008795E+22	1,693922E+22	1,484333E+22	1,484348E+22	1,693947E+22	2,008790E+22
-1557	2,300682E+22	2,491399E+22	2,573720E+22	2,573782E+22	2,491515E+22	2,300782E+22	2,008858E+22	1,693975E+22	1,484352E+22	1,484327E+22	1,693910E+22	2,008784E+22
-1556	2,300756E+22	2,491559E+22	2,573856E+22	2,573837E+22	2,491526E+22	2,300764E+22	2,008807E+22	1,693917E+22	1,484314E+22	1,484319E+22	1,693938E+22	2,008830E+22
-1555	2,300759E+22	2,491507E+22	2,573796E+22	2,573776E+22	2,491475E+22	2,300742E+22	2,008813E+22	1,693921E+22	1,484297E+22	1,484277E+22	1,693858E+22	2,008725E+22
-1554	2,300666E+22	2,491432E+22	2,573774E+22	2,573808E+22	2,491505E+22	2,300750E+22	2,008812E+22	1,693923E+22	1,484301E+22	1,484288E+22	1,693893E+22	2,008796E+22
-1553	2,300785E+22	2,491571E+22	2,573865E+22	2,573852E+22	2,491511E+22	2,300714E+22	2,008746E+22	1,693854E+22	1,484251E+22	1,484272E+22	1,693911E+22	2,008800E+22
-1552	2,300714E+22	2,491446E+22	2,573740E+22	2,573774E+22	2,491509E+22	2,300761E+22	2,008796E+22	1,693871E+22	1,484231E+22	1,484220E+22	1,693843E+22	2,008745E+22
-1551	2,300698E+22	2,491489E+22	2,573833E+22	2,573838E+22	2,491524E+22	2,300754E+22	2,008781E+22	1,693858E+22	1,484223E+22	1,484225E+22	1,693877E+22	2,008840E+22
-1550	2,300838E+22	2,491593E+22	2,573869E+22	2,573827E+22	2,491484E+22	2,300714E+22	2,008754E+22	1,693836E+22	1,484210E+22	1,484221E+22	1,693854E+22	2,008749E+22
-1549	2,300699E+22	2,491445E+22	2,573747E+22	2,573788E+22	2,491504E+22	2,300755E+22	2,008811E+22	1,693902E+22	1,484261E+22	1,484238E+22	1,693838E+22	2,008725E+22
-1548	2,300711E+22	2,491550E+22	2,573880E+22	2,573872E+22	2,491550E+22	2,300757E+22	2,008774E+22	1,693872E+22	1,484267E+22	1,484280E+22	1,693915E+22	2,008823E+22
-1547	2,300758E+22	2,491510E+22	2,573817E+22	2,573811E+22	2,491502E+22	2,300744E+22	2,008789E+22	1,693892E+22	1,484285E+22	1,484288E+22	1,693887E+22	2,008752E+22
-1546	2,300666E+22	2,491389E+22	2,573718E+22	2,573776E+22	2,491502E+22	2,300765E+22	2,008837E+22	1,693955E+22	1,484344E+22	1,484335E+22	1,693931E+22	2,008814E+22
-1545	2,300779E+22	2,491551E+22	2,573832E+22	2,573818E+22	2,491494E+22	2,300726E+22	2,008795E+22	1,693937E+22	1,484354E+22	1,484367E+22	1,693981E+22	2,008848E+22
-1544	2,300745E+22	2,491462E+22	2,573732E+22	2,573728E+22	2,491451E+22	2,300739E+22	2,008840E+22	1,693988E+22	1,484393E+22	1,484376E+22	1,693938E+22	2,008768E+22
-1543	2,300675E+22	2,491450E+22	2,573796E+22	2,573793E+22	2,491468E+22	2,300726E+22	2,008831E+22	1,694002E+22	1,484429E+22	1,484422E+22	1,693996E+22	2,008859E+22
-1542	2,300806E+22	2,491565E+22	2,573858E+22	2,573824E+22	2,491468E+22	2,300696E+22	2,008787E+22	1,693963E+22	1,484418E+22	1,484445E+22	1,694022E+22	2,008823E+22
-1541	2,300687E+22	2,491403E+22	2,573703E+22	2,573746E+22	2,491481E+22	2,300754E+22	2,008854E+22	1,694020E+22	1,484446E+22	1,484434E+22	1,693985E+22	2,008794E+22
-1540	2,300691E+22	2,491474E+22	2,573814E+22	2,573826E+22	2,491524E+22	2,300767E+22	2,008835E+22	1,693992E+22	1,484426E+22	1,484432E+22	1,694022E+22	2,008891E+22
-1539	2,300798E+22	2,491511E+22	2,573793E+22	2,573783E+22	2,491477E+22	2,300739E+22	2,008830E+22	1,693984E+22	1,484406E+22	1,484402E+22	1,693964E+22	2,008790E+22
-1538	2,300686E+22	2,491398E+22	2,573691E+22	2,573728E+22	2,491462E+22	2,300752E+22	2,008866E+22	1,694023E+22	1,484425E+22	1,484397E+22	1,693952E+22	2,008790E+22
-1537	2,300736E+22	2,491545E+22	2,573855E+22	2,573822E+22	2,491483E+22	2,300716E+22	2,008803E+22	1,693966E+22	1,484387E+22	1,484390E+22	1,693984E+22	2,008838E+22
-1536	2,300728E+22	2,491464E+22	2,573768E+22	2,573765E+22	2,491466E+22	2,300728E+22	2,008812E+22	1,693955E+22	1,484364E+22	1,484355E+22	1,693921E+22	2,008753E+22
-1535	2,300648E+22	2,491402E+22	2,573760E+22	2,573797E+22	2,491493E+22	2,300736E+22	2,008804E+22	1,693936E+22	1,484341E+22	1,484340E+22	1,693940E+22	2,008833E+22
-1534	2,300799E+22	2,491560E+22	2,573843E+22	2,573832E+22	2,491502E+22	2,300716E+22	2,008757E+22	1,693872E+22	1,484285E+22	1,484317E+22	1,693948E+22	2,008821E+22
-1533	2,300726E+22	2,491446E+22	2,573713E+22	2,573729E+22	2,491474E+22	2,300751E+22	2,008817E+22	1,693921E+22	1,484293E+22	1,484274E+22	1,693871E+22	2,008751E+22
-1532	2,300693E+22	2,491492E+22	2,573829E+22	2,573821E+22	2,491508E+22	2,300748E+22	2,008797E+22	1,693908E+22	1,484293E+22	1,484282E+22	1,693897E+22	2,008826E+22
-1531	2,300804E+22	2,491564E+22	2,573862E+22	2,573839E+22	2,491493E+22	2,300714E+22	2,008772E+22	1,693892E+22	1,484292E+22	1,484295E+22	1,693888E+22	2,008749E+22
-1530	2,300678E+22	2,491413E+22	2,573712E+22	2,573757E+22	2,491486E+22	2,300744E+22	2,008819E+22	1,693945E+22	1,484338E+22	1,484325E+22	1,693906E+22	2,008753E+22
-1529	2,300689E+22	2,491509E+22	2,573847E+22	2,573841E+22	2,491520E+22	2,300743E+22	2,008797E+22	1,693931E+22	1,484343E+22	1,484355E+22	1,693971E+22	2,008853E+22
-1528	2,300749E+22	2,491468E+22	2,573765E+22	2,573767E+22	2,491478E+22	2,300744E+22	2,008821E+22	1,693957E+22	1,484369E+22	1,484370E+22	1,693944E+22	2,008780E+22
-1527	2,300666E+22	2,491383E+22	2,573704E+22	2,573737E+22	2,491459E+22	2,300738E+22	2,008844E+22	1,694004E+22	1,484419E+22	1,484404E+22	1,693973E+22	2,008831E+22
-1526	2,300787E+22	2,491559E+22	2,573836E+22	2,573801E+22	2,491463E+22	2,300703E+22	2,008801E+22	1,693978E+22	1,484428E+22	1,484449E+22	1,694031E+22	2,008854E+22
-1525	2,300730E+22	2,491448E+22	2,573722E+22	2,573711E+22	2,491421E+22	2,300709E+22	2,008845E+22	1,694040E+22	1,484480E+22	1,484466E+22	1,693999E+22	2,008784E+22

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	2,300651E+22	2,491418E+22	2,573776E+22	2,573793E+22	2,491481E+22	2,300730E+22	2,008837E+22	1,694039E+22	1,484498E+22	1,484496E+22	1,694047E+22	2,008876E+22
-1523	2,300785E+22	2,491523E+22	2,573826E+22	2,573819E+22	2,491485E+22	2,300719E+22	2,008816E+22	1,694010E+22	1,484483E+22	1,484506E+22	1,694060E+22	2,008847E+22
-1522	2,300697E+22	2,491383E+22	2,573657E+22	2,573691E+22	2,491445E+22	2,300748E+22	2,008877E+22	1,694066E+22	1,484507E+22	1,484494E+22	1,694027E+22	2,008813E+22
-1521	2,300690E+22	2,491465E+22	2,573798E+22	2,573789E+22	2,491477E+22	2,300742E+22	2,008860E+22	1,694056E+22	1,484498E+22	1,484487E+22	1,694045E+22	2,008886E+22
-1520	2,300779E+22	2,491491E+22	2,573778E+22	2,573762E+22	2,491449E+22	2,300722E+22	2,008846E+22	1,694040E+22	1,484487E+22	1,484478E+22	1,694004E+22	2,008785E+22
-1519	2,300653E+22	2,491376E+22	2,573695E+22	2,573725E+22	2,491442E+22	2,300723E+22	2,008854E+22	1,694049E+22	1,484484E+22	1,484464E+22	1,694000E+22	2,008806E+22
-1518	2,300724E+22	2,491521E+22	2,573842E+22	2,573821E+22	2,491488E+22	2,300715E+22	2,008800E+22	1,693977E+22	1,484431E+22	1,484456E+22	1,694042E+22	2,008867E+22
-1517	2,300724E+22	2,491432E+22	2,573728E+22	2,573727E+22	2,491442E+22	2,300723E+22	2,008827E+22	1,693988E+22	1,484414E+22	1,484412E+22	1,693971E+22	2,008787E+22
-1516	2,300655E+22	2,491383E+22	2,573727E+22	2,573771E+22	2,491488E+22	2,300743E+22	2,008822E+22	1,693972E+22	1,484387E+22	1,484380E+22	1,693963E+22	2,008844E+22
-1515	2,300805E+22	2,491556E+22	2,573831E+22	2,573814E+22	2,491494E+22	2,300721E+22	2,008783E+22	1,693923E+22	1,484347E+22	1,484363E+22	1,693960E+22	2,008818E+22
-1514	2,300730E+22	2,491450E+22	2,573703E+22	2,573689E+22	2,491428E+22	2,300724E+22	2,008826E+22	1,693967E+22	1,484365E+22	1,484345E+22	1,693911E+22	2,008750E+22
-1513	2,300666E+22	2,491469E+22	2,573829E+22	2,573818E+22	2,491482E+22	2,300719E+22	2,008807E+22	1,693965E+22	1,484373E+22	1,484359E+22	1,693941E+22	2,008825E+22
-1512	2,300766E+22	2,491511E+22	2,573826E+22	2,573825E+22	2,491494E+22	2,300717E+22	2,008787E+22	1,693941E+22	1,484374E+22	1,484384E+22	1,693954E+22	2,008772E+22
-1511	2,300654E+22	2,491374E+22	2,573684E+22	2,573725E+22	2,491463E+22	2,300736E+22	2,008828E+22	1,693982E+22	1,484400E+22	1,484395E+22	1,693963E+22	2,008791E+22
-1510	2,300703E+22	2,491489E+22	2,573813E+22	2,573802E+22	2,491494E+22	2,300738E+22	2,008815E+22	1,693971E+22	1,484406E+22	1,484426E+22	1,694022E+22	2,008874E+22
-1509	2,300757E+22	2,491460E+22	2,573734E+22	2,573712E+22	2,491423E+22	2,300717E+22	2,008842E+22	1,694020E+22	1,484456E+22	1,484450E+22	1,693993E+22	2,008794E+22
-1508	2,300661E+22	2,491379E+22	2,573701E+22	2,573726E+22	2,491440E+22	2,300718E+22	2,008849E+22	1,694054E+22	1,484501E+22	1,484482E+22	1,694013E+22	2,008830E+22
-1507	2,300764E+22	2,491536E+22	2,573835E+22	2,573813E+22	2,491472E+22	2,300702E+22	2,008812E+22	1,694028E+22	1,484510E+22	1,484529E+22	1,694078E+22	2,008866E+22
-1506	2,300719E+22	2,491423E+22	2,573698E+22	2,573687E+22	2,491408E+22	2,300705E+22	2,008853E+22	1,694078E+22	1,484550E+22	1,484549E+22	1,694065E+22	2,008814E+22
-1505	2,300639E+22	2,491385E+22	2,573753E+22	2,573775E+22	2,491463E+22	2,300728E+22	2,008867E+22	1,694097E+22	1,484565E+22	1,484559E+22	1,694089E+22	2,008892E+22
-1504	2,300774E+22	2,491484E+22	2,573782E+22	2,573788E+22	2,491476E+22	2,300732E+22	2,008854E+22	1,694074E+22	1,484559E+22	1,484576E+22	1,694103E+22	2,008858E+22
-1503	2,300687E+22	2,491376E+22	2,573648E+22	2,573656E+22	2,491408E+22	2,300732E+22	2,008893E+22	1,694114E+22	1,484574E+22	1,484556E+22	1,694062E+22	2,008822E+22
-1502	2,300685E+22	2,491454E+22	2,573791E+22	2,573769E+22	2,491446E+22	2,300722E+22	2,008866E+22	1,694092E+22	1,484564E+22	1,484563E+22	1,694091E+22	2,008885E+22
-1501	2,300753E+22	2,491459E+22	2,573753E+22	2,573736E+22	2,491418E+22	2,300695E+22	2,008847E+22	1,694081E+22	1,484560E+22	1,484560E+22	1,694067E+22	2,008809E+22
-1500	2,300638E+22	2,491341E+22	2,573663E+22	2,573711E+22	2,491443E+22	2,300717E+22	2,008846E+22	1,694067E+22	1,484532E+22	1,484522E+22	1,694045E+22	2,008831E+22
-1499	2,300723E+22	2,491490E+22	2,573806E+22	2,573799E+22	2,491485E+22	2,300724E+22	2,008816E+22	1,694006E+22	1,484473E+22	1,484496E+22	1,694071E+22	2,008894E+22
-1498	2,300751E+22	2,491432E+22	2,573698E+22	2,573677E+22	2,491399E+22	2,300704E+22	2,008835E+22	1,694020E+22	1,484459E+22	1,484455E+22	1,694001E+22	2,008802E+22
-1497	2,300665E+22	2,491391E+22	2,573732E+22	2,573748E+22	2,491442E+22	2,300715E+22	2,008840E+22	1,694025E+22	1,484446E+22	1,484423E+22	1,693973E+22	2,008825E+22
-1496	2,300781E+22	2,491540E+22	2,573831E+22	2,573813E+22	2,491483E+22	2,300715E+22	2,008801E+22	1,693976E+22	1,484424E+22	1,484435E+22	1,693994E+22	2,008802E+22
-1495	2,300689E+22	2,491429E+22	2,573712E+22	2,573693E+22	2,491420E+22	2,300711E+22	2,008825E+22	1,694001E+22	1,484430E+22	1,484418E+22	1,693961E+22	2,008760E+22
-1494	2,300641E+22	2,491426E+22	2,573804E+22	2,573810E+22	2,491487E+22	2,300730E+22	2,008821E+22	1,693995E+22	1,484437E+22	1,484440E+22	1,694003E+22	2,008843E+22
-1493	2,300747E+22	2,491462E+22	2,573774E+22	2,573781E+22	2,491467E+22	2,300718E+22	2,008818E+22	1,693998E+22	1,484452E+22	1,484466E+22	1,694019E+22	2,008809E+22
-1492	2,300659E+22	2,491344E+22	2,573636E+22	2,573688E+22	2,491446E+22	2,300732E+22	2,008848E+22	1,694036E+22	1,484475E+22	1,484464E+22	1,694005E+22	2,008810E+22
-1491	2,300712E+22	2,491482E+22	2,573791E+22	2,573770E+22	2,491466E+22	2,300731E+22	2,008841E+22	1,694034E+22	1,484492E+22	1,484499E+22	1,694060E+22	2,008888E+22
-1490	2,300765E+22	2,491462E+22	2,573726E+22	2,573676E+22	2,491368E+22	2,300676E+22	2,008842E+22	1,694070E+22	1,484542E+22	1,484542E+22	1,694057E+22	2,008810E+22
-1489	2,300644E+22	2,491361E+22	2,573704E+22	2,573727E+22	2,491415E+22	2,300690E+22	2,008856E+22	1,694106E+22	1,484582E+22	1,484566E+22	1,694070E+22	2,008843E+22

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	2,300738E+22	2,491492E+22	2,573805E+22	2,573806E+22	2,491481E+22	2,300715E+22	2,008832E+22	1,694074E+22	1,484587E+22	1,484615E+22	1,694142E+22	2,008889E+22
-1487	2,300703E+22	2,491395E+22	2,573675E+22	2,573661E+22	2,491392E+22	2,300707E+22	2,008871E+22	1,694115E+22	1,484607E+22	1,484609E+22	1,694112E+22	2,008843E+22
-1486	2,300652E+22	2,491370E+22	2,573724E+22	2,573746E+22	2,491445E+22	2,300732E+22	2,008893E+22	1,694141E+22	1,484628E+22	1,484622E+22	1,694124E+22	2,008894E+22
-1485	2,300767E+22	2,491471E+22	2,573754E+22	2,573741E+22	2,491427E+22	2,300712E+22	2,008879E+22	1,694138E+22	1,484641E+22	1,484647E+22	1,694141E+22	2,008860E+22
-1484	2,300669E+22	2,491353E+22	2,573633E+22	2,573646E+22	2,491391E+22	2,300711E+22	2,008896E+22	1,694159E+22	1,484646E+22	1,484624E+22	1,694099E+22	2,008819E+22
-1483	2,300660E+22	2,491424E+22	2,573774E+22	2,573767E+22	2,491445E+22	2,300718E+22	2,008874E+22	1,694129E+22	1,484628E+22	1,484627E+22	1,694136E+22	2,008903E+22
-1482	2,300747E+22	2,491432E+22	2,573718E+22	2,573699E+22	2,491386E+22	2,300678E+22	2,008847E+22	1,694105E+22	1,484610E+22	1,484624E+22	1,694126E+22	2,008843E+22
-1481	2,300641E+22	2,491321E+22	2,573642E+22	2,573690E+22	2,491414E+22	2,300705E+22	2,008866E+22	1,694105E+22	1,484576E+22	1,484564E+22	1,694075E+22	2,008846E+22
-1480	2,300729E+22	2,491475E+22	2,573778E+22	2,573775E+22	2,491472E+22	2,300728E+22	2,008839E+22	1,694052E+22	1,484531E+22	1,484547E+22	1,694097E+22	2,008893E+22
-1479	2,300745E+22	2,491444E+22	2,573710E+22	2,573658E+22	2,491366E+22	2,300685E+22	2,008842E+22	1,694055E+22	1,484512E+22	1,484503E+22	1,694025E+22	2,008799E+22
-1478	2,300654E+22	2,491384E+22	2,573740E+22	2,573753E+22	2,491429E+22	2,300701E+22	2,008845E+22	1,694060E+22	1,484512E+22	1,484495E+22	1,694012E+22	2,008810E+22
-1477	2,300737E+22	2,491496E+22	2,573806E+22	2,573802E+22	2,491470E+22	2,300704E+22	2,008814E+22	1,694026E+22	1,484503E+22	1,484519E+22	1,694057E+22	2,008820E+22
-1476	2,300661E+22	2,491374E+22	2,573666E+22	2,573682E+22	2,491428E+22	2,300718E+22	2,008838E+22	1,694037E+22	1,484494E+22	1,484490E+22	1,694018E+22	2,008789E+22
-1475	2,300637E+22	2,491386E+22	2,573749E+22	2,573772E+22	2,491474E+22	2,300743E+22	2,008854E+22	1,694047E+22	1,484502E+22	1,484502E+22	1,694051E+22	2,008878E+22
-1474	2,300767E+22	2,491452E+22	2,573729E+22	2,573713E+22	2,491406E+22	2,300692E+22	2,008833E+22	1,694051E+22	1,484525E+22	1,484539E+22	1,694074E+22	2,008837E+22
-1473	2,300673E+22	2,491351E+22	2,573634E+22	2,573657E+22	2,491387E+22	2,300694E+22	2,008863E+22	1,694096E+22	1,484554E+22	1,484534E+22	1,694042E+22	2,008811E+22
-1472	2,300698E+22	2,491469E+22	2,573787E+22	2,573768E+22	2,491448E+22	2,300712E+22	2,008850E+22	1,694089E+22	1,484581E+22	1,484589E+22	1,694116E+22	2,008889E+22
-1471	2,300738E+22	2,491452E+22	2,573738E+22	2,573683E+22	2,491360E+22	2,300661E+22	2,008839E+22	1,694102E+22	1,484609E+22	1,484620E+22	1,694118E+22	2,008834E+22
-1470	2,300634E+22	2,491332E+22	2,573686E+22	2,573723E+22	2,491418E+22	2,300701E+22	2,008872E+22	1,694140E+22	1,484646E+22	1,484644E+22	1,694125E+22	2,008856E+22
-1469	2,300717E+22	2,491450E+22	2,573761E+22	2,573771E+22	2,491462E+22	2,300725E+22	2,008873E+22	1,694139E+22	1,484664E+22	1,484688E+22	1,694195E+22	2,008913E+22
-1468	2,300702E+22	2,491368E+22	2,573633E+22	2,573634E+22	2,491381E+22	2,300710E+22	2,008900E+22	1,694174E+22	1,484682E+22	1,484672E+22	1,694142E+22	2,008845E+22
-1467	2,300645E+22	2,491353E+22	2,573694E+22	2,573711E+22	2,491416E+22	2,300728E+22	2,008925E+22	1,694207E+22	1,484711E+22	1,484690E+22	1,694159E+22	2,008897E+22
-1466	2,300752E+22	2,491454E+22	2,573734E+22	2,573705E+22	2,491374E+22	2,300669E+22	2,008877E+22	1,694185E+22	1,484722E+22	1,484733E+22	1,694204E+22	2,008879E+22
-1465	2,300649E+22	2,491326E+22	2,573619E+22	2,573635E+22	2,491357E+22	2,300677E+22	2,008894E+22	1,694196E+22	1,484711E+22	1,484695E+22	1,694153E+22	2,008839E+22
-1464	2,300644E+22	2,491385E+22	2,573737E+22	2,573748E+22	2,491438E+22	2,300718E+22	2,008882E+22	1,694159E+22	1,484683E+22	1,484694E+22	1,694192E+22	2,008928E+22
-1463	2,300747E+22	2,491428E+22	2,573705E+22	2,573672E+22	2,491358E+22	2,300664E+22	2,008849E+22	1,694123E+22	1,484643E+22	1,484662E+22	1,694160E+22	2,008870E+22
-1462	2,300661E+22	2,491329E+22	2,573634E+22	2,573672E+22	2,491395E+22	2,300698E+22	2,008874E+22	1,694133E+22	1,484621E+22	1,484607E+22	1,694092E+22	2,008836E+22
-1461	2,300714E+22	2,491471E+22	2,573771E+22	2,573756E+22	2,491444E+22	2,300715E+22	2,008860E+22	1,694104E+22	1,484599E+22	1,484604E+22	1,694124E+22	2,008885E+22
-1460	2,300717E+22	2,491418E+22	2,573702E+22	2,573676E+22	2,491376E+22	2,300679E+22	2,008849E+22	1,694095E+22	1,484577E+22	1,484564E+22	1,694055E+22	2,008791E+22
-1459	2,300622E+22	2,491345E+22	2,573710E+22	2,573753E+22	2,491443E+22	2,300718E+22	2,008870E+22	1,694106E+22	1,484579E+22	1,484561E+22	1,694062E+22	2,008829E+22
-1458	2,300716E+22	2,491453E+22	2,573756E+22	2,573760E+22	2,491441E+22	2,300697E+22	2,008832E+22	1,694069E+22	1,484569E+22	1,484594E+22	1,694125E+22	2,008861E+22
-1457	2,300662E+22	2,491343E+22	2,573626E+22	2,573644E+22	2,491387E+22	2,300706E+22	2,008869E+22	1,694094E+22	1,484561E+22	1,484553E+22	1,694065E+22	2,008815E+22
-1456	2,300646E+22	2,491373E+22	2,573710E+22	2,573728E+22	2,491439E+22	2,300734E+22	2,008880E+22	1,694108E+22	1,484584E+22	1,484579E+22	1,694099E+22	2,008889E+22
-1455	2,300768E+22	2,491471E+22	2,573733E+22	2,573679E+22	2,491353E+22	2,300654E+22	2,008834E+22	1,694093E+22	1,484597E+22	1,484611E+22	1,694121E+22	2,008852E+22
-1454	2,300671E+22	2,491353E+22	2,573645E+22	2,573663E+22	2,491368E+22	2,300667E+22	2,008856E+22	1,694131E+22	1,484632E+22	1,484621E+22	1,694094E+22	2,008811E+22
-1453	2,300667E+22	2,491436E+22	2,573766E+22	2,573762E+22	2,491439E+22	2,300701E+22	2,008858E+22	1,694136E+22	1,484661E+22	1,484676E+22	1,694182E+22	2,008915E+22

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	2,300717E+22	2,491403E+22	2,573697E+22	2,573683E+22	2,491375E+22	2,300672E+22	2,008856E+22	1,694142E+22	1,484673E+22	1,484687E+22	1,694166E+22	2,008856E+22
-1451	2,300631E+22	2,491302E+22	2,573641E+22	2,573694E+22	2,491413E+22	2,300722E+22	2,008917E+22	1,694203E+22	1,484716E+22	1,484702E+22	1,694165E+22	2,008876E+22
-1450	2,300714E+22	2,491433E+22	2,573721E+22	2,573713E+22	2,491406E+22	2,300703E+22	2,008899E+22	1,694204E+22	1,484747E+22	1,484762E+22	1,694240E+22	2,008925E+22
-1449	2,300694E+22	2,491359E+22	2,573624E+22	2,573605E+22	2,491327E+22	2,300680E+22	2,008924E+22	1,694240E+22	1,484767E+22	1,484748E+22	1,694180E+22	2,008841E+22
-1448	2,300619E+22	2,491327E+22	2,573672E+22	2,573698E+22	2,491397E+22	2,300709E+22	2,008932E+22	1,694258E+22	1,484797E+22	1,484780E+22	1,694217E+22	2,008900E+22
-1447	2,300723E+22	2,491437E+22	2,573723E+22	2,573691E+22	2,491355E+22	2,300648E+22	2,008867E+22	1,694206E+22	1,484776E+22	1,484801E+22	1,694265E+22	2,008914E+22
-1446	2,300650E+22	2,491307E+22	2,573600E+22	2,573627E+22	2,491353E+22	2,300673E+22	2,008892E+22	1,694214E+22	1,484757E+22	1,484754E+22	1,694198E+22	2,008861E+22
-1445	2,300640E+22	2,491361E+22	2,573702E+22	2,573720E+22	2,491419E+22	2,300714E+22	2,008904E+22	1,694203E+22	1,484737E+22	1,484743E+22	1,694229E+22	2,008953E+22
-1444	2,300755E+22	2,491416E+22	2,573682E+22	2,573665E+22	2,491358E+22	2,300664E+22	2,008866E+22	1,694163E+22	1,484694E+22	1,484702E+22	1,694174E+22	2,008866E+22
-1443	2,300657E+22	2,491330E+22	2,573627E+22	2,573660E+22	2,491382E+22	2,300701E+22	2,008904E+22	1,694186E+22	1,484684E+22	1,484657E+22	1,694116E+22	2,008829E+22
-1442	2,300682E+22	2,491447E+22	2,573756E+22	2,573737E+22	2,491412E+22	2,300689E+22	2,008867E+22	1,694151E+22	1,484672E+22	1,484680E+22	1,694177E+22	2,008896E+22
-1441	2,300689E+22	2,491381E+22	2,573677E+22	2,573663E+22	2,491358E+22	2,300669E+22	2,008864E+22	1,694138E+22	1,484643E+22	1,484635E+22	1,694108E+22	2,008810E+22
-1440	2,300603E+22	2,491298E+22	2,573651E+22	2,573716E+22	2,491432E+22	2,300725E+22	2,008892E+22	1,694151E+22	1,484646E+22	1,484635E+22	1,694121E+22	2,008858E+22
-1439	2,300718E+22	2,491446E+22	2,573725E+22	2,573712E+22	2,491397E+22	2,300676E+22	2,008841E+22	1,694105E+22	1,484622E+22	1,484649E+22	1,694172E+22	2,008899E+22
-1438	2,300687E+22	2,491355E+22	2,573615E+22	2,573611E+22	2,491344E+22	2,300674E+22	2,008867E+22	1,694133E+22	1,484629E+22	1,484617E+22	1,694096E+22	2,008814E+22
-1437	2,300634E+22	2,491372E+22	2,573707E+22	2,573707E+22	2,491397E+22	2,300700E+22	2,008888E+22	1,694163E+22	1,484667E+22	1,484656E+22	1,694145E+22	2,008895E+22
-1436	2,300747E+22	2,491450E+22	2,573732E+22	2,573704E+22	2,491361E+22	2,300638E+22	2,008831E+22	1,694131E+22	1,484669E+22	1,484685E+22	1,694164E+22	2,008854E+22
-1435	2,300645E+22	2,491325E+22	2,573625E+22	2,573666E+22	2,491384E+22	2,300685E+22	2,008882E+22	1,694180E+22	1,484702E+22	1,484692E+22	1,694149E+22	2,008832E+22
-1434	2,300641E+22	2,491392E+22	2,573725E+22	2,573731E+22	2,491421E+22	2,300703E+22	2,008887E+22	1,694191E+22	1,484738E+22	1,484755E+22	1,694243E+22	2,008947E+22
-1433	2,300714E+22	2,491372E+22	2,573657E+22	2,573649E+22	2,491348E+22	2,300673E+22	2,008899E+22	1,694212E+22	1,484754E+22	1,484758E+22	1,694207E+22	2,008870E+22
-1432	2,300625E+22	2,491281E+22	2,573595E+22	2,573648E+22	2,491384E+22	2,300721E+22	2,008953E+22	1,694278E+22	1,484812E+22	1,484789E+22	1,694214E+22	2,008878E+22
-1431	2,300696E+22	2,491433E+22	2,573714E+22	2,573677E+22	2,491353E+22	2,300665E+22	2,008903E+22	1,694254E+22	1,484828E+22	1,484844E+22	1,694295E+22	2,008943E+22
-1430	2,300681E+22	2,491344E+22	2,573618E+22	2,573599E+22	2,491303E+22	2,300644E+22	2,008908E+22	1,694275E+22	1,484847E+22	1,484837E+22	1,694240E+22	2,008854E+22
-1429	2,300591E+22	2,491289E+22	2,573641E+22	2,573677E+22	2,491381E+22	2,300693E+22	2,008932E+22	1,694293E+22	1,484865E+22	1,484860E+22	1,694285E+22	2,008940E+22
-1428	2,300720E+22	2,491400E+22	2,573685E+22	2,573682E+22	2,491361E+22	2,300650E+22	2,008873E+22	1,694229E+22	1,484819E+22	1,484849E+22	1,694302E+22	2,008942E+22
-1427	2,300666E+22	2,491303E+22	2,573573E+22	2,573602E+22	2,491345E+22	2,300687E+22	2,008924E+22	1,694256E+22	1,484801E+22	1,484786E+22	1,694220E+22	2,008877E+22
-1426	2,300644E+22	2,491363E+22	2,573686E+22	2,573681E+22	2,491376E+22	2,300693E+22	2,008920E+22	1,694251E+22	1,484798E+22	1,484791E+22	1,694251E+22	2,008954E+22
-1425	2,300744E+22	2,491412E+22	2,573687E+22	2,573658E+22	2,491331E+22	2,300649E+22	2,008888E+22	1,694215E+22	1,484761E+22	1,484757E+22	1,694194E+22	2,008850E+22
-1424	2,300624E+22	2,491303E+22	2,573610E+22	2,573658E+22	2,491383E+22	2,300701E+22	2,008920E+22	1,694235E+22	1,484760E+22	1,484735E+22	1,694164E+22	2,008825E+22
-1423	2,300642E+22	2,491418E+22	2,573733E+22	2,573714E+22	2,491396E+22	2,300679E+22	2,008869E+22	1,694178E+22	1,484726E+22	1,484744E+22	1,694231E+22	2,008925E+22
-1422	2,300681E+22	2,491352E+22	2,573646E+22	2,573639E+22	2,491345E+22	2,300663E+22	2,008870E+22	1,694171E+22	1,484704E+22	1,484701E+22	1,694155E+22	2,008833E+22
-1421	2,300601E+22	2,491273E+22	2,573607E+22	2,573668E+22	2,491396E+22	2,300709E+22	2,008910E+22	1,694202E+22	1,484715E+22	1,484700E+22	1,694167E+22	2,008886E+22
-1420	2,300726E+22	2,491432E+22	2,573698E+22	2,573689E+22	2,491374E+22	2,300657E+22	2,008848E+22	1,694148E+22	1,484687E+22	1,484706E+22	1,694199E+22	2,008905E+22
-1419	2,300687E+22	2,491362E+22	2,573618E+22	2,573602E+22	2,491323E+22	2,300660E+22	2,008882E+22	1,694184E+22	1,484700E+22	1,484683E+22	1,694138E+22	2,008822E+22
-1418	2,300607E+22	2,491348E+22	2,573699E+22	2,573696E+22	2,491371E+22	2,300667E+22	2,008883E+22	1,694207E+22	1,484747E+22	1,484742E+22	1,694207E+22	2,008917E+22
-1417	2,300725E+22	2,491413E+22	2,573710E+22	2,573696E+22	2,491357E+22	2,300641E+22	2,008852E+22	1,694176E+22	1,484741E+22	1,484763E+22	1,694219E+22	2,008875E+22

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	2,300629E+22	2,491285E+22	2,573576E+22	2,573634E+22	2,491381E+22	2,300703E+22	2,008918E+22	1,694238E+22	1,484782E+22	1,484774E+22	1,694206E+22	2,008851E+22
-1415	2,300633E+22	2,491378E+22	2,573690E+22	2,573681E+22	2,491382E+22	2,300692E+22	2,008910E+22	1,694246E+22	1,484810E+22	1,484822E+22	1,694288E+22	2,008970E+22
-1414	2,300721E+22	2,491371E+22	2,573642E+22	2,573616E+22	2,491311E+22	2,300649E+22	2,008908E+22	1,694270E+22	1,484845E+22	1,484838E+22	1,694246E+22	2,008868E+22
-1413	2,300602E+22	2,491261E+22	2,573576E+22	2,573617E+22	2,491344E+22	2,300691E+22	2,008965E+22	1,694339E+22	1,484906E+22	1,484880E+22	1,694272E+22	2,008894E+22
-1412	2,300673E+22	2,491394E+22	2,573695E+22	2,573684E+22	2,491354E+22	2,300648E+22	2,008900E+22	1,694291E+22	1,484899E+22	1,484920E+22	1,694348E+22	2,008962E+22
-1411	2,300671E+22	2,491320E+22	2,573598E+22	2,573589E+22	2,491304E+22	2,300653E+22	2,008926E+22	1,694312E+22	1,484903E+22	1,484900E+22	1,694297E+22	2,008888E+22
-1410	2,300583E+22	2,491259E+22	2,573609E+22	2,573644E+22	2,491352E+22	2,300681E+22	2,008946E+22	1,694333E+22	1,484924E+22	1,484921E+22	1,694335E+22	2,008976E+22
-1409	2,300735E+22	2,491391E+22	2,573662E+22	2,573652E+22	2,491339E+22	2,300652E+22	2,008905E+22	1,694278E+22	1,484877E+22	1,484897E+22	1,694324E+22	2,008945E+22
-1408	2,300667E+22	2,491301E+22	2,573554E+22	2,573570E+22	2,491326E+22	2,300689E+22	2,008953E+22	1,694314E+22	1,484875E+22	1,484849E+22	1,694245E+22	2,008860E+22
-1407	2,300621E+22	2,491365E+22	2,573693E+22	2,573666E+22	2,491342E+22	2,300665E+22	2,008923E+22	1,694291E+22	1,484862E+22	1,484854E+22	1,694285E+22	2,008954E+22
-1406	2,300721E+22	2,491389E+22	2,573683E+22	2,573661E+22	2,491323E+22	2,300623E+22	2,008873E+22	1,694245E+22	1,484831E+22	1,484831E+22	1,694238E+22	2,008851E+22
-1405	2,300585E+22	2,491250E+22	2,573567E+22	2,573628E+22	2,491371E+22	2,300696E+22	2,008928E+22	1,694271E+22	1,484824E+22	1,484808E+22	1,694227E+22	2,008861E+22
-1404	2,300633E+22	2,491365E+22	2,573686E+22	2,573693E+22	2,491390E+22	2,300678E+22	2,008879E+22	1,694206E+22	1,484772E+22	1,484794E+22	1,694269E+22	2,008953E+22
-1403	2,300697E+22	2,491345E+22	2,573615E+22	2,573598E+22	2,491317E+22	2,300660E+22	2,008894E+22	1,694215E+22	1,484755E+22	1,484747E+22	1,694189E+22	2,008854E+22
-1402	2,300603E+22	2,491272E+22	2,573595E+22	2,573626E+22	2,491343E+22	2,300672E+22	2,008913E+22	1,694249E+22	1,484787E+22	1,484766E+22	1,694205E+22	2,008898E+22
-1401	2,300724E+22	2,491430E+22	2,573704E+22	2,573679E+22	2,491347E+22	2,300637E+22	2,008858E+22	1,694194E+22	1,484760E+22	1,484777E+22	1,694234E+22	2,008899E+22
-1400	2,300663E+22	2,491339E+22	2,573606E+22	2,573602E+22	2,491331E+22	2,300663E+22	2,008896E+22	1,694231E+22	1,484780E+22	1,484769E+22	1,694193E+22	2,008826E+22
-1399	2,300580E+22	2,491324E+22	2,573681E+22	2,573681E+22	2,491363E+22	2,300667E+22	2,008896E+22	1,694243E+22	1,484809E+22	1,484813E+22	1,694263E+22	2,008946E+22
-1398	2,300720E+22	2,491384E+22	2,573681E+22	2,573677E+22	2,491351E+22	2,300643E+22	2,008870E+22	1,694228E+22	1,484819E+22	1,484837E+22	1,694266E+22	2,008891E+22
-1397	2,300618E+22	2,491255E+22	2,573532E+22	2,573585E+22	2,491351E+22	2,300703E+22	2,008956E+22	1,694311E+22	1,484873E+22	1,484856E+22	1,694259E+22	2,008874E+22
-1396	2,300627E+22	2,491347E+22	2,573661E+22	2,573654E+22	2,491355E+22	2,300679E+22	2,008932E+22	1,694307E+22	1,484897E+22	1,484900E+22	1,694327E+22	2,008973E+22
-1395	2,300711E+22	2,491363E+22	2,573635E+22	2,573597E+22	2,491282E+22	2,300633E+22	2,008927E+22	1,694331E+22	1,484930E+22	1,484924E+22	1,694307E+22	2,008885E+22
-1394	2,300577E+22	2,491228E+22	2,573554E+22	2,573594E+22	2,491309E+22	2,300654E+22	2,008956E+22	1,694382E+22	1,484990E+22	1,484973E+22	1,694346E+22	2,008931E+22
-1393	2,300667E+22	2,491359E+22	2,573663E+22	2,573657E+22	2,491339E+22	2,300648E+22	2,008914E+22	1,694327E+22	1,484963E+22	1,484992E+22	1,694402E+22	2,008992E+22
-1392	2,300676E+22	2,491300E+22	2,573565E+22	2,573559E+22	2,491293E+22	2,300661E+22	2,008952E+22	1,694357E+22	1,484965E+22	1,484963E+22	1,694340E+22	2,008905E+22
-1391	2,300594E+22	2,491267E+22	2,573595E+22	2,573606E+22	2,491312E+22	2,300662E+22	2,008957E+22	1,694370E+22	1,484974E+22	1,484965E+22	1,694358E+22	2,008982E+22
-1390	2,300739E+22	2,491400E+22	2,573669E+22	2,573642E+22	2,491315E+22	2,300630E+22	2,008906E+22	1,694322E+22	1,484947E+22	1,484954E+22	1,694340E+22	2,008923E+22
-1389	2,300632E+22	2,491281E+22	2,573552E+22	2,573562E+22	2,491309E+22	2,300674E+22	2,008963E+22	1,694361E+22	1,484948E+22	1,484922E+22	1,694287E+22	2,008859E+22
-1388	2,300581E+22	2,491305E+22	2,573668E+22	2,573675E+22	2,491354E+22	2,300665E+22	2,008926E+22	1,694320E+22	1,484918E+22	1,484916E+22	1,694325E+22	2,008959E+22
-1387	2,300697E+22	2,491350E+22	2,573652E+22	2,573645E+22	2,491326E+22	2,300641E+22	2,008898E+22	1,694281E+22	1,484878E+22	1,484888E+22	1,694294E+22	2,008883E+22
-1386	2,300575E+22	2,491209E+22	2,573520E+22	2,573580E+22	2,491332E+22	2,300678E+22	2,008941E+22	1,694311E+22	1,484882E+22	1,484869E+22	1,694277E+22	2,008900E+22
-1385	2,300654E+22	2,491352E+22	2,573649E+22	2,573641E+22	2,491353E+22	2,300674E+22	2,008904E+22	1,694253E+22	1,484832E+22	1,484848E+22	1,694299E+22	2,008963E+22
-1384	2,300707E+22	2,491351E+22	2,573605E+22	2,573564E+22	2,491283E+22	2,300647E+22	2,008912E+22	1,694267E+22	1,484829E+22	1,484818E+22	1,694226E+22	2,008849E+22
-1383	2,300592E+22	2,491278E+22	2,573606E+22	2,573614E+22	2,491305E+22	2,300634E+22	2,008904E+22	1,694281E+22	1,484851E+22	1,484836E+22	1,694251E+22	2,008908E+22
-1382	2,300709E+22	2,491412E+22	2,573705E+22	2,573688E+22	2,491348E+22	2,300618E+22	2,008845E+22	1,694227E+22	1,484835E+22	1,484855E+22	1,694284E+22	2,008907E+22
-1381	2,300634E+22	2,491294E+22	2,573571E+22	2,573580E+22	2,491328E+22	2,300673E+22	2,008918E+22	1,694277E+22	1,484852E+22	1,484848E+22	1,694256E+22	2,008859E+22

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	2,300571E+22	2,491271E+22	2,573636E+22	2,573662E+22	2,491359E+22	2,300679E+22	2,008926E+22	1,694293E+22	1,484874E+22	1,484874E+22	1,694300E+22	2,008961E+22
-1379	2,300726E+22	2,491374E+22	2,573655E+22	2,573640E+22	2,491324E+22	2,300648E+22	2,008910E+22	1,694295E+22	1,484894E+22	1,484903E+22	1,694310E+22	2,008903E+22
-1378	2,300604E+22	2,491237E+22	2,573514E+22	2,573541E+22	2,491292E+22	2,300667E+22	2,008971E+22	1,694379E+22	1,484971E+22	1,484947E+22	1,694314E+22	2,008889E+22
-1377	2,300619E+22	2,491327E+22	2,573646E+22	2,573629E+22	2,491324E+22	2,300662E+22	2,008947E+22	1,694363E+22	1,484987E+22	1,484993E+22	1,694382E+22	2,008978E+22
-1376	2,300689E+22	2,491333E+22	2,573611E+22	2,573580E+22	2,491275E+22	2,300629E+22	2,008939E+22	1,694379E+22	1,485015E+22	1,485020E+22	1,694374E+22	2,008902E+22
-1375	2,300565E+22	2,491208E+22	2,573534E+22	2,573570E+22	2,491287E+22	2,300641E+22	2,008958E+22	1,694412E+22	1,485048E+22	1,485043E+22	1,694405E+22	2,008969E+22
-1374	2,300681E+22	2,491346E+22	2,573643E+22	2,573640E+22	2,491323E+22	2,300634E+22	2,008918E+22	1,694367E+22	1,485028E+22	1,485051E+22	1,694437E+22	2,009003E+22
-1373	2,300673E+22	2,491284E+22	2,573539E+22	2,573526E+22	2,491271E+22	2,300659E+22	2,008978E+22	1,694411E+22	1,485035E+22	1,485025E+22	1,694376E+22	2,008914E+22
-1372	2,300583E+22	2,491243E+22	2,573588E+22	2,573603E+22	2,491298E+22	2,300654E+22	2,008973E+22	1,694415E+22	1,485037E+22	1,485020E+22	1,694379E+22	2,008966E+22
-1371	2,300715E+22	2,491385E+22	2,573669E+22	2,573641E+22	2,491305E+22	2,300625E+22	2,008924E+22	1,694367E+22	1,485008E+22	1,485019E+22	1,694388E+22	2,008926E+22
-1370	2,300591E+22	2,491230E+22	2,573521E+22	2,573541E+22	2,491286E+22	2,300656E+22	2,008964E+22	1,694398E+22	1,485016E+22	1,484999E+22	1,694350E+22	2,008892E+22
-1369	2,300573E+22	2,491258E+22	2,573613E+22	2,573631E+22	2,491339E+22	2,300677E+22	2,008947E+22	1,694351E+22	1,484970E+22	1,484975E+22	1,694372E+22	2,008983E+22
-1368	2,300703E+22	2,491325E+22	2,573605E+22	2,573598E+22	2,491299E+22	2,300643E+22	2,008924E+22	1,694326E+22	1,484936E+22	1,484945E+22	1,694332E+22	2,008901E+22
-1367	2,300595E+22	2,491222E+22	2,573504E+22	2,573535E+22	2,491277E+22	2,300644E+22	2,008940E+22	1,694343E+22	1,484932E+22	1,484915E+22	1,694306E+22	2,008914E+22
-1366	2,300670E+22	2,491369E+22	2,573662E+22	2,573632E+22	2,491316E+22	2,300632E+22	2,008892E+22	1,694292E+22	1,484902E+22	1,484908E+22	1,694323E+22	2,008950E+22
-1365	2,300684E+22	2,491338E+22	2,573611E+22	2,573568E+22	2,491271E+22	2,300631E+22	2,008916E+22	1,694307E+22	1,484900E+22	1,484893E+22	1,694276E+22	2,008856E+22
-1364	2,300562E+22	2,491234E+22	2,573596E+22	2,573633E+22	2,491320E+22	2,300641E+22	2,008914E+22	1,694312E+22	1,484907E+22	1,484899E+22	1,694292E+22	2,008911E+22
-1363	2,300688E+22	2,491382E+22	2,573684E+22	2,573681E+22	2,491357E+22	2,300646E+22	2,008884E+22	1,694275E+22	1,484892E+22	1,484919E+22	1,694340E+22	2,008931E+22
-1362	2,300619E+22	2,491251E+22	2,573528E+22	2,573541E+22	2,491298E+22	2,300669E+22	2,008950E+22	1,694342E+22	1,484935E+22	1,484926E+22	1,694311E+22	2,008889E+22
-1361	2,300580E+22	2,491243E+22	2,573585E+22	2,573604E+22	2,491326E+22	2,300686E+22	2,008967E+22	1,694364E+22	1,484965E+22	1,484954E+22	1,694342E+22	2,008963E+22
-1360	2,300717E+22	2,491363E+22	2,573636E+22	2,573604E+22	2,491285E+22	2,300633E+22	2,008939E+22	1,694369E+22	1,484997E+22	1,485002E+22	1,694367E+22	2,008908E+22
-1359	2,300591E+22	2,491226E+22	2,573506E+22	2,573517E+22	2,491241E+22	2,300617E+22	2,008958E+22	1,694421E+22	1,485054E+22	1,485040E+22	1,694383E+22	2,008915E+22
-1358	2,300609E+22	2,491301E+22	2,573629E+22	2,573621E+22	2,491306E+22	2,300629E+22	2,008929E+22	1,694398E+22	1,485068E+22	1,485081E+22	1,694447E+22	2,009002E+22
-1357	2,300676E+22	2,491298E+22	2,573576E+22	2,573555E+22	2,491261E+22	2,300628E+22	2,008952E+22	1,694415E+22	1,485080E+22	1,485095E+22	1,694440E+22	2,008943E+22
-1356	2,300570E+22	2,491177E+22	2,573503E+22	2,573553E+22	2,491275E+22	2,300642E+22	2,008978E+22	1,694448E+22	1,485097E+22	1,485089E+22	1,694432E+22	2,008978E+22
-1355	2,300689E+22	2,491353E+22	2,573637E+22	2,573620E+22	2,491306E+22	2,300640E+22	2,008951E+22	1,694419E+22	1,485085E+22	1,485100E+22	1,694466E+22	2,009002E+22
-1354	2,300652E+22	2,491268E+22	2,573532E+22	2,573507E+22	2,491233E+22	2,300635E+22	2,008991E+22	1,694467E+22	1,485113E+22	1,485095E+22	1,694413E+22	2,008914E+22
-1353	2,300563E+22	2,491211E+22	2,573563E+22	2,573588E+22	2,491291E+22	2,300659E+22	2,008994E+22	1,694462E+22	1,485108E+22	1,485091E+22	1,694419E+22	2,008958E+22
-1352	2,300679E+22	2,491345E+22	2,573638E+22	2,573626E+22	2,491303E+22	2,300635E+22	2,008946E+22	1,694412E+22	1,485077E+22	1,485093E+22	1,694441E+22	2,008940E+22
-1351	2,300578E+22	2,491202E+22	2,573485E+22	2,573504E+22	2,491251E+22	2,300638E+22	2,008970E+22	1,694426E+22	1,485064E+22	1,485056E+22	1,694402E+22	2,008929E+22
-1350	2,300590E+22	2,491247E+22	2,573582E+22	2,573598E+22	2,491305E+22	2,300651E+22	2,008950E+22	1,694392E+22	1,485031E+22	1,485028E+22	1,694404E+22	2,008996E+22
-1349	2,300709E+22	2,491323E+22	2,573582E+22	2,573558E+22	2,491262E+22	2,300627E+22	2,008939E+22	1,694372E+22	1,485001E+22	1,485005E+22	1,694371E+22	2,008914E+22
-1348	2,300591E+22	2,491216E+22	2,573511E+22	2,573538E+22	2,491254E+22	2,300621E+22	2,008943E+22	1,694377E+22	1,484988E+22	1,484968E+22	1,694331E+22	2,008906E+22
-1347	2,300653E+22	2,491366E+22	2,573676E+22	2,573649E+22	2,491314E+22	2,300622E+22	2,008900E+22	1,694327E+22	1,484958E+22	1,484973E+22	1,694375E+22	2,008957E+22
-1346	2,300645E+22	2,491292E+22	2,573588E+22	2,573565E+22	2,491264E+22	2,300623E+22	2,008922E+22	1,694346E+22	1,484969E+22	1,484970E+22	1,694339E+22	2,008889E+22
-1345	2,300557E+22	2,491190E+22	2,573544E+22	2,573598E+22	2,491318E+22	2,300669E+22	2,008951E+22	1,694359E+22	1,484972E+22	1,484966E+22	1,694340E+22	2,008926E+22

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	2,300679E+22	2,491354E+22	2,573638E+22	2,573636E+22	2,491332E+22	2,300656E+22	2,008929E+22	1,694343E+22	1,484973E+22	1,484992E+22	1,694381E+22	2,008941E+22
-1343	2,300622E+22	2,491248E+22	2,573502E+22	2,573493E+22	2,491240E+22	2,300636E+22	2,008962E+22	1,694399E+22	1,485017E+22	1,485003E+22	1,694358E+22	2,008905E+22
-1342	2,300582E+22	2,491242E+22	2,573576E+22	2,573582E+22	2,491279E+22	2,300638E+22	2,008962E+22	1,694422E+22	1,485061E+22	1,485043E+22	1,694391E+22	2,008962E+22
-1341	2,300686E+22	2,491332E+22	2,573614E+22	2,573588E+22	2,491263E+22	2,300611E+22	2,008942E+22	1,694417E+22	1,485084E+22	1,485099E+22	1,694441E+22	2,008935E+22
-1340	2,300568E+22	2,491184E+22	2,573488E+22	2,573521E+22	2,491240E+22	2,300612E+22	2,008961E+22	1,694450E+22	1,485114E+22	1,485111E+22	1,694439E+22	2,008941E+22
-1339	2,300607E+22	2,491284E+22	2,573611E+22	2,573611E+22	2,491300E+22	2,300638E+22	2,008955E+22	1,694438E+22	1,485120E+22	1,485143E+22	1,694506E+22	2,009033E+22
-1338	2,300671E+22	2,491271E+22	2,573543E+22	2,573524E+22	2,491233E+22	2,300621E+22	2,008977E+22	1,694472E+22	1,485152E+22	1,485161E+22	1,694484E+22	2,008968E+22
-1337	2,300584E+22	2,491171E+22	2,573471E+22	2,573511E+22	2,491254E+22	2,300655E+22	2,009015E+22	1,694509E+22	1,485173E+22	1,485153E+22	1,694457E+22	2,008962E+22
-1336	2,300665E+22	2,491344E+22	2,573631E+22	2,573602E+22	2,491281E+22	2,300635E+22	2,008984E+22	1,694488E+22	1,485173E+22	1,485179E+22	1,694502E+22	2,008990E+22
-1335	2,300625E+22	2,491245E+22	2,573518E+22	2,573496E+22	2,491204E+22	2,300601E+22	2,008986E+22	1,694506E+22	1,485186E+22	1,485173E+22	1,694470E+22	2,008933E+22
-1334	2,300546E+22	2,491175E+22	2,573525E+22	2,573571E+22	2,491275E+22	2,300635E+22	2,008987E+22	1,694498E+22	1,485177E+22	1,485162E+22	1,694472E+22	2,008978E+22
-1333	2,300660E+22	2,491303E+22	2,573587E+22	2,573587E+22	2,491283E+22	2,300633E+22	2,008963E+22	1,694448E+22	1,485131E+22	1,485156E+22	1,694499E+22	2,008980E+22
-1332	2,300586E+22	2,491181E+22	2,573459E+22	2,573479E+22	2,491221E+22	2,300622E+22	2,008979E+22	1,694456E+22	1,485105E+22	1,485092E+22	1,694426E+22	2,008940E+22
-1331	2,300603E+22	2,491268E+22	2,573588E+22	2,573580E+22	2,491274E+22	2,300634E+22	2,008963E+22	1,694429E+22	1,485078E+22	1,485075E+22	1,694436E+22	2,008997E+22
-1330	2,300691E+22	2,491317E+22	2,573587E+22	2,573553E+22	2,491231E+22	2,300596E+22	2,008938E+22	1,694412E+22	1,485069E+22	1,485071E+22	1,694410E+22	2,008921E+22
-1329	2,300577E+22	2,491194E+22	2,573491E+22	2,573533E+22	2,491263E+22	2,300633E+22	2,008956E+22	1,694413E+22	1,485050E+22	1,485033E+22	1,694369E+22	2,008899E+22
-1328	2,300617E+22	2,491332E+22	2,573653E+22	2,573646E+22	2,491327E+22	2,300645E+22	2,008932E+22	1,694376E+22	1,485026E+22	1,485042E+22	1,694420E+22	2,008972E+22
-1327	2,300635E+22	2,491261E+22	2,573549E+22	2,573536E+22	2,491240E+22	2,300614E+22	2,008940E+22	1,694389E+22	1,485029E+22	1,485033E+22	1,694389E+22	2,008920E+22
-1326	2,300564E+22	2,491169E+22	2,573497E+22	2,573557E+22	2,491285E+22	2,300649E+22	2,008971E+22	1,694424E+22	1,485055E+22	1,485035E+22	1,694380E+22	2,008934E+22
-1325	2,300666E+22	2,491336E+22	2,573604E+22	2,573591E+22	2,491291E+22	2,300642E+22	2,008954E+22	1,694408E+22	1,485062E+22	1,485077E+22	1,694437E+22	2,008957E+22
-1324	2,300605E+22	2,491229E+22	2,573497E+22	2,573480E+22	2,491199E+22	2,300600E+22	2,008965E+22	1,694446E+22	1,485096E+22	1,485083E+22	1,694408E+22	2,008912E+22
-1323	2,300566E+22	2,491232E+22	2,573573E+22	2,573580E+22	2,491263E+22	2,300616E+22	2,008963E+22	1,694461E+22	1,485133E+22	1,485131E+22	1,694466E+22	2,008989E+22
-1322	2,300661E+22	2,491291E+22	2,573579E+22	2,573567E+22	2,491244E+22	2,300595E+22	2,008944E+22	1,694456E+22	1,485159E+22	1,485184E+22	1,694512E+22	2,008982E+22
-1321	2,300580E+22	2,491158E+22	2,573437E+22	2,573481E+22	2,491233E+22	2,300632E+22	2,008991E+22	1,694496E+22	1,485177E+22	1,485173E+22	1,694481E+22	2,008958E+22
-1320	2,300609E+22	2,491277E+22	2,573587E+22	2,573581E+22	2,491280E+22	2,300644E+22	2,008996E+22	1,694506E+22	1,485197E+22	1,485204E+22	1,694532E+22	2,009037E+22
-1319	2,300675E+22	2,491274E+22	2,573535E+22	2,573498E+22	2,491190E+22	2,300591E+22	2,008990E+22	1,694528E+22	1,485230E+22	1,485228E+22	1,694517E+22	2,008969E+22
-1318	2,300571E+22	2,491165E+22	2,573468E+22	2,573506E+22	2,491228E+22	2,300622E+22	2,009021E+22	1,694570E+22	1,485263E+22	1,485233E+22	1,694497E+22	2,008948E+22
-1317	2,300614E+22	2,491302E+22	2,573605E+22	2,573592E+22	2,491277E+22	2,300632E+22	2,008997E+22	1,694536E+22	1,485252E+22	1,485265E+22	1,694566E+22	2,009008E+22
-1316	2,300589E+22	2,491195E+22	2,573491E+22	2,573489E+22	2,491199E+22	2,300600E+22	2,008996E+22	1,694537E+22	1,485239E+22	1,485235E+22	1,694520E+22	2,008959E+22
-1315	2,300544E+22	2,491155E+22	2,573496E+22	2,573546E+22	2,491260E+22	2,300635E+22	2,009007E+22	1,694532E+22	1,485223E+22	1,485218E+22	1,694526E+22	2,009011E+22
-1314	2,300660E+22	2,491277E+22	2,573545E+22	2,573545E+22	2,491247E+22	2,300615E+22	2,008976E+22	1,694494E+22	1,485194E+22	1,485213E+22	1,694540E+22	2,009012E+22
-1313	2,300608E+22	2,491188E+22	2,573436E+22	2,573440E+22	2,491198E+22	2,300622E+22	2,008997E+22	1,694498E+22	1,485164E+22	1,485145E+22	1,694449E+22	2,008933E+22
-1312	2,300588E+22	2,491270E+22	2,573596E+22	2,573575E+22	2,491252E+22	2,300618E+22	2,008976E+22	1,694477E+22	1,485147E+22	1,485138E+22	1,694466E+22	2,008994E+22
-1311	2,300670E+22	2,491297E+22	2,573579E+22	2,573555E+22	2,491217E+22	2,300568E+22	2,008927E+22	1,694438E+22	1,485127E+22	1,485137E+22	1,694459E+22	2,008941E+22
-1310	2,300566E+22	2,491167E+22	2,573461E+22	2,573520E+22	2,491257E+22	2,300621E+22	2,008959E+22	1,694451E+22	1,485112E+22	1,485096E+22	1,694414E+22	2,008912E+22
-1309	2,300591E+22	2,491287E+22	2,573600E+22	2,573606E+22	2,491312E+22	2,300655E+22	2,008963E+22	1,694426E+22	1,485090E+22	1,485105E+22	1,694468E+22	2,008997E+22

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	2,300628E+22	2,491238E+22	2,573521E+22	2,573504E+22	2,491210E+22	2,300603E+22	2,008961E+22	1,694439E+22	1,485092E+22	1,485086E+22	1,694417E+22	2,008928E+22
-1307	2,300567E+22	2,491178E+22	2,573490E+22	2,573528E+22	2,491246E+22	2,300627E+22	2,008987E+22	1,694476E+22	1,485128E+22	1,485109E+22	1,694428E+22	2,008940E+22
-1306	2,300639E+22	2,491309E+22	2,573588E+22	2,573571E+22	2,491254E+22	2,300607E+22	2,008957E+22	1,694463E+22	1,485152E+22	1,485168E+22	1,694499E+22	2,008981E+22
-1305	2,300595E+22	2,491204E+22	2,573466E+22	2,573461E+22	2,491198E+22	2,300603E+22	2,008973E+22	1,694488E+22	1,485173E+22	1,485167E+22	1,694466E+22	2,008924E+22
-1304	2,300542E+22	2,491206E+22	2,573553E+22	2,573566E+22	2,491258E+22	2,300623E+22	2,008988E+22	1,694513E+22	1,485208E+22	1,485208E+22	1,694520E+22	2,009018E+22
-1303	2,300665E+22	2,491269E+22	2,573549E+22	2,573541E+22	2,491219E+22	2,300581E+22	2,008958E+22	1,694504E+22	1,485228E+22	1,485253E+22	1,694563E+22	2,009014E+22
-1302	2,300597E+22	2,491156E+22	2,573410E+22	2,573451E+22	2,491206E+22	2,300614E+22	2,009014E+22	1,694564E+22	1,485263E+22	1,485243E+22	1,694515E+22	2,008957E+22
-1301	2,300588E+22	2,491261E+22	2,573569E+22	2,573553E+22	2,491254E+22	2,300640E+22	2,009029E+22	1,694576E+22	1,485289E+22	1,485288E+22	1,694579E+22	2,009039E+22
-1300	2,300641E+22	2,491249E+22	2,573538E+22	2,573500E+22	2,491169E+22	2,300568E+22	2,008998E+22	1,694578E+22	1,485308E+22	1,485306E+22	1,694564E+22	2,008970E+22
-1299	2,300541E+22	2,491137E+22	2,573453E+22	2,573501E+22	2,491224E+22	2,300613E+22	2,009026E+22	1,694605E+22	1,485331E+22	1,485319E+22	1,694570E+22	2,008975E+22
-1298	2,300582E+22	2,491242E+22	2,573553E+22	2,573558E+22	2,491259E+22	2,300625E+22	2,009006E+22	1,694572E+22	1,485318E+22	1,485341E+22	1,694633E+22	2,009059E+22
-1297	2,300606E+22	2,491167E+22	2,573429E+22	2,573431E+22	2,491181E+22	2,300611E+22	2,009017E+22	1,694573E+22	1,485291E+22	1,485287E+22	1,694556E+22	2,008979E+22
-1296	2,300554E+22	2,491158E+22	2,573479E+22	2,573508E+22	2,491226E+22	2,300624E+22	2,009029E+22	1,694583E+22	1,485284E+22	1,485265E+22	1,694546E+22	2,009022E+22
-1295	2,300675E+22	2,491290E+22	2,573546E+22	2,573520E+22	2,491199E+22	2,300570E+22	2,008967E+22	1,694527E+22	1,485252E+22	1,485265E+22	1,694565E+22	2,009015E+22
-1294	2,300604E+22	2,491191E+22	2,573442E+22	2,573441E+22	2,491177E+22	2,300586E+22	2,008990E+22	1,694538E+22	1,485229E+22	1,485205E+22	1,694477E+22	2,008920E+22
-1293	2,300547E+22	2,491235E+22	2,573582E+22	2,573578E+22	2,491263E+22	2,300625E+22	2,008988E+22	1,694511E+22	1,485206E+22	1,485203E+22	1,694513E+22	2,009005E+22
-1292	2,300636E+22	2,491256E+22	2,573563E+22	2,573552E+22	2,491220E+22	2,300574E+22	2,008942E+22	1,694468E+22	1,485171E+22	1,485185E+22	1,694495E+22	2,008957E+22
-1291	2,300559E+22	2,491147E+22	2,573433E+22	2,573495E+22	2,491248E+22	2,300629E+22	2,008988E+22	1,694493E+22	1,485168E+22	1,485158E+22	1,694462E+22	2,008932E+22
-1290	2,300577E+22	2,491250E+22	2,573554E+22	2,573556E+22	2,491276E+22	2,300644E+22	2,008988E+22	1,694488E+22	1,485172E+22	1,485178E+22	1,694512E+22	2,009018E+22
-1289	2,300634E+22	2,491230E+22	2,573486E+22	2,573455E+22	2,491179E+22	2,300597E+22	2,008983E+22	1,694498E+22	1,485177E+22	1,485165E+22	1,694458E+22	2,008926E+22
-1288	2,300544E+22	2,491166E+22	2,573490E+22	2,573516E+22	2,491217E+22	2,300599E+22	2,008997E+22	1,694536E+22	1,485220E+22	1,485197E+22	1,694481E+22	2,008958E+22
-1287	2,300626E+22	2,491278E+22	2,573566E+22	2,573556E+22	2,491228E+22	2,300570E+22	2,008942E+22	1,694496E+22	1,485229E+22	1,485256E+22	1,694570E+22	2,009021E+22
-1286	2,300599E+22	2,491181E+22	2,573437E+22	2,573440E+22	2,491181E+22	2,300586E+22	2,008980E+22	1,694532E+22	1,485244E+22	1,485243E+22	1,694523E+22	2,008951E+22
-1285	2,300535E+22	2,491178E+22	2,573517E+22	2,573533E+22	2,491243E+22	2,300630E+22	2,009019E+22	1,694566E+22	1,485280E+22	1,485279E+22	1,694569E+22	2,009040E+22
-1284	2,300661E+22	2,491261E+22	2,573543E+22	2,573521E+22	2,491196E+22	2,300572E+22	2,008980E+22	1,694558E+22	1,485299E+22	1,485313E+22	1,694591E+22	2,009015E+22
-1283	2,300592E+22	2,491163E+22	2,573418E+22	2,573440E+22	2,491186E+22	2,300604E+22	2,009034E+22	1,694619E+22	1,485345E+22	1,485326E+22	1,694564E+22	2,008954E+22
-1282	2,300545E+22	2,491212E+22	2,573543E+22	2,573540E+22	2,491238E+22	2,300625E+22	2,009042E+22	1,694635E+22	1,485382E+22	1,485381E+22	1,694639E+22	2,009056E+22
-1281	2,300621E+22	2,491208E+22	2,573491E+22	2,573475E+22	2,491178E+22	2,300585E+22	2,009018E+22	1,694624E+22	1,485383E+22	1,485387E+22	1,694622E+22	2,008988E+22
-1280	2,300520E+22	2,491101E+22	2,573420E+22	2,573469E+22	2,491205E+22	2,300616E+22	2,009053E+22	1,694656E+22	1,485398E+22	1,485384E+22	1,694619E+22	2,009011E+22
-1279	2,300594E+22	2,491213E+22	2,573508E+22	2,573510E+22	2,491217E+22	2,300600E+22	2,009012E+22	1,694611E+22	1,485375E+22	1,485398E+22	1,694677E+22	2,009094E+22
-1278	2,300635E+22	2,491177E+22	2,573411E+22	2,573392E+22	2,491136E+22	2,300578E+22	2,009025E+22	1,694621E+22	1,485354E+22	1,485341E+22	1,694581E+22	2,008977E+22
-1277	2,300545E+22	2,491157E+22	2,573477E+22	2,573486E+22	2,491194E+22	2,300605E+22	2,009039E+22	1,694625E+22	1,485349E+22	1,485328E+22	1,694579E+22	2,009017E+22
-1276	2,300648E+22	2,491278E+22	2,573566E+22	2,573534E+22	2,491189E+22	2,300546E+22	2,008959E+22	1,694553E+22	1,485304E+22	1,485320E+22	1,694596E+22	2,009012E+22
-1275	2,300582E+22	2,491173E+22	2,573441E+22	2,573450E+22	2,491188E+22	2,300586E+22	2,008990E+22	1,694556E+22	1,485277E+22	1,485270E+22	1,694530E+22	2,008935E+22
-1274	2,300513E+22	2,491173E+22	2,573532E+22	2,573550E+22	2,491258E+22	2,300634E+22	2,009010E+22	1,694550E+22	1,485263E+22	1,485265E+22	1,694560E+22	2,009034E+22
-1273	2,300642E+22	2,491225E+22	2,573506E+22	2,573503E+22	2,491211E+22	2,300595E+22	2,008976E+22	1,694516E+22	1,485230E+22	1,485238E+22	1,694524E+22	2,008963E+22

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	2,300554E+22	2,491140E+22	2,573416E+22	2,573453E+22	2,491209E+22	2,300619E+22	2,009019E+22	1,694559E+22	1,485246E+22	1,485220E+22	1,694490E+22	2,008942E+22
-1271	2,300578E+22	2,491237E+22	2,573538E+22	2,573521E+22	2,491225E+22	2,300601E+22	2,008985E+22	1,694536E+22	1,485254E+22	1,485259E+22	1,694560E+22	2,009031E+22
-1270	2,300631E+22	2,491219E+22	2,573479E+22	2,573443E+22	2,491149E+22	2,300559E+22	2,008978E+22	1,694547E+22	1,485261E+22	1,485252E+22	1,694514E+22	2,008933E+22
-1269	2,300514E+22	2,491130E+22	2,573470E+22	2,573506E+22	2,491214E+22	2,300598E+22	2,009005E+22	1,694575E+22	1,485294E+22	1,485283E+22	1,694550E+22	2,008988E+22
-1268	2,300610E+22	2,491248E+22	2,573554E+22	2,573546E+22	2,491220E+22	2,300567E+22	2,008954E+22	1,694531E+22	1,485286E+22	1,485319E+22	1,694619E+22	2,009050E+22
-1267	2,300608E+22	2,491172E+22	2,573422E+22	2,573422E+22	2,491173E+22	2,300591E+22	2,009005E+22	1,694578E+22	1,485311E+22	1,485316E+22	1,694574E+22	2,008970E+22
-1266	2,300527E+22	2,491151E+22	2,573483E+22	2,573495E+22	2,491218E+22	2,300630E+22	2,009053E+22	1,694636E+22	1,485369E+22	1,485358E+22	1,694613E+22	2,009052E+22
-1265	2,300659E+22	2,491249E+22	2,573515E+22	2,573486E+22	2,491177E+22	2,300575E+22	2,009011E+22	1,694624E+22	1,485389E+22	1,485397E+22	1,694632E+22	2,009005E+22
-1264	2,300555E+22	2,491137E+22	2,573413E+22	2,573429E+22	2,491167E+22	2,300591E+22	2,009055E+22	1,694685E+22	1,485440E+22	1,485416E+22	1,694621E+22	2,008974E+22
-1263	2,300526E+22	2,491159E+22	2,573499E+22	2,573509E+22	2,491211E+22	2,300599E+22	2,009036E+22	1,694673E+22	1,485459E+22	1,485469E+22	1,694708E+22	2,009093E+22
-1262	2,300626E+22	2,491175E+22	2,573443E+22	2,573429E+22	2,491140E+22	2,300565E+22	2,009030E+22	1,694669E+22	1,485448E+22	1,485456E+22	1,694674E+22	2,009014E+22
-1261	2,300522E+22	2,491079E+22	2,573383E+22	2,573426E+22	2,491172E+22	2,300606E+22	2,009072E+22	1,694700E+22	1,485458E+22	1,485442E+22	1,694660E+22	2,009031E+22
-1260	2,300601E+22	2,491221E+22	2,573514E+22	2,573486E+22	2,491174E+22	2,300569E+22	2,009013E+22	1,694645E+22	1,485427E+22	1,485442E+22	1,694695E+22	2,009091E+22
-1259	2,300636E+22	2,491195E+22	2,573438E+22	2,573398E+22	2,491118E+22	2,300556E+22	2,009021E+22	1,694647E+22	1,485410E+22	1,485404E+22	1,694615E+22	2,008967E+22
-1258	2,300508E+22	2,491122E+22	2,573469E+22	2,573491E+22	2,491194E+22	2,300598E+22	2,009043E+22	1,694660E+22	1,485412E+22	1,485395E+22	1,694621E+22	2,009021E+22
-1257	2,300625E+22	2,491240E+22	2,573530E+22	2,573525E+22	2,491214E+22	2,300576E+22	2,008980E+22	1,694586E+22	1,485357E+22	1,485377E+22	1,694633E+22	2,009013E+22
-1256	2,300554E+22	2,491136E+22	2,573417E+22	2,573433E+22	2,491186E+22	2,300606E+22	2,009027E+22	1,694609E+22	1,485338E+22	1,485323E+22	1,694567E+22	2,008962E+22
-1255	2,300516E+22	2,491129E+22	2,573477E+22	2,573503E+22	2,491224E+22	2,300621E+22	2,009028E+22	1,694600E+22	1,485331E+22	1,485328E+22	1,694602E+22	2,009056E+22
-1254	2,300656E+22	2,491220E+22	2,573478E+22	2,573454E+22	2,491159E+22	2,300570E+22	2,008998E+22	1,694579E+22	1,485308E+22	1,485309E+22	1,694563E+22	2,008965E+22
-1253	2,300540E+22	2,491126E+22	2,573407E+22	2,573425E+22	2,491166E+22	2,300593E+22	2,009030E+22	1,694611E+22	1,485329E+22	1,485305E+22	1,694547E+22	2,008951E+22
-1252	2,300555E+22	2,491220E+22	2,573545E+22	2,573518E+22	2,491198E+22	2,300565E+22	2,008972E+22	1,694566E+22	1,485321E+22	1,485336E+22	1,694618E+22	2,009052E+22
-1251	2,300626E+22	2,491204E+22	2,573472E+22	2,573441E+22	2,491148E+22	2,300551E+22	2,008971E+22	1,694564E+22	1,485320E+22	1,485335E+22	1,694585E+22	2,008965E+22
-1250	2,300503E+22	2,491084E+22	2,573423E+22	2,573474E+22	2,491202E+22	2,300605E+22	2,009027E+22	1,694617E+22	1,485358E+22	1,485353E+22	1,694604E+22	2,009022E+22
-1249	2,300628E+22	2,491234E+22	2,573510E+22	2,573509E+22	2,491215E+22	2,300587E+22	2,008991E+22	1,694589E+22	1,485355E+22	1,485378E+22	1,694649E+22	2,009052E+22
-1248	2,300603E+22	2,491174E+22	2,573423E+22	2,573399E+22	2,491142E+22	2,300586E+22	2,009042E+22	1,694653E+22	1,485400E+22	1,485383E+22	1,694603E+22	2,008972E+22
-1247	2,300513E+22	2,491120E+22	2,573462E+22	2,573471E+22	2,491179E+22	2,300600E+22	2,009062E+22	1,694697E+22	1,485464E+22	1,485450E+22	1,694664E+22	2,009053E+22
-1246	2,300636E+22	2,491222E+22	2,573498E+22	2,573472E+22	2,491151E+22	2,300554E+22	2,009024E+22	1,694683E+22	1,485479E+22	1,485490E+22	1,694694E+22	2,009011E+22
-1245	2,300518E+22	2,491088E+22	2,573377E+22	2,573403E+22	2,491150E+22	2,300591E+22	2,009073E+22	1,694733E+22	1,485518E+22	1,485505E+22	1,694691E+22	2,009003E+22
-1244	2,300512E+22	2,491127E+22	2,573471E+22	2,573478E+22	2,491182E+22	2,300586E+22	2,009047E+22	1,694710E+22	1,485517E+22	1,485531E+22	1,694758E+22	2,009125E+22
-1243	2,300645E+22	2,491174E+22	2,573424E+22	2,573402E+22	2,491116E+22	2,300552E+22	2,009036E+22	1,694701E+22	1,485507E+22	1,485522E+22	1,694720E+22	2,009032E+22
-1242	2,300523E+22	2,491066E+22	2,573359E+22	2,573392E+22	2,491139E+22	2,300591E+22	2,009086E+22	1,694747E+22	1,485527E+22	1,485506E+22	1,694696E+22	2,009039E+22
-1241	2,300602E+22	2,491219E+22	2,573506E+22	2,573477E+22	2,491166E+22	2,300563E+22	2,009025E+22	1,694687E+22	1,485490E+22	1,485503E+22	1,694725E+22	2,009078E+22
-1240	2,300601E+22	2,491174E+22	2,573448E+22	2,573414E+22	2,491119E+22	2,300552E+22	2,009033E+22	1,694690E+22	1,485475E+22	1,485465E+22	1,694657E+22	2,008983E+22
-1239	2,300488E+22	2,491068E+22	2,573426E+22	2,573472E+22	2,491187E+22	2,300594E+22	2,009047E+22	1,694688E+22	1,485468E+22	1,485461E+22	1,694673E+22	2,009045E+22
-1238	2,300623E+22	2,491210E+22	2,573484E+22	2,573484E+22	2,491186E+22	2,300576E+22	2,009010E+22	1,694632E+22	1,485411E+22	1,485431E+22	1,694671E+22	2,009026E+22
-1237	2,300548E+22	2,491112E+22	2,573378E+22	2,573388E+22	2,491151E+22	2,300603E+22	2,009057E+22	1,694663E+22	1,485404E+22	1,485383E+22	1,694605E+22	2,008974E+22

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	2,300516E+22	2,491129E+22	2,573469E+22	2,573468E+22	2,491174E+22	2,300588E+22	2,009032E+22	1,694643E+22	1,485394E+22	1,485385E+22	1,694633E+22	2,009060E+22
-1235	2,300653E+22	2,491223E+22	2,573485E+22	2,573450E+22	2,491132E+22	2,300539E+22	2,008989E+22	1,694609E+22	1,485378E+22	1,485390E+22	1,694618E+22	2,008971E+22
-1234	2,300514E+22	2,491091E+22	2,573387E+22	2,573419E+22	2,491156E+22	2,300579E+22	2,009031E+22	1,694647E+22	1,485398E+22	1,485385E+22	1,694608E+22	2,008977E+22
-1233	2,300551E+22	2,491194E+22	2,573510E+22	2,573503E+22	2,491204E+22	2,300577E+22	2,008988E+22	1,694600E+22	1,485377E+22	1,485400E+22	1,694665E+22	2,009068E+22
-1232	2,300614E+22	2,491183E+22	2,573460E+22	2,573432E+22	2,491140E+22	2,300562E+22	2,009006E+22	1,694619E+22	1,485386E+22	1,485392E+22	1,694626E+22	2,008995E+22
-1231	2,300513E+22	2,491057E+22	2,573383E+22	2,573435E+22	2,491171E+22	2,300594E+22	2,009049E+22	1,694675E+22	1,485437E+22	1,485424E+22	1,694644E+22	2,009031E+22
-1230	2,300631E+22	2,491232E+22	2,573491E+22	2,573467E+22	2,491167E+22	2,300571E+22	2,009026E+22	1,694665E+22	1,485448E+22	1,485459E+22	1,694687E+22	2,009040E+22
-1229	2,300569E+22	2,491148E+22	2,573412E+22	2,573386E+22	2,491111E+22	2,300569E+22	2,009065E+22	1,694723E+22	1,485502E+22	1,485484E+22	1,694666E+22	2,008976E+22
-1228	2,300476E+22	2,491083E+22	2,573445E+22	2,573460E+22	2,491156E+22	2,300571E+22	2,009059E+22	1,694741E+22	1,485547E+22	1,485541E+22	1,694734E+22	2,009076E+22
-1227	2,300618E+22	2,491187E+22	2,573467E+22	2,573454E+22	2,491140E+22	2,300545E+22	2,009023E+22	1,694711E+22	1,485549E+22	1,485582E+22	1,694772E+22	2,009049E+22
-1226	2,300510E+22	2,491043E+22	2,573322E+22	2,573358E+22	2,491121E+22	2,300586E+22	2,009093E+22	1,694776E+22	1,485583E+22	1,485576E+22	1,694750E+22	2,009043E+22
-1225	2,300536E+22	2,491122E+22	2,573430E+22	2,573436E+22	2,491158E+22	2,300582E+22	2,009068E+22	1,694757E+22	1,485578E+22	1,485585E+22	1,694786E+22	2,009128E+22
-1224	2,300645E+22	2,491188E+22	2,573438E+22	2,573394E+22	2,491089E+22	2,300537E+22	2,009055E+22	1,694756E+22	1,485577E+22	1,485576E+22	1,694746E+22	2,009039E+22
-1223	2,300515E+22	2,491048E+22	2,573349E+22	2,573387E+22	2,491117E+22	2,300565E+22	2,009084E+22	1,694786E+22	1,485596E+22	1,485575E+22	1,694735E+22	2,009038E+22
-1222	2,300582E+22	2,491201E+22	2,573494E+22	2,573472E+22	2,491157E+22	2,300561E+22	2,009045E+22	1,694731E+22	1,485552E+22	1,485567E+22	1,694767E+22	2,009079E+22
-1221	2,300565E+22	2,491129E+22	2,573419E+22	2,573405E+22	2,491119E+22	2,300567E+22	2,009062E+22	1,694733E+22	1,485534E+22	1,485528E+22	1,694707E+22	2,009000E+22
-1220	2,300472E+22	2,491036E+22	2,573390E+22	2,573443E+22	2,491165E+22	2,300590E+22	2,009067E+22	1,694728E+22	1,485518E+22	1,485510E+22	1,694710E+22	2,009065E+22
-1219	2,300630E+22	2,491204E+22	2,573459E+22	2,573453E+22	2,491161E+22	2,300567E+22	2,009021E+22	1,694669E+22	1,485473E+22	1,485496E+22	1,694712E+22	2,009037E+22
-1218	2,300541E+22	2,491095E+22	2,573347E+22	2,573344E+22	2,491105E+22	2,300581E+22	2,009072E+22	1,694713E+22	1,485477E+22	1,485453E+22	1,694649E+22	2,008984E+22
-1217	2,300513E+22	2,491123E+22	2,573452E+22	2,573454E+22	2,491152E+22	2,300565E+22	2,009035E+22	1,694685E+22	1,485464E+22	1,485456E+22	1,694677E+22	2,009060E+22
-1216	2,300629E+22	2,491208E+22	2,573487E+22	2,573458E+22	2,491124E+22	2,300522E+22	2,008989E+22	1,694646E+22	1,485443E+22	1,485456E+22	1,694672E+22	2,009005E+22
-1215	2,300506E+22	2,491046E+22	2,573341E+22	2,573394E+22	2,491141E+22	2,300567E+22	2,009031E+22	1,694674E+22	1,485455E+22	1,485452E+22	1,694664E+22	2,009008E+22
-1214	2,300560E+22	2,491179E+22	2,573477E+22	2,573467E+22	2,491173E+22	2,300577E+22	2,009022E+22	1,694652E+22	1,485437E+22	1,485457E+22	1,694703E+22	2,009079E+22
-1213	2,300606E+22	2,491169E+22	2,573438E+22	2,573405E+22	2,491111E+22	2,300559E+22	2,009040E+22	1,694684E+22	1,485465E+22	1,485461E+22	1,694663E+22	2,008994E+22
-1212	2,300498E+22	2,491056E+22	2,573378E+22	2,573412E+22	2,491132E+22	2,300569E+22	2,009064E+22	1,694734E+22	1,485522E+22	1,485501E+22	1,694683E+22	2,009025E+22
-1211	2,300604E+22	2,491218E+22	2,573490E+22	2,573469E+22	2,491153E+22	2,300551E+22	2,009026E+22	1,694711E+22	1,485540E+22	1,485561E+22	1,694750E+22	2,009043E+22
-1210	2,300528E+22	2,491093E+22	2,573370E+22	2,573367E+22	2,491102E+22	2,300564E+22	2,009081E+22	1,694776E+22	1,485590E+22	1,485581E+22	1,694742E+22	2,009009E+22
-1209	2,300467E+22	2,491041E+22	2,573389E+22	2,573431E+22	2,491151E+22	2,300578E+22	2,009082E+22	1,694788E+22	1,485618E+22	1,485618E+22	1,694794E+22	2,009106E+22
-1208	2,300613E+22	2,491163E+22	2,573439E+22	2,573429E+22	2,491120E+22	2,300544E+22	2,009053E+22	1,694769E+22	1,485619E+22	1,485643E+22	1,694822E+22	2,009094E+22
-1207	2,300530E+22	2,491026E+22	2,573280E+22	2,573311E+22	2,491080E+22	2,300565E+22	2,009105E+22	1,694826E+22	1,485656E+22	1,485644E+22	1,694793E+22	2,009061E+22
-1206	2,300550E+22	2,491138E+22	2,573428E+22	2,573402E+22	2,491106E+22	2,300559E+22	2,009093E+22	1,694814E+22	1,485652E+22	1,485652E+22	1,694820E+22	2,009120E+22
-1205	2,300616E+22	2,491174E+22	2,573444E+22	2,573401E+22	2,491074E+22	2,300521E+22	2,009067E+22	1,694806E+22	1,485655E+22	1,485653E+22	1,694794E+22	2,009037E+22
-1204	2,300484E+22	2,491025E+22	2,573339E+22	2,573387E+22	2,491112E+22	2,300550E+22	2,009080E+22	1,694815E+22	1,485655E+22	1,485641E+22	1,694784E+22	2,009052E+22
-1203	2,300560E+22	2,491167E+22	2,573464E+22	2,573460E+22	2,491158E+22	2,300566E+22	2,009050E+22	1,694755E+22	1,485606E+22	1,485632E+22	1,694816E+22	2,009099E+22
-1202	2,300551E+22	2,491088E+22	2,573365E+22	2,573363E+22	2,491097E+22	2,300570E+22	2,009092E+22	1,694782E+22	1,485591E+22	1,485582E+22	1,694747E+22	2,009026E+22
-1201	2,300486E+22	2,491027E+22	2,573347E+22	2,573398E+22	2,491133E+22	2,300577E+22	2,009088E+22	1,694777E+22	1,485577E+22	1,485557E+22	1,694732E+22	2,009061E+22

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	2,300615E+22	2,491204E+22	2,573463E+22	2,573440E+22	2,491127E+22	2,300542E+22	2,009034E+22	1,694721E+22	1,485541E+22	1,485551E+22	1,694746E+22	2,009051E+22
-1199	2,300528E+22	2,491072E+22	2,573330E+22	2,573332E+22	2,491078E+22	2,300544E+22	2,009058E+22	1,694744E+22	1,485544E+22	1,485528E+22	1,694699E+22	2,008996E+22
-1198	2,300499E+22	2,491109E+22	2,573438E+22	2,573437E+22	2,491130E+22	2,300552E+22	2,009045E+22	1,694719E+22	1,485523E+22	1,485523E+22	1,694727E+22	2,009074E+22
-1197	2,300603E+22	2,491174E+22	2,573464E+22	2,573451E+22	2,491123E+22	2,300530E+22	2,009012E+22	1,694688E+22	1,485505E+22	1,485521E+22	1,694722E+22	2,009027E+22
-1196	2,300503E+22	2,491033E+22	2,573314E+22	2,573370E+22	2,491122E+22	2,300559E+22	2,009048E+22	1,694718E+22	1,485515E+22	1,485508E+22	1,694701E+22	2,009024E+22
-1195	2,300561E+22	2,491175E+22	2,573460E+22	2,573445E+22	2,491155E+22	2,300572E+22	2,009039E+22	1,694704E+22	1,485516E+22	1,485532E+22	1,694742E+22	2,009079E+22
-1194	2,300585E+22	2,491145E+22	2,573413E+22	2,573376E+22	2,491081E+22	2,300548E+22	2,009069E+22	1,694754E+22	1,485559E+22	1,485550E+22	1,694716E+22	2,009002E+22
-1193	2,300477E+22	2,491028E+22	2,573349E+22	2,573399E+22	2,491119E+22	2,300554E+22	2,009080E+22	1,694794E+22	1,485613E+22	1,485593E+22	1,694743E+22	2,009033E+22
-1192	2,300565E+22	2,491177E+22	2,573468E+22	2,573464E+22	2,491148E+22	2,300546E+22	2,009041E+22	1,694763E+22	1,485622E+22	1,485646E+22	1,694824E+22	2,009093E+22
-1191	2,300523E+22	2,491042E+22	2,573306E+22	2,573319E+22	2,491072E+22	2,300550E+22	2,009088E+22	1,694818E+22	1,485665E+22	1,485665E+22	1,694811E+22	2,009054E+22
-1190	2,300488E+22	2,491035E+22	2,573350E+22	2,573373E+22	2,491098E+22	2,300564E+22	2,009114E+22	1,694845E+22	1,485687E+22	1,485683E+22	1,694839E+22	2,009128E+22
-1189	2,300618E+22	2,491164E+22	2,573427E+22	2,573400E+22	2,491083E+22	2,300526E+22	2,009076E+22	1,694830E+22	1,485699E+22	1,485711E+22	1,694858E+22	2,009097E+22
-1188	2,300527E+22	2,491041E+22	2,573291E+22	2,573300E+22	2,491046E+22	2,300531E+22	2,009105E+22	1,694870E+22	1,485727E+22	1,485711E+22	1,694826E+22	2,009057E+22
-1187	2,300529E+22	2,491133E+22	2,573442E+22	2,573421E+22	2,491108E+22	2,300544E+22	2,009086E+22	1,694846E+22	1,485724E+22	1,485731E+22	1,694866E+22	2,009118E+22
-1186	2,300576E+22	2,491127E+22	2,573413E+22	2,573393E+22	2,491081E+22	2,300531E+22	2,009087E+22	1,694847E+22	1,485719E+22	1,485724E+22	1,694846E+22	2,009056E+22
-1185	2,300466E+22	2,490983E+22	2,573292E+22	2,573367E+22	2,491117E+22	2,300565E+22	2,009109E+22	1,694858E+22	1,485710E+22	1,485696E+22	1,694822E+22	2,009066E+22
-1184	2,300542E+22	2,491137E+22	2,573434E+22	2,573437E+22	2,491146E+22	2,300569E+22	2,009080E+22	1,694808E+22	1,485665E+22	1,485678E+22	1,694850E+22	2,009128E+22
-1183	2,300555E+22	2,491061E+22	2,573314E+22	2,573305E+22	2,491051E+22	2,300545E+22	2,009101E+22	1,694829E+22	1,485661E+22	1,485646E+22	1,694784E+22	2,009038E+22
-1182	2,300489E+22	2,491034E+22	2,573338E+22	2,573355E+22	2,491074E+22	2,300546E+22	2,009104E+22	1,694827E+22	1,485647E+22	1,485624E+22	1,694771E+22	2,009063E+22
-1181	2,300588E+22	2,491182E+22	2,573460E+22	2,573439E+22	2,491106E+22	2,300513E+22	2,009031E+22	1,694761E+22	1,485612E+22	1,485628E+22	1,694799E+22	2,009064E+22
-1180	2,300511E+22	2,491055E+22	2,573316E+22	2,573323E+22	2,491067E+22	2,300523E+22	2,009044E+22	1,694759E+22	1,485593E+22	1,485591E+22	1,694753E+22	2,009025E+22
-1179	2,300496E+22	2,491091E+22	2,573418E+22	2,573425E+22	2,491129E+22	2,300551E+22	2,009042E+22	1,694738E+22	1,485573E+22	1,485583E+22	1,694770E+22	2,009095E+22
-1178	2,300600E+22	2,491147E+22	2,573423E+22	2,573416E+22	2,491107E+22	2,300536E+22	2,009043E+22	1,694740E+22	1,485566E+22	1,485577E+22	1,694757E+22	2,009044E+22
-1177	2,300510E+22	2,491027E+22	2,573288E+22	2,573344E+22	2,491103E+22	2,300554E+22	2,009077E+22	1,694781E+22	1,485591E+22	1,485569E+22	1,694726E+22	2,009015E+22
-1176	2,300531E+22	2,491160E+22	2,573462E+22	2,573443E+22	2,491139E+22	2,300561E+22	2,009065E+22	1,694772E+22	1,485605E+22	1,485606E+22	1,694785E+22	2,009090E+22
-1175	2,300556E+22	2,491102E+22	2,573377E+22	2,573353E+22	2,491061E+22	2,300527E+22	2,009076E+22	1,694809E+22	1,485653E+22	1,485649E+22	1,694785E+22	2,009024E+22
-1174	2,300460E+22	2,491000E+22	2,573315E+22	2,573358E+22	2,491085E+22	2,300549E+22	2,009107E+22	1,694848E+22	1,485694E+22	1,485681E+22	1,694812E+22	2,009062E+22
-1173	2,300545E+22	2,491134E+22	2,573430E+22	2,573434E+22	2,491127E+22	2,300544E+22	2,009069E+22	1,694822E+22	1,485704E+22	1,485730E+22	1,694887E+22	2,009127E+22
-1172	2,300536E+22	2,491039E+22	2,573278E+22	2,573278E+22	2,491035E+22	2,300526E+22	2,009097E+22	1,694864E+22	1,485736E+22	1,485736E+22	1,694859E+22	2,009080E+22
-1171	2,300503E+22	2,491047E+22	2,573345E+22	2,573348E+22	2,491068E+22	2,300540E+22	2,009112E+22	1,694890E+22	1,485769E+22	1,485761E+22	1,694878E+22	2,009129E+22
-1170	2,300603E+22	2,491153E+22	2,573422E+22	2,573388E+22	2,491060E+22	2,300510E+22	2,009093E+22	1,694888E+22	1,485784E+22	1,485792E+22	1,694905E+22	2,009102E+22
-1169	2,300505E+22	2,491017E+22	2,573282E+22	2,573310E+22	2,491048E+22	2,300518E+22	2,009111E+22	1,694915E+22	1,485801E+22	1,485784E+22	1,694872E+22	2,009057E+22
-1168	2,300484E+22	2,491084E+22	2,573422E+22	2,573426E+22	2,491122E+22	2,300555E+22	2,009104E+22	1,694888E+22	1,485785E+22	1,485793E+22	1,694918E+22	2,009150E+22
-1167	2,300561E+22	2,491071E+22	2,573350E+22	2,573349E+22	2,491064E+22	2,300533E+22	2,009105E+22	1,694886E+22	1,485779E+22	1,485788E+22	1,694896E+22	2,009086E+22
-1166	2,300476E+22	2,490972E+22	2,573249E+22	2,573298E+22	2,491064E+22	2,300559E+22	2,009144E+22	1,694911E+22	1,485770E+22	1,485748E+22	1,694854E+22	2,009075E+22
-1165	2,300535E+22	2,491123E+22	2,573414E+22	2,573400E+22	2,491107E+22	2,300551E+22	2,009098E+22	1,694862E+22	1,485737E+22	1,485741E+22	1,694880E+22	2,009128E+22

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	2,300552E+22	2,491068E+22	2,573315E+22	2,573285E+22	2,491010E+22	2,300502E+22	2,009086E+22	1,694858E+22	1,485724E+22	1,485711E+22	1,694822E+22	2,009044E+22
-1163	2,300478E+22	2,491026E+22	2,573344E+22	2,573362E+22	2,491068E+22	2,300518E+22	2,009079E+22	1,694844E+22	1,485708E+22	1,485695E+22	1,694818E+22	2,009073E+22
-1162	2,300564E+22	2,491145E+22	2,573436E+22	2,573429E+22	2,491108E+22	2,300519E+22	2,009044E+22	1,694792E+22	1,485665E+22	1,485689E+22	1,694849E+22	2,009091E+22
-1161	2,300509E+22	2,491026E+22	2,573288E+22	2,573313E+22	2,491071E+22	2,300533E+22	2,009067E+22	1,694798E+22	1,485642E+22	1,485637E+22	1,694784E+22	2,009038E+22
-1160	2,300488E+22	2,491072E+22	2,573401E+22	2,573413E+22	2,491128E+22	2,300565E+22	2,009078E+22	1,694794E+22	1,485633E+22	1,485630E+22	1,694799E+22	2,009112E+22
-1159	2,300598E+22	2,491127E+22	2,573387E+22	2,573369E+22	2,491074E+22	2,300526E+22	2,009067E+22	1,694801E+22	1,485651E+22	1,485653E+22	1,694796E+22	2,009046E+22
-1158	2,300499E+22	2,491024E+22	2,573281E+22	2,573302E+22	2,491053E+22	2,300537E+22	2,009108E+22	1,694850E+22	1,485685E+22	1,485659E+22	1,694778E+22	2,009015E+22
-1157	2,300490E+22	2,491113E+22	2,573442E+22	2,573434E+22	2,491124E+22	2,300545E+22	2,009077E+22	1,694833E+22	1,485704E+22	1,485708E+22	1,694854E+22	2,009108E+22
-1156	2,300537E+22	2,491067E+22	2,573338E+22	2,573321E+22	2,491037E+22	2,300506E+22	2,009072E+22	1,694845E+22	1,485729E+22	1,485739E+22	1,694860E+22	2,009067E+22
-1155	2,300467E+22	2,490980E+22	2,573286E+22	2,573326E+22	2,491061E+22	2,300532E+22	2,009105E+22	1,694885E+22	1,485766E+22	1,485761E+22	1,694871E+22	2,009097E+22
-1154	2,300556E+22	2,491116E+22	2,573393E+22	2,573386E+22	2,491088E+22	2,300531E+22	2,009092E+22	1,694878E+22	1,485779E+22	1,485799E+22	1,694933E+22	2,009149E+22
-1153	2,300547E+22	2,491041E+22	2,573274E+22	2,573264E+22	2,491009E+22	2,300506E+22	2,009110E+22	1,694917E+22	1,485812E+22	1,485801E+22	1,694888E+22	2,009073E+22
-1152	2,300480E+22	2,491040E+22	2,573364E+22	2,573365E+22	2,491066E+22	2,300531E+22	2,009125E+22	1,694941E+22	1,485843E+22	1,485830E+22	1,694920E+22	2,009134E+22
-1151	2,300572E+22	2,491109E+22	2,573390E+22	2,573375E+22	2,491058E+22	2,300506E+22	2,009100E+22	1,694932E+22	1,485862E+22	1,485876E+22	1,694962E+22	2,009115E+22
-1150	2,300483E+22	2,490984E+22	2,573251E+22	2,573275E+22	2,491034E+22	2,300535E+22	2,009148E+22	1,694964E+22	1,485868E+22	1,485856E+22	1,694925E+22	2,009076E+22
-1149	2,300458E+22	2,491028E+22	2,573377E+22	2,573398E+22	2,491109E+22	2,300564E+22	2,009140E+22	1,694947E+22	1,485857E+22	1,485860E+22	1,694961E+22	2,009168E+22
-1148	2,300567E+22	2,491056E+22	2,573308E+22	2,573297E+22	2,491022E+22	2,300513E+22	2,009116E+22	1,694930E+22	1,485842E+22	1,485849E+22	1,694936E+22	2,009105E+22
-1147	2,300487E+22	2,490979E+22	2,573241E+22	2,573261E+22	2,491018E+22	2,300525E+22	2,009137E+22	1,694948E+22	1,485840E+22	1,485816E+22	1,694889E+22	2,009078E+22
-1146	2,300522E+22	2,491108E+22	2,573404E+22	2,573376E+22	2,491070E+22	2,300523E+22	2,009102E+22	1,694905E+22	1,485806E+22	1,485813E+22	1,694928E+22	2,009139E+22
-1145	2,300540E+22	2,491046E+22	2,573311E+22	2,573295E+22	2,491008E+22	2,300481E+22	2,009075E+22	1,694882E+22	1,485777E+22	1,485773E+22	1,694866E+22	2,009056E+22
-1144	2,300458E+22	2,490996E+22	2,573333E+22	2,573369E+22	2,491082E+22	2,300528E+22	2,009087E+22	1,694866E+22	1,485748E+22	1,485742E+22	1,694863E+22	2,009105E+22
-1143	2,300564E+22	2,491109E+22	2,573387E+22	2,573390E+22	2,491094E+22	2,300524E+22	2,009064E+22	1,694829E+22	1,485718E+22	1,485742E+22	1,694886E+22	2,009112E+22
-1142	2,300522E+22	2,491029E+22	2,573268E+22	2,573260E+22	2,491030E+22	2,300536E+22	2,009109E+22	1,694857E+22	1,485707E+22	1,485690E+22	1,694809E+22	2,009035E+22
-1141	2,300467E+22	2,491048E+22	2,573391E+22	2,573393E+22	2,491101E+22	2,300558E+22	2,009110E+22	1,694865E+22	1,485723E+22	1,485706E+22	1,694830E+22	2,009097E+22
-1140	2,300577E+22	2,491117E+22	2,573380E+22	2,573352E+22	2,491043E+22	2,300497E+22	2,009067E+22	1,694849E+22	1,485737E+22	1,485743E+22	1,694853E+22	2,009054E+22
-1139	2,300476E+22	2,490997E+22	2,573268E+22	2,573290E+22	2,491038E+22	2,300514E+22	2,009096E+22	1,694888E+22	1,485772E+22	1,485755E+22	1,694845E+22	2,009035E+22
-1138	2,300466E+22	2,491061E+22	2,573395E+22	2,573401E+22	2,491109E+22	2,300547E+22	2,009098E+22	1,694883E+22	1,485781E+22	1,485796E+22	1,694926E+22	2,009150E+22
-1137	2,300544E+22	2,491035E+22	2,573303E+22	2,573299E+22	2,491018E+22	2,300495E+22	2,009087E+22	1,694891E+22	1,485797E+22	1,485808E+22	1,694909E+22	2,009094E+22
-1136	2,300473E+22	2,490967E+22	2,573268E+22	2,573305E+22	2,491044E+22	2,300528E+22	2,009127E+22	1,694937E+22	1,485834E+22	1,485823E+22	1,694916E+22	2,009121E+22
-1135	2,300560E+22	2,491105E+22	2,573369E+22	2,573348E+22	2,491051E+22	2,300514E+22	2,009109E+22	1,694936E+22	1,485864E+22	1,485882E+22	1,694979E+22	2,009155E+22
-1134	2,300538E+22	2,491041E+22	2,573280E+22	2,573239E+22	2,490972E+22	2,300494E+22	2,009136E+22	1,694976E+22	1,485897E+22	1,485885E+22	1,694938E+22	2,009072E+22
-1133	2,300438E+22	2,490991E+22	2,573345E+22	2,573368E+22	2,491071E+22	2,300533E+22	2,009144E+22	1,694996E+22	1,485930E+22	1,485919E+22	1,694975E+22	2,009141E+22
-1132	2,300553E+22	2,491075E+22	2,573348E+22	2,573343E+22	2,491044E+22	2,300503E+22	2,009109E+22	1,694966E+22	1,485926E+22	1,485951E+22	1,695020E+22	2,009145E+22
-1131	2,300485E+22	2,490959E+22	2,573215E+22	2,573235E+22	2,491004E+22	2,300523E+22	2,009157E+22	1,695006E+22	1,485935E+22	1,485920E+22	1,694967E+22	2,009097E+22
-1130	2,300461E+22	2,491003E+22	2,573333E+22	2,573345E+22	2,491067E+22	2,300553E+22	2,009166E+22	1,695004E+22	1,485926E+22	1,485921E+22	1,694998E+22	2,009180E+22
-1129	2,300570E+22	2,491050E+22	2,573304E+22	2,573282E+22	2,490985E+22	2,300481E+22	2,009119E+22	1,694973E+22	1,485906E+22	1,485907E+22	1,694964E+22	2,009100E+22

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	2,300470E+22	2,490971E+22	2,573255E+22	2,573276E+22	2,491011E+22	2,300507E+22	2,009134E+22	1,694978E+22	1,485893E+22	1,485875E+22	1,694934E+22	2,009090E+22
-1127	2,300504E+22	2,491076E+22	2,573378E+22	2,573362E+22	2,491062E+22	2,300513E+22	2,009100E+22	1,694930E+22	1,485863E+22	1,485881E+22	1,694980E+22	2,009158E+22
-1126	2,300532E+22	2,491031E+22	2,573296E+22	2,573269E+22	2,490995E+22	2,300498E+22	2,009104E+22	1,694916E+22	1,485825E+22	1,485826E+22	1,694908E+22	2,009072E+22
-1125	2,300444E+22	2,490959E+22	2,573305E+22	2,573357E+22	2,491081E+22	2,300542E+22	2,009121E+22	1,694919E+22	1,485810E+22	1,485797E+22	1,694890E+22	2,009108E+22
-1124	2,300570E+22	2,491103E+22	2,573355E+22	2,573350E+22	2,491064E+22	2,300515E+22	2,009081E+22	1,694876E+22	1,485784E+22	1,485802E+22	1,694918E+22	2,009117E+22
-1123	2,300520E+22	2,491030E+22	2,573267E+22	2,573238E+22	2,490993E+22	2,300510E+22	2,009115E+22	1,694911E+22	1,485793E+22	1,485769E+22	1,694850E+22	2,009032E+22
-1122	2,300440E+22	2,491010E+22	2,573365E+22	2,573371E+22	2,491070E+22	2,300536E+22	2,009124E+22	1,694924E+22	1,485812E+22	1,485799E+22	1,694894E+22	2,009109E+22
-1121	2,300547E+22	2,491067E+22	2,573355E+22	2,573350E+22	2,491032E+22	2,300479E+22	2,009066E+22	1,694886E+22	1,485810E+22	1,485828E+22	1,694920E+22	2,009082E+22
-1120	2,300461E+22	2,490959E+22	2,573238E+22	2,573277E+22	2,491033E+22	2,300516E+22	2,009106E+22	1,694919E+22	1,485827E+22	1,485825E+22	1,694913E+22	2,009082E+22
-1119	2,300478E+22	2,491031E+22	2,573336E+22	2,573339E+22	2,491067E+22	2,300535E+22	2,009116E+22	1,694929E+22	1,485850E+22	1,485867E+22	1,694980E+22	2,009181E+22
-1118	2,300568E+22	2,491048E+22	2,573287E+22	2,573246E+22	2,490969E+22	2,300488E+22	2,009118E+22	1,694950E+22	1,485872E+22	1,485873E+22	1,694945E+22	2,009098E+22
-1117	2,300463E+22	2,490958E+22	2,573270E+22	2,573298E+22	2,491022E+22	2,300514E+22	2,009149E+22	1,695003E+22	1,485925E+22	1,485903E+22	1,694948E+22	2,009108E+22
-1116	2,300543E+22	2,491096E+22	2,573365E+22	2,573341E+22	2,491032E+22	2,300493E+22	2,009112E+22	1,694983E+22	1,485947E+22	1,485968E+22	1,695033E+22	2,009160E+22
-1115	2,300512E+22	2,491014E+22	2,573272E+22	2,573240E+22	2,490968E+22	2,300486E+22	2,009140E+22	1,695022E+22	1,485980E+22	1,485971E+22	1,694996E+22	2,009085E+22
-1114	2,300409E+22	2,490932E+22	2,573294E+22	2,573338E+22	2,491060E+22	2,300547E+22	2,009181E+22	1,695054E+22	1,486006E+22	1,485998E+22	1,695035E+22	2,009166E+22
-1113	2,300543E+22	2,491034E+22	2,573311E+22	2,573320E+22	2,491024E+22	2,300499E+22	2,009133E+22	1,695018E+22	1,485993E+22	1,486013E+22	1,695063E+22	2,009163E+22
-1112	2,300487E+22	2,490947E+22	2,573193E+22	2,573207E+22	2,490978E+22	2,300516E+22	2,009176E+22	1,695054E+22	1,485997E+22	1,485980E+22	1,695010E+22	2,009114E+22
-1111	2,300461E+22	2,490992E+22	2,573304E+22	2,573299E+22	2,491014E+22	2,300522E+22	2,009175E+22	1,695054E+22	1,486004E+22	1,485997E+22	1,695045E+22	2,009190E+22
-1110	2,300564E+22	2,491051E+22	2,573305E+22	2,573262E+22	2,490951E+22	2,300460E+22	2,009125E+22	1,695013E+22	1,485974E+22	1,485978E+22	1,695014E+22	2,009109E+22
-1109	2,300440E+22	2,490931E+22	2,573240E+22	2,573286E+22	2,491019E+22	2,300504E+22	2,009139E+22	1,695011E+22	1,485955E+22	1,485942E+22	1,694980E+22	2,009105E+22
-1108	2,300502E+22	2,491057E+22	2,573345E+22	2,573339E+22	2,491050E+22	2,300511E+22	2,009104E+22	1,694950E+22	1,485905E+22	1,485934E+22	1,695027E+22	2,009186E+22
-1107	2,300542E+22	2,491023E+22	2,573276E+22	2,573242E+22	2,490969E+22	2,300486E+22	2,009115E+22	1,694954E+22	1,485879E+22	1,485871E+22	1,694933E+22	2,009079E+22
-1106	2,300440E+22	2,490940E+22	2,573272E+22	2,573319E+22	2,491051E+22	2,300540E+22	2,009153E+22	1,694979E+22	1,485880E+22	1,485855E+22	1,694919E+22	2,009102E+22
-1105	2,300550E+22	2,491087E+22	2,573355E+22	2,573348E+22	2,491038E+22	2,300491E+22	2,009090E+22	1,694925E+22	1,485855E+22	1,485867E+22	1,694950E+22	2,009106E+22
-1104	2,300489E+22	2,491002E+22	2,573259E+22	2,573246E+22	2,490988E+22	2,300499E+22	2,009120E+22	1,694950E+22	1,485859E+22	1,485845E+22	1,694910E+22	2,009049E+22
-1103	2,300415E+22	2,490962E+22	2,573313E+22	2,573336E+22	2,491049E+22	2,300529E+22	2,009135E+22	1,694967E+22	1,485887E+22	1,485885E+22	1,694965E+22	2,009144E+22
-1102	2,300545E+22	2,491044E+22	2,573317E+22	2,573302E+22	2,491001E+22	2,300484E+22	2,009095E+22	1,694934E+22	1,485876E+22	1,485899E+22	1,694979E+22	2,009114E+22
-1101	2,300460E+22	2,490930E+22	2,573204E+22	2,573252E+22	2,491014E+22	2,300515E+22	2,009136E+22	1,694978E+22	1,485903E+22	1,485895E+22	1,694952E+22	2,009098E+22
-1100	2,300499E+22	2,491043E+22	2,573313E+22	2,573296E+22	2,491022E+22	2,300511E+22	2,009126E+22	1,694978E+22	1,485926E+22	1,485941E+22	1,695023E+22	2,009191E+22
-1099	2,300569E+22	2,491060E+22	2,573301E+22	2,573236E+22	2,490931E+22	2,300453E+22	2,009121E+22	1,695008E+22	1,485964E+22	1,485957E+22	1,694989E+22	2,009094E+22
-1098	2,300432E+22	2,490926E+22	2,573255E+22	2,573296E+22	2,491010E+22	2,300505E+22	2,009169E+22	1,695066E+22	1,486020E+22	1,485998E+22	1,695011E+22	2,009114E+22
-1097	2,300502E+22	2,491045E+22	2,573344E+22	2,573349E+22	2,491035E+22	2,300490E+22	2,009123E+22	1,695028E+22	1,486023E+22	1,486049E+22	1,695093E+22	2,009181E+22
-1096	2,300492E+22	2,490970E+22	2,573234E+22	2,573226E+22	2,490968E+22	2,300499E+22	2,009168E+22	1,695066E+22	1,486039E+22	1,486041E+22	1,695060E+22	2,009122E+22
-1095	2,300411E+22	2,490896E+22	2,573226E+22	2,573272E+22	2,491015E+22	2,300538E+22	2,009210E+22	1,695113E+22	1,486081E+22	1,486069E+22	1,695087E+22	2,009191E+22
-1094	2,300551E+22	2,491037E+22	2,573285E+22	2,573263E+22	2,490972E+22	2,300487E+22	2,009160E+22	1,695076E+22	1,486068E+22	1,486080E+22	1,695101E+22	2,009170E+22
-1093	2,300473E+22	2,490937E+22	2,573191E+22	2,573200E+22	2,490953E+22	2,300492E+22	2,009185E+22	1,695106E+22	1,486077E+22	1,486054E+22	1,695045E+22	2,009112E+22

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	2,300454E+22	2,490987E+22	2,573292E+22	2,573285E+22	2,490990E+22	2,300490E+22	2,009159E+22	1,695078E+22	1,486064E+22	1,486068E+22	1,695098E+22	2,009206E+22
-1091	2,300552E+22	2,491038E+22	2,573301E+22	2,573265E+22	2,490947E+22	2,300444E+22	2,009119E+22	1,695039E+22	1,486029E+22	1,486037E+22	1,695059E+22	2,009128E+22
-1090	2,300427E+22	2,490894E+22	2,573203E+22	2,573268E+22	2,491014E+22	2,300515E+22	2,009167E+22	1,695052E+22	1,486005E+22	1,485992E+22	1,695019E+22	2,009122E+22
-1089	2,300491E+22	2,491027E+22	2,573320E+22	2,573327E+22	2,491038E+22	2,300511E+22	2,009126E+22	1,694992E+22	1,485953E+22	1,485973E+22	1,695047E+22	2,009189E+22
-1088	2,300537E+22	2,491017E+22	2,573264E+22	2,573229E+22	2,490955E+22	2,300487E+22	2,009140E+22	1,694999E+22	1,485933E+22	1,485924E+22	1,694967E+22	2,009081E+22
-1087	2,300423E+22	2,490920E+22	2,573237E+22	2,573275E+22	2,491004E+22	2,300517E+22	2,009171E+22	1,695036E+22	1,485962E+22	1,485935E+22	1,694968E+22	2,009106E+22
-1086	2,300522E+22	2,491065E+22	2,573335E+22	2,573322E+22	2,491012E+22	2,300479E+22	2,009101E+22	1,694973E+22	1,485933E+22	1,485949E+22	1,695010E+22	2,009122E+22
-1085	2,300459E+22	2,490955E+22	2,573224E+22	2,573236E+22	2,490984E+22	2,300493E+22	2,009129E+22	1,694993E+22	1,485934E+22	1,485926E+22	1,694968E+22	2,009079E+22
-1084	2,300424E+22	2,490944E+22	2,573264E+22	2,573287E+22	2,491011E+22	2,300508E+22	2,009139E+22	1,694999E+22	1,485947E+22	1,485954E+22	1,695024E+22	2,009184E+22
-1083	2,300565E+22	2,491049E+22	2,573301E+22	2,573269E+22	2,490958E+22	2,300453E+22	2,009103E+22	1,694985E+22	1,485947E+22	1,485960E+22	1,695017E+22	2,009130E+22
-1082	2,300462E+22	2,490926E+22	2,573189E+22	2,573225E+22	2,490980E+22	2,300500E+22	2,009161E+22	1,695042E+22	1,485987E+22	1,485968E+22	1,694991E+22	2,009095E+22
-1081	2,300475E+22	2,491032E+22	2,573329E+22	2,573312E+22	2,491006E+22	2,300489E+22	2,009134E+22	1,695030E+22	1,486008E+22	1,486018E+22	1,695063E+22	2,009185E+22
-1080	2,300535E+22	2,491034E+22	2,573301E+22	2,573259E+22	2,490947E+22	2,300457E+22	2,009135E+22	1,695051E+22	1,486037E+22	1,486043E+22	1,695054E+22	2,009106E+22
-1079	2,300398E+22	2,490874E+22	2,573199E+22	2,573263E+22	2,491001E+22	2,300515E+22	2,009198E+22	1,695124E+22	1,486106E+22	1,486091E+22	1,695083E+22	2,009144E+22
-1078	2,300485E+22	2,491007E+22	2,573295E+22	2,573304E+22	2,491017E+22	2,300507E+22	2,009163E+22	1,695090E+22	1,486102E+22	1,486126E+22	1,695150E+22	2,009209E+22
-1077	2,300484E+22	2,490931E+22	2,573185E+22	2,573191E+22	2,490948E+22	2,300499E+22	2,009202E+22	1,695136E+22	1,486127E+22	1,486116E+22	1,695102E+22	2,009142E+22
-1076	2,300430E+22	2,490900E+22	2,573192E+22	2,573214E+22	2,490957E+22	2,300505E+22	2,009218E+22	1,695163E+22	1,486159E+22	1,486147E+22	1,695138E+22	2,009211E+22
-1075	2,300554E+22	2,491047E+22	2,573293E+22	2,573244E+22	2,490920E+22	2,300434E+22	2,009152E+22	1,695123E+22	1,486146E+22	1,486153E+22	1,695146E+22	2,009177E+22
-1074	2,300450E+22	2,490911E+22	2,573177E+22	2,573196E+22	2,490941E+22	2,300473E+22	2,009185E+22	1,695142E+22	1,486144E+22	1,486128E+22	1,695100E+22	2,009128E+22
-1073	2,300428E+22	2,490955E+22	2,573284E+22	2,573295E+22	2,490993E+22	2,300482E+22	2,009153E+22	1,695094E+22	1,486106E+22	1,486119E+22	1,695138E+22	2,009227E+22
-1072	2,300547E+22	2,491013E+22	2,573277E+22	2,573259E+22	2,490953E+22	2,300457E+22	2,009137E+22	1,695061E+22	1,486060E+22	1,486077E+22	1,695095E+22	2,009147E+22
-1071	2,300428E+22	2,490875E+22	2,573153E+22	2,573217E+22	2,490982E+22	2,300514E+22	2,009197E+22	1,695105E+22	1,486065E+22	1,486042E+22	1,695045E+22	2,009127E+22
-1070	2,300482E+22	2,491025E+22	2,573304E+22	2,573287E+22	2,491005E+22	2,300507E+22	2,009155E+22	1,695050E+22	1,486024E+22	1,486028E+22	1,695067E+22	2,009176E+22
-1069	2,300503E+22	2,490991E+22	2,573256E+22	2,573228E+22	2,490943E+22	2,300474E+22	2,009157E+22	1,695057E+22	1,486016E+22	1,485998E+22	1,695000E+22	2,009077E+22
-1068	2,300406E+22	2,490898E+22	2,573206E+22	2,573247E+22	2,490977E+22	2,300490E+22	2,009165E+22	1,695069E+22	1,486032E+22	1,486017E+22	1,695033E+22	2,009132E+22
-1067	2,300507E+22	2,491040E+22	2,573313E+22	2,573301E+22	2,490988E+22	2,300456E+22	2,009103E+22	1,695013E+22	1,486001E+22	1,486020E+22	1,695067E+22	2,009155E+22
-1066	2,300453E+22	2,490920E+22	2,573183E+22	2,573205E+22	2,490966E+22	2,300491E+22	2,009152E+22	1,695042E+22	1,486002E+22	1,485995E+22	1,695022E+22	2,009108E+22
-1065	2,300425E+22	2,490932E+22	2,573251E+22	2,573270E+22	2,490987E+22	2,300490E+22	2,009148E+22	1,695043E+22	1,486011E+22	1,486012E+22	1,695058E+22	2,009198E+22
-1064	2,300570E+22	2,491055E+22	2,573302E+22	2,573263E+22	2,490944E+22	2,300446E+22	2,009121E+22	1,695032E+22	1,486016E+22	1,486031E+22	1,695062E+22	2,009135E+22
-1063	2,300445E+22	2,490910E+22	2,573170E+22	2,573202E+22	2,490948E+22	2,300481E+22	2,009181E+22	1,695108E+22	1,486082E+22	1,486061E+22	1,695050E+22	2,009102E+22
-1062	2,300439E+22	2,490996E+22	2,573307E+22	2,573300E+22	2,491005E+22	2,300495E+22	2,009156E+22	1,695089E+22	1,486098E+22	1,486109E+22	1,695126E+22	2,009200E+22
-1061	2,300500E+22	2,490978E+22	2,573259E+22	2,573248E+22	2,490957E+22	2,300473E+22	2,009165E+22	1,695110E+22	1,486125E+22	1,486132E+22	1,695115E+22	2,009139E+22
-1060	2,300405E+22	2,490846E+22	2,573133E+22	2,573194E+22	2,490958E+22	2,300503E+22	2,009218E+22	1,695174E+22	1,486180E+22	1,486170E+22	1,695146E+22	2,009184E+22
-1059	2,300498E+22	2,491000E+22	2,573265E+22	2,573254E+22	2,490962E+22	2,300472E+22	2,009179E+22	1,695154E+22	1,486184E+22	1,486194E+22	1,695191E+22	2,009227E+22
-1058	2,300486E+22	2,490925E+22	2,573167E+22	2,573155E+22	2,490902E+22	2,300468E+22	2,009214E+22	1,695194E+22	1,486211E+22	1,486193E+22	1,695144E+22	2,009146E+22
-1057	2,300408E+22	2,490890E+22	2,573206E+22	2,573218E+22	2,490928E+22	2,300463E+22	2,009204E+22	1,695197E+22	1,486225E+22	1,486215E+22	1,695178E+22	2,009215E+22

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	2,300534E+22	2,491030E+22	2,573296E+22	2,573262E+22	2,490933E+22	2,300431E+22	2,009150E+22	1,695142E+22	1,486193E+22	1,486219E+22	1,695201E+22	2,009193E+22
-1055	2,300430E+22	2,490877E+22	2,573141E+22	2,573170E+22	2,490932E+22	2,300479E+22	2,009205E+22	1,695180E+22	1,486200E+22	1,486189E+22	1,695148E+22	2,009150E+22
-1054	2,300418E+22	2,490929E+22	2,573251E+22	2,573266E+22	2,490990E+22	2,300503E+22	2,009188E+22	1,695140E+22	1,486160E+22	1,486164E+22	1,695164E+22	2,009235E+22
-1053	2,300537E+22	2,490989E+22	2,573247E+22	2,573239E+22	2,490951E+22	2,300469E+22	2,009171E+22	1,695120E+22	1,486129E+22	1,486129E+22	1,695110E+22	2,009144E+22
-1052	2,300432E+22	2,490875E+22	2,573125E+22	2,573163E+22	2,490933E+22	2,300488E+22	2,009208E+22	1,695155E+22	1,486139E+22	1,486111E+22	1,695085E+22	2,009131E+22
-1051	2,300462E+22	2,491011E+22	2,573302E+22	2,573273E+22	2,490964E+22	2,300462E+22	2,009154E+22	1,695104E+22	1,486105E+22	1,486104E+22	1,695114E+22	2,009181E+22
-1050	2,300469E+22	2,490946E+22	2,573226E+22	2,573214E+22	2,490931E+22	2,300457E+22	2,009158E+22	1,695099E+22	1,486092E+22	1,486083E+22	1,695067E+22	2,009104E+22
-1049	2,300383E+22	2,490859E+22	2,573185E+22	2,573234E+22	2,490963E+22	2,300474E+22	2,009159E+22	1,695090E+22	1,486083E+22	1,486080E+22	1,695089E+22	2,009171E+22
-1048	2,300518E+22	2,491024E+22	2,573287E+22	2,573278E+22	2,490976E+22	2,300456E+22	2,009117E+22	1,695038E+22	1,486044E+22	1,486077E+22	1,695117E+22	2,009185E+22
-1047	2,300466E+22	2,490916E+22	2,573149E+22	2,573154E+22	2,490926E+22	2,300478E+22	2,009175E+22	1,695097E+22	1,486073E+22	1,486060E+22	1,695059E+22	2,009121E+22
-1046	2,300425E+22	2,490938E+22	2,573249E+22	2,573248E+22	2,490967E+22	2,300485E+22	2,009168E+22	1,695101E+22	1,486091E+22	1,486080E+22	1,695087E+22	2,009189E+22
-1045	2,300540E+22	2,491030E+22	2,573298E+22	2,573275E+22	2,490952E+22	2,300445E+22	2,009142E+22	1,695095E+22	1,486109E+22	1,486115E+22	1,695102E+22	2,009135E+22
-1044	2,300426E+22	2,490882E+22	2,573139E+22	2,573176E+22	2,490934E+22	2,300473E+22	2,009193E+22	1,695158E+22	1,486168E+22	1,486156E+22	1,695121E+22	2,009131E+22
-1043	2,300417E+22	2,490956E+22	2,573276E+22	2,573273E+22	2,490980E+22	2,300482E+22	2,009180E+22	1,695152E+22	1,486182E+22	1,486190E+22	1,695185E+22	2,009226E+22
-1042	2,300485E+22	2,490931E+22	2,573204E+22	2,573204E+22	2,490932E+22	2,300473E+22	2,009200E+22	1,695179E+22	1,486212E+22	1,486216E+22	1,695174E+22	2,009166E+22
-1041	2,300401E+22	2,490830E+22	2,573114E+22	2,573155E+22	2,490915E+22	2,300477E+22	2,009227E+22	1,695224E+22	1,486255E+22	1,486241E+22	1,695189E+22	2,009201E+22
-1040	2,300503E+22	2,491002E+22	2,573261E+22	2,573229E+22	2,490927E+22	2,300449E+22	2,009186E+22	1,695194E+22	1,486254E+22	1,486272E+22	1,695241E+22	2,009235E+22
-1039	2,300473E+22	2,490911E+22	2,573154E+22	2,573132E+22	2,490866E+22	2,300437E+22	2,009217E+22	1,695244E+22	1,486293E+22	1,486279E+22	1,695203E+22	2,009161E+22
-1038	2,300388E+22	2,490864E+22	2,573191E+22	2,573216E+22	2,490934E+22	2,300461E+22	2,009205E+22	1,695230E+22	1,486290E+22	1,486284E+22	1,695227E+22	2,009230E+22
-1037	2,300512E+22	2,490988E+22	2,573266E+22	2,573260E+22	2,490951E+22	2,300450E+22	2,009173E+22	1,695182E+22	1,486252E+22	1,486276E+22	1,695236E+22	2,009215E+22
-1036	2,300442E+22	2,490860E+22	2,573098E+22	2,573119E+22	2,490901E+22	2,300475E+22	2,009225E+22	1,695220E+22	1,486253E+22	1,486242E+22	1,695186E+22	2,009169E+22
-1035	2,300419E+22	2,490921E+22	2,573235E+22	2,573231E+22	2,490947E+22	2,300480E+22	2,009211E+22	1,695201E+22	1,486227E+22	1,486214E+22	1,695181E+22	2,009227E+22
-1034	2,300517E+22	2,490969E+22	2,573232E+22	2,573216E+22	2,490924E+22	2,300455E+22	2,009189E+22	1,695177E+22	1,486208E+22	1,486201E+22	1,695146E+22	2,009137E+22
-1033	2,300397E+22	2,490852E+22	2,573130E+22	2,573160E+22	2,490911E+22	2,300458E+22	2,009198E+22	1,695185E+22	1,486202E+22	1,486181E+22	1,695132E+22	2,009141E+22
-1032	2,300442E+22	2,490979E+22	2,573284E+22	2,573270E+22	2,490969E+22	2,300461E+22	2,009153E+22	1,695121E+22	1,486155E+22	1,486176E+22	1,695177E+22	2,009210E+22
-1031	2,300461E+22	2,490908E+22	2,573181E+22	2,573173E+22	2,490908E+22	2,300454E+22	2,009176E+22	1,695138E+22	1,486153E+22	1,486152E+22	1,695127E+22	2,009143E+22
-1030	2,300391E+22	2,490838E+22	2,573150E+22	2,573202E+22	2,490951E+22	2,300479E+22	2,009179E+22	1,695134E+22	1,486141E+22	1,486134E+22	1,695123E+22	2,009191E+22
-1029	2,300526E+22	2,491017E+22	2,573271E+22	2,573258E+22	2,490966E+22	2,300460E+22	2,009146E+22	1,695097E+22	1,486118E+22	1,486136E+22	1,695140E+22	2,009191E+22
-1028	2,300479E+22	2,490926E+22	2,573140E+22	2,573111E+22	2,490876E+22	2,300450E+22	2,009185E+22	1,695149E+22	1,486154E+22	1,486139E+22	1,695106E+22	2,009125E+22
-1027	2,300402E+22	2,490921E+22	2,573253E+22	2,573244E+22	2,490938E+22	2,300453E+22	2,009179E+22	1,695164E+22	1,486181E+22	1,486165E+22	1,695135E+22	2,009189E+22
-1026	2,300502E+22	2,490980E+22	2,573267E+22	2,573265E+22	2,490953E+22	2,300446E+22	2,009157E+22	1,695149E+22	1,486199E+22	1,486211E+22	1,695170E+22	2,009156E+22
-1025	2,300395E+22	2,490835E+22	2,573108E+22	2,573145E+22	2,490913E+22	2,300464E+22	2,009204E+22	1,695200E+22	1,486238E+22	1,486233E+22	1,695182E+22	2,009166E+22
-1024	2,300422E+22	2,490925E+22	2,573235E+22	2,573235E+22	2,490957E+22	2,300481E+22	2,009203E+22	1,695197E+22	1,486249E+22	1,486266E+22	1,695240E+22	2,009251E+22
-1023	2,300491E+22	2,490916E+22	2,573166E+22	2,573143E+22	2,490874E+22	2,300448E+22	2,009222E+22	1,695245E+22	1,486302E+22	1,486298E+22	1,695224E+22	2,009181E+22
-1022	2,300398E+22	2,490826E+22	2,573107E+22	2,573134E+22	2,490887E+22	2,300455E+22	2,009234E+22	1,695277E+22	1,486339E+22	1,486319E+22	1,695230E+22	2,009201E+22
-1021	2,300481E+22	2,490981E+22	2,573260E+22	2,573239E+22	2,490930E+22	2,300441E+22	2,009194E+22	1,695242E+22	1,486335E+22	1,486352E+22	1,695286E+22	2,009245E+22

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	2,300464E+22	2,490889E+22	2,573131E+22	2,573109E+22	2,490852E+22	2,300429E+22	2,009219E+22	1,695275E+22	1,486358E+22	1,486357E+22	1,695265E+22	2,009188E+22
-1019	2,300377E+22	2,490835E+22	2,573172E+22	2,573202E+22	2,490920E+22	2,300458E+22	2,009229E+22	1,695280E+22	1,486351E+22	1,486341E+22	1,695265E+22	2,009245E+22
-1018	2,300503E+22	2,490952E+22	2,573224E+22	2,573232E+22	2,490945E+22	2,300463E+22	2,009207E+22	1,695239E+22	1,486320E+22	1,486337E+22	1,695272E+22	2,009223E+22
-1017	2,300430E+22	2,490848E+22	2,573089E+22	2,573089E+22	2,490869E+22	2,300462E+22	2,009240E+22	1,695265E+22	1,486315E+22	1,486297E+22	1,695216E+22	2,009174E+22
-1016	2,300412E+22	2,490908E+22	2,573229E+22	2,573213E+22	2,490921E+22	2,300466E+22	2,009221E+22	1,695237E+22	1,486291E+22	1,486286E+22	1,695226E+22	2,009224E+22
-1015	2,300488E+22	2,490935E+22	2,573207E+22	2,573190E+22	2,490891E+22	2,300430E+22	2,009195E+22	1,695223E+22	1,486285E+22	1,486285E+22	1,695209E+22	2,009158E+22
-1014	2,300380E+22	2,490816E+22	2,573098E+22	2,573144E+22	2,490911E+22	2,300455E+22	2,009196E+22	1,695211E+22	1,486260E+22	1,486249E+22	1,695185E+22	2,009169E+22
-1013	2,300441E+22	2,490944E+22	2,573245E+22	2,573244E+22	2,490964E+22	2,300470E+22	2,009171E+22	1,695157E+22	1,486209E+22	1,486229E+22	1,695215E+22	2,009242E+22
-1012	2,300492E+22	2,490907E+22	2,573146E+22	2,573118E+22	2,490862E+22	2,300435E+22	2,009186E+22	1,695175E+22	1,486207E+22	1,486206E+22	1,695167E+22	2,009167E+22
-1011	2,300408E+22	2,490849E+22	2,573153E+22	2,573176E+22	2,490902E+22	2,300445E+22	2,009194E+22	1,695191E+22	1,486208E+22	1,486186E+22	1,695141E+22	2,009178E+22
-1010	2,300506E+22	2,491002E+22	2,573269E+22	2,573251E+22	2,490948E+22	2,300448E+22	2,009162E+22	1,695154E+22	1,486203E+22	1,486214E+22	1,695178E+22	2,009177E+22
-1009	2,300436E+22	2,490902E+22	2,573153E+22	2,573120E+22	2,490868E+22	2,300434E+22	2,009185E+22	1,695188E+22	1,486228E+22	1,486220E+22	1,695159E+22	2,009132E+22
-1008	2,300373E+22	2,490876E+22	2,573227E+22	2,573238E+22	2,490944E+22	2,300465E+22	2,009196E+22	1,695200E+22	1,486252E+22	1,486254E+22	1,695202E+22	2,009205E+22
-1007	2,300476E+22	2,490926E+22	2,573212E+22	2,573219E+22	2,490928E+22	2,300452E+22	2,009193E+22	1,695213E+22	1,486284E+22	1,486300E+22	1,695240E+22	2,009193E+22
-1006	2,300397E+22	2,490803E+22	2,573058E+22	2,573103E+22	2,490893E+22	2,300464E+22	2,009229E+22	1,695261E+22	1,486321E+22	1,486309E+22	1,695230E+22	2,009187E+22
-1005	2,300428E+22	2,490910E+22	2,573204E+22	2,573197E+22	2,490927E+22	2,300474E+22	2,009230E+22	1,695265E+22	1,486340E+22	1,486344E+22	1,695281E+22	2,009266E+22
-1004	2,300502E+22	2,490918E+22	2,573153E+22	2,573101E+22	2,490816E+22	2,300406E+22	2,009223E+22	1,695297E+22	1,486390E+22	1,486391E+22	1,695289E+22	2,009200E+22
-1003	2,300385E+22	2,490811E+22	2,573110E+22	2,573133E+22	2,490856E+22	2,300417E+22	2,009234E+22	1,695327E+22	1,486419E+22	1,486401E+22	1,695286E+22	2,009213E+22
-1002	2,300455E+22	2,490939E+22	2,573233E+22	2,573233E+22	2,490936E+22	2,300448E+22	2,009207E+22	1,695283E+22	1,486407E+22	1,486433E+22	1,695348E+22	2,009267E+22
-1001	2,300446E+22	2,490862E+22	2,573115E+22	2,573089E+22	2,490838E+22	2,300429E+22	2,009232E+22	1,695305E+22	1,486407E+22	1,486412E+22	1,695308E+22	2,009214E+22
-1000	2,300386E+22	2,490818E+22	2,573143E+22	2,573175E+22	2,490905E+22	2,300465E+22	2,009254E+22	1,695318E+22	1,486404E+22	1,486397E+22	1,695296E+22	2,009245E+22
-999	2,300495E+22	2,490939E+22	2,573196E+22	2,573188E+22	2,490902E+22	2,300450E+22	2,009235E+22	1,695301E+22	1,486398E+22	1,486402E+22	1,695306E+22	2,009223E+22
-998	2,300412E+22	2,490829E+22	2,573074E+22	2,573077E+22	2,490851E+22	2,300445E+22	2,009248E+22	1,695313E+22	1,486388E+22	1,486365E+22	1,695250E+22	2,009170E+22
-997	2,300386E+22	2,490875E+22	2,573209E+22	2,573212E+22	2,490921E+22	2,300464E+22	2,009233E+22	1,695281E+22	1,486360E+22	1,486354E+22	1,695272E+22	2,009242E+22
-996	2,300483E+22	2,490908E+22	2,573171E+22	2,573150E+22	2,490857E+22	2,300411E+22	2,009195E+22	1,695250E+22	1,486341E+22	1,486354E+22	1,695273E+22	2,009194E+22
-995	2,300381E+22	2,490794E+22	2,573075E+22	2,573119E+22	2,490876E+22	2,300437E+22	2,009212E+22	1,695252E+22	1,486311E+22	1,486299E+22	1,695222E+22	2,009188E+22
-994	2,300445E+22	2,490929E+22	2,573216E+22	2,573218E+22	2,490946E+22	2,300467E+22	2,009191E+22	1,695203E+22	1,486272E+22	1,486288E+22	1,695248E+22	2,009246E+22
-993	2,300486E+22	2,490915E+22	2,573154E+22	2,573097E+22	2,490826E+22	2,300412E+22	2,009190E+22	1,695212E+22	1,486266E+22	1,486262E+22	1,695195E+22	2,009166E+22
-992	2,300398E+22	2,490843E+22	2,573160E+22	2,573178E+22	2,490888E+22	2,300433E+22	2,009203E+22	1,695229E+22	1,486280E+22	1,486265E+22	1,695185E+22	2,009166E+22
-991	2,300464E+22	2,490961E+22	2,573246E+22	2,573241E+22	2,490934E+22	2,300438E+22	2,009178E+22	1,695211E+22	1,486291E+22	1,486307E+22	1,695245E+22	2,009194E+22
-990	2,300406E+22	2,490846E+22	2,573107E+22	2,573109E+22	2,490877E+22	2,300444E+22	2,009202E+22	1,695234E+22	1,486304E+22	1,486303E+22	1,695222E+22	2,009161E+22
-989	2,300364E+22	2,490827E+22	2,573168E+22	2,573201E+22	2,490934E+22	2,300482E+22	2,009235E+22	1,695260E+22	1,486328E+22	1,486327E+22	1,695257E+22	2,009241E+22
-988	2,300494E+22	2,490910E+22	2,573160E+22	2,573147E+22	2,490866E+22	2,300427E+22	2,009213E+22	1,695272E+22	1,486366E+22	1,486381E+22	1,695300E+22	2,009223E+22
-987	2,300410E+22	2,490807E+22	2,573051E+22	2,573067E+22	2,490829E+22	2,300423E+22	2,009245E+22	1,695326E+22	1,486407E+22	1,486386E+22	1,695270E+22	2,009190E+22
-986	2,300416E+22	2,490899E+22	2,573196E+22	2,573186E+22	2,490901E+22	2,300449E+22	2,009237E+22	1,695321E+22	1,486433E+22	1,486437E+22	1,695337E+22	2,009267E+22
-985	2,300474E+22	2,490906E+22	2,573164E+22	2,573107E+22	2,490805E+22	2,300385E+22	2,009216E+22	1,695328E+22	1,486457E+22	1,486469E+22	1,695348E+22	2,009223E+22

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	2,300374E+22	2,490785E+22	2,573096E+22	2,573135E+22	2,490864E+22	2,300429E+22	2,009248E+22	1,695356E+22	1,486478E+22	1,486476E+22	1,695342E+22	2,009228E+22
-983	2,300435E+22	2,490899E+22	2,573191E+22	2,573202E+22	2,490921E+22	2,300460E+22	2,009248E+22	1,695344E+22	1,486479E+22	1,486501E+22	1,695398E+22	2,009292E+22
-982	2,300446E+22	2,490837E+22	2,573076E+22	2,573066E+22	2,490833E+22	2,300439E+22	2,009264E+22	1,695362E+22	1,486477E+22	1,486470E+22	1,695337E+22	2,009218E+22
-981	2,300382E+22	2,490803E+22	2,573112E+22	2,573141E+22	2,490881E+22	2,300467E+22	2,009289E+22	1,695382E+22	1,486483E+22	1,486459E+22	1,695325E+22	2,009244E+22
-980	2,300482E+22	2,490924E+22	2,573175E+22	2,573149E+22	2,490848E+22	2,300411E+22	2,009237E+22	1,695349E+22	1,486476E+22	1,486484E+22	1,695364E+22	2,009237E+22
-979	2,300393E+22	2,490805E+22	2,573064E+22	2,573068E+22	2,490814E+22	2,300405E+22	2,009244E+22	1,695352E+22	1,486454E+22	1,486436E+22	1,695302E+22	2,009186E+22
-978	2,300365E+22	2,490832E+22	2,573166E+22	2,573189E+22	2,490909E+22	2,300458E+22	2,009237E+22	1,695310E+22	1,486418E+22	1,486424E+22	1,695330E+22	2,009268E+22
-977	2,300478E+22	2,490896E+22	2,573153E+22	2,573122E+22	2,490828E+22	2,300395E+22	2,009195E+22	1,695269E+22	1,486376E+22	1,486398E+22	1,695312E+22	2,009225E+22
-976	2,300402E+22	2,490799E+22	2,573062E+22	2,573097E+22	2,490854E+22	2,300427E+22	2,009220E+22	1,695278E+22	1,486356E+22	1,486347E+22	1,695246E+22	2,009184E+22
-975	2,300435E+22	2,490925E+22	2,573206E+22	2,573193E+22	2,490913E+22	2,300453E+22	2,009213E+22	1,695258E+22	1,486344E+22	1,486350E+22	1,695279E+22	2,009242E+22
-974	2,300463E+22	2,490896E+22	2,573149E+22	2,573112E+22	2,490831E+22	2,300405E+22	2,009199E+22	1,695256E+22	1,486338E+22	1,486331E+22	1,695230E+22	2,009158E+22
-973	2,300364E+22	2,490804E+22	2,573132E+22	2,573180E+22	2,490902E+22	2,300449E+22	2,009230E+22	1,695283E+22	1,486358E+22	1,486340E+22	1,695237E+22	2,009182E+22
-972	2,300441E+22	2,490916E+22	2,573196E+22	2,573200E+22	2,490908E+22	2,300435E+22	2,009201E+22	1,695262E+22	1,486368E+22	1,486392E+22	1,695317E+22	2,009234E+22
-971	2,300403E+22	2,490812E+22	2,573065E+22	2,573071E+22	2,490834E+22	2,300430E+22	2,009237E+22	1,695300E+22	1,486383E+22	1,486377E+22	1,695275E+22	2,009188E+22
-970	2,300368E+22	2,490805E+22	2,573120E+22	2,573152E+22	2,490897E+22	2,300473E+22	2,009264E+22	1,695328E+22	1,486420E+22	1,486413E+22	1,695312E+22	2,009257E+22
-969	2,300491E+22	2,490921E+22	2,573159E+22	2,573109E+22	2,490809E+22	2,300389E+22	2,009216E+22	1,695319E+22	1,486445E+22	1,486461E+22	1,695352E+22	2,009241E+22
-968	2,300408E+22	2,490809E+22	2,573058E+22	2,573065E+22	2,490804E+22	2,300394E+22	2,009240E+22	1,695364E+22	1,486488E+22	1,486478E+22	1,695328E+22	2,009195E+22
-967	2,300388E+22	2,490869E+22	2,573180E+22	2,573181E+22	2,490889E+22	2,300435E+22	2,009245E+22	1,695370E+22	1,486518E+22	1,486529E+22	1,695407E+22	2,009296E+22
-966	2,300457E+22	2,490863E+22	2,573126E+22	2,573108E+22	2,490822E+22	2,300396E+22	2,009232E+22	1,695367E+22	1,486523E+22	1,486538E+22	1,695398E+22	2,009246E+22
-965	2,300371E+22	2,490755E+22	2,573053E+22	2,573111E+22	2,490864E+22	2,300453E+22	2,009292E+22	1,695416E+22	1,486545E+22	1,486532E+22	1,695379E+22	2,009249E+22
-964	2,300438E+22	2,490885E+22	2,573153E+22	2,573145E+22	2,490867E+22	2,300440E+22	2,009273E+22	1,695405E+22	1,486555E+22	1,486567E+22	1,695437E+22	2,009301E+22
-963	2,300437E+22	2,490828E+22	2,573066E+22	2,573038E+22	2,490779E+22	2,300406E+22	2,009286E+22	1,695427E+22	1,486557E+22	1,486538E+22	1,695368E+22	2,009208E+22
-962	2,300352E+22	2,490776E+22	2,573090E+22	2,573128E+22	2,490861E+22	2,300447E+22	2,009295E+22	1,695431E+22	1,486565E+22	1,486544E+22	1,695378E+22	2,009243E+22
-961	2,300445E+22	2,490901E+22	2,573163E+22	2,573135E+22	2,490828E+22	2,300387E+22	2,009224E+22	1,695367E+22	1,486529E+22	1,486552E+22	1,695423E+22	2,009268E+22
-960	2,300387E+22	2,490781E+22	2,573040E+22	2,573056E+22	2,490810E+22	2,300403E+22	2,009242E+22	1,695366E+22	1,486499E+22	1,486496E+22	1,695351E+22	2,009210E+22
-959	2,300362E+22	2,490808E+22	2,573130E+22	2,573157E+22	2,490886E+22	2,300451E+22	2,009257E+22	1,695353E+22	1,486473E+22	1,486476E+22	1,695371E+22	2,009296E+22
-958	2,300488E+22	2,490885E+22	2,573126E+22	2,573110E+22	2,490825E+22	2,300394E+22	2,009212E+22	1,695310E+22	1,486430E+22	1,486441E+22	1,695330E+22	2,009226E+22
-957	2,300402E+22	2,490801E+22	2,573054E+22	2,573085E+22	2,490841E+22	2,300431E+22	2,009251E+22	1,695334E+22	1,486424E+22	1,486399E+22	1,695272E+22	2,009181E+22
-956	2,300410E+22	2,490906E+22	2,573194E+22	2,573173E+22	2,490877E+22	2,300426E+22	2,009223E+22	1,695310E+22	1,486423E+22	1,486430E+22	1,695333E+22	2,009251E+22
-955	2,300433E+22	2,490861E+22	2,573130E+22	2,573104E+22	2,490814E+22	2,300392E+22	2,009216E+22	1,695308E+22	1,486414E+22	1,486410E+22	1,695287E+22	2,009175E+22
-954	2,300340E+22	2,490755E+22	2,573072E+22	2,573144E+22	2,490893E+22	2,300457E+22	2,009255E+22	1,695335E+22	1,486437E+22	1,486426E+22	1,695303E+22	2,009208E+22
-953	2,300431E+22	2,490897E+22	2,573158E+22	2,573151E+22	2,490865E+22	2,300416E+22	2,009214E+22	1,695306E+22	1,486432E+22	1,486459E+22	1,695372E+22	2,009272E+22
-952	2,300424E+22	2,490815E+22	2,573045E+22	2,573035E+22	2,490793E+22	2,300403E+22	2,009242E+22	1,695347E+22	1,486460E+22	1,486453E+22	1,695318E+22	2,009195E+22
-951	2,300359E+22	2,490801E+22	2,573110E+22	2,573122E+22	2,490849E+22	2,300438E+22	2,009277E+22	1,695392E+22	1,486513E+22	1,486501E+22	1,695366E+22	2,009269E+22
-950	2,300475E+22	2,490903E+22	2,573157E+22	2,573127E+22	2,490812E+22	2,300371E+22	2,009217E+22	1,695365E+22	1,486526E+22	1,486544E+22	1,695403E+22	2,009249E+22
-949	2,300387E+22	2,490784E+22	2,573041E+22	2,573068E+22	2,490817E+22	2,300408E+22	2,009264E+22	1,695414E+22	1,486562E+22	1,486552E+22	1,695384E+22	2,009217E+22

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	2,300367E+22	2,490830E+22	2,573141E+22	2,573149E+22	2,490870E+22	2,300436E+22	2,009271E+22	1,695423E+22	1,486593E+22	1,486607E+22	1,695468E+22	2,009327E+22
-947	2,300454E+22	2,490835E+22	2,573093E+22	2,573080E+22	2,490796E+22	2,300394E+22	2,009271E+22	1,695433E+22	1,486599E+22	1,486604E+22	1,695436E+22	2,009257E+22
-946	2,300363E+22	2,490731E+22	2,573004E+22	2,573064E+22	2,490838E+22	2,300452E+22	2,009326E+22	1,695486E+22	1,486636E+22	1,486612E+22	1,695422E+22	2,009246E+22
-945	2,300413E+22	2,490879E+22	2,573145E+22	2,573110E+22	2,490819E+22	2,300407E+22	2,009278E+22	1,695453E+22	1,486630E+22	1,486642E+22	1,695485E+22	2,009313E+22
-944	2,300422E+22	2,490811E+22	2,573060E+22	2,573031E+22	2,490754E+22	2,300372E+22	2,009272E+22	1,695459E+22	1,486632E+22	1,486623E+22	1,695423E+22	2,009218E+22
-943	2,300321E+22	2,490735E+22	2,573057E+22	2,573105E+22	2,490841E+22	2,300428E+22	2,009295E+22	1,695466E+22	1,486632E+22	1,486622E+22	1,695446E+22	2,009283E+22
-942	2,300441E+22	2,490862E+22	2,573122E+22	2,573122E+22	2,490833E+22	2,300388E+22	2,009228E+22	1,695388E+22	1,486571E+22	1,486601E+22	1,695463E+22	2,009299E+22
-941	2,300403E+22	2,490774E+22	2,573010E+22	2,573027E+22	2,490799E+22	2,300413E+22	2,009270E+22	1,695406E+22	1,486541E+22	1,486528E+22	1,695375E+22	2,009230E+22
-940	2,300373E+22	2,490812E+22	2,573112E+22	2,573114E+22	2,490840E+22	2,300427E+22	2,009271E+22	1,695400E+22	1,486533E+22	1,486525E+22	1,695395E+22	2,009299E+22
-939	2,300483E+22	2,490887E+22	2,573134E+22	2,573103E+22	2,490792E+22	2,300371E+22	2,009231E+22	1,695364E+22	1,486499E+22	1,486498E+22	1,695350E+22	2,009209E+22
-938	2,300367E+22	2,490775E+22	2,573039E+22	2,573083E+22	2,490841E+22	2,300428E+22	2,009268E+22	1,695388E+22	1,486506E+22	1,486482E+22	1,695321E+22	2,009173E+22
-937	2,300363E+22	2,490873E+22	2,573175E+22	2,573158E+22	2,490865E+22	2,300417E+22	2,009229E+22	1,695345E+22	1,486487E+22	1,486504E+22	1,695392E+22	2,009278E+22
-936	2,300418E+22	2,490826E+22	2,573096E+22	2,573082E+22	2,490804E+22	2,300391E+22	2,009229E+22	1,695349E+22	1,486486E+22	1,486489E+22	1,695343E+22	2,009200E+22
-935	2,300332E+22	2,490723E+22	2,573024E+22	2,573093E+22	2,490857E+22	2,300447E+22	2,009283E+22	1,695399E+22	1,486520E+22	1,486505E+22	1,695361E+22	2,009245E+22
-934	2,300441E+22	2,490878E+22	2,573122E+22	2,573119E+22	2,490842E+22	2,300400E+22	2,009228E+22	1,695359E+22	1,486512E+22	1,486531E+22	1,695411E+22	2,009286E+22
-933	2,300427E+22	2,490820E+22	2,573042E+22	2,573018E+22	2,490767E+22	2,300389E+22	2,009262E+22	1,695406E+22	1,486544E+22	1,486529E+22	1,695367E+22	2,009209E+22
-932	2,300341E+22	2,490784E+22	2,573103E+22	2,573107E+22	2,490813E+22	2,300397E+22	2,009271E+22	1,695441E+22	1,486601E+22	1,486594E+22	1,695433E+22	2,009292E+22
-931	2,300454E+22	2,490868E+22	2,573137E+22	2,573121E+22	2,490803E+22	2,300364E+22	2,009233E+22	1,695412E+22	1,486603E+22	1,486626E+22	1,695462E+22	2,009270E+22
-930	2,300369E+22	2,490743E+22	2,572994E+22	2,573041E+22	2,490817E+22	2,300426E+22	2,009297E+22	1,695469E+22	1,486642E+22	1,486635E+22	1,695442E+22	2,009236E+22
-929	2,300355E+22	2,490812E+22	2,573108E+22	2,573103E+22	2,490833E+22	2,300426E+22	2,009294E+22	1,695474E+22	1,486660E+22	1,486671E+22	1,695510E+22	2,009348E+22
-928	2,300459E+22	2,490832E+22	2,573075E+22	2,573047E+22	2,490763E+22	2,300377E+22	2,009283E+22	1,695488E+22	1,486682E+22	1,486680E+22	1,695470E+22	2,009252E+22
-927	2,300341E+22	2,490713E+22	2,572986E+22	2,573031E+22	2,490797E+22	2,300425E+22	2,009339E+22	1,695548E+22	1,486726E+22	1,486698E+22	1,695474E+22	2,009257E+22
-926	2,300388E+22	2,490838E+22	2,573122E+22	2,573113E+22	2,490819E+22	2,300390E+22	2,009276E+22	1,695489E+22	1,486700E+22	1,486715E+22	1,695533E+22	2,009328E+22
-925	2,300407E+22	2,490784E+22	2,573036E+22	2,573020E+22	2,490757E+22	2,300380E+22	2,009288E+22	1,695494E+22	1,486686E+22	1,486682E+22	1,695477E+22	2,009252E+22
-924	2,300315E+22	2,490705E+22	2,573024E+22	2,573068E+22	2,490809E+22	2,300413E+22	2,009306E+22	1,695503E+22	1,486687E+22	1,486681E+22	1,695495E+22	2,009318E+22
-923	2,300455E+22	2,490853E+22	2,573100E+22	2,573093E+22	2,490806E+22	2,300383E+22	2,009256E+22	1,695435E+22	1,486626E+22	1,486646E+22	1,695485E+22	2,009304E+22
-922	2,300406E+22	2,490774E+22	2,572992E+22	2,572995E+22	2,490780E+22	2,300414E+22	2,009296E+22	1,695460E+22	1,486612E+22	1,486590E+22	1,695400E+22	2,009214E+22
-921	2,300350E+22	2,490816E+22	2,573121E+22	2,573097E+22	2,490806E+22	2,300401E+22	2,009274E+22	1,695439E+22	1,486597E+22	1,486588E+22	1,695428E+22	2,009298E+22
-920	2,300459E+22	2,490868E+22	2,573135E+22	2,573111E+22	2,490790E+22	2,300351E+22	2,009221E+22	1,695398E+22	1,486575E+22	1,486577E+22	1,695397E+22	2,009210E+22
-919	2,300328E+22	2,490722E+22	2,572998E+22	2,573057E+22	2,490832E+22	2,300425E+22	2,009281E+22	1,695434E+22	1,486582E+22	1,486567E+22	1,695390E+22	2,009212E+22
-918	2,300351E+22	2,490815E+22	2,573122E+22	2,573135E+22	2,490865E+22	2,300423E+22	2,009247E+22	1,695384E+22	1,486547E+22	1,486567E+22	1,695441E+22	2,009310E+22
-917	2,300432E+22	2,490813E+22	2,573059E+22	2,573036E+22	2,490774E+22	2,300391E+22	2,009259E+22	1,695403E+22	1,486550E+22	1,486546E+22	1,695387E+22	2,009227E+22
-916	2,300337E+22	2,490718E+22	2,573003E+22	2,573040E+22	2,490794E+22	2,300406E+22	2,009289E+22	1,695454E+22	1,486603E+22	1,486582E+22	1,695408E+22	2,009261E+22
-915	2,300442E+22	2,490878E+22	2,573128E+22	2,573104E+22	2,490803E+22	2,300371E+22	2,009238E+22	1,695411E+22	1,486594E+22	1,486611E+22	1,695453E+22	2,009283E+22
-914	2,300403E+22	2,490796E+22	2,573028E+22	2,573013E+22	2,490766E+22	2,300383E+22	2,009271E+22	1,695456E+22	1,486631E+22	1,486623E+22	1,695426E+22	2,009213E+22
-913	2,300310E+22	2,490759E+22	2,573086E+22	2,573092E+22	2,490806E+22	2,300395E+22	2,009279E+22	1,695476E+22	1,486668E+22	1,486670E+22	1,695493E+22	2,009323E+22

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	2,300449E+22	2,490839E+22	2,573110E+22	2,573105E+22	2,490799E+22	2,300368E+22	2,009250E+22	1,695462E+22	1,486681E+22	1,486703E+22	1,695510E+22	2,009286E+22
-911	2,300357E+22	2,490709E+22	2,572951E+22	2,572994E+22	2,490789E+22	2,300428E+22	2,009337E+22	1,695544E+22	1,486732E+22	1,486716E+22	1,695495E+22	2,009259E+22
-910	2,300349E+22	2,490779E+22	2,573075E+22	2,573077E+22	2,490812E+22	2,300418E+22	2,009319E+22	1,695536E+22	1,486745E+22	1,486745E+22	1,695546E+22	2,009348E+22
-909	2,300446E+22	2,490822E+22	2,573066E+22	2,573025E+22	2,490734E+22	2,300363E+22	2,009306E+22	1,695549E+22	1,486765E+22	1,486759E+22	1,695525E+22	2,009265E+22
-908	2,300315E+22	2,490681E+22	2,572965E+22	2,573004E+22	2,490758E+22	2,300385E+22	2,009332E+22	1,695591E+22	1,486808E+22	1,486788E+22	1,695544E+22	2,009290E+22
-907	2,300381E+22	2,490804E+22	2,573091E+22	2,573087E+22	2,490800E+22	2,300383E+22	2,009285E+22	1,695522E+22	1,486761E+22	1,486784E+22	1,695585E+22	2,009355E+22
-906	2,300409E+22	2,490758E+22	2,572999E+22	2,572989E+22	2,490745E+22	2,300385E+22	2,009309E+22	1,695534E+22	1,486744E+22	1,486743E+22	1,695520E+22	2,009269E+22
-905	2,300324E+22	2,490711E+22	2,573011E+22	2,573032E+22	2,490770E+22	2,300392E+22	2,009312E+22	1,695535E+22	1,486733E+22	1,486723E+22	1,695519E+22	2,009329E+22
-904	2,300464E+22	2,490862E+22	2,573107E+22	2,573083E+22	2,490784E+22	2,300363E+22	2,009256E+22	1,695476E+22	1,486693E+22	1,486703E+22	1,695502E+22	2,009285E+22
-903	2,300377E+22	2,490758E+22	2,572994E+22	2,572989E+22	2,490764E+22	2,300401E+22	2,009310E+22	1,695511E+22	1,486689E+22	1,486665E+22	1,695443E+22	2,009215E+22
-902	2,300314E+22	2,490761E+22	2,573098E+22	2,573109E+22	2,490822E+22	2,300403E+22	2,009280E+22	1,695474E+22	1,486660E+22	1,486655E+22	1,695469E+22	2,009300E+22
-901	2,300432E+22	2,490827E+22	2,573104E+22	2,573096E+22	2,490796E+22	2,300373E+22	2,009250E+22	1,695441E+22	1,486632E+22	1,486641E+22	1,695455E+22	2,009243E+22
-900	2,300317E+22	2,490680E+22	2,572951E+22	2,573007E+22	2,490791E+22	2,300408E+22	2,009297E+22	1,695482E+22	1,486651E+22	1,486637E+22	1,695447E+22	2,009252E+22
-899	2,300368E+22	2,490794E+22	2,573079E+22	2,573079E+22	2,490821E+22	2,300413E+22	2,009274E+22	1,695440E+22	1,486619E+22	1,486632E+22	1,695478E+22	2,009324E+22
-898	2,300440E+22	2,490809E+22	2,573038E+22	2,572996E+22	2,490738E+22	2,300376E+22	2,009279E+22	1,695462E+22	1,486636E+22	1,486629E+22	1,695432E+22	2,009227E+22
-897	2,300327E+22	2,490724E+22	2,573012E+22	2,573022E+22	2,490748E+22	2,300363E+22	2,009280E+22	1,695492E+22	1,486677E+22	1,486662E+22	1,695460E+22	2,009274E+22
-896	2,300428E+22	2,490862E+22	2,573129E+22	2,573111E+22	2,490799E+22	2,300348E+22	2,009224E+22	1,695448E+22	1,486677E+22	1,486699E+22	1,695510E+22	2,009294E+22
-895	2,300375E+22	2,490754E+22	2,572999E+22	2,572994E+22	2,490763E+22	2,300390E+22	2,009291E+22	1,695505E+22	1,486711E+22	1,486710E+22	1,695494E+22	2,009247E+22
-894	2,300302E+22	2,490706E+22	2,573039E+22	2,573074E+22	2,490807E+22	2,300409E+22	2,009310E+22	1,695528E+22	1,486736E+22	1,486735E+22	1,695532E+22	2,009338E+22
-893	2,300452E+22	2,490827E+22	2,573082E+22	2,573068E+22	2,490778E+22	2,300378E+22	2,009294E+22	1,695532E+22	1,486757E+22	1,486767E+22	1,695552E+22	2,009300E+22
-892	2,300346E+22	2,490692E+22	2,572930E+22	2,572946E+22	2,490730E+22	2,300393E+22	2,009354E+22	1,695613E+22	1,486829E+22	1,486804E+22	1,695546E+22	2,009271E+22
-891	2,300337E+22	2,490756E+22	2,573059E+22	2,573052E+22	2,490776E+22	2,300398E+22	2,009336E+22	1,695594E+22	1,486835E+22	1,486834E+22	1,695597E+22	2,009349E+22
-890	2,300420E+22	2,490788E+22	2,573041E+22	2,573009E+22	2,490725E+22	2,300357E+22	2,009316E+22	1,695596E+22	1,486849E+22	1,486853E+22	1,695590E+22	2,009279E+22
-889	2,300297E+22	2,490658E+22	2,572943E+22	2,572979E+22	2,490734E+22	2,300370E+22	2,009330E+22	1,695615E+22	1,486862E+22	1,486856E+22	1,695603E+22	2,009328E+22
-888	2,300394E+22	2,490792E+22	2,573072E+22	2,573071E+22	2,490786E+22	2,300372E+22	2,009287E+22	1,695557E+22	1,486821E+22	1,486842E+22	1,695622E+22	2,009371E+22
-887	2,300411E+22	2,490745E+22	2,572973E+22	2,572956E+22	2,490722E+22	2,300383E+22	2,009332E+22	1,695584E+22	1,486810E+22	1,486802E+22	1,695556E+22	2,009282E+22
-886	2,300321E+22	2,490693E+22	2,573002E+22	2,573029E+22	2,490760E+22	2,300387E+22	2,009329E+22	1,695578E+22	1,486792E+22	1,486774E+22	1,695538E+22	2,009315E+22
-885	2,300445E+22	2,490854E+22	2,573112E+22	2,573083E+22	2,490773E+22	2,300358E+22	2,009275E+22	1,695522E+22	1,486753E+22	1,486763E+22	1,695544E+22	2,009286E+22
-884	2,300336E+22	2,490710E+22	2,572967E+22	2,572969E+22	2,490738E+22	2,300380E+22	2,009311E+22	1,695550E+22	1,486760E+22	1,486744E+22	1,695505E+22	2,009243E+22
-883	2,300300E+22	2,490710E+22	2,573046E+22	2,573071E+22	2,490807E+22	2,300414E+22	2,009303E+22	1,695510E+22	1,486719E+22	1,486722E+22	1,695520E+22	2,009322E+22
-882	2,300429E+22	2,490792E+22	2,573050E+22	2,573044E+22	2,490768E+22	2,300377E+22	2,009279E+22	1,695491E+22	1,486698E+22	1,486708E+22	1,695501E+22	2,009261E+22
-881	2,300331E+22	2,490685E+22	2,572927E+22	2,572954E+22	2,490731E+22	2,300374E+22	2,009300E+22	1,695520E+22	1,486711E+22	1,486695E+22	1,695484E+22	2,009271E+22
-880	2,300385E+22	2,490810E+22	2,573085E+22	2,573061E+22	2,490778E+22	2,300370E+22	2,009263E+22	1,695484E+22	1,486700E+22	1,486703E+22	1,695510E+22	2,009316E+22
-879	2,300419E+22	2,490797E+22	2,573040E+22	2,572993E+22	2,490717E+22	2,300354E+22	2,009283E+22	1,695510E+22	1,486718E+22	1,486715E+22	1,695489E+22	2,009238E+22
-878	2,300300E+22	2,490680E+22	2,573002E+22	2,573042E+22	2,490763E+22	2,300366E+22	2,009288E+22	1,695528E+22	1,486742E+22	1,486734E+22	1,695509E+22	2,009282E+22
-877	2,300407E+22	2,490831E+22	2,573109E+22	2,573105E+22	2,490808E+22	2,300375E+22	2,009263E+22	1,695500E+22	1,486741E+22	1,486769E+22	1,695569E+22	2,009319E+22

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	2,300358E+22	2,490711E+22	2,572957E+22	2,572956E+22	2,490733E+22	2,300388E+22	2,009326E+22	1,695573E+22	1,486799E+22	1,486794E+22	1,695553E+22	2,009278E+22
-875	2,300309E+22	2,490678E+22	2,572991E+22	2,573020E+22	2,490775E+22	2,300417E+22	2,009353E+22	1,695602E+22	1,486829E+22	1,486818E+22	1,695575E+22	2,009337E+22
-874	2,300438E+22	2,490810E+22	2,573056E+22	2,573029E+22	2,490740E+22	2,300368E+22	2,009326E+22	1,695608E+22	1,486862E+22	1,486867E+22	1,695607E+22	2,009300E+22
-873	2,300328E+22	2,490681E+22	2,572922E+22	2,572922E+22	2,490679E+22	2,300346E+22	2,009346E+22	1,695659E+22	1,486915E+22	1,486898E+22	1,695616E+22	2,009296E+22
-872	2,300326E+22	2,490728E+22	2,573041E+22	2,573044E+22	2,490758E+22	2,300366E+22	2,009319E+22	1,695631E+22	1,486917E+22	1,486925E+22	1,695664E+22	2,009374E+22
-871	2,300406E+22	2,490752E+22	2,573004E+22	2,572984E+22	2,490712E+22	2,300357E+22	2,009328E+22	1,695632E+22	1,486913E+22	1,486930E+22	1,695660E+22	2,009325E+22
-870	2,300307E+22	2,490628E+22	2,572910E+22	2,572962E+22	2,490722E+22	2,300370E+22	2,009346E+22	1,695646E+22	1,486905E+22	1,486898E+22	1,695630E+22	2,009340E+22
-869	2,300406E+22	2,490801E+22	2,573064E+22	2,573048E+22	2,490767E+22	2,300377E+22	2,009317E+22	1,695604E+22	1,486870E+22	1,486883E+22	1,695647E+22	2,009372E+22
-868	2,300397E+22	2,490737E+22	2,572972E+22	2,572938E+22	2,490682E+22	2,300355E+22	2,009341E+22	1,695634E+22	1,486881E+22	1,486865E+22	1,695586E+22	2,009279E+22
-867	2,300301E+22	2,490665E+22	2,572982E+22	2,573015E+22	2,490748E+22	2,300387E+22	2,009347E+22	1,695622E+22	1,486861E+22	1,486840E+22	1,695571E+22	2,009300E+22
-866	2,300403E+22	2,490811E+22	2,573080E+22	2,573072E+22	2,490777E+22	2,300370E+22	2,009298E+22	1,695568E+22	1,486823E+22	1,486838E+22	1,695595E+22	2,009294E+22
-865	2,300316E+22	2,490679E+22	2,572930E+22	2,572934E+22	2,490705E+22	2,300365E+22	2,009319E+22	1,695582E+22	1,486813E+22	1,486806E+22	1,695560E+22	2,009279E+22
-864	2,300310E+22	2,490691E+22	2,573008E+22	2,573035E+22	2,490773E+22	2,300392E+22	2,009310E+22	1,695556E+22	1,486787E+22	1,486784E+22	1,695561E+22	2,009339E+22
-863	2,300432E+22	2,490783E+22	2,573019E+22	2,573000E+22	2,490728E+22	2,300361E+22	2,009297E+22	1,695543E+22	1,486772E+22	1,486779E+22	1,695550E+22	2,009281E+22
-862	2,300331E+22	2,490675E+22	2,572924E+22	2,572948E+22	2,490704E+22	2,300350E+22	2,009303E+22	1,695559E+22	1,486775E+22	1,486757E+22	1,695517E+22	2,009267E+22
-861	2,300372E+22	2,490809E+22	2,573097E+22	2,573072E+22	2,490769E+22	2,300357E+22	2,009272E+22	1,695526E+22	1,486765E+22	1,486777E+22	1,695567E+22	2,009328E+22
-860	2,300386E+22	2,490756E+22	2,573020E+22	2,572989E+22	2,490705E+22	2,300339E+22	2,009286E+22	1,695553E+22	1,486796E+22	1,486801E+22	1,695557E+22	2,009271E+22
-859	2,300292E+22	2,490636E+22	2,572952E+22	2,573010E+22	2,490760E+22	2,300391E+22	2,009325E+22	1,695579E+22	1,486815E+22	1,486810E+22	1,695561E+22	2,009297E+22
-858	2,300395E+22	2,490798E+22	2,573063E+22	2,573064E+22	2,490788E+22	2,300390E+22	2,009311E+22	1,695573E+22	1,486828E+22	1,486848E+22	1,695615E+22	2,009330E+22
-857	2,300358E+22	2,490705E+22	2,572929E+22	2,572908E+22	2,490677E+22	2,300359E+22	2,009344E+22	1,695636E+22	1,486886E+22	1,486874E+22	1,695603E+22	2,009294E+22
-856	2,300310E+22	2,490675E+22	2,572979E+22	2,572996E+22	2,490731E+22	2,300377E+22	2,009355E+22	1,695666E+22	1,486932E+22	1,486912E+22	1,695627E+22	2,009338E+22
-855	2,300408E+22	2,490779E+22	2,573032E+22	2,573010E+22	2,490715E+22	2,300346E+22	2,009332E+22	1,695661E+22	1,486955E+22	1,486968E+22	1,695683E+22	2,009327E+22
-854	2,300306E+22	2,490636E+22	2,572898E+22	2,572925E+22	2,490678E+22	2,300339E+22	2,009347E+22	1,695689E+22	1,486977E+22	1,486971E+22	1,695673E+22	2,009324E+22
-853	2,300325E+22	2,490713E+22	2,573022E+22	2,573029E+22	2,490749E+22	2,300371E+22	2,009341E+22	1,695668E+22	1,486966E+22	1,486983E+22	1,695720E+22	2,009407E+22
-852	2,300403E+22	2,490725E+22	2,572970E+22	2,572951E+22	2,490679E+22	2,300343E+22	2,009347E+22	1,695682E+22	1,486979E+22	1,486989E+22	1,695701E+22	2,009350E+22
-851	2,300322E+22	2,490623E+22	2,572881E+22	2,572923E+22	2,490701E+22	2,300380E+22	2,009379E+22	1,695700E+22	1,486972E+22	1,486953E+22	1,695651E+22	2,009325E+22
-850	2,300384E+22	2,490794E+22	2,573057E+22	2,573028E+22	2,490742E+22	2,300372E+22	2,009348E+22	1,695666E+22	1,486950E+22	1,486954E+22	1,695676E+22	2,009354E+22
-849	2,300367E+22	2,490719E+22	2,572964E+22	2,572929E+22	2,490652E+22	2,300322E+22	2,009337E+22	1,695672E+22	1,486949E+22	1,486938E+22	1,695637E+22	2,009291E+22
-848	2,300281E+22	2,490631E+22	2,572950E+22	2,573004E+22	2,490738E+22	2,300365E+22	2,009339E+22	1,695658E+22	1,486932E+22	1,486913E+22	1,695624E+22	2,009316E+22
-847	2,300377E+22	2,490763E+22	2,573026E+22	2,573035E+22	2,490759E+22	2,300371E+22	2,009317E+22	1,695607E+22	1,486883E+22	1,486906E+22	1,695656E+22	2,009333E+22
-846	2,300320E+22	2,490650E+22	2,572895E+22	2,572908E+22	2,490678E+22	2,300351E+22	2,009331E+22	1,695616E+22	1,486860E+22	1,486850E+22	1,695591E+22	2,009295E+22
-845	2,300325E+22	2,490706E+22	2,573004E+22	2,573009E+22	2,490736E+22	2,300373E+22	2,009326E+22	1,695599E+22	1,486842E+22	1,486837E+22	1,695598E+22	2,009346E+22
-844	2,300418E+22	2,490778E+22	2,573020E+22	2,572986E+22	2,490688E+22	2,300325E+22	2,009298E+22	1,695590E+22	1,486848E+22	1,486854E+22	1,695595E+22	2,009292E+22
-843	2,300318E+22	2,490658E+22	2,572909E+22	2,572943E+22	2,490705E+22	2,300354E+22	2,009316E+22	1,695599E+22	1,486846E+22	1,486832E+22	1,695562E+22	2,009262E+22
-842	2,300335E+22	2,490774E+22	2,573074E+22	2,573068E+22	2,490780E+22	2,300378E+22	2,009303E+22	1,695579E+22	1,486842E+22	1,486856E+22	1,695620E+22	2,009342E+22
-841	2,300373E+22	2,490726E+22	2,572985E+22	2,572965E+22	2,490685E+22	2,300334E+22	2,009308E+22	1,695602E+22	1,486866E+22	1,486875E+22	1,695615E+22	2,009306E+22

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	2,300299E+22	2,490614E+22	2,572906E+22	2,572973E+22	2,490733E+22	2,300378E+22	2,009350E+22	1,695651E+22	1,486908E+22	1,486889E+22	1,695608E+22	2,009309E+22
-839	2,300381E+22	2,490776E+22	2,573025E+22	2,573018E+22	2,490751E+22	2,300383E+22	2,009345E+22	1,695648E+22	1,486927E+22	1,486941E+22	1,695676E+22	2,009349E+22
-838	2,300344E+22	2,490683E+22	2,572918E+22	2,572893E+22	2,490635E+22	2,300326E+22	2,009353E+22	1,695691E+22	1,486971E+22	1,486959E+22	1,695655E+22	2,009301E+22
-837	2,300292E+22	2,490661E+22	2,572971E+22	2,572987E+22	2,490708E+22	2,300353E+22	2,009360E+22	1,695711E+22	1,487008E+22	1,487002E+22	1,695703E+22	2,009364E+22
-836	2,300381E+22	2,490737E+22	2,572999E+22	2,572988E+22	2,490692E+22	2,300324E+22	2,009330E+22	1,695700E+22	1,487031E+22	1,487056E+22	1,695756E+22	2,009374E+22
-835	2,300315E+22	2,490609E+22	2,572848E+22	2,572882E+22	2,490666E+22	2,300354E+22	2,009371E+22	1,695728E+22	1,487036E+22	1,487033E+22	1,695716E+22	2,009342E+22
-834	2,300327E+22	2,490703E+22	2,572994E+22	2,572997E+22	2,490728E+22	2,300376E+22	2,009378E+22	1,695728E+22	1,487036E+22	1,487040E+22	1,695746E+22	2,009412E+22
-833	2,300410E+22	2,490733E+22	2,572963E+22	2,572925E+22	2,490636E+22	2,300311E+22	2,009355E+22	1,695731E+22	1,487047E+22	1,487047E+22	1,695728E+22	2,009350E+22
-832	2,300312E+22	2,490622E+22	2,572882E+22	2,572920E+22	2,490676E+22	2,300347E+22	2,009382E+22	1,695755E+22	1,487056E+22	1,487024E+22	1,695682E+22	2,009307E+22
-831	2,300333E+22	2,490753E+22	2,573037E+22	2,573024E+22	2,490739E+22	2,300369E+22	2,009361E+22	1,695712E+22	1,487025E+22	1,487035E+22	1,695734E+22	2,009366E+22
-830	2,300327E+22	2,490666E+22	2,572935E+22	2,572925E+22	2,490652E+22	2,300323E+22	2,009347E+22	1,695701E+22	1,487001E+22	1,486997E+22	1,695684E+22	2,009313E+22
-829	2,300273E+22	2,490606E+22	2,572916E+22	2,572976E+22	2,490724E+22	2,300370E+22	2,009363E+22	1,695695E+22	1,486978E+22	1,486970E+22	1,695679E+22	2,009349E+22
-828	2,300375E+22	2,490734E+22	2,572980E+22	2,572988E+22	2,490719E+22	2,300350E+22	2,009330E+22	1,695655E+22	1,486950E+22	1,486968E+22	1,695701E+22	2,009367E+22
-827	2,300341E+22	2,490652E+22	2,572865E+22	2,572862E+22	2,490649E+22	2,300349E+22	2,009350E+22	1,695662E+22	1,486925E+22	1,486909E+22	1,695620E+22	2,009293E+22
-826	2,300312E+22	2,490708E+22	2,573010E+22	2,572999E+22	2,490710E+22	2,300354E+22	2,009341E+22	1,695653E+22	1,486919E+22	1,486909E+22	1,695635E+22	2,009346E+22
-825	2,300400E+22	2,490763E+22	2,573015E+22	2,572987E+22	2,490668E+22	2,300292E+22	2,009288E+22	1,695623E+22	1,486916E+22	1,486930E+22	1,695653E+22	2,009316E+22
-824	2,300308E+22	2,490633E+22	2,572884E+22	2,572936E+22	2,490703E+22	2,300344E+22	2,009321E+22	1,695644E+22	1,486921E+22	1,486909E+22	1,695616E+22	2,009281E+22
-823	2,300312E+22	2,490729E+22	2,573023E+22	2,573029E+22	2,490767E+22	2,300390E+22	2,009339E+22	1,695636E+22	1,486916E+22	1,486931E+22	1,695676E+22	2,009371E+22
-822	2,300366E+22	2,490698E+22	2,572953E+22	2,572934E+22	2,490658E+22	2,300327E+22	2,009335E+22	1,695659E+22	1,486938E+22	1,486936E+22	1,695650E+22	2,009316E+22
-821	2,300302E+22	2,490622E+22	2,572895E+22	2,572939E+22	2,490692E+22	2,300357E+22	2,009372E+22	1,695711E+22	1,486989E+22	1,486968E+22	1,695659E+22	2,009315E+22
-820	2,300351E+22	2,490745E+22	2,573003E+22	2,572992E+22	2,490706E+22	2,300343E+22	2,009349E+22	1,695709E+22	1,487026E+22	1,487039E+22	1,695740E+22	2,009371E+22
-819	2,300330E+22	2,490654E+22	2,572886E+22	2,572871E+22	2,490630E+22	2,300325E+22	2,009362E+22	1,695737E+22	1,487054E+22	1,487049E+22	1,695716E+22	2,009314E+22
-818	2,300266E+22	2,490630E+22	2,572947E+22	2,572970E+22	2,490698E+22	2,300355E+22	2,009383E+22	1,695763E+22	1,487087E+22	1,487084E+22	1,695760E+22	2,009392E+22
-817	2,300382E+22	2,490716E+22	2,572968E+22	2,572959E+22	2,490663E+22	2,300307E+22	2,009343E+22	1,695744E+22	1,487098E+22	1,487125E+22	1,695809E+22	2,009409E+22
-816	2,300333E+22	2,490608E+22	2,572824E+22	2,572854E+22	2,490641E+22	2,300336E+22	2,009389E+22	1,695790E+22	1,487117E+22	1,487098E+22	1,695748E+22	2,009342E+22
-815	2,300311E+22	2,490689E+22	2,572975E+22	2,572969E+22	2,490704E+22	2,300373E+22	2,009406E+22	1,695791E+22	1,487120E+22	1,487115E+22	1,695786E+22	2,009412E+22
-814	2,300381E+22	2,490710E+22	2,572967E+22	2,572930E+22	2,490620E+22	2,300291E+22	2,009363E+22	1,695776E+22	1,487117E+22	1,487115E+22	1,695766E+22	2,009346E+22
-813	2,300282E+22	2,490597E+22	2,572871E+22	2,572918E+22	2,490673E+22	2,300338E+22	2,009388E+22	1,695791E+22	1,487119E+22	1,487102E+22	1,695748E+22	2,009326E+22
-812	2,300294E+22	2,490689E+22	2,572986E+22	2,572993E+22	2,490724E+22	2,300363E+22	2,009370E+22	1,695749E+22	1,487091E+22	1,487109E+22	1,695799E+22	2,009412E+22
-811	2,300336E+22	2,490633E+22	2,572874E+22	2,572869E+22	2,490636E+22	2,300337E+22	2,009371E+22	1,695738E+22	1,487054E+22	1,487051E+22	1,695724E+22	2,009334E+22
-810	2,300280E+22	2,490602E+22	2,572890E+22	2,572931E+22	2,490688E+22	2,300360E+22	2,009389E+22	1,695748E+22	1,487042E+22	1,487022E+22	1,695704E+22	2,009363E+22
-809	2,300392E+22	2,490747E+22	2,572977E+22	2,572957E+22	2,490668E+22	2,300307E+22	2,009325E+22	1,695694E+22	1,487013E+22	1,487027E+22	1,695733E+22	2,009377E+22
-808	2,300345E+22	2,490659E+22	2,572873E+22	2,572860E+22	2,490625E+22	2,300309E+22	2,009342E+22	1,695706E+22	1,486999E+22	1,486976E+22	1,695653E+22	2,009284E+22
-807	2,300275E+22	2,490677E+22	2,572999E+22	2,573002E+22	2,490718E+22	2,300356E+22	2,009352E+22	1,695693E+22	1,486988E+22	1,486984E+22	1,695689E+22	2,009361E+22
-806	2,300369E+22	2,490722E+22	2,573001E+22	2,572989E+22	2,490673E+22	2,300297E+22	2,009302E+22	1,695656E+22	1,486969E+22	1,486986E+22	1,695694E+22	2,009332E+22
-805	2,300298E+22	2,490609E+22	2,572856E+22	2,572911E+22	2,490693E+22	2,300353E+22	2,009355E+22	1,695694E+22	1,486984E+22	1,486977E+22	1,695670E+22	2,009301E+22

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	2,300293E+22	2,490688E+22	2,572974E+22	2,572982E+22	2,490733E+22	2,300381E+22	2,009368E+22	1,695705E+22	1,487007E+22	1,487013E+22	1,695726E+22	2,009393E+22
-803	2,300369E+22	2,490685E+22	2,572913E+22	2,572879E+22	2,490625E+22	2,300324E+22	2,009362E+22	1,695725E+22	1,487031E+22	1,487023E+22	1,695695E+22	2,009313E+22
-802	2,300277E+22	2,490606E+22	2,572888E+22	2,572916E+22	2,490657E+22	2,300332E+22	2,009389E+22	1,695780E+22	1,487090E+22	1,487064E+22	1,695716E+22	2,009332E+22
-801	2,300338E+22	2,490715E+22	2,572980E+22	2,572973E+22	2,490675E+22	2,300302E+22	2,009335E+22	1,695748E+22	1,487110E+22	1,487134E+22	1,695815E+22	2,009412E+22
-800	2,300332E+22	2,490628E+22	2,572856E+22	2,572849E+22	2,490611E+22	2,300303E+22	2,009364E+22	1,695782E+22	1,487131E+22	1,487131E+22	1,695777E+22	2,009344E+22
-799	2,300260E+22	2,490601E+22	2,572910E+22	2,572937E+22	2,490682E+22	2,300359E+22	2,009409E+22	1,695813E+22	1,487157E+22	1,487156E+22	1,695814E+22	2,009420E+22
-798	2,300382E+22	2,490705E+22	2,572959E+22	2,572939E+22	2,490640E+22	2,300297E+22	2,009362E+22	1,695793E+22	1,487162E+22	1,487179E+22	1,695834E+22	2,009410E+22
-797	2,300330E+22	2,490618E+22	2,572833E+22	2,572842E+22	2,490621E+22	2,300326E+22	2,009409E+22	1,695840E+22	1,487189E+22	1,487171E+22	1,695789E+22	2,009335E+22
-796	2,300270E+22	2,490648E+22	2,572957E+22	2,572958E+22	2,490686E+22	2,300356E+22	2,009418E+22	1,695847E+22	1,487206E+22	1,487200E+22	1,695837E+22	2,009420E+22
-795	2,300356E+22	2,490668E+22	2,572924E+22	2,572907E+22	2,490630E+22	2,300310E+22	2,009382E+22	1,695819E+22	1,487187E+22	1,487191E+22	1,695817E+22	2,009356E+22
-794	2,300255E+22	2,490558E+22	2,572837E+22	2,572888E+22	2,490660E+22	2,300347E+22	2,009417E+22	1,695841E+22	1,487185E+22	1,487168E+22	1,695796E+22	2,009360E+22
-793	2,300303E+22	2,490657E+22	2,572938E+22	2,572945E+22	2,490684E+22	2,300340E+22	2,009378E+22	1,695789E+22	1,487149E+22	1,487168E+22	1,695846E+22	2,009450E+22
-792	2,300366E+22	2,490638E+22	2,572852E+22	2,572829E+22	2,490593E+22	2,300306E+22	2,009380E+22	1,695790E+22	1,487121E+22	1,487109E+22	1,695754E+22	2,009340E+22
-791	2,300278E+22	2,490603E+22	2,572886E+22	2,572902E+22	2,490649E+22	2,300337E+22	2,009398E+22	1,695793E+22	1,487111E+22	1,487089E+22	1,695741E+22	2,009364E+22
-790	2,300369E+22	2,490736E+22	2,572997E+22	2,572967E+22	2,490650E+22	2,300277E+22	2,009316E+22	1,695723E+22	1,487070E+22	1,487086E+22	1,695766E+22	2,009375E+22
-789	2,300324E+22	2,490646E+22	2,572879E+22	2,572871E+22	2,490633E+22	2,300305E+22	2,009340E+22	1,695728E+22	1,487053E+22	1,487047E+22	1,695710E+22	2,009298E+22
-788	2,300239E+22	2,490616E+22	2,572950E+22	2,572976E+22	2,490713E+22	2,300362E+22	2,009371E+22	1,695735E+22	1,487054E+22	1,487054E+22	1,695741E+22	2,009390E+22
-787	2,300371E+22	2,490687E+22	2,572943E+22	2,572940E+22	2,490669E+22	2,300322E+22	2,009339E+22	1,695710E+22	1,487036E+22	1,487048E+22	1,695730E+22	2,009341E+22
-786	2,300291E+22	2,490596E+22	2,572833E+22	2,572865E+22	2,490654E+22	2,300346E+22	2,009392E+22	1,695769E+22	1,487073E+22	1,487049E+22	1,695704E+22	2,009312E+22
-785	2,300292E+22	2,490670E+22	2,572954E+22	2,572942E+22	2,490678E+22	2,300339E+22	2,009372E+22	1,695763E+22	1,487099E+22	1,487103E+22	1,695780E+22	2,009407E+22
-784	2,300362E+22	2,490672E+22	2,572904E+22	2,572864E+22	2,490592E+22	2,300284E+22	2,009360E+22	1,695783E+22	1,487127E+22	1,487121E+22	1,695757E+22	2,009322E+22
-783	2,300246E+22	2,490566E+22	2,572863E+22	2,572901E+22	2,490649E+22	2,300326E+22	2,009396E+22	1,695824E+22	1,487173E+22	1,487160E+22	1,695792E+22	2,009365E+22
-782	2,300322E+22	2,490680E+22	2,572964E+22	2,572961E+22	2,490665E+22	2,300297E+22	2,009346E+22	1,695785E+22	1,487171E+22	1,487203E+22	1,695869E+22	2,009444E+22
-781	2,300342E+22	2,490620E+22	2,572841E+22	2,572830E+22	2,490600E+22	2,300306E+22	2,009387E+22	1,695826E+22	1,487196E+22	1,487202E+22	1,695830E+22	2,009365E+22
-780	2,300253E+22	2,490574E+22	2,572876E+22	2,572901E+22	2,490657E+22	2,300356E+22	2,009439E+22	1,695879E+22	1,487243E+22	1,487232E+22	1,695855E+22	2,009432E+22
-779	2,300383E+22	2,490697E+22	2,572934E+22	2,572906E+22	2,490625E+22	2,300305E+22	2,009393E+22	1,695856E+22	1,487247E+22	1,487255E+22	1,695870E+22	2,009397E+22
-778	2,300294E+22	2,490594E+22	2,572832E+22	2,572833E+22	2,490602E+22	2,300317E+22	2,009434E+22	1,695906E+22	1,487281E+22	1,487256E+22	1,695839E+22	2,009348E+22
-777	2,300247E+22	2,490597E+22	2,572918E+22	2,572934E+22	2,490665E+22	2,300334E+22	2,009415E+22	1,695885E+22	1,487281E+22	1,487285E+22	1,695904E+22	2,009455E+22
-776	2,300356E+22	2,490634E+22	2,572877E+22	2,572866E+22	2,490599E+22	2,300293E+22	2,009393E+22	1,695863E+22	1,487252E+22	1,487260E+22	1,695869E+22	2,009382E+22
-775	2,300255E+22	2,490532E+22	2,572795E+22	2,572840E+22	2,490626E+22	2,300338E+22	2,009436E+22	1,695885E+22	1,487245E+22	1,487227E+22	1,695840E+22	2,009385E+22
-774	2,300314E+22	2,490661E+22	2,572938E+22	2,572916E+22	2,490638E+22	2,300306E+22	2,009377E+22	1,695821E+22	1,487197E+22	1,487210E+22	1,695864E+22	2,009450E+22
-773	2,300370E+22	2,490655E+22	2,572874E+22	2,572827E+22	2,490566E+22	2,300278E+22	2,009374E+22	1,695815E+22	1,487176E+22	1,487170E+22	1,695789E+22	2,009331E+22
-772	2,300244E+22	2,490570E+22	2,572880E+22	2,572908E+22	2,490644E+22	2,300323E+22	2,009397E+22	1,695827E+22	1,487176E+22	1,487158E+22	1,695785E+22	2,009369E+22
-771	2,300347E+22	2,490701E+22	2,572964E+22	2,572957E+22	2,490673E+22	2,300304E+22	2,009334E+22	1,695755E+22	1,487126E+22	1,487147E+22	1,695806E+22	2,009376E+22
-770	2,300294E+22	2,490608E+22	2,572855E+22	2,572854E+22	2,490632E+22	2,300327E+22	2,009380E+22	1,695784E+22	1,487120E+22	1,487109E+22	1,695751E+22	2,009323E+22
-769	2,300241E+22	2,490571E+22	2,572897E+22	2,572931E+22	2,490682E+22	2,300353E+22	2,009393E+22	1,695790E+22	1,487129E+22	1,487125E+22	1,695788E+22	2,009413E+22

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°
-768	2,300382E+22	2,490676E+22	2,572909E+22	2,572891E+22	2,490621E+22	2,300300E+22	2,009365E+22	1,695781E+22	1,487126E+22	1,487127E+22	1,695773E+22	2,009345E+22
-767	2,300276E+22	2,490578E+22	2,572817E+22	2,572830E+22	2,490608E+22	2,300321E+22	2,009408E+22	1,695831E+22	1,487168E+22	1,487145E+22	1,695767E+22	2,009325E+22
-766	2,300269E+22	2,490648E+22	2,572954E+22	2,572932E+22	2,490643E+22	2,300300E+22	2,009363E+22	1,695803E+22	1,487177E+22	1,487189E+22	1,695842E+22	2,009428E+22
-765	2,300354E+22	2,490653E+22	2,572894E+22	2,572859E+22	2,490585E+22	2,300271E+22	2,009354E+22	1,695807E+22	1,487196E+22	1,487213E+22	1,695835E+22	2,009356E+22
-764	2,300232E+22	2,490520E+22	2,572818E+22	2,572869E+22	2,490633E+22	2,300327E+22	2,009414E+22	1,695867E+22	1,487244E+22	1,487239E+22	1,695854E+22	2,009404E+22
-763	2,300340E+22	2,490665E+22	2,572918E+22	2,572919E+22	2,490657E+22	2,300316E+22	2,009381E+22	1,695841E+22	1,487242E+22	1,487265E+22	1,695903E+22	2,009449E+22
-762	2,300341E+22	2,490623E+22	2,572840E+22	2,572807E+22	2,490572E+22	2,300304E+22	2,009426E+22	1,695902E+22	1,487286E+22	1,487270E+22	1,695858E+22	2,009369E+22
-761	2,300246E+22	2,490551E+22	2,572859E+22	2,572878E+22	2,490620E+22	2,300327E+22	2,009450E+22	1,695941E+22	1,487336E+22	1,487319E+22	1,695902E+22	2,009431E+22
-760	2,300361E+22	2,490674E+22	2,572923E+22	2,572898E+22	2,490604E+22	2,300285E+22	2,009408E+22	1,695917E+22	1,487336E+22	1,487345E+22	1,695926E+22	2,009399E+22
-759	2,300255E+22	2,490545E+22	2,572798E+22	2,572811E+22	2,490588E+22	2,300316E+22	2,009451E+22	1,695953E+22	1,487357E+22	1,487342E+22	1,695908E+22	2,009374E+22
-758	2,300226E+22	2,490556E+22	2,572886E+22	2,572903E+22	2,490636E+22	2,300322E+22	2,009426E+22	1,695919E+22	1,487335E+22	1,487345E+22	1,695951E+22	2,009483E+22
-757	2,300369E+22	2,490627E+22	2,572856E+22	2,572839E+22	2,490575E+22	2,300280E+22	2,009399E+22	1,695892E+22	1,487307E+22	1,487323E+22	1,695916E+22	2,009400E+22
-756	2,300255E+22	2,490515E+22	2,572765E+22	2,572802E+22	2,490589E+22	2,300319E+22	2,009445E+22	1,695927E+22	1,487310E+22	1,487289E+22	1,695875E+22	2,009395E+22
-755	2,300318E+22	2,490663E+22	2,572925E+22	2,572898E+22	2,490625E+22	2,300301E+22	2,009388E+22	1,695860E+22	1,487259E+22	1,487269E+22	1,695893E+22	2,009439E+22
-754	2,300341E+22	2,490641E+22	2,572887E+22	2,572841E+22	2,490562E+22	2,300269E+22	2,009385E+22	1,695859E+22	1,487242E+22	1,487232E+22	1,695829E+22	2,009344E+22
-753	2,300225E+22	2,490521E+22	2,572843E+22	2,572894E+22	2,490637E+22	2,300317E+22	2,009400E+22	1,695857E+22	1,487235E+22	1,487227E+22	1,695839E+22	2,009392E+22
-752	2,300343E+22	2,490670E+22	2,572923E+22	2,572923E+22	2,490652E+22	2,300307E+22	2,009364E+22	1,695805E+22	1,487187E+22	1,487208E+22	1,695848E+22	2,009391E+22
-751	2,300285E+22	2,490579E+22	2,572812E+22	2,572809E+22	2,490598E+22	2,300327E+22	2,009414E+22	1,695844E+22	1,487193E+22	1,487177E+22	1,695795E+22	2,009338E+22
-750	2,300238E+22	2,490564E+22	2,572882E+22	2,572893E+22	2,490632E+22	2,300324E+22	2,009404E+22	1,695842E+22	1,487202E+22	1,487191E+22	1,695824E+22	2,009416E+22
-749	2,300377E+22	2,490678E+22	2,572913E+22	2,572880E+22	2,490588E+22	2,300269E+22	2,009362E+22	1,695820E+22	1,487206E+22	1,487219E+22	1,695833E+22	2,009350E+22
-748	2,300246E+22	2,490539E+22	2,572793E+22	2,572820E+22	2,490591E+22	2,300301E+22	2,009409E+22	1,695875E+22	1,487251E+22	1,487237E+22	1,695836E+22	2,009352E+22
-747	2,300263E+22	2,490619E+22	2,572916E+22	2,572914E+22	2,490649E+22	2,300312E+22	2,009379E+22	1,695843E+22	1,487246E+22	1,487266E+22	1,695900E+22	2,009448E+22
-746	2,300341E+22	2,490629E+22	2,572878E+22	2,572846E+22	2,490575E+22	2,300281E+22	2,009391E+22	1,695868E+22	1,487271E+22	1,487281E+22	1,695885E+22	2,009392E+22
-745	2,300246E+22	2,490496E+22	2,572778E+22	2,572833E+22	2,490604E+22	2,300318E+22	2,009438E+22	1,695928E+22	1,487326E+22	1,487316E+22	1,695901E+22	2,009421E+22
-744	2,300349E+22	2,490667E+22	2,572901E+22	2,572880E+22	2,490612E+22	2,300302E+22	2,009416E+22	1,695918E+22	1,487335E+22	1,487347E+22	1,695942E+22	2,009440E+22
-743	2,300311E+22	2,490600E+22	2,572831E+22	2,572791E+22	2,490540E+22	2,300289E+22	2,009452E+22	1,695973E+22	1,487386E+22	1,487367E+22	1,695918E+22	2,009370E+22
-742	2,300208E+22	2,490515E+22	2,572846E+22	2,572872E+22	2,490597E+22	2,300297E+22	2,009446E+22	1,695984E+22	1,487416E+22	1,487405E+22	1,695963E+22	2,009446E+22
-741	2,300336E+22	2,490635E+22	2,572891E+22	2,572882E+22	2,490594E+22	2,300275E+22	2,009405E+22	1,695942E+22	1,487403E+22	1,487433E+22	1,696000E+22	2,009432E+22
-740	2,300240E+22	2,490493E+22	2,572739E+22	2,572767E+22	2,490561E+22	2,300311E+22	2,009467E+22	1,695992E+22	1,487418E+22	1,487411E+22	1,695966E+22	2,009415E+22
-739	2,300248E+22	2,490547E+22	2,572837E+22	2,572853E+22	2,490609E+22	2,300319E+22	2,009446E+22	1,695962E+22	1,487391E+22	1,487394E+22	1,695980E+22	2,009489E+22
-738	2,300371E+22	2,490640E+22	2,572862E+22	2,572821E+22	2,490541E+22	2,300263E+22	2,009418E+22	1,695945E+22	1,487373E+22	1,487373E+22	1,695939E+22	2,009408E+22
-737	2,300253E+22	2,490505E+22	2,572759E+22	2,572793E+22	2,490561E+22	2,300287E+22	2,009439E+22	1,695962E+22	1,487375E+22	1,487354E+22	1,695912E+22	2,009395E+22
-736	2,300302E+22	2,490648E+22	2,572918E+22	2,572897E+22	2,490614E+22	2,300291E+22	2,009400E+22	1,695902E+22	1,487320E+22	1,487332E+22	1,695933E+22	2,009437E+22
-735	2,300303E+22	2,490599E+22	2,572861E+22	2,572836E+22	2,490564E+22	2,300284E+22	2,009411E+22	1,695900E+22	1,487302E+22	1,487298E+22	1,695880E+22	2,009361E+22
-734	2,300206E+22	2,490487E+22	2,572810E+22	2,572867E+22	2,490617E+22	2,300314E+22	2,009421E+22	1,695898E+22	1,487289E+22	1,487280E+22	1,695877E+22	2,009409E+22
-733	2,300343E+22	2,490657E+22	2,572895E+22	2,572894E+22	2,490628E+22	2,300301E+22	2,009382E+22	1,695849E+22	1,487255E+22	1,487279E+22	1,695894E+22	2,009401E+22

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°
-732	2,300275E+22	2,490557E+22	2,572777E+22	2,572765E+22	2,490554E+22	2,300308E+22	2,009435E+22	1,695903E+22	1,487278E+22	1,487258E+22	1,695846E+22	2,009352E+22
-731	2,300234E+22	2,490554E+22	2,572857E+22	2,572867E+22	2,490604E+22	2,300304E+22	2,009415E+22	1,695895E+22	1,487285E+22	1,487274E+22	1,695875E+22	2,009419E+22
-730	2,300351E+22	2,490660E+22	2,572912E+22	2,572883E+22	2,490576E+22	2,300251E+22	2,009369E+22	1,695871E+22	1,487288E+22	1,487301E+22	1,695898E+22	2,009388E+22
-729	2,300241E+22	2,490496E+22	2,572748E+22	2,572794E+22	2,490573E+22	2,300285E+22	2,009408E+22	1,695909E+22	1,487321E+22	1,487320E+22	1,695903E+22	2,009391E+22
-728	2,300274E+22	2,490605E+22	2,572883E+22	2,572879E+22	2,490618E+22	2,300308E+22	2,009412E+22	1,695900E+22	1,487316E+22	1,487335E+22	1,695948E+22	2,009468E+22
-727	2,300339E+22	2,490615E+22	2,572856E+22	2,572818E+22	2,490544E+22	2,300276E+22	2,009424E+22	1,695935E+22	1,487354E+22	1,487355E+22	1,695927E+22	2,009396E+22
-726	2,300233E+22	2,490492E+22	2,572774E+22	2,572808E+22	2,490563E+22	2,300292E+22	2,009454E+22	1,695987E+22	1,487411E+22	1,487391E+22	1,695938E+22	2,009413E+22
-725	2,300321E+22	2,490653E+22	2,572904E+22	2,572883E+22	2,490598E+22	2,300284E+22	2,009420E+22	1,695964E+22	1,487426E+22	1,487446E+22	1,696001E+22	2,009438E+22
-724	2,300265E+22	2,490544E+22	2,572790E+22	2,572775E+22	2,490531E+22	2,300283E+22	2,009466E+22	1,696025E+22	1,487473E+22	1,487463E+22	1,695990E+22	2,009398E+22
-723	2,300193E+22	2,490470E+22	2,572785E+22	2,572838E+22	2,490596E+22	2,300310E+22	2,009471E+22	1,696030E+22	1,487486E+22	1,487480E+22	1,696022E+22	2,009472E+22
-722	2,300326E+22	2,490607E+22	2,572859E+22	2,572855E+22	2,490574E+22	2,300275E+22	2,009435E+22	1,695999E+22	1,487470E+22	1,487492E+22	1,696048E+22	2,009476E+22
-721	2,300260E+22	2,490474E+22	2,572694E+22	2,572719E+22	2,490519E+22	2,300287E+22	2,009476E+22	1,696038E+22	1,487486E+22	1,487474E+22	1,696007E+22	2,009436E+22
-720	2,300266E+22	2,490565E+22	2,572834E+22	2,572818E+22	2,490556E+22	2,300293E+22	2,009467E+22	1,696016E+22	1,487459E+22	1,487455E+22	1,696010E+22	2,009483E+22
-719	2,300348E+22	2,490631E+22	2,572869E+22	2,572823E+22	2,490519E+22	2,300242E+22	2,009428E+22	1,695991E+22	1,487445E+22	1,487445E+22	1,695982E+22	2,009405E+22
-718	2,300221E+22	2,490486E+22	2,572756E+22	2,572798E+22	2,490554E+22	2,300269E+22	2,009433E+22	1,695988E+22	1,487430E+22	1,487416E+22	1,695956E+22	2,009404E+22
-717	2,300278E+22	2,490618E+22	2,572895E+22	2,572892E+22	2,490620E+22	2,300297E+22	2,009404E+22	1,695923E+22	1,487373E+22	1,487399E+22	1,695982E+22	2,009453E+22
-716	2,300284E+22	2,490552E+22	2,572805E+22	2,572797E+22	2,490548E+22	2,300290E+22	2,009442E+22	1,695949E+22	1,487362E+22	1,487356E+22	1,695924E+22	2,009388E+22
-715	2,300217E+22	2,490474E+22	2,572759E+22	2,572821E+22	2,490592E+22	2,300311E+22	2,009450E+22	1,695955E+22	1,487356E+22	1,487335E+22	1,695906E+22	2,009410E+22
-714	2,300327E+22	2,490652E+22	2,572891E+22	2,572875E+22	2,490593E+22	2,300280E+22	2,009404E+22	1,695912E+22	1,487335E+22	1,487344E+22	1,695933E+22	2,009418E+22
-713	2,300264E+22	2,490534E+22	2,572758E+22	2,572748E+22	2,490521E+22	2,300269E+22	2,009427E+22	1,695945E+22	1,487359E+22	1,487345E+22	1,695906E+22	2,009370E+22
-712	2,300223E+22	2,490541E+22	2,572843E+22	2,572848E+22	2,490575E+22	2,300284E+22	2,009425E+22	1,695939E+22	1,487357E+22	1,487355E+22	1,695935E+22	2,009436E+22
-711	2,300325E+22	2,490624E+22	2,572885E+22	2,572870E+22	2,490567E+22	2,300255E+22	2,009390E+22	1,695917E+22	1,487360E+22	1,487380E+22	1,695959E+22	2,009416E+22
-710	2,300236E+22	2,490480E+22	2,572724E+22	2,572771E+22	2,490551E+22	2,300275E+22	2,009423E+22	1,695955E+22	1,487386E+22	1,487383E+22	1,695946E+22	2,009410E+22
-709	2,300277E+22	2,490599E+22	2,572862E+22	2,572856E+22	2,490599E+22	2,300302E+22	2,009428E+22	1,695951E+22	1,487397E+22	1,487414E+22	1,695991E+22	2,009471E+22
-708	2,300319E+22	2,490591E+22	2,572828E+22	2,572789E+22	2,490516E+22	2,300267E+22	2,009454E+22	1,696006E+22	1,487450E+22	1,487445E+22	1,695981E+22	2,009405E+22
-707	2,300214E+22	2,490468E+22	2,572744E+22	2,572791E+22	2,490549E+22	2,300280E+22	2,009473E+22	1,696051E+22	1,487504E+22	1,487482E+22	1,695996E+22	2,009416E+22
-706	2,300276E+22	2,490610E+22	2,572883E+22	2,572879E+22	2,490592E+22	2,300278E+22	2,009438E+22	1,696022E+22	1,487513E+22	1,487532E+22	1,696072E+22	2,009481E+22
-705	2,300255E+22	2,490491E+22	2,572727E+22	2,572730E+22	2,490505E+22	2,300269E+22	2,009473E+22	1,696066E+22	1,487548E+22	1,487549E+22	1,696060E+22	2,009443E+22
-704	2,300211E+22	2,490459E+22	2,572742E+22	2,572778E+22	2,490542E+22	2,300295E+22	2,009501E+22	1,696085E+22	1,487552E+22	1,487545E+22	1,696067E+22	2,009495E+22
-703	2,300332E+22	2,490604E+22	2,572840E+22	2,572818E+22	2,490533E+22	2,300257E+22	2,009456E+22	1,696055E+22	1,487544E+22	1,487556E+22	1,696083E+22	2,009482E+22
-702	2,300259E+22	2,490491E+22	2,572705E+22	2,572703E+22	2,490479E+22	2,300248E+22	2,009472E+22	1,696076E+22	1,487550E+22	1,487532E+22	1,696034E+22	2,009430E+22
-701	2,300248E+22	2,490563E+22	2,572851E+22	2,572836E+22	2,490554E+22	2,300271E+22	2,009455E+22	1,696042E+22	1,487525E+22	1,487528E+22	1,696051E+22	2,009477E+22
-700	2,300307E+22	2,490586E+22	2,572845E+22	2,572825E+22	2,490530E+22	2,300249E+22	2,009442E+22	1,696028E+22	1,487506E+22	1,487513E+22	1,696033E+22	2,009422E+22
-699	2,300201E+22	2,490444E+22	2,572710E+22	2,572781E+22	2,490566E+22	2,300289E+22	2,009463E+22	1,696031E+22	1,487485E+22	1,487471E+22	1,695995E+22	2,009416E+22
-698	2,300255E+22	2,490584E+22	2,572865E+22	2,572873E+22	2,490614E+22	2,300309E+22	2,009442E+22	1,695982E+22	1,487438E+22	1,487450E+22	1,696019E+22	2,009483E+22
-697	2,300289E+22	2,490525E+22	2,572752E+22	2,572740E+22	2,490506E+22	2,300271E+22	2,009457E+22	1,696004E+22	1,487439E+22	1,487427E+22	1,695966E+22	2,009405E+22

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	2,300223E+22	2,490479E+22	2,572743E+22	2,572772E+22	2,490531E+22	2,300281E+22	2,009472E+22	1,696014E+22	1,487436E+22	1,487411E+22	1,695950E+22	2,009415E+22
-695	2,300303E+22	2,490631E+22	2,572886E+22	2,572866E+22	2,490562E+22	2,300247E+22	2,009404E+22	1,695960E+22	1,487417E+22	1,487431E+22	1,695993E+22	2,009433E+22
-694	2,300243E+22	2,490512E+22	2,572743E+22	2,572736E+22	2,490502E+22	2,300239E+22	2,009410E+22	1,695967E+22	1,487419E+22	1,487419E+22	1,695967E+22	2,009400E+22
-693	2,300217E+22	2,490520E+22	2,572822E+22	2,572837E+22	2,490572E+22	2,300279E+22	2,009421E+22	1,695960E+22	1,487416E+22	1,487428E+22	1,695990E+22	2,009464E+22
-692	2,300321E+22	2,490593E+22	2,572841E+22	2,572833E+22	2,490549E+22	2,300258E+22	2,009421E+22	1,695971E+22	1,487428E+22	1,487445E+22	1,696003E+22	2,009439E+22
-691	2,300246E+22	2,490475E+22	2,572693E+22	2,572739E+22	2,490533E+22	2,300274E+22	2,009457E+22	1,696021E+22	1,487467E+22	1,487448E+22	1,695975E+22	2,009403E+22
-690	2,300250E+22	2,490587E+22	2,572865E+22	2,572851E+22	2,490581E+22	2,300293E+22	2,009458E+22	1,696026E+22	1,487492E+22	1,487491E+22	1,696033E+22	2,009478E+22
-689	2,300291E+22	2,490549E+22	2,572795E+22	2,572769E+22	2,490495E+22	2,300245E+22	2,009463E+22	1,696066E+22	1,487549E+22	1,487546E+22	1,696048E+22	2,009422E+22
-688	2,300193E+22	2,490438E+22	2,572711E+22	2,572754E+22	2,490519E+22	2,300275E+22	2,009502E+22	1,696110E+22	1,487589E+22	1,487574E+22	1,696065E+22	2,009442E+22
-687	2,300251E+22	2,490561E+22	2,572841E+22	2,572846E+22	2,490570E+22	2,300277E+22	2,009466E+22	1,696081E+22	1,487594E+22	1,487617E+22	1,696136E+22	2,009514E+22
-686	2,300260E+22	2,490479E+22	2,572697E+22	2,572688E+22	2,490465E+22	2,300245E+22	2,009482E+22	1,696110E+22	1,487616E+22	1,487616E+22	1,696108E+22	2,009470E+22
-685	2,300226E+22	2,490468E+22	2,572735E+22	2,572752E+22	2,490511E+22	2,300270E+22	2,009497E+22	1,696124E+22	1,487627E+22	1,487619E+22	1,696106E+22	2,009499E+22
-684	2,300320E+22	2,490594E+22	2,572831E+22	2,572800E+22	2,490506E+22	2,300239E+22	2,009470E+22	1,696108E+22	1,487622E+22	1,487631E+22	1,696127E+22	2,009487E+22
-683	2,300244E+22	2,490475E+22	2,572699E+22	2,572712E+22	2,490482E+22	2,300237E+22	2,009477E+22	1,696118E+22	1,487618E+22	1,487600E+22	1,696075E+22	2,009429E+22
-682	2,300207E+22	2,490521E+22	2,572837E+22	2,572846E+22	2,490571E+22	2,300282E+22	2,009471E+22	1,696083E+22	1,487584E+22	1,487587E+22	1,696099E+22	2,009508E+22
-681	2,300293E+22	2,490532E+22	2,572787E+22	2,572788E+22	2,490521E+22	2,300254E+22	2,009459E+22	1,696066E+22	1,487565E+22	1,487576E+22	1,696083E+22	2,009453E+22
-680	2,300212E+22	2,490432E+22	2,572669E+22	2,572715E+22	2,490515E+22	2,300284E+22	2,009500E+22	1,696085E+22	1,487545E+22	1,487525E+22	1,696029E+22	2,009426E+22
-679	2,300245E+22	2,490563E+22	2,572837E+22	2,572829E+22	2,490571E+22	2,300291E+22	2,009464E+22	1,696041E+22	1,487514E+22	1,487516E+22	1,696052E+22	2,009483E+22
-678	2,300281E+22	2,490529E+22	2,572752E+22	2,572714E+22	2,490461E+22	2,300226E+22	2,009444E+22	1,696038E+22	1,487508E+22	1,487497E+22	1,696007E+22	2,009410E+22
-677	2,300209E+22	2,490470E+22	2,572746E+22	2,572772E+22	2,490516E+22	2,300247E+22	2,009446E+22	1,696036E+22	1,487505E+22	1,487492E+22	1,696003E+22	2,009425E+22
-676	2,300277E+22	2,490591E+22	2,572856E+22	2,572851E+22	2,490560E+22	2,300247E+22	2,009415E+22	1,695996E+22	1,487481E+22	1,487504E+22	1,696052E+22	2,009466E+22
-675	2,300243E+22	2,490483E+22	2,572711E+22	2,572721E+22	2,490504E+22	2,300247E+22	2,009433E+22	1,696010E+22	1,487476E+22	1,487476E+22	1,696006E+22	2,009417E+22
-674	2,300208E+22	2,490499E+22	2,572804E+22	2,572824E+22	2,490568E+22	2,300290E+22	2,009458E+22	1,696023E+22	1,487485E+22	1,487482E+22	1,696025E+22	2,009486E+22
-673	2,300323E+22	2,490574E+22	2,572804E+22	2,572789E+22	2,490519E+22	2,300249E+22	2,009446E+22	1,696037E+22	1,487520E+22	1,487527E+22	1,696047E+22	2,009445E+22
-672	2,300238E+22	2,490474E+22	2,572686E+22	2,572696E+22	2,490481E+22	2,300258E+22	2,009493E+22	1,696098E+22	1,487568E+22	1,487543E+22	1,696027E+22	2,009401E+22
-671	2,300206E+22	2,490539E+22	2,572846E+22	2,572842E+22	2,490564E+22	2,300276E+22	2,009475E+22	1,696095E+22	1,487599E+22	1,487599E+22	1,696103E+22	2,009491E+22
-670	2,300264E+22	2,490512E+22	2,572760E+22	2,572739E+22	2,490472E+22	2,300223E+22	2,009459E+22	1,696105E+22	1,487631E+22	1,487641E+22	1,696123E+22	2,009461E+22
-669	2,300192E+22	2,490409E+22	2,572676E+22	2,572720E+22	2,490496E+22	2,300259E+22	2,009500E+22	1,696146E+22	1,487665E+22	1,487660E+22	1,696129E+22	2,009478E+22
-668	2,300258E+22	2,490535E+22	2,572797E+22	2,572797E+22	2,490534E+22	2,300266E+22	2,009490E+22	1,696137E+22	1,487669E+22	1,487688E+22	1,696186E+22	2,009543E+22
-667	2,300277E+22	2,490480E+22	2,572685E+22	2,572666E+22	2,490438E+22	2,300227E+22	2,009496E+22	1,696162E+22	1,487688E+22	1,487679E+22	1,696137E+22	2,009467E+22
-666	2,300210E+22	2,490467E+22	2,572756E+22	2,572766E+22	2,490504E+22	2,300259E+22	2,009510E+22	1,696175E+22	1,487699E+22	1,487683E+22	1,696144E+22	2,009507E+22
-665	2,300297E+22	2,490560E+22	2,572808E+22	2,572791E+22	2,490503E+22	2,300230E+22	2,009473E+22	1,696146E+22	1,487695E+22	1,487709E+22	1,696178E+22	2,009497E+22
-664	2,300223E+22	2,490446E+22	2,572675E+22	2,572683E+22	2,490470E+22	2,300253E+22	2,009511E+22	1,696163E+22	1,487680E+22	1,487666E+22	1,696123E+22	2,009442E+22
-663	2,300179E+22	2,490466E+22	2,572796E+22	2,572822E+22	2,490562E+22	2,300293E+22	2,009505E+22	1,696137E+22	1,487651E+22	1,487649E+22	1,696139E+22	2,009520E+22
-662	2,300291E+22	2,490512E+22	2,572745E+22	2,572738E+22	2,490482E+22	2,300236E+22	2,009471E+22	1,696109E+22	1,487625E+22	1,487633E+22	1,696119E+22	2,009469E+22
-661	2,300220E+22	2,490433E+22	2,572656E+22	2,572677E+22	2,490472E+22	2,300255E+22	2,009496E+22	1,696124E+22	1,487618E+22	1,487595E+22	1,696066E+22	2,009430E+22

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°
-660	2,300233E+22	2,490544E+22	2,572821E+22	2,572798E+22	2,490530E+22	2,300262E+22	2,009471E+22	1,696088E+22	1,487588E+22	1,487592E+22	1,696102E+22	2,009496E+22
-659	2,300270E+22	2,490506E+22	2,572743E+22	2,572717E+22	2,490452E+22	2,300203E+22	2,009437E+22	1,696069E+22	1,487571E+22	1,487567E+22	1,696056E+22	2,009423E+22
-658	2,300188E+22	2,490439E+22	2,572737E+22	2,572779E+22	2,490526E+22	2,300251E+22	2,009451E+22	1,696064E+22	1,487557E+22	1,487551E+22	1,696057E+22	2,009462E+22
-657	2,300278E+22	2,490553E+22	2,572807E+22	2,572812E+22	2,490545E+22	2,300249E+22	2,009431E+22	1,696036E+22	1,487542E+22	1,487568E+22	1,696099E+22	2,009492E+22
-656	2,300259E+22	2,490484E+22	2,572689E+22	2,572670E+22	2,490463E+22	2,300250E+22	2,009476E+22	1,696073E+22	1,487548E+22	1,487537E+22	1,696038E+22	2,009419E+22
-655	2,300192E+22	2,490477E+22	2,572791E+22	2,572800E+22	2,490539E+22	2,300282E+22	2,009492E+22	1,696099E+22	1,487582E+22	1,487564E+22	1,696059E+22	2,009471E+22
-654	2,300299E+22	2,490562E+22	2,572800E+22	2,572772E+22	2,490486E+22	2,300220E+22	2,009450E+22	1,696092E+22	1,487612E+22	1,487621E+22	1,696103E+22	2,009449E+22
-653	2,300210E+22	2,490445E+22	2,572676E+22	2,572688E+22	2,490467E+22	2,300236E+22	2,009486E+22	1,696143E+22	1,487664E+22	1,487648E+22	1,696099E+22	2,009419E+22
-652	2,300175E+22	2,490479E+22	2,572794E+22	2,572807E+22	2,490550E+22	2,300281E+22	2,009499E+22	1,696149E+22	1,487684E+22	1,487695E+22	1,696181E+22	2,009534E+22
-651	2,300267E+22	2,490474E+22	2,572717E+22	2,572713E+22	2,490456E+22	2,300219E+22	2,009480E+22	1,696157E+22	1,487705E+22	1,487717E+22	1,696180E+22	2,009493E+22
-650	2,300200E+22	2,490395E+22	2,572652E+22	2,572696E+22	2,490476E+22	2,300254E+22	2,009523E+22	1,696201E+22	1,487736E+22	1,487724E+22	1,696177E+22	2,009510E+22
-649	2,300271E+22	2,490527E+22	2,572770E+22	2,572754E+22	2,490494E+22	2,300246E+22	2,009505E+22	1,696193E+22	1,487752E+22	1,487768E+22	1,696233E+22	2,009554E+22
-648	2,300278E+22	2,490489E+22	2,572695E+22	2,572641E+22	2,490394E+22	2,300208E+22	2,009518E+22	1,696218E+22	1,487767E+22	1,487756E+22	1,696181E+22	2,009462E+22
-647	2,300170E+22	2,490423E+22	2,572743E+22	2,572771E+22	2,490503E+22	2,300253E+22	2,009523E+22	1,696224E+22	1,487778E+22	1,487764E+22	1,696193E+22	2,009507E+22
-646	2,300272E+22	2,490527E+22	2,572775E+22	2,572768E+22	2,490495E+22	2,300227E+22	2,009476E+22	1,696173E+22	1,487751E+22	1,487776E+22	1,696230E+22	2,009521E+22
-645	2,300219E+22	2,490419E+22	2,572641E+22	2,572647E+22	2,490445E+22	2,300245E+22	2,009517E+22	1,696199E+22	1,487741E+22	1,487728E+22	1,696163E+22	2,009460E+22
-644	2,300177E+22	2,490434E+22	2,572745E+22	2,572767E+22	2,490523E+22	2,300287E+22	2,009534E+22	1,696193E+22	1,487718E+22	1,487708E+22	1,696175E+22	2,009532E+22
-643	2,300294E+22	2,490503E+22	2,572733E+22	2,572717E+22	2,490445E+22	2,300207E+22	2,009478E+22	1,696155E+22	1,487692E+22	1,487691E+22	1,696146E+22	2,009463E+22
-642	2,300202E+22	2,490423E+22	2,572667E+22	2,572685E+22	2,490457E+22	2,300232E+22	2,009495E+22	1,696161E+22	1,487678E+22	1,487657E+22	1,696111E+22	2,009444E+22
-641	2,300216E+22	2,490513E+22	2,572795E+22	2,572783E+22	2,490516E+22	2,300246E+22	2,009466E+22	1,696118E+22	1,487653E+22	1,487668E+22	1,696160E+22	2,009517E+22
-640	2,300263E+22	2,490490E+22	2,572727E+22	2,572689E+22	2,490434E+22	2,300213E+22	2,009463E+22	1,696106E+22	1,487626E+22	1,487630E+22	1,696105E+22	2,009441E+22
-639	2,300173E+22	2,490400E+22	2,572709E+22	2,572765E+22	2,490522E+22	2,300263E+22	2,009485E+22	1,696119E+22	1,487626E+22	1,487615E+22	1,696093E+22	2,009469E+22
-638	2,300282E+22	2,490547E+22	2,572777E+22	2,572774E+22	2,490517E+22	2,300241E+22	2,009449E+22	1,696086E+22	1,487614E+22	1,487634E+22	1,696136E+22	2,009499E+22
-637	2,300257E+22	2,490483E+22	2,572685E+22	2,572646E+22	2,490429E+22	2,300229E+22	2,009486E+22	1,696132E+22	1,487643E+22	1,487625E+22	1,696084E+22	2,009418E+22
-636	2,300165E+22	2,490439E+22	2,572764E+22	2,572777E+22	2,490511E+22	2,300267E+22	2,009515E+22	1,696167E+22	1,487682E+22	1,487665E+22	1,696127E+22	2,009484E+22
-635	2,300269E+22	2,490512E+22	2,572772E+22	2,572769E+22	2,490477E+22	2,300204E+22	2,009456E+22	1,696142E+22	1,487699E+22	1,487716E+22	1,696175E+22	2,009476E+22
-634	2,300190E+22	2,490402E+22	2,572645E+22	2,572675E+22	2,490462E+22	2,300239E+22	2,009502E+22	1,696185E+22	1,487732E+22	1,487729E+22	1,696176E+22	2,009472E+22
-633	2,300188E+22	2,490445E+22	2,572731E+22	2,572743E+22	2,490506E+22	2,300268E+22	2,009518E+22	1,696199E+22	1,487759E+22	1,487775E+22	1,696242E+22	2,009571E+22
-632	2,300292E+22	2,490484E+22	2,572695E+22	2,572653E+22	2,490401E+22	2,300208E+22	2,009512E+22	1,696217E+22	1,487781E+22	1,487785E+22	1,696219E+22	2,009501E+22
-631	2,300195E+22	2,490390E+22	2,572654E+22	2,572684E+22	2,490448E+22	2,300236E+22	2,009540E+22	1,696264E+22	1,487824E+22	1,487801E+22	1,696208E+22	2,009496E+22
-630	2,300254E+22	2,490524E+22	2,572769E+22	2,572746E+22	2,490469E+22	2,300218E+22	2,009500E+22	1,696233E+22	1,487829E+22	1,487846E+22	1,696279E+22	2,009554E+22
-629	2,300250E+22	2,490465E+22	2,572691E+22	2,572648E+22	2,490395E+22	2,300199E+22	2,009516E+22	1,696256E+22	1,487843E+22	1,487835E+22	1,696234E+22	2,009471E+22
-628	2,300137E+22	2,490366E+22	2,572695E+22	2,572746E+22	2,490498E+22	2,300269E+22	2,009557E+22	1,696276E+22	1,487846E+22	1,487835E+22	1,696248E+22	2,009527E+22
-627	2,300257E+22	2,490483E+22	2,572734E+22	2,572748E+22	2,490480E+22	2,300228E+22	2,009503E+22	1,696223E+22	1,487812E+22	1,487832E+22	1,696267E+22	2,009535E+22
-626	2,300216E+22	2,490402E+22	2,572616E+22	2,572622E+22	2,490423E+22	2,300241E+22	2,009540E+22	1,696248E+22	1,487801E+22	1,487784E+22	1,696204E+22	2,009479E+22
-625	2,300178E+22	2,490419E+22	2,572708E+22	2,572715E+22	2,490470E+22	2,300259E+22	2,009544E+22	1,696243E+22	1,487794E+22	1,487783E+22	1,696221E+22	2,009542E+22

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	2,300290E+22	2,490505E+22	2,572732E+22	2,572690E+22	2,490402E+22	2,300184E+22	2,009487E+22	1,696198E+22	1,487762E+22	1,487765E+22	1,696197E+22	2,009471E+22
-623	2,300174E+22	2,490387E+22	2,572652E+22	2,572692E+22	2,490457E+22	2,300221E+22	2,009495E+22	1,696195E+22	1,487744E+22	1,487730E+22	1,696161E+22	2,009458E+22
-622	2,300209E+22	2,490492E+22	2,572763E+22	2,572761E+22	2,490502E+22	2,300239E+22	2,009465E+22	1,696137E+22	1,487700E+22	1,487728E+22	1,696212E+22	2,009548E+22
-621	2,300272E+22	2,490480E+22	2,572708E+22	2,572667E+22	2,490412E+22	2,300204E+22	2,009473E+22	1,696144E+22	1,487685E+22	1,487685E+22	1,696141E+22	2,009455E+22
-620	2,300170E+22	2,490379E+22	2,572673E+22	2,572726E+22	2,490493E+22	2,300264E+22	2,009522E+22	1,696184E+22	1,487702E+22	1,487680E+22	1,696129E+22	2,009470E+22
-619	2,300266E+22	2,490532E+22	2,572774E+22	2,572769E+22	2,490492E+22	2,300225E+22	2,009468E+22	1,696145E+22	1,487696E+22	1,487708E+22	1,696172E+22	2,009491E+22
-618	2,300228E+22	2,490458E+22	2,572680E+22	2,572653E+22	2,490420E+22	2,300218E+22	2,009499E+22	1,696185E+22	1,487723E+22	1,487711E+22	1,696148E+22	2,009435E+22
-617	2,300138E+22	2,490389E+22	2,572708E+22	2,572741E+22	2,490489E+22	2,300259E+22	2,009529E+22	1,696220E+22	1,487770E+22	1,487764E+22	1,696205E+22	2,009519E+22
-616	2,300263E+22	2,490485E+22	2,572733E+22	2,572720E+22	2,490442E+22	2,300207E+22	2,009488E+22	1,696195E+22	1,487775E+22	1,487798E+22	1,696241E+22	2,009509E+22
-615	2,300185E+22	2,490366E+22	2,572605E+22	2,572644E+22	2,490436E+22	2,300232E+22	2,009529E+22	1,696247E+22	1,487815E+22	1,487807E+22	1,696222E+22	2,009490E+22
-614	2,300205E+22	2,490453E+22	2,572704E+22	2,572698E+22	2,490459E+22	2,300241E+22	2,009525E+22	1,696248E+22	1,487837E+22	1,487851E+22	1,696289E+22	2,009585E+22
-613	2,300297E+22	2,490498E+22	2,572706E+22	2,572638E+22	2,490360E+22	2,300172E+22	2,009512E+22	1,696271E+22	1,487872E+22	1,487868E+22	1,696262E+22	2,009497E+22
-612	2,300167E+22	2,490363E+22	2,572641E+22	2,572680E+22	2,490433E+22	2,300223E+22	2,009558E+22	1,696323E+22	1,487914E+22	1,487891E+22	1,696266E+22	2,009501E+22
-611	2,300216E+22	2,490478E+22	2,572753E+22	2,572760E+22	2,490476E+22	2,300215E+22	2,009509E+22	1,696275E+22	1,487901E+22	1,487922E+22	1,696333E+22	2,009569E+22
-610	2,300225E+22	2,490420E+22	2,572657E+22	2,572642E+22	2,490401E+22	2,300214E+22	2,009541E+22	1,696296E+22	1,487898E+22	1,487899E+22	1,696292E+22	2,009506E+22
-609	2,300136E+22	2,490325E+22	2,572624E+22	2,572684E+22	2,490461E+22	2,300266E+22	2,009587E+22	1,696331E+22	1,487916E+22	1,487902E+22	1,696296E+22	2,009552E+22
-608	2,300265E+22	2,490481E+22	2,572705E+22	2,572688E+22	2,490427E+22	2,300218E+22	2,009533E+22	1,696280E+22	1,487882E+22	1,487893E+22	1,696302E+22	2,009538E+22
-607	2,300200E+22	2,490389E+22	2,572610E+22	2,572609E+22	2,490391E+22	2,300215E+22	2,009550E+22	1,696300E+22	1,487879E+22	1,487855E+22	1,696237E+22	2,009474E+22
-606	2,300168E+22	2,490418E+22	2,572699E+22	2,572700E+22	2,490439E+22	2,300222E+22	2,009528E+22	1,696267E+22	1,487856E+22	1,487856E+22	1,696274E+22	2,009556E+22
-605	2,300276E+22	2,490491E+22	2,572726E+22	2,572692E+22	2,490396E+22	2,300166E+22	2,009477E+22	1,696223E+22	1,487821E+22	1,487830E+22	1,696247E+22	2,009492E+22
-604	2,300160E+22	2,490351E+22	2,572614E+22	2,572674E+22	2,490455E+22	2,300234E+22	2,009523E+22	1,696237E+22	1,487799E+22	1,487788E+22	1,696208E+22	2,009482E+22
-603	2,300204E+22	2,490463E+22	2,572737E+22	2,572751E+22	2,490493E+22	2,300240E+22	2,009491E+22	1,696184E+22	1,487755E+22	1,487774E+22	1,696239E+22	2,009556E+22
-602	2,300270E+22	2,490474E+22	2,572696E+22	2,572657E+22	2,490401E+22	2,300208E+22	2,009503E+22	1,696197E+22	1,487748E+22	1,487744E+22	1,696180E+22	2,009463E+22
-601	2,300160E+22	2,490363E+22	2,572638E+22	2,572681E+22	2,490445E+22	2,300243E+22	2,009545E+22	1,696249E+22	1,487793E+22	1,487767E+22	1,696181E+22	2,009472E+22
-600	2,300237E+22	2,490510E+22	2,572756E+22	2,572740E+22	2,490459E+22	2,300211E+22	2,009487E+22	1,696204E+22	1,487787E+22	1,487800E+22	1,696235E+22	2,009502E+22
-599	2,300191E+22	2,490406E+22	2,572645E+22	2,572644E+22	2,490415E+22	2,300210E+22	2,009509E+22	1,696235E+22	1,487812E+22	1,487805E+22	1,696214E+22	2,009462E+22
-598	2,300139E+22	2,490363E+22	2,572654E+22	2,572688E+22	2,490449E+22	2,300238E+22	2,009532E+22	1,696256E+22	1,487840E+22	1,487845E+22	1,696273E+22	2,009562E+22
-597	2,300279E+22	2,490481E+22	2,572706E+22	2,572681E+22	2,490398E+22	2,300178E+22	2,009496E+22	1,696248E+22	1,487854E+22	1,487869E+22	1,696288E+22	2,009532E+22
-596	2,300191E+22	2,490361E+22	2,572583E+22	2,572609E+22	2,490397E+22	2,300215E+22	2,009553E+22	1,696312E+22	1,487900E+22	1,487882E+22	1,696265E+22	2,009495E+22
-595	2,300189E+22	2,490443E+22	2,572717E+22	2,572708E+22	2,490437E+22	2,300215E+22	2,009533E+22	1,696301E+22	1,487918E+22	1,487926E+22	1,696327E+22	2,009579E+22
-594	2,300266E+22	2,490477E+22	2,572713E+22	2,572666E+22	2,490374E+22	2,300171E+22	2,009524E+22	1,696314E+22	1,487943E+22	1,487950E+22	1,696324E+22	2,009509E+22
-593	2,300133E+22	2,490313E+22	2,572591E+22	2,572652E+22	2,490427E+22	2,300233E+22	2,009584E+22	1,696376E+22	1,487995E+22	1,487979E+22	1,696333E+22	2,009525E+22
-592	2,300195E+22	2,490439E+22	2,572709E+22	2,572717E+22	2,490459E+22	2,300236E+22	2,009552E+22	1,696334E+22	1,487974E+22	1,487994E+22	1,696385E+22	2,009591E+22
-591	2,300212E+22	2,490378E+22	2,572608E+22	2,572609E+22	2,490384E+22	2,300216E+22	2,009576E+22	1,696362E+22	1,487979E+22	1,487969E+22	1,696330E+22	2,009520E+22
-590	2,300149E+22	2,490325E+22	2,572584E+22	2,572623E+22	2,490405E+22	2,300234E+22	2,009594E+22	1,696379E+22	1,487989E+22	1,487974E+22	1,696343E+22	2,009570E+22
-589	2,300267E+22	2,490489E+22	2,572707E+22	2,572665E+22	2,490377E+22	2,300169E+22	2,009526E+22	1,696326E+22	1,487959E+22	1,487965E+22	1,696347E+22	2,009548E+22

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	2,300180E+22	2,490365E+22	2,572596E+22	2,572601E+22	2,490373E+22	2,300192E+22	2,009550E+22	1,696338E+22	1,487947E+22	1,487930E+22	1,696294E+22	2,009493E+22
-587	2,300146E+22	2,490388E+22	2,572693E+22	2,572711E+22	2,490441E+22	2,300211E+22	2,009521E+22	1,696285E+22	1,487902E+22	1,487911E+22	1,696319E+22	2,009581E+22
-586	2,300272E+22	2,490470E+22	2,572706E+22	2,572688E+22	2,490402E+22	2,300177E+22	2,009493E+22	1,696246E+22	1,487854E+22	1,487874E+22	1,696288E+22	2,009517E+22
-585	2,300164E+22	2,490331E+22	2,572564E+22	2,572623E+22	2,490424E+22	2,300233E+22	2,009554E+22	1,696291E+22	1,487862E+22	1,487841E+22	1,696239E+22	2,009490E+22
-584	2,300200E+22	2,490464E+22	2,572722E+22	2,572710E+22	2,490457E+22	2,300237E+22	2,009523E+22	1,696247E+22	1,487830E+22	1,487833E+22	1,696260E+22	2,009542E+22
-583	2,300236E+22	2,490448E+22	2,572686E+22	2,572652E+22	2,490384E+22	2,300191E+22	2,009522E+22	1,696263E+22	1,487840E+22	1,487825E+22	1,696215E+22	2,009454E+22
-582	2,300135E+22	2,490339E+22	2,572607E+22	2,572654E+22	2,490418E+22	2,300216E+22	2,009542E+22	1,696291E+22	1,487875E+22	1,487860E+22	1,696250E+22	2,009495E+22
-581	2,300215E+22	2,490477E+22	2,572729E+22	2,572719E+22	2,490436E+22	2,300188E+22	2,009490E+22	1,696250E+22	1,487867E+22	1,487886E+22	1,696303E+22	2,009536E+22
-580	2,300177E+22	2,490364E+22	2,572597E+22	2,572608E+22	2,490393E+22	2,300208E+22	2,009536E+22	1,696291E+22	1,487889E+22	1,487887E+22	1,696278E+22	2,009498E+22
-579	2,300140E+22	2,490344E+22	2,572635E+22	2,572668E+22	2,490422E+22	2,300218E+22	2,009544E+22	1,696306E+22	1,487912E+22	1,487913E+22	1,696316E+22	2,009582E+22
-578	2,300286E+22	2,490485E+22	2,572702E+22	2,572669E+22	2,490381E+22	2,300169E+22	2,009514E+22	1,696299E+22	1,487927E+22	1,487944E+22	1,696338E+22	2,009544E+22
-577	2,300180E+22	2,490350E+22	2,572564E+22	2,572582E+22	2,490363E+22	2,300196E+22	2,009574E+22	1,696378E+22	1,487995E+22	1,487975E+22	1,696323E+22	2,009503E+22
-576	2,300160E+22	2,490417E+22	2,572703E+22	2,572697E+22	2,490429E+22	2,300216E+22	2,009555E+22	1,696361E+22	1,488008E+22	1,488015E+22	1,696385E+22	2,009588E+22
-575	2,300227E+22	2,490421E+22	2,572676E+22	2,572661E+22	2,490386E+22	2,300185E+22	2,009551E+22	1,696371E+22	1,488029E+22	1,488037E+22	1,696381E+22	2,009534E+22
-574	2,300132E+22	2,490283E+22	2,572530E+22	2,572592E+22	2,490392E+22	2,300226E+22	2,009603E+22	1,696422E+22	1,488065E+22	1,488056E+22	1,696394E+22	2,009561E+22
-573	2,300201E+22	2,490425E+22	2,572674E+22	2,572667E+22	2,490411E+22	2,300208E+22	2,009569E+22	1,696395E+22	1,488052E+22	1,488059E+22	1,696424E+22	2,009608E+22
-572	2,300213E+22	2,490369E+22	2,572584E+22	2,572568E+22	2,490340E+22	2,300191E+22	2,009593E+22	1,696421E+22	1,488061E+22	1,488042E+22	1,696371E+22	2,009528E+22
-571	2,300134E+22	2,490316E+22	2,572594E+22	2,572622E+22	2,490372E+22	2,300192E+22	2,009583E+22	1,696414E+22	1,488055E+22	1,488039E+22	1,696380E+22	2,009574E+22
-570	2,300249E+22	2,490474E+22	2,572712E+22	2,572683E+22	2,490386E+22	2,300160E+22	2,009521E+22	1,696346E+22	1,488007E+22	1,488030E+22	1,696402E+22	2,009567E+22
-569	2,300164E+22	2,490334E+22	2,572563E+22	2,572576E+22	2,490363E+22	2,300193E+22	2,009563E+22	1,696371E+22	1,488000E+22	1,487991E+22	1,696343E+22	2,009516E+22
-568	2,300136E+22	2,490363E+22	2,572662E+22	2,572681E+22	2,490433E+22	2,300228E+22	2,009552E+22	1,696329E+22	1,487954E+22	1,487956E+22	1,696346E+22	2,009589E+22
-567	2,300260E+22	2,490443E+22	2,572677E+22	2,572672E+22	2,490402E+22	2,300187E+22	2,009526E+22	1,696304E+22	1,487924E+22	1,487928E+22	1,696305E+22	2,009515E+22
-566	2,300168E+22	2,490331E+22	2,572535E+22	2,572569E+22	2,490377E+22	2,300210E+22	2,009567E+22	1,696342E+22	1,487939E+22	1,487914E+22	1,696280E+22	2,009494E+22
-565	2,300178E+22	2,490448E+22	2,572718E+22	2,572692E+22	2,490417E+22	2,300197E+22	2,009528E+22	1,696308E+22	1,487921E+22	1,487916E+22	1,696309E+22	2,009545E+22
-564	2,300200E+22	2,490402E+22	2,572655E+22	2,572636E+22	2,490371E+22	2,300174E+22	2,009529E+22	1,696314E+22	1,487928E+22	1,487920E+22	1,696287E+22	2,009482E+22
-563	2,300108E+22	2,490292E+22	2,572581E+22	2,572638E+22	2,490402E+22	2,300198E+22	2,009540E+22	1,696323E+22	1,487940E+22	1,487936E+22	1,696314E+22	2,009537E+22
-562	2,300222E+22	2,490453E+22	2,572696E+22	2,572692E+22	2,490423E+22	2,300188E+22	2,009506E+22	1,696283E+22	1,487920E+22	1,487953E+22	1,696365E+22	2,009576E+22
-561	2,300194E+22	2,490354E+22	2,572555E+22	2,572550E+22	2,490347E+22	2,300192E+22	2,009559E+22	1,696350E+22	1,487968E+22	1,487959E+22	1,696325E+22	2,009518E+22
-560	2,300145E+22	2,490353E+22	2,572630E+22	2,572636E+22	2,490392E+22	2,300209E+22	2,009566E+22	1,696368E+22	1,487997E+22	1,487986E+22	1,696350E+22	2,009576E+22
-559	2,300260E+22	2,490465E+22	2,572703E+22	2,572678E+22	2,490382E+22	2,300162E+22	2,009533E+22	1,696364E+22	1,488023E+22	1,488032E+22	1,696378E+22	2,009540E+22
-558	2,300160E+22	2,490325E+22	2,572538E+22	2,572560E+22	2,490350E+22	2,300185E+22	2,009584E+22	1,696428E+22	1,488083E+22	1,488071E+22	1,696392E+22	2,009526E+22
-557	2,300134E+22	2,490376E+22	2,572674E+22	2,572678E+22	2,490414E+22	2,300208E+22	2,009578E+22	1,696423E+22	1,488093E+22	1,488098E+22	1,696444E+22	2,009613E+22
-556	2,300209E+22	2,490371E+22	2,572620E+22	2,572620E+22	2,490367E+22	2,300191E+22	2,009589E+22	1,696440E+22	1,488114E+22	1,488118E+22	1,696440E+22	2,009562E+22
-555	2,300127E+22	2,490262E+22	2,572506E+22	2,572555E+22	2,490354E+22	2,300205E+22	2,009618E+22	1,696475E+22	1,488139E+22	1,488124E+22	1,696437E+22	2,009580E+22
-554	2,300208E+22	2,490425E+22	2,572667E+22	2,572638E+22	2,490376E+22	2,300186E+22	2,009578E+22	1,696435E+22	1,488118E+22	1,488132E+22	1,696473E+22	2,009618E+22
-553	2,300202E+22	2,490355E+22	2,572569E+22	2,572537E+22	2,490297E+22	2,300157E+22	2,009594E+22	1,696469E+22	1,488140E+22	1,488125E+22	1,696426E+22	2,009541E+22

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	2,300116E+22	2,490296E+22	2,572586E+22	2,572617E+22	2,490370E+22	2,300183E+22	2,009578E+22	1,696443E+22	1,488118E+22	1,488107E+22	1,696427E+22	2,009587E+22
-551	2,300226E+22	2,490431E+22	2,572683E+22	2,572681E+22	2,490402E+22	2,300172E+22	2,009535E+22	1,696380E+22	1,488064E+22	1,488087E+22	1,696436E+22	2,009586E+22
-550	2,300173E+22	2,490317E+22	2,572521E+22	2,572528E+22	2,490336E+22	2,300189E+22	2,009579E+22	1,696405E+22	1,488050E+22	1,488043E+22	1,696381E+22	2,009537E+22
-549	2,300141E+22	2,490355E+22	2,572645E+22	2,572647E+22	2,490395E+22	2,300207E+22	2,009574E+22	1,696387E+22	1,488020E+22	1,488006E+22	1,696365E+22	2,009582E+22
-548	2,300242E+22	2,490424E+22	2,572661E+22	2,572646E+22	2,490375E+22	2,300176E+22	2,009548E+22	1,696365E+22	1,488006E+22	1,488000E+22	1,696341E+22	2,009509E+22
-547	2,300133E+22	2,490307E+22	2,572541E+22	2,572566E+22	2,490354E+22	2,300181E+22	2,009563E+22	1,696382E+22	1,488012E+22	1,487991E+22	1,696328E+22	2,009501E+22
-546	2,300153E+22	2,490410E+22	2,572698E+22	2,572687E+22	2,490421E+22	2,300195E+22	2,009531E+22	1,696335E+22	1,487982E+22	1,487999E+22	1,696379E+22	2,009573E+22
-545	2,300186E+22	2,490358E+22	2,572604E+22	2,572592E+22	2,490347E+22	2,300173E+22	2,009549E+22	1,696361E+22	1,488001E+22	1,488002E+22	1,696355E+22	2,009524E+22
-544	2,300115E+22	2,490269E+22	2,572543E+22	2,572598E+22	2,490382E+22	2,300199E+22	2,009562E+22	1,696374E+22	1,488010E+22	1,488001E+22	1,696358E+22	2,009561E+22
-543	2,300229E+22	2,490439E+22	2,572673E+22	2,572667E+22	2,490408E+22	2,300187E+22	2,009534E+22	1,696348E+22	1,488004E+22	1,488023E+22	1,696395E+22	2,009586E+22
-542	2,300210E+22	2,490365E+22	2,572545E+22	2,572506E+22	2,490298E+22	2,300164E+22	2,009571E+22	1,696406E+22	1,488055E+22	1,488046E+22	1,696376E+22	2,009526E+22
-541	2,300128E+22	2,490342E+22	2,572637E+22	2,572632E+22	2,490361E+22	2,300176E+22	2,009578E+22	1,696435E+22	1,488094E+22	1,488077E+22	1,696402E+22	2,009577E+22
-540	2,300222E+22	2,490420E+22	2,572677E+22	2,572673E+22	2,490387E+22	2,300165E+22	2,009552E+22	1,696423E+22	1,488119E+22	1,488133E+22	1,696450E+22	2,009562E+22
-539	2,300129E+22	2,490277E+22	2,572510E+22	2,572536E+22	2,490334E+22	2,300181E+22	2,009597E+22	1,696472E+22	1,488157E+22	1,488152E+22	1,696454E+22	2,009560E+22
-538	2,300134E+22	2,490339E+22	2,572631E+22	2,572642E+22	2,490397E+22	2,300212E+22	2,009605E+22	1,696469E+22	1,488160E+22	1,488173E+22	1,696502E+22	2,009639E+22
-537	2,300214E+22	2,490353E+22	2,572577E+22	2,572556E+22	2,490310E+22	2,300168E+22	2,009612E+22	1,696505E+22	1,488199E+22	1,488196E+22	1,696487E+22	2,009578E+22
-536	2,300126E+22	2,490257E+22	2,572494E+22	2,572521E+22	2,490315E+22	2,300180E+22	2,009624E+22	1,696527E+22	1,488219E+22	1,488196E+22	1,696473E+22	2,009577E+22
-535	2,300186E+22	2,490403E+22	2,572664E+22	2,572644E+22	2,490371E+22	2,300172E+22	2,009582E+22	1,696480E+22	1,488195E+22	1,488207E+22	1,696512E+22	2,009624E+22
-534	2,300194E+22	2,490336E+22	2,572548E+22	2,572515E+22	2,490280E+22	2,300142E+22	2,009588E+22	1,696492E+22	1,488199E+22	1,488198E+22	1,696485E+22	2,009565E+22
-533	2,300105E+22	2,490269E+22	2,572569E+22	2,572605E+22	2,490356E+22	2,300176E+22	2,009595E+22	1,696485E+22	1,488172E+22	1,488160E+22	1,696464E+22	2,009602E+22
-532	2,300217E+22	2,490397E+22	2,572644E+22	2,572656E+22	2,490397E+22	2,300185E+22	2,009566E+22	1,696431E+22	1,488126E+22	1,488143E+22	1,696471E+22	2,009596E+22
-531	2,300162E+22	2,490302E+22	2,572511E+22	2,572501E+22	2,490308E+22	2,300178E+22	2,009595E+22	1,696450E+22	1,488111E+22	1,488095E+22	1,696408E+22	2,009541E+22
-530	2,300135E+22	2,490341E+22	2,572636E+22	2,572629E+22	2,490372E+22	2,300198E+22	2,009589E+22	1,696428E+22	1,488085E+22	1,488078E+22	1,696409E+22	2,009579E+22
-529	2,300213E+22	2,490391E+22	2,572636E+22	2,572616E+22	2,490338E+22	2,300151E+22	2,009559E+22	1,696419E+22	1,488090E+22	1,488088E+22	1,696404E+22	2,009526E+22
-528	2,300111E+22	2,490269E+22	2,572510E+22	2,572547E+22	2,490346E+22	2,300176E+22	2,009564E+22	1,696418E+22	1,488082E+22	1,488070E+22	1,696388E+22	2,009528E+22
-527	2,300144E+22	2,490370E+22	2,572655E+22	2,572661E+22	2,490415E+22	2,300202E+22	2,009550E+22	1,696377E+22	1,488049E+22	1,488067E+22	1,696427E+22	2,009608E+22
-526	2,300213E+22	2,490350E+22	2,572561E+22	2,572531E+22	2,490299E+22	2,300153E+22	2,009560E+22	1,696403E+22	1,488066E+22	1,488070E+22	1,696408E+22	2,009555E+22
-525	2,300135E+22	2,490278E+22	2,572540E+22	2,572569E+22	2,490333E+22	2,300166E+22	2,009578E+22	1,696437E+22	1,488089E+22	1,488066E+22	1,696388E+22	2,009559E+22
-524	2,300217E+22	2,490429E+22	2,572669E+22	2,572655E+22	2,490385E+22	2,300172E+22	2,009553E+22	1,696413E+22	1,488098E+22	1,488110E+22	1,696440E+22	2,009579E+22
-523	2,300172E+22	2,490344E+22	2,572563E+22	2,572519E+22	2,490287E+22	2,300145E+22	2,009573E+22	1,696453E+22	1,488138E+22	1,488133E+22	1,696433E+22	2,009534E+22
-522	2,300099E+22	2,490300E+22	2,572617E+22	2,572632E+22	2,490371E+22	2,300187E+22	2,009594E+22	1,696474E+22	1,488169E+22	1,488170E+22	1,696471E+22	2,009592E+22
-521	2,300191E+22	2,490362E+22	2,572621E+22	2,572628E+22	2,490364E+22	2,300174E+22	2,009590E+22	1,696488E+22	1,488207E+22	1,488224E+22	1,696519E+22	2,009596E+22
-520	2,300125E+22	2,490240E+22	2,572460E+22	2,572493E+22	2,490314E+22	2,300185E+22	2,009625E+22	1,696535E+22	1,488241E+22	1,488229E+22	1,696503E+22	2,009581E+22
-519	2,300136E+22	2,490315E+22	2,572590E+22	2,572600E+22	2,490367E+22	2,300206E+22	2,009632E+22	1,696536E+22	1,488251E+22	1,488250E+22	1,696541E+22	2,009653E+22
-518	2,300226E+22	2,490353E+22	2,572556E+22	2,572507E+22	2,490250E+22	2,300128E+22	2,009615E+22	1,696555E+22	1,488284E+22	1,488285E+22	1,696548E+22	2,009597E+22
-517	2,300117E+22	2,490247E+22	2,572499E+22	2,572518E+22	2,490279E+22	2,300135E+22	2,009620E+22	1,696575E+22	1,488295E+22	1,488274E+22	1,696526E+22	2,009589E+22

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	2,300162E+22	2,490365E+22	2,572639E+22	2,572640E+22	2,490373E+22	2,300172E+22	2,009588E+22	1,696515E+22	1,488262E+22	1,488283E+22	1,696572E+22	2,009646E+22
-515	2,300176E+22	2,490309E+22	2,572536E+22	2,572503E+22	2,490269E+22	2,300141E+22	2,009596E+22	1,696515E+22	1,488241E+22	1,488248E+22	1,696526E+22	2,009591E+22
-514	2,300113E+22	2,490252E+22	2,572541E+22	2,572580E+22	2,490345E+22	2,300186E+22	2,009619E+22	1,696517E+22	1,488217E+22	1,488209E+22	1,696494E+22	2,009602E+22
-513	2,300210E+22	2,490384E+22	2,572615E+22	2,572610E+22	2,490357E+22	2,300177E+22	2,009596E+22	1,696492E+22	1,488200E+22	1,488204E+22	1,696500E+22	2,009593E+22
-512	2,300147E+22	2,490289E+22	2,572499E+22	2,572486E+22	2,490286E+22	2,300164E+22	2,009606E+22	1,696501E+22	1,488186E+22	1,488163E+22	1,696439E+22	2,009531E+22
-511	2,300103E+22	2,490303E+22	2,572614E+22	2,572628E+22	2,490371E+22	2,300194E+22	2,009603E+22	1,696478E+22	1,488164E+22	1,488153E+22	1,696455E+22	2,009591E+22
-510	2,300202E+22	2,490358E+22	2,572598E+22	2,572579E+22	2,490308E+22	2,300136E+22	2,009562E+22	1,696453E+22	1,488156E+22	1,488170E+22	1,696476E+22	2,009564E+22
-509	2,300109E+22	2,490242E+22	2,572483E+22	2,572520E+22	2,490311E+22	2,300157E+22	2,009582E+22	1,696466E+22	1,488145E+22	1,488134E+22	1,696438E+22	2,009555E+22
-508	2,300149E+22	2,490350E+22	2,572621E+22	2,572630E+22	2,490393E+22	2,300199E+22	2,009574E+22	1,696432E+22	1,488123E+22	1,488138E+22	1,696474E+22	2,009624E+22
-507	2,300214E+22	2,490357E+22	2,572566E+22	2,572507E+22	2,490259E+22	2,300128E+22	2,009565E+22	1,696446E+22	1,488135E+22	1,488136E+22	1,696445E+22	2,009561E+22
-506	2,300131E+22	2,490275E+22	2,572545E+22	2,572566E+22	2,490315E+22	2,300153E+22	2,009589E+22	1,696480E+22	1,488166E+22	1,488151E+22	1,696437E+22	2,009552E+22
-505	2,300180E+22	2,490394E+22	2,572651E+22	2,572644E+22	2,490368E+22	2,300160E+22	2,009569E+22	1,696474E+22	1,488193E+22	1,488208E+22	1,696507E+22	2,009594E+22
-504	2,300140E+22	2,490290E+22	2,572521E+22	2,572508E+22	2,490293E+22	2,300153E+22	2,009590E+22	1,696503E+22	1,488222E+22	1,488222E+22	1,696497E+22	2,009558E+22
-503	2,300082E+22	2,490243E+22	2,572555E+22	2,572599E+22	2,490366E+22	2,300208E+22	2,009635E+22	1,696537E+22	1,488251E+22	1,488248E+22	1,696528E+22	2,009626E+22
-502	2,300205E+22	2,490340E+22	2,572564E+22	2,572555E+22	2,490303E+22	2,300152E+22	2,009612E+22	1,696548E+22	1,488289E+22	1,488230E+22	1,696581E+22	2,009628E+22
-501	2,300137E+22	2,490241E+22	2,572445E+22	2,572451E+22	2,490248E+22	2,300143E+22	2,009643E+22	1,696602E+22	1,488328E+22	1,488305E+22	1,696544E+22	2,009586E+22
-500	2,300126E+22	2,490306E+22	2,572580E+22	2,572581E+22	2,490333E+22	2,300178E+22	2,009640E+22	1,696593E+22	1,488342E+22	1,488340E+22	1,696594E+22	2,009654E+22
-499	2,300198E+22	2,490341E+22	2,572567E+22	2,572512E+22	2,490233E+22	2,300100E+22	2,009602E+22	1,696583E+22	1,488349E+22	1,488360E+22	1,696603E+22	2,009616E+22
-498	2,300105E+22	2,490223E+22	2,572485E+22	2,572523E+22	2,490289E+22	2,300144E+22	2,009627E+22	1,696595E+22	1,488347E+22	1,488343E+22	1,696579E+22	2,009604E+22
-497	2,300144E+22	2,490328E+22	2,572600E+22	2,572610E+22	2,490358E+22	2,300182E+22	2,009623E+22	1,696567E+22	1,488324E+22	1,488344E+22	1,696617E+22	2,009668E+22
-496	2,300173E+22	2,490283E+22	2,572499E+22	2,572483E+22	2,490264E+22	2,300151E+22	2,009626E+22	1,696568E+22	1,488304E+22	1,488299E+22	1,696550E+22	2,009592E+22
-495	2,300107E+22	2,490236E+22	2,572511E+22	2,572552E+22	2,490327E+22	2,300192E+22	2,009655E+22	1,696580E+22	1,488293E+22	1,488268E+22	1,696518E+22	2,009598E+22
-494	2,300196E+22	2,490370E+22	2,572593E+22	2,572571E+22	2,490305E+22	2,300144E+22	2,009604E+22	1,696543E+22	1,488280E+22	1,488287E+22	1,696556E+22	2,009603E+22
-493	2,300126E+22	2,490266E+22	2,572490E+22	2,572479E+22	2,490252E+22	2,300126E+22	2,009607E+22	1,696549E+22	1,488262E+22	1,488242E+22	1,696497E+22	2,009549E+22
-492	2,300081E+22	2,490259E+22	2,572568E+22	2,572603E+22	2,490358E+22	2,300188E+22	2,009610E+22	1,696515E+22	1,488233E+22	1,488235E+22	1,696522E+22	2,009622E+22
-491	2,300193E+22	2,490339E+22	2,572574E+22	2,572550E+22	2,490279E+22	2,300120E+22	2,009565E+22	1,696477E+22	1,488203E+22	1,488226E+22	1,696527E+22	2,009603E+22
-490	2,300132E+22	2,490244E+22	2,572465E+22	2,572495E+22	2,490285E+22	2,300145E+22	2,009590E+22	1,696494E+22	1,488196E+22	1,488190E+22	1,696473E+22	2,009560E+22
-489	2,300144E+22	2,490347E+22	2,572606E+22	2,572597E+22	2,490350E+22	2,300180E+22	2,009595E+22	1,696490E+22	1,488202E+22	1,488207E+22	1,696510E+22	2,009624E+22
-488	2,300195E+22	2,490343E+22	2,572563E+22	2,572517E+22	2,490258E+22	2,300119E+22	2,009576E+22	1,696496E+22	1,488215E+22	1,488213E+22	1,696483E+22	2,009552E+22
-487	2,300096E+22	2,490237E+22	2,572521E+22	2,572569E+22	2,490327E+22	2,300166E+22	2,009616E+22	1,696539E+22	1,488253E+22	1,488235E+22	1,696490E+22	2,009563E+22
-486	2,300153E+22	2,490347E+22	2,572601E+22	2,572606E+22	2,490345E+22	2,300160E+22	2,009595E+22	1,696529E+22	1,488278E+22	1,488301E+22	1,696583E+22	2,009630E+22
-485	2,300132E+22	2,490253E+22	2,572478E+22	2,572472E+22	2,490255E+22	2,300141E+22	2,009627E+22	1,696576E+22	1,488308E+22	1,488303E+22	1,696554E+22	2,009586E+22
-484	2,300082E+22	2,490213E+22	2,572499E+22	2,572547E+22	2,490330E+22	2,300200E+22	2,009667E+22	1,696610E+22	1,488347E+22	1,488338E+22	1,696586E+22	2,009644E+22
-483	2,300200E+22	2,490343E+22	2,572557E+22	2,572515E+22	2,490247E+22	2,300117E+22	2,009618E+22	1,696599E+22	1,488371E+22	1,488387E+22	1,696635E+22	2,009647E+22
-482	2,300137E+22	2,490243E+22	2,572450E+22	2,572443E+22	2,490217E+22	2,300111E+22	2,009638E+22	1,696638E+22	1,488406E+22	1,488395E+22	1,696602E+22	2,009591E+22
-481	2,300099E+22	2,490280E+22	2,572566E+22	2,572572E+22	2,490314E+22	2,300158E+22	2,009644E+22	1,696639E+22	1,488423E+22	1,488429E+22	1,696661E+22	2,009680E+22

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	2,300181E+22	2,490303E+22	2,572536E+22	2,572514E+22	2,490250E+22	2,300108E+22	2,009611E+22	1,696615E+22	1,488409E+22	1,488426E+22	1,696651E+22	2,009637E+22
-479	2,300099E+22	2,490191E+22	2,572443E+22	2,572503E+22	2,490294E+22	2,300168E+22	2,009666E+22	1,696648E+22	1,488407E+22	1,488393E+22	1,696611E+22	2,009624E+22
-478	2,300148E+22	2,490314E+22	2,572561E+22	2,572557E+22	2,490313E+22	2,300169E+22	2,009650E+22	1,696624E+22	1,488393E+22	1,488403E+22	1,696653E+22	2,009679E+22
-477	2,300169E+22	2,490278E+22	2,572490E+22	2,572456E+22	2,490214E+22	2,300121E+22	2,009651E+22	1,696634E+22	1,488381E+22	1,488362E+22	1,696578E+22	2,009582E+22
-476	2,300079E+22	2,490212E+22	2,572490E+22	2,572538E+22	2,490306E+22	2,300175E+22	2,009667E+22	1,696634E+22	1,488377E+22	1,488353E+22	1,696570E+22	2,009597E+22
-475	2,300157E+22	2,490345E+22	2,572584E+22	2,572560E+22	2,490284E+22	2,300117E+22	2,009592E+22	1,696565E+22	1,488337E+22	1,488358E+22	1,696616E+22	2,009631E+22
-474	2,300114E+22	2,490237E+22	2,572462E+22	2,572464E+22	2,490245E+22	2,300122E+22	2,009605E+22	1,696564E+22	1,488310E+22	1,488310E+22	1,696553E+22	2,009575E+22
-473	2,300075E+22	2,490232E+22	2,572529E+22	2,572566E+22	2,490330E+22	2,300179E+22	2,009629E+22	1,696560E+22	1,488293E+22	1,488295E+22	1,696571E+22	2,009655E+22
-472	2,300205E+22	2,490326E+22	2,572541E+22	2,572529E+22	2,490268E+22	2,300114E+22	2,009579E+22	1,696521E+22	1,488263E+22	1,488277E+22	1,696552E+22	2,009609E+22
-471	2,300134E+22	2,490244E+22	2,572451E+22	2,572477E+22	2,490271E+22	2,300148E+22	2,009622E+22	1,696554E+22	1,488270E+22	1,488250E+22	1,696501E+22	2,009560E+22
-470	2,300127E+22	2,490334E+22	2,572595E+22	2,572574E+22	2,490310E+22	2,300151E+22	2,009608E+22	1,696547E+22	1,488287E+22	1,488294E+22	1,696567E+22	2,009634E+22
-469	2,300166E+22	2,490311E+22	2,572549E+22	2,572515E+22	2,490239E+22	2,300100E+22	2,009594E+22	1,696556E+22	1,488302E+22	1,488301E+22	1,696544E+22	2,009568E+22
-468	2,300066E+22	2,490187E+22	2,572465E+22	2,572537E+22	2,490320E+22	2,300176E+22	2,009644E+22	1,696597E+22	1,488342E+22	1,488331E+22	1,696563E+22	2,009589E+22
-467	2,300135E+22	2,490318E+22	2,572562E+22	2,572558E+22	2,490306E+22	2,300145E+22	2,009612E+22	1,696578E+22	1,488350E+22	1,488377E+22	1,696642E+22	2,009667E+22
-466	2,300148E+22	2,490249E+22	2,572450E+22	2,572432E+22	2,490214E+22	2,300119E+22	2,009638E+22	1,696626E+22	1,488390E+22	1,488385E+22	1,696603E+22	2,009597E+22
-465	2,300075E+22	2,490208E+22	2,572483E+22	2,572507E+22	2,490275E+22	2,300163E+22	2,009682E+22	1,696677E+22	1,488444E+22	1,488428E+22	1,696641E+22	2,009657E+22
-464	2,300184E+22	2,490325E+22	2,572551E+22	2,572523E+22	2,490242E+22	2,300093E+22	2,009617E+22	1,696646E+22	1,488454E+22	1,488471E+22	1,696685E+22	2,009654E+22
-463	2,300114E+22	2,490218E+22	2,572436E+22	2,572450E+22	2,490231E+22	2,300122E+22	2,009657E+22	1,696685E+22	1,488479E+22	1,488469E+22	1,696657E+22	2,009613E+22
-462	2,300081E+22	2,490243E+22	2,572530E+22	2,572544E+22	2,490297E+22	2,300158E+22	2,009666E+22	1,696686E+22	1,488493E+22	1,488504E+22	1,696722E+22	2,009712E+22
-461	2,300180E+22	2,490278E+22	2,572508E+22	2,572494E+22	2,490229E+22	2,300108E+22	2,009649E+22	1,696678E+22	1,488479E+22	1,488487E+22	1,696688E+22	2,009650E+22
-460	2,300094E+22	2,490169E+22	2,572398E+22	2,572460E+22	2,490272E+22	2,300171E+22	2,009700E+22	1,696714E+22	1,488491E+22	1,488466E+22	1,696650E+22	2,009621E+22
-459	2,300124E+22	2,490307E+22	2,572553E+22	2,572523E+22	2,490269E+22	2,300141E+22	2,009658E+22	1,696671E+22	1,488464E+22	1,488472E+22	1,696694E+22	2,009687E+22
-458	2,300153E+22	2,490265E+22	2,572486E+22	2,572449E+22	2,490189E+22	2,300088E+22	2,009640E+22	1,696666E+22	1,488452E+22	1,488443E+22	1,696629E+22	2,009588E+22
-457	2,300045E+22	2,490169E+22	2,572455E+22	2,572510E+22	2,490281E+22	2,300151E+22	2,009666E+22	1,696672E+22	1,488447E+22	1,488432E+22	1,696637E+22	2,009633E+22
-456	2,300147E+22	2,490302E+22	2,572538E+22	2,572545E+22	2,490288E+22	2,300116E+22	2,009595E+22	1,696588E+22	1,488384E+22	1,488413E+22	1,696662E+22	2,009664E+22
-455	2,300127E+22	2,490223E+22	2,572427E+22	2,572431E+22	2,490233E+22	2,300131E+22	2,009632E+22	1,696604E+22	1,488357E+22	1,488349E+22	1,696582E+22	2,009600E+22
-454	2,300090E+22	2,490235E+22	2,572507E+22	2,572518E+22	2,490280E+22	2,300153E+22	2,009643E+22	1,696608E+22	1,488358E+22	1,488350E+22	1,696601E+22	2,009664E+22
-453	2,300206E+22	2,490334E+22	2,572550E+22	2,572519E+22	2,490231E+22	2,300086E+22	2,009599E+22	1,696580E+22	1,488339E+22	1,488340E+22	1,696576E+22	2,009595E+22
-452	2,300102E+22	2,490221E+22	2,572439E+22	2,572475E+22	2,490266E+22	2,300141E+22	2,009639E+22	1,696614E+22	1,488362E+22	1,488340E+22	1,696553E+22	2,009552E+22
-451	2,300077E+22	2,490298E+22	2,572581E+22	2,572564E+22	2,490302E+22	2,300143E+22	2,009615E+22	1,696589E+22	1,488361E+22	1,488376E+22	1,696630E+22	2,009658E+22
-450	2,300146E+22	2,490272E+22	2,572515E+22	2,572494E+22	2,490232E+22	2,300104E+22	2,009611E+22	1,696601E+22	1,488379E+22	1,488388E+22	1,696607E+22	2,009592E+22
-449	2,300052E+22	2,490148E+22	2,572411E+22	2,572483E+22	2,490284E+22	2,300169E+22	2,009679E+22	1,696669E+22	1,488433E+22	1,488418E+22	1,696628E+22	2,009627E+22
-448	2,300141E+22	2,490293E+22	2,572518E+22	2,572522E+22	2,490283E+22	2,300132E+22	2,009630E+22	1,696638E+22	1,488437E+22	1,488456E+22	1,696688E+22	2,009684E+22
-447	2,300149E+22	2,490247E+22	2,572438E+22	2,572406E+22	2,490185E+22	2,300106E+22	2,009661E+22	1,696691E+22	1,488480E+22	1,488466E+22	1,696655E+22	2,009615E+22
-446	2,300064E+22	2,490195E+22	2,572474E+22	2,572487E+22	2,490234E+22	2,300121E+22	2,009679E+22	1,696730E+22	1,488536E+22	1,488526E+22	1,696712E+22	2,009685E+22
-445	2,300169E+22	2,490297E+22	2,572536E+22	2,572520E+22	2,490228E+22	2,300079E+22	2,009630E+22	1,696695E+22	1,488533E+22	1,488555E+22	1,696745E+22	2,009677E+22

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	2,300098E+22	2,490179E+22	2,572394E+22	2,572426E+22	2,490233E+22	2,300139E+22	2,009687E+22	1,696737E+22	1,488555E+22	1,488550E+22	1,696716E+22	2,009634E+22
-443	2,300070E+22	2,490226E+22	2,572503E+22	2,572503E+22	2,490264E+22	2,300148E+22	2,009685E+22	1,696730E+22	1,488551E+22	1,488560E+22	1,696759E+22	2,009731E+22
-442	2,300185E+22	2,490274E+22	2,572488E+22	2,572461E+22	2,490199E+22	2,300093E+22	2,009661E+22	1,696725E+22	1,488552E+22	1,488553E+22	1,696716E+22	2,009641E+22
-441	2,300071E+22	2,490153E+22	2,572382E+22	2,572425E+22	2,490231E+22	2,300146E+22	2,009715E+22	1,696773E+22	1,488575E+22	1,488544E+22	1,696695E+22	2,009625E+22
-440	2,300096E+22	2,490266E+22	2,572529E+22	2,572522E+22	2,490267E+22	2,300123E+22	2,009654E+22	1,696707E+22	1,488532E+22	1,488542E+22	1,696737E+22	2,009694E+22
-439	2,300131E+22	2,490231E+22	2,572459E+22	2,572437E+22	2,490193E+22	2,300096E+22	2,009655E+22	1,696702E+22	1,488509E+22	1,488503E+22	1,696681E+22	2,009620E+22
-438	2,300039E+22	2,490137E+22	2,572419E+22	2,572470E+22	2,490246E+22	2,300133E+22	2,009675E+22	1,696708E+22	1,488503E+22	1,488494E+22	1,696690E+22	2,009672E+22
-437	2,300161E+22	2,490289E+22	2,572516E+22	2,572513E+22	2,490254E+22	2,300105E+22	2,009621E+22	1,696638E+22	1,488442E+22	1,488463E+22	1,696690E+22	2,009676E+22
-436	2,300132E+22	2,490221E+22	2,572407E+22	2,572399E+22	2,490212E+22	2,300128E+22	2,009657E+22	1,696659E+22	1,488432E+22	1,488415E+22	1,696613E+22	2,009591E+22
-435	2,300070E+22	2,490240E+22	2,572517E+22	2,572498E+22	2,490243E+22	2,300125E+22	2,009646E+22	1,696650E+22	1,488426E+22	1,488417E+22	1,696636E+22	2,009662E+22
-434	2,300183E+22	2,490318E+22	2,572554E+22	2,572527E+22	2,490228E+22	2,300067E+22	2,009592E+22	1,696620E+22	1,488421E+22	1,488427E+22	1,696627E+22	2,009595E+22
-433	2,300061E+22	2,490171E+22	2,572403E+22	2,572453E+22	2,490258E+22	2,300137E+22	2,009654E+22	1,696668E+22	1,488449E+22	1,488434E+22	1,696627E+22	2,009587E+22
-432	2,300057E+22	2,490233E+22	2,572522E+22	2,572542E+22	2,490306E+22	2,300152E+22	2,009637E+22	1,696637E+22	1,488434E+22	1,488452E+22	1,696686E+22	2,009691E+22
-431	2,300151E+22	2,490247E+22	2,572470E+22	2,572449E+22	2,490209E+22	2,300110E+22	2,009649E+22	1,696666E+22	1,488456E+22	1,488456E+22	1,696659E+22	2,009627E+22
-430	2,300060E+22	2,490138E+22	2,572381E+22	2,572422E+22	2,490217E+22	2,300130E+22	2,009692E+22	1,696734E+22	1,488526E+22	1,488505E+22	1,696683E+22	2,009651E+22
-429	2,300146E+22	2,490294E+22	2,572520E+22	2,572500E+22	2,490236E+22	2,300099E+22	2,009646E+22	1,696700E+22	1,488529E+22	1,488544E+22	1,696737E+22	2,009688E+22
-428	2,300132E+22	2,490228E+22	2,572427E+22	2,572399E+22	2,490176E+22	2,300093E+22	2,009669E+22	1,696743E+22	1,488572E+22	1,488565E+22	1,696717E+22	2,009619E+22
-427	2,300034E+22	2,490171E+22	2,572462E+22	2,572474E+22	2,490224E+22	2,300113E+22	2,009681E+22	1,696763E+22	1,488604E+22	1,488604E+22	1,696772E+22	2,009713E+22
-426	2,300163E+22	2,490271E+22	2,572514E+22	2,572508E+22	2,490229E+22	2,300083E+22	2,009643E+22	1,696737E+22	1,488604E+22	1,488628E+22	1,696791E+22	2,009692E+22
-425	2,300085E+22	2,490145E+22	2,572351E+22	2,572382E+22	2,490207E+22	2,300139E+22	2,009723E+22	1,696806E+22	1,488638E+22	1,488623E+22	1,696762E+22	2,009654E+22
-424	2,300063E+22	2,490191E+22	2,572466E+22	2,572478E+22	2,490249E+22	2,300146E+22	2,009710E+22	1,696788E+22	1,488628E+22	1,488626E+22	1,696788E+22	2,009727E+22
-423	2,300171E+22	2,490262E+22	2,572477E+22	2,572437E+22	2,490172E+22	2,300085E+22	2,009686E+22	1,696784E+22	1,488629E+22	1,488623E+22	1,696761E+22	2,009650E+22
-422	2,300044E+22	2,490122E+22	2,572362E+22	2,572395E+22	2,490187E+22	2,300106E+22	2,009710E+22	1,696817E+22	1,488654E+22	1,488631E+22	1,696760E+22	2,009653E+22
-421	2,300086E+22	2,490231E+22	2,572500E+22	2,572498E+22	2,490246E+22	2,300112E+22	2,009662E+22	1,696740E+22	1,488594E+22	1,488612E+22	1,696790E+22	2,009720E+22
-420	2,300130E+22	2,490200E+22	2,572417E+22	2,572403E+22	2,490180E+22	2,300099E+22	2,009671E+22	1,696738E+22	1,488567E+22	1,488567E+22	1,696728E+22	2,009640E+22
-419	2,300047E+22	2,490139E+22	2,572404E+22	2,572432E+22	2,490207E+22	2,300111E+22	2,009678E+22	1,696737E+22	1,488548E+22	1,488538E+22	1,696719E+22	2,009688E+22
-418	2,300176E+22	2,490300E+22	2,572520E+22	2,572498E+22	2,490229E+22	2,300082E+22	2,009619E+22	1,696676E+22	1,488508E+22	1,488520E+22	1,696709E+22	2,009660E+22
-417	2,300107E+22	2,490208E+22	2,572410E+22	2,572388E+22	2,490189E+22	2,300112E+22	2,009671E+22	1,696714E+22	1,488512E+22	1,488492E+22	1,696656E+22	2,009590E+22
-416	2,300035E+22	2,490190E+22	2,572497E+22	2,572514E+22	2,490261E+22	2,300126E+22	2,009654E+22	1,696691E+22	1,488497E+22	1,488491E+22	1,696680E+22	2,009662E+22
-415	2,300151E+22	2,490273E+22	2,572522E+22	2,572515E+22	2,490240E+22	2,300094E+22	2,009625E+22	1,696670E+22	1,488489E+22	1,488500E+22	1,696689E+22	2,009628E+22
-414	2,300047E+22	2,490124E+22	2,572354E+22	2,572402E+22	2,490220E+22	2,300128E+22	2,009680E+22	1,696727E+22	1,488531E+22	1,488519E+22	1,696695E+22	2,009632E+22
-413	2,300073E+22	2,490207E+22	2,572474E+22	2,572484E+22	2,490260E+22	2,300142E+22	2,009672E+22	1,696703E+22	1,488519E+22	1,488530E+22	1,696733E+22	2,009711E+22
-412	2,300160E+22	2,490238E+22	2,572440E+22	2,572401E+22	2,490169E+22	2,300096E+22	2,009673E+22	1,696734E+22	1,488554E+22	1,488550E+22	1,696713E+22	2,009632E+22
-411	2,300053E+22	2,490146E+22	2,572389E+22	2,572396E+22	2,490162E+22	2,300081E+22	2,009683E+22	1,696777E+22	1,488607E+22	1,488591E+22	1,696740E+22	2,009667E+22
-410	2,300135E+22	2,490279E+22	2,572522E+22	2,572503E+22	2,490222E+22	2,300068E+22	2,009629E+22	1,696738E+22	1,488616E+22	1,488638E+22	1,696797E+22	2,009699E+22
-409	2,300102E+22	2,490188E+22	2,572401E+22	2,572383E+22	2,490172E+22	2,300095E+22	2,009684E+22	1,696790E+22	1,488653E+22	1,488655E+22	1,696787E+22	2,009653E+22

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	2,300024E+22	2,490119E+22	2,572415E+22	2,572459E+22	2,490230E+22	2,300127E+22	2,009707E+22	1,696809E+22	1,488668E+22	1,488667E+22	1,696811E+22	2,009727E+22
-407	2,300165E+22	2,490256E+22	2,572482E+22	2,572473E+22	2,490213E+22	2,300099E+22	2,009688E+22	1,696803E+22	1,488675E+22	1,488686E+22	1,696828E+22	2,009705E+22
-406	2,300077E+22	2,490129E+22	2,572329E+22	2,572334E+22	2,490149E+22	2,300109E+22	2,009742E+22	1,696873E+22	1,488729E+22	1,488704E+22	1,696807E+22	2,009662E+22
-405	2,300050E+22	2,490168E+22	2,572451E+22	2,572454E+22	2,490210E+22	2,300124E+22	2,009729E+22	1,696847E+22	1,488715E+22	1,488709E+22	1,696833E+22	2,009723E+22
-404	2,300139E+22	2,490225E+22	2,572452E+22	2,572424E+22	2,490163E+22	2,300077E+22	2,009695E+22	1,696831E+22	1,488711E+22	1,488714E+22	1,696824E+22	2,009659E+22
-403	2,300022E+22	2,490097E+22	2,572339E+22	2,572369E+22	2,490161E+22	2,300088E+22	2,009704E+22	1,696837E+22	1,488706E+22	1,488697E+22	1,696819E+22	2,009689E+22
-402	2,300095E+22	2,490216E+22	2,572478E+22	2,572479E+22	2,490230E+22	2,300100E+22	2,009662E+22	1,696770E+22	1,488650E+22	1,488670E+22	1,696829E+22	2,009738E+22
-401	2,300134E+22	2,490187E+22	2,572391E+22	2,572369E+22	2,490155E+22	2,300094E+22	2,009691E+22	1,696786E+22	1,488631E+22	1,488625E+22	1,696766E+22	2,009656E+22
-400	2,300048E+22	2,490121E+22	2,572389E+22	2,572426E+22	2,490198E+22	2,300107E+22	2,009693E+22	1,696779E+22	1,488608E+22	1,488590E+22	1,696739E+22	2,009677E+22
-399	2,300160E+22	2,490295E+22	2,572525E+22	2,572499E+22	2,490221E+22	2,300084E+22	2,009643E+22	1,696727E+22	1,488573E+22	1,488583E+22	1,696751E+22	2,009663E+22
-398	2,300073E+22	2,490167E+22	2,572388E+22	2,572372E+22	2,490164E+22	2,300092E+22	2,009677E+22	1,696763E+22	1,488593E+22	1,488579E+22	1,696723E+22	2,009618E+22
-397	2,300020E+22	2,490139E+22	2,572450E+22	2,572482E+22	2,490247E+22	2,300138E+22	2,009684E+22	1,696739E+22	1,488570E+22	1,488571E+22	1,696740E+22	2,009686E+22
-396	2,300143E+22	2,490234E+22	2,572468E+22	2,572464E+22	2,490213E+22	2,300100E+22	2,009658E+22	1,696727E+22	1,488567E+22	1,488580E+22	1,696745E+22	2,009648E+22
-395	2,300055E+22	2,490122E+22	2,572324E+22	2,572343E+22	2,490157E+22	2,300093E+22	2,009686E+22	1,696773E+22	1,488602E+22	1,488588E+22	1,696740E+22	2,009655E+22
-394	2,300090E+22	2,490219E+22	2,572473E+22	2,572458E+22	2,490213E+22	2,300100E+22	2,009663E+22	1,696753E+22	1,488608E+22	1,488611E+22	1,696772E+22	2,009706E+22
-393	2,300141E+22	2,490225E+22	2,572438E+22	2,572389E+22	2,490137E+22	2,300065E+22	2,009676E+22	1,696787E+22	1,488645E+22	1,488645E+22	1,696775E+22	2,009645E+22
-392	2,300027E+22	2,490102E+22	2,572375E+22	2,572415E+22	2,490176E+22	2,300079E+22	2,009687E+22	1,696814E+22	1,488679E+22	1,488670E+22	1,696793E+22	2,009677E+22
-391	2,300114E+22	2,490248E+22	2,572502E+22	2,572498E+22	2,490232E+22	2,300094E+22	2,009665E+22	1,696789E+22	1,488682E+22	1,488708E+22	1,696857E+22	2,009727E+22
-390	2,300086E+22	2,490145E+22	2,572362E+22	2,572348E+22	2,490142E+22	2,300093E+22	2,009719E+22	1,696857E+22	1,488738E+22	1,488736E+22	1,696845E+22	2,009684E+22
-389	2,300030E+22	2,490092E+22	2,572371E+22	2,572411E+22	2,490200E+22	2,300135E+22	2,009752E+22	1,696882E+22	1,488758E+22	1,488745E+22	1,696851E+22	2,009726E+22
-388	2,300150E+22	2,490237E+22	2,572454E+22	2,572432E+22	2,490178E+22	2,300093E+22	2,009721E+22	1,696877E+22	1,488776E+22	1,488780E+22	1,696877E+22	2,009699E+22
-387	2,300055E+22	2,490119E+22	2,572321E+22	2,572308E+22	2,490097E+22	2,300064E+22	2,009736E+22	1,696918E+22	1,488811E+22	1,488792E+22	1,696870E+22	2,009683E+22
-386	2,300037E+22	2,490142E+22	2,572432E+22	2,572445E+22	2,490190E+22	2,300089E+22	2,009709E+22	1,696880E+22	1,488794E+22	1,488795E+22	1,696895E+22	2,009744E+22
-385	2,300120E+22	2,490184E+22	2,572412E+22	2,572397E+22	2,490148E+22	2,300072E+22	2,009703E+22	1,696864E+22	1,488773E+22	1,488789E+22	1,696893E+22	2,009704E+22
-384	2,300030E+22	2,490063E+22	2,572302E+22	2,572354E+22	2,490153E+22	2,300087E+22	2,009716E+22	1,696863E+22	1,488745E+22	1,488739E+22	1,696849E+22	2,009707E+22
-383	2,300110E+22	2,490224E+22	2,572465E+22	2,572453E+22	2,490210E+22	2,300106E+22	2,009691E+22	1,696814E+22	1,488696E+22	1,488709E+22	1,696855E+22	2,009746E+22
-382	2,300127E+22	2,490186E+22	2,572392E+22	2,572348E+22	2,490113E+22	2,300068E+22	2,009703E+22	1,696837E+22	1,488702E+22	1,488688E+22	1,696798E+22	2,009657E+22
-381	2,300035E+22	2,490105E+22	2,572379E+22	2,572415E+22	2,490181E+22	2,300103E+22	2,009713E+22	1,696827E+22	1,488681E+22	1,488659E+22	1,696771E+22	2,009659E+22
-380	2,300117E+22	2,490253E+22	2,572497E+22	2,572491E+22	2,490226E+22	2,300095E+22	2,009667E+22	1,696779E+22	1,488652E+22	1,488665E+22	1,696803E+22	2,009666E+22
-379	2,300047E+22	2,490135E+22	2,572354E+22	2,572342E+22	2,490134E+22	2,300078E+22	2,009686E+22	1,696799E+22	1,488655E+22	1,488650E+22	1,696783E+22	2,009652E+22
-378	2,300023E+22	2,490111E+22	2,572405E+22	2,572444E+22	2,490213E+22	2,300117E+22	2,009693E+22	1,696790E+22	1,488648E+22	1,488643E+22	1,696787E+22	2,009704E+22
-377	2,300141E+22	2,490214E+22	2,572428E+22	2,572415E+22	2,490171E+22	2,300085E+22	2,009681E+22	1,696788E+22	1,488652E+22	1,488663E+22	1,696802E+22	2,009673E+22
-376	2,300056E+22	2,490107E+22	2,572311E+22	2,572329E+22	2,490125E+22	2,300067E+22	2,009691E+22	1,696818E+22	1,488676E+22	1,488662E+22	1,696781E+22	2,009656E+22
-375	2,300079E+22	2,490219E+22	2,572481E+22	2,572459E+22	2,490194E+22	2,300084E+22	2,009674E+22	1,696803E+22	1,488684E+22	1,488692E+22	1,696835E+22	2,009722E+22
-374	2,300112E+22	2,490189E+22	2,572421E+22	2,572385E+22	2,490121E+22	2,300045E+22	2,009677E+22	1,696834E+22	1,488732E+22	1,488740E+22	1,696849E+22	2,009679E+22
-373	2,300019E+22	2,490060E+22	2,572330E+22	2,572387E+22	2,490172E+22	2,300101E+22	2,009722E+22	1,696866E+22	1,488756E+22	1,488751E+22	1,696849E+22	2,009695E+22

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	2,300101E+22	2,490212E+22	2,572456E+22	2,572460E+22	2,490217E+22	2,300113E+22	2,009714E+22	1,696862E+22	1,488769E+22	1,488789E+22	1,696905E+22	2,009738E+22
-371	2,300085E+22	2,490139E+22	2,572333E+22	2,572300E+22	2,490088E+22	2,300068E+22	2,009739E+22	1,696919E+22	1,488822E+22	1,488813E+22	1,696892E+22	2,009698E+22
-370	2,300029E+22	2,490087E+22	2,572356E+22	2,572385E+22	2,490157E+22	2,300099E+22	2,009756E+22	1,696945E+22	1,488858E+22	1,488835E+22	1,696897E+22	2,009721E+22
-369	2,300115E+22	2,490206E+22	2,572432E+22	2,572414E+22	2,490151E+22	2,300070E+22	2,009728E+22	1,696931E+22	1,488866E+22	1,488877E+22	1,696948E+22	2,009721E+22
-368	2,300029E+22	2,490070E+22	2,572294E+22	2,572311E+22	2,490098E+22	2,300055E+22	2,009735E+22	1,696946E+22	1,488872E+22	1,488864E+22	1,696926E+22	2,009707E+22
-367	2,300032E+22	2,490124E+22	2,572410E+22	2,572429E+22	2,490183E+22	2,300098E+22	2,009733E+22	1,696916E+22	1,488841E+22	1,488852E+22	1,696952E+22	2,009781E+22
-366	2,300122E+22	2,490160E+22	2,572377E+22	2,572362E+22	2,490114E+22	2,300057E+22	2,009721E+22	1,696912E+22	1,488835E+22	1,488847E+22	1,696936E+22	2,009735E+22
-365	2,300049E+22	2,490062E+22	2,572275E+22	2,572317E+22	2,490130E+22	2,300095E+22	2,009748E+22	1,696914E+22	1,488808E+22	1,488791E+22	1,696870E+22	2,009698E+22
-364	2,300096E+22	2,490222E+22	2,572461E+22	2,572434E+22	2,490184E+22	2,300100E+22	2,009719E+22	1,696872E+22	1,488772E+22	1,488775E+22	1,696882E+22	2,009726E+22
-363	2,300097E+22	2,490174E+22	2,572389E+22	2,572341E+22	2,490079E+22	2,300032E+22	2,009699E+22	1,696874E+22	1,488770E+22	1,488760E+22	1,696846E+22	2,009665E+22
-362	2,300011E+22	2,490072E+22	2,572351E+22	2,572409E+22	2,490175E+22	2,300083E+22	2,009705E+22	1,696865E+22	1,488757E+22	1,488737E+22	1,696825E+22	2,009671E+22
-361	2,300084E+22	2,490199E+22	2,572441E+22	2,572455E+22	2,490209E+22	2,300097E+22	2,009687E+22	1,696822E+22	1,488720E+22	1,488742E+22	1,696869E+22	2,009705E+22
-360	2,300045E+22	2,490095E+22	2,572308E+22	2,572313E+22	2,490110E+22	2,300068E+22	2,009703E+22	1,696840E+22	1,488711E+22	1,488705E+22	1,696822E+22	2,009674E+22
-359	2,300037E+22	2,490120E+22	2,572390E+22	2,572408E+22	2,490172E+22	2,300101E+22	2,009715E+22	1,696843E+22	1,488712E+22	1,488705E+22	1,696832E+22	2,009719E+22
-358	2,300131E+22	2,490208E+22	2,572421E+22	2,572391E+22	2,490120E+22	2,300044E+22	2,009684E+22	1,696843E+22	1,488739E+22	1,488747E+22	1,696856E+22	2,009688E+22
-357	2,300046E+22	2,490093E+22	2,572300E+22	2,572321E+22	2,490116E+22	2,300063E+22	2,009704E+22	1,696864E+22	1,488757E+22	1,488746E+22	1,696832E+22	2,009655E+22
-356	2,300045E+22	2,490185E+22	2,572458E+22	2,572454E+22	2,490202E+22	2,300098E+22	2,009702E+22	1,696857E+22	1,488767E+22	1,488781E+22	1,696893E+22	2,009736E+22
-355	2,300095E+22	2,490161E+22	2,572389E+22	2,572362E+22	2,490101E+22	2,300040E+22	2,009698E+22	1,696884E+22	1,488805E+22	1,488818E+22	1,696910E+22	2,009714E+22
-354	2,300025E+22	2,490039E+22	2,572288E+22	2,572355E+22	2,490149E+22	2,300090E+22	2,009746E+22	1,696937E+22	1,488850E+22	1,488832E+22	1,696897E+22	2,009705E+22
-353	2,300084E+22	2,490185E+22	2,572414E+22	2,572415E+22	2,490183E+22	2,300108E+22	2,009750E+22	1,696939E+22	1,488869E+22	1,488882E+22	1,696964E+22	2,009755E+22
-352	2,300071E+22	2,490113E+22	2,572317E+22	2,572285E+22	2,490053E+22	2,300042E+22	2,009753E+22	1,696977E+22	1,488908E+22	1,488897E+22	1,696942E+22	2,009705E+22
-351	2,300011E+22	2,490073E+22	2,572345E+22	2,572372E+22	2,490132E+22	2,300077E+22	2,009766E+22	1,696995E+22	1,488935E+22	1,488923E+22	1,696971E+22	2,009747E+22
-350	2,300089E+22	2,490165E+22	2,572400E+22	2,572391E+22	2,490127E+22	2,300048E+22	2,009727E+22	1,696971E+22	1,488944E+22	1,488966E+22	1,697023E+22	2,009769E+22
-349	2,300039E+22	2,490046E+22	2,572248E+22	2,572269E+22	2,490082E+22	2,300065E+22	2,009755E+22	1,696980E+22	1,488927E+22	1,488924E+22	1,696970E+22	2,009728E+22
-348	2,300036E+22	2,490113E+22	2,572381E+22	2,572393E+22	2,490160E+22	2,300100E+22	2,009764E+22	1,696969E+22	1,488905E+22	1,488905E+22	1,696977E+22	2,009786E+22
-347	2,300131E+22	2,490173E+22	2,572372E+22	2,572336E+22	2,490070E+22	2,300023E+22	2,009723E+22	1,696952E+22	1,488895E+22	1,488898E+22	1,696958E+22	2,009734E+22
-346	2,300043E+22	2,490064E+22	2,572278E+22	2,572312E+22	2,490103E+22	2,300059E+22	2,009746E+22	1,696964E+22	1,488887E+22	1,488856E+22	1,696895E+22	2,009675E+22
-345	2,300044E+22	2,490182E+22	2,572444E+22	2,572433E+22	2,490182E+22	2,300095E+22	2,009732E+22	1,696919E+22	1,488847E+22	1,488855E+22	1,696936E+22	2,009733E+22
-344	2,300055E+22	2,490117E+22	2,572360E+22	2,572343E+22	2,490086E+22	2,300035E+22	2,009709E+22	1,696905E+22	1,488825E+22	1,488823E+22	1,696894E+22	2,009683E+22
-343	2,299996E+22	2,490041E+22	2,572313E+22	2,572379E+22	2,490163E+22	2,300093E+22	2,009735E+22	1,696908E+22	1,488809E+22	1,488800E+22	1,696886E+22	2,009706E+22
-342	2,300078E+22	2,490165E+22	2,572391E+22	2,572406E+22	2,490169E+22	2,300079E+22	2,009706E+22	1,696878E+22	1,488795E+22	1,488813E+22	1,696923E+22	2,009743E+22
-341	2,300065E+22	2,490092E+22	2,572272E+22	2,572261E+22	2,490076E+22	2,300064E+22	2,009725E+22	1,696892E+22	1,488787E+22	1,488774E+22	1,696859E+22	2,009677E+22
-340	2,300027E+22	2,490120E+22	2,572389E+22	2,572388E+22	2,490139E+22	2,300079E+22	2,009733E+22	1,696903E+22	1,488800E+22	1,488788E+22	1,696877E+22	2,009722E+22
-339	2,300115E+22	2,490198E+22	2,572419E+22	2,572387E+22	2,490091E+22	2,300004E+22	2,009674E+22	1,696882E+22	1,488816E+22	1,488832E+22	1,696919E+22	2,009714E+22
-338	2,300035E+22	2,490068E+22	2,572278E+22	2,572317E+22	2,490113E+22	2,300049E+22	2,009706E+22	1,696911E+22	1,488840E+22	1,488831E+22	1,696892E+22	2,009674E+22
-337	2,300019E+22	2,490139E+22	2,572410E+22	2,572422E+22	2,490193E+22	2,300112E+22	2,009738E+22	1,696916E+22	1,488847E+22	1,488864E+22	1,696956E+22	2,009767E+22

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°
-336	2,300088E+22	2,490127E+22	2,572353E+22	2,572335E+22	2,490081E+22	2,300038E+22	2,009729E+22	1,696944E+22	1,488881E+22	1,488885E+22	1,696949E+22	2,009726E+22
-335	2,300027E+22	2,490044E+22	2,572273E+22	2,572319E+22	2,490114E+22	2,300080E+22	2,009778E+22	1,697005E+22	1,488935E+22	1,488913E+22	1,696950E+22	2,009715E+22
-334	2,300057E+22	2,490157E+22	2,572393E+22	2,572385E+22	2,490136E+22	2,300070E+22	2,009759E+22	1,697005E+22	1,488972E+22	1,488981E+22	1,697027E+22	2,009775E+22
-333	2,300055E+22	2,490084E+22	2,572287E+22	2,572262E+22	2,490043E+22	2,300037E+22	2,009764E+22	1,697026E+22	1,488994E+22	1,488987E+22	1,697003E+22	2,009718E+22
-332	2,299985E+22	2,490040E+22	2,572320E+22	2,572353E+22	2,490120E+22	2,300076E+22	2,009785E+22	1,697044E+22	1,489011E+22	1,489004E+22	1,697028E+22	2,009773E+22
-331	2,300086E+22	2,490141E+22	2,572367E+22	2,572358E+22	2,490092E+22	2,300026E+22	2,009734E+22	1,697008E+22	1,489003E+22	1,489029E+22	1,697074E+22	2,009805E+22
-330	2,300056E+22	2,490043E+22	2,572225E+22	2,572242E+22	2,490059E+22	2,300046E+22	2,009766E+22	1,697032E+22	1,488998E+22	1,488982E+22	1,696999E+22	2,009730E+22
-329	2,300024E+22	2,490101E+22	2,572361E+22	2,572364E+22	2,490135E+22	2,300094E+22	2,009786E+22	1,697024E+22	1,488979E+22	1,488972E+22	1,697012E+22	2,009786E+22
-328	2,300106E+22	2,490151E+22	2,572374E+22	2,572342E+22	2,490056E+22	2,300004E+22	2,009730E+22	1,696993E+22	1,488958E+22	1,488958E+22	1,696989E+22	2,009727E+22
-327	2,300014E+22	2,490045E+22	2,572272E+22	2,572313E+22	2,490102E+22	2,300051E+22	2,009754E+22	1,697002E+22	1,488948E+22	1,488929E+22	1,696955E+22	2,009691E+22
-326	2,300002E+22	2,490117E+22	2,572395E+22	2,572406E+22	2,490169E+22	2,300088E+22	2,009741E+22	1,696960E+22	1,488917E+22	1,488932E+22	1,697001E+22	2,009775E+22
-325	2,300057E+22	2,490080E+22	2,572299E+22	2,572288E+22	2,490071E+22	2,300052E+22	2,009737E+22	1,696947E+22	1,488882E+22	1,488883E+22	1,696939E+22	2,009707E+22
-324	2,300001E+22	2,490030E+22	2,572278E+22	2,572326E+22	2,490123E+22	2,300083E+22	2,009765E+22	1,696966E+22	1,488880E+22	1,488860E+22	1,696917E+22	2,009722E+22
-323	2,300093E+22	2,490175E+22	2,572381E+22	2,572364E+22	2,490110E+22	2,300032E+22	2,009704E+22	1,696922E+22	1,488866E+22	1,488880E+22	1,696961E+22	2,009757E+22
-322	2,300071E+22	2,490101E+22	2,572280E+22	2,572255E+22	2,490045E+22	2,300019E+22	2,009715E+22	1,696941E+22	1,488870E+22	1,488851E+22	1,696898E+22	2,009670E+22
-321	2,299991E+22	2,490089E+22	2,572378E+22	2,572390E+22	2,490141E+22	2,300073E+22	2,009741E+22	1,696948E+22	1,488879E+22	1,488874E+22	1,696938E+22	2,009740E+22
-320	2,300086E+22	2,490155E+22	2,572403E+22	2,572394E+22	2,490102E+22	2,300010E+22	2,009689E+22	1,696920E+22	1,488879E+22	1,488900E+22	1,696969E+22	2,009735E+22
-319	2,300026E+22	2,490044E+22	2,572251E+22	2,572294E+22	2,490106E+22	2,300063E+22	2,009746E+22	1,696970E+22	1,488911E+22	1,488906E+22	1,696953E+22	2,009700E+22
-318	2,300002E+22	2,490096E+22	2,572363E+22	2,572378E+22	2,490162E+22	2,300106E+22	2,009774E+22	1,696994E+22	1,488947E+22	1,488953E+22	1,697012E+22	2,009792E+22
-317	2,300092E+22	2,490115E+22	2,572314E+22	2,572280E+22	2,490048E+22	2,300039E+22	2,009761E+22	1,697015E+22	1,488979E+22	1,488975E+22	1,696995E+22	2,009723E+22
-316	2,300001E+22	2,490026E+22	2,572261E+22	2,572288E+22	2,490073E+22	2,300055E+22	2,009799E+22	1,697077E+22	1,489040E+22	1,489013E+22	1,697007E+22	2,009726E+22
-315	2,300040E+22	2,490126E+22	2,572371E+22	2,572365E+22	2,490101E+22	2,300026E+22	2,009744E+22	1,697045E+22	1,489058E+22	1,489077E+22	1,697102E+22	2,009813E+22
-314	2,300054E+22	2,490055E+22	2,572255E+22	2,572240E+22	2,490024E+22	2,300011E+22	2,009759E+22	1,697067E+22	1,489070E+22	1,489069E+22	1,697065E+22	2,009747E+22
-313	2,299977E+22	2,490005E+22	2,572279E+22	2,572318E+22	2,490103E+22	2,300077E+22	2,009807E+22	1,697089E+22	1,489077E+22	1,489074E+22	1,697083E+22	2,009805E+22
-312	2,300091E+22	2,490128E+22	2,572354E+22	2,572339E+22	2,490069E+22	2,300014E+22	2,009749E+22	1,697050E+22	1,489058E+22	1,489076E+22	1,697097E+22	2,009808E+22
-311	2,300058E+22	2,490056E+22	2,572235E+22	2,572228E+22	2,490037E+22	2,300036E+22	2,009786E+22	1,697079E+22	1,489061E+22	1,489044E+22	1,697033E+22	2,009722E+22
-310	2,299987E+22	2,490067E+22	2,572350E+22	2,572355E+22	2,490116E+22	2,300076E+22	2,009797E+22	1,697076E+22	1,489059E+22	1,489049E+22	1,697055E+22	2,009789E+22
-309	2,300080E+22	2,490113E+22	2,572339E+22	2,572323E+22	2,490067E+22	2,300023E+22	2,009747E+22	1,697034E+22	1,489026E+22	1,489029E+22	1,697033E+22	2,009729E+22
-308	2,299982E+22	2,490002E+22	2,572238E+22	2,572284E+22	2,490093E+22	2,300064E+22	2,009785E+22	1,697053E+22	1,489016E+22	1,488997E+22	1,697002E+22	2,009718E+22
-307	2,300005E+22	2,490081E+22	2,572346E+22	2,572357E+22	2,490129E+22	2,300067E+22	2,009752E+22	1,697002E+22	1,488978E+22	1,488995E+22	1,697050E+22	2,009812E+22
-306	2,300081E+22	2,490076E+22	2,572270E+22	2,572245E+22	2,490029E+22	2,300021E+22	2,009746E+22	1,697002E+22	1,488957E+22	1,488947E+22	1,696975E+22	2,009716E+22
-305	2,299999E+22	2,490025E+22	2,572267E+22	2,572293E+22	2,490083E+22	2,300061E+22	2,009776E+22	1,697017E+22	1,488958E+22	1,488936E+22	1,696964E+22	2,009731E+22
-304	2,300076E+22	2,490163E+22	2,572396E+22	2,572369E+22	2,490086E+22	2,300000E+22	2,009699E+22	1,696958E+22	1,488933E+22	1,488949E+22	1,697003E+22	2,009761E+22
-303	2,300055E+22	2,490091E+22	2,572289E+22	2,572265E+22	2,490050E+22	2,300013E+22	2,009717E+22	1,696972E+22	1,488935E+22	1,488933E+22	1,696964E+22	2,009690E+22
-302	2,299960E+22	2,490034E+22	2,572336E+22	2,572367E+22	2,490135E+22	2,300077E+22	2,009758E+22	1,696995E+22	1,488956E+22	1,488955E+22	1,696999E+22	2,009773E+22
-301	2,300087E+22	2,490120E+22	2,572346E+22	2,572346E+22	2,490099E+22	2,300038E+22	2,009729E+22	1,696979E+22	1,488954E+22	1,488970E+22	1,697011E+22	2,009747E+22

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	2,300019E+22	2,490028E+22	2,572226E+22	2,572248E+22	2,490069E+22	2,300058E+22	2,009787E+22	1,697050E+22	1,489007E+22	1,488984E+22	1,696990E+22	2,009709E+22
-299	2,299999E+22	2,490075E+22	2,572337E+22	2,572332E+22	2,490102E+22	2,300064E+22	2,009781E+22	1,697058E+22	1,489045E+22	1,489046E+22	1,697066E+22	2,009804E+22
-298	2,300081E+22	2,490097E+22	2,572303E+22	2,572262E+22	2,490012E+22	2,299997E+22	2,009761E+22	1,697078E+22	1,489081E+22	1,489076E+22	1,697058E+22	2,009730E+22
-297	2,299967E+22	2,489983E+22	2,572233E+22	2,572269E+22	2,490060E+22	2,300043E+22	2,009804E+22	1,697123E+22	1,489126E+22	1,489112E+22	1,697085E+22	2,009759E+22
-296	2,300021E+22	2,490086E+22	2,572348E+22	2,572350E+22	2,490089E+22	2,300020E+22	2,009753E+22	1,697080E+22	1,489118E+22	1,489146E+22	1,697157E+22	2,009846E+22
-295	2,300065E+22	2,490047E+22	2,572239E+22	2,572220E+22	2,490011E+22	2,300013E+22	2,009780E+22	1,697107E+22	1,489129E+22	1,489136E+22	1,697118E+22	2,009771E+22
-294	2,299974E+22	2,489981E+22	2,572246E+22	2,572283E+22	2,490077E+22	2,300069E+22	2,009830E+22	1,697148E+22	1,489155E+22	1,489142E+22	1,697120E+22	2,009818E+22
-293	2,300096E+22	2,490125E+22	2,572332E+22	2,572305E+22	2,490056E+22	2,300025E+22	2,009778E+22	1,697107E+22	1,489134E+22	1,489143E+22	1,697125E+22	2,009792E+22
-292	2,300026E+22	2,490038E+22	2,572238E+22	2,572220E+22	2,490016E+22	2,300026E+22	2,009809E+22	1,697141E+22	1,489146E+22	1,489121E+22	1,697074E+22	2,009724E+22
-291	2,299960E+22	2,490019E+22	2,572316E+22	2,572335E+22	2,490095E+22	2,300054E+22	2,009794E+22	1,697113E+22	1,489131E+22	1,489130E+22	1,697116E+22	2,009815E+22
-290	2,300072E+22	2,490076E+22	2,572297E+22	2,572290E+22	2,490044E+22	2,300009E+22	2,009757E+22	1,697077E+22	1,489092E+22	1,489099E+22	1,697086E+22	2,009752E+22
-289	2,299975E+22	2,489968E+22	2,572191E+22	2,572235E+22	2,490059E+22	2,300058E+22	2,009806E+22	1,697098E+22	1,489079E+22	1,489061E+22	1,697052E+22	2,009748E+22
-288	2,300015E+22	2,490077E+22	2,572335E+22	2,572325E+22	2,490086E+22	2,300038E+22	2,009756E+22	1,697040E+22	1,489033E+22	1,489043E+22	1,697076E+22	2,009820E+22
-287	2,300092E+22	2,490094E+22	2,572286E+22	2,572234E+22	2,489997E+22	2,299993E+22	2,009746E+22	1,697035E+22	1,489019E+22	1,489015E+22	1,697017E+22	2,009715E+22
-286	2,299971E+22	2,489997E+22	2,572264E+22	2,572296E+22	2,490070E+22	2,300039E+22	2,009774E+22	1,697058E+22	1,489033E+22	1,489016E+22	1,697015E+22	2,009741E+22
-285	2,300058E+22	2,490133E+22	2,572369E+22	2,572360E+22	2,490106E+22	2,300023E+22	2,009713E+22	1,696994E+22	1,488997E+22	1,489020E+22	1,697049E+22	2,009764E+22
-284	2,300023E+22	2,490052E+22	2,572264E+22	2,572247E+22	2,490048E+22	2,300034E+22	2,009757E+22	1,697031E+22	1,489010E+22	1,489004E+22	1,697010E+22	2,009714E+22
-283	2,299958E+22	2,489990E+22	2,572284E+22	2,572324E+22	2,490106E+22	2,300070E+22	2,009783E+22	1,697055E+22	1,489037E+22	1,489033E+22	1,697050E+22	2,009796E+22
-282	2,300095E+22	2,490105E+22	2,572310E+22	2,572298E+22	2,490055E+22	2,300018E+22	2,009756E+22	1,697056E+22	1,489052E+22	1,489056E+22	1,697057E+22	2,009751E+22
-281	2,300001E+22	2,490005E+22	2,572202E+22	2,572207E+22	2,490022E+22	2,300037E+22	2,009810E+22	1,697121E+22	1,489110E+22	1,489087E+22	1,697056E+22	2,009725E+22
-280	2,299975E+22	2,490048E+22	2,572331E+22	2,572320E+22	2,490066E+22	2,300025E+22	2,009776E+22	1,697105E+22	1,489130E+22	1,489137E+22	1,697131E+22	2,009824E+22
-279	2,300069E+22	2,490075E+22	2,572291E+22	2,572255E+22	2,490001E+22	2,299982E+22	2,009757E+22	1,697108E+22	1,489155E+22	1,489173E+22	1,697140E+22	2,009766E+22
-278	2,299953E+22	2,489936E+22	2,572187E+22	2,572238E+22	2,490042E+22	2,300040E+22	2,009818E+22	1,697165E+22	1,489199E+22	1,489194E+22	1,697152E+22	2,009802E+22
-277	2,300041E+22	2,490071E+22	2,572302E+22	2,572304E+22	2,490078E+22	2,300038E+22	2,009784E+22	1,697131E+22	1,489184E+22	1,489207E+22	1,697191E+22	2,009853E+22
-276	2,300066E+22	2,490050E+22	2,572236E+22	2,572195E+22	2,489982E+22	2,300011E+22	2,009816E+22	1,697177E+22	1,489211E+22	1,489197E+22	1,697140E+22	2,009771E+22
-275	2,299971E+22	2,489967E+22	2,572235E+22	2,572262E+22	2,490038E+22	2,300039E+22	2,009837E+22	1,697203E+22	1,489239E+22	1,489219E+22	1,697158E+22	2,009811E+22
-274	2,300072E+22	2,490104E+22	2,572324E+22	2,572302E+22	2,490038E+22	2,300003E+22	2,009788E+22	1,697164E+22	1,489218E+22	1,489224E+22	1,697172E+22	2,009787E+22
-273	2,299981E+22	2,489986E+22	2,572206E+22	2,572205E+22	2,490010E+22	2,300030E+22	2,009827E+22	1,697186E+22	1,489219E+22	1,489204E+22	1,697140E+22	2,009749E+22
-272	2,299935E+22	2,489970E+22	2,572279E+22	2,572308E+22	2,490073E+22	2,300048E+22	2,009808E+22	1,697147E+22	1,489184E+22	1,489188E+22	1,697166E+22	2,009844E+22
-271	2,300082E+22	2,490064E+22	2,572272E+22	2,572261E+22	2,490020E+22	2,300001E+22	2,009771E+22	1,697111E+22	1,489148E+22	1,489165E+22	1,697138E+22	2,009776E+22
-270	2,299979E+22	2,489953E+22	2,572159E+22	2,572192E+22	2,490018E+22	2,300036E+22	2,009814E+22	1,697143E+22	1,489148E+22	1,489127E+22	1,697092E+22	2,009763E+22
-269	2,300025E+22	2,490081E+22	2,572319E+22	2,572297E+22	2,490064E+22	2,300030E+22	2,009765E+22	1,697081E+22	1,489100E+22	1,489107E+22	1,697108E+22	2,009811E+22
-268	2,300067E+22	2,490085E+22	2,572300E+22	2,572245E+22	2,489986E+22	2,299978E+22	2,009754E+22	1,697081E+22	1,489091E+22	1,489084E+22	1,697059E+22	2,009727E+22
-267	2,299953E+22	2,489952E+22	2,572230E+22	2,572283E+22	2,490059E+22	2,300025E+22	2,009772E+22	1,697089E+22	1,489098E+22	1,489091E+22	1,697073E+22	2,009765E+22
-266	2,300051E+22	2,490099E+22	2,572329E+22	2,572331E+22	2,490088E+22	2,300026E+22	2,009743E+22	1,697047E+22	1,489066E+22	1,489089E+22	1,697097E+22	2,009781E+22
-265	2,300012E+22	2,490018E+22	2,572220E+22	2,572202E+22	2,490015E+22	2,300037E+22	2,009795E+22	1,697096E+22	1,489091E+22	1,489081E+22	1,697062E+22	2,009732E+22

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	2,299952E+22	2,489974E+22	2,572262E+22	2,572283E+22	2,490057E+22	2,300046E+22	2,009802E+22	1,697115E+22	1,489119E+22	1,489107E+22	1,697090E+22	2,009799E+22
-263	2,300088E+22	2,490104E+22	2,572311E+22	2,572282E+22	2,490019E+22	2,299989E+22	2,009761E+22	1,697105E+22	1,489142E+22	1,489155E+22	1,697121E+22	2,009756E+22
-262	2,299969E+22	2,489964E+22	2,572176E+22	2,572193E+22	2,489998E+22	2,300012E+22	2,009811E+22	1,697172E+22	1,489204E+22	1,489188E+22	1,697129E+22	2,009752E+22
-261	2,299967E+22	2,490017E+22	2,572289E+22	2,572295E+22	2,490067E+22	2,300035E+22	2,009792E+22	1,697149E+22	1,489206E+22	1,489221E+22	1,697193E+22	2,009846E+22
-260	2,300056E+22	2,490050E+22	2,572271E+22	2,572237E+22	2,489987E+22	2,299988E+22	2,009791E+22	1,697169E+22	1,489232E+22	1,489244E+22	1,697191E+22	2,009801E+22
-259	2,299966E+22	2,489911E+22	2,572148E+22	2,572202E+22	2,490011E+22	2,300027E+22	2,009838E+22	1,697222E+22	1,489278E+22	1,489269E+22	1,697199E+22	2,009822E+22
-258	2,300051E+22	2,490074E+22	2,572287E+22	2,572271E+22	2,490039E+22	2,300024E+22	2,009815E+22	1,697202E+22	1,489272E+22	1,489283E+22	1,697227E+22	2,009845E+22
-257	2,300038E+22	2,490030E+22	2,572228E+22	2,572179E+22	2,489953E+22	2,299999E+22	2,009842E+22	1,697244E+22	1,489305E+22	1,489289E+22	1,697194E+22	2,009771E+22
-256	2,299933E+22	2,489934E+22	2,572227E+22	2,572261E+22	2,490021E+22	2,300015E+22	2,009838E+22	1,697246E+22	1,489315E+22	1,489300E+22	1,697213E+22	2,009822E+22
-255	2,300046E+22	2,490068E+22	2,572297E+22	2,572292E+22	2,490034E+22	2,299997E+22	2,009789E+22	1,697189E+22	1,489282E+22	1,489309E+22	1,697243E+22	2,009816E+22
-254	2,299962E+22	2,489931E+22	2,572146E+22	2,572163E+22	2,489986E+22	2,300026E+22	2,009844E+22	1,697226E+22	1,489281E+22	1,489273E+22	1,697200E+22	2,009792E+22
-253	2,299958E+22	2,489959E+22	2,572226E+22	2,572253E+22	2,490044E+22	2,300047E+22	2,009829E+22	1,697190E+22	1,489238E+22	1,489237E+22	1,697195E+22	2,009852E+22
-252	2,300084E+22	2,490072E+22	2,572269E+22	2,572233E+22	2,489978E+22	2,299981E+22	2,009790E+22	1,697164E+22	1,489214E+22	1,489215E+22	1,697161E+22	2,009784E+22
-251	2,299980E+22	2,489946E+22	2,572152E+22	2,572178E+22	2,489983E+22	2,299999E+22	2,009806E+22	1,697176E+22	1,489213E+22	1,489194E+22	1,697131E+22	2,009764E+22
-250	2,300010E+22	2,490071E+22	2,572315E+22	2,572298E+22	2,490049E+22	2,300012E+22	2,009771E+22	1,697122E+22	1,489165E+22	1,489175E+22	1,697150E+22	2,009809E+22
-249	2,300029E+22	2,490043E+22	2,572274E+22	2,572241E+22	2,489988E+22	2,299991E+22	2,009778E+22	1,697124E+22	1,489157E+22	1,489156E+22	1,697115E+22	2,009746E+22
-248	2,299932E+22	2,489916E+22	2,572199E+22	2,572261E+22	2,490043E+22	2,300026E+22	2,009796E+22	1,697135E+22	1,489158E+22	1,489150E+22	1,697115E+22	2,009782E+22
-247	2,300047E+22	2,490082E+22	2,572300E+22	2,572303E+22	2,490067E+22	2,300024E+22	2,009768E+22	1,697099E+22	1,489142E+22	1,489167E+22	1,697148E+22	2,009792E+22
-246	2,299999E+22	2,489991E+22	2,572180E+22	2,572159E+22	2,489973E+22	2,300021E+22	2,009821E+22	1,697165E+22	1,489186E+22	1,489171E+22	1,697119E+22	2,009749E+22
-245	2,299949E+22	2,489963E+22	2,572230E+22	2,572247E+22	2,490025E+22	2,300030E+22	2,009820E+22	1,697177E+22	1,489212E+22	1,489198E+22	1,697146E+22	2,009802E+22
-244	2,300057E+22	2,490081E+22	2,572305E+22	2,572278E+22	2,490000E+22	2,299969E+22	2,009771E+22	1,697163E+22	1,489235E+22	1,489248E+22	1,697190E+22	2,009792E+22
-243	2,299962E+22	2,489922E+22	2,572133E+22	2,572167E+22	2,489976E+22	2,299991E+22	2,009807E+22	1,697208E+22	1,489281E+22	1,489280E+22	1,697204E+22	2,009794E+22
-242	2,299977E+22	2,490000E+22	2,572253E+22	2,572260E+22	2,490035E+22	2,300027E+22	2,009819E+22	1,697205E+22	1,489280E+22	1,489296E+22	1,697247E+22	2,009870E+22
-241	2,300057E+22	2,490035E+22	2,572245E+22	2,572208E+22	2,489958E+22	2,299984E+22	2,009824E+22	1,697234E+22	1,489315E+22	1,489320E+22	1,697238E+22	2,009813E+22
-240	2,299959E+22	2,489910E+22	2,572144E+22	2,572179E+22	2,489972E+22	2,300004E+22	2,009854E+22	1,697280E+22	1,489358E+22	1,489339E+22	1,697233E+22	2,009815E+22
-239	2,300028E+22	2,490067E+22	2,572295E+22	2,572276E+22	2,490024E+22	2,300008E+22	2,009824E+22	1,697249E+22	1,489357E+22	1,489375E+22	1,697282E+22	2,009841E+22
-238	2,299993E+22	2,489980E+22	2,572195E+22	2,572169E+22	2,489945E+22	2,299990E+22	2,009854E+22	1,697292E+22	1,489388E+22	1,489378E+22	1,697260E+22	2,009792E+22
-237	2,299913E+22	2,489888E+22	2,572164E+22	2,572226E+22	2,490022E+22	2,300030E+22	2,009861E+22	1,697288E+22	1,489379E+22	1,489370E+22	1,697267E+22	2,009842E+22
-236	2,300029E+22	2,490034E+22	2,572261E+22	2,572263E+22	2,490016E+22	2,300000E+22	2,009819E+22	1,697242E+22	1,489345E+22	1,489364E+22	1,697287E+22	2,009856E+22
-235	2,299980E+22	2,489910E+22	2,572096E+22	2,572112E+22	2,489940E+22	2,299998E+22	2,009849E+22	1,697268E+22	1,489345E+22	1,489333E+22	1,697240E+22	2,009815E+22
-234	2,299976E+22	2,489974E+22	2,572217E+22	2,572214E+22	2,489989E+22	2,300017E+22	2,009846E+22	1,697243E+22	1,489305E+22	1,489298E+22	1,697226E+22	2,009850E+22
-233	2,300065E+22	2,490066E+22	2,572275E+22	2,572229E+22	2,489949E+22	2,299956E+22	2,009797E+22	1,697209E+22	1,489286E+22	1,489287E+22	1,697206E+22	2,009785E+22
-232	2,299949E+22	2,489929E+22	2,572153E+22	2,572185E+22	2,489973E+22	2,299976E+22	2,009798E+22	1,697204E+22	1,489270E+22	1,489258E+22	1,697176E+22	2,009774E+22
-231	2,299987E+22	2,490043E+22	2,572298E+22	2,572298E+22	2,490057E+22	2,300018E+22	2,009777E+22	1,697145E+22	1,489221E+22	1,489247E+22	1,697204E+22	2,009826E+22
-230	2,300009E+22	2,489996E+22	2,572220E+22	2,572206E+22	2,489974E+22	2,299998E+22	2,009809E+22	1,697176E+22	1,489224E+22	1,489223E+22	1,697164E+22	2,009773E+22
-229	2,299941E+22	2,489901E+22	2,572143E+22	2,572211E+22	2,490021E+22	2,300029E+22	2,009831E+22	1,697198E+22	1,489235E+22	1,489214E+22	1,697148E+22	2,009783E+22

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	2,300029E+22	2,490073E+22	2,572291E+22	2,572279E+22	2,490030E+22	2,300005E+22	2,009795E+22	1,697172E+22	1,489234E+22	1,489242E+22	1,697190E+22	2,009806E+22
-227	2,299986E+22	2,489964E+22	2,572157E+22	2,572137E+22	2,489934E+22	2,299979E+22	2,009817E+22	1,697217E+22	1,489280E+22	1,489269E+22	1,697185E+22	2,009767E+22
-226	2,299934E+22	2,489945E+22	2,572213E+22	2,572229E+22	2,489994E+22	2,300006E+22	2,009831E+22	1,697230E+22	1,489297E+22	1,489292E+22	1,697216E+22	2,009824E+22
-225	2,300030E+22	2,490041E+22	2,572272E+22	2,572260E+22	2,489988E+22	2,299972E+22	2,009795E+22	1,697215E+22	1,489316E+22	1,489338E+22	1,697263E+22	2,009827E+22
-224	2,299958E+22	2,489904E+22	2,572109E+22	2,572142E+22	2,489954E+22	2,299983E+22	2,009825E+22	1,697257E+22	1,489351E+22	1,489349E+22	1,697255E+22	2,009821E+22
-223	2,299987E+22	2,489998E+22	2,572237E+22	2,572238E+22	2,490016E+22	2,300020E+22	2,009836E+22	1,697256E+22	1,489361E+22	1,489377E+22	1,697293E+22	2,009877E+22
-222	2,300042E+22	2,490014E+22	2,572218E+22	2,572180E+22	2,489931E+22	2,299975E+22	2,009853E+22	1,697304E+22	1,489409E+22	1,489406E+22	1,697288E+22	2,009822E+22
-221	2,299944E+22	2,489893E+22	2,572119E+22	2,572162E+22	2,489960E+22	2,299994E+22	2,009874E+22	1,697341E+22	1,489446E+22	1,489423E+22	1,697282E+22	2,009811E+22
-220	2,299980E+22	2,490023E+22	2,572277E+22	2,572272E+22	2,490018E+22	2,300000E+22	2,009841E+22	1,697306E+22	1,489441E+22	1,489455E+22	1,697343E+22	2,009873E+22
-219	2,299977E+22	2,489923E+22	2,572134E+22	2,572128E+22	2,489922E+22	2,299979E+22	2,009860E+22	1,697330E+22	1,489458E+22	1,489460E+22	1,697327E+22	2,009834E+22
-218	2,299926E+22	2,489872E+22	2,572118E+22	2,572166E+22	2,489970E+22	2,300015E+22	2,009889E+22	1,697340E+22	1,489442E+22	1,489431E+22	1,697311E+22	2,009865E+22
-217	2,300033E+22	2,490026E+22	2,572234E+22	2,572220E+22	2,489972E+22	2,299981E+22	2,009839E+22	1,697296E+22	1,489415E+22	1,489425E+22	1,697323E+22	2,009865E+22
-216	2,299981E+22	2,489925E+22	2,572107E+22	2,572092E+22	2,489897E+22	2,299958E+22	2,009842E+22	1,697302E+22	1,489404E+22	1,489387E+22	1,697265E+22	2,009810E+22
-215	2,299962E+22	2,489977E+22	2,572236E+22	2,572230E+22	2,489982E+22	2,299990E+22	2,009831E+22	1,697266E+22	1,489368E+22	1,489369E+22	1,697266E+22	2,009844E+22
-214	2,300026E+22	2,490024E+22	2,572254E+22	2,572234E+22	2,489960E+22	2,299957E+22	2,009807E+22	1,697245E+22	1,489348E+22	1,489356E+22	1,697257E+22	2,009802E+22
-213	2,299931E+22	2,489890E+22	2,572108E+22	2,572167E+22	2,489986E+22	2,299998E+22	2,009827E+22	1,697246E+22	1,489327E+22	1,489315E+22	1,697216E+22	2,009783E+22
-212	2,299959E+22	2,490005E+22	2,572267E+22	2,572278E+22	2,490051E+22	2,300032E+22	2,009820E+22	1,697210E+22	1,489292E+22	1,489303E+22	1,697242E+22	2,009853E+22
-211	2,300010E+22	2,489966E+22	2,572168E+22	2,572153E+22	2,489937E+22	2,299982E+22	2,009829E+22	1,697236E+22	1,489309E+22	1,489302E+22	1,697213E+22	2,009792E+22
-210	2,299945E+22	2,489901E+22	2,572122E+22	2,572158E+22	2,489960E+22	2,300002E+22	2,009859E+22	1,697268E+22	1,489326E+22	1,489301E+22	1,697200E+22	2,009790E+22
-209	2,300004E+22	2,490049E+22	2,572278E+22	2,572263E+22	2,489997E+22	2,299975E+22	2,009804E+22	1,697232E+22	1,489330E+22	1,489342E+22	1,697260E+22	2,009828E+22
-208	2,299965E+22	2,489940E+22	2,572142E+22	2,572122E+22	2,489911E+22	2,299946E+22	2,009803E+22	1,697249E+22	1,489353E+22	1,489356E+22	1,697255E+22	2,009802E+22
-207	2,299930E+22	2,489923E+22	2,572193E+22	2,572216E+22	2,489987E+22	2,299997E+22	2,009829E+22	1,697257E+22	1,489366E+22	1,489378E+22	1,697283E+22	2,009859E+22
-206	2,300029E+22	2,490011E+22	2,572229E+22	2,572223E+22	2,489966E+22	2,299970E+22	2,009822E+22	1,697270E+22	1,489389E+22	1,489410E+22	1,697314E+22	2,009856E+22
-205	2,299971E+22	2,489900E+22	2,572075E+22	2,572103E+22	2,489933E+22	2,299981E+22	2,009858E+22	1,697322E+22	1,489431E+22	1,489415E+22	1,697283E+22	2,009814E+22
-204	2,299962E+22	2,489988E+22	2,572240E+22	2,572232E+22	2,489997E+22	2,300012E+22	2,009867E+22	1,697330E+22	1,489455E+22	1,489451E+22	1,697329E+22	2,009880E+22
-203	2,300015E+22	2,489976E+22	2,572190E+22	2,572162E+22	2,489910E+22	2,299951E+22	2,009859E+22	1,697361E+22	1,489504E+22	1,489503E+22	1,697349E+22	2,009832E+22
-202	2,299918E+22	2,489860E+22	2,572087E+22	2,572129E+22	2,489934E+22	2,299988E+22	2,009901E+22	1,697399E+22	1,489531E+22	1,489512E+22	1,697347E+22	2,009831E+22
-201	2,299949E+22	2,489969E+22	2,572232E+22	2,572240E+22	2,489999E+22	2,300002E+22	2,009869E+22	1,697362E+22	1,489519E+22	1,489537E+22	1,697406E+22	2,009904E+22
-200	2,299975E+22	2,489903E+22	2,572101E+22	2,572086E+22	2,489883E+22	2,299955E+22	2,009868E+22	1,697373E+22	1,489521E+22	1,489522E+22	1,697372E+22	2,009861E+22
-199	2,299941E+22	2,489878E+22	2,572109E+22	2,572138E+22	2,489938E+22	2,299990E+22	2,009886E+22	1,697375E+22	1,489511E+22	1,489502E+22	1,697350E+22	2,009872E+22
-198	2,300025E+22	2,490017E+22	2,572223E+22	2,572195E+22	2,489941E+22	2,299960E+22	2,009849E+22	1,697343E+22	1,489487E+22	1,489496E+22	1,697364E+22	2,009872E+22
-197	2,299970E+22	2,489915E+22	2,572102E+22	2,572095E+22	2,489897E+22	2,299945E+22	2,009846E+22	1,697341E+22	1,489468E+22	1,489451E+22	1,697301E+22	2,009806E+22
-196	2,299923E+22	2,489941E+22	2,572229E+22	2,572244E+22	2,489998E+22	2,299996E+22	2,009843E+22	1,697305E+22	1,489428E+22	1,489427E+22	1,697311E+22	2,009871E+22
-195	2,300010E+22	2,489971E+22	2,572199E+22	2,572203E+22	2,489956E+22	2,299962E+22	2,009823E+22	1,697283E+22	1,489408E+22	1,489423E+22	1,697309E+22	2,009833E+22
-194	2,299939E+22	2,489874E+22	2,572068E+22	2,572108E+22	2,489943E+22	2,299998E+22	2,009870E+22	1,697307E+22	1,489394E+22	1,489376E+22	1,697256E+22	2,009798E+22
-193	2,299949E+22	2,489978E+22	2,572234E+22	2,572232E+22	2,490010E+22	2,300020E+22	2,009850E+22	1,697279E+22	1,489378E+22	1,489378E+22	1,697283E+22	2,009857E+22

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	2,300000E+22	2,489966E+22	2,572165E+22	2,572122E+22	2,489890E+22	2,299942E+22	2,009826E+22	1,697284E+22	1,489389E+22	1,489382E+22	1,697260E+22	2,009801E+22
-191	2,299933E+22	2,489893E+22	2,572125E+22	2,572153E+22	2,489937E+22	2,299965E+22	2,009838E+22	1,697299E+22	1,489408E+22	1,489395E+22	1,697261E+22	2,009803E+22
-190	2,299978E+22	2,490005E+22	2,572244E+22	2,572242E+22	2,489989E+22	2,299969E+22	2,009813E+22	1,697274E+22	1,489405E+22	1,489427E+22	1,697328E+22	2,009864E+22
-189	2,299966E+22	2,489911E+22	2,572105E+22	2,572104E+22	2,489911E+22	2,299951E+22	2,009824E+22	1,697294E+22	1,489419E+22	1,489422E+22	1,697301E+22	2,009822E+22
-188	2,299922E+22	2,489900E+22	2,572172E+22	2,572200E+22	2,489979E+22	2,300003E+22	2,009863E+22	1,697322E+22	1,489441E+22	1,489438E+22	1,697322E+22	2,009884E+22
-187	2,300033E+22	2,489989E+22	2,572192E+22	2,572180E+22	2,489938E+22	2,299961E+22	2,009847E+22	1,697336E+22	1,489482E+22	1,489494E+22	1,697361E+22	2,009865E+22
-186	2,299966E+22	2,489901E+22	2,572069E+22	2,572063E+22	2,489882E+22	2,299966E+22	2,009896E+22	1,697400E+22	1,489531E+22	1,489509E+22	1,697334E+22	2,009810E+22
-185	2,299917E+22	2,489942E+22	2,572222E+22	2,572222E+22	2,489978E+22	2,299996E+22	2,009887E+22	1,697401E+22	1,489560E+22	1,489557E+22	1,697396E+22	2,009888E+22
-184	2,299982E+22	2,489938E+22	2,572160E+22	2,572138E+22	2,489891E+22	2,299932E+22	2,009856E+22	1,697401E+22	1,489585E+22	1,489595E+22	1,697420E+22	2,009866E+22
-183	2,299913E+22	2,489828E+22	2,572050E+22	2,572095E+22	2,489912E+22	2,299975E+22	2,009900E+22	1,697432E+22	1,489603E+22	1,489597E+22	1,697410E+22	2,009866E+22
-182	2,299953E+22	2,489937E+22	2,572182E+22	2,572187E+22	2,489962E+22	2,299991E+22	2,009892E+22	1,697415E+22	1,489589E+22	1,489604E+22	1,697455E+22	2,009936E+22
-181	2,299996E+22	2,489904E+22	2,572082E+22	2,572057E+22	2,489853E+22	2,299935E+22	2,009880E+22	1,697420E+22	1,489586E+22	1,489578E+22	1,697398E+22	2,009858E+22
-180	2,299927E+22	2,489877E+22	2,572128E+22	2,572146E+22	2,489923E+22	2,299972E+22	2,009894E+22	1,697422E+22	1,489577E+22	1,489559E+22	1,697383E+22	2,009878E+22
-179	2,300006E+22	2,489987E+22	2,572206E+22	2,572191E+22	2,489936E+22	2,299945E+22	2,009846E+22	1,697377E+22	1,489555E+22	1,489571E+22	1,697413E+22	2,009880E+22
-178	2,299950E+22	2,489890E+22	2,572083E+22	2,572072E+22	2,489887E+22	2,299959E+22	2,009877E+22	1,697384E+22	1,489529E+22	1,489517E+22	1,697349E+22	2,009818E+22
-177	2,299895E+22	2,489888E+22	2,572190E+22	2,572221E+22	2,489995E+22	2,300014E+22	2,009881E+22	1,697361E+22	1,489497E+22	1,489492E+22	1,697354E+22	2,009884E+22
-176	2,300006E+22	2,489951E+22	2,572162E+22	2,572157E+22	2,489921E+22	2,299949E+22	2,009838E+22	1,697330E+22	1,489473E+22	1,489482E+22	1,697346E+22	2,009850E+22
-175	2,299946E+22	2,489871E+22	2,572052E+22	2,572069E+22	2,489903E+22	2,299973E+22	2,009872E+22	1,697354E+22	1,489475E+22	1,489455E+22	1,697299E+22	2,009804E+22
-174	2,299937E+22	2,489956E+22	2,572213E+22	2,572196E+22	2,489965E+22	2,299990E+22	2,009861E+22	1,697333E+22	1,489462E+22	1,489463E+22	1,697339E+22	2,009872E+22
-173	2,299988E+22	2,489940E+22	2,572149E+22	2,572116E+22	2,489873E+22	2,299914E+22	2,009821E+22	1,697323E+22	1,489464E+22	1,489462E+22	1,697315E+22	2,009813E+22
-172	2,299907E+22	2,489858E+22	2,572113E+22	2,572157E+22	2,489942E+22	2,299963E+22	2,009843E+22	1,697334E+22	1,489472E+22	1,489465E+22	1,697323E+22	2,009844E+22
-171	2,299979E+22	2,489965E+22	2,572194E+22	2,572201E+22	2,489969E+22	2,299966E+22	2,009826E+22	1,697316E+22	1,489475E+22	1,489503E+22	1,697385E+22	2,009896E+22
-170	2,299983E+22	2,489910E+22	2,572082E+22	2,572052E+22	2,489868E+22	2,299952E+22	2,009868E+22	1,697361E+22	1,489497E+22	1,489491E+22	1,697339E+22	2,009829E+22
-169	2,299909E+22	2,489881E+22	2,572157E+22	2,572174E+22	2,489950E+22	2,299995E+22	2,009897E+22	1,697400E+22	1,489541E+22	1,489523E+22	1,697359E+22	2,009871E+22
-168	2,300009E+22	2,489980E+22	2,572190E+22	2,572163E+22	2,489905E+22	2,299932E+22	2,009853E+22	1,697395E+22	1,489577E+22	1,489587E+22	1,697413E+22	2,009865E+22
-167	2,299935E+22	2,489871E+22	2,572063E+22	2,572060E+22	2,489871E+22	2,299946E+22	2,009892E+22	1,697447E+22	1,489629E+22	1,489615E+22	1,697405E+22	2,009824E+22
-166	2,299881E+22	2,489877E+22	2,572168E+22	2,572189E+22	2,489966E+22	2,300001E+22	2,009912E+22	1,697456E+22	1,489647E+22	1,489653E+22	1,697473E+22	2,009927E+22
-165	2,299978E+22	2,489894E+22	2,572110E+22	2,572106E+22	2,489876E+22	2,299932E+22	2,009880E+22	1,697452E+22	1,489657E+22	1,489669E+22	1,697475E+22	2,009895E+22
-164	2,299917E+22	2,489810E+22	2,572025E+22	2,572069E+22	2,489890E+22	2,299969E+22	2,009921E+22	1,697486E+22	1,489671E+22	1,489657E+22	1,697456E+22	2,009899E+22
-163	2,299968E+22	2,489927E+22	2,572149E+22	2,572141E+22	2,489920E+22	2,299969E+22	2,009902E+22	1,697466E+22	1,489667E+22	1,489679E+22	1,697499E+22	2,009949E+22
-162	2,300002E+22	2,489917E+22	2,572092E+22	2,572032E+22	2,489809E+22	2,299916E+22	2,009902E+22	1,697473E+22	1,489660E+22	1,489650E+22	1,697439E+22	2,009856E+22
-161	2,299894E+22	2,489842E+22	2,572120E+22	2,572153E+22	2,489920E+22	2,299964E+22	2,009905E+22	1,697469E+22	1,489653E+22	1,489636E+22	1,697430E+22	2,009878E+22
-160	2,299980E+22	2,489959E+22	2,572182E+22	2,572176E+22	2,489932E+22	2,299943E+22	2,009848E+22	1,697402E+22	1,489610E+22	1,489635E+22	1,697463E+22	2,009903E+22
-159	2,299946E+22	2,489865E+22	2,572055E+22	2,572044E+22	2,489868E+22	2,299954E+22	2,009883E+22	1,697417E+22	1,489588E+22	1,489579E+22	1,697390E+22	2,009834E+22
-158	2,299889E+22	2,489850E+22	2,572135E+22	2,572166E+22	2,489957E+22	2,300010E+22	2,009912E+22	1,697418E+22	1,489566E+22	1,489554E+22	1,697391E+22	2,009896E+22
-157	2,300008E+22	2,489938E+22	2,572142E+22	2,572131E+22	2,489887E+22	2,299926E+22	2,009850E+22	1,697381E+22	1,489545E+22	1,489544E+22	1,697375E+22	2,009843E+22

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	2,299926E+22	2,489858E+22	2,572058E+22	2,572070E+22	2,489879E+22	2,299946E+22	2,009873E+22	1,697398E+22	1,489545E+22	1,489524E+22	1,697346E+22	2,009819E+22
-155	2,299918E+22	2,489921E+22	2,572182E+22	2,572177E+22	2,489946E+22	2,299970E+22	2,009856E+22	1,697370E+22	1,489537E+22	1,489549E+22	1,697404E+22	2,009897E+22
-154	2,299982E+22	2,489921E+22	2,572129E+22	2,572086E+22	2,489850E+22	2,299919E+22	2,009847E+22	1,697365E+22	1,489529E+22	1,489537E+22	1,697374E+22	2,009836E+22
-153	2,299892E+22	2,489818E+22	2,572082E+22	2,572139E+22	2,489932E+22	2,299972E+22	2,009876E+22	1,697393E+22	1,489549E+22	1,489539E+22	1,697369E+22	2,009857E+22
-152	2,299982E+22	2,489959E+22	2,572167E+22	2,572165E+22	2,489941E+22	2,299957E+22	2,009844E+22	1,697369E+22	1,489552E+22	1,489575E+22	1,697428E+22	2,009908E+22
-151	2,299984E+22	2,489910E+22	2,572078E+22	2,572028E+22	2,489835E+22	2,299934E+22	2,009879E+22	1,697422E+22	1,489596E+22	1,489583E+22	1,697387E+22	2,009827E+22
-150	2,299883E+22	2,489844E+22	2,572130E+22	2,572150E+22	2,489921E+22	2,299983E+22	2,009924E+22	1,697473E+22	1,489645E+22	1,489626E+22	1,697425E+22	2,009882E+22
-149	2,299978E+22	2,489932E+22	2,572162E+22	2,572161E+22	2,489897E+22	2,299917E+22	2,009862E+22	1,697449E+22	1,489668E+22	1,489684E+22	1,697482E+22	2,009886E+22
-148	2,299908E+22	2,489822E+22	2,572029E+22	2,572048E+22	2,489865E+22	2,299949E+22	2,009909E+22	1,697494E+22	1,489703E+22	1,489699E+22	1,697482E+22	2,009876E+22
-147	2,299889E+22	2,489836E+22	2,572100E+22	2,572126E+22	2,489926E+22	2,299992E+22	2,009932E+22	1,697507E+22	1,489722E+22	1,489735E+22	1,697539E+22	2,009968E+22
-146	2,300004E+22	2,489900E+22	2,572082E+22	2,572043E+22	2,489818E+22	2,299920E+22	2,009914E+22	1,697512E+22	1,489732E+22	1,489737E+22	1,697517E+22	2,009908E+22
-145	2,299916E+22	2,489808E+22	2,572023E+22	2,572052E+22	2,489858E+22	2,299949E+22	2,009938E+22	1,697546E+22	1,489756E+22	1,489731E+22	1,697489E+22	2,009889E+22
-144	2,299958E+22	2,489935E+22	2,572156E+22	2,572133E+22	2,489890E+22	2,299936E+22	2,009893E+22	1,697500E+22	1,489737E+22	1,489751E+22	1,697540E+22	2,009948E+22
-143	2,299978E+22	2,489899E+22	2,572095E+22	2,572044E+22	2,489809E+22	2,299902E+22	2,009893E+22	1,697503E+22	1,489730E+22	1,489724E+22	1,697486E+22	2,009860E+22
-142	2,299861E+22	2,489788E+22	2,572078E+22	2,572135E+22	2,489919E+22	2,299979E+22	2,009933E+22	1,697513E+22	1,489714E+22	1,489701E+22	1,697479E+22	2,009895E+22
-141	2,299963E+22	2,489912E+22	2,572139E+22	2,572157E+22	2,489921E+22	2,299948E+22	2,009876E+22	1,697449E+22	1,489666E+22	1,489686E+22	1,697495E+22	2,009911E+22
-140	2,299936E+22	2,489842E+22	2,572027E+22	2,572021E+22	2,489848E+22	2,299954E+22	2,009910E+22	1,697469E+22	1,489650E+22	1,489635E+22	1,697430E+22	2,009854E+22
-139	2,299889E+22	2,489832E+22	2,572091E+22	2,572111E+22	2,489905E+22	2,299986E+22	2,009925E+22	1,697471E+22	1,489646E+22	1,489633E+22	1,697441E+22	2,009906E+22
-138	2,300002E+22	2,489937E+22	2,572136E+22	2,572097E+22	2,489837E+22	2,299901E+22	2,009866E+22	1,697432E+22	1,489623E+22	1,489626E+22	1,697430E+22	2,009852E+22
-137	2,299898E+22	2,489822E+22	2,572041E+22	2,572073E+22	2,489873E+22	2,299930E+22	2,009873E+22	1,697438E+22	1,489622E+22	1,489608E+22	1,697405E+22	2,009835E+22
-136	2,299910E+22	2,489900E+22	2,572151E+22	2,572152E+22	2,489928E+22	2,299957E+22	2,009852E+22	1,697393E+22	1,489594E+22	1,489620E+22	1,697463E+22	2,009932E+22
-135	2,299991E+22	2,489910E+22	2,572108E+22	2,572064E+22	2,489829E+22	2,299910E+22	2,009855E+22	1,697405E+22	1,489596E+22	1,489603E+22	1,697419E+22	2,009856E+22
-134	2,299893E+22	2,489797E+22	2,572045E+22	2,572098E+22	2,489900E+22	2,299971E+22	2,009913E+22	1,697461E+22	1,489631E+22	1,489611E+22	1,697410E+22	2,009861E+22
-133	2,299969E+22	2,489943E+22	2,572159E+22	2,572156E+22	2,489916E+22	2,299943E+22	2,009868E+22	1,697434E+22	1,489641E+22	1,489653E+22	1,697464E+22	2,009898E+22
-132	2,299951E+22	2,489885E+22	2,572076E+22	2,572038E+22	2,489827E+22	2,299924E+22	2,009897E+22	1,697482E+22	1,489684E+22	1,489674E+22	1,697452E+22	2,009844E+22
-131	2,299853E+22	2,489791E+22	2,572073E+22	2,572116E+22	2,489903E+22	2,299977E+22	2,009940E+22	1,697530E+22	1,489741E+22	1,489732E+22	1,697506E+22	2,009914E+22
-130	2,299967E+22	2,489900E+22	2,572121E+22	2,572113E+22	2,489865E+22	2,299925E+22	2,009900E+22	1,697509E+22	1,489752E+22	1,489773E+22	1,697553E+22	2,009921E+22
-129	2,299902E+22	2,489784E+22	2,571985E+22	2,572013E+22	2,489837E+22	2,299942E+22	2,009938E+22	1,697560E+22	1,489789E+22	1,489780E+22	1,697534E+22	2,009898E+22
-128	2,299905E+22	2,489842E+22	2,572072E+22	2,572079E+22	2,489876E+22	2,299963E+22	2,009939E+22	1,697556E+22	1,489800E+22	1,489810E+22	1,697586E+22	2,009986E+22
-127	2,300014E+22	2,489918E+22	2,572093E+22	2,572027E+22	2,489775E+22	2,299883E+22	2,009909E+22	1,697559E+22	1,489816E+22	1,489815E+22	1,697559E+22	2,009906E+22
-126	2,299891E+22	2,489786E+22	2,572012E+22	2,572044E+22	2,489837E+22	2,299931E+22	2,009950E+22	1,697598E+22	1,489835E+22	1,489812E+22	1,697540E+22	2,009892E+22
-125	2,299923E+22	2,489892E+22	2,572142E+22	2,572149E+22	2,489900E+22	2,299932E+22	2,009897E+22	1,697534E+22	1,489800E+22	1,489818E+22	1,697586E+22	2,009956E+22
-124	2,299949E+22	2,489855E+22	2,572065E+22	2,572044E+22	2,489819E+22	2,299917E+22	2,009914E+22	1,697538E+22	1,489778E+22	1,489781E+22	1,697539E+22	2,009892E+22
-123	2,299856E+22	2,489745E+22	2,572006E+22	2,572076E+22	2,489887E+22	2,299980E+22	2,009964E+22	1,697565E+22	1,489779E+22	1,489764E+22	1,697525E+22	2,009918E+22
-122	2,299969E+22	2,489908E+22	2,572107E+22	2,572097E+22	2,489869E+22	2,299940E+22	2,009910E+22	1,697509E+22	1,489736E+22	1,489746E+22	1,697528E+22	2,009913E+22
-121	2,299919E+22	2,489827E+22	2,572015E+22	2,572002E+22	2,489812E+22	2,299927E+22	2,009922E+22	1,697525E+22	1,489732E+22	1,489709E+22	1,697466E+22	2,009849E+22

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	2,299876E+22	2,489830E+22	2,572082E+22	2,572092E+22	2,489869E+22	2,299945E+22	2,009910E+22	1,697500E+22	1,489714E+22	1,489711E+22	1,697497E+22	2,009922E+22
-119	2,299987E+22	2,489922E+22	2,572128E+22	2,572095E+22	2,489826E+22	2,299879E+22	2,009852E+22	1,697458E+22	1,489690E+22	1,489701E+22	1,697487E+22	2,009874E+22
-118	2,299881E+22	2,489783E+22	2,572001E+22	2,572050E+22	2,489867E+22	2,299940E+22	2,009898E+22	1,697481E+22	1,489683E+22	1,489675E+22	1,697459E+22	2,009864E+22
-117	2,299908E+22	2,489872E+22	2,572123E+22	2,572142E+22	2,489918E+22	2,299956E+22	2,009877E+22	1,697442E+22	1,489655E+22	1,489674E+22	1,697496E+22	2,009943E+22
-116	2,299989E+22	2,489901E+22	2,572094E+22	2,572055E+22	2,489818E+22	2,299913E+22	2,009887E+22	1,697465E+22	1,489667E+22	1,489669E+22	1,697463E+22	2,009870E+22
-115	2,299884E+22	2,489780E+22	2,572010E+22	2,572055E+22	2,489858E+22	2,299956E+22	2,009943E+22	1,697534E+22	1,489731E+22	1,489706E+22	1,697467E+22	2,009867E+22
-114	2,299943E+22	2,489924E+22	2,572143E+22	2,572127E+22	2,489880E+22	2,299932E+22	2,009897E+22	1,697504E+22	1,489742E+22	1,489754E+22	1,697531E+22	2,009907E+22
-113	2,299912E+22	2,489834E+22	2,572043E+22	2,572030E+22	2,489821E+22	2,299917E+22	2,009913E+22	1,697544E+22	1,489785E+22	1,489780E+22	1,697525E+22	2,009870E+22
-112	2,299849E+22	2,489765E+22	2,572020E+22	2,572063E+22	2,489864E+22	2,299956E+22	2,009945E+22	1,697571E+22	1,489818E+22	1,489821E+22	1,697579E+22	2,009958E+22
-111	2,299980E+22	2,489890E+22	2,572088E+22	2,572069E+22	2,489821E+22	2,299896E+22	2,009906E+22	1,697562E+22	1,489833E+22	1,489849E+22	1,697605E+22	2,009947E+22
-110	2,299909E+22	2,489777E+22	2,571958E+22	2,571974E+22	2,489796E+22	2,299922E+22	2,009958E+22	1,697620E+22	1,489871E+22	1,489854E+22	1,697577E+22	2,009908E+22
-109	2,299895E+22	2,489834E+22	2,572081E+22	2,572083E+22	2,489848E+22	2,299931E+22	2,009942E+22	1,697604E+22	1,489875E+22	1,489879E+22	1,697620E+22	2,009978E+22
-108	2,299984E+22	2,489898E+22	2,572103E+22	2,572055E+22	2,489786E+22	2,299878E+22	2,009917E+22	1,697598E+22	1,489880E+22	1,489889E+22	1,697614E+22	2,009917E+22
-107	2,299859E+22	2,489739E+22	2,571967E+22	2,572023E+22	2,489835E+22	2,299939E+22	2,009971E+22	1,697643E+22	1,489909E+22	1,489893E+22	1,697601E+22	2,009912E+22
-106	2,299899E+22	2,489855E+22	2,572102E+22	2,572109E+22	2,489885E+22	2,299956E+22	2,009942E+22	1,697590E+22	1,489866E+22	1,489882E+22	1,697632E+22	2,009973E+22
-105	2,299932E+22	2,489813E+22	2,572019E+22	2,572014E+22	2,489806E+22	2,299923E+22	2,009949E+22	1,697602E+22	1,489855E+22	1,489846E+22	1,697573E+22	2,009902E+22
-104	2,299866E+22	2,489744E+22	2,571963E+22	2,572014E+22	2,489835E+22	2,299952E+22	2,009972E+22	1,697612E+22	1,489851E+22	1,489832E+22	1,697568E+22	2,009934E+22
-103	2,299969E+22	2,489912E+22	2,572104E+22	2,572071E+22	2,489820E+22	2,299894E+22	2,009904E+22	1,697556E+22	1,489816E+22	1,489820E+22	1,697574E+22	2,009923E+22
-102	2,299899E+22	2,489803E+22	2,572000E+22	2,571989E+22	2,489787E+22	2,299899E+22	2,009922E+22	1,697566E+22	1,489803E+22	1,489787E+22	1,697525E+22	2,009868E+22
-101	2,299854E+22	2,489796E+22	2,572072E+22	2,572101E+22	2,489865E+22	2,299928E+22	2,009902E+22	1,697522E+22	1,489767E+22	1,489774E+22	1,697547E+22	2,009947E+22
-100	2,299980E+22	2,489899E+22	2,572109E+22	2,572093E+22	2,489832E+22	2,299889E+22	2,009869E+22	1,697485E+22	1,489731E+22	1,489754E+22	1,697539E+22	2,009908E+22
-99	2,299888E+22	2,489763E+22	2,571949E+22	2,571999E+22	2,489837E+22	2,299941E+22	2,009931E+22	1,697538E+22	1,489753E+22	1,489738E+22	1,697499E+22	2,009879E+22
-98	2,299909E+22	2,489876E+22	2,572108E+22	2,572099E+22	2,489881E+22	2,299958E+22	2,009918E+22	1,697513E+22	1,489740E+22	1,489742E+22	1,697525E+22	2,009934E+22
-97	2,299961E+22	2,489880E+22	2,572086E+22	2,572048E+22	2,489800E+22	2,299897E+22	2,009911E+22	1,697538E+22	1,489770E+22	1,489759E+22	1,697503E+22	2,009860E+22
-96	2,299857E+22	2,489758E+22	2,571982E+22	2,572029E+22	2,489829E+22	2,299928E+22	2,009944E+22	1,697585E+22	1,489823E+22	1,489807E+22	1,697540E+22	2,009889E+22
-95	2,299916E+22	2,489886E+22	2,572116E+22	2,572108E+22	2,489860E+22	2,299910E+22	2,009899E+22	1,697555E+22	1,489831E+22	1,489849E+22	1,697604E+22	2,009939E+22
-94	2,299892E+22	2,489783E+22	2,571987E+22	2,571987E+22	2,489795E+22	2,299913E+22	2,009941E+22	1,697602E+22	1,489868E+22	1,489867E+22	1,697595E+22	2,009909E+22
-93	2,299848E+22	2,489737E+22	2,571991E+22	2,572037E+22	2,489833E+22	2,299936E+22	2,009959E+22	1,697623E+22	1,489893E+22	1,489892E+22	1,697627E+22	2,009981E+22
-92	2,299987E+22	2,489890E+22	2,572079E+22	2,572051E+22	2,489799E+22	2,299885E+22	2,009923E+22	1,697612E+22	1,489905E+22	1,489923E+22	1,697657E+22	2,009964E+22
-91	2,299904E+22	2,489768E+22	2,571939E+22	2,571942E+22	2,489759E+22	2,299901E+22	2,009976E+22	1,697681E+22	1,489962E+22	1,489943E+22	1,697632E+22	2,009916E+22
-90	2,299873E+22	2,489817E+22	2,572074E+22	2,572072E+22	2,489836E+22	2,299927E+22	2,009961E+22	1,697659E+22	1,489958E+22	1,489961E+22	1,697672E+22	2,009984E+22
-89	2,299946E+22	2,489846E+22	2,572071E+22	2,572057E+22	2,489802E+22	2,299888E+22	2,009939E+22	1,697650E+22	1,489960E+22	1,489969E+22	1,697664E+22	2,009935E+22
-88	2,299854E+22	2,489710E+22	2,571912E+22	2,571970E+22	2,489807E+22	2,299935E+22	2,009989E+22	1,697684E+22	1,489971E+22	1,489962E+22	1,697656E+22	2,009943E+22
-87	2,299902E+22	2,489838E+22	2,572067E+22	2,572061E+22	2,489841E+22	2,299931E+22	2,009958E+22	1,697646E+22	1,489938E+22	1,489943E+22	1,697667E+22	2,009986E+22
-86	2,299927E+22	2,489798E+22	2,571989E+22	2,571968E+22	2,489761E+22	2,299900E+22	2,009969E+22	1,697660E+22	1,489933E+22	1,489915E+22	1,697612E+22	2,009908E+22
-85	2,299851E+22	2,489733E+22	2,571970E+22	2,572009E+22	2,489799E+22	2,299910E+22	2,009963E+22	1,697649E+22	1,489917E+22	1,489898E+22	1,697605E+22	2,009936E+22

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	2,299949E+22	2,489894E+22	2,572106E+22	2,572085E+22	2,489824E+22	2,299881E+22	2,009899E+22	1,697579E+22	1,489868E+22	1,489888E+22	1,697632E+22	2,009946E+22
-83	2,299884E+22	2,489770E+22	2,571965E+22	2,571964E+22	2,489778E+22	2,299900E+22	2,009935E+22	1,697601E+22	1,489863E+22	1,489856E+22	1,697581E+22	2,009898E+22
-82	2,299849E+22	2,489774E+22	2,572044E+22	2,572069E+22	2,489854E+22	2,299943E+22	2,009935E+22	1,697570E+22	1,489825E+22	1,489828E+22	1,697583E+22	2,009961E+22
-81	2,299971E+22	2,489873E+22	2,572082E+22	2,572079E+22	2,489831E+22	2,299898E+22	2,009904E+22	1,697550E+22	1,489809E+22	1,489817E+22	1,697564E+22	2,009911E+22
-80	2,299894E+22	2,489767E+22	2,571924E+22	2,571949E+22	2,489793E+22	2,299919E+22	2,009946E+22	1,697595E+22	1,489836E+22	1,489817E+22	1,697544E+22	2,009883E+22
-79	2,299887E+22	2,489859E+22	2,572102E+22	2,572079E+22	2,489842E+22	2,299920E+22	2,009926E+22	1,697581E+22	1,489839E+22	1,489833E+22	1,697577E+22	2,009935E+22
-78	2,299920E+22	2,489832E+22	2,572055E+22	2,572033E+22	2,489787E+22	2,299881E+22	2,009921E+22	1,697598E+22	1,489867E+22	1,489862E+22	1,697579E+22	2,009886E+22
-77	2,299826E+22	2,489705E+22	2,571950E+22	2,572011E+22	2,489813E+22	2,299910E+22	2,009944E+22	1,697623E+22	1,489899E+22	1,489893E+22	1,697609E+22	2,009929E+22
-76	2,299915E+22	2,489852E+22	2,572076E+22	2,572078E+22	2,489846E+22	2,299911E+22	2,009919E+22	1,697595E+22	1,489892E+22	1,489924E+22	1,697674E+22	2,009986E+22
-75	2,299909E+22	2,489767E+22	2,571940E+22	2,571925E+22	2,489746E+22	2,299896E+22	2,009966E+22	1,697664E+22	1,489950E+22	1,489945E+22	1,697647E+22	2,009935E+22
-74	2,299859E+22	2,489747E+22	2,571984E+22	2,571998E+22	2,489793E+22	2,299923E+22	2,009982E+22	1,697687E+22	1,489980E+22	1,489967E+22	1,697663E+22	2,009978E+22
-73	2,299965E+22	2,489876E+22	2,572083E+22	2,572059E+22	2,489795E+22	2,299874E+22	2,009940E+22	1,697675E+22	1,490000E+22	1,490010E+22	1,697694E+22	2,009958E+22
-72	2,299885E+22	2,489750E+22	2,571920E+22	2,571923E+22	2,489746E+22	2,299887E+22	2,009980E+22	1,697726E+22	1,490044E+22	1,490032E+22	1,697694E+22	2,009933E+22
-71	2,299846E+22	2,489777E+22	2,572049E+22	2,572059E+22	2,489828E+22	2,299922E+22	2,009980E+22	1,697715E+22	1,490038E+22	1,490037E+22	1,697724E+22	2,010003E+22
-70	2,299924E+22	2,489796E+22	2,572019E+22	2,572019E+22	2,489787E+22	2,299897E+22	2,009976E+22	1,697713E+22	1,490036E+22	1,490042E+22	1,697717E+22	2,009958E+22
-69	2,299844E+22	2,489680E+22	2,571885E+22	2,571935E+22	2,489773E+22	2,299918E+22	2,010005E+22	1,697736E+22	1,490040E+22	1,490024E+22	1,697694E+22	2,009959E+22
-68	2,299904E+22	2,489830E+22	2,572054E+22	2,572034E+22	2,489812E+22	2,299917E+22	2,009971E+22	1,697687E+22	1,490001E+22	1,490012E+22	1,697716E+22	2,009999E+22
-67	2,299918E+22	2,489783E+22	2,571969E+22	2,571932E+22	2,489716E+22	2,299869E+22	2,009974E+22	1,697709E+22	1,490012E+22	1,489997E+22	1,697667E+22	2,009924E+22
-66	2,299837E+22	2,489717E+22	2,571964E+22	2,571998E+22	2,489789E+22	2,299898E+22	2,009961E+22	1,697683E+22	1,489984E+22	1,489969E+22	1,697655E+22	2,009952E+22
-65	2,299930E+22	2,489856E+22	2,572081E+22	2,572082E+22	2,489835E+22	2,299886E+22	2,009908E+22	1,697613E+22	1,489928E+22	1,489951E+22	1,697671E+22	2,009967E+22
-64	2,299895E+22	2,489755E+22	2,571925E+22	2,571917E+22	2,489751E+22	2,299893E+22	2,009947E+22	1,697635E+22	1,489915E+22	1,489912E+22	1,697624E+22	2,009923E+22
-63	2,299857E+22	2,489768E+22	2,572028E+22	2,572038E+22	2,489819E+22	2,299921E+22	2,009953E+22	1,697628E+22	1,489895E+22	1,489881E+22	1,697605E+22	2,009957E+22
-62	2,299954E+22	2,489853E+22	2,572062E+22	2,572048E+22	2,489802E+22	2,299886E+22	2,009927E+22	1,697614E+22	1,489895E+22	1,489893E+22	1,697602E+22	2,009904E+22
-61	2,299858E+22	2,489739E+22	2,571928E+22	2,571946E+22	2,489768E+22	2,299891E+22	2,009948E+22	1,697643E+22	1,489919E+22	1,489901E+22	1,697595E+22	2,009888E+22
-60	2,299856E+22	2,489816E+22	2,572081E+22	2,572075E+22	2,489845E+22	2,299919E+22	2,009934E+22	1,697617E+22	1,489912E+22	1,489925E+22	1,697652E+22	2,009962E+22
-59	2,299899E+22	2,489781E+22	2,571998E+22	2,571984E+22	2,489762E+22	2,299881E+22	2,009945E+22	1,697653E+22	1,489951E+22	1,489955E+22	1,697654E+22	2,009929E+22
-58	2,299832E+22	2,489679E+22	2,571908E+22	2,571964E+22	2,489786E+22	2,299911E+22	2,009971E+22	1,697682E+22	1,489978E+22	1,489968E+22	1,697662E+22	2,009958E+22
-57	2,299923E+22	2,489833E+22	2,572045E+22	2,572047E+22	2,489825E+22	2,299905E+22	2,009947E+22	1,697664E+22	1,489984E+22	1,490002E+22	1,697710E+22	2,009999E+22
-56	2,299928E+22	2,489779E+22	2,571927E+22	2,571879E+22	2,489694E+22	2,299866E+22	2,009975E+22	1,697721E+22	1,490039E+22	1,490033E+22	1,697701E+22	2,009946E+22
-55	2,299847E+22	2,489742E+22	2,571995E+22	2,571994E+22	2,489760E+22	2,299885E+22	2,009989E+22	1,697751E+22	1,490075E+22	1,490056E+22	1,697713E+22	2,009977E+22
-54	2,299927E+22	2,489832E+22	2,572061E+22	2,572056E+22	2,489798E+22	2,299873E+22	2,009956E+22	1,697732E+22	1,490092E+22	1,490106E+22	1,697762E+22	2,009975E+22
-53	2,299850E+22	2,489701E+22	2,571897E+22	2,571911E+22	2,489739E+22	2,299887E+22	2,009992E+22	1,697766E+22	1,490113E+22	1,490109E+22	1,697752E+22	2,009961E+22
-52	2,299839E+22	2,489736E+22	2,572005E+22	2,572027E+22	2,489817E+22	2,299933E+22	2,010008E+22	1,697758E+22	1,490099E+22	1,490107E+22	1,697780E+22	2,010028E+22
-51	2,299927E+22	2,489774E+22	2,571971E+22	2,571957E+22	2,489738E+22	2,299882E+22	2,010004E+22	1,697778E+22	1,490119E+22	1,490116E+22	1,697762E+22	2,009976E+22
-50	2,299847E+22	2,489679E+22	2,571871E+22	2,571895E+22	2,489729E+22	2,299895E+22	2,010015E+22	1,697789E+22	1,490119E+22	1,490093E+22	1,697728E+22	2,009957E+22
-49	2,299884E+22	2,489809E+22	2,572050E+22	2,572035E+22	2,489801E+22	2,299899E+22	2,009975E+22	1,697733E+22	1,490079E+22	1,490086E+22	1,697755E+22	2,010004E+22

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°
-48	2,299912E+22	2,489768E+22	2,571952E+22	2,571912E+22	2,489696E+22	2,299847E+22	2,009962E+22	1,697730E+22	1,490069E+22	1,490070E+22	1,697726E+22	2,009948E+22
-47	2,299825E+22	2,489689E+22	2,571946E+22	2,571985E+22	2,489773E+22	2,299886E+22	2,009970E+22	1,697720E+22	1,490038E+22	1,490025E+22	1,697695E+22	2,009968E+22
-46	2,299920E+22	2,489820E+22	2,572043E+22	2,572056E+22	2,489830E+22	2,299898E+22	2,009938E+22	1,697663E+22	1,489990E+22	1,490009E+22	1,697708E+22	2,009979E+22
-45	2,299886E+22	2,489739E+22	2,571914E+22	2,571893E+22	2,489724E+22	2,299882E+22	2,009962E+22	1,697680E+22	1,489979E+22	1,489967E+22	1,697651E+22	2,009926E+22
-44	2,299850E+22	2,489753E+22	2,572016E+22	2,572019E+22	2,489799E+22	2,299917E+22	2,009974E+22	1,697676E+22	1,489966E+22	1,489956E+22	1,697651E+22	2,009955E+22
-43	2,299926E+22	2,489821E+22	2,572038E+22	2,572019E+22	2,489765E+22	2,299865E+22	2,009944E+22	1,697676E+22	1,489988E+22	1,489988E+22	1,697666E+22	2,009920E+22
-42	2,299834E+22	2,489700E+22	2,571899E+22	2,571923E+22	2,489755E+22	2,299885E+22	2,009956E+22	1,697691E+22	1,490003E+22	1,489991E+22	1,697661E+22	2,009914E+22
-41	2,299840E+22	2,489768E+22	2,572034E+22	2,572047E+22	2,489838E+22	2,299926E+22	2,009956E+22	1,697668E+22	1,489992E+22	1,490007E+22	1,697709E+22	2,009999E+22
-40	2,299924E+22	2,489768E+22	2,571950E+22	2,571919E+22	2,489711E+22	2,299861E+22	2,009958E+22	1,697700E+22	1,490026E+22	1,490035E+22	1,697715E+22	2,009964E+22
-39	2,299851E+22	2,489685E+22	2,571899E+22	2,571928E+22	2,489734E+22	2,299874E+22	2,009985E+22	1,697748E+22	1,490064E+22	1,490041E+22	1,697698E+22	2,009962E+22
-38	2,299915E+22	2,489826E+22	2,572041E+22	2,572030E+22	2,489797E+22	2,299885E+22	2,009964E+22	1,697729E+22	1,490081E+22	1,490092E+22	1,697758E+22	2,009995E+22
-37	2,299892E+22	2,489758E+22	2,571945E+22	2,571893E+22	2,489681E+22	2,299843E+22	2,009976E+22	1,697768E+22	1,490123E+22	1,490120E+22	1,697755E+22	2,009952E+22
-36	2,299817E+22	2,489701E+22	2,571979E+22	2,572001E+22	2,489776E+22	2,299899E+22	2,010006E+22	1,697790E+22	1,490148E+22	1,490147E+22	1,697783E+22	2,009994E+22
-35	2,299897E+22	2,489777E+22	2,572007E+22	2,572014E+22	2,489780E+22	2,299887E+22	2,009995E+22	1,697796E+22	1,490177E+22	1,490193E+22	1,697829E+22	2,010008E+22
-34	2,299846E+22	2,489665E+22	2,571849E+22	2,571868E+22	2,489719E+22	2,299896E+22	2,010028E+22	1,697831E+22	1,490195E+22	1,490183E+22	1,697800E+22	2,009982E+22
-33	2,299840E+22	2,489710E+22	2,571963E+22	2,571986E+22	2,489789E+22	2,299928E+22	2,010037E+22	1,697824E+22	1,490186E+22	1,490181E+22	1,697814E+22	2,010038E+22
-32	2,299938E+22	2,489772E+22	2,571945E+22	2,571903E+22	2,489675E+22	2,299843E+22	2,010005E+22	1,697824E+22	1,490199E+22	1,490199E+22	1,697819E+22	2,009992E+22
-31	2,299839E+22	2,489671E+22	2,571876E+22	2,571890E+22	2,489689E+22	2,299845E+22	2,010005E+22	1,697832E+22	1,490191E+22	1,490167E+22	1,697778E+22	2,009967E+22
-30	2,299860E+22	2,489772E+22	2,572024E+22	2,572027E+22	2,489797E+22	2,299889E+22	2,009973E+22	1,697764E+22	1,490142E+22	1,490160E+22	1,697813E+22	2,010026E+22
-29	2,299893E+22	2,489737E+22	2,571939E+22	2,571902E+22	2,489685E+22	2,299843E+22	2,009965E+22	1,697748E+22	1,490109E+22	1,490119E+22	1,697768E+22	2,009974E+22
-28	2,299834E+22	2,489673E+22	2,571920E+22	2,571963E+22	2,489764E+22	2,299896E+22	2,009992E+22	1,697748E+22	1,490079E+22	1,490072E+22	1,697728E+22	2,009973E+22
-27	2,299915E+22	2,489808E+22	2,572012E+22	2,572010E+22	2,489790E+22	2,299893E+22	2,009970E+22	1,697725E+22	1,490065E+22	1,490070E+22	1,697737E+22	2,009976E+22
-26	2,299874E+22	2,489730E+22	2,571905E+22	2,571875E+22	2,489700E+22	2,299872E+22	2,009979E+22	1,697738E+22	1,490061E+22	1,490040E+22	1,697684E+22	2,009915E+22
-25	2,299817E+22	2,489714E+22	2,571993E+22	2,572017E+22	2,489795E+22	2,299912E+22	2,009991E+22	1,697734E+22	1,490056E+22	1,490041E+22	1,697699E+22	2,009961E+22
-24	2,299909E+22	2,489784E+22	2,571996E+22	2,571982E+22	2,489737E+22	2,299850E+22	2,009950E+22	1,697718E+22	1,490066E+22	1,490080E+22	1,697743E+22	2,009957E+22
-23	2,299828E+22	2,489668E+22	2,571868E+22	2,571895E+22	2,489718E+22	2,299863E+22	2,009973E+22	1,697746E+22	1,490078E+22	1,490068E+22	1,697719E+22	2,009943E+22
-22	2,299841E+22	2,489740E+22	2,571992E+22	2,572009E+22	2,489808E+22	2,299919E+22	2,009982E+22	1,697729E+22	1,490076E+22	1,490089E+22	1,697766E+22	2,010021E+22
-21	2,299923E+22	2,489767E+22	2,571949E+22	2,571894E+22	2,489671E+22	2,299836E+22	2,009965E+22	1,697748E+22	1,490103E+22	1,490111E+22	1,697762E+22	2,009977E+22
-20	2,299850E+22	2,489683E+22	2,571901E+22	2,571921E+22	2,489714E+22	2,299863E+22	2,009998E+22	1,697794E+22	1,490146E+22	1,490132E+22	1,697755E+22	2,009962E+22
-19	2,299886E+22	2,489797E+22	2,572025E+22	2,572019E+22	2,489778E+22	2,299875E+22	2,009984E+22	1,697795E+22	1,490180E+22	1,490193E+22	1,697827E+22	2,010013E+22
-18	2,299866E+22	2,489714E+22	2,571911E+22	2,571885E+22	2,489687E+22	2,299851E+22	2,009994E+22	1,697821E+22	1,490210E+22	1,490211E+22	1,697819E+22	2,009974E+22
-17	2,299798E+22	2,489645E+22	2,571919E+22	2,571973E+22	2,489777E+22	2,299921E+22	2,010046E+22	1,697853E+22	1,490231E+22	1,490226E+22	1,697836E+22	2,010023E+22
-16	2,299908E+22	2,489753E+22	2,571951E+22	2,571946E+22	2,489725E+22	2,299869E+22	2,010019E+22	1,697853E+22	1,490255E+22	1,490271E+22	1,697886E+22	2,010037E+22
-15	2,299854E+22	2,489661E+22	2,571829E+22	2,571822E+22	2,489651E+22	2,299852E+22	2,010043E+22	1,697896E+22	1,490278E+22	1,490254E+22	1,697837E+22	2,009984E+22
-14	2,299827E+22	2,489698E+22	2,571947E+22	2,571960E+22	2,489750E+22	2,299900E+22	2,010044E+22	1,697878E+22	1,490272E+22	1,490265E+22	1,697864E+22	2,010039E+22
-13	2,299909E+22	2,489758E+22	2,571954E+22	2,571906E+22	2,489654E+22	2,299810E+22	2,009988E+22	1,697848E+22	1,490259E+22	1,490270E+22	1,697870E+22	2,010007E+22

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°
-12	2,299825E+22	2,489647E+22	2,571861E+22	2,571894E+22	2,489699E+22	2,299851E+22	2,010007E+22	1,697846E+22	1,490237E+22	1,490232E+22	1,697831E+22	2,009984E+22
-11	2,299845E+22	2,489739E+22	2,571987E+22	2,571999E+22	2,489782E+22	2,299899E+22	2,010003E+22	1,697810E+22	1,490200E+22	1,490217E+22	1,697856E+22	2,010050E+22
-10	2,299893E+22	2,489716E+22	2,571906E+22	2,571882E+22	2,489679E+22	2,299853E+22	2,009994E+22	1,697800E+22	1,490169E+22	1,490168E+22	1,697791E+22	2,009976E+22
-9	2,299827E+22	2,489656E+22	2,571891E+22	2,571939E+22	2,489750E+22	2,299905E+22	2,010030E+22	1,697813E+22	1,490156E+22	1,490132E+22	1,697750E+22	2,009967E+22
-8	2,299903E+22	2,489796E+22	2,571991E+22	2,571970E+22	2,489738E+22	2,299864E+22	2,009983E+22	1,697779E+22	1,490148E+22	1,490155E+22	1,697791E+22	2,009983E+22
-7	2,299848E+22	2,489705E+22	2,571895E+22	2,571867E+22	2,489664E+22	2,299833E+22	2,009983E+22	1,697794E+22	1,490146E+22	1,490127E+22	1,697745E+22	2,009929E+22
-6	2,299789E+22	2,489666E+22	2,571945E+22	2,571992E+22	2,489782E+22	2,299906E+22	2,010000E+22	1,697778E+22	1,490137E+22	1,490134E+22	1,697774E+22	2,009995E+22
-5	2,299894E+22	2,489753E+22	2,571965E+22	2,571950E+22	2,489707E+22	2,299835E+22	2,009955E+22	1,697749E+22	1,490125E+22	1,490150E+22	1,697805E+22	2,010001E+22
-4	2,299849E+22	2,489663E+22	2,571842E+22	2,571865E+22	2,489692E+22	2,299854E+22	2,009986E+22	1,697781E+22	1,490139E+22	1,490137E+22	1,697768E+22	2,009961E+22
-3	2,299845E+22	2,489739E+22	2,571972E+22	2,571968E+22	2,489760E+22	2,299898E+22	2,010005E+22	1,697795E+22	1,490163E+22	1,490168E+22	1,697812E+22	2,010030E+22
-2	2,299913E+22	2,489761E+22	2,571949E+22	2,571898E+22	2,489661E+22	2,299824E+22	2,009978E+22	1,697805E+22	1,490191E+22	1,490194E+22	1,697805E+22	2,009972E+22
-1	2,299819E+22	2,489652E+22	2,571885E+22	2,571929E+22	2,489724E+22	2,299871E+22	2,010023E+22	1,697855E+22	1,490237E+22	1,490220E+22	1,697807E+22	2,009969E+22
1	2,299858E+22	2,489751E+22	2,571978E+22	2,571982E+22	2,489757E+22	2,299875E+22	2,010007E+22	1,697850E+22	1,490266E+22	1,490288E+22	1,697900E+22	2,010044E+22
2	2,299853E+22	2,489675E+22	2,571870E+22	2,571854E+22	2,489654E+22	2,299842E+22	2,010030E+22	1,697893E+22	1,490296E+22	1,490291E+22	1,697874E+22	2,009998E+22
3	2,299792E+22	2,489609E+22	2,571858E+22	2,571919E+22	2,489741E+22	2,299914E+22	2,010079E+22	1,697925E+22	1,490325E+22	1,490313E+22	1,697892E+22	2,010040E+22
4	2,299897E+22	2,489746E+22	2,571937E+22	2,571905E+22	2,489671E+22	2,299836E+22	2,010025E+22	1,697903E+22	1,490333E+22	1,490348E+22	1,697937E+22	2,010055E+22
5	2,299854E+22	2,489662E+22	2,571831E+22	2,571811E+22	2,489618E+22	2,299821E+22	2,010039E+22	1,697929E+22	1,490349E+22	1,490339E+22	1,697893E+22	2,009991E+22
6	2,299802E+22	2,489675E+22	2,571934E+22	2,571947E+22	2,489723E+22	2,299873E+22	2,010046E+22	1,697922E+22	1,490349E+22	1,490349E+22	1,697927E+22	2,010063E+22
7	2,299893E+22	2,489726E+22	2,571927E+22	2,571907E+22	2,489668E+22	2,299815E+22	2,009992E+22	1,697876E+22	1,490315E+22	1,490332E+22	1,697916E+22	2,010028E+22
8	2,299819E+22	2,489617E+22	2,571822E+22	2,571877E+22	2,489705E+22	2,299873E+22	2,010041E+22	1,697892E+22	1,490291E+22	1,490279E+22	1,697859E+22	2,010001E+22
9	2,299852E+22	2,489726E+22	2,571948E+22	2,571948E+22	2,489741E+22	2,299888E+22	2,010029E+22	1,697862E+22	1,490263E+22	1,490272E+22	1,697889E+22	2,010059E+22
10	2,299890E+22	2,489713E+22	2,571899E+22	2,571860E+22	2,489632E+22	2,299822E+22	2,010018E+22	1,697865E+22	1,490246E+22	1,490229E+22	1,697816E+22	2,009964E+22
11	2,299797E+22	2,489630E+22	2,571868E+22	2,571922E+22	2,489727E+22	2,299888E+22	2,010045E+22	1,697871E+22	1,490245E+22	1,490219E+22	1,697803E+22	2,009963E+22
12	2,299856E+22	2,489763E+22	2,571982E+22	2,571964E+22	2,489721E+22	2,299840E+22	2,009976E+22	1,697810E+22	1,490215E+22	1,490235E+22	1,697857E+22	2,010010E+22
13	2,299832E+22	2,489671E+22	2,571862E+22	2,571851E+22	2,489660E+22	2,299833E+22	2,009988E+22	1,697817E+22	1,490205E+22	1,490208E+22	1,697813E+22	2,009962E+22
14	2,299782E+22	2,489635E+22	2,571900E+22	2,571948E+22	2,489750E+22	2,299899E+22	2,010027E+22	1,697833E+22	1,490210E+22	1,490209E+22	1,697834E+22	2,010035E+22
15	2,299910E+22	2,489743E+22	2,571929E+22	2,571921E+22	2,489690E+22	2,299827E+22	2,009972E+22	1,697801E+22	1,490197E+22	1,490214E+22	1,697841E+22	2,010015E+22
16	2,299853E+22	2,489663E+22	2,571825E+22	2,571843E+22	2,489673E+22	2,299852E+22	2,010017E+22	1,697846E+22	1,490222E+22	1,490205E+22	1,697802E+22	2,009966E+22
17	2,299836E+22	2,489732E+22	2,571964E+22	2,571945E+22	2,489718E+22	2,299866E+22	2,010016E+22	1,697853E+22	1,490254E+22	1,490260E+22	1,697871E+22	2,010040E+22
18	2,299885E+22	2,489732E+22	2,571939E+22	2,571899E+22	2,489639E+22	2,299798E+22	2,009994E+22	1,697868E+22	1,490283E+22	1,490286E+22	1,697866E+22	2,009984E+22
19	2,299785E+22	2,489598E+22	2,571831E+22	2,571901E+22	2,489720E+22	2,299883E+22	2,010053E+22	1,697916E+22	1,490330E+22	1,490319E+22	1,697881E+22	2,009994E+22
20	2,299832E+22	2,489714E+22	2,571939E+22	2,571939E+22	2,489723E+22	2,299865E+22	2,010027E+22	1,697899E+22	1,490340E+22	1,490365E+22	1,697960E+22	2,010079E+22
21	2,299863E+22	2,489664E+22	2,571836E+22	2,571811E+22	2,489617E+22	2,299826E+22	2,010047E+22	1,697944E+22	1,490375E+22	1,490372E+22	1,697924E+22	2,010011E+22
22	2,299787E+22	2,489602E+22	2,571835E+22	2,571872E+22	2,489684E+22	2,299880E+22	2,010096E+22	1,697993E+22	1,490420E+22	1,490400E+22	1,697944E+22	2,010053E+22
23	2,299884E+22	2,489731E+22	2,571927E+22	2,571904E+22	2,489659E+22	2,299810E+22	2,010023E+22	1,697949E+22	1,490413E+22	1,490428E+22	1,697983E+22	2,010060E+22
24	2,299831E+22	2,489636E+22	2,571818E+22	2,571817E+22	2,489629E+22	2,299825E+22	2,010052E+22	1,697971E+22	1,490418E+22	1,490407E+22	1,697943E+22	2,010011E+22

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°
25	2,299788E+22	2,489643E+22	2,571902E+22	2,571919E+22	2,489705E+22	2,299868E+22	2,010060E+22	1,697959E+22	1,490409E+22	1,490417E+22	1,697984E+22	2,010094E+22
26	2,299890E+22	2,489702E+22	2,571903E+22	2,571890E+22	2,489647E+22	2,299810E+22	2,010025E+22	1,697932E+22	1,490377E+22	1,490386E+22	1,697949E+22	2,010039E+22
27	2,299812E+22	2,489596E+22	2,571781E+22	2,571839E+22	2,489688E+22	2,299878E+22	2,010074E+22	1,697954E+22	1,490369E+22	1,490347E+22	1,697895E+22	2,009998E+22
28	2,299826E+22	2,489716E+22	2,571940E+22	2,571916E+22	2,489702E+22	2,299865E+22	2,010040E+22	1,697909E+22	1,490333E+22	1,490339E+22	1,697928E+22	2,010064E+22
29	2,299874E+22	2,489701E+22	2,571895E+22	2,571852E+22	2,489612E+22	2,299798E+22	2,010016E+22	1,697902E+22	1,490320E+22	1,490313E+22	1,697871E+22	2,009971E+22
30	2,299766E+22	2,489592E+22	2,571834E+22	2,571892E+22	2,489700E+22	2,299864E+22	2,010049E+22	1,697918E+22	1,490324E+22	1,490306E+22	1,697873E+22	2,010000E+22
31	2,299845E+22	2,489718E+22	2,571933E+22	2,571944E+22	2,489722E+22	2,299839E+22	2,009982E+22	1,697842E+22	1,490274E+22	1,490302E+22	1,697912E+22	2,010047E+22
32	2,299842E+22	2,489652E+22	2,571824E+22	2,571817E+22	2,489644E+22	2,299837E+22	2,010014E+22	1,697862E+22	1,490261E+22	1,490258E+22	1,697851E+22	2,009992E+22
33	2,299800E+22	2,489635E+22	2,571872E+22	2,571891E+22	2,489691E+22	2,299866E+22	2,010040E+22	1,697885E+22	1,490281E+22	1,490274E+22	1,697873E+22	2,010050E+22
34	2,299914E+22	2,489752E+22	2,571937E+22	2,571906E+22	2,489646E+22	2,299794E+22	2,009990E+22	1,697865E+22	1,490281E+22	1,490285E+22	1,697871E+22	2,010004E+22
35	2,299825E+22	2,489643E+22	2,571815E+22	2,571839E+22	2,489663E+22	2,299840E+22	2,010033E+22	1,697909E+22	1,490321E+22	1,490301E+22	1,697856E+22	2,009958E+22
36	2,299784E+22	2,489695E+22	2,571952E+22	2,571940E+22	2,489711E+22	2,299857E+22	2,010025E+22	1,697900E+22	1,490335E+22	1,490347E+22	1,697935E+22	2,010061E+22
37	2,299862E+22	2,489691E+22	2,571906E+22	2,571884E+22	2,489639E+22	2,299806E+22	2,010014E+22	1,697916E+22	1,490365E+22	1,490378E+22	1,697933E+22	2,010008E+22
38	2,299766E+22	2,489555E+22	2,571775E+22	2,571846E+22	2,489685E+22	2,299879E+22	2,010092E+22	1,697991E+22	1,490425E+22	1,490410E+22	1,697948E+22	2,010031E+22
39	2,299833E+22	2,489684E+22	2,571891E+22	2,571901E+22	2,489702E+22	2,299856E+22	2,010050E+22	1,697963E+22	1,490429E+22	1,490447E+22	1,698008E+22	2,010095E+22
40	2,299863E+22	2,489657E+22	2,571817E+22	2,571779E+22	2,489586E+22	2,299813E+22	2,010070E+22	1,698008E+22	1,490465E+22	1,490453E+22	1,697974E+22	2,010028E+22
41	2,299779E+22	2,489589E+22	2,571824E+22	2,571844E+22	2,489636E+22	2,299835E+22	2,010092E+22	1,698044E+22	1,490510E+22	1,490495E+22	1,698013E+22	2,010079E+22
42	2,299871E+22	2,489707E+22	2,571918E+22	2,571902E+22	2,489641E+22	2,299787E+22	2,010029E+22	1,697993E+22	1,490488E+22	1,490508E+22	1,698041E+22	2,010082E+22
43	2,299814E+22	2,489597E+22	2,571778E+22	2,571796E+22	2,489632E+22	2,299839E+22	2,010074E+22	1,698015E+22	1,490487E+22	1,490482E+22	1,697998E+22	2,010032E+22
44	2,299777E+22	2,489624E+22	2,571878E+22	2,571886E+22	2,489679E+22	2,299863E+22	2,010078E+22	1,697997E+22	1,490460E+22	1,490467E+22	1,698019E+22	2,010114E+22
45	2,299900E+22	2,489699E+22	2,571885E+22	2,571861E+22	2,489624E+22	2,299801E+22	2,010040E+22	1,697975E+22	1,490442E+22	1,490447E+22	1,697975E+22	2,010032E+22
46	2,299793E+22	2,489584E+22	2,571767E+22	2,571803E+22	2,489648E+22	2,299857E+22	2,010094E+22	1,698016E+22	1,490453E+22	1,490422E+22	1,697937E+22	2,010001E+22
47	2,299800E+22	2,489679E+22	2,571919E+22	2,571915E+22	2,489700E+22	2,299847E+22	2,010039E+22	1,697949E+22	1,490405E+22	1,490411E+22	1,697969E+22	2,010065E+22
48	2,299845E+22	2,489662E+22	2,571865E+22	2,571839E+22	2,489616E+22	2,299805E+22	2,010031E+22	1,697942E+22	1,490384E+22	1,490378E+22	1,697923E+22	2,010002E+22
49	2,299757E+22	2,489556E+22	2,571793E+22	2,571849E+22	2,489665E+22	2,299846E+22	2,010058E+22	1,697957E+22	1,490386E+22	1,490376E+22	1,697933E+22	2,010041E+22
50	2,299857E+22	2,489701E+22	2,571906E+22	2,571908E+22	2,489682E+22	2,299820E+22	2,010007E+22	1,697896E+22	1,490339E+22	1,490360E+22	1,697948E+22	2,010064E+22
51	2,299848E+22	2,489644E+22	2,571798E+22	2,571780E+22	2,489619E+22	2,299832E+22	2,010039E+22	1,697921E+22	1,490343E+22	1,490332E+22	1,697890E+22	2,009990E+22
52	2,299782E+22	2,489640E+22	2,571882E+22	2,571870E+22	2,489652E+22	2,299837E+22	2,010043E+22	1,697930E+22	1,490356E+22	1,490347E+22	1,697915E+22	2,010052E+22
53	2,299894E+22	2,489739E+22	2,571942E+22	2,571913E+22	2,489641E+22	2,299775E+22	2,009988E+22	1,697909E+22	1,490368E+22	1,490379E+22	1,697927E+22	2,010005E+22
54	2,299785E+22	2,489595E+22	2,571784E+22	2,571819E+22	2,489656E+22	2,299837E+22	2,010051E+22	1,697969E+22	1,490416E+22	1,490403E+22	1,697933E+22	2,009991E+22
55	2,299761E+22	2,489628E+22	2,571892E+22	2,571917E+22	2,489719E+22	2,299868E+22	2,010049E+22	1,697953E+22	1,490415E+22	1,490431E+22	1,697994E+22	2,010091E+22
56	2,299861E+22	2,489658E+22	2,571856E+22	2,571838E+22	2,489620E+22	2,299817E+22	2,010056E+22	1,697986E+22	1,490447E+22	1,490451E+22	1,697986E+22	2,010044E+22
57	2,299776E+22	2,489542E+22	2,571740E+22	2,571779E+22	2,489615E+22	2,299841E+22	2,010108E+22	1,698060E+22	1,490520E+22	1,490498E+22	1,698006E+22	2,010056E+22
58	2,299837E+22	2,489681E+22	2,571887E+22	2,571872E+22	2,489646E+22	2,299818E+22	2,010065E+22	1,698028E+22	1,490523E+22	1,490534E+22	1,698057E+22	2,010100E+22
59	2,299844E+22	2,489637E+22	2,571806E+22	2,571771E+22	2,489573E+22	2,299797E+22	2,010076E+22	1,698060E+22	1,490557E+22	1,490551E+22	1,698037E+22	2,010034E+22
60	2,299748E+22	2,489565E+22	2,571815E+22	2,571834E+22	2,489626E+22	2,299822E+22	2,010089E+22	1,698073E+22	1,490573E+22	1,490570E+22	1,698073E+22	2,010108E+22

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	2,299868E+22	2,489685E+22	2,571898E+22	2,571893E+22	2,489645E+22	2,299795E+22	2,010042E+22	1,698029E+22	1,490552E+22	1,490577E+22	1,698087E+22	2,010099E+22
62	2,299807E+22	2,489570E+22	2,571741E+22	2,571755E+22	2,489608E+22	2,299840E+22	2,010108E+22	1,698079E+22	1,490562E+22	1,490548E+22	1,698040E+22	2,010051E+22
63	2,299772E+22	2,489593E+22	2,571842E+22	2,571861E+22	2,489670E+22	2,299862E+22	2,010102E+22	1,698053E+22	1,490532E+22	1,490526E+22	1,698042E+22	2,010107E+22
64	2,299885E+22	2,489688E+22	2,571876E+22	2,571840E+22	2,489601E+22	2,299796E+22	2,010065E+22	1,698032E+22	1,490515E+22	1,490510E+22	1,698012E+22	2,010036E+22
65	2,299767E+22	2,489553E+22	2,571747E+22	2,571770E+22	2,489600E+22	2,299815E+22	2,010090E+22	1,698061E+22	1,490532E+22	1,490507E+22	1,698000E+22	2,010024E+22
66	2,299783E+22	2,489640E+22	2,571890E+22	2,571892E+22	2,489676E+22	2,299833E+22	2,010047E+22	1,697986E+22	1,490471E+22	1,490485E+22	1,698025E+22	2,010091E+22
67	2,299839E+22	2,489625E+22	2,571819E+22	2,571802E+22	2,489601E+22	2,299807E+22	2,010046E+22	1,697981E+22	1,490448E+22	1,490450E+22	1,697978E+22	2,010025E+22
68	2,299762E+22	2,489550E+22	2,571773E+22	2,571807E+22	2,489623E+22	2,299822E+22	2,010061E+22	1,697989E+22	1,490438E+22	1,490427E+22	1,697969E+22	2,010064E+22
69	2,299875E+22	2,489712E+22	2,571906E+22	2,571889E+22	2,489654E+22	2,299797E+22	2,010006E+22	1,697937E+22	1,490410E+22	1,490425E+22	1,697975E+22	2,010056E+22
70	2,299829E+22	2,489634E+22	2,571801E+22	2,571765E+22	2,489590E+22	2,299812E+22	2,010053E+22	1,697981E+22	1,490430E+22	1,490415E+22	1,697937E+22	2,009991E+22
71	2,299750E+22	2,489594E+22	2,571865E+22	2,571886E+22	2,489669E+22	2,299837E+22	2,010053E+22	1,697977E+22	1,490435E+22	1,490428E+22	1,697962E+22	2,010051E+22
72	2,299859E+22	2,489694E+22	2,571912E+22	2,571903E+22	2,489656E+22	2,299802E+22	2,010022E+22	1,697964E+22	1,490445E+22	1,490458E+22	1,697990E+22	2,010035E+22
73	2,299766E+22	2,489545E+22	2,571734E+22	2,571767E+22	2,489618E+22	2,299832E+22	2,010082E+22	1,698035E+22	1,490506E+22	1,490496E+22	1,698005E+22	2,010034E+22
74	2,299770E+22	2,489596E+22	2,571843E+22	2,571863E+22	2,489674E+22	2,299860E+22	2,010088E+22	1,698027E+22	1,490509E+22	1,490516E+22	1,698047E+22	2,010113E+22
75	2,299864E+22	2,489641E+22	2,571817E+22	2,571785E+22	2,489579E+22	2,299805E+22	2,010084E+22	1,698060E+22	1,490552E+22	1,490551E+22	1,698045E+22	2,010052E+22
76	2,299768E+22	2,489547E+22	2,571743E+22	2,571749E+22	2,489559E+22	2,299794E+22	2,010103E+22	1,698108E+22	1,490606E+22	1,490588E+22	1,698067E+22	2,010077E+22
77	2,299833E+22	2,489672E+22	2,571890E+22	2,571872E+22	2,489627E+22	2,299784E+22	2,010050E+22	1,698068E+22	1,490610E+22	1,490630E+22	1,698119E+22	2,010113E+22
78	2,299820E+22	2,489602E+22	2,571785E+22	2,571757E+22	2,489566E+22	2,299794E+22	2,010088E+22	1,698105E+22	1,490636E+22	1,490639E+22	1,698107E+22	2,010069E+22
79	2,299741E+22	2,489520E+22	2,571774E+22	2,571824E+22	2,489634E+22	2,299834E+22	2,010109E+22	1,698111E+22	1,490630E+22	1,490629E+22	1,698110E+22	2,010121E+22
80	2,299867E+22	2,489668E+22	2,571865E+22	2,571858E+22	2,489633E+22	2,299812E+22	2,010082E+22	1,698088E+22	1,490614E+22	1,490625E+22	1,698116E+22	2,010110E+22
81	2,299800E+22	2,489555E+22	2,571719E+22	2,571709E+22	2,489554E+22	2,299813E+22	2,010127E+22	1,698141E+22	1,490645E+22	1,490620E+22	1,698078E+22	2,010055E+22
82	2,299759E+22	2,489571E+22	2,571827E+22	2,571838E+22	2,489628E+22	2,299838E+22	2,010121E+22	1,698110E+22	1,490614E+22	1,490602E+22	1,698079E+22	2,010097E+22
83	2,299848E+22	2,489646E+22	2,571849E+22	2,571827E+22	2,489591E+22	2,299788E+22	2,010074E+22	1,698080E+22	1,490597E+22	1,490599E+22	1,698072E+22	2,010041E+22
84	2,299738E+22	2,489523E+22	2,571724E+22	2,571746E+22	2,489574E+22	2,299796E+22	2,010083E+22	1,698082E+22	1,490585E+22	1,490575E+22	1,698060E+22	2,010060E+22
85	2,299789E+22	2,489620E+22	2,571862E+22	2,571868E+22	2,489657E+22	2,299822E+22	2,010047E+22	1,698016E+22	1,490530E+22	1,490549E+22	1,698070E+22	2,010113E+22
86	2,299843E+22	2,489610E+22	2,571789E+22	2,571764E+22	2,489572E+22	2,299799E+22	2,010066E+22	1,698030E+22	1,490516E+22	1,490515E+22	1,698022E+22	2,010046E+22
87	2,299768E+22	2,489535E+22	2,571753E+22	2,571795E+22	2,489612E+22	2,299815E+22	2,010073E+22	1,698031E+22	1,490503E+22	1,490485E+22	1,697994E+22	2,010056E+22
88	2,299863E+22	2,489708E+22	2,571909E+22	2,571885E+22	2,489644E+22	2,299798E+22	2,010031E+22	1,697992E+22	1,490482E+22	1,490491E+22	1,698017E+22	2,010061E+22
89	2,299799E+22	2,489599E+22	2,571785E+22	2,571751E+22	2,489563E+22	2,299788E+22	2,010061E+22	1,698036E+22	1,490520E+22	1,490509E+22	1,698005E+22	2,010016E+22
90	2,299730E+22	2,489542E+22	2,571821E+22	2,571859E+22	2,489656E+22	2,299846E+22	2,010084E+22	1,698033E+22	1,490519E+22	1,490517E+22	1,698025E+22	2,010073E+22
91	2,299844E+22	2,489647E+22	2,571855E+22	2,571857E+22	2,489635E+22	2,299815E+22	2,010061E+22	1,698030E+22	1,490534E+22	1,490550E+22	1,698055E+22	2,010059E+22
92	2,299769E+22	2,489535E+22	2,571699E+22	2,571707E+22	2,489556E+22	2,299801E+22	2,010096E+22	1,698091E+22	1,490587E+22	1,490574E+22	1,698060E+22	2,010063E+22
93	2,299789E+22	2,489605E+22	2,571834E+22	2,571829E+22	2,489625E+22	2,299823E+22	2,010087E+22	1,698085E+22	1,490606E+22	1,490607E+22	1,698094E+22	2,010115E+22
94	2,299851E+22	2,489632E+22	2,571813E+22	2,571766E+22	2,489540E+22	2,299769E+22	2,010087E+22	1,698118E+22	1,490650E+22	1,490650E+22	1,698110E+22	2,010066E+22
95	2,299745E+22	2,489506E+22	2,571726E+22	2,571764E+22	2,489569E+22	2,299784E+22	2,010101E+22	1,698145E+22	1,490681E+22	1,490670E+22	1,698121E+22	2,010087E+22
96	2,299811E+22	2,489641E+22	2,571872E+22	2,571870E+22	2,489640E+22	2,299807E+22	2,010079E+22	1,698113E+22	1,490673E+22	1,490697E+22	1,698176E+22	2,010142E+22

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	2,299805E+22	2,489561E+22	2,571748E+22	2,571723E+22	2,489535E+22	2,299789E+22	2,010117E+22	1,698165E+22	1,490713E+22	1,490713E+22	1,698161E+22	2,010097E+22
98	2,299744E+22	2,489493E+22	2,571733E+22	2,571783E+22	2,489606E+22	2,299842E+22	2,010153E+22	1,698178E+22	1,490711E+22	1,490698E+22	1,698143E+22	2,010117E+22
99	2,299851E+22	2,489648E+22	2,571836E+22	2,571819E+22	2,489604E+22	2,299812E+22	2,010116E+22	1,698156E+22	1,490706E+22	1,490710E+22	1,698158E+22	2,010099E+22
100	2,299775E+22	2,489545E+22	2,571711E+22	2,571682E+22	2,489503E+22	2,299772E+22	2,010124E+22	1,698184E+22	1,490722E+22	1,490701E+22	1,698134E+22	2,010070E+22
101	2,299744E+22	2,489545E+22	2,571808E+22	2,571830E+22	2,489609E+22	2,299807E+22	2,010103E+22	1,698143E+22	1,490692E+22	1,490687E+22	1,698139E+22	2,010115E+22
102	2,299826E+22	2,489603E+22	2,571806E+22	2,571799E+22	2,489575E+22	2,299781E+22	2,010081E+22	1,698113E+22	1,490660E+22	1,490676E+22	1,698141E+22	2,010085E+22
103	2,299745E+22	2,489486E+22	2,571681E+22	2,571727E+22	2,489566E+22	2,299795E+22	2,010093E+22	1,698107E+22	1,490626E+22	1,490621E+22	1,698095E+22	2,010083E+22
104	2,299807E+22	2,489626E+22	2,571846E+22	2,571839E+22	2,489633E+22	2,299824E+22	2,010075E+22	1,698061E+22	1,490577E+22	1,490589E+22	1,698098E+22	2,010125E+22
105	2,299842E+22	2,489611E+22	2,571787E+22	2,571738E+22	2,489523E+22	2,299769E+22	2,010078E+22	1,698083E+22	1,490591E+22	1,490581E+22	1,698056E+22	2,010049E+22
106	2,299757E+22	2,489523E+22	2,571750E+22	2,571788E+22	2,489592E+22	2,299808E+22	2,010095E+22	1,698085E+22	1,490582E+22	1,490561E+22	1,698030E+22	2,010040E+22
107	2,299819E+22	2,489666E+22	2,571883E+22	2,571880E+22	2,489650E+22	2,299811E+22	2,010058E+22	1,698049E+22	1,490571E+22	1,490583E+22	1,698075E+22	2,010062E+22
108	2,299768E+22	2,489565E+22	2,571752E+22	2,571726E+22	2,489540E+22	2,299782E+22	2,010077E+22	1,698081E+22	1,490594E+22	1,490591E+22	1,698073E+22	2,010053E+22
109	2,299733E+22	2,489512E+22	2,571774E+22	2,571820E+22	2,489624E+22	2,299832E+22	2,010100E+22	1,698092E+22	1,490608E+22	1,490602E+22	1,698082E+22	2,010095E+22
110	2,299839E+22	2,489620E+22	2,571809E+22	2,571806E+22	2,489592E+22	2,299801E+22	2,010089E+22	1,698100E+22	1,490630E+22	1,490642E+22	1,698120E+22	2,010087E+22
111	2,299771E+22	2,489518E+22	2,571680E+22	2,571688E+22	2,489522E+22	2,299774E+22	2,010101E+22	1,698140E+22	1,490669E+22	1,490656E+22	1,698106E+22	2,010068E+22
112	2,299778E+22	2,489603E+22	2,571835E+22	2,571819E+22	2,489597E+22	2,299802E+22	2,010099E+22	1,698137E+22	1,490687E+22	1,490691E+22	1,698157E+22	2,010132E+22
113	2,299824E+22	2,489599E+22	2,571797E+22	2,571758E+22	2,489517E+22	2,299744E+22	2,010086E+22	1,698165E+22	1,490738E+22	1,490748E+22	1,698185E+22	2,010101E+22
114	2,299738E+22	2,489469E+22	2,571687E+22	2,571740E+22	2,489564E+22	2,299799E+22	2,010129E+22	1,698192E+22	1,490755E+22	1,490750E+22	1,698176E+22	2,010105E+22
115	2,299798E+22	2,489605E+22	2,571825E+22	2,571834E+22	2,489628E+22	2,299827E+22	2,010125E+22	1,698180E+22	1,490754E+22	1,490773E+22	1,698222E+22	2,010152E+22
116	2,299803E+22	2,489555E+22	2,571721E+22	2,571680E+22	2,489486E+22	2,299767E+22	2,010137E+22	1,698221E+22	1,490788E+22	1,490781E+22	1,698201E+22	2,010110E+22
117	2,299744E+22	2,489489E+22	2,571718E+22	2,571756E+22	2,489565E+22	2,299810E+22	2,010157E+22	1,698237E+22	1,490803E+22	1,490778E+22	1,698181E+22	2,010106E+22
118	2,299814E+22	2,489618E+22	2,571816E+22	2,571802E+22	2,489576E+22	2,299789E+22	2,010125E+22	1,698209E+22	1,490792E+22	1,490801E+22	1,698221E+22	2,010114E+22
119	2,299745E+22	2,489496E+22	2,571682E+22	2,571685E+22	2,489504E+22	2,299761E+22	2,010120E+22	1,698210E+22	1,490780E+22	1,490770E+22	1,698186E+22	2,010089E+22
120	2,299733E+22	2,489522E+22	2,571780E+22	2,571809E+22	2,489601E+22	2,299816E+22	2,010125E+22	1,698177E+22	1,490737E+22	1,490741E+22	1,698195E+22	2,010153E+22
121	2,299828E+22	2,489579E+22	2,571769E+22	2,571761E+22	2,489537E+22	2,299763E+22	2,010097E+22	1,698159E+22	1,490722E+22	1,490735E+22	1,698187E+22	2,010119E+22
122	2,299764E+22	2,489484E+22	2,571653E+22	2,571690E+22	2,489539E+22	2,299797E+22	2,010123E+22	1,698158E+22	1,490690E+22	1,490674E+22	1,698119E+22	2,010078E+22
123	2,299797E+22	2,489625E+22	2,571840E+22	2,571819E+22	2,489609E+22	2,299821E+22	2,010104E+22	1,698121E+22	1,490657E+22	1,490660E+22	1,698130E+22	2,010110E+22
124	2,299817E+22	2,489607E+22	2,571790E+22	2,571732E+22	2,489488E+22	2,299734E+22	2,010078E+22	1,698126E+22	1,490664E+22	1,490658E+22	1,698108E+22	2,010058E+22
125	2,299734E+22	2,489495E+22	2,571729E+22	2,571787E+22	2,489587E+22	2,299791E+22	2,010092E+22	1,698130E+22	1,490668E+22	1,490650E+22	1,698089E+22	2,010051E+22
126	2,299783E+22	2,489613E+22	2,571832E+22	2,571848E+22	2,489636E+22	2,299815E+22	2,010081E+22	1,698100E+22	1,490650E+22	1,490672E+22	1,698147E+22	2,010099E+22
127	2,299762E+22	2,489517E+22	2,571697E+22	2,571695E+22	2,489518E+22	2,299774E+22	2,010096E+22	1,698129E+22	1,490661E+22	1,490659E+22	1,698120E+22	2,010076E+22
128	2,299743E+22	2,489512E+22	2,571748E+22	2,571778E+22	2,489584E+22	2,299819E+22	2,010128E+22	1,698153E+22	1,490682E+22	1,490671E+22	1,698133E+22	2,010116E+22
129	2,299831E+22	2,489610E+22	2,571794E+22	2,571770E+22	2,489532E+22	2,299755E+22	2,010094E+22	1,698162E+22	1,490726E+22	1,490735E+22	1,698179E+22	2,010106E+22
130	2,299762E+22	2,489503E+22	2,571668E+22	2,571675E+22	2,489502E+22	2,299763E+22	2,010115E+22	1,698191E+22	1,490756E+22	1,490746E+22	1,698162E+22	2,010070E+22
131	2,299746E+22	2,489570E+22	2,571813E+22	2,571814E+22	2,489600E+22	2,299811E+22	2,010122E+22	1,698191E+22	1,490774E+22	1,490785E+22	1,698220E+22	2,010146E+22
132	2,299806E+22	2,489573E+22	2,571768E+22	2,571737E+22	2,489498E+22	2,299738E+22	2,010104E+22	1,698211E+22	1,490810E+22	1,490826E+22	1,698246E+22	2,010135E+22

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°
133	2,299743E+22	2,489449E+22	2,571650E+22	2,571712E+22	2,489545E+22	2,299793E+22	2,010153E+22	1,698258E+22	1,490845E+22	1,490827E+22	1,698221E+22	2,010114E+22
134	2,299782E+22	2,489577E+22	2,571784E+22	2,571791E+22	2,489596E+22	2,299824E+22	2,010161E+22	1,698254E+22	1,490849E+22	1,490858E+22	1,698273E+22	2,010165E+22
135	2,299788E+22	2,489528E+22	2,571700E+22	2,571665E+22	2,489458E+22	2,299746E+22	2,010153E+22	1,698277E+22	1,490868E+22	1,490857E+22	1,698244E+22	2,010111E+22
136	2,299725E+22	2,489475E+22	2,571707E+22	2,571741E+22	2,489540E+22	2,299790E+22	2,010170E+22	1,698287E+22	1,490876E+22	1,490858E+22	1,698246E+22	2,010128E+22
137	2,299783E+22	2,489573E+22	2,571782E+22	2,571779E+22	2,489549E+22	2,299763E+22	2,010122E+22	1,698248E+22	1,490867E+22	1,490887E+22	1,698295E+22	2,010159E+22
138	2,299749E+22	2,489468E+22	2,571638E+22	2,571646E+22	2,489489E+22	2,299770E+22	2,010139E+22	1,698241E+22	1,490834E+22	1,490832E+22	1,698234E+22	2,010114E+22
139	2,299737E+22	2,489508E+22	2,571747E+22	2,571770E+22	2,489577E+22	2,299818E+22	2,010154E+22	1,698227E+22	1,490799E+22	1,490797E+22	1,698226E+22	2,010162E+22
140	2,299840E+22	2,489595E+22	2,571764E+22	2,571732E+22	2,489491E+22	2,299730E+22	2,010101E+22	1,698200E+22	1,490781E+22	1,490786E+22	1,698214E+22	2,010126E+22
141	2,299768E+22	2,489496E+22	2,571660E+22	2,571684E+22	2,489510E+22	2,299761E+22	2,010119E+22	1,698207E+22	1,490769E+22	1,490740E+22	1,698144E+22	2,010058E+22
142	2,299750E+22	2,489590E+22	2,571827E+22	2,571820E+22	2,489604E+22	2,299811E+22	2,010117E+22	1,698172E+22	1,490737E+22	1,490742E+22	1,698184E+22	2,010115E+22
143	2,299775E+22	2,489550E+22	2,571763E+22	2,571742E+22	2,489500E+22	2,299736E+22	2,010087E+22	1,698159E+22	1,490725E+22	1,490727E+22	1,698159E+22	2,010073E+22
144	2,299712E+22	2,489458E+22	2,571687E+22	2,571755E+22	2,489576E+22	2,299803E+22	2,010126E+22	1,698179E+22	1,490729E+22	1,490719E+22	1,698154E+22	2,010086E+22
145	2,299770E+22	2,489570E+22	2,571776E+22	2,571795E+22	2,489595E+22	2,299799E+22	2,010106E+22	1,698164E+22	1,490735E+22	1,490754E+22	1,698208E+22	2,010139E+22
146	2,299778E+22	2,489507E+22	2,571656E+22	2,571638E+22	2,489479E+22	2,299768E+22	2,010122E+22	1,698189E+22	1,490747E+22	1,490739E+22	1,698166E+22	2,010084E+22
147	2,299734E+22	2,489508E+22	2,571737E+22	2,571747E+22	2,489543E+22	2,299796E+22	2,010149E+22	1,698220E+22	1,490779E+22	1,490765E+22	1,698185E+22	2,010121E+22
148	2,299818E+22	2,489605E+22	2,571793E+22	2,571760E+22	2,489495E+22	2,299710E+22	2,010085E+22	1,698206E+22	1,490810E+22	1,490827E+22	1,698247E+22	2,010135E+22
149	2,299753E+22	2,489481E+22	2,571650E+22	2,571671E+22	2,489496E+22	2,299743E+22	2,010113E+22	1,698239E+22	1,490845E+22	1,490836E+22	1,698225E+22	2,010090E+22
150	2,299722E+22	2,489524E+22	2,571769E+22	2,571787E+22	2,489593E+22	2,299823E+22	2,010155E+22	1,698249E+22	1,490854E+22	1,490870E+22	1,698285E+22	2,010179E+22
151	2,299800E+22	2,489537E+22	2,571731E+22	2,571715E+22	2,489482E+22	2,299738E+22	2,010134E+22	1,698268E+22	1,490881E+22	1,490889E+22	1,698283E+22	2,010146E+22
152	2,299743E+22	2,489450E+22	2,571633E+22	2,571675E+22	2,489512E+22	2,299787E+22	2,010188E+22	1,698325E+22	1,490925E+22	1,490901E+22	1,698268E+22	2,010120E+22
153	2,299753E+22	2,489549E+22	2,571765E+22	2,571761E+22	2,489550E+22	2,299789E+22	2,010172E+22	1,698320E+22	1,490948E+22	1,490952E+22	1,698331E+22	2,010178E+22
154	2,299768E+22	2,489497E+22	2,571672E+22	2,571643E+22	2,489445E+22	2,299740E+22	2,010164E+22	1,698326E+22	1,490953E+22	1,490945E+22	1,698301E+22	2,010120E+22
155	2,299695E+22	2,489438E+22	2,571678E+22	2,571721E+22	2,489531E+22	2,299790E+22	2,010189E+22	1,698336E+22	1,490952E+22	1,490940E+22	1,698305E+22	2,010154E+22
156	2,299781E+22	2,489552E+22	2,571749E+22	2,571743E+22	2,489513E+22	2,299741E+22	2,010128E+22	1,698282E+22	1,490924E+22	1,490949E+22	1,698348E+22	2,010198E+22
157	2,299769E+22	2,489465E+22	2,571617E+22	2,571620E+22	2,489464E+22	2,299749E+22	2,010147E+22	1,698289E+22	1,490902E+22	1,490888E+22	1,698264E+22	2,010121E+22
158	2,299731E+22	2,489501E+22	2,571730E+22	2,571741E+22	2,489551E+22	2,299808E+22	2,010172E+22	1,698277E+22	1,490868E+22	1,490861E+22	1,698260E+22	2,010164E+22
159	2,299819E+22	2,489575E+22	2,571764E+22	2,571735E+22	2,489477E+22	2,299711E+22	2,010106E+22	1,698238E+22	1,490842E+22	1,490844E+22	1,698241E+22	2,010116E+22
160	2,299740E+22	2,489479E+22	2,571657E+22	2,571686E+22	2,489510E+22	2,299755E+22	2,010131E+22	1,698248E+22	1,490832E+22	1,490813E+22	1,698203E+22	2,010071E+22
161	2,299706E+22	2,489526E+22	2,571781E+22	2,571796E+22	2,489592E+22	2,299803E+22	2,010127E+22	1,698217E+22	1,490813E+22	1,490826E+22	1,698250E+22	2,010153E+22
162	2,299769E+22	2,489506E+22	2,571701E+22	2,571688E+22	2,489488E+22	2,299756E+22	2,010120E+22	1,698208E+22	1,490792E+22	1,490796E+22	1,698210E+22	2,010099E+22
163	2,299714E+22	2,489439E+22	2,571645E+22	2,571698E+22	2,489535E+22	2,299797E+22	2,010162E+22	1,698246E+22	1,490810E+22	1,490790E+22	1,698195E+22	2,010104E+22
164	2,299783E+22	2,489576E+22	2,571758E+22	2,571745E+22	2,489529E+22	2,299752E+22	2,010108E+22	1,698216E+22	1,490816E+22	1,490830E+22	1,698254E+22	2,010159E+22
165	2,299785E+22	2,489516E+22	2,571662E+22	2,571626E+22	2,489442E+22	2,299721E+22	2,010114E+22	1,698243E+22	1,490841E+22	1,490826E+22	1,698212E+22	2,010081E+22
166	2,299701E+22	2,489479E+22	2,571728E+22	2,571745E+22	2,489536E+22	2,299781E+22	2,010153E+22	1,698270E+22	1,490867E+22	1,490860E+22	1,698252E+22	2,010140E+22
167	2,299788E+22	2,489559E+22	2,571774E+22	2,571769E+22	2,489507E+22	2,299714E+22	2,010097E+22	1,698246E+22	1,490879E+22	1,490902E+22	1,698301E+22	2,010156E+22
168	2,299743E+22	2,489457E+22	2,571626E+22	2,571651E+22	2,489492E+22	2,299759E+22	2,010153E+22	1,698298E+22	1,490915E+22	1,490912E+22	1,698287E+22	2,010117E+22

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	2,299703E+22	2,489479E+22	2,571722E+22	2,571745E+22	2,489563E+22	2,299817E+22	2,010192E+22	1,698328E+22	1,490953E+22	1,490957E+22	1,698340E+22	2,010202E+22
170	2,299802E+22	2,489522E+22	2,571693E+22	2,571662E+22	2,489455E+22	2,299746E+22	2,010172E+22	1,698340E+22	1,490978E+22	1,490977E+22	1,698329E+22	2,010144E+22
171	2,299718E+22	2,489432E+22	2,571617E+22	2,571641E+22	2,489473E+22	2,299769E+22	2,010215E+22	1,698400E+22	1,491029E+22	1,491000E+22	1,698323E+22	2,010128E+22
172	2,299734E+22	2,489522E+22	2,571745E+22	2,571739E+22	2,489514E+22	2,299747E+22	2,010161E+22	1,698363E+22	1,491033E+22	1,491047E+22	1,698404E+22	2,010215E+22
173	2,299767E+22	2,489470E+22	2,571644E+22	2,571623E+22	2,489427E+22	2,299712E+22	2,010154E+22	1,698363E+22	1,491028E+22	1,491025E+22	1,698361E+22	2,010149E+22
174	2,299687E+22	2,489402E+22	2,571635E+22	2,571684E+22	2,489511E+22	2,299786E+22	2,010204E+22	1,698375E+22	1,491012E+22	1,491006E+22	1,698359E+22	2,010189E+22
175	2,299789E+22	2,489535E+22	2,571732E+22	2,571724E+22	2,489492E+22	2,299727E+22	2,010137E+22	1,698316E+22	1,490970E+22	1,490989E+22	1,698368E+22	2,010204E+22
176	2,299776E+22	2,489479E+22	2,571624E+22	2,571601E+22	2,489438E+22	2,299737E+22	2,010163E+22	1,698331E+22	1,490955E+22	1,490940E+22	1,698294E+22	2,010113E+22
177	2,299698E+22	2,489472E+22	2,571722E+22	2,571731E+22	2,489528E+22	2,299787E+22	2,010182E+22	1,698327E+22	1,490946E+22	1,490933E+22	1,698299E+22	2,010164E+22
178	2,299793E+22	2,489541E+22	2,571736E+22	2,571721E+22	2,489488E+22	2,299727E+22	2,010122E+22	1,698279E+22	1,490911E+22	1,490915E+22	1,698284E+22	2,010114E+22
179	2,299703E+22	2,489434E+22	2,571623E+22	2,571658E+22	2,489505E+22	2,299770E+22	2,010163E+22	1,698303E+22	1,490907E+22	1,490888E+22	1,698252E+22	2,010094E+22
180	2,299702E+22	2,489487E+22	2,571731E+22	2,571748E+22	2,489554E+22	2,299786E+22	2,010143E+22	1,698266E+22	1,490883E+22	1,490896E+22	1,698305E+22	2,010191E+22
181	2,299788E+22	2,489495E+22	2,571666E+22	2,571642E+22	2,489446E+22	2,299726E+22	2,010131E+22	1,698271E+22	1,490878E+22	1,490870E+22	1,698252E+22	2,010112E+22
182	2,299710E+22	2,489428E+22	2,571626E+22	2,571657E+22	2,489491E+22	2,299772E+22	2,010175E+22	1,698305E+22	1,490898E+22	1,490876E+22	1,698249E+22	2,010119E+22
183	2,299771E+22	2,489561E+22	2,571766E+22	2,571743E+22	2,489498E+22	2,299716E+22	2,010105E+22	1,698258E+22	1,490891E+22	1,490907E+22	1,698303E+22	2,010165E+22
184	2,299768E+22	2,489506E+22	2,571670E+22	2,571632E+22	2,489440E+22	2,299708E+22	2,010117E+22	1,698282E+22	1,490914E+22	1,490915E+22	1,698283E+22	2,010103E+22
185	2,299670E+22	2,489427E+22	2,571691E+22	2,571727E+22	2,489533E+22	2,299782E+22	2,010169E+22	1,698319E+22	1,490951E+22	1,490951E+22	1,698321E+22	2,010177E+22
186	2,299789E+22	2,489523E+22	2,571719E+22	2,571724E+22	2,489507E+22	2,299745E+22	2,010139E+22	1,698306E+22	1,490959E+22	1,490978E+22	1,698350E+22	2,010171E+22
187	2,299737E+22	2,489439E+22	2,571597E+22	2,571607E+22	2,489462E+22	2,299763E+22	2,010201E+22	1,698383E+22	1,491015E+22	1,490994E+22	1,698328E+22	2,010129E+22
188	2,299703E+22	2,489463E+22	2,571696E+22	2,571698E+22	2,489505E+22	2,299778E+22	2,010204E+22	1,698395E+22	1,491052E+22	1,491049E+22	1,698393E+22	2,010214E+22
189	2,299791E+22	2,489506E+22	2,571684E+22	2,571645E+22	2,489418E+22	2,299704E+22	2,010173E+22	1,698406E+22	1,491082E+22	1,491076E+22	1,698388E+22	2,010148E+22
190	2,299682E+22	2,489389E+22	2,571591E+22	2,571623E+22	2,489456E+22	2,299753E+22	2,010218E+22	1,698444E+22	1,491113E+22	1,491097E+22	1,698399E+22	2,010158E+22
191	2,299712E+22	2,489475E+22	2,571715E+22	2,571722E+22	2,489500E+22	2,299738E+22	2,010165E+22	1,698391E+22	1,491088E+22	1,491112E+22	1,698456E+22	2,010246E+22
192	2,299776E+22	2,489458E+22	2,571624E+22	2,571600E+22	2,489413E+22	2,299714E+22	2,010174E+22	1,698398E+22	1,491078E+22	1,491085E+22	1,698412E+22	2,010174E+22
193	2,299687E+22	2,489379E+22	2,571602E+22	2,571649E+22	2,489482E+22	2,299774E+22	2,010221E+22	1,698427E+22	1,491083E+22	1,491068E+22	1,698394E+22	2,010203E+22
194	2,299798E+22	2,489534E+22	2,571710E+22	2,571689E+22	2,489478E+22	2,299737E+22	2,010163E+22	1,698368E+22	1,491039E+22	1,491049E+22	1,698391E+22	2,010188E+22
195	2,299747E+22	2,489466E+22	2,571631E+22	2,571594E+22	2,489418E+22	2,299728E+22	2,010187E+22	1,698392E+22	1,491037E+22	1,491013E+22	1,698329E+22	2,010110E+22
196	2,299671E+22	2,489429E+22	2,571695E+22	2,571716E+22	2,489508E+22	2,299764E+22	2,010178E+22	1,698365E+22	1,491018E+22	1,491012E+22	1,698357E+22	2,010185E+22
197	2,299779E+22	2,489502E+22	2,571699E+22	2,571695E+22	2,489473E+22	2,299717E+22	2,010132E+22	1,698324E+22	1,490982E+22	1,490990E+22	1,698338E+22	2,010136E+22
198	2,299691E+22	2,489393E+22	2,571573E+22	2,571608E+22	2,489471E+22	2,299766E+22	2,010187E+22	1,698352E+22	1,490976E+22	1,490960E+22	1,698309E+22	2,010125E+22
199	2,299708E+22	2,489470E+22	2,571707E+22	2,571709E+22	2,489510E+22	2,299760E+22	2,010151E+22	1,698310E+22	1,490946E+22	1,490953E+22	1,698338E+22	2,010203E+22
200	2,299800E+22	2,489510E+22	2,571675E+22	2,571624E+22	2,489409E+22	2,299698E+22	2,010135E+22	1,698312E+22	1,490948E+22	1,490946E+22	1,698302E+22	2,010117E+22
201	2,299685E+22	2,489400E+22	2,571619E+22	2,571654E+22	2,489468E+22	2,299742E+22	2,010173E+22	1,698353E+22	1,490985E+22	1,490966E+22	1,698308E+22	2,010135E+22
202	2,299755E+22	2,489533E+22	2,571742E+22	2,571734E+22	2,489514E+22	2,299735E+22	2,010120E+22	1,698301E+22	1,490967E+22	1,490990E+22	1,698358E+22	2,010175E+22
203	2,299741E+22	2,489468E+22	2,571647E+22	2,571615E+22	2,489438E+22	2,299730E+22	2,010158E+22	1,698346E+22	1,490998E+22	1,490996E+22	1,698336E+22	2,010129E+22
204	2,299669E+22	2,489387E+22	2,571643E+22	2,571687E+22	2,489505E+22	2,299778E+22	2,010198E+22	1,698384E+22	1,491038E+22	1,491034E+22	1,698377E+22	2,010203E+22

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	2,299798E+22	2,489510E+22	2,571687E+22	2,571680E+22	2,489469E+22	2,299727E+22	2,010166E+22	1,698385E+22	1,491060E+22	1,491066E+22	1,698396E+22	2,010175E+22
206	2,299718E+22	2,489413E+22	2,571568E+22	2,571562E+22	2,489414E+22	2,299744E+22	2,010226E+22	1,698456E+22	1,491120E+22	1,491097E+22	1,698392E+22	2,010142E+22
207	2,299678E+22	2,489430E+22	2,571684E+22	2,571685E+22	2,489469E+22	2,299742E+22	2,010202E+22	1,698444E+22	1,491137E+22	1,491139E+22	1,698454E+22	2,010230E+22
208	2,299775E+22	2,489481E+22	2,571669E+22	2,571635E+22	2,489403E+22	2,299684E+22	2,010169E+22	1,698438E+22	1,491154E+22	1,491170E+22	1,698468E+22	2,010181E+22
209	2,299664E+22	2,489339E+22	2,571545E+22	2,571591E+22	2,489436E+22	2,299745E+22	2,010226E+22	1,698483E+22	1,491184E+22	1,491177E+22	1,698466E+22	2,010202E+22
210	2,299732E+22	2,489461E+22	2,571669E+22	2,571674E+22	2,489485E+22	2,299754E+22	2,010193E+22	1,698435E+22	1,491146E+22	1,491167E+22	1,698490E+22	2,010256E+22
211	2,299779E+22	2,489462E+22	2,571619E+22	2,571572E+22	2,489382E+22	2,299710E+22	2,010207E+22	1,698461E+22	1,491152E+22	1,491140E+22	1,698430E+22	2,010173E+22
212	2,299688E+22	2,489374E+22	2,571597E+22	2,571629E+22	2,489442E+22	2,299742E+22	2,010225E+22	1,698475E+22	1,491158E+22	1,491136E+22	1,698424E+22	2,010194E+22
213	2,299777E+22	2,489520E+22	2,571709E+22	2,571690E+22	2,489461E+22	2,299713E+22	2,010168E+22	1,698421E+22	1,491120E+22	1,491124E+22	1,698430E+22	2,010175E+22
214	2,299699E+22	2,489415E+22	2,571602E+22	2,571585E+22	2,489415E+22	2,299732E+22	2,010204E+22	1,698436E+22	1,491110E+22	1,491095E+22	1,698392E+22	2,010131E+22
215	2,299641E+22	2,489374E+22	2,571656E+22	2,571694E+22	2,489491E+22	2,299762E+22	2,010194E+22	1,698401E+22	1,491073E+22	1,491074E+22	1,698407E+22	2,010210E+22
216	2,299779E+22	2,489480E+22	2,571668E+22	2,571664E+22	2,489448E+22	2,299713E+22	2,010153E+22	1,698364E+22	1,491043E+22	1,491060E+22	1,698395E+22	2,010162E+22
217	2,299691E+22	2,489370E+22	2,571535E+22	2,571563E+22	2,489430E+22	2,299746E+22	2,010199E+22	1,698404E+22	1,491055E+22	1,491036E+22	1,698359E+22	2,010148E+22
218	2,299721E+22	2,489474E+22	2,571684E+22	2,571670E+22	2,489481E+22	2,299754E+22	2,010166E+22	1,698359E+22	1,491022E+22	1,491028E+22	1,698379E+22	2,010201E+22
219	2,299782E+22	2,489504E+22	2,571685E+22	2,571626E+22	2,489391E+22	2,299682E+22	2,010148E+22	1,698367E+22	1,491033E+22	1,491028E+22	1,698353E+22	2,010133E+22
220	2,299675E+22	2,489366E+22	2,571593E+22	2,571643E+22	2,489453E+22	2,299722E+22	2,010168E+22	1,698390E+22	1,491061E+22	1,491052E+22	1,698373E+22	2,010163E+22
221	2,299749E+22	2,489501E+22	2,571706E+22	2,571710E+22	2,489501E+22	2,299736E+22	2,010146E+22	1,698358E+22	1,491045E+22	1,491068E+22	1,698413E+22	2,010194E+22
222	2,299729E+22	2,489432E+22	2,571604E+22	2,571576E+22	2,489409E+22	2,299734E+22	2,010197E+22	1,698413E+22	1,491083E+22	1,491078E+22	1,698393E+22	2,010149E+22
223	2,299661E+22	2,489365E+22	2,571615E+22	2,571645E+22	2,489456E+22	2,299756E+22	2,010220E+22	1,698447E+22	1,491123E+22	1,491110E+22	1,698417E+22	2,010205E+22
224	2,299786E+22	2,489505E+22	2,571684E+22	2,571660E+22	2,489431E+22	2,299703E+22	2,010178E+22	1,698440E+22	1,491153E+22	1,491165E+22	1,698459E+22	2,010178E+22
225	2,299684E+22	2,489372E+22	2,571542E+22	2,571545E+22	2,489385E+22	2,299715E+22	2,010227E+22	1,698511E+22	1,491218E+22	1,491201E+22	1,698465E+22	2,010167E+22
226	2,299665E+22	2,489396E+22	2,571639E+22	2,571656E+22	2,489467E+22	2,299751E+22	2,010217E+22	1,698489E+22	1,491216E+22	1,491225E+22	1,698516E+22	2,010251E+22
227	2,299761E+22	2,489453E+22	2,571644E+22	2,571614E+22	2,489389E+22	2,299691E+22	2,010201E+22	1,698495E+22	1,491230E+22	1,491242E+22	1,698519E+22	2,010216E+22
228	2,299679E+22	2,489317E+22	2,571505E+22	2,571555E+22	2,489402E+22	2,299727E+22	2,010240E+22	1,698533E+22	1,491255E+22	1,491245E+22	1,698511E+22	2,010225E+22
229	2,299746E+22	2,489465E+22	2,571656E+22	2,571645E+22	2,489449E+22	2,299738E+22	2,010217E+22	1,698499E+22	1,491226E+22	1,491234E+22	1,698521E+22	2,010249E+22
230	2,299756E+22	2,489448E+22	2,571613E+22	2,571557E+22	2,489352E+22	2,299697E+22	2,010229E+22	1,698519E+22	1,491234E+22	1,491220E+22	1,698477E+22	2,010169E+22
231	2,299650E+22	2,489343E+22	2,571591E+22	2,571630E+22	2,489425E+22	2,299720E+22	2,010226E+22	1,698514E+22	1,491227E+22	1,491208E+22	1,698471E+22	2,010196E+22
232	2,299746E+22	2,489485E+22	2,571688E+22	2,571687E+22	2,489463E+22	2,299711E+22	2,010171E+22	1,698446E+22	1,491181E+22	1,491206E+22	1,698497E+22	2,010198E+22
233	2,299675E+22	2,489357E+22	2,571540E+22	2,571547E+22	2,489395E+22	2,299731E+22	2,010221E+22	1,698477E+22	1,491175E+22	1,491168E+22	1,698455E+22	2,010174E+22
234	2,299661E+22	2,489357E+22	2,571595E+22	2,571635E+22	2,489466E+22	2,299769E+22	2,010222E+22	1,698449E+22	1,491133E+22	1,491130E+22	1,698444E+22	2,010226E+22
235	2,299785E+22	2,489485E+22	2,571656E+22	2,571627E+22	2,489402E+22	2,299694E+22	2,010177E+22	1,698425E+22	1,491117E+22	1,491119E+22	1,698425E+22	2,010175E+22
236	2,299698E+22	2,489369E+22	2,571527E+22	2,571543E+22	2,489385E+22	2,299703E+22	2,010192E+22	1,698444E+22	1,491129E+22	1,491112E+22	1,698404E+22	2,010155E+22
237	2,299711E+22	2,489470E+22	2,571687E+22	2,571671E+22	2,489460E+22	2,299725E+22	2,010167E+22	1,698404E+22	1,491097E+22	1,491105E+22	1,698426E+22	2,010199E+22
238	2,299744E+22	2,489463E+22	2,571660E+22	2,571621E+22	2,489390E+22	2,299688E+22	2,010167E+22	1,698412E+22	1,491106E+22	1,491110E+22	1,698415E+22	2,010153E+22
239	2,299650E+22	2,489325E+22	2,571562E+22	2,571624E+22	2,489440E+22	2,299726E+22	2,010194E+22	1,698437E+22	1,491126E+22	1,491118E+22	1,698419E+22	2,010180E+22
240	2,299743E+22	2,489480E+22	2,571676E+22	2,571683E+22	2,489481E+22	2,299737E+22	2,010176E+22	1,698415E+22	1,491126E+22	1,491151E+22	1,698467E+22	2,010207E+22

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	2,299713E+22	2,489400E+22	2,571560E+22	2,571532E+22	2,489368E+22	2,299720E+22	2,010227E+22	1,698489E+22	1,491186E+22	1,491174E+22	1,698452E+22	2,010167E+22
242	2,299657E+22	2,489352E+22	2,571578E+22	2,571603E+22	2,489423E+22	2,299746E+22	2,010244E+22	1,698515E+22	1,491222E+22	1,491206E+22	1,698475E+22	2,010207E+22
243	2,299753E+22	2,489479E+22	2,571674E+22	2,571652E+22	2,489406E+22	2,299681E+22	2,010193E+22	1,698505E+22	1,491253E+22	1,491264E+22	1,698528E+22	2,010209E+22
244	2,299674E+22	2,489331E+22	2,571501E+22	2,571520E+22	2,489361E+22	2,299690E+22	2,010221E+22	1,698548E+22	1,491299E+22	1,491297E+22	1,698543E+22	2,010210E+22
245	2,299674E+22	2,489378E+22	2,571603E+22	2,571621E+22	2,489435E+22	2,299739E+22	2,010237E+22	1,698541E+22	1,491289E+22	1,491301E+22	1,698572E+22	2,010276E+22
246	2,299761E+22	2,489436E+22	2,571614E+22	2,571582E+22	2,489360E+22	2,299686E+22	2,010230E+22	1,698554E+22	1,491305E+22	1,491312E+22	1,698565E+22	2,010232E+22
247	2,299675E+22	2,489316E+22	2,571502E+22	2,571533E+22	2,489366E+22	2,299703E+22	2,010252E+22	1,698583E+22	1,491324E+22	1,491305E+22	1,698538E+22	2,010218E+22
248	2,299726E+22	2,489461E+22	2,571666E+22	2,571649E+22	2,489434E+22	2,299721E+22	2,010225E+22	1,698541E+22	1,491301E+22	1,491316E+22	1,698568E+22	2,010240E+22
249	2,299711E+22	2,489400E+22	2,571586E+22	2,571555E+22	2,489348E+22	2,299690E+22	2,010241E+22	1,698567E+22	1,491313E+22	1,491305E+22	1,698537E+22	2,010187E+22
250	2,299629E+22	2,489299E+22	2,571531E+22	2,571597E+22	2,489431E+22	2,299741E+22	2,010252E+22	1,698556E+22	1,491290E+22	1,491277E+22	1,698523E+22	2,010213E+22
251	2,299724E+22	2,489448E+22	2,571650E+22	2,571659E+22	2,489447E+22	2,299720E+22	2,010207E+22	1,698503E+22	1,491248E+22	1,491265E+22	1,698543E+22	2,010236E+22
252	2,299692E+22	2,489336E+22	2,571491E+22	2,571496E+22	2,489349E+22	2,299701E+22	2,010228E+22	1,698522E+22	1,491242E+22	1,491232E+22	1,698499E+22	2,010201E+22
253	2,299680E+22	2,489369E+22	2,571579E+22	2,571591E+22	2,489408E+22	2,299734E+22	2,010237E+22	1,698505E+22	1,491206E+22	1,491196E+22	1,698479E+22	2,010227E+22
254	2,299770E+22	2,489480E+22	2,571657E+22	2,571616E+22	2,489367E+22	2,299665E+22	2,010184E+22	1,698473E+22	1,491193E+22	1,491197E+22	1,698475E+22	2,010180E+22
255	2,299669E+22	2,489351E+22	2,571530E+22	2,571547E+22	2,489367E+22	2,299673E+22	2,010182E+22	1,698473E+22	1,491190E+22	1,491180E+22	1,698452E+22	2,010164E+22
256	2,299687E+22	2,489442E+22	2,571673E+22	2,571674E+22	2,489467E+22	2,299729E+22	2,010173E+22	1,698429E+22	1,491159E+22	1,491185E+22	1,698487E+22	2,010219E+22
257	2,299721E+22	2,489414E+22	2,571609E+22	2,571591E+22	2,489379E+22	2,299697E+22	2,010198E+22	1,698466E+22	1,491180E+22	1,491186E+22	1,698471E+22	2,010183E+22
258	2,299657E+22	2,489307E+22	2,571503E+22	2,571571E+22	2,489420E+22	2,299736E+22	2,010235E+22	1,698507E+22	1,491209E+22	1,491189E+22	1,698458E+22	2,010183E+22
259	2,299725E+22	2,489468E+22	2,571661E+22	2,571654E+22	2,489444E+22	2,299723E+22	2,010211E+22	1,698496E+22	1,491227E+22	1,491233E+22	1,698510E+22	2,010218E+22
260	2,299701E+22	2,489374E+22	2,571534E+22	2,571505E+22	2,489325E+22	2,299677E+22	2,010227E+22	1,698549E+22	1,491288E+22	1,491279E+22	1,698520E+22	2,010184E+22
261	2,299641E+22	2,489330E+22	2,571559E+22	2,571583E+22	2,489391E+22	2,299717E+22	2,010254E+22	1,698574E+22	1,491315E+22	1,491306E+22	1,698547E+22	2,010227E+22
262	2,299724E+22	2,489435E+22	2,571639E+22	2,571629E+22	2,489391E+22	2,299680E+22	2,010213E+22	1,698556E+22	1,491336E+22	1,491358E+22	1,698605E+22	2,010246E+22
263	2,299665E+22	2,489306E+22	2,571475E+22	2,571492E+22	2,489336E+22	2,299679E+22	2,010237E+22	1,698592E+22	1,491365E+22	1,491365E+22	1,698594E+22	2,010239E+22
264	2,299685E+22	2,489376E+22	2,571588E+22	2,571601E+22	2,489417E+22	2,299732E+22	2,010253E+22	1,698587E+22	1,491363E+22	1,491378E+22	1,698618E+22	2,010287E+22
265	2,299751E+22	2,489417E+22	2,571587E+22	2,571554E+22	2,489335E+22	2,299678E+22	2,010256E+22	1,698617E+22	1,491393E+22	1,491393E+22	1,698611E+22	2,010242E+22
266	2,299667E+22	2,489307E+22	2,571479E+22	2,571515E+22	2,489356E+22	2,299700E+22	2,010276E+22	1,698642E+22	1,491407E+22	1,491382E+22	1,698581E+22	2,010211E+22
267	2,299682E+22	2,489425E+22	2,571654E+22	2,571649E+22	2,489427E+22	2,299714E+22	2,010244E+22	1,698598E+22	1,491382E+22	1,491390E+22	1,698620E+22	2,010264E+22
268	2,299692E+22	2,489346E+22	2,571531E+22	2,571521E+22	2,489330E+22	2,299677E+22	2,010245E+22	1,698604E+22	1,491382E+22	1,491383E+22	1,698602E+22	2,010225E+22
269	2,299636E+22	2,489280E+22	2,571486E+22	2,571541E+22	2,489384E+22	2,299726E+22	2,010277E+22	1,698606E+22	1,491351E+22	1,491338E+22	1,698568E+22	2,010236E+22
270	2,299723E+22	2,489431E+22	2,571613E+22	2,571608E+22	2,489401E+22	2,299700E+22	2,010227E+22	1,698555E+22	1,491316E+22	1,491326E+22	1,698582E+22	2,010250E+22
271	2,299691E+22	2,489345E+22	2,571495E+22	2,571469E+22	2,489302E+22	2,299660E+22	2,010221E+22	1,698557E+22	1,491301E+22	1,491287E+22	1,698525E+22	2,010198E+22
272	2,299669E+22	2,489374E+22	2,571599E+22	2,571601E+22	2,489392E+22	2,299701E+22	2,010221E+22	1,698529E+22	1,491272E+22	1,491272E+22	1,698523E+22	2,010222E+22
273	2,299732E+22	2,489440E+22	2,571638E+22	2,571621E+22	2,489373E+22	2,299660E+22	2,010190E+22	1,698511E+22	1,491263E+22	1,491273E+22	1,698531E+22	2,010200E+22
274	2,299652E+22	2,489315E+22	2,571486E+22	2,571530E+22	2,489384E+22	2,299697E+22	2,010211E+22	1,698519E+22	1,491254E+22	1,491245E+22	1,698497E+22	2,010176E+22
275	2,299659E+22	2,489402E+22	2,571641E+22	2,571655E+22	2,489461E+22	2,299745E+22	2,010220E+22	1,698500E+22	1,491237E+22	1,491248E+22	1,698529E+22	2,010246E+22
276	2,299722E+22	2,489382E+22	2,571556E+22	2,571541E+22	2,489346E+22	2,299683E+22	2,010223E+22	1,698533E+22	1,491273E+22	1,491272E+22	1,698525E+22	2,010204E+22

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	2,299660E+22	2,489305E+22	2,571478E+22	2,571515E+22	2,489360E+22	2,299711E+22	2,010267E+22	1,698584E+22	1,491310E+22	1,491284E+22	1,698513E+22	2,010189E+22
278	2,299696E+22	2,489438E+22	2,571641E+22	2,571629E+22	2,489406E+22	2,299695E+22	2,010225E+22	1,698564E+22	1,491332E+22	1,491341E+22	1,698585E+22	2,010239E+22
279	2,299675E+22	2,489346E+22	2,571520E+22	2,571490E+22	2,489298E+22	2,299641E+22	2,010215E+22	1,698587E+22	1,491370E+22	1,491372E+22	1,698593E+22	2,010220E+22
280	2,299634E+22	2,489304E+22	2,571535E+22	2,571569E+22	2,489381E+22	2,299705E+22	2,010252E+22	1,698604E+22	1,491389E+22	1,491400E+22	1,698622E+22	2,010267E+22
281	2,299723E+22	2,489401E+22	2,571593E+22	2,571592E+22	2,489370E+22	2,299679E+22	2,010241E+22	1,698612E+22	1,491411E+22	1,491434E+22	1,698663E+22	2,010284E+22
282	2,299686E+22	2,489305E+22	2,571440E+22	2,571450E+22	2,489315E+22	2,299681E+22	2,010270E+22	1,698655E+22	1,491442E+22	1,491428E+22	1,698624E+22	2,010236E+22
283	2,299668E+22	2,489373E+22	2,571594E+22	2,571593E+22	2,489396E+22	2,299724E+22	2,010286E+22	1,698660E+22	1,491452E+22	1,491445E+22	1,698648E+22	2,010288E+22
284	2,299731E+22	2,489391E+22	2,571570E+22	2,571542E+22	2,489315E+22	2,299651E+22	2,010258E+22	1,698669E+22	1,491481E+22	1,491481E+22	1,698663E+22	2,010244E+22
285	2,299638E+22	2,489275E+22	2,571453E+22	2,571489E+22	2,489333E+22	2,299691E+22	2,010297E+22	1,698696E+22	1,491486E+22	1,491465E+22	1,698638E+22	2,010222E+22
286	2,299643E+22	2,489365E+22	2,571608E+22	2,571619E+22	2,489416E+22	2,299720E+22	2,010271E+22	1,698649E+22	1,491455E+22	1,491468E+22	1,698680E+22	2,010292E+22
287	2,299681E+22	2,489316E+22	2,571496E+22	2,571478E+22	2,489292E+22	2,299655E+22	2,010253E+22	1,698643E+22	1,491439E+22	1,491441E+22	1,698644E+22	2,010252E+22
288	2,299648E+22	2,489278E+22	2,571470E+22	2,571509E+22	2,489350E+22	2,299701E+22	2,010276E+22	1,698641E+22	1,491417E+22	1,491407E+22	1,698609E+22	2,010248E+22
289	2,299719E+22	2,489420E+22	2,571598E+22	2,571577E+22	2,489364E+22	2,299676E+22	2,010236E+22	1,698602E+22	1,491388E+22	1,491397E+22	1,698625E+22	2,010261E+22
290	2,299686E+22	2,489339E+22	2,571488E+22	2,571463E+22	2,489295E+22	2,299645E+22	2,010225E+22	1,698596E+22	1,491367E+22	1,491352E+22	1,698563E+22	2,010195E+22
291	2,299634E+22	2,489344E+22	2,571597E+22	2,571616E+22	2,489405E+22	2,299702E+22	2,010231E+22	1,698571E+22	1,491338E+22	1,491334E+22	1,698569E+22	2,010248E+22
292	2,299718E+22	2,489391E+22	2,571588E+22	2,571595E+22	2,489371E+22	2,299662E+22	2,010202E+22	1,698549E+22	1,491329E+22	1,491346E+22	1,698587E+22	2,010231E+22
293	2,299657E+22	2,489295E+22	2,571446E+22	2,571476E+22	2,489346E+22	2,299699E+22	2,010256E+22	1,698585E+22	1,491328E+22	1,491314E+22	1,698542E+22	2,010192E+22
294	2,299647E+22	2,489371E+22	2,571604E+22	2,571608E+22	2,489422E+22	2,299735E+22	2,010256E+22	1,698576E+22	1,491331E+22	1,491330E+22	1,698575E+22	2,010252E+22
295	2,299706E+22	2,489374E+22	2,571549E+22	2,571506E+22	2,489295E+22	2,299645E+22	2,010227E+22	1,698590E+22	1,491362E+22	1,491359E+22	1,698576E+22	2,010212E+22
296	2,299644E+22	2,489293E+22	2,571480E+22	2,571507E+22	2,489334E+22	2,299675E+22	2,010254E+22	1,698625E+22	1,491402E+22	1,491389E+22	1,698582E+22	2,010204E+22
297	2,299668E+22	2,489391E+22	2,571603E+22	2,571606E+22	2,489394E+22	2,299686E+22	2,010235E+22	1,698613E+22	1,491419E+22	1,491438E+22	1,698662E+22	2,010280E+22
298	2,299677E+22	2,489316E+22	2,571479E+22	2,571466E+22	2,489298E+22	2,299649E+22	2,010239E+22	1,698637E+22	1,491443E+22	1,491448E+22	1,698649E+22	2,010246E+22
299	2,299631E+22	2,489284E+22	2,571516E+22	2,571551E+22	2,489368E+22	2,299706E+22	2,010285E+22	1,698670E+22	1,491468E+22	1,491463E+22	1,698664E+22	2,010297E+22
300	2,299732E+22	2,489383E+22	2,571557E+22	2,571551E+22	2,489341E+22	2,299665E+22	2,010261E+22	1,698676E+22	1,491502E+22	1,491517E+22	1,698709E+22	2,010295E+22
301	2,299685E+22	2,489310E+22	2,571438E+22	2,571415E+22	2,489267E+22	2,299665E+22	2,010305E+22	1,698728E+22	1,491535E+22	1,491514E+22	1,698669E+22	2,010228E+22
302	2,299624E+22	2,489329E+22	2,571579E+22	2,571582E+22	2,489374E+22	2,299706E+22	2,010305E+22	1,698726E+22	1,491551E+22	1,491543E+22	1,698708E+22	2,010288E+22
303	2,299689E+22	2,489349E+22	2,571545E+22	2,571524E+22	2,489300E+22	2,299633E+22	2,010254E+22	1,698706E+22	1,491555E+22	1,491565E+22	1,698727E+22	2,010271E+22
304	2,299625E+22	2,489239E+22	2,571418E+22	2,571458E+22	2,489316E+22	2,299682E+22	2,010295E+22	1,698724E+22	1,491553E+22	1,491546E+22	1,698700E+22	2,010254E+22
305	2,299642E+22	2,489325E+22	2,571550E+22	2,571564E+22	2,489381E+22	2,299713E+22	2,010293E+22	1,698698E+22	1,491521E+22	1,491532E+22	1,698729E+22	2,010326E+22
306	2,299703E+22	2,489314E+22	2,571467E+22	2,571440E+22	2,489262E+22	2,299638E+22	2,010266E+22	1,698689E+22	1,491502E+22	1,491493E+22	1,698669E+22	2,010252E+22
307	2,299640E+22	2,489279E+22	2,571485E+22	2,571509E+22	2,489327E+22	2,299678E+22	2,010283E+22	1,698688E+22	1,491484E+22	1,491462E+22	1,698639E+22	2,010255E+22
308	2,299705E+22	2,489396E+22	2,571586E+22	2,571572E+22	2,489353E+22	2,299654E+22	2,010230E+22	1,698636E+22	1,491457E+22	1,491472E+22	1,698674E+22	2,010270E+22
309	2,299669E+22	2,489319E+22	2,571476E+22	2,571445E+22	2,489283E+22	2,299652E+22	2,010251E+22	1,698639E+22	1,491430E+22	1,491421E+22	1,698611E+22	2,010205E+22
310	2,299601E+22	2,489290E+22	2,571558E+22	2,571594E+22	2,489403E+22	2,299721E+22	2,010269E+22	1,698628E+22	1,491410E+22	1,491404E+22	1,698616E+22	2,010261E+22
311	2,299707E+22	2,489367E+22	2,571555E+22	2,571555E+22	2,489344E+22	2,299654E+22	2,010222E+22	1,698601E+22	1,491399E+22	1,491411E+22	1,698628E+22	2,010249E+22
312	2,299661E+22	2,489286E+22	2,571426E+22	2,571438E+22	2,489309E+22	2,299679E+22	2,010265E+22	1,698640E+22	1,491419E+22	1,491403E+22	1,698592E+22	2,010202E+22

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	2,299634E+22	2,489344E+22	2,571575E+22	2,571568E+22	2,489379E+22	2,299713E+22	2,010276E+22	1,698643E+22	1,491428E+22	1,491427E+22	1,698639E+22	2,010272E+22
314	2,299697E+22	2,489350E+22	2,571528E+22	2,571491E+22	2,489274E+22	2,299618E+22	2,010230E+22	1,698642E+22	1,491451E+22	1,491451E+22	1,698639E+22	2,010227E+22
315	2,299619E+22	2,489259E+22	2,571468E+22	2,571507E+22	2,489331E+22	2,299667E+22	2,010260E+22	1,698671E+22	1,491481E+22	1,491472E+22	1,698652E+22	2,010250E+22
316	2,299671E+22	2,489353E+22	2,571555E+22	2,571566E+22	2,489373E+22	2,299677E+22	2,010244E+22	1,698656E+22	1,491494E+22	1,491523E+22	1,698727E+22	2,010317E+22
317	2,299694E+22	2,489312E+22	2,571452E+22	2,571413E+22	2,489252E+22	2,299645E+22	2,010278E+22	1,698702E+22	1,491522E+22	1,491520E+22	1,698691E+22	2,010256E+22
318	2,299621E+22	2,489266E+22	2,571498E+22	2,571523E+22	2,489340E+22	2,299699E+22	2,010317E+22	1,698745E+22	1,491564E+22	1,491545E+22	1,698701E+22	2,010286E+22
319	2,299709E+22	2,489377E+22	2,571558E+22	2,571533E+22	2,489307E+22	2,299636E+22	2,010266E+22	1,698731E+22	1,491591E+22	1,491602E+22	1,698754E+22	2,010291E+22
320	2,299654E+22	2,489282E+22	2,571435E+22	2,571417E+22	2,489257E+22	2,299646E+22	2,010301E+22	1,698774E+22	1,491628E+22	1,491616E+22	1,698733E+22	2,010237E+22
321	2,299583E+22	2,489262E+22	2,571526E+22	2,571555E+22	2,489367E+22	2,299713E+22	2,010327E+22	1,698778E+22	1,491632E+22	1,491633E+22	1,698780E+22	2,010322E+22
322	2,299680E+22	2,489302E+22	2,571490E+22	2,571490E+22	2,489288E+22	2,299638E+22	2,010280E+22	1,698754E+22	1,491622E+22	1,491633E+22	1,698778E+22	2,010296E+22
323	2,299625E+22	2,489217E+22	2,571390E+22	2,571430E+22	2,489293E+22	2,299677E+22	2,010318E+22	1,698777E+22	1,491618E+22	1,491602E+22	1,698742E+22	2,010288E+22
324	2,299660E+22	2,489316E+22	2,571513E+22	2,571512E+22	2,489336E+22	2,299688E+22	2,010300E+22	1,698745E+22	1,491594E+22	1,491603E+22	1,698772E+22	2,010340E+22
325	2,299714E+22	2,489330E+22	2,571474E+22	2,571411E+22	2,489212E+22	2,299615E+22	2,010285E+22	1,698739E+22	1,491572E+22	1,491562E+22	1,698708E+22	2,010249E+22
326	2,299611E+22	2,489251E+22	2,571482E+22	2,571516E+22	2,489319E+22	2,299663E+22	2,010289E+22	1,698732E+22	1,491558E+22	1,491537E+22	1,698686E+22	2,010254E+22
327	2,299677E+22	2,489368E+22	2,571568E+22	2,571563E+22	2,489349E+22	2,299648E+22	2,010227E+22	1,698661E+22	1,491513E+22	1,491538E+22	1,698724E+22	2,010291E+22
328	2,299661E+22	2,489293E+22	2,571452E+22	2,571425E+22	2,489272E+22	2,299655E+22	2,010260E+22	1,698673E+22	1,491494E+22	1,491491E+22	1,698659E+22	2,010225E+22
329	2,299596E+22	2,489250E+22	2,571501E+22	2,571540E+22	2,489370E+22	2,299723E+22	2,010306E+22	1,698691E+22	1,491486E+22	1,491474E+22	1,698660E+22	2,010277E+22
330	2,299710E+22	2,489353E+22	2,571528E+22	2,571522E+22	2,489311E+22	2,299640E+22	2,010244E+22	1,698663E+22	1,491482E+22	1,491482E+22	1,698662E+22	2,010245E+22
331	2,299643E+22	2,489275E+22	2,571431E+22	2,571434E+22	2,489279E+22	2,299651E+22	2,010272E+22	1,698696E+22	1,491504E+22	1,491482E+22	1,698644E+22	2,010217E+22
332	2,299615E+22	2,489306E+22	2,571541E+22	2,571543E+22	2,489352E+22	2,299685E+22	2,010271E+22	1,698688E+22	1,491517E+22	1,491526E+22	1,698711E+22	2,010297E+22
333	2,299688E+22	2,489327E+22	2,571505E+22	2,571462E+22	2,489249E+22	2,299618E+22	2,010253E+22	1,698689E+22	1,491527E+22	1,491538E+22	1,698706E+22	2,010253E+22
334	2,299601E+22	2,489214E+22	2,571431E+22	2,571484E+22	2,489316E+22	2,299670E+22	2,010290E+22	1,698730E+22	1,491563E+22	1,491554E+22	1,698707E+22	2,010268E+22
335	2,299671E+22	2,489342E+22	2,571528E+22	2,571529E+22	2,489342E+22	2,299666E+22	2,010262E+22	1,698710E+22	1,491574E+22	1,491598E+22	1,698774E+22	2,010333E+22
336	2,299698E+22	2,489313E+22	2,571448E+22	2,571391E+22	2,489221E+22	2,299629E+22	2,010289E+22	1,698761E+22	1,491619E+22	1,491612E+22	1,698739E+22	2,010256E+22
337	2,299597E+22	2,489233E+22	2,571471E+22	2,571497E+22	2,489311E+22	2,299690E+22	2,010345E+22	1,698817E+22	1,491666E+22	1,491645E+22	1,698763E+22	2,010293E+22
338	2,299680E+22	2,489334E+22	2,571532E+22	2,571532E+22	2,489302E+22	2,299626E+22	2,010278E+22	1,698787E+22	1,491680E+22	1,491693E+22	1,698815E+22	2,010304E+22
339	2,299622E+22	2,489233E+22	2,571404E+22	2,571408E+22	2,489254E+22	2,299648E+22	2,010317E+22	1,698821E+22	1,491702E+22	1,491695E+22	1,698804E+22	2,010284E+22
340	2,299585E+22	2,489215E+22	2,571455E+22	2,571495E+22	2,489331E+22	2,299706E+22	2,010347E+22	1,698826E+22	1,491704E+22	1,491712E+22	1,698843E+22	2,010362E+22
341	2,299704E+22	2,489303E+22	2,571458E+22	2,571426E+22	2,489227E+22	2,299625E+22	2,010314E+22	1,698811E+22	1,491691E+22	1,491697E+22	1,698818E+22	2,010310E+22
342	2,299624E+22	2,489213E+22	2,571381E+22	2,571405E+22	2,489254E+22	2,299653E+22	2,010333E+22	1,698833E+22	1,491696E+22	1,491671E+22	1,698773E+22	2,010279E+22
343	2,299650E+22	2,489327E+22	2,571524E+22	2,571503E+22	2,489302E+22	2,299651E+22	2,010287E+22	1,698776E+22	1,491659E+22	1,491670E+22	1,698810E+22	2,010338E+22
344	2,299693E+22	2,489317E+22	2,571482E+22	2,571427E+22	2,489212E+22	2,299599E+22	2,010272E+22	1,698765E+22	1,491640E+22	1,491637E+22	1,698755E+22	2,010253E+22
345	2,299579E+22	2,489201E+22	2,571443E+22	2,571503E+22	2,489324E+22	2,299681E+22	2,010317E+22	1,698776E+22	1,491620E+22	1,491605E+22	1,698737E+22	2,010274E+22
346	2,299663E+22	2,489325E+22	2,571526E+22	2,571546E+22	2,489344E+22	2,299658E+22	2,010258E+22	1,698710E+22	1,491572E+22	1,491592E+22	1,698757E+22	2,010300E+22
347	2,299650E+22	2,489267E+22	2,571424E+22	2,571404E+22	2,489253E+22	2,299656E+22	2,010292E+22	1,698733E+22	1,491563E+22	1,491551E+22	1,698702E+22	2,010248E+22
348	2,299596E+22	2,489228E+22	2,571454E+22	2,571485E+22	2,489320E+22	2,299701E+22	2,010322E+22	1,698750E+22	1,491574E+22	1,491560E+22	1,698713E+22	2,010288E+22

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	2,299703E+22	2,489348E+22	2,571516E+22	2,571481E+22	2,489253E+22	2,299613E+22	2,010264E+22	1,698722E+22	1,491569E+22	1,491573E+22	1,698721E+22	2,010252E+22
350	2,299611E+22	2,489236E+22	2,571411E+22	2,571429E+22	2,489264E+22	2,299630E+22	2,010273E+22	1,698744E+22	1,491592E+22	1,491578E+22	1,698710E+22	2,010234E+22
351	2,299603E+22	2,489284E+22	2,571509E+22	2,571517E+22	2,489330E+22	2,299667E+22	2,010264E+22	1,698715E+22	1,491584E+22	1,491607E+22	1,698778E+22	2,010336E+22
352	2,299697E+22	2,489312E+22	2,571480E+22	2,571438E+22	2,489227E+22	2,299608E+22	2,010260E+22	1,698730E+22	1,491601E+22	1,491615E+22	1,698760E+22	2,010280E+22
353	2,299605E+22	2,489193E+22	2,571392E+22	2,571442E+22	2,489285E+22	2,299670E+22	2,010327E+22	1,698798E+22	1,491647E+22	1,491629E+22	1,698753E+22	2,010280E+22
354	2,299666E+22	2,489329E+22	2,571516E+22	2,571515E+22	2,489315E+22	2,299654E+22	2,010288E+22	1,698777E+22	1,491663E+22	1,491675E+22	1,698808E+22	2,010322E+22
355	2,299667E+22	2,489293E+22	2,571452E+22	2,571402E+22	2,489210E+22	2,299619E+22	2,010310E+22	1,698825E+22	1,491710E+22	1,491700E+22	1,698798E+22	2,010268E+22
356	2,299566E+22	2,489183E+22	2,571420E+22	2,571467E+22	2,489294E+22	2,299681E+22	2,010360E+22	1,698874E+22	1,491762E+22	1,491749E+22	1,698838E+22	2,010317E+22
357	2,299660E+22	2,489298E+22	2,571490E+22	2,571486E+22	2,489272E+22	2,299634E+22	2,010316E+22	1,698846E+22	1,491762E+22	1,491780E+22	1,698883E+22	2,010333E+22
358	2,299609E+22	2,489189E+22	2,571357E+22	2,571374E+22	2,489228E+22	2,299642E+22	2,010347E+22	1,698884E+22	1,491785E+22	1,491775E+22	1,698856E+22	2,010306E+22
359	2,299596E+22	2,489215E+22	2,571423E+22	2,571445E+22	2,489280E+22	2,299675E+22	2,010352E+22	1,698873E+22	1,491777E+22	1,491782E+22	1,698889E+22	2,010383E+22
360	2,299717E+22	2,489319E+22	2,571464E+22	2,571407E+22	2,489187E+22	2,299591E+22	2,010308E+22	1,698854E+22	1,491770E+22	1,491773E+22	1,698861E+22	2,010313E+22
361	2,299607E+22	2,489198E+22	2,571372E+22	2,571394E+22	2,489228E+22	2,299633E+22	2,010343E+22	1,698880E+22	1,491770E+22	1,491747E+22	1,698823E+22	2,010284E+22
362	2,299622E+22	2,489294E+22	2,571515E+22	2,571522E+22	2,489311E+22	2,299644E+22	2,010290E+22	1,698808E+22	1,491719E+22	1,491735E+22	1,698853E+22	2,010345E+22
363	2,299665E+22	2,489279E+22	2,571462E+22	2,571435E+22	2,489225E+22	2,299612E+22	2,010288E+22	1,698797E+22	1,491688E+22	1,491692E+22	1,698806E+22	2,010284E+22
364	2,299572E+22	2,489156E+22	2,571372E+22	2,571447E+22	2,489296E+22	2,299685E+22	2,010346E+22	1,698825E+22	1,491685E+22	1,491669E+22	1,698784E+22	2,010295E+22
365	2,299665E+22	2,489316E+22	2,571491E+22	2,571488E+22	2,489295E+22	2,299655E+22	2,010299E+22	1,698773E+22	1,491645E+22	1,491654E+22	1,698792E+22	2,010302E+22
366	2,299633E+22	2,489247E+22	2,571404E+22	2,571379E+22	2,489214E+22	2,299630E+22	2,010309E+22	1,698796E+22	1,491652E+22	1,491632E+22	1,698742E+22	2,010242E+22
367	2,299580E+22	2,489223E+22	2,571441E+22	2,571461E+22	2,489276E+22	2,299658E+22	2,010312E+22	1,698788E+22	1,491652E+22	1,491646E+22	1,698774E+22	2,010304E+22
368	2,299686E+22	2,489330E+22	2,571506E+22	2,571476E+22	2,489238E+22	2,299588E+22	2,010251E+22	1,698754E+22	1,491647E+22	1,491661E+22	1,698788E+22	2,010277E+22
369	2,299593E+22	2,489195E+22	2,571367E+22	2,571402E+22	2,489254E+22	2,299637E+22	2,010297E+22	1,698790E+22	1,491662E+22	1,491656E+22	1,698774E+22	2,010268E+22
370	2,299602E+22	2,489255E+22	2,571478E+22	2,571503E+22	2,489318E+22	2,299666E+22	2,010290E+22	1,698768E+22	1,491652E+22	1,491670E+22	1,698818E+22	2,010352E+22
371	2,299697E+22	2,489303E+22	2,571465E+22	2,571429E+22	2,489215E+22	2,299609E+22	2,010291E+22	1,698794E+22	1,491678E+22	1,491684E+22	1,698807E+22	2,010297E+22
372	2,299599E+22	2,489177E+22	2,571356E+22	2,571399E+22	2,489245E+22	2,299657E+22	2,010358E+22	1,698873E+22	1,491750E+22	1,491726E+22	1,698810E+22	2,010285E+22
373	2,299642E+22	2,489313E+22	2,571506E+22	2,571488E+22	2,489276E+22	2,299642E+22	2,010322E+22	1,698852E+22	1,491766E+22	1,491776E+22	1,698872E+22	2,010326E+22
374	2,299622E+22	2,489239E+22	2,571419E+22	2,571395E+22	2,489204E+22	2,299611E+22	2,010329E+22	1,698890E+22	1,491813E+22	1,491807E+22	1,698871E+22	2,010289E+22
375	2,299552E+22	2,489151E+22	2,571367E+22	2,571419E+22	2,489262E+22	2,299666E+22	2,010366E+22	1,698915E+22	1,491840E+22	1,491840E+22	1,698914E+22	2,010361E+22
376	2,299670E+22	2,489281E+22	2,571452E+22	2,571441E+22	2,489232E+22	2,299612E+22	2,010324E+22	1,698895E+22	1,491842E+22	1,491859E+22	1,698939E+22	2,010364E+22
377	2,299618E+22	2,489179E+22	2,571324E+22	2,571329E+22	2,489186E+22	2,299625E+22	2,010368E+22	1,698942E+22	1,491863E+22	1,491845E+22	1,698901E+22	2,010322E+22
378	2,299597E+22	2,489215E+22	2,571429E+22	2,571442E+22	2,489247E+22	2,299640E+22	2,010353E+22	1,698916E+22	1,491846E+22	1,491844E+22	1,698918E+22	2,010376E+22
379	2,299692E+22	2,489306E+22	2,571477E+22	2,571434E+22	2,489192E+22	2,299578E+22	2,010311E+22	1,698890E+22	1,491830E+22	1,491838E+22	1,698909E+22	2,010323E+22
380	2,299578E+22	2,489157E+22	2,571335E+22	2,571380E+22	2,489229E+22	2,299636E+22	2,010355E+22	1,698917E+22	1,491835E+22	1,491820E+22	1,698878E+22	2,010300E+22
381	2,299598E+22	2,489257E+22	2,571478E+22	2,571485E+22	2,489295E+22	2,299666E+22	2,010332E+22	1,698857E+22	1,491779E+22	1,491794E+22	1,698895E+22	2,010357E+22
382	2,299642E+22	2,489234E+22	2,571416E+22	2,571407E+22	2,489215E+22	2,299620E+22	2,010327E+22	1,698860E+22	1,491762E+22	1,491756E+22	1,698840E+22	2,010291E+22
383	2,299577E+22	2,489153E+22	2,571328E+22	2,571386E+22	2,489247E+22	2,299660E+22	2,010357E+22	1,698875E+22	1,491758E+22	1,491739E+22	1,698828E+22	2,010310E+22
384	2,299663E+22	2,489315E+22	2,571480E+22	2,571456E+22	2,489247E+22	2,299615E+22	2,010297E+22	1,698825E+22	1,491731E+22	1,491735E+22	1,698841E+22	2,010311E+22

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	2,299612E+22	2,489223E+22	2,571384E+22	2,571360E+22	2,489184E+22	2,299600E+22	2,010313E+22	1,698844E+22	1,491733E+22	1,491718E+22	1,698807E+22	2,010264E+22
386	2,299559E+22	2,489188E+22	2,571427E+22	2,571465E+22	2,489266E+22	2,299634E+22	2,010304E+22	1,698819E+22	1,491717E+22	1,491720E+22	1,698831E+22	2,010330E+22
387	2,299676E+22	2,489303E+22	2,571485E+22	2,571473E+22	2,489241E+22	2,299594E+22	2,010267E+22	1,698787E+22	1,491699E+22	1,491725E+22	1,698850E+22	2,010319E+22
388	2,299601E+22	2,489173E+22	2,571316E+22	2,571351E+22	2,489222E+22	2,299635E+22	2,010328E+22	1,698848E+22	1,491737E+22	1,491727E+22	1,698822E+22	2,010289E+22
389	2,299607E+22	2,489258E+22	2,571461E+22	2,571457E+22	2,489277E+22	2,299666E+22	2,010334E+22	1,698842E+22	1,491741E+22	1,491743E+22	1,698851E+22	2,010345E+22
390	2,299670E+22	2,489283E+22	2,571458E+22	2,571422E+22	2,489197E+22	2,299594E+22	2,010318E+22	1,698872E+22	1,491786E+22	1,491780E+22	1,698849E+22	2,010285E+22
391	2,299571E+22	2,489157E+22	2,571332E+22	2,571376E+22	2,489217E+22	2,299630E+22	2,010362E+22	1,698930E+22	1,491849E+22	1,491832E+22	1,698882E+22	2,010303E+22
392	2,299610E+22	2,489272E+22	2,571479E+22	2,571475E+22	2,489265E+22	2,299626E+22	2,010328E+22	1,698907E+22	1,491863E+22	1,491878E+22	1,698948E+22	2,010357E+22
393	2,299600E+22	2,489185E+22	2,571361E+22	2,571352E+22	2,489180E+22	2,299611E+22	2,010359E+22	1,698950E+22	1,491898E+22	1,491898E+22	1,698945E+22	2,010331E+22
394	2,299552E+22	2,489118E+22	2,571331E+22	2,571389E+22	2,489230E+22	2,299647E+22	2,010384E+22	1,698969E+22	1,491915E+22	1,491911E+22	1,698963E+22	2,010387E+22
395	2,299678E+22	2,489280E+22	2,571441E+22	2,571421E+22	2,489208E+22	2,299598E+22	2,010338E+22	1,698942E+22	1,491909E+22	1,491927E+22	1,698989E+22	2,010385E+22
396	2,299618E+22	2,489172E+22	2,571302E+22	2,571290E+22	2,489144E+22	2,299601E+22	2,010380E+22	1,698995E+22	1,491944E+22	1,491926E+22	1,698950E+22	2,010329E+22
397	2,299580E+22	2,489205E+22	2,571428E+22	2,571430E+22	2,489229E+22	2,299632E+22	2,010370E+22	1,698966E+22	1,491921E+22	1,491917E+22	1,698963E+22	2,010378E+22
398	2,299655E+22	2,489259E+22	2,571452E+22	2,571440E+22	2,489208E+22	2,299582E+22	2,010325E+22	1,698935E+22	1,491902E+22	1,491911E+22	1,698953E+22	2,010334E+22
399	2,299567E+22	2,489129E+22	2,571287E+22	2,571335E+22	2,489208E+22	2,299633E+22	2,010370E+22	1,698954E+22	1,491893E+22	1,491884E+22	1,698929E+22	2,010329E+22
400	2,299597E+22	2,489236E+22	2,571444E+22	2,571443E+22	2,489261E+22	2,299649E+22	2,010350E+22	1,698911E+22	1,491849E+22	1,491853E+22	1,698930E+22	2,010368E+22
401	2,299634E+22	2,489215E+22	2,571381E+22	2,571358E+22	2,489171E+22	2,299603E+22	2,010351E+22	1,698921E+22	1,491840E+22	1,491824E+22	1,698878E+22	2,010298E+22
402	2,299563E+22	2,489140E+22	2,571330E+22	2,571374E+22	2,489208E+22	2,299620E+22	2,010354E+22	1,698918E+22	1,491830E+22	1,491808E+22	1,698865E+22	2,010311E+22
403	2,299642E+22	2,489296E+22	2,571480E+22	2,571465E+22	2,489244E+22	2,299596E+22	2,010293E+22	1,698855E+22	1,491792E+22	1,491809E+22	1,698903E+22	2,010335E+22
404	2,299594E+22	2,489185E+22	2,571346E+22	2,571333E+22	2,489173E+22	2,299596E+22	2,010322E+22	1,698882E+22	1,491801E+22	1,491797E+22	1,698870E+22	2,010297E+22
405	2,299554E+22	2,489165E+22	2,571400E+22	2,571431E+22	2,489250E+22	2,299645E+22	2,010337E+22	1,698870E+22	1,491782E+22	1,491784E+22	1,698876E+22	2,010350E+22
406	2,299667E+22	2,489273E+22	2,571455E+22	2,571456E+22	2,489236E+22	2,299600E+22	2,010302E+22	1,698856E+22	1,491784E+22	1,491797E+22	1,698884E+22	2,010326E+22
407	2,299608E+22	2,489176E+22	2,571291E+22	2,571303E+22	2,489182E+22	2,299617E+22	2,010348E+22	1,698911E+22	1,491827E+22	1,491813E+22	1,698873E+22	2,010299E+22
408	2,299591E+22	2,489246E+22	2,571455E+22	2,571435E+22	2,489240E+22	2,299635E+22	2,010348E+22	1,698915E+22	1,491848E+22	1,491842E+22	1,698907E+22	2,010347E+22
409	2,299632E+22	2,489240E+22	2,571431E+22	2,571406E+22	2,489182E+22	2,299581E+22	2,010336E+22	1,698940E+22	1,491891E+22	1,491889E+22	1,698927E+22	2,010310E+22
410	2,299541E+22	2,489106E+22	2,571302E+22	2,571361E+22	2,489202E+22	2,299612E+22	2,010364E+22	1,698974E+22	1,491932E+22	1,491923E+22	1,698954E+22	2,010339E+22
411	2,299602E+22	2,489229E+22	2,571433E+22	2,571444E+22	2,489252E+22	2,299627E+22	2,010347E+22	1,698949E+22	1,491928E+22	1,491957E+22	1,699021E+22	2,010406E+22
412	2,299614E+22	2,489162E+22	2,571307E+22	2,571288E+22	2,489133E+22	2,299595E+22	2,010383E+22	1,699010E+22	1,491978E+22	1,491975E+22	1,699000E+22	2,010361E+22
413	2,299566E+22	2,489127E+22	2,571320E+22	2,571341E+22	2,489180E+22	2,299628E+22	2,010405E+22	1,699030E+22	1,491996E+22	1,491981E+22	1,698997E+22	2,010386E+22
414	2,299660E+22	2,489268E+22	2,571444E+22	2,571422E+22	2,489195E+22	2,299581E+22	2,010352E+22	1,699002E+22	1,491998E+22	1,492007E+22	1,699022E+22	2,010376E+22
415	2,299600E+22	2,489163E+22	2,571293E+22	2,571276E+22	2,489128E+22	2,299581E+22	2,010377E+22	1,699032E+22	1,492018E+22	1,492007E+22	1,699004E+22	2,010340E+22
416	2,299553E+22	2,489170E+22	2,571409E+22	2,571422E+22	2,489226E+22	2,299627E+22	2,010381E+22	1,699012E+22	1,491993E+22	1,491987E+22	1,699009E+22	2,010390E+22
417	2,299630E+22	2,489209E+22	2,571403E+22	2,571408E+22	2,489200E+22	2,299596E+22	2,010360E+22	1,698991E+22	1,491972E+22	1,491977E+22	1,699000E+22	2,010355E+22
418	2,299556E+22	2,489095E+22	2,571257E+22	2,571304E+22	2,489178E+22	2,299619E+22	2,010388E+22	1,699005E+22	1,491959E+22	1,491942E+22	1,698962E+22	2,010341E+22
419	2,299594E+22	2,489221E+22	2,571425E+22	2,571415E+22	2,489235E+22	2,299638E+22	2,010366E+22	1,698956E+22	1,491913E+22	1,491920E+22	1,698978E+22	2,010382E+22
420	2,299624E+22	2,489197E+22	2,571358E+22	2,571316E+22	2,489123E+22	2,299572E+22	2,010358E+22	1,698973E+22	1,491922E+22	1,491909E+22	1,698935E+22	2,010314E+22

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	2,299548E+22	2,489123E+22	2,571322E+22	2,571356E+22	2,489187E+22	2,299602E+22	2,010354E+22	1,698959E+22	1,491904E+22	1,491887E+22	1,698921E+22	2,010328E+22
422	2,299620E+22	2,489255E+22	2,571456E+22	2,571462E+22	2,489252E+22	2,299597E+22	2,010301E+22	1,698894E+22	1,491862E+22	1,491885E+22	1,698952E+22	2,010360E+22
423	2,299605E+22	2,489170E+22	2,571306E+22	2,571287E+22	2,489147E+22	2,299589E+22	2,010333E+22	1,698918E+22	1,491862E+22	1,491864E+22	1,698924E+22	2,010329E+22
424	2,299566E+22	2,489160E+22	2,571383E+22	2,571401E+22	2,489219E+22	2,299628E+22	2,010357E+22	1,698932E+22	1,491861E+22	1,491847E+22	1,698909E+22	2,010357E+22
425	2,299658E+22	2,489259E+22	2,571435E+22	2,571424E+22	2,489207E+22	2,299588E+22	2,010330E+22	1,698926E+22	1,491877E+22	1,491879E+22	1,698926E+22	2,010324E+22
426	2,299577E+22	2,489149E+22	2,571295E+22	2,571300E+22	2,489155E+22	2,299589E+22	2,010356E+22	1,698969E+22	1,491919E+22	1,491903E+22	1,698925E+22	2,010301E+22
427	2,299556E+22	2,489202E+22	2,571438E+22	2,571437E+22	2,489243E+22	2,299632E+22	2,010357E+22	1,698959E+22	1,491929E+22	1,491939E+22	1,698985E+22	2,010371E+22
428	2,299603E+22	2,489182E+22	2,571371E+22	2,571356E+22	2,489158E+22	2,299581E+22	2,010360E+22	1,698998E+22	1,491982E+22	1,491988E+22	1,699005E+22	2,010351E+22
429	2,299539E+22	2,489074E+22	2,571256E+22	2,571306E+22	2,489170E+22	2,299615E+22	2,010396E+22	1,699037E+22	1,492015E+22	1,492004E+22	1,699010E+22	2,010369E+22
430	2,299607E+22	2,489205E+22	2,571396E+22	2,571408E+22	2,489227E+22	2,299618E+22	2,010374E+22	1,699019E+22	1,492021E+22	1,492036E+22	1,699060E+22	2,010422E+22
431	2,299635E+22	2,489174E+22	2,571289E+22	2,571238E+22	2,489080E+22	2,299562E+22	2,010390E+22	1,699064E+22	1,492064E+22	1,492060E+22	1,699051E+22	2,010375E+22
432	2,299561E+22	2,489127E+22	2,571333E+22	2,571337E+22	2,489145E+22	2,299588E+22	2,010407E+22	1,699089E+22	1,492086E+22	1,492065E+22	1,699044E+22	2,010385E+22
433	2,299626E+22	2,489231E+22	2,571428E+22	2,571421E+22	2,489195E+22	2,299575E+22	2,010363E+22	1,699053E+22	1,492082E+22	1,492095E+22	1,699083E+22	2,010389E+22
434	2,299565E+22	2,489114E+22	2,571275E+22	2,571273E+22	2,489127E+22	2,299581E+22	2,010386E+22	1,699066E+22	1,492080E+22	1,492076E+22	1,699056E+22	2,010363E+22
435	2,299541E+22	2,489127E+22	2,571368E+22	2,571396E+22	2,489222E+22	2,299642E+22	2,010408E+22	1,699050E+22	1,492045E+22	1,492049E+22	1,699060E+22	2,010413E+22
436	2,299629E+22	2,489181E+22	2,571351E+22	2,571345E+22	2,489155E+22	2,299587E+22	2,010390E+22	1,699053E+22	1,492048E+22	1,492045E+22	1,699041E+22	2,010370E+22
437	2,299559E+22	2,489093E+22	2,571241E+22	2,571259E+22	2,489131E+22	2,299600E+22	2,010403E+22	1,699060E+22	1,492036E+22	1,492009E+22	1,698995E+22	2,010338E+22
438	2,299574E+22	2,489197E+22	2,571416E+22	2,571409E+22	2,489218E+22	2,299617E+22	2,010371E+22	1,699007E+22	1,491995E+22	1,491998E+22	1,699017E+22	2,010386E+22
439	2,299618E+22	2,489182E+22	2,571339E+22	2,571296E+22	2,489101E+22	2,299548E+22	2,010347E+22	1,698999E+22	1,491987E+22	1,491989E+22	1,699000E+22	2,010343E+22
440	2,299540E+22	2,489097E+22	2,571305E+22	2,571343E+22	2,489171E+22	2,299588E+22	2,010359E+22	1,698996E+22	1,491966E+22	1,491952E+22	1,698970E+22	2,010351E+22
441	2,299612E+22	2,489221E+22	2,571418E+22	2,571434E+22	2,489243E+22	2,299607E+22	2,010331E+22	1,698947E+22	1,491930E+22	1,491950E+22	1,698998E+22	2,010380E+22
442	2,299602E+22	2,489155E+22	2,571297E+22	2,571266E+22	2,489120E+22	2,299577E+22	2,010348E+22	1,698967E+22	1,491930E+22	1,491925E+22	1,698955E+22	2,010334E+22
443	2,299560E+22	2,489145E+22	2,571369E+22	2,571379E+22	2,489199E+22	2,299625E+22	2,010380E+22	1,698984E+22	1,491938E+22	1,491927E+22	1,698957E+22	2,010355E+22
444	2,299631E+22	2,489228E+22	2,571410E+22	2,571393E+22	2,489172E+22	2,299571E+22	2,010351E+22	1,698995E+22	1,491977E+22	1,491978E+22	1,698991E+22	2,010338E+22
445	2,299550E+22	2,489111E+22	2,571269E+22	2,571276E+22	2,489136E+22	2,299580E+22	2,010368E+22	1,699026E+22	1,492014E+22	1,492001E+22	1,698993E+22	2,010323E+22
446	2,299532E+22	2,489144E+22	2,571386E+22	2,571409E+22	2,489236E+22	2,299638E+22	2,010382E+22	1,699018E+22	1,492019E+22	1,492032E+22	1,699048E+22	2,010407E+22
447	2,299621E+22	2,489163E+22	2,571318E+22	2,571290E+22	2,489107E+22	2,299561E+22	2,010375E+22	1,699048E+22	1,492061E+22	1,492074E+22	1,699073E+22	2,010391E+22
448	2,299558E+22	2,489076E+22	2,571240E+22	2,571265E+22	2,489116E+22	2,299577E+22	2,010408E+22	1,699103E+22	1,492104E+22	1,492080E+22	1,699052E+22	2,010379E+22
449	2,299604E+22	2,489201E+22	2,571388E+22	2,571384E+22	2,489192E+22	2,299596E+22	2,010389E+22	1,699083E+22	1,492116E+22	1,492124E+22	1,699107E+22	2,010421E+22
450	2,299606E+22	2,489157E+22	2,571309E+22	2,571253E+22	2,489062E+22	2,299534E+22	2,010386E+22	1,699107E+22	1,492144E+22	1,492142E+22	1,699099E+22	2,010375E+22
451	2,299530E+22	2,489090E+22	2,571322E+22	2,571351E+22	2,489164E+22	2,299598E+22	2,010418E+22	1,699122E+22	1,492152E+22	1,492147E+22	1,699108E+22	2,010398E+22
452	2,299594E+22	2,489177E+22	2,571378E+22	2,571386E+22	2,489185E+22	2,299592E+22	2,010398E+22	1,699108E+22	1,492157E+22	1,492174E+22	1,699144E+22	2,010417E+22
453	2,299555E+22	2,489076E+22	2,571229E+22	2,571232E+22	2,489108E+22	2,299595E+22	2,010423E+22	1,699127E+22	1,492154E+22	1,492143E+22	1,699099E+22	2,010380E+22
454	2,299536E+22	2,489095E+22	2,571321E+22	2,571358E+22	2,489200E+22	2,299644E+22	2,010441E+22	1,699116E+22	1,492129E+22	1,492120E+22	1,699093E+22	2,010422E+22
455	2,299639E+22	2,489179E+22	2,571321E+22	2,571288E+22	2,489095E+22	2,299554E+22	2,010395E+22	1,699101E+22	1,492127E+22	1,492127E+22	1,699096E+22	2,010387E+22
456	2,299555E+22	2,489089E+22	2,571245E+22	2,571249E+22	2,489088E+22	2,299551E+22	2,010396E+22	1,699107E+22	1,492114E+22	1,492086E+22	1,699047E+22	2,010350E+22

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	2,299556E+22	2,489167E+22	2,571393E+22	2,571400E+22	2,489206E+22	2,299600E+22	2,010367E+22	1,699040E+22	1,492063E+22	1,492076E+22	1,699078E+22	2,010410E+22
458	2,299600E+22	2,489150E+22	2,571325E+22	2,571289E+22	2,489089E+22	2,299539E+22	2,010346E+22	1,699018E+22	1,492031E+22	1,492045E+22	1,699047E+22	2,010371E+22
459	2,299547E+22	2,489079E+22	2,571279E+22	2,571325E+22	2,489164E+22	2,299597E+22	2,010380E+22	1,699024E+22	1,492009E+22	1,492004E+22	1,699010E+22	2,010362E+22
460	2,299610E+22	2,489207E+22	2,571384E+22	2,571384E+22	2,489201E+22	2,299602E+22	2,010363E+22	1,699010E+22	1,492007E+22	1,492015E+22	1,699030E+22	2,010381E+22
461	2,299591E+22	2,489148E+22	2,571288E+22	2,571242E+22	2,489091E+22	2,299569E+22	2,010372E+22	1,699032E+22	1,492020E+22	1,492003E+22	1,698990E+22	2,010321E+22
462	2,299525E+22	2,489107E+22	2,571347E+22	2,571377E+22	2,489193E+22	2,299619E+22	2,010401E+22	1,699051E+22	1,492038E+22	1,492021E+22	1,699006E+22	2,010356E+22
463	2,299608E+22	2,489188E+22	2,571368E+22	2,571358E+22	2,489145E+22	2,299557E+22	2,010359E+22	1,699044E+22	1,492067E+22	1,492081E+22	1,699071E+22	2,010372E+22
464	2,299538E+22	2,489073E+22	2,571234E+22	2,571248E+22	2,489102E+22	2,299560E+22	2,010386E+22	1,699087E+22	1,492100E+22	1,492088E+22	1,699060E+22	2,010356E+22
465	2,299530E+22	2,489110E+22	2,571336E+22	2,571364E+22	2,489202E+22	2,299630E+22	2,010410E+22	1,699084E+22	1,492110E+22	1,492120E+22	1,699111E+22	2,010435E+22
466	2,299621E+22	2,489155E+22	2,571309E+22	2,571263E+22	2,489065E+22	2,299535E+22	2,010383E+22	1,699099E+22	1,492142E+22	1,492154E+22	1,699123E+22	2,010408E+22
467	2,299561E+22	2,489077E+22	2,571240E+22	2,571254E+22	2,489093E+22	2,299563E+22	2,010419E+22	1,699146E+22	1,492182E+22	1,492169E+22	1,699110E+22	2,010383E+22
468	2,299579E+22	2,489176E+22	2,571375E+22	2,571369E+22	2,489167E+22	2,299582E+22	2,010407E+22	1,699145E+22	1,492210E+22	1,492221E+22	1,699172E+22	2,010436E+22
469	2,299581E+22	2,489120E+22	2,571285E+22	2,571250E+22	2,489068E+22	2,299542E+22	2,010401E+22	1,699156E+22	1,492226E+22	1,492227E+22	1,699158E+22	2,010393E+22
470	2,299507E+22	2,489034E+22	2,571266E+22	2,571329E+22	2,489171E+22	2,299622E+22	2,010455E+22	1,699180E+22	1,492230E+22	1,492222E+22	1,699156E+22	2,010422E+22
471	2,299602E+22	2,489153E+22	2,571322E+22	2,571323E+22	2,489139E+22	2,299583E+22	2,010425E+22	1,699163E+22	1,492230E+22	1,492246E+22	1,699198E+22	2,010446E+22
472	2,299567E+22	2,489073E+22	2,571207E+22	2,571187E+22	2,489044E+22	2,299554E+22	2,010440E+22	1,699193E+22	1,492233E+22	1,492209E+22	1,699135E+22	2,010384E+22
473	2,299526E+22	2,489083E+22	2,571302E+22	2,571326E+22	2,489155E+22	2,299614E+22	2,010450E+22	1,699170E+22	1,492213E+22	1,492201E+22	1,699140E+22	2,010423E+22
474	2,299611E+22	2,489165E+22	2,571331E+22	2,571292E+22	2,489068E+22	2,299515E+22	2,010376E+22	1,699124E+22	1,492186E+22	1,492197E+22	1,699146E+22	2,010398E+22
475	2,299538E+22	2,489064E+22	2,571230E+22	2,571251E+22	2,489094E+22	2,299549E+22	2,010391E+22	1,699117E+22	1,492158E+22	1,492152E+22	1,699102E+22	2,010368E+22
476	2,299539E+22	2,489132E+22	2,571354E+22	2,571370E+22	2,489190E+22	2,299608E+22	2,010393E+22	1,699082E+22	1,492121E+22	1,492136E+22	1,699125E+22	2,010436E+22
477	2,299602E+22	2,489130E+22	2,571293E+22	2,571266E+22	2,489079E+22	2,299547E+22	2,010373E+22	1,699069E+22	1,492094E+22	1,492096E+22	1,699073E+22	2,010375E+22
478	2,299540E+22	2,489060E+22	2,571249E+22	2,571302E+22	2,489152E+22	2,299606E+22	2,010418E+22	1,699093E+22	1,492091E+22	1,492069E+22	1,699034E+22	2,010357E+22
479	2,299600E+22	2,489198E+22	2,571364E+22	2,571345E+22	2,489152E+22	2,299578E+22	2,010382E+22	1,699070E+22	1,492097E+22	1,492105E+22	1,699086E+22	2,010386E+22
480	2,299565E+22	2,489124E+22	2,571279E+22	2,571235E+22	2,489054E+22	2,299530E+22	2,010381E+22	1,699097E+22	1,492116E+22	1,492100E+22	1,699054E+22	2,010334E+22
481	2,299492E+22	2,489055E+22	2,571297E+22	2,571351E+22	2,489180E+22	2,299613E+22	2,010413E+22	1,699104E+22	1,492131E+22	1,492125E+22	1,699088E+22	2,010389E+22
482	2,299587E+22	2,489147E+22	2,571331E+22	2,571326E+22	2,489116E+22	2,299542E+22	2,010365E+22	1,699081E+22	1,492137E+22	1,492163E+22	1,699142E+22	2,010416E+22
483	2,299554E+22	2,489060E+22	2,571199E+22	2,571213E+22	2,489074E+22	2,299552E+22	2,010402E+22	1,699126E+22	1,492167E+22	1,492166E+22	1,699119E+22	2,010382E+22
484	2,299538E+22	2,489107E+22	2,571311E+22	2,571317E+22	2,489149E+22	2,299606E+22	2,010433E+22	1,699152E+22	1,492201E+22	1,492204E+22	1,699162E+22	2,010449E+22
485	2,299616E+22	2,489152E+22	2,571307E+22	2,571257E+22	2,489046E+22	2,299519E+22	2,010396E+22	1,699159E+22	1,492233E+22	1,492238E+22	1,699168E+22	2,010404E+22
486	2,299532E+22	2,489048E+22	2,571228E+22	2,571265E+22	2,489102E+22	2,299569E+22	2,010443E+22	1,699207E+22	1,492274E+22	1,492257E+22	1,699160E+22	2,010389E+22
487	2,299555E+22	2,489138E+22	2,571335E+22	2,571338E+22	2,489151E+22	2,299584E+22	2,010429E+22	1,699197E+22	1,492293E+22	1,492312E+22	1,699242E+22	2,010464E+22
488	2,299567E+22	2,489084E+22	2,571249E+22	2,571224E+22	2,489043E+22	2,299536E+22	2,010438E+22	1,699226E+22	1,492308E+22	1,492304E+22	1,699211E+22	2,010416E+22
489	2,299500E+22	2,489000E+22	2,571208E+22	2,571279E+22	2,489140E+22	2,299618E+22	2,010488E+22	1,699249E+22	1,492318E+22	1,492302E+22	1,699207E+22	2,010436E+22
490	2,299587E+22	2,489138E+22	2,571302E+22	2,571283E+22	2,489089E+22	2,299551E+22	2,010431E+22	1,699210E+22	1,492303E+22	1,492317E+22	1,699242E+22	2,010460E+22
491	2,299563E+22	2,489071E+22	2,571204E+22	2,571173E+22	2,489012E+22	2,299524E+22	2,010437E+22	1,699222E+22	1,492299E+22	1,492288E+22	1,699188E+22	2,010390E+22
492	2,299502E+22	2,489061E+22	2,571286E+22	2,571306E+22	2,489120E+22	2,299582E+22	2,010449E+22	1,699212E+22	1,492286E+22	1,492280E+22	1,699201E+22	2,010445E+22

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	2,299594E+22	2,489135E+22	2,571306E+22	2,571289E+22	2,489076E+22	2,299515E+22	2,010377E+22	1,699150E+22	1,492242E+22	1,492260E+22	1,699194E+22	2,010420E+22
494	2,299530E+22	2,489034E+22	2,571192E+22	2,571235E+22	2,489101E+22	2,299570E+22	2,010420E+22	1,699158E+22	1,492211E+22	1,492201E+22	1,699133E+22	2,010388E+22
495	2,299550E+22	2,489121E+22	2,571315E+22	2,571320E+22	2,489151E+22	2,299598E+22	2,010418E+22	1,699132E+22	1,492183E+22	1,492193E+22	1,699160E+22	2,010449E+22
496	2,299603E+22	2,489131E+22	2,571287E+22	2,571245E+22	2,489036E+22	2,299517E+22	2,010398E+22	1,699137E+22	1,492173E+22	1,492159E+22	1,699100E+22	2,010365E+22
497	2,299513E+22	2,489037E+22	2,571226E+22	2,571282E+22	2,489126E+22	2,299588E+22	2,010437E+22	1,699158E+22	1,492187E+22	1,492161E+22	1,699086E+22	2,010350E+22
498	2,299549E+22	2,489160E+22	2,571355E+22	2,571342E+22	2,489134E+22	2,299554E+22	2,010379E+22	1,699110E+22	1,492175E+22	1,492193E+22	1,699153E+22	2,010408E+22
499	2,299542E+22	2,489084E+22	2,571245E+22	2,571221E+22	2,489051E+22	2,299530E+22	2,010388E+22	1,699127E+22	1,492185E+22	1,492191E+22	1,699131E+22	2,010367E+22
500	2,299479E+22	2,489016E+22	2,571244E+22	2,571299E+22	2,489142E+22	2,299607E+22	2,010444E+22	1,699165E+22	1,492213E+22	1,492211E+22	1,699158E+22	2,010434E+22
501	2,299600E+22	2,489132E+22	2,571290E+22	2,571289E+22	2,489094E+22	2,299536E+22	2,010388E+22	1,699141E+22	1,492218E+22	1,492238E+22	1,699188E+22	2,010438E+22
502	2,299561E+22	2,489057E+22	2,571177E+22	2,571184E+22	2,489052E+22	2,299549E+22	2,010433E+22	1,699195E+22	1,492257E+22	1,492243E+22	1,699158E+22	2,010393E+22
503	2,299539E+22	2,489107E+22	2,571303E+22	2,571290E+22	2,489104E+22	2,299575E+22	2,010447E+22	1,699214E+22	1,492296E+22	1,492299E+22	1,699224E+22	2,010464E+22
504	2,299598E+22	2,489134E+22	2,571307E+22	2,571263E+22	2,489023E+22	2,299488E+22	2,010409E+22	1,699224E+22	1,492327E+22	1,492330E+22	1,699228E+22	2,010415E+22
505	2,299499E+22	2,488998E+22	2,571182E+22	2,571244E+22	2,489101E+22	2,299578E+22	2,010469E+22	1,699267E+22	1,492366E+22	1,492355E+22	1,699232E+22	2,010411E+22
506	2,299523E+22	2,489096E+22	2,571301E+22	2,571305E+22	2,489124E+22	2,299577E+22	2,010448E+22	1,699242E+22	1,492362E+22	1,492386E+22	1,699298E+22	2,010493E+22
507	2,299570E+22	2,489066E+22	2,571210E+22	2,571181E+22	2,489009E+22	2,299524E+22	2,010455E+22	1,699271E+22	1,492379E+22	1,492379E+22	1,699258E+22	2,010427E+22
508	2,299493E+22	2,488988E+22	2,571177E+22	2,571224E+22	2,489082E+22	2,299588E+22	2,010508E+22	1,699314E+22	1,492407E+22	1,492382E+22	1,699254E+22	2,010448E+22
509	2,299575E+22	2,489124E+22	2,571290E+22	2,571273E+22	2,489070E+22	2,299523E+22	2,010428E+22	1,699254E+22	1,492380E+22	1,492391E+22	1,699284E+22	2,010462E+22
510	2,299538E+22	2,489044E+22	2,571190E+22	2,571178E+22	2,489020E+22	2,299522E+22	2,010444E+22	1,699261E+22	1,492365E+22	1,492354E+22	1,699233E+22	2,010409E+22
511	2,299491E+22	2,489032E+22	2,571257E+22	2,571281E+22	2,489102E+22	2,299573E+22	2,010457E+22	1,699244E+22	1,492343E+22	1,492347E+22	1,699258E+22	2,010478E+22
512	2,299593E+22	2,489112E+22	2,571283E+22	2,571273E+22	2,489054E+22	2,299507E+22	2,010406E+22	1,699203E+22	1,492301E+22	1,492312E+22	1,699228E+22	2,010434E+22
513	2,299524E+22	2,489012E+22	2,571152E+22	2,571200E+22	2,489085E+22	2,299575E+22	2,010453E+22	1,699219E+22	1,492287E+22	1,492268E+22	1,699170E+22	2,010387E+22
514	2,299525E+22	2,489110E+22	2,571307E+22	2,571290E+22	2,489115E+22	2,299578E+22	2,010431E+22	1,699180E+22	1,492254E+22	1,492259E+22	1,699197E+22	2,010450E+22
515	2,299585E+22	2,489118E+22	2,571281E+22	2,571235E+22	2,489016E+22	2,299498E+22	2,010403E+22	1,699179E+22	1,492251E+22	1,492247E+22	1,699156E+22	2,010370E+22
516	2,299480E+22	2,488998E+22	2,571193E+22	2,571253E+22	2,489099E+22	2,299566E+22	2,010447E+22	1,699213E+22	1,492276E+22	1,492256E+22	1,699161E+22	2,010385E+22
517	2,299532E+22	2,489109E+22	2,571303E+22	2,571319E+22	2,489136E+22	2,299554E+22	2,010389E+22	1,699152E+22	1,492247E+22	1,492274E+22	1,699218E+22	2,010447E+22
518	2,299545E+22	2,489055E+22	2,571200E+22	2,571185E+22	2,489037E+22	2,299538E+22	2,010420E+22	1,699181E+22	1,492255E+22	1,492257E+22	1,699182E+22	2,010406E+22
519	2,299502E+22	2,489014E+22	2,571211E+22	2,571237E+22	2,489079E+22	2,299574E+22	2,010461E+22	1,699224E+22	1,492295E+22	1,492287E+22	1,699209E+22	2,010459E+22
520	2,299610E+22	2,489144E+22	2,571296E+22	2,571269E+22	2,489044E+22	2,299499E+22	2,010407E+22	1,699211E+22	1,492310E+22	1,492318E+22	1,699226E+22	2,010434E+22
521	2,299540E+22	2,489045E+22	2,571173E+22	2,571179E+22	2,489036E+22	2,299532E+22	2,010446E+22	1,699259E+22	1,492358E+22	1,492342E+22	1,699214E+22	2,010384E+22
522	2,299487E+22	2,489071E+22	2,571296E+22	2,571289E+22	2,489097E+22	2,299561E+22	2,010450E+22	1,699258E+22	1,492378E+22	1,492388E+22	1,699286E+22	2,010480E+22
523	2,299570E+22	2,489091E+22	2,571275E+22	2,571254E+22	2,489032E+22	2,299500E+22	2,010428E+22	1,699267E+22	1,492404E+22	1,492421E+22	1,699293E+22	2,010437E+22
524	2,299476E+22	2,488951E+22	2,571126E+22	2,571190E+22	2,489068E+22	2,299577E+22	2,010509E+22	1,699340E+22	1,492456E+22	1,492440E+22	1,699295E+22	2,010444E+22
525	2,299520E+22	2,489059E+22	2,571248E+22	2,571264E+22	2,489105E+22	2,299572E+22	2,010474E+22	1,699306E+22	1,492447E+22	1,492461E+22	1,699343E+22	2,010508E+22
526	2,299567E+22	2,489054E+22	2,571186E+22	2,571146E+22	2,488980E+22	2,299515E+22	2,010480E+22	1,699334E+22	1,492465E+22	1,492454E+22	1,699302E+22	2,010442E+22
527	2,299488E+22	2,488977E+22	2,571164E+22	2,571188E+22	2,489027E+22	2,299541E+22	2,010505E+22	1,699363E+22	1,492491E+22	1,492471E+22	1,699318E+22	2,010472E+22
528	2,299565E+22	2,489105E+22	2,571284E+22	2,571270E+22	2,489048E+22	2,299494E+22	2,010429E+22	1,699296E+22	1,492451E+22	1,492467E+22	1,699339E+22	2,010483E+22

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	2,299524E+22	2,489008E+22	2,571154E+22	2,571158E+22	2,489021E+22	2,299529E+22	2,010458E+22	1,699297E+22	1,492428E+22	1,492425E+22	1,699287E+22	2,010429E+22
530	2,299478E+22	2,489011E+22	2,571235E+22	2,571251E+22	2,489080E+22	2,299567E+22	2,010470E+22	1,699275E+22	1,492388E+22	1,492393E+22	1,699292E+22	2,010499E+22
531	2,299603E+22	2,489109E+22	2,571267E+22	2,571248E+22	2,489036E+22	2,299500E+22	2,010420E+22	1,699242E+22	1,492360E+22	1,492368E+22	1,699253E+22	2,010429E+22
532	2,299507E+22	2,489000E+22	2,571137E+22	2,571161E+22	2,489044E+22	2,299555E+22	2,010477E+22	1,699284E+22	1,492372E+22	1,492343E+22	1,699210E+22	2,010388E+22
533	2,299497E+22	2,489075E+22	2,571287E+22	2,571287E+22	2,489112E+22	2,299564E+22	2,010437E+22	1,699230E+22	1,492334E+22	1,492338E+22	1,699240E+22	2,010449E+22
534	2,299552E+22	2,489077E+22	2,571252E+22	2,571223E+22	2,489022E+22	2,299506E+22	2,010422E+22	1,699229E+22	1,492328E+22	1,492324E+22	1,699214E+22	2,010400E+22
535	2,299470E+22	2,488960E+22	2,571150E+22	2,571206E+22	2,489063E+22	2,299551E+22	2,010462E+22	1,699262E+22	1,492352E+22	1,492340E+22	1,699232E+22	2,010432E+22
536	2,299545E+22	2,489091E+22	2,571273E+22	2,571280E+22	2,489091E+22	2,299531E+22	2,010415E+22	1,699214E+22	1,492324E+22	1,492344E+22	1,699264E+22	2,010471E+22
537	2,299552E+22	2,489042E+22	2,571167E+22	2,571144E+22	2,489007E+22	2,299526E+22	2,010443E+22	1,699246E+22	1,492346E+22	1,492341E+22	1,699229E+22	2,010411E+22
538	2,299488E+22	2,489017E+22	2,571220E+22	2,571215E+22	2,489039E+22	2,299541E+22	2,010463E+22	1,699271E+22	1,492375E+22	1,492367E+22	1,699256E+22	2,010464E+22
539	2,299594E+22	2,489133E+22	2,571302E+22	2,571272E+22	2,489033E+22	2,299476E+22	2,010405E+22	1,699255E+22	1,492399E+22	1,492415E+22	1,699285E+22	2,010436E+22
540	2,299499E+22	2,489000E+22	2,571147E+22	2,571161E+22	2,489027E+22	2,299527E+22	2,010466E+22	1,699322E+22	1,492457E+22	1,492445E+22	1,699290E+22	2,010415E+22
541	2,299462E+22	2,489007E+22	2,571238E+22	2,571269E+22	2,489110E+22	2,299576E+22	2,010474E+22	1,699311E+22	1,492460E+22	1,492473E+22	1,699345E+22	2,010506E+22
542	2,299563E+22	2,489053E+22	2,571222E+22	2,571209E+22	2,489018E+22	2,299517E+22	2,010473E+22	1,699337E+22	1,492486E+22	1,492492E+22	1,699344E+22	2,010471E+22
543	2,299487E+22	2,488935E+22	2,571086E+22	2,571121E+22	2,489001E+22	2,299545E+22	2,010530E+22	1,699408E+22	1,492548E+22	1,492525E+22	1,699351E+22	2,010470E+22
544	2,299526E+22	2,489055E+22	2,571240E+22	2,571230E+22	2,489045E+22	2,299531E+22	2,010489E+22	1,699372E+22	1,492538E+22	1,492544E+22	1,699387E+22	2,010511E+22
545	2,299549E+22	2,489033E+22	2,571175E+22	2,571135E+22	2,488961E+22	2,299493E+22	2,010484E+22	1,699384E+22	1,492553E+22	1,492546E+22	1,699362E+22	2,010447E+22
546	2,299456E+22	2,488954E+22	2,571160E+22	2,571182E+22	2,489014E+22	2,299521E+22	2,010493E+22	1,699384E+22	1,492548E+22	1,492542E+22	1,699374E+22	2,010497E+22
547	2,299559E+22	2,489081E+22	2,571265E+22	2,571261E+22	2,489052E+22	2,299500E+22	2,010436E+22	1,699322E+22	1,492505E+22	1,492532E+22	1,699383E+22	2,010500E+22
548	2,299516E+22	2,488981E+22	2,571121E+22	2,571120E+22	2,488999E+22	2,299533E+22	2,010491E+22	1,699355E+22	1,492497E+22	1,492485E+22	1,699326E+22	2,010448E+22
549	2,299476E+22	2,488983E+22	2,571198E+22	2,571228E+22	2,489075E+22	2,299570E+22	2,010495E+22	1,699330E+22	1,492457E+22	1,492448E+22	1,699312E+22	2,010492E+22
550	2,299589E+22	2,489099E+22	2,571257E+22	2,571229E+22	2,489020E+22	2,299503E+22	2,010451E+22	1,699304E+22	1,492436E+22	1,492432E+22	1,699288E+22	2,010433E+22
551	2,299487E+22	2,488975E+22	2,571122E+22	2,571129E+22	2,488994E+22	2,299516E+22	2,010480E+22	1,699337E+22	1,492457E+22	1,492433E+22	1,699275E+22	2,010411E+22
552	2,299478E+22	2,489034E+22	2,571260E+22	2,571267E+22	2,489087E+22	2,299546E+22	2,010448E+22	1,699277E+22	1,492412E+22	1,492422E+22	1,699303E+22	2,010475E+22
553	2,299540E+22	2,489034E+22	2,571204E+22	2,571186E+22	2,489007E+22	2,299507E+22	2,010437E+22	1,699271E+22	1,492402E+22	1,492408E+22	1,699278E+22	2,010427E+22
554	2,299468E+22	2,488945E+22	2,571123E+22	2,571158E+22	2,489017E+22	2,299524E+22	2,010463E+22	1,699297E+22	1,492412E+22	1,492402E+22	1,699278E+22	2,010460E+22
555	2,299564E+22	2,489098E+22	2,571264E+22	2,571252E+22	2,489059E+22	2,299507E+22	2,010416E+22	1,699257E+22	1,492400E+22	1,492418E+22	1,699300E+22	2,010471E+22
556	2,299540E+22	2,489035E+22	2,571167E+22	2,571122E+22	2,488970E+22	2,299501E+22	2,010456E+22	1,699309E+22	1,492439E+22	1,492429E+22	1,699279E+22	2,010415E+22
557	2,299459E+22	2,488978E+22	2,571204E+22	2,571228E+22	2,489052E+22	2,299536E+22	2,010472E+22	1,699323E+22	1,492461E+22	1,492453E+22	1,699305E+22	2,010463E+22
558	2,299558E+22	2,489089E+22	2,571275E+22	2,571268E+22	2,489052E+22	2,299503E+22	2,010439E+22	1,699314E+22	1,492481E+22	1,492497E+22	1,699348E+22	2,010464E+22
559	2,299479E+22	2,488948E+22	2,571097E+22	2,571111E+22	2,488993E+22	2,299525E+22	2,010500E+22	1,699389E+22	1,492549E+22	1,492540E+22	1,699363E+22	2,010456E+22
560	2,299466E+22	2,488970E+22	2,571189E+22	2,571219E+22	2,489067E+22	2,299569E+22	2,010517E+22	1,699389E+22	1,492554E+22	1,492558E+22	1,699398E+22	2,010526E+22
561	2,299562E+22	2,489031E+22	2,571178E+22	2,571154E+22	2,488977E+22	2,299506E+22	2,010502E+22	1,699411E+22	1,492590E+22	1,492589E+22	1,699401E+22	2,010477E+22
562	2,299475E+22	2,488936E+22	2,571084E+22	2,571085E+22	2,488942E+22	2,299498E+22	2,010525E+22	1,699455E+22	1,492631E+22	1,492611E+22	1,699408E+22	2,010488E+22
563	2,299521E+22	2,489048E+22	2,571243E+22	2,571228E+22	2,489022E+22	2,299495E+22	2,010472E+22	1,699407E+22	1,492619E+22	1,492635E+22	1,699446E+22	2,010524E+22
564	2,299525E+22	2,488999E+22	2,571154E+22	2,571122E+22	2,488950E+22	2,299484E+22	2,010489E+22	1,699424E+22	1,492626E+22	1,492629E+22	1,699428E+22	2,010480E+22

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	2,299450E+22	2,488911E+22	2,571120E+22	2,571175E+22	2,489027E+22	2,299534E+22	2,010509E+22	1,699416E+22	1,492600E+22	1,492597E+22	1,699411E+22	2,010514E+22
566	2,299561E+22	2,489066E+22	2,571234E+22	2,571230E+22	2,489045E+22	2,299521E+22	2,010476E+22	1,699376E+22	1,492561E+22	1,492574E+22	1,699410E+22	2,010513E+22
567	2,299516E+22	2,488972E+22	2,571102E+22	2,571076E+22	2,488948E+22	2,299510E+22	2,010512E+22	1,699417E+22	1,492576E+22	1,492553E+22	1,699361E+22	2,010452E+22
568	2,299467E+22	2,488968E+22	2,571190E+22	2,571207E+22	2,489033E+22	2,299545E+22	2,010513E+22	1,699389E+22	1,492540E+22	1,492523E+22	1,699346E+22	2,010477E+22
569	2,299549E+22	2,489056E+22	2,571230E+22	2,571216E+22	2,489009E+22	2,299493E+22	2,010461E+22	1,699354E+22	1,492522E+22	1,492523E+22	1,699347E+22	2,010434E+22
570	2,299450E+22	2,488938E+22	2,571098E+22	2,571107E+22	2,488971E+22	2,299497E+22	2,010473E+22	1,699362E+22	1,492517E+22	1,492507E+22	1,699339E+22	2,010446E+22
571	2,299479E+22	2,489006E+22	2,571225E+22	2,571237E+22	2,489065E+22	2,299536E+22	2,010450E+22	1,699309E+22	1,492476E+22	1,492494E+22	1,699356E+22	2,010501E+22
572	2,299543E+22	2,489012E+22	2,571166E+22	2,571141E+22	2,488972E+22	2,299497E+22	2,010461E+22	1,699327E+22	1,492478E+22	1,492481E+22	1,699330E+22	2,010455E+22
573	2,299478E+22	2,488930E+22	2,571097E+22	2,571140E+22	2,489003E+22	2,299515E+22	2,010475E+22	1,699344E+22	1,492484E+22	1,492469E+22	1,699310E+22	2,010459E+22
574	2,299556E+22	2,489096E+22	2,571265E+22	2,571243E+22	2,489044E+22	2,299508E+22	2,010443E+22	1,699318E+22	1,492481E+22	1,492491E+22	1,699345E+22	2,010480E+22
575	2,299516E+22	2,489007E+22	2,571157E+22	2,571109E+22	2,488940E+22	2,299476E+22	2,010466E+22	1,699370E+22	1,492536E+22	1,492528E+22	1,699349E+22	2,010439E+22
576	2,299439E+22	2,488930E+22	2,571167E+22	2,571208E+22	2,489039E+22	2,299541E+22	2,010502E+22	1,699384E+22	1,492552E+22	1,492547E+22	1,699369E+22	2,010482E+22
577	2,299536E+22	2,489037E+22	2,571217E+22	2,571226E+22	2,489037E+22	2,299520E+22	2,010480E+22	1,699383E+22	1,492575E+22	1,492593E+22	1,699415E+22	2,010486E+22
578	2,299475E+22	2,488931E+22	2,571061E+22	2,571054E+22	2,488934E+22	2,299499E+22	2,010517E+22	1,699447E+22	1,492631E+22	1,492621E+22	1,699420E+22	2,010485E+22
579	2,299479E+22	2,488971E+22	2,571170E+22	2,571178E+22	2,489016E+22	2,299535E+22	2,010520E+22	1,699448E+22	1,492651E+22	1,492650E+22	1,699446E+22	2,010529E+22
580	2,299548E+22	2,489020E+22	2,571170E+22	2,571129E+22	2,488934E+22	2,299472E+22	2,010508E+22	1,699471E+22	1,492688E+22	1,492688E+22	1,699465E+22	2,010493E+22
581	2,299456E+22	2,488899E+22	2,571065E+22	2,571097E+22	2,488949E+22	2,299483E+22	2,010519E+22	1,699490E+22	1,492705E+22	1,492692E+22	1,699462E+22	2,010500E+22
582	2,299503E+22	2,489021E+22	2,571226E+22	2,571227E+22	2,489035E+22	2,299516E+22	2,010498E+22	1,699448E+22	1,492679E+22	1,492698E+22	1,699502E+22	2,010556E+22
583	2,299518E+22	2,488966E+22	2,571122E+22	2,571092E+22	2,488920E+22	2,299478E+22	2,010514E+22	1,699476E+22	1,492694E+22	1,492697E+22	1,699479E+22	2,010509E+22
584	2,299455E+22	2,488888E+22	2,571085E+22	2,571140E+22	2,488998E+22	2,299538E+22	2,010550E+22	1,699479E+22	1,492672E+22	1,492657E+22	1,699439E+22	2,010509E+22
585	2,299546E+22	2,489048E+22	2,571206E+22	2,571196E+22	2,489020E+22	2,299523E+22	2,010507E+22	1,699439E+22	1,492646E+22	1,492651E+22	1,699445E+22	2,010497E+22
586	2,299487E+22	2,488962E+22	2,571095E+22	2,571048E+22	2,488896E+22	2,299471E+22	2,010510E+22	1,699458E+22	1,492649E+22	1,492630E+22	1,699411E+22	2,010462E+22
587	2,299448E+22	2,488940E+22	2,571168E+22	2,571197E+22	2,489014E+22	2,299517E+22	2,010499E+22	1,699423E+22	1,492618E+22	1,492609E+22	1,699405E+22	2,010491E+22
588	2,299523E+22	2,489008E+22	2,571186E+22	2,571187E+22	2,488990E+22	2,299484E+22	2,010467E+22	1,699391E+22	1,492592E+22	1,492606E+22	1,699419E+22	2,010477E+22
589	2,299453E+22	2,488896E+22	2,571047E+22	2,571084E+22	2,488963E+22	2,299495E+22	2,010482E+22	1,699390E+22	1,492566E+22	1,492562E+22	1,699382E+22	2,010474E+22
590	2,299497E+22	2,489008E+22	2,571203E+22	2,571203E+22	2,489037E+22	2,299536E+22	2,010479E+22	1,699359E+22	1,492531E+22	1,492541E+22	1,699391E+22	2,010522E+22
591	2,299549E+22	2,489015E+22	2,571159E+22	2,571107E+22	2,488916E+22	2,299464E+22	2,010472E+22	1,699384E+22	1,492559E+22	1,492555E+22	1,699372E+22	2,010462E+22
592	2,299471E+22	2,488924E+22	2,571098E+22	2,571133E+22	2,488975E+22	2,299501E+22	2,010497E+22	1,699403E+22	1,492571E+22	1,492551E+22	1,699349E+22	2,010444E+22
593	2,299514E+22	2,489057E+22	2,571244E+22	2,571239E+22	2,489047E+22	2,299516E+22	2,010467E+22	1,699378E+22	1,492577E+22	1,492590E+22	1,699406E+22	2,010477E+22
594	2,299478E+22	2,488969E+22	2,571126E+22	2,571087E+22	2,488920E+22	2,299470E+22	2,010482E+22	1,699418E+22	1,492617E+22	1,492618E+22	1,699419E+22	2,010472E+22
595	2,299435E+22	2,488895E+22	2,571119E+22	2,571173E+22	2,489015E+22	2,299535E+22	2,010523E+22	1,699447E+22	1,492646E+22	1,492639E+22	1,699430E+22	2,010504E+22
596	2,299526E+22	2,489001E+22	2,571166E+22	2,571174E+22	2,488995E+22	2,299508E+22	2,010513E+22	1,699459E+22	1,492678E+22	1,492691E+22	1,699483E+22	2,010516E+22
597	2,299477E+22	2,488909E+22	2,571032E+22	2,571031E+22	2,488903E+22	2,299477E+22	2,010528E+22	1,699503E+22	1,492720E+22	1,492707E+22	1,699471E+22	2,010495E+22
598	2,299473E+22	2,488970E+22	2,571168E+22	2,571161E+22	2,488983E+22	2,299515E+22	2,010536E+22	1,699505E+22	1,492735E+22	1,492735E+22	1,699510E+22	2,010551E+22
599	2,299528E+22	2,488993E+22	2,571157E+22	2,571118E+22	2,488905E+22	2,299441E+22	2,010505E+22	1,699519E+22	1,492776E+22	1,492786E+22	1,699540E+22	2,010528E+22
600	2,299451E+22	2,488869E+22	2,571035E+22	2,571080E+22	2,488942E+22	2,299491E+22	2,010538E+22	1,699530E+22	1,492774E+22	1,492768E+22	1,699515E+22	2,010518E+22

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	2,299490E+22	2,488985E+22	2,571179E+22	2,571193E+22	2,489025E+22	2,299535E+22	2,010535E+22	1,699504E+22	1,492750E+22	1,492767E+22	1,699544E+22	2,010564E+22
602	2,299514E+22	2,488960E+22	2,571097E+22	2,571054E+22	2,488877E+22	2,299458E+22	2,010531E+22	1,699524E+22	1,492758E+22	1,492753E+22	1,699512E+22	2,010520E+22
603	2,299456E+22	2,488886E+22	2,571070E+22	2,571113E+22	2,488960E+22	2,299509E+22	2,010554E+22	1,699532E+22	1,492755E+22	1,492728E+22	1,699469E+22	2,010494E+22
604	2,299507E+22	2,489017E+22	2,571187E+22	2,571178E+22	2,488990E+22	2,299501E+22	2,010519E+22	1,699493E+22	1,492729E+22	1,492736E+22	1,699502E+22	2,010506E+22
605	2,299455E+22	2,488912E+22	2,571064E+22	2,571053E+22	2,488899E+22	2,299460E+22	2,010507E+22	1,699486E+22	1,492709E+22	1,492700E+22	1,699464E+22	2,010478E+22
606	2,299432E+22	2,488911E+22	2,571134E+22	2,571173E+22	2,489006E+22	2,299527E+22	2,010523E+22	1,699460E+22	1,492669E+22	1,492668E+22	1,699464E+22	2,010530E+22
607	2,299523E+22	2,488982E+22	2,571145E+22	2,571144E+22	2,488949E+22	2,299467E+22	2,010485E+22	1,699440E+22	1,492659E+22	1,492673E+22	1,699472E+22	2,010515E+22
608	2,299474E+22	2,488893E+22	2,571017E+22	2,571044E+22	2,488929E+22	2,299490E+22	2,010510E+22	1,699443E+22	1,492635E+22	1,492622E+22	1,699412E+22	2,010474E+22
609	2,299490E+22	2,489006E+22	2,571192E+22	2,571179E+22	2,489010E+22	2,299531E+22	2,010507E+22	1,699421E+22	1,492616E+22	1,492620E+22	1,699428E+22	2,010510E+22
610	2,299526E+22	2,489015E+22	2,571167E+22	2,571102E+22	2,488878E+22	2,299427E+22	2,010473E+22	1,699430E+22	1,492638E+22	1,492637E+22	1,699426E+22	2,010472E+22
611	2,299447E+22	2,488896E+22	2,571082E+22	2,571134E+22	2,488970E+22	2,299484E+22	2,010497E+22	1,699453E+22	1,492664E+22	1,492647E+22	1,699413E+22	2,010454E+22
612	2,299474E+22	2,489001E+22	2,571195E+22	2,571212E+22	2,489039E+22	2,299525E+22	2,010497E+22	1,699437E+22	1,492666E+22	1,492688E+22	1,699484E+22	2,010516E+22
613	2,299470E+22	2,488917E+22	2,571066E+22	2,571056E+22	2,488905E+22	2,299471E+22	2,010509E+22	1,699474E+22	1,492694E+22	1,492696E+22	1,699475E+22	2,010500E+22
614	2,299445E+22	2,488889E+22	2,571084E+22	2,571125E+22	2,488976E+22	2,299529E+22	2,010559E+22	1,699517E+22	1,492729E+22	1,492715E+22	1,699486E+22	2,010532E+22
615	2,299524E+22	2,488993E+22	2,571147E+22	2,571131E+22	2,488930E+22	2,299461E+22	2,010521E+22	1,699526E+22	1,492779E+22	1,492788E+22	1,699545E+22	2,010537E+22
616	2,299470E+22	2,488896E+22	2,571021E+22	2,571013E+22	2,488872E+22	2,299455E+22	2,010539E+22	1,699556E+22	1,492809E+22	1,492799E+22	1,699527E+22	2,010499E+22
617	2,299442E+22	2,488937E+22	2,571149E+22	2,571157E+22	2,488983E+22	2,299516E+22	2,010552E+22	1,699554E+22	1,492819E+22	1,492827E+22	1,699572E+22	2,010562E+22
618	2,299506E+22	2,488968E+22	2,571130E+22	2,571098E+22	2,488884E+22	2,299431E+22	2,010516E+22	1,699555E+22	1,492840E+22	1,492858E+22	1,699599E+22	2,010561E+22
619	2,299454E+22	2,488850E+22	2,571001E+22	2,571054E+22	2,488926E+22	2,299487E+22	2,010559E+22	1,699586E+22	1,492852E+22	1,492836E+22	1,699554E+22	2,010525E+22
620	2,299474E+22	2,488959E+22	2,571141E+22	2,571152E+22	2,488996E+22	2,299533E+22	2,010570E+22	1,699571E+22	1,492834E+22	1,492842E+22	1,699587E+22	2,010573E+22
621	2,299500E+22	2,488932E+22	2,571074E+22	2,571039E+22	2,488856E+22	2,299442E+22	2,010547E+22	1,699576E+22	1,492832E+22	1,492821E+22	1,699546E+22	2,010516E+22
622	2,299436E+22	2,488874E+22	2,571060E+22	2,571098E+22	2,488937E+22	2,299493E+22	2,010570E+22	1,699583E+22	1,492824E+22	1,492801E+22	1,699527E+22	2,010512E+22
623	2,299475E+22	2,488973E+22	2,571154E+22	2,571156E+22	2,488962E+22	2,299472E+22	2,010516E+22	1,699534E+22	1,492806E+22	1,492822E+22	1,699573E+22	2,010546E+22
624	2,299452E+22	2,488880E+22	2,571021E+22	2,571017E+22	2,488882E+22	2,299465E+22	2,010525E+22	1,699518E+22	1,492766E+22	1,492766E+22	1,699515E+22	2,010504E+22
625	2,299433E+22	2,488893E+22	2,571098E+22	2,571131E+22	2,488978E+22	2,299526E+22	2,010551E+22	1,699509E+22	1,492733E+22	1,492730E+22	1,699502E+22	2,010542E+22
626	2,299532E+22	2,488995E+22	2,571135E+22	2,571108E+22	2,488899E+22	2,299432E+22	2,010489E+22	1,699481E+22	1,492720E+22	1,492729E+22	1,699505E+22	2,010527E+22
627	2,299481E+22	2,488907E+22	2,571024E+22	2,571036E+22	2,488901E+22	2,299456E+22	2,010507E+22	1,699493E+22	1,492719E+22	1,492695E+22	1,699442E+22	2,010458E+22
628	2,299449E+22	2,488975E+22	2,571181E+22	2,571180E+22	2,489002E+22	2,299518E+22	2,010522E+22	1,699477E+22	1,492704E+22	1,492709E+22	1,699486E+22	2,010517E+22
629	2,299486E+22	2,488959E+22	2,571139E+22	2,571117E+22	2,488898E+22	2,299431E+22	2,010485E+22	1,699472E+22	1,492710E+22	1,492717E+22	1,699484E+22	2,010489E+22
630	2,299425E+22	2,488860E+22	2,571041E+22	2,571105E+22	2,488962E+22	2,299502E+22	2,010537E+22	1,699511E+22	1,492735E+22	1,492725E+22	1,699483E+22	2,010491E+22
631	2,299458E+22	2,488953E+22	2,571137E+22	2,571159E+22	2,488997E+22	2,299512E+22	2,010529E+22	1,699510E+22	1,492761E+22	1,492780E+22	1,699552E+22	2,010557E+22
632	2,299483E+22	2,488904E+22	2,571024E+22	2,570999E+22	2,488864E+22	2,299463E+22	2,010539E+22	1,699540E+22	1,492788E+22	1,492783E+22	1,699525E+22	2,010510E+22
633	2,299435E+22	2,488880E+22	2,571064E+22	2,571082E+22	2,488928E+22	2,299505E+22	2,010581E+22	1,699587E+22	1,492832E+22	1,492814E+22	1,699542E+22	2,010536E+22
634	2,299509E+22	2,488988E+22	2,571143E+22	2,571114E+22	2,488886E+22	2,299414E+22	2,010512E+22	1,699572E+22	1,492865E+22	1,492882E+22	1,699614E+22	2,010566E+22
635	2,299463E+22	2,488877E+22	2,571007E+22	2,571010E+22	2,488864E+22	2,299430E+22	2,010530E+22	1,699599E+22	1,492896E+22	1,492889E+22	1,699589E+22	2,010518E+22
636	2,299419E+22	2,488893E+22	2,571108E+22	2,571133E+22	2,488976E+22	2,299524E+22	2,010579E+22	1,699606E+22	1,492895E+22	1,492909E+22	1,699636E+22	2,010595E+22

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°
637	2,299503E+22	2,488931E+22	2,571093E+22	2,571081E+22	2,488876E+22	2,299433E+22	2,010543E+22	1,699605E+22	1,492902E+22	1,492914E+22	1,699632E+22	2,010570E+22
638	2,299454E+22	2,488850E+22	2,570983E+22	2,571018E+22	2,488897E+22	2,299485E+22	2,010595E+22	1,699650E+22	1,492923E+22	1,492899E+22	1,699593E+22	2,010529E+22
639	2,299447E+22	2,488934E+22	2,571124E+22	2,571122E+22	2,488952E+22	2,299501E+22	2,010584E+22	1,699636E+22	1,492927E+22	1,492927E+22	1,699636E+22	2,010579E+22
640	2,299477E+22	2,488904E+22	2,571051E+22	2,571018E+22	2,488840E+22	2,299434E+22	2,010558E+22	1,699623E+22	1,492912E+22	1,492903E+22	1,699597E+22	2,010517E+22
641	2,299400E+22	2,488832E+22	2,571027E+22	2,571076E+22	2,488929E+22	2,299493E+22	2,010587E+22	1,699629E+22	1,492899E+22	1,492882E+22	1,699584E+22	2,010533E+22
642	2,299467E+22	2,488947E+22	2,571119E+22	2,571119E+22	2,488928E+22	2,299450E+22	2,010521E+22	1,699566E+22	1,492860E+22	1,492884E+22	1,699629E+22	2,010588E+22
643	2,299471E+22	2,488872E+22	2,570996E+22	2,570987E+22	2,488856E+22	2,299443E+22	2,010531E+22	1,699565E+22	1,492834E+22	1,492824E+22	1,699550E+22	2,010517E+22
644	2,299430E+22	2,488884E+22	2,571079E+22	2,571101E+22	2,488951E+22	2,299515E+22	2,010569E+22	1,699561E+22	1,492806E+22	1,492798E+22	1,699543E+22	2,010553E+22
645	2,299521E+22	2,488980E+22	2,571133E+22	2,571109E+22	2,488884E+22	2,299413E+22	2,010496E+22	1,699523E+22	1,492786E+22	1,492792E+22	1,699537E+22	2,010522E+22
646	2,299459E+22	2,488897E+22	2,571026E+22	2,571038E+22	2,488897E+22	2,299451E+22	2,010523E+22	1,699543E+22	1,492790E+22	1,492772E+22	1,699503E+22	2,010473E+22
647	2,299408E+22	2,488918E+22	2,571143E+22	2,571161E+22	2,488991E+22	2,299508E+22	2,010532E+22	1,699529E+22	1,492791E+22	1,492801E+22	1,699556E+22	2,010552E+22
648	2,299476E+22	2,488913E+22	2,571079E+22	2,571067E+22	2,488886E+22	2,299451E+22	2,010520E+22	1,699526E+22	1,492787E+22	1,492796E+22	1,699541E+22	2,010515E+22
649	2,299420E+22	2,488831E+22	2,570993E+22	2,571045E+22	2,488924E+22	2,299500E+22	2,010578E+22	1,699584E+22	1,492825E+22	1,492806E+22	1,699532E+22	2,010511E+22
650	2,299467E+22	2,488952E+22	2,571110E+22	2,571102E+22	2,488928E+22	2,299465E+22	2,010534E+22	1,699568E+22	1,492849E+22	1,492862E+22	1,699604E+22	2,010579E+22
651	2,299488E+22	2,488909E+22	2,571024E+22	2,570979E+22	2,488820E+22	2,299414E+22	2,010532E+22	1,699600E+22	1,492889E+22	1,492877E+22	1,699576E+22	2,010509E+22
652	2,299404E+22	2,488853E+22	2,571054E+22	2,571077E+22	2,488912E+22	2,299482E+22	2,010584E+22	1,699639E+22	1,492924E+22	1,492915E+22	1,699613E+22	2,010557E+22
653	2,299481E+22	2,488941E+22	2,571123E+22	2,571122E+22	2,488896E+22	2,299414E+22	2,010519E+22	1,699610E+22	1,492935E+22	1,492959E+22	1,699669E+22	2,010588E+22
654	2,299453E+22	2,488855E+22	2,570985E+22	2,570993E+22	2,488863E+22	2,299448E+22	2,010568E+22	1,699654E+22	1,492962E+22	1,492959E+22	1,699648E+22	2,010546E+22
655	2,299404E+22	2,488852E+22	2,571063E+22	2,571094E+22	2,488948E+22	2,299518E+22	2,010614E+22	1,699680E+22	1,492987E+22	1,492988E+22	1,699685E+22	2,010616E+22
656	2,299504E+22	2,488916E+22	2,571058E+22	2,571033E+22	2,488853E+22	2,299443E+22	2,010580E+22	1,699674E+22	1,492992E+22	1,492993E+22	1,699670E+22	2,010565E+22
657	2,299428E+22	2,488831E+22	2,570969E+22	2,570984E+22	2,488860E+22	2,299471E+22	2,010623E+22	1,699720E+22	1,493020E+22	1,492990E+22	1,699642E+22	2,010528E+22
658	2,299421E+22	2,488904E+22	2,571104E+22	2,571098E+22	2,488914E+22	2,299460E+22	2,010574E+22	1,699677E+22	1,493007E+22	1,493016E+22	1,699704E+22	2,010611E+22
659	2,299469E+22	2,488874E+22	2,571023E+22	2,571001E+22	2,488826E+22	2,299409E+22	2,010547E+22	1,699658E+22	1,492986E+22	1,492984E+22	1,699658E+22	2,010547E+22
660	2,299392E+22	2,488793E+22	2,570981E+22	2,571037E+22	2,488908E+22	2,299489E+22	2,010602E+22	1,699667E+22	1,492960E+22	1,492951E+22	1,699643E+22	2,010574E+22
661	2,299480E+22	2,488927E+22	2,571095E+22	2,571097E+22	2,488907E+22	2,299437E+22	2,010532E+22	1,699601E+22	1,492908E+22	1,492927E+22	1,699654E+22	2,010602E+22
662	2,299487E+22	2,488891E+22	2,571004E+22	2,570966E+22	2,488827E+22	2,299429E+22	2,010547E+22	1,699608E+22	1,492888E+22	1,492875E+22	1,699581E+22	2,010515E+22
663	2,299406E+22	2,488863E+22	2,571075E+22	2,571089E+22	2,488923E+22	2,299489E+22	2,010577E+22	1,699614E+22	1,492886E+22	1,492872E+22	1,699582E+22	2,010552E+22
664	2,299496E+22	2,488951E+22	2,571115E+22	2,571100E+22	2,488894E+22	2,299426E+22	2,010512E+22	1,699566E+22	1,492859E+22	1,492867E+22	1,699580E+22	2,010517E+22
665	2,299417E+22	2,488849E+22	2,570993E+22	2,571011E+22	2,488894E+22	2,299466E+22	2,010556E+22	1,699601E+22	1,492872E+22	1,492856E+22	1,699556E+22	2,010491E+22
666	2,299394E+22	2,488873E+22	2,571091E+22	2,571112E+22	2,488955E+22	2,299496E+22	2,010554E+22	1,699584E+22	1,492868E+22	1,492879E+22	1,699616E+22	2,010589E+22
667	2,299488E+22	2,488895E+22	2,571040E+22	2,571020E+22	2,488847E+22	2,299424E+22	2,010535E+22	1,699595E+22	1,492883E+22	1,492879E+22	1,699590E+22	2,010530E+22
668	2,299415E+22	2,488814E+22	2,570964E+22	2,570997E+22	2,488876E+22	2,299474E+22	2,010596E+22	1,699651E+22	1,492923E+22	1,492901E+22	1,699593E+22	2,010531E+22
669	2,299458E+22	2,488934E+22	2,571110E+22	2,571093E+22	2,488893E+22	2,299429E+22	2,010534E+22	1,699617E+22	1,492932E+22	1,492947E+22	1,699658E+22	2,010590E+22
670	2,299475E+22	2,488899E+22	2,571031E+22	2,570982E+22	2,488810E+22	2,299396E+22	2,010536E+22	1,699643E+22	1,492966E+22	1,492969E+22	1,699650E+22	2,010534E+22
671	2,299375E+22	2,488804E+22	2,571022E+22	2,571062E+22	2,488907E+22	2,299477E+22	2,010594E+22	1,699688E+22	1,493011E+22	1,493009E+22	1,699685E+22	2,010595E+22
672	2,299482E+22	2,488909E+22	2,571074E+22	2,571080E+22	2,488897E+22	2,299444E+22	2,010558E+22	1,699665E+22	1,493011E+22	1,493034E+22	1,699718E+22	2,010602E+22

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	2,299446E+22	2,488834E+22	2,570954E+22	2,570948E+22	2,488836E+22	2,299456E+22	2,010616E+22	1,699734E+22	1,493056E+22	1,493037E+22	1,699685E+22	2,010553E+22
674	2,299402E+22	2,488838E+22	2,571038E+22	2,571051E+22	2,488895E+22	2,299484E+22	2,010627E+22	1,699744E+22	1,493079E+22	1,493072E+22	1,699730E+22	2,010624E+22
675	2,299492E+22	2,488900E+22	2,571048E+22	2,571016E+22	2,488819E+22	2,299404E+22	2,010581E+22	1,699737E+22	1,493090E+22	1,493085E+22	1,699721E+22	2,010564E+22
676	2,299391E+22	2,488788E+22	2,570944E+22	2,570968E+22	2,488843E+22	2,299456E+22	2,010628E+22	1,699766E+22	1,493103E+22	1,493084E+22	1,699715E+22	2,010558E+22
677	2,299400E+22	2,488855E+22	2,571071E+22	2,571082E+22	2,488901E+22	2,299453E+22	2,010577E+22	1,699703E+22	1,493060E+22	1,493079E+22	1,699757E+22	2,010642E+22
678	2,299477E+22	2,488860E+22	2,571001E+22	2,570975E+22	2,488810E+22	2,299411E+22	2,010568E+22	1,699693E+22	1,493033E+22	1,493041E+22	1,699710E+22	2,010577E+22
679	2,299396E+22	2,488774E+22	2,570950E+22	2,571001E+22	2,488875E+22	2,299471E+22	2,010613E+22	1,699715E+22	1,493027E+22	1,493011E+22	1,699679E+22	2,010590E+22
680	2,299492E+22	2,488929E+22	2,571074E+22	2,571058E+22	2,488887E+22	2,299443E+22	2,010552E+22	1,699648E+22	1,492975E+22	1,492985E+22	1,699676E+22	2,010587E+22
681	2,299462E+22	2,488881E+22	2,571010E+22	2,570957E+22	2,488806E+22	2,299420E+22	2,010571E+22	1,699668E+22	1,492969E+22	1,492948E+22	1,699614E+22	2,010509E+22
682	2,299379E+22	2,488827E+22	2,571054E+22	2,571077E+22	2,488901E+22	2,299462E+22	2,010573E+22	1,699655E+22	1,492961E+22	1,492953E+22	1,699639E+22	2,010569E+22
683	2,299477E+22	2,488910E+22	2,571081E+22	2,571080E+22	2,488884E+22	2,299418E+22	2,010522E+22	1,699616E+22	1,492939E+22	1,492948E+22	1,699637E+22	2,010537E+22
684	2,299400E+22	2,488802E+22	2,570941E+22	2,570963E+22	2,488863E+22	2,299466E+22	2,010585E+22	1,699657E+22	1,492951E+22	1,492939E+22	1,699621E+22	2,010525E+22
685	2,299397E+22	2,488846E+22	2,571056E+22	2,571069E+22	2,488911E+22	2,299474E+22	2,010568E+22	1,699636E+22	1,492942E+22	1,492947E+22	1,699656E+22	2,010604E+22
686	2,299499E+22	2,488904E+22	2,571040E+22	2,570993E+22	2,488806E+22	2,299398E+22	2,010545E+22	1,699647E+22	1,492963E+22	1,492964E+22	1,699646E+22	2,010540E+22
687	2,299394E+22	2,488789E+22	2,570955E+22	2,570986E+22	2,488843E+22	2,299437E+22	2,010592E+22	1,699705E+22	1,493020E+22	1,493000E+22	1,699657E+22	2,010549E+22
688	2,299443E+22	2,488907E+22	2,571086E+22	2,571081E+22	2,488901E+22	2,299440E+22	2,010547E+22	1,699663E+22	1,493015E+22	1,493037E+22	1,699718E+22	2,010601E+22
689	2,299448E+22	2,488861E+22	2,571009E+22	2,570968E+22	2,488809E+22	2,299416E+22	2,010574E+22	1,699706E+22	1,493052E+22	1,493054E+22	1,699707E+22	2,010559E+22
690	2,299372E+22	2,488766E+22	2,570976E+22	2,571023E+22	2,488879E+22	2,299473E+22	2,010623E+22	1,699750E+22	1,493095E+22	1,493091E+22	1,699742E+22	2,010623E+22
691	2,299490E+22	2,488895E+22	2,571043E+22	2,571042E+22	2,488867E+22	2,299432E+22	2,010587E+22	1,699743E+22	1,493111E+22	1,493119E+22	1,699762E+22	2,010607E+22
692	2,299429E+22	2,488810E+22	2,570925E+22	2,570905E+22	2,488792E+22	2,299443E+22	2,010645E+22	1,699808E+22	1,493159E+22	1,493136E+22	1,699747E+22	2,010566E+22
693	2,299378E+22	2,488804E+22	2,571024E+22	2,571038E+22	2,488860E+22	2,299453E+22	2,010631E+22	1,699796E+22	1,493163E+22	1,493158E+22	1,699787E+22	2,010636E+22
694	2,299476E+22	2,488879E+22	2,571037E+22	2,571008E+22	2,488803E+22	2,299384E+22	2,010578E+22	1,699770E+22	1,493160E+22	1,493173E+22	1,699797E+22	2,010594E+22
695	2,299371E+22	2,488737E+22	2,570897E+22	2,570937E+22	2,488821E+22	2,299442E+22	2,010630E+22	1,699802E+22	1,493170E+22	1,493162E+22	1,699780E+22	2,010601E+22
696	2,299418E+22	2,488839E+22	2,571024E+22	2,571033E+22	2,488885E+22	2,299467E+22	2,010600E+22	1,699740E+22	1,493112E+22	1,493131E+22	1,699790E+22	2,010654E+22
697	2,299482E+22	2,488862E+22	2,570990E+22	2,570942E+22	2,488775E+22	2,299404E+22	2,010596E+22	1,699749E+22	1,493100E+22	1,493091E+22	1,699727E+22	2,010575E+22
698	2,299399E+22	2,488775E+22	2,570945E+22	2,570978E+22	2,488832E+22	2,299438E+22	2,010614E+22	1,699758E+22	1,493097E+22	1,493074E+22	1,699706E+22	2,010582E+22
699	2,299474E+22	2,488920E+22	2,571079E+22	2,571062E+22	2,488871E+22	2,299418E+22	2,010554E+22	1,699699E+22	1,493055E+22	1,493059E+22	1,699711E+22	2,010571E+22
700	2,299413E+22	2,488832E+22	2,570984E+22	2,570952E+22	2,488804E+22	2,299423E+22	2,010587E+22	1,699715E+22	1,493047E+22	1,493033E+22	1,699677E+22	2,010527E+22
701	2,299346E+22	2,488767E+22	2,571012E+22	2,571059E+22	2,488891E+22	2,299466E+22	2,010592E+22	1,699695E+22	1,493022E+22	1,493020E+22	1,699691E+22	2,010593E+22
702	2,299473E+22	2,488881E+22	2,571045E+22	2,571047E+22	2,488859E+22	2,299418E+22	2,010549E+22	1,699664E+22	1,493006E+22	1,493024E+22	1,699699E+22	2,010565E+22
703	2,299396E+22	2,488772E+22	2,570897E+22	2,570916E+22	2,488818E+22	2,299444E+22	2,010602E+22	1,699718E+22	1,493040E+22	1,493024E+22	1,699678E+22	2,010552E+22
704	2,299410E+22	2,488847E+22	2,571028E+22	2,571021E+22	2,488875E+22	2,299467E+22	2,010586E+22	1,699692E+22	1,493027E+22	1,493031E+22	1,699704E+22	2,010606E+22
705	2,299481E+22	2,488895E+22	2,571043E+22	2,570985E+22	2,488778E+22	2,299378E+22	2,010560E+22	1,699708E+22	1,493058E+22	1,493057E+22	1,699702E+22	2,010555E+22
706	2,299384E+22	2,488759E+22	2,570932E+22	2,570976E+22	2,488825E+22	2,299413E+22	2,010585E+22	1,699745E+22	1,493103E+22	1,493095E+22	1,699729E+22	2,010582E+22
707	2,299440E+22	2,488876E+22	2,571053E+22	2,571061E+22	2,488891E+22	2,299439E+22	2,010568E+22	1,699720E+22	1,493099E+22	1,493122E+22	1,699778E+22	2,010625E+22
708	2,299438E+22	2,488826E+22	2,570967E+22	2,570932E+22	2,488784E+22	2,299424E+22	2,010616E+22	1,699776E+22	1,493140E+22	1,493140E+22	1,699767E+22	2,010585E+22

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	2,299369E+22	2,488744E+22	2,570949E+22	2,570986E+22	2,488835E+22	2,299455E+22	2,010648E+22	1,699815E+22	1,493179E+22	1,493164E+22	1,699780E+22	2,010623E+22
710	2,299479E+22	2,488892E+22	2,571041E+22	2,571021E+22	2,488829E+22	2,299411E+22	2,010604E+22	1,699801E+22	1,493201E+22	1,493212E+22	1,699820E+22	2,010607E+22
711	2,299393E+22	2,488770E+22	2,570902E+22	2,570890E+22	2,488761E+22	2,299411E+22	2,010646E+22	1,699862E+22	1,493254E+22	1,493236E+22	1,699815E+22	2,010585E+22
712	2,299361E+22	2,488767E+22	2,570976E+22	2,571005E+22	2,488854E+22	2,299459E+22	2,010642E+22	1,699836E+22	1,493237E+22	1,493240E+22	1,699845E+22	2,010652E+22
713	2,299456E+22	2,488845E+22	2,571005E+22	2,570984E+22	2,488788E+22	2,299391E+22	2,010608E+22	1,699821E+22	1,493230E+22	1,493241E+22	1,699846E+22	2,010626E+22
714	2,299384E+22	2,488716E+22	2,570857E+22	2,570899E+22	2,488785E+22	2,299419E+22	2,010638E+22	1,699843E+22	1,493234E+22	1,493224E+22	1,699824E+22	2,010626E+22
715	2,299434E+22	2,488844E+22	2,571010E+22	2,571005E+22	2,488850E+22	2,299446E+22	2,010618E+22	1,699798E+22	1,493185E+22	1,493192E+22	1,699819E+22	2,010649E+22
716	2,299464E+22	2,488851E+22	2,570986E+22	2,570929E+22	2,488745E+22	2,299391E+22	2,010615E+22	1,699802E+22	1,493177E+22	1,493166E+22	1,699770E+22	2,010573E+22
717	2,299365E+22	2,488746E+22	2,570943E+22	2,570982E+22	2,488814E+22	2,299416E+22	2,010616E+22	1,699796E+22	1,493162E+22	1,493142E+22	1,699749E+22	2,010580E+22
718	2,299441E+22	2,488887E+22	2,571062E+22	2,571064E+22	2,488876E+22	2,299419E+22	2,010561E+22	1,699728E+22	1,493118E+22	1,493140E+22	1,699777E+22	2,010590E+22
719	2,299385E+22	2,488773E+22	2,570924E+22	2,570917E+22	2,488787E+22	2,299424E+22	2,010606E+22	1,699759E+22	1,493118E+22	1,493113E+22	1,699743E+22	2,010568E+22
720	2,299359E+22	2,488742E+22	2,570944E+22	2,570996E+22	2,488866E+22	2,299478E+22	2,010625E+22	1,699749E+22	1,493091E+22	1,493085E+22	1,699734E+22	2,010611E+22
721	2,299475E+22	2,488878E+22	2,571023E+22	2,571005E+22	2,488813E+22	2,299401E+22	2,010579E+22	1,699733E+22	1,493091E+22	1,493094E+22	1,699737E+22	2,010580E+22
722	2,299404E+22	2,488768E+22	2,570884E+22	2,570887E+22	2,488765E+22	2,299398E+22	2,010596E+22	1,699766E+22	1,493125E+22	1,493110E+22	1,699731E+22	2,010564E+22
723	2,299403E+22	2,488844E+22	2,571031E+22	2,571020E+22	2,488849E+22	2,299434E+22	2,010588E+22	1,699745E+22	1,493115E+22	1,493121E+22	1,699761E+22	2,010611E+22
724	2,299447E+22	2,488858E+22	2,571020E+22	2,570979E+22	2,488774E+22	2,299381E+22	2,010578E+22	1,699757E+22	1,493140E+22	1,493150E+22	1,699774E+22	2,010582E+22
725	2,299360E+22	2,488719E+22	2,570903E+22	2,570960E+22	2,488815E+22	2,299418E+22	2,010612E+22	1,699795E+22	1,493174E+22	1,493167E+22	1,699781E+22	2,010602E+22
726	2,299436E+22	2,488858E+22	2,571027E+22	2,571038E+22	2,488874E+22	2,299443E+22	2,010600E+22	1,699779E+22	1,493181E+22	1,493206E+22	1,699833E+22	2,010638E+22
727	2,299421E+22	2,488792E+22	2,570922E+22	2,570889E+22	2,488746E+22	2,299410E+22	2,010646E+22	1,699852E+22	1,493244E+22	1,493235E+22	1,699824E+22	2,010601E+22
728	2,299364E+22	2,488729E+22	2,570909E+22	2,570941E+22	2,488806E+22	2,299451E+22	2,010675E+22	1,699883E+22	1,493276E+22	1,493257E+22	1,699833E+22	2,010622E+22
729	2,299442E+22	2,488862E+22	2,571028E+22	2,571009E+22	2,488801E+22	2,299389E+22	2,010621E+22	1,699867E+22	1,493299E+22	1,493308E+22	1,699884E+22	2,010631E+22
730	2,299379E+22	2,488728E+22	2,570861E+22	2,570865E+22	2,488735E+22	2,299383E+22	2,010637E+22	1,699897E+22	1,493333E+22	1,493329E+22	1,699891E+22	2,010627E+22
731	2,299367E+22	2,488747E+22	2,570941E+22	2,570970E+22	2,488824E+22	2,299444E+22	2,010657E+22	1,699883E+22	1,493305E+22	1,493313E+22	1,699900E+22	2,010679E+22
732	2,299457E+22	2,488826E+22	2,570971E+22	2,570947E+22	2,488758E+22	2,299385E+22	2,010632E+22	1,699873E+22	1,493298E+22	1,493307E+22	1,699891E+22	2,010646E+22
733	2,299384E+22	2,488717E+22	2,570853E+22	2,570878E+22	2,488749E+22	2,299395E+22	2,010647E+22	1,699886E+22	1,493293E+22	1,493274E+22	1,699845E+22	2,010620E+22
734	2,299421E+22	2,488848E+22	2,571023E+22	2,571008E+22	2,488832E+22	2,299428E+22	2,010624E+22	1,699834E+22	1,493251E+22	1,493264E+22	1,699858E+22	2,010637E+22
735	2,299419E+22	2,488808E+22	2,570965E+22	2,570931E+22	2,488741E+22	2,299380E+22	2,010624E+22	1,699847E+22	1,493252E+22	1,493246E+22	1,699825E+22	2,010585E+22
736	2,299340E+22	2,488704E+22	2,570888E+22	2,570953E+22	2,488824E+22	2,299440E+22	2,010642E+22	1,699838E+22	1,493226E+22	1,493211E+22	1,699799E+22	2,010592E+22
737	2,299410E+22	2,488843E+22	2,571020E+22	2,571034E+22	2,488862E+22	2,299432E+22	2,010602E+22	1,699788E+22	1,493189E+22	1,493205E+22	1,699824E+22	2,010624E+22
738	2,299396E+22	2,488746E+22	2,570871E+22	2,570865E+22	2,488744E+22	2,299400E+22	2,010618E+22	1,699810E+22	1,493193E+22	1,493186E+22	1,699796E+22	2,010600E+22
739	2,299379E+22	2,488750E+22	2,570921E+22	2,570947E+22	2,488808E+22	2,299443E+22	2,010643E+22	1,699813E+22	1,493176E+22	1,493162E+22	1,699779E+22	2,010619E+22
740	2,299464E+22	2,488873E+22	2,571018E+22	2,570985E+22	2,488772E+22	2,299372E+22	2,010591E+22	1,699790E+22	1,493179E+22	1,493184E+22	1,699798E+22	2,010595E+22
741	2,299381E+22	2,488754E+22	2,570890E+22	2,570891E+22	2,488741E+22	2,299361E+22	2,010585E+22	1,699801E+22	1,493195E+22	1,493188E+22	1,699786E+22	2,010578E+22
742	2,299382E+22	2,488819E+22	2,571020E+22	2,571025E+22	2,488853E+22	2,299432E+22	2,010592E+22	1,699774E+22	1,493184E+22	1,493209E+22	1,699830E+22	2,010634E+22
743	2,299425E+22	2,488809E+22	2,570972E+22	2,570956E+22	2,488766E+22	2,299387E+22	2,010607E+22	1,699812E+22	1,493219E+22	1,493232E+22	1,699836E+22	2,010613E+22
744	2,299366E+22	2,488698E+22	2,570844E+22	2,570904E+22	2,488795E+22	2,299432E+22	2,010655E+22	1,699866E+22	1,493259E+22	1,493242E+22	1,699821E+22	2,010604E+22

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	2,299415E+22	2,488841E+22	2,571008E+22	2,571006E+22	2,488838E+22	2,299434E+22	2,010641E+22	1,699865E+22	1,493285E+22	1,493289E+22	1,699874E+22	2,010644E+22
746	2,299409E+22	2,488767E+22	2,570895E+22	2,570860E+22	2,488701E+22	2,299368E+22	2,010648E+22	1,699915E+22	1,493348E+22	1,493339E+22	1,699890E+22	2,010615E+22
747	2,299344E+22	2,488705E+22	2,570887E+22	2,570920E+22	2,488773E+22	2,299420E+22	2,010684E+22	1,699945E+22	1,493372E+22	1,493358E+22	1,699904E+22	2,010640E+22
748	2,299410E+22	2,488814E+22	2,570989E+22	2,570985E+22	2,488786E+22	2,299386E+22	2,010639E+22	1,699916E+22	1,493381E+22	1,493401E+22	1,699962E+22	2,010670E+22
749	2,299368E+22	2,488698E+22	2,570833E+22	2,570836E+22	2,488708E+22	2,299371E+22	2,010650E+22	1,699935E+22	1,493391E+22	1,493392E+22	1,699941E+22	2,010657E+22
750	2,299378E+22	2,488745E+22	2,570927E+22	2,570949E+22	2,488803E+22	2,299435E+22	2,010671E+22	1,699922E+22	1,493370E+22	1,493381E+22	1,699944E+22	2,010692E+22
751	2,299451E+22	2,488812E+22	2,570947E+22	2,570920E+22	2,488732E+22	2,299373E+22	2,010652E+22	1,699928E+22	1,493376E+22	1,493378E+22	1,699931E+22	2,010653E+22
752	2,299378E+22	2,488711E+22	2,570832E+22	2,570856E+22	2,488738E+22	2,299394E+22	2,010669E+22	1,699939E+22	1,493368E+22	1,493343E+22	1,699879E+22	2,010608E+22
753	2,299378E+22	2,488814E+22	2,571016E+22	2,571013E+22	2,488829E+22	2,299423E+22	2,010644E+22	1,699891E+22	1,493330E+22	1,493334E+22	1,699903E+22	2,010654E+22
754	2,299398E+22	2,488755E+22	2,570915E+22	2,570904E+22	2,488728E+22	2,299368E+22	2,010629E+22	1,699885E+22	1,493322E+22	1,493325E+22	1,699889E+22	2,010621E+22
755	2,299344E+22	2,488680E+22	2,570843E+22	2,570902E+22	2,488785E+22	2,299430E+22	2,010671E+22	1,699893E+22	1,493292E+22	1,493278E+22	1,699850E+22	2,010618E+22
756	2,299409E+22	2,488821E+22	2,570979E+22	2,570981E+22	2,488815E+22	2,299415E+22	2,010627E+22	1,699847E+22	1,493263E+22	1,493274E+22	1,699872E+22	2,010644E+22
757	2,299395E+22	2,488751E+22	2,570870E+22	2,570833E+22	2,488693E+22	2,299358E+22	2,010616E+22	1,699852E+22	1,493260E+22	1,493249E+22	1,699830E+22	2,010603E+22
758	2,299372E+22	2,488758E+22	2,570941E+22	2,570952E+22	2,488784E+22	2,299405E+22	2,010628E+22	1,699842E+22	1,493249E+22	1,493246E+22	1,699829E+22	2,010617E+22
759	2,299428E+22	2,488834E+22	2,570998E+22	2,570985E+22	2,488769E+22	2,299358E+22	2,010593E+22	1,699831E+22	1,493257E+22	1,493270E+22	1,699859E+22	2,010617E+22
760	2,299364E+22	2,488718E+22	2,570845E+22	2,570871E+22	2,488758E+22	2,299385E+22	2,010614E+22	1,699848E+22	1,493264E+22	1,493260E+22	1,699836E+22	2,010591E+22
761	2,299355E+22	2,488778E+22	2,570988E+22	2,571005E+22	2,488847E+22	2,299448E+22	2,010640E+22	1,699848E+22	1,493267E+22	1,493277E+22	1,699874E+22	2,010660E+22
762	2,299425E+22	2,488775E+22	2,570921E+22	2,570908E+22	2,488734E+22	2,299374E+22	2,010634E+22	1,699884E+22	1,493316E+22	1,493322E+22	1,699892E+22	2,010635E+22
763	2,299368E+22	2,488694E+22	2,570819E+22	2,570851E+22	2,488739E+22	2,299410E+22	2,010690E+22	1,699948E+22	1,493364E+22	1,493339E+22	1,699877E+22	2,010609E+22
764	2,299383E+22	2,488808E+22	2,570984E+22	2,570976E+22	2,488798E+22	2,299408E+22	2,010661E+22	1,699937E+22	1,493394E+22	1,493400E+22	1,699950E+22	2,010663E+22
765	2,299378E+22	2,488735E+22	2,570881E+22	2,570844E+22	2,488674E+22	2,299332E+22	2,010638E+22	1,699956E+22	1,493432E+22	1,493434E+22	1,699963E+22	2,010648E+22
766	2,299336E+22	2,488678E+22	2,570863E+22	2,570903E+22	2,488760E+22	2,299405E+22	2,010680E+22	1,699972E+22	1,493445E+22	1,493451E+22	1,699979E+22	2,010679E+22
767	2,299407E+22	2,488777E+22	2,570940E+22	2,570945E+22	2,488763E+22	2,299383E+22	2,010662E+22	1,699966E+22	1,493451E+22	1,493475E+22	1,700020E+22	2,010710E+22
768	2,299391E+22	2,488698E+22	2,570798E+22	2,570792E+22	2,488687E+22	2,299372E+22	2,010679E+22	1,699991E+22	1,493458E+22	1,493447E+22	1,699967E+22	2,010656E+22
769	2,299366E+22	2,488745E+22	2,570933E+22	2,570939E+22	2,488779E+22	2,299424E+22	2,010700E+22	1,699989E+22	1,493450E+22	1,493440E+22	1,699967E+22	2,010690E+22
770	2,299435E+22	2,488791E+22	2,570936E+22	2,570911E+22	2,488714E+22	2,299346E+22	2,010653E+22	1,699976E+22	1,493457E+22	1,493459E+22	1,699977E+22	2,010654E+22
771	2,299352E+22	2,488685E+22	2,570815E+22	2,570837E+22	2,488721E+22	2,299385E+22	2,010688E+22	1,699993E+22	1,493445E+22	1,493422E+22	1,699932E+22	2,010614E+22
772	2,299336E+22	2,488754E+22	2,570971E+22	2,570987E+22	2,488823E+22	2,299433E+22	2,010673E+22	1,699943E+22	1,493404E+22	1,493412E+22	1,699964E+22	2,010680E+22
773	2,299382E+22	2,488723E+22	2,570882E+22	2,570864E+22	2,488695E+22	2,299349E+22	2,010639E+22	1,699926E+22	1,493381E+22	1,493383E+22	1,699932E+22	2,010648E+22
774	2,299353E+22	2,488673E+22	2,570822E+22	2,570865E+22	2,488749E+22	2,299405E+22	2,010673E+22	1,699931E+22	1,493362E+22	1,493351E+22	1,699896E+22	2,010633E+22
775	2,299405E+22	2,488806E+22	2,570957E+22	2,570944E+22	2,488776E+22	2,299390E+22	2,010637E+22	1,699896E+22	1,493341E+22	1,493351E+22	1,699921E+22	2,010661E+22
776	2,299393E+22	2,488745E+22	2,570858E+22	2,570817E+22	2,488677E+22	2,299340E+22	2,010620E+22	1,699894E+22	1,493331E+22	1,493320E+22	1,699872E+22	2,010602E+22
777	2,299338E+22	2,488729E+22	2,570940E+22	2,570963E+22	2,488789E+22	2,299400E+22	2,010639E+22	1,699890E+22	1,493323E+22	1,493317E+22	1,699880E+22	2,010644E+22
778	2,299417E+22	2,488788E+22	2,570953E+22	2,570961E+22	2,488768E+22	2,299357E+22	2,010602E+22	1,699871E+22	1,493330E+22	1,493351E+22	1,699922E+22	2,010651E+22
779	2,299370E+22	2,488698E+22	2,570806E+22	2,570822E+22	2,488724E+22	2,299388E+22	2,010659E+22	1,699919E+22	1,493346E+22	1,493336E+22	1,699886E+22	2,010609E+22
780	2,299342E+22	2,488745E+22	2,570947E+22	2,570958E+22	2,488810E+22	2,299442E+22	2,010682E+22	1,699930E+22	1,493367E+22	1,493365E+22	1,699924E+22	2,010668E+22

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	2,299407E+22	2,488764E+22	2,570912E+22	2,570872E+22	2,488684E+22	2,299339E+22	2,010643E+22	1,699947E+22	1,493411E+22	1,493411E+22	1,699942E+22	2,010640E+22
782	2,299349E+22	2,488680E+22	2,570819E+22	2,570840E+22	2,488710E+22	2,299376E+22	2,010684E+22	1,699995E+22	1,493462E+22	1,493449E+22	1,699949E+22	2,010623E+22
783	2,299351E+22	2,488758E+22	2,570945E+22	2,570951E+22	2,488783E+22	2,299396E+22	2,010670E+22	1,699988E+22	1,493484E+22	1,493501E+22	1,700029E+22	2,010702E+22
784	2,299375E+22	2,488700E+22	2,570833E+22	2,570813E+22	2,488671E+22	2,299341E+22	2,010661E+22	1,700004E+22	1,493505E+22	1,493511E+22	1,700020E+22	2,010675E+22
785	2,299332E+22	2,488656E+22	2,570841E+22	2,570885E+22	2,488747E+22	2,299406E+22	2,010712E+22	1,700036E+22	1,493521E+22	1,493514E+22	1,700022E+22	2,010711E+22
786	2,299422E+22	2,488761E+22	2,570904E+22	2,570904E+22	2,488734E+22	2,299367E+22	2,010679E+22	1,700026E+22	1,493536E+22	1,493552E+22	1,700064E+22	2,010725E+22
787	2,299397E+22	2,488708E+22	2,570799E+22	2,570761E+22	2,488644E+22	2,299357E+22	2,010712E+22	1,700061E+22	1,493545E+22	1,493526E+22	1,700007E+22	2,010649E+22
788	2,299329E+22	2,488711E+22	2,570924E+22	2,570931E+22	2,488757E+22	2,299408E+22	2,010718E+22	1,700051E+22	1,493540E+22	1,493528E+22	1,700019E+22	2,010687E+22
789	2,299392E+22	2,488752E+22	2,570919E+22	2,570901E+22	2,488702E+22	2,299329E+22	2,010649E+22	1,700010E+22	1,493526E+22	1,493535E+22	1,700033E+22	2,010674E+22
790	2,299335E+22	2,488649E+22	2,570785E+22	2,570814E+22	2,488710E+22	2,299380E+22	2,010687E+22	1,700016E+22	1,493506E+22	1,493501E+22	1,699992E+22	2,010642E+22
791	2,299328E+22	2,488706E+22	2,570907E+22	2,570928E+22	2,488789E+22	2,299427E+22	2,010695E+22	1,699991E+22	1,493468E+22	1,493477E+22	1,700014E+22	2,010714E+22
792	2,299402E+22	2,488715E+22	2,570842E+22	2,570816E+22	2,488663E+22	2,299337E+22	2,010656E+22	1,699974E+22	1,493445E+22	1,493437E+22	1,699959E+22	2,010650E+22
793	2,299347E+22	2,488673E+22	2,570830E+22	2,570857E+22	2,488718E+22	2,299377E+22	2,010680E+22	1,699982E+22	1,493433E+22	1,493410E+22	1,699927E+22	2,010642E+22
794	2,299396E+22	2,488784E+22	2,570945E+22	2,570935E+22	2,488756E+22	2,299359E+22	2,010628E+22	1,699934E+22	1,493416E+22	1,493431E+22	1,699974E+22	2,010672E+22
795	2,299379E+22	2,488727E+22	2,570850E+22	2,570804E+22	2,488664E+22	2,299340E+22	2,010641E+22	1,699940E+22	1,493400E+22	1,493396E+22	1,699925E+22	2,010613E+22
796	2,299306E+22	2,488677E+22	2,570902E+22	2,570941E+22	2,488786E+22	2,299417E+22	2,010675E+22	1,699948E+22	1,493400E+22	1,493395E+22	1,699933E+22	2,010659E+22
797	2,299402E+22	2,488762E+22	2,570922E+22	2,570924E+22	2,488744E+22	2,299353E+22	2,010626E+22	1,699928E+22	1,493406E+22	1,493422E+22	1,699966E+22	2,010668E+22
798	2,299372E+22	2,488687E+22	2,570786E+22	2,570785E+22	2,488689E+22	2,299372E+22	2,010674E+22	1,699980E+22	1,493444E+22	1,493431E+22	1,699939E+22	2,010618E+22
799	2,299325E+22	2,488711E+22	2,570911E+22	2,570914E+22	2,488767E+22	2,299423E+22	2,010706E+22	1,700004E+22	1,493473E+22	1,493468E+22	1,699990E+22	2,010687E+22
800	2,299395E+22	2,488737E+22	2,570886E+22	2,570852E+22	2,488662E+22	2,299315E+22	2,010652E+22	1,700007E+22	1,493507E+22	1,493509E+22	1,700007E+22	2,010655E+22
801	2,299321E+22	2,488642E+22	2,570803E+22	2,570837E+22	2,488701E+22	2,299363E+22	2,010691E+22	1,700048E+22	1,493549E+22	1,493538E+22	1,700021E+22	2,010669E+22
802	2,299354E+22	2,488717E+22	2,570895E+22	2,570912E+22	2,488760E+22	2,299386E+22	2,010679E+22	1,700032E+22	1,493564E+22	1,493591E+22	1,700101E+22	2,010747E+22
803	2,299398E+22	2,488699E+22	2,570807E+22	2,570762E+22	2,488624E+22	2,299335E+22	2,010699E+22	1,700068E+22	1,493583E+22	1,493584E+22	1,700066E+22	2,010691E+22
804	2,299329E+22	2,488642E+22	2,570824E+22	2,570856E+22	2,488717E+22	2,299397E+22	2,010741E+22	1,700107E+22	1,493613E+22	1,493592E+22	1,700059E+22	2,010704E+22
805	2,299404E+22	2,488762E+22	2,570913E+22	2,570890E+22	2,488702E+22	2,299337E+22	2,010679E+22	1,700074E+22	1,493616E+22	1,493627E+22	1,700101E+22	2,010716E+22
806	2,299366E+22	2,488684E+22	2,570801E+22	2,570766E+22	2,488634E+22	2,299337E+22	2,010705E+22	1,700099E+22	1,493629E+22	1,493618E+22	1,700062E+22	2,010650E+22
807	2,299284E+22	2,488643E+22	2,570874E+22	2,570909E+22	2,488757E+22	2,299416E+22	2,010738E+22	1,700098E+22	1,493615E+22	1,493611E+22	1,700084E+22	2,010714E+22
808	2,299377E+22	2,488700E+22	2,570861E+22	2,570866E+22	2,488694E+22	2,299339E+22	2,010675E+22	1,700054E+22	1,493586E+22	1,493598E+22	1,700079E+22	2,010695E+22
809	2,299328E+22	2,488621E+22	2,570752E+22	2,570783E+22	2,488684E+22	2,299376E+22	2,010714E+22	1,700072E+22	1,493571E+22	1,493554E+22	1,700033E+22	2,010676E+22
810	2,299347E+22	2,488694E+22	2,570866E+22	2,570873E+22	2,488742E+22	2,299402E+22	2,010701E+22	1,700038E+22	1,493542E+22	1,493548E+22	1,700058E+22	2,010731E+22
811	2,299416E+22	2,488730E+22	2,570844E+22	2,570781E+22	2,488608E+22	2,299311E+22	2,010674E+22	1,700026E+22	1,493518E+22	1,493510E+22	1,700000E+22	2,010650E+22
812	2,299322E+22	2,488649E+22	2,570828E+22	2,570860E+22	2,488704E+22	2,299357E+22	2,010684E+22	1,700028E+22	1,493512E+22	1,493490E+22	1,699978E+22	2,010645E+22
813	2,299368E+22	2,488759E+22	2,570933E+22	2,570929E+22	2,488750E+22	2,299347E+22	2,010621E+22	1,699961E+22	1,493477E+22	1,493502E+22	1,700026E+22	2,010693E+22
814	2,299370E+22	2,488700E+22	2,570828E+22	2,570788E+22	2,488656E+22	2,299344E+22	2,010651E+22	1,699975E+22	1,493469E+22	1,493474E+22	1,699979E+22	2,010635E+22
815	2,299297E+22	2,488634E+22	2,570847E+22	2,570891E+22	2,488757E+22	2,299423E+22	2,010715E+22	1,700015E+22	1,493482E+22	1,493470E+22	1,699981E+22	2,010677E+22
816	2,299402E+22	2,488744E+22	2,570888E+22	2,570886E+22	2,488713E+22	2,299344E+22	2,010655E+22	1,699997E+22	1,493496E+22	1,493499E+22	1,700003E+22	2,010664E+22

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	2,299350E+22	2,488672E+22	2,570787E+22	2,570777E+22	2,488658E+22	2,299348E+22	2,010690E+22	1,700048E+22	1,493541E+22	1,493519E+22	1,699995E+22	2,010635E+22
818	2,299308E+22	2,488672E+22	2,570873E+22	2,570886E+22	2,488738E+22	2,299395E+22	2,010705E+22	1,700058E+22	1,493573E+22	1,493577E+22	1,700068E+22	2,010715E+22
819	2,299386E+22	2,488712E+22	2,570860E+22	2,570822E+22	2,488635E+22	2,299312E+22	2,010678E+22	1,700062E+22	1,493594E+22	1,493605E+22	1,700082E+22	2,010686E+22
820	2,299307E+22	2,488599E+22	2,570766E+22	2,570811E+22	2,488683E+22	2,299362E+22	2,010718E+22	1,700108E+22	1,493634E+22	1,493625E+22	1,700083E+22	2,010693E+22
821	2,299355E+22	2,488706E+22	2,570870E+22	2,570875E+22	2,488726E+22	2,299369E+22	2,010693E+22	1,700084E+22	1,493641E+22	1,493665E+22	1,700148E+22	2,010765E+22
822	2,299404E+22	2,488702E+22	2,570806E+22	2,570744E+22	2,488596E+22	2,299319E+22	2,010706E+22	1,700119E+22	1,493671E+22	1,493670E+22	1,700110E+22	2,010690E+22
823	2,299305E+22	2,488614E+22	2,570799E+22	2,570828E+22	2,488687E+22	2,299386E+22	2,010765E+22	1,700170E+22	1,493704E+22	1,493682E+22	1,700112E+22	2,010707E+22
824	2,299375E+22	2,488724E+22	2,570888E+22	2,570887E+22	2,488699E+22	2,299331E+22	2,010692E+22	1,700125E+22	1,493697E+22	1,493707E+22	1,700152E+22	2,010721E+22
825	2,299331E+22	2,488636E+22	2,570773E+22	2,570763E+22	2,488634E+22	2,299340E+22	2,010720E+22	1,700144E+22	1,493698E+22	1,493690E+22	1,700124E+22	2,010690E+22
826	2,299281E+22	2,488592E+22	2,570800E+22	2,570852E+22	2,488725E+22	2,299411E+22	2,010757E+22	1,700142E+22	1,493683E+22	1,493685E+22	1,700145E+22	2,010753E+22
827	2,299398E+22	2,488696E+22	2,570825E+22	2,570804E+22	2,488635E+22	2,299327E+22	2,010710E+22	1,700111E+22	1,493653E+22	1,493659E+22	1,700119E+22	2,010709E+22
828	2,299328E+22	2,488615E+22	2,570737E+22	2,570751E+22	2,488638E+22	2,299349E+22	2,010726E+22	1,700126E+22	1,493648E+22	1,493622E+22	1,700065E+22	2,010669E+22
829	2,299338E+22	2,488707E+22	2,570878E+22	2,570861E+22	2,488701E+22	2,299360E+22	2,010687E+22	1,700068E+22	1,493607E+22	1,493616E+22	1,700096E+22	2,010729E+22
830	2,299397E+22	2,488722E+22	2,570856E+22	2,570798E+22	2,488604E+22	2,299290E+22	2,010656E+22	1,700050E+22	1,493586E+22	1,493588E+22	1,700050E+22	2,010653E+22
831	2,299288E+22	2,488599E+22	2,570789E+22	2,570848E+22	2,488709E+22	2,299373E+22	2,010707E+22	1,700070E+22	1,493577E+22	1,493563E+22	1,700033E+22	2,010665E+22
832	2,299354E+22	2,488716E+22	2,570889E+22	2,570912E+22	2,488751E+22	2,299364E+22	2,010656E+22	1,700013E+22	1,493541E+22	1,493561E+22	1,700064E+22	2,010704E+22
833	2,299357E+22	2,488671E+22	2,570798E+22	2,570770E+22	2,488640E+22	2,299349E+22	2,010689E+22	1,700044E+22	1,493549E+22	1,493541E+22	1,700026E+22	2,010660E+22
834	2,299299E+22	2,488609E+22	2,570796E+22	2,570837E+22	2,488711E+22	2,299407E+22	2,010740E+22	1,700085E+22	1,493582E+22	1,493567E+22	1,700043E+22	2,010693E+22
835	2,299396E+22	2,488738E+22	2,570874E+22	2,570844E+22	2,488652E+22	2,299320E+22	2,010684E+22	1,700067E+22	1,493596E+22	1,493601E+22	1,700069E+22	2,010674E+22
836	2,299318E+22	2,488632E+22	2,570765E+22	2,570767E+22	2,488636E+22	2,299324E+22	2,010695E+22	1,700106E+22	1,493642E+22	1,493627E+22	1,700070E+22	2,010655E+22
837	2,299292E+22	2,488649E+22	2,570845E+22	2,570859E+22	2,488712E+22	2,299372E+22	2,010696E+22	1,700088E+22	1,493648E+22	1,493667E+22	1,700142E+22	2,010755E+22
838	2,299393E+22	2,488694E+22	2,570831E+22	2,570794E+22	2,488611E+22	2,299300E+22	2,010681E+22	1,700101E+22	1,493671E+22	1,493689E+22	1,700142E+22	2,010716E+22
839	2,299311E+22	2,488576E+22	2,570722E+22	2,570766E+22	2,488651E+22	2,299361E+22	2,010752E+22	1,700172E+22	1,493716E+22	1,493699E+22	1,700130E+22	2,010711E+22
840	2,299356E+22	2,488697E+22	2,570855E+22	2,570857E+22	2,488699E+22	2,299357E+22	2,010717E+22	1,700148E+22	1,493725E+22	1,493736E+22	1,700177E+22	2,010753E+22
841	2,299375E+22	2,488685E+22	2,570812E+22	2,570756E+22	2,488584E+22	2,299307E+22	2,010727E+22	1,700182E+22	1,493757E+22	1,493750E+22	1,700161E+22	2,010698E+22
842	2,299274E+22	2,488566E+22	2,570755E+22	2,570806E+22	2,488674E+22	2,299378E+22	2,010778E+22	1,700224E+22	1,493794E+22	1,493778E+22	1,700180E+22	2,010723E+22
843	2,299350E+22	2,488686E+22	2,570848E+22	2,570847E+22	2,488673E+22	2,299341E+22	2,010730E+22	1,700180E+22	1,493773E+22	1,493789E+22	1,700212E+22	2,010743E+22
844	2,299311E+22	2,488589E+22	2,570724E+22	2,570729E+22	2,488610E+22	2,299338E+22	2,010750E+22	1,700204E+22	1,493777E+22	1,493765E+22	1,700175E+22	2,010710E+22
845	2,299288E+22	2,488588E+22	2,570765E+22	2,570800E+22	2,488674E+22	2,299381E+22	2,010761E+22	1,700186E+22	1,493751E+22	1,493751E+22	1,700188E+22	2,010773E+22
846	2,299409E+22	2,488709E+22	2,570823E+22	2,570780E+22	2,488594E+22	2,299293E+22	2,010703E+22	1,700151E+22	1,493728E+22	1,493733E+22	1,700161E+22	2,010714E+22
847	2,299314E+22	2,488601E+22	2,570727E+22	2,570736E+22	2,488610E+22	2,299326E+22	2,010734E+22	1,700169E+22	1,493718E+22	1,493696E+22	1,700115E+22	2,010678E+22
848	2,299315E+22	2,488677E+22	2,570868E+22	2,570876E+22	2,488705E+22	2,299349E+22	2,010687E+22	1,700100E+22	1,493667E+22	1,493681E+22	1,700139E+22	2,010736E+22
849	2,299369E+22	2,488686E+22	2,570840E+22	2,570811E+22	2,488620E+22	2,299303E+22	2,010674E+22	1,700084E+22	1,493639E+22	1,493647E+22	1,700104E+22	2,010687E+22
850	2,299285E+22	2,488558E+22	2,570723E+22	2,570796E+22	2,488686E+22	2,299380E+22	2,010739E+22	1,700123E+22	1,493648E+22	1,493634E+22	1,700085E+22	2,010690E+22
851	2,299358E+22	2,488707E+22	2,570855E+22	2,570856E+22	2,488703E+22	2,299365E+22	2,010705E+22	1,700085E+22	1,493623E+22	1,493632E+22	1,700103E+22	2,010708E+22
852	2,299342E+22	2,488653E+22	2,570777E+22	2,570742E+22	2,488600E+22	2,299323E+22	2,010710E+22	1,700116E+22	1,493648E+22	1,493631E+22	1,700071E+22	2,010655E+22

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	2,299279E+22	2,488600E+22	2,570780E+22	2,570806E+22	2,488662E+22	2,299362E+22	2,010732E+22	1,700132E+22	1,493671E+22	1,493662E+22	1,700107E+22	2,010708E+22
854	2,299375E+22	2,488715E+22	2,570861E+22	2,570838E+22	2,488636E+22	2,299293E+22	2,010671E+22	1,700104E+22	1,493683E+22	1,493700E+22	1,700143E+22	2,010700E+22
855	2,299295E+22	2,488585E+22	2,570717E+22	2,570735E+22	2,488619E+22	2,299325E+22	2,010716E+22	1,700152E+22	1,493717E+22	1,493713E+22	1,700141E+22	2,010693E+22
856	2,299293E+22	2,488618E+22	2,570807E+22	2,570838E+22	2,488696E+22	2,299370E+22	2,010722E+22	1,700143E+22	1,493720E+22	1,493735E+22	1,700186E+22	2,010774E+22
857	2,299395E+22	2,488686E+22	2,570816E+22	2,570783E+22	2,488597E+22	2,299299E+22	2,010711E+22	1,700165E+22	1,493749E+22	1,493759E+22	1,700189E+22	2,010737E+22
858	2,299310E+22	2,488563E+22	2,570688E+22	2,570724E+22	2,488613E+22	2,299348E+22	2,010780E+22	1,700244E+22	1,493816E+22	1,493793E+22	1,700184E+22	2,010715E+22
859	2,299336E+22	2,488685E+22	2,570849E+22	2,570833E+22	2,488660E+22	2,299347E+22	2,010754E+22	1,700222E+22	1,493824E+22	1,493830E+22	1,700233E+22	2,010752E+22
860	2,299330E+22	2,488633E+22	2,570784E+22	2,570753E+22	2,488579E+22	2,299298E+22	2,010744E+22	1,700245E+22	1,493856E+22	1,493850E+22	1,700227E+22	2,010711E+22
861	2,299252E+22	2,488532E+22	2,570705E+22	2,570763E+22	2,488647E+22	2,299364E+22	2,010784E+22	1,700262E+22	1,493867E+22	1,493863E+22	1,700250E+22	2,010762E+22
862	2,299352E+22	2,488664E+22	2,570809E+22	2,570805E+22	2,488638E+22	2,299322E+22	2,010737E+22	1,700224E+22	1,493847E+22	1,493864E+22	1,700268E+22	2,010772E+22
863	2,299315E+22	2,488571E+22	2,570684E+22	2,570678E+22	2,488567E+22	2,299320E+22	2,010770E+22	1,700257E+22	1,493849E+22	1,493832E+22	1,700219E+22	2,010728E+22
864	2,299292E+22	2,488588E+22	2,570764E+22	2,570790E+22	2,488640E+22	2,299347E+22	2,010762E+22	1,700228E+22	1,493817E+22	1,493810E+22	1,700216E+22	2,010768E+22
865	2,299389E+22	2,488700E+22	2,570837E+22	2,570802E+22	2,488593E+22	2,299275E+22	2,010704E+22	1,700187E+22	1,493788E+22	1,493796E+22	1,700208E+22	2,010728E+22
866	2,299290E+22	2,488566E+22	2,570696E+22	2,570726E+22	2,488611E+22	2,299326E+22	2,010744E+22	1,700207E+22	1,493784E+22	1,493771E+22	1,700172E+22	2,010697E+22
867	2,299296E+22	2,488647E+22	2,570838E+22	2,570845E+22	2,488691E+22	2,299369E+22	2,010730E+22	1,700149E+22	1,493728E+22	1,493742E+22	1,700183E+22	2,010748E+22
868	2,299346E+22	2,488642E+22	2,570797E+22	2,570786E+22	2,488611E+22	2,299312E+22	2,010715E+22	1,700150E+22	1,493717E+22	1,493716E+22	1,700142E+22	2,010695E+22
869	2,299285E+22	2,488553E+22	2,570682E+22	2,570740E+22	2,488641E+22	2,299359E+22	2,010753E+22	1,700177E+22	1,493726E+22	1,493708E+22	1,700131E+22	2,010703E+22
870	2,299351E+22	2,488700E+22	2,570839E+22	2,570821E+22	2,488656E+22	2,299329E+22	2,010706E+22	1,700141E+22	1,493717E+22	1,493722E+22	1,700156E+22	2,010715E+22
871	2,299317E+22	2,488622E+22	2,570750E+22	2,570716E+22	2,488566E+22	2,299294E+22	2,010720E+22	1,700172E+22	1,493739E+22	1,493727E+22	1,700141E+22	2,010679E+22
872	2,299258E+22	2,488563E+22	2,570759E+22	2,570804E+22	2,488648E+22	2,299334E+22	2,010727E+22	1,700170E+22	1,493747E+22	1,493746E+22	1,700170E+22	2,010736E+22
873	2,299363E+22	2,488683E+22	2,570836E+22	2,570831E+22	2,488634E+22	2,299295E+22	2,010686E+22	1,700144E+22	1,493746E+22	1,493774E+22	1,700213E+22	2,010748E+22
874	2,299305E+22	2,488561E+22	2,570665E+22	2,570684E+22	2,488587E+22	2,299322E+22	2,010746E+22	1,700211E+22	1,493796E+22	1,493791E+22	1,700197E+22	2,010720E+22
875	2,299303E+22	2,488623E+22	2,570790E+22	2,570791E+22	2,488651E+22	2,299367E+22	2,010767E+22	1,700217E+22	1,493809E+22	1,493811E+22	1,700223E+22	2,010770E+22
876	2,299371E+22	2,488669E+22	2,570810E+22	2,570776E+22	2,488578E+22	2,299285E+22	2,010738E+22	1,700243E+22	1,493856E+22	1,493853E+22	1,700229E+22	2,010722E+22
877	2,299280E+22	2,488548E+22	2,570672E+22	2,570704E+22	2,488586E+22	2,299321E+22	2,010784E+22	1,700299E+22	1,493912E+22	1,493893E+22	1,700249E+22	2,010725E+22
878	2,299298E+22	2,488642E+22	2,570823E+22	2,570824E+22	2,488653E+22	2,299333E+22	2,010758E+22	1,700273E+22	1,493918E+22	1,493929E+22	1,700305E+22	2,010776E+22
879	2,299300E+22	2,488574E+22	2,570724E+22	2,570713E+22	2,488562E+22	2,299302E+22	2,010774E+22	1,700302E+22	1,493936E+22	1,493937E+22	1,700298E+22	2,010751E+22
880	2,299250E+22	2,488493E+22	2,570662E+22	2,570729E+22	2,488615E+22	2,299348E+22	2,010803E+22	1,700315E+22	1,493937E+22	1,493929E+22	1,700297E+22	2,010788E+22
881	2,299360E+22	2,488658E+22	2,570792E+22	2,570781E+22	2,488614E+22	2,299311E+22	2,010753E+22	1,700272E+22	1,493911E+22	1,493928E+22	1,700317E+22	2,010799E+22
882	2,299322E+22	2,488569E+22	2,570662E+22	2,570635E+22	2,488522E+22	2,299294E+22	2,010780E+22	1,700306E+22	1,493925E+22	1,493908E+22	1,700267E+22	2,010739E+22
883	2,299283E+22	2,488587E+22	2,570770E+22	2,570776E+22	2,488614E+22	2,299333E+22	2,010778E+22	1,700275E+22	1,493888E+22	1,493880E+22	1,700259E+22	2,010771E+22
884	2,299357E+22	2,488661E+22	2,570821E+22	2,570814E+22	2,488607E+22	2,299274E+22	2,010712E+22	1,700227E+22	1,493857E+22	1,493867E+22	1,700250E+22	2,010735E+22
885	2,299277E+22	2,488540E+22	2,570652E+22	2,570686E+22	2,488593E+22	2,299322E+22	2,010754E+22	1,700239E+22	1,493840E+22	1,493833E+22	1,700221E+22	2,010723E+22
886	2,299292E+22	2,488623E+22	2,570804E+22	2,570808E+22	2,488663E+22	2,299358E+22	2,010749E+22	1,700203E+22	1,493799E+22	1,493803E+22	1,700219E+22	2,010759E+22
887	2,299336E+22	2,488619E+22	2,570759E+22	2,570735E+22	2,488568E+22	2,299296E+22	2,010742E+22	1,700215E+22	1,493799E+22	1,493787E+22	1,700183E+22	2,010702E+22
888	2,299269E+22	2,488535E+22	2,570676E+22	2,570721E+22	2,488599E+22	2,299321E+22	2,010757E+22	1,700229E+22	1,493807E+22	1,493784E+22	1,700172E+22	2,010703E+22

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	2,299326E+22	2,488677E+22	2,570836E+22	2,570825E+22	2,488648E+22	2,299308E+22	2,010706E+22	1,700181E+22	1,493789E+22	1,493805E+22	1,700224E+22	2,010742E+22
890	2,299296E+22	2,488581E+22	2,570708E+22	2,570686E+22	2,488551E+22	2,299286E+22	2,010728E+22	1,700216E+22	1,493819E+22	1,493818E+22	1,700214E+22	2,010714E+22
891	2,299254E+22	2,488539E+22	2,570731E+22	2,570768E+22	2,488626E+22	2,299342E+22	2,010761E+22	1,700226E+22	1,493822E+22	1,493821E+22	1,700225E+22	2,010761E+22
892	2,299355E+22	2,488652E+22	2,570804E+22	2,570810E+22	2,488624E+22	2,299296E+22	2,010721E+22	1,700216E+22	1,493837E+22	1,493854E+22	1,700254E+22	2,010758E+22
893	2,299311E+22	2,488565E+22	2,570641E+22	2,570638E+22	2,488548E+22	2,299304E+22	2,010765E+22	1,700275E+22	1,493889E+22	1,493879E+22	1,700249E+22	2,010732E+22
894	2,299289E+22	2,488613E+22	2,570788E+22	2,570773E+22	2,488618E+22	2,299339E+22	2,010781E+22	1,700289E+22	1,493916E+22	1,493909E+22	1,700278E+22	2,010770E+22
895	2,299332E+22	2,488626E+22	2,570783E+22	2,570760E+22	2,488563E+22	2,299272E+22	2,010759E+22	1,700311E+22	1,493960E+22	1,493960E+22	1,700305E+22	2,010743E+22
896	2,299248E+22	2,488495E+22	2,570641E+22	2,570693E+22	2,488577E+22	2,299309E+22	2,010790E+22	1,700345E+22	1,493996E+22	1,493985E+22	1,700319E+22	2,010758E+22
897	2,299286E+22	2,488595E+22	2,570776E+22	2,570794E+22	2,488645E+22	2,299340E+22	2,010780E+22	1,700317E+22	1,493983E+22	1,494007E+22	1,700378E+22	2,010827E+22
898	2,299314E+22	2,488548E+22	2,570666E+22	2,570647E+22	2,488517E+22	2,299290E+22	2,010801E+22	1,700362E+22	1,494015E+22	1,494012E+22	1,700354E+22	2,010786E+22
899	2,299271E+22	2,488505E+22	2,570651E+22	2,570677E+22	2,488559E+22	2,299325E+22	2,010824E+22	1,700374E+22	1,494014E+22	1,493995E+22	1,700329E+22	2,010789E+22
900	2,299347E+22	2,488649E+22	2,570795E+22	2,570776E+22	2,488592E+22	2,299286E+22	2,010762E+22	1,700326E+22	1,493994E+22	1,494002E+22	1,700347E+22	2,010788E+22
901	2,299306E+22	2,488565E+22	2,570660E+22	2,570627E+22	2,488505E+22	2,299269E+22	2,010770E+22	1,700335E+22	1,493989E+22	1,493981E+22	1,700315E+22	2,010746E+22
902	2,299255E+22	2,488555E+22	2,570756E+22	2,570772E+22	2,488613E+22	2,299326E+22	2,010780E+22	1,700311E+22	1,493953E+22	1,493945E+22	1,700302E+22	2,010779E+22
903	2,299329E+22	2,488610E+22	2,570773E+22	2,570783E+22	2,488604E+22	2,299290E+22	2,010746E+22	1,700280E+22	1,493922E+22	1,493929E+22	1,700295E+22	2,010755E+22
904	2,299266E+22	2,488504E+22	2,570621E+22	2,570657E+22	2,488569E+22	2,299312E+22	2,010775E+22	1,700291E+22	1,493907E+22	1,493890E+22	1,700253E+22	2,010733E+22
905	2,299285E+22	2,488601E+22	2,570780E+22	2,570780E+22	2,488641E+22	2,299350E+22	2,010770E+22	1,700255E+22	1,493869E+22	1,493873E+22	1,700268E+22	2,010774E+22
906	2,299324E+22	2,488597E+22	2,570731E+22	2,570690E+22	2,488521E+22	2,299270E+22	2,010756E+22	1,700275E+22	1,493888E+22	1,493878E+22	1,700244E+22	2,010720E+22
907	2,299256E+22	2,488518E+22	2,570667E+22	2,570696E+22	2,488566E+22	2,299298E+22	2,010764E+22	1,700279E+22	1,493891E+22	1,493872E+22	1,700233E+22	2,010721E+22
908	2,299302E+22	2,488634E+22	2,570808E+22	2,570817E+22	2,488649E+22	2,299304E+22	2,010715E+22	1,700227E+22	1,493871E+22	1,493892E+22	1,700282E+22	2,010769E+22
909	2,299305E+22	2,488565E+22	2,570669E+22	2,570639E+22	2,488523E+22	2,299275E+22	2,010736E+22	1,700254E+22	1,493886E+22	1,493894E+22	1,700274E+22	2,010751E+22
910	2,299266E+22	2,488531E+22	2,570710E+22	2,570735E+22	2,488594E+22	2,299323E+22	2,010778E+22	1,700288E+22	1,493906E+22	1,493892E+22	1,700265E+22	2,010772E+22
911	2,299349E+22	2,488638E+22	2,570782E+22	2,570777E+22	2,488597E+22	2,299286E+22	2,010750E+22	1,700289E+22	1,493933E+22	1,493939E+22	1,700300E+22	2,010761E+22
912	2,299286E+22	2,488539E+22	2,570644E+22	2,570635E+22	2,488521E+22	2,299278E+22	2,010777E+22	1,700338E+22	1,493984E+22	1,493970E+22	1,700300E+22	2,010732E+22
913	2,299253E+22	2,488570E+22	2,570772E+22	2,570778E+22	2,488623E+22	2,299338E+22	2,010796E+22	1,700341E+22	1,494001E+22	1,494008E+22	1,700355E+22	2,010795E+22
914	2,299302E+22	2,488570E+22	2,570727E+22	2,570714E+22	2,488541E+22	2,299275E+22	2,010785E+22	1,700372E+22	1,494052E+22	1,494060E+22	1,700383E+22	2,010783E+22
915	2,299243E+22	2,488461E+22	2,570596E+22	2,570636E+22	2,488542E+22	2,299314E+22	2,010826E+22	1,700409E+22	1,494079E+22	1,494066E+22	1,700377E+22	2,010787E+22
916	2,299288E+22	2,488568E+22	2,570737E+22	2,570756E+22	2,488618E+22	2,299329E+22	2,010805E+22	1,700384E+22	1,494071E+22	1,494083E+22	1,700416E+22	2,010841E+22
917	2,299333E+22	2,488558E+22	2,570644E+22	2,570594E+22	2,488461E+22	2,299254E+22	2,010802E+22	1,700409E+22	1,494094E+22	1,494090E+22	1,700401E+22	2,010799E+22
918	2,299268E+22	2,488507E+22	2,570662E+22	2,570670E+22	2,488523E+22	2,299283E+22	2,010820E+22	1,700424E+22	1,494096E+22	1,494071E+22	1,700371E+22	2,010788E+22
919	2,299317E+22	2,488617E+22	2,570782E+22	2,570775E+22	2,488588E+22	2,299273E+22	2,010766E+22	1,700370E+22	1,494069E+22	1,494081E+22	1,700401E+22	2,010799E+22
920	2,299273E+22	2,488518E+22	2,570646E+22	2,570630E+22	2,488506E+22	2,299267E+22	2,010774E+22	1,700364E+22	1,494046E+22	1,494044E+22	1,700361E+22	2,010764E+22
921	2,299241E+22	2,488513E+22	2,570718E+22	2,570753E+22	2,488615E+22	2,299344E+22	2,010807E+22	1,700346E+22	1,494001E+22	1,494003E+22	1,700350E+22	2,010801E+22
922	2,299325E+22	2,488580E+22	2,570720E+22	2,570722E+22	2,488564E+22	2,299287E+22	2,010778E+22	1,700341E+22	1,493997E+22	1,493996E+22	1,700335E+22	2,010769E+22
923	2,299268E+22	2,488500E+22	2,570605E+22	2,570609E+22	2,488520E+22	2,299297E+22	2,010797E+22	1,700353E+22	1,493989E+22	1,493961E+22	1,700287E+22	2,010730E+22
924	2,299263E+22	2,488575E+22	2,570766E+22	2,570768E+22	2,488618E+22	2,299328E+22	2,010778E+22	1,700312E+22	1,493959E+22	1,493958E+22	1,700311E+22	2,010776E+22

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	2,299313E+22	2,488578E+22	2,570708E+22	2,570666E+22	2,488495E+22	2,299242E+22	2,010745E+22	1,700307E+22	1,493963E+22	1,493967E+22	1,700314E+22	2,010750E+22
926	2,299245E+22	2,488488E+22	2,570647E+22	2,570683E+22	2,488551E+22	2,299281E+22	2,010765E+22	1,700320E+22	1,493963E+22	1,493949E+22	1,700292E+22	2,010749E+22
927	2,299294E+22	2,488596E+22	2,570767E+22	2,570784E+22	2,488634E+22	2,299310E+22	2,010745E+22	1,700284E+22	1,493946E+22	1,493967E+22	1,700337E+22	2,010797E+22
928	2,299305E+22	2,488547E+22	2,570656E+22	2,570620E+22	2,488497E+22	2,299265E+22	2,010755E+22	1,700309E+22	1,493963E+22	1,493964E+22	1,700313E+22	2,010761E+22
929	2,299264E+22	2,488522E+22	2,570698E+22	2,570714E+22	2,488576E+22	2,299323E+22	2,010805E+22	1,700347E+22	1,493989E+22	1,493977E+22	1,700318E+22	2,010776E+22
930	2,299327E+22	2,488612E+22	2,570759E+22	2,570745E+22	2,488563E+22	2,299274E+22	2,010777E+22	1,700364E+22	1,494040E+22	1,494043E+22	1,700366E+22	2,010775E+22
931	2,299262E+22	2,488507E+22	2,570625E+22	2,570614E+22	2,488500E+22	2,299269E+22	2,010794E+22	1,700402E+22	1,494085E+22	1,494071E+22	1,700368E+22	2,010751E+22
932	2,299224E+22	2,488508E+22	2,570719E+22	2,570752E+22	2,488618E+22	2,299343E+22	2,010820E+22	1,700402E+22	1,494096E+22	1,494105E+22	1,700419E+22	2,010825E+22
933	2,299311E+22	2,488544E+22	2,570671E+22	2,570651E+22	2,488495E+22	2,299259E+22	2,010800E+22	1,700421E+22	1,494130E+22	1,494146E+22	1,700452E+22	2,010823E+22
934	2,299260E+22	2,488458E+22	2,570573E+22	2,570591E+22	2,488486E+22	2,299273E+22	2,010835E+22	1,700471E+22	1,494164E+22	1,494139E+22	1,700419E+22	2,010799E+22
935	2,299287E+22	2,488563E+22	2,570723E+22	2,570723E+22	2,488576E+22	2,299304E+22	2,010818E+22	1,700444E+22	1,494159E+22	1,494164E+22	1,700460E+22	2,010842E+22
936	2,299311E+22	2,488545E+22	2,570663E+22	2,570607E+22	2,488439E+22	2,299221E+22	2,010793E+22	1,700445E+22	1,494165E+22	1,494163E+22	1,700442E+22	2,010796E+22
937	2,299239E+22	2,488475E+22	2,570655E+22	2,570688E+22	2,488542E+22	2,299289E+22	2,010824E+22	1,700450E+22	1,494153E+22	1,494144E+22	1,700429E+22	2,010799E+22
938	2,299286E+22	2,488567E+22	2,570736E+22	2,570747E+22	2,488584E+22	2,299293E+22	2,010797E+22	1,700418E+22	1,494136E+22	1,494152E+22	1,700456E+22	2,010823E+22
939	2,299263E+22	2,488483E+22	2,570605E+22	2,570591E+22	2,488487E+22	2,299283E+22	2,010813E+22	1,700422E+22	1,494114E+22	1,494105E+22	1,700399E+22	2,010777E+22
940	2,299232E+22	2,488477E+22	2,570671E+22	2,570716E+22	2,488596E+22	2,299349E+22	2,010842E+22	1,700413E+22	1,494084E+22	1,494071E+22	1,700380E+22	2,010805E+22
941	2,299330E+22	2,488576E+22	2,570690E+22	2,570666E+22	2,488506E+22	2,299257E+22	2,010786E+22	1,700390E+22	1,494077E+22	1,494078E+22	1,700389E+22	2,010783E+22
942	2,299261E+22	2,488493E+22	2,570603E+22	2,570593E+22	2,488473E+22	2,299248E+22	2,010791E+22	1,700404E+22	1,494072E+22	1,494044E+22	1,700342E+22	2,010742E+22
943	2,299244E+22	2,488543E+22	2,570740E+22	2,570753E+22	2,488602E+22	2,299309E+22	2,010776E+22	1,700352E+22	1,494036E+22	1,494045E+22	1,700378E+22	2,010805E+22
944	2,299299E+22	2,488544E+22	2,570689E+22	2,570657E+22	2,488482E+22	2,299231E+22	2,010743E+22	1,700331E+22	1,494018E+22	1,494034E+22	1,700370E+22	2,010784E+22
945	2,299255E+22	2,488470E+22	2,570621E+22	2,570665E+22	2,488545E+22	2,299290E+22	2,010787E+22	1,700354E+22	1,494015E+22	1,494011E+22	1,700344E+22	2,010773E+22
946	2,299300E+22	2,488586E+22	2,570734E+22	2,570735E+22	2,488591E+22	2,299304E+22	2,010778E+22	1,700351E+22	1,494030E+22	1,494040E+22	1,700377E+22	2,010804E+22
947	2,299300E+22	2,488544E+22	2,570651E+22	2,570594E+22	2,488462E+22	2,299256E+22	2,010783E+22	1,700380E+22	1,494059E+22	1,494048E+22	1,700351E+22	2,010749E+22
948	2,299229E+22	2,488486E+22	2,570681E+22	2,570713E+22	2,488570E+22	2,299317E+22	2,010827E+22	1,700417E+22	1,494095E+22	1,494076E+22	1,700366E+22	2,010771E+22
949	2,299297E+22	2,488571E+22	2,570718E+22	2,570713E+22	2,488537E+22	2,299258E+22	2,010784E+22	1,700415E+22	1,494135E+22	1,494149E+22	1,700446E+22	2,010803E+22
950	2,299242E+22	2,488463E+22	2,570585E+22	2,570585E+22	2,488470E+22	2,299251E+22	2,010813E+22	1,700465E+22	1,494176E+22	1,494163E+22	1,700438E+22	2,010784E+22
951	2,299217E+22	2,488467E+22	2,570661E+22	2,570702E+22	2,488582E+22	2,299335E+22	2,010849E+22	1,700470E+22	1,494188E+22	1,494194E+22	1,700484E+22	2,010856E+22
952	2,299311E+22	2,488528E+22	2,570653E+22	2,570620E+22	2,488452E+22	2,299231E+22	2,010808E+22	1,700472E+22	1,494211E+22	1,494223E+22	1,700501E+22	2,010841E+22
953	2,299265E+22	2,488459E+22	2,570571E+22	2,570578E+22	2,488462E+22	2,299259E+22	2,010843E+22	1,700510E+22	1,494236E+22	1,494222E+22	1,700476E+22	2,010807E+22
954	2,299267E+22	2,488545E+22	2,570712E+22	2,570706E+22	2,488546E+22	2,299286E+22	2,010832E+22	1,700499E+22	1,494246E+22	1,494253E+22	1,700519E+22	2,010855E+22
955	2,299288E+22	2,488516E+22	2,570647E+22	2,570606E+22	2,488443E+22	2,299227E+22	2,010805E+22	1,700489E+22	1,494239E+22	1,494241E+22	1,700494E+22	2,010809E+22
956	2,299214E+22	2,488424E+22	2,570607E+22	2,570673E+22	2,488552E+22	2,299313E+22	2,010856E+22	1,700500E+22	1,494223E+22	1,494212E+22	1,700469E+22	2,010816E+22
957	2,299289E+22	2,488541E+22	2,570681E+22	2,570688E+22	2,488545E+22	2,299289E+22	2,010824E+22	1,700468E+22	1,494201E+22	1,494217E+22	1,700503E+22	2,010848E+22
958	2,299270E+22	2,488477E+22	2,570581E+22	2,570551E+22	2,488432E+22	2,299248E+22	2,010831E+22	1,700487E+22	1,494192E+22	1,494168E+22	1,700433E+22	2,010781E+22
959	2,299221E+22	2,488461E+22	2,570644E+22	2,570679E+22	2,488549E+22	2,299321E+22	2,010855E+22	1,700472E+22	1,494169E+22	1,494153E+22	1,700428E+22	2,010807E+22
960	2,299302E+22	2,488557E+22	2,570696E+22	2,570668E+22	2,488476E+22	2,299219E+22	2,010773E+22	1,700420E+22	1,494144E+22	1,494154E+22	1,700443E+22	2,010796E+22

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	2,299244E+22	2,488469E+22	2,570589E+22	2,570595E+22	2,488476E+22	2,299244E+22	2,010786E+22	1,700418E+22	1,494123E+22	1,494119E+22	1,700407E+22	2,010766E+22
962	2,299229E+22	2,488510E+22	2,570700E+22	2,570721E+22	2,488582E+22	2,299314E+22	2,010801E+22	1,700398E+22	1,494102E+22	1,494115E+22	1,700434E+22	2,010836E+22
963	2,299305E+22	2,488529E+22	2,570661E+22	2,570633E+22	2,488467E+22	2,299237E+22	2,010770E+22	1,700385E+22	1,494086E+22	1,494094E+22	1,700403E+22	2,010792E+22
964	2,299248E+22	2,488450E+22	2,570588E+22	2,570641E+22	2,488530E+22	2,299296E+22	2,010824E+22	1,700425E+22	1,494103E+22	1,494083E+22	1,700371E+22	2,010768E+22
965	2,299292E+22	2,488577E+22	2,570713E+22	2,570696E+22	2,488545E+22	2,299284E+22	2,010799E+22	1,700415E+22	1,494124E+22	1,494133E+22	1,700434E+22	2,010810E+22
966	2,299274E+22	2,488521E+22	2,570643E+22	2,570588E+22	2,488425E+22	2,299217E+22	2,010794E+22	1,700451E+22	1,494162E+22	1,494149E+22	1,700417E+22	2,010759E+22
967	2,299192E+22	2,488431E+22	2,570629E+22	2,570687E+22	2,488555E+22	2,299311E+22	2,010844E+22	1,700478E+22	1,494196E+22	1,494187E+22	1,700451E+22	2,010802E+22
968	2,299271E+22	2,488522E+22	2,570679E+22	2,570683E+22	2,488511E+22	2,299246E+22	2,010793E+22	1,700457E+22	1,494211E+22	1,494238E+22	1,700519E+22	2,010846E+22
969	2,299253E+22	2,488443E+22	2,570545E+22	2,570546E+22	2,488442E+22	2,299245E+22	2,010830E+22	1,700506E+22	1,494245E+22	1,494244E+22	1,700502E+22	2,010815E+22
970	2,299227E+22	2,488462E+22	2,570630E+22	2,570649E+22	2,488526E+22	2,299310E+22	2,010873E+22	1,700537E+22	1,494279E+22	1,494277E+22	1,700536E+22	2,010874E+22
971	2,299313E+22	2,488532E+22	2,570651E+22	2,570605E+22	2,488424E+22	2,299212E+22	2,010819E+22	1,700529E+22	1,494298E+22	1,494304E+22	1,700542E+22	2,010838E+22
972	2,299238E+22	2,488435E+22	2,570563E+22	2,570589E+22	2,488467E+22	2,299258E+22	2,010861E+22	1,700566E+22	1,494321E+22	1,494303E+22	1,700520E+22	2,010809E+22
973	2,299245E+22	2,488512E+22	2,570680E+22	2,570683E+22	2,488533E+22	2,299285E+22	2,010847E+22	1,700541E+22	1,494318E+22	1,494335E+22	1,700582E+22	2,010879E+22
974	2,299271E+22	2,488480E+22	2,570615E+22	2,570587E+22	2,488423E+22	2,299222E+22	2,010837E+22	1,700550E+22	1,494312E+22	1,494309E+22	1,700541E+22	2,010827E+22
975	2,299203E+22	2,488387E+22	2,570550E+22	2,570626E+22	2,488527E+22	2,299315E+22	2,010893E+22	1,700567E+22	1,494304E+22	1,494285E+22	1,700516E+22	2,010829E+22
976	2,299273E+22	2,488522E+22	2,570659E+22	2,570651E+22	2,488501E+22	2,299263E+22	2,010833E+22	1,700516E+22	1,494273E+22	1,494285E+22	1,700545E+22	2,010859E+22
977	2,299267E+22	2,488474E+22	2,570575E+22	2,570534E+22	2,488401E+22	2,299223E+22	2,010834E+22	1,700521E+22	1,494259E+22	1,494247E+22	1,700489E+22	2,010791E+22
978	2,299202E+22	2,488442E+22	2,570629E+22	2,570656E+22	2,488509E+22	2,299285E+22	2,010856E+22	1,700517E+22	1,494246E+22	1,494236E+22	1,700491E+22	2,010831E+22
979	2,299287E+22	2,488529E+22	2,570670E+22	2,570660E+22	2,488475E+22	2,299214E+22	2,010772E+22	1,700450E+22	1,494206E+22	1,494224E+22	1,700496E+22	2,010820E+22
980	2,299234E+22	2,488437E+22	2,570551E+22	2,570581E+22	2,488482E+22	2,299260E+22	2,010811E+22	1,700457E+22	1,494180E+22	1,494175E+22	1,700444E+22	2,010788E+22
981	2,299241E+22	2,488498E+22	2,570660E+22	2,570669E+22	2,488541E+22	2,299302E+22	2,010823E+22	1,700446E+22	1,494166E+22	1,494177E+22	1,700475E+22	2,010853E+22
982	2,299307E+22	2,488530E+22	2,570652E+22	2,570610E+22	2,488425E+22	2,299208E+22	2,010795E+22	1,700456E+22	1,494172E+22	1,494163E+22	1,700434E+22	2,010785E+22
983	2,299224E+22	2,488429E+22	2,570567E+22	2,570619E+22	2,488503E+22	2,299279E+22	2,010846E+22	1,700496E+22	1,494205E+22	1,494179E+22	1,700425E+22	2,010761E+22
984	2,299238E+22	2,488536E+22	2,570703E+22	2,570695E+22	2,488528E+22	2,299260E+22	2,010802E+22	1,700463E+22	1,494212E+22	1,494229E+22	1,700502E+22	2,010827E+22
985	2,299245E+22	2,488476E+22	2,570608E+22	2,570576E+22	2,488426E+22	2,299220E+22	2,010807E+22	1,700489E+22	1,494240E+22	1,494248E+22	1,700499E+22	2,010793E+22
986	2,299175E+22	2,488385E+22	2,570570E+22	2,570630E+22	2,488516E+22	2,299307E+22	2,010879E+22	1,700544E+22	1,494285E+22	1,494279E+22	1,700526E+22	2,010848E+22
987	2,299281E+22	2,488502E+22	2,570632E+22	2,570639E+22	2,488483E+22	2,299241E+22	2,010819E+22	1,700521E+22	1,494298E+22	1,494318E+22	1,700571E+22	2,010870E+22
988	2,299260E+22	2,488438E+22	2,570520E+22	2,570514E+22	2,488417E+22	2,299239E+22	2,010858E+22	1,700573E+22	1,494337E+22	1,494323E+22	1,700541E+22	2,010826E+22
989	2,299232E+22	2,488464E+22	2,570621E+22	2,570616E+22	2,488476E+22	2,299276E+22	2,010883E+22	1,700595E+22	1,494371E+22	1,494370E+22	1,700596E+22	2,010889E+22
990	2,299297E+22	2,488519E+22	2,570656E+22	2,570614E+22	2,488403E+22	2,299177E+22	2,010828E+22	1,700591E+22	1,494387E+22	1,494391E+22	1,700599E+22	2,010848E+22
991	2,299206E+22	2,488388E+22	2,570523E+22	2,570574E+22	2,488470E+22	2,299265E+22	2,010883E+22	1,700620E+22	1,494407E+22	1,494395E+22	1,700586E+22	2,010829E+22
992	2,299213E+22	2,488468E+22	2,570650E+22	2,570658E+22	2,488516E+22	2,299285E+22	2,010868E+22	1,700584E+22	1,494381E+22	1,494402E+22	1,700634E+22	2,010906E+22
993	2,299274E+22	2,488462E+22	2,570579E+22	2,570549E+22	2,488397E+22	2,299216E+22	2,010858E+22	1,700593E+22	1,494376E+22	1,494377E+22	1,700586E+22	2,010839E+22
994	2,299196E+22	2,488375E+22	2,570517E+22	2,570568E+22	2,488470E+22	2,299288E+22	2,010915E+22	1,700632E+22	1,494389E+22	1,494361E+22	1,700560E+22	2,010839E+22
995	2,299262E+22	2,488511E+22	2,570646E+22	2,570635E+22	2,488478E+22	2,299235E+22	2,010831E+22	1,700559E+22	1,494348E+22	1,494357E+22	1,700584E+22	2,010858E+22
996	2,299239E+22	2,488444E+22	2,570558E+22	2,570534E+22	2,488403E+22	2,299214E+22	2,010837E+22	1,700558E+22	1,494326E+22	1,494315E+22	1,700532E+22	2,010807E+22

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	2,299190E+22	2,488412E+22	2,570597E+22	2,570628E+22	2,488489E+22	2,299272E+22	2,010859E+22	1,700547E+22	1,494304E+22	1,494305E+22	1,700551E+22	2,010866E+22
998	2,299285E+22	2,488506E+22	2,570648E+22	2,570642E+22	2,488452E+22	2,299201E+22	2,010797E+22	1,700502E+22	1,494265E+22	1,494280E+22	1,700535E+22	2,010838E+22
999	2,299230E+22	2,488414E+22	2,570511E+22	2,570544E+22	2,488464E+22	2,299263E+22	2,010844E+22	1,700521E+22	1,494259E+22	1,494245E+22	1,700484E+22	2,010792E+22
1000	2,299219E+22	2,488486E+22	2,570653E+22	2,570643E+22	2,488507E+22	2,299284E+22	2,010839E+22	1,700498E+22	1,494242E+22	1,494248E+22	1,700514E+22	2,010854E+22
1001	2,299290E+22	2,488518E+22	2,570647E+22	2,570600E+22	2,488407E+22	2,299191E+22	2,010806E+22	1,700503E+22	1,494255E+22	1,494256E+22	1,700493E+22	2,010788E+22
1002	2,299189E+22	2,488391E+22	2,570535E+22	2,570589E+22	2,488474E+22	2,299260E+22	2,010863E+22	1,700561E+22	1,494305E+22	1,494283E+22	1,700502E+22	2,010793E+22
1003	2,299217E+22	2,488484E+22	2,570651E+22	2,570670E+22	2,488527E+22	2,299261E+22	2,010815E+22	1,700513E+22	1,494296E+22	1,494320E+22	1,700571E+22	2,010863E+22
1004	2,299240E+22	2,488438E+22	2,570556E+22	2,570537E+22	2,488413E+22	2,299228E+22	2,010840E+22	1,700549E+22	1,494320E+22	1,494325E+22	1,700556E+22	2,010834E+22
1005	2,299198E+22	2,488379E+22	2,570531E+22	2,570564E+22	2,488451E+22	2,299273E+22	2,010897E+22	1,700607E+22	1,494371E+22	1,494362E+22	1,700585E+22	2,010879E+22
1006	2,299294E+22	2,488512E+22	2,570633E+22	2,570611E+22	2,488427E+22	2,299198E+22	2,010838E+22	1,700594E+22	1,494392E+22	1,494401E+22	1,700613E+22	2,010872E+22
1007	2,299243E+22	2,488428E+22	2,570517E+22	2,570505E+22	2,488396E+22	2,299219E+22	2,010872E+22	1,700637E+22	1,494437E+22	1,494422E+22	1,700598E+22	2,010822E+22
1008	2,299186E+22	2,488434E+22	2,570622E+22	2,570621E+22	2,488469E+22	2,299259E+22	2,010882E+22	1,700636E+22	1,494449E+22	1,494456E+22	1,700655E+22	2,010903E+22
1009	2,299271E+22	2,488480E+22	2,570629E+22	2,570612E+22	2,488418E+22	2,299192E+22	2,010845E+22	1,700628E+22	1,494458E+22	1,494476E+22	1,700662E+22	2,010868E+22
1010	2,299185E+22	2,488344E+22	2,570472E+22	2,570526E+22	2,488443E+22	2,299268E+22	2,010921E+22	1,700688E+22	1,494489E+22	1,494473E+22	1,700643E+22	2,010858E+22
1011	2,299206E+22	2,488430E+22	2,570596E+22	2,570616E+22	2,488498E+22	2,299282E+22	2,010894E+22	1,700646E+22	1,494460E+22	1,494471E+22	1,700672E+22	2,010915E+22
1012	2,299265E+22	2,488444E+22	2,570551E+22	2,570514E+22	2,488372E+22	2,299211E+22	2,010884E+22	1,700653E+22	1,494456E+22	1,494446E+22	1,700624E+22	2,010851E+22
1013	2,299192E+22	2,488364E+22	2,570500E+22	2,570525E+22	2,488410E+22	2,299242E+22	2,010913E+22	1,700677E+22	1,494468E+22	1,494445E+22	1,700621E+22	2,010861E+22
1014	2,299251E+22	2,488491E+22	2,570640E+22	2,570628E+22	2,488450E+22	2,299199E+22	2,010830E+22	1,700603E+22	1,494419E+22	1,494432E+22	1,700638E+22	2,010879E+22
1015	2,299225E+22	2,488408E+22	2,570524E+22	2,570514E+22	2,488402E+22	2,299216E+22	2,010845E+22	1,700592E+22	1,494389E+22	1,494387E+22	1,700589E+22	2,010830E+22
1016	2,299177E+22	2,488389E+22	2,570576E+22	2,570601E+22	2,488468E+22	2,299264E+22	2,010869E+22	1,700576E+22	1,494350E+22	1,494354E+22	1,700588E+22	2,010890E+22
1017	2,299297E+22	2,488504E+22	2,570631E+22	2,570618E+22	2,488437E+22	2,299196E+22	2,010813E+22	1,700542E+22	1,494325E+22	1,494338E+22	1,700565E+22	2,010838E+22
1018	2,299218E+22	2,488405E+22	2,570496E+22	2,570504E+22	2,488421E+22	2,299244E+22	2,010871E+22	1,700590E+22	1,494348E+22	1,494323E+22	1,700525E+22	2,010792E+22
1019	2,299191E+22	2,488453E+22	2,570635E+22	2,570637E+22	2,488502E+22	2,299272E+22	2,010851E+22	1,700556E+22	1,494331E+22	1,494332E+22	1,700559E+22	2,010849E+22
1020	2,299250E+22	2,488474E+22	2,570619E+22	2,570591E+22	2,488414E+22	2,299199E+22	2,010828E+22	1,700560E+22	1,494342E+22	1,494342E+22	1,700554E+22	2,010814E+22
1021	2,299172E+22	2,488346E+22	2,570488E+22	2,570538E+22	2,488438E+22	2,299247E+22	2,010881E+22	1,700615E+22	1,494391E+22	1,494377E+22	1,700580E+22	2,010839E+22
1022	2,299224E+22	2,488457E+22	2,570614E+22	2,570628E+22	2,488484E+22	2,299241E+22	2,010845E+22	1,700583E+22	1,494382E+22	1,494401E+22	1,700628E+22	2,010894E+22
1023	2,299248E+22	2,488420E+22	2,570516E+22	2,570491E+22	2,488379E+22	2,299215E+22	2,010865E+22	1,700620E+22	1,494419E+22	1,494417E+22	1,700613E+22	2,010848E+22
1024	2,299188E+22	2,488380E+22	2,570537E+22	2,570540E+22	2,488409E+22	2,299239E+22	2,010900E+22	1,700659E+22	1,494457E+22	1,494448E+22	1,700638E+22	2,010892E+22
1025	2,299286E+22	2,488508E+22	2,570643E+22	2,570614E+22	2,488412E+22	2,299174E+22	2,010837E+22	1,700638E+22	1,494480E+22	1,494498E+22	1,700674E+22	2,010876E+22
1026	2,299208E+22	2,488390E+22	2,570498E+22	2,570490E+22	2,488384E+22	2,299210E+22	2,010889E+22	1,700698E+22	1,494533E+22	1,494522E+22	1,700670E+22	2,010848E+22
1027	2,299161E+22	2,488376E+22	2,570572E+22	2,570607E+22	2,488486E+22	2,299275E+22	2,010903E+22	1,700684E+22	1,494525E+22	1,494535E+22	1,700709E+22	2,010923E+22
1028	2,299258E+22	2,488438E+22	2,570576E+22	2,570570E+22	2,488410E+22	2,299212E+22	2,010887E+22	1,700691E+22	1,494532E+22	1,494540E+22	1,700705E+22	2,010895E+22
1029	2,299193E+22	2,488325E+22	2,570428E+22	2,570455E+22	2,488379E+22	2,299241E+22	2,010944E+22	1,700752E+22	1,494574E+22	1,494549E+22	1,700692E+22	2,010880E+22
1030	2,299211E+22	2,488423E+22	2,570584E+22	2,570580E+22	2,488437E+22	2,299241E+22	2,010909E+22	1,700710E+22	1,494545E+22	1,494546E+22	1,700710E+22	2,010916E+22
1031	2,299245E+22	2,488420E+22	2,570536E+22	2,570497E+22	2,488347E+22	2,299185E+22	2,010886E+22	1,700702E+22	1,494540E+22	1,494533E+22	1,700680E+22	2,010854E+22
1032	2,299159E+22	2,488339E+22	2,570498E+22	2,570521E+22	2,488394E+22	2,299215E+22	2,010897E+22	1,700696E+22	1,494523E+22	1,494513E+22	1,700676E+22	2,010887E+22

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	2,299245E+22	2,488468E+22	2,570620E+22	2,570618E+22	2,488451E+22	2,299202E+22	2,010833E+22	1,700623E+22	1,494469E+22	1,494496E+22	1,700685E+22	2,010898E+22
1034	2,299218E+22	2,488383E+22	2,570492E+22	2,570476E+22	2,488378E+22	2,299218E+22	2,010876E+22	1,700647E+22	1,494455E+22	1,494447E+22	1,700628E+22	2,010850E+22
1035	2,299178E+22	2,488366E+22	2,570541E+22	2,570576E+22	2,488463E+22	2,299267E+22	2,010891E+22	1,700630E+22	1,494420E+22	1,494410E+22	1,700609E+22	2,010882E+22
1036	2,299282E+22	2,488492E+22	2,570618E+22	2,570599E+22	2,488425E+22	2,299202E+22	2,010845E+22	1,700606E+22	1,494406E+22	1,494404E+22	1,700598E+22	2,010841E+22
1037	2,299199E+22	2,488380E+22	2,570482E+22	2,570473E+22	2,488374E+22	2,299209E+22	2,010879E+22	1,700651E+22	1,494442E+22	1,494419E+22	1,700592E+22	2,010814E+22
1038	2,299168E+22	2,488409E+22	2,570608E+22	2,570620E+22	2,488476E+22	2,299251E+22	2,010865E+22	1,700615E+22	1,494421E+22	1,494427E+22	1,700628E+22	2,010875E+22
1039	2,299232E+22	2,488424E+22	2,570567E+22	2,570554E+22	2,488400E+22	2,299204E+22	2,010849E+22	1,700613E+22	1,494430E+22	1,494440E+22	1,700630E+22	2,010847E+22
1040	2,299169E+22	2,488327E+22	2,570458E+22	2,570489E+22	2,488390E+22	2,299220E+22	2,010887E+22	1,700658E+22	1,494461E+22	1,494452E+22	1,700638E+22	2,010876E+22
1041	2,299247E+22	2,488462E+22	2,570600E+22	2,570594E+22	2,488447E+22	2,299217E+22	2,010850E+22	1,700632E+22	1,494466E+22	1,494484E+22	1,700674E+22	2,010903E+22
1042	2,299243E+22	2,488417E+22	2,570515E+22	2,570465E+22	2,488337E+22	2,299185E+22	2,010878E+22	1,700685E+22	1,494516E+22	1,494508E+22	1,700665E+22	2,010854E+22
1043	2,299165E+22	2,488348E+22	2,570522E+22	2,570548E+22	2,488416E+22	2,299228E+22	2,010905E+22	1,700709E+22	1,494544E+22	1,494535E+22	1,700686E+22	2,010890E+22
1044	2,299248E+22	2,488464E+22	2,570618E+22	2,570614E+22	2,488435E+22	2,299200E+22	2,010867E+22	1,700694E+22	1,494561E+22	1,494578E+22	1,700733E+22	2,010901E+22
1045	2,299187E+22	2,488340E+22	2,570451E+22	2,570445E+22	2,488354E+22	2,299211E+22	2,010921E+22	1,700761E+22	1,494619E+22	1,494611E+22	1,700740E+22	2,010885E+22
1046	2,299159E+22	2,488336E+22	2,570523E+22	2,570560E+22	2,488445E+22	2,299269E+22	2,010948E+22	1,700762E+22	1,494615E+22	1,494614E+22	1,700756E+22	2,010938E+22
1047	2,299253E+22	2,488412E+22	2,570531E+22	2,570517E+22	2,488373E+22	2,299205E+22	2,010918E+22	1,700763E+22	1,494631E+22	1,494631E+22	1,700757E+22	2,010900E+22
1048	2,299178E+22	2,488321E+22	2,570423E+22	2,570417E+22	2,488320E+22	2,299197E+22	2,010940E+22	1,700797E+22	1,494652E+22	1,494630E+22	1,700745E+22	2,010896E+22
1049	2,299207E+22	2,488417E+22	2,570584E+22	2,570573E+22	2,488412E+22	2,299206E+22	2,010894E+22	1,700741E+22	1,494620E+22	1,494632E+22	1,700767E+22	2,010928E+22
1050	2,299225E+22	2,488389E+22	2,570517E+22	2,570484E+22	2,488332E+22	2,299169E+22	2,010886E+22	1,700738E+22	1,494610E+22	1,494613E+22	1,700743E+22	2,010886E+22
1051	2,299153E+22	2,488298E+22	2,570459E+22	2,570513E+22	2,488407E+22	2,299225E+22	2,010905E+22	1,700723E+22	1,494571E+22	1,494567E+22	1,700714E+22	2,010904E+22
1052	2,299247E+22	2,488451E+22	2,570591E+22	2,570592E+22	2,488447E+22	2,299223E+22	2,010870E+22	1,700672E+22	1,494521E+22	1,494536E+22	1,700711E+22	2,010913E+22
1053	2,299222E+22	2,488376E+22	2,570472E+22	2,570431E+22	2,488327E+22	2,299198E+22	2,010899E+22	1,700707E+22	1,494532E+22	1,494514E+22	1,700663E+22	2,010855E+22
1054	2,299171E+22	2,488354E+22	2,570535E+22	2,570557E+22	2,488423E+22	2,299245E+22	2,010915E+22	1,700695E+22	1,494507E+22	1,494487E+22	1,700643E+22	2,010867E+22
1055	2,299244E+22	2,488451E+22	2,570594E+22	2,570586E+22	2,488413E+22	2,299194E+22	2,010860E+22	1,700664E+22	1,494501E+22	1,494502E+22	1,700660E+22	2,010841E+22
1056	2,299158E+22	2,488341E+22	2,570460E+22	2,570455E+22	2,488353E+22	2,299191E+22	2,010877E+22	1,700685E+22	1,494515E+22	1,494506E+22	1,700664E+22	2,010851E+22
1057	2,299167E+22	2,488377E+22	2,570569E+22	2,570589E+22	2,488455E+22	2,299243E+22	2,010872E+22	1,700653E+22	1,494494E+22	1,494512E+22	1,700691E+22	2,010906E+22
1058	2,299233E+22	2,488395E+22	2,570522E+22	2,570502E+22	2,488358E+22	2,299191E+22	2,010874E+22	1,700676E+22	1,494516E+22	1,494524E+22	1,700691E+22	2,010881E+22
1059	2,299180E+22	2,488310E+22	2,570426E+22	2,570465E+22	2,488373E+22	2,299208E+22	2,010897E+22	1,700708E+22	1,494541E+22	1,494527E+22	1,700677E+22	2,010880E+22
1060	2,299241E+22	2,488460E+22	2,570596E+22	2,570577E+22	2,488426E+22	2,299213E+22	2,010874E+22	1,700693E+22	1,494551E+22	1,494561E+22	1,700722E+22	2,010913E+22
1061	2,299225E+22	2,488394E+22	2,570507E+22	2,570449E+22	2,488301E+22	2,299157E+22	2,010888E+22	1,700747E+22	1,494615E+22	1,494609E+22	1,700735E+22	2,010877E+22
1062	2,299146E+22	2,488307E+22	2,570493E+22	2,570535E+22	2,488403E+22	2,299228E+22	2,010931E+22	1,700771E+22	1,494636E+22	1,494628E+22	1,700748E+22	2,010906E+22
1063	2,299224E+22	2,488411E+22	2,570563E+22	2,570577E+22	2,488425E+22	2,299219E+22	2,010907E+22	1,700761E+22	1,494653E+22	1,494672E+22	1,700797E+22	2,010920E+22
1064	2,299177E+22	2,488317E+22	2,570416E+22	2,570394E+22	2,488302E+22	2,299190E+22	2,010941E+22	1,700818E+22	1,494697E+22	1,494688E+22	1,700794E+22	2,010913E+22
1065	2,299171E+22	2,488332E+22	2,570498E+22	2,570518E+22	2,488396E+22	2,299239E+22	2,010954E+22	1,700817E+22	1,494705E+22	1,494700E+22	1,700801E+22	2,010940E+22
1066	2,299237E+22	2,488399E+22	2,570518E+22	2,570487E+22	2,488325E+22	2,299171E+22	2,010925E+22	1,700822E+22	1,494724E+22	1,494724E+22	1,700815E+22	2,010912E+22
1067	2,299158E+22	2,488289E+22	2,570405E+22	2,570425E+22	2,488322E+22	2,299176E+22	2,010928E+22	1,700827E+22	1,494721E+22	1,494706E+22	1,700794E+22	2,010903E+22
1068	2,299185E+22	2,488389E+22	2,570565E+22	2,570571E+22	2,488422E+22	2,299222E+22	2,010911E+22	1,700776E+22	1,494676E+22	1,494691E+22	1,700818E+22	2,010959E+22

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	2,299219E+22	2,488358E+22	2,570484E+22	2,570455E+22	2,488305E+22	2,299165E+22	2,010907E+22	1,700783E+22	1,494672E+22	1,494677E+22	1,700794E+22	2,010917E+22
1070	2,299161E+22	2,488278E+22	2,570426E+22	2,570483E+22	2,488380E+22	2,299227E+22	2,010944E+22	1,700783E+22	1,494639E+22	1,494623E+22	1,700741E+22	2,010904E+22
1071	2,299235E+22	2,488433E+22	2,570564E+22	2,570561E+22	2,488426E+22	2,299231E+22	2,010904E+22	1,700736E+22	1,494606E+22	1,494613E+22	1,700748E+22	2,010901E+22
1072	2,299196E+22	2,488370E+22	2,570470E+22	2,570407E+22	2,488278E+22	2,299163E+22	2,010902E+22	1,700752E+22	1,494608E+22	1,494592E+22	1,700714E+22	2,010864E+22
1073	2,299152E+22	2,488329E+22	2,570515E+22	2,570547E+22	2,488403E+22	2,299219E+22	2,010908E+22	1,700736E+22	1,494592E+22	1,494581E+22	1,700705E+22	2,010879E+22
1074	2,299213E+22	2,488402E+22	2,570551E+22	2,570560E+22	2,488395E+22	2,299185E+22	2,010868E+22	1,700708E+22	1,494581E+22	1,494595E+22	1,700736E+22	2,010882E+22
1075	2,299156E+22	2,488292E+22	2,570401E+22	2,570427E+22	2,488343E+22	2,299188E+22	2,010886E+22	1,700719E+22	1,494575E+22	1,494572E+22	1,700715E+22	2,010881E+22
1076	2,299181E+22	2,488371E+22	2,570536E+22	2,570547E+22	2,488424E+22	2,299244E+22	2,010904E+22	1,700709E+22	1,494559E+22	1,494568E+22	1,700733E+22	2,010935E+22
1077	2,299246E+22	2,488397E+22	2,570508E+22	2,570460E+22	2,488297E+22	2,299154E+22	2,010887E+22	1,700738E+22	1,494604E+22	1,494605E+22	1,700739E+22	2,010894E+22
1078	2,299177E+22	2,488307E+22	2,570428E+22	2,570454E+22	2,488337E+22	2,299187E+22	2,010919E+22	1,700772E+22	1,494634E+22	1,494614E+22	1,700720E+22	2,010869E+22
1079	2,299202E+22	2,488425E+22	2,570580E+22	2,570577E+22	2,488427E+22	2,299218E+22	2,010898E+22	1,700755E+22	1,494651E+22	1,494665E+22	1,700784E+22	2,010910E+22
1080	2,299183E+22	2,488357E+22	2,570482E+22	2,570433E+22	2,488285E+22	2,299153E+22	2,010903E+22	1,700795E+22	1,494697E+22	1,494701E+22	1,700804E+22	2,010907E+22
1081	2,299137E+22	2,488269E+22	2,570446E+22	2,570504E+22	2,488387E+22	2,299230E+22	2,010955E+22	1,700832E+22	1,494728E+22	1,494720E+22	1,700808E+22	2,010925E+22
1082	2,299209E+22	2,488373E+22	2,570510E+22	2,570526E+22	2,488385E+22	2,299210E+22	2,010942E+22	1,700838E+22	1,494754E+22	1,494766E+22	1,700860E+22	2,010947E+22
1083	2,299175E+22	2,488290E+22	2,570377E+22	2,570366E+22	2,488273E+22	2,299170E+22	2,010954E+22	1,700874E+22	1,494784E+22	1,494770E+22	1,700842E+22	2,010922E+22
1084	2,299163E+22	2,488327E+22	2,570490E+22	2,570497E+22	2,488362E+22	2,299222E+22	2,010971E+22	1,700873E+22	1,494785E+22	1,494779E+22	1,700860E+22	2,010962E+22
1085	2,299220E+22	2,488374E+22	2,570502E+22	2,570470E+22	2,488289E+22	2,299135E+22	2,010921E+22	1,700867E+22	1,494807E+22	1,494816E+22	1,700888E+22	2,010946E+22
1086	2,299154E+22	2,488263E+22	2,570380E+22	2,570412E+22	2,488313E+22	2,299178E+22	2,010944E+22	1,700863E+22	1,494785E+22	1,494778E+22	1,700847E+22	2,010924E+22
1087	2,299176E+22	2,488358E+22	2,570522E+22	2,570539E+22	2,488413E+22	2,299240E+22	2,010943E+22	1,700823E+22	1,494740E+22	1,494757E+22	1,700862E+22	2,010969E+22
1088	2,299217E+22	2,488355E+22	2,570465E+22	2,570422E+22	2,488266E+22	2,299147E+22	2,010923E+22	1,700827E+22	1,494730E+22	1,494728E+22	1,700825E+22	2,010929E+22
1089	2,299168E+22	2,488282E+22	2,570416E+22	2,570460E+22	2,488345E+22	2,299202E+22	2,010949E+22	1,700832E+22	1,494717E+22	1,494690E+22	1,700767E+22	2,010886E+22
1090	2,299198E+22	2,488405E+22	2,570546E+22	2,570542E+22	2,488394E+22	2,299207E+22	2,010918E+22	1,700792E+22	1,494691E+22	1,494696E+22	1,700799E+22	2,010903E+22
1091	2,299160E+22	2,488319E+22	2,570438E+22	2,570413E+22	2,488283E+22	2,299153E+22	2,010901E+22	1,700785E+22	1,494674E+22	1,494667E+22	1,700767E+22	2,010876E+22
1092	2,299128E+22	2,488292E+22	2,570475E+22	2,570521E+22	2,488394E+22	2,299230E+22	2,010932E+22	1,700777E+22	1,494651E+22	1,494647E+22	1,700767E+22	2,010918E+22
1093	2,299209E+22	2,488369E+22	2,570503E+22	2,570509E+22	2,488349E+22	2,299168E+22	2,010890E+22	1,700762E+22	1,494656E+22	1,494671E+22	1,700798E+22	2,010924E+22
1094	2,299175E+22	2,488286E+22	2,570369E+22	2,570384E+22	2,488303E+22	2,299177E+22	2,010914E+22	1,700777E+22	1,494653E+22	1,494642E+22	1,700753E+22	2,010888E+22
1095	2,299178E+22	2,488368E+22	2,570520E+22	2,570517E+22	2,488392E+22	2,299234E+22	2,010930E+22	1,700774E+22	1,494653E+22	1,494655E+22	1,700777E+22	2,010927E+22
1096	2,299225E+22	2,488400E+22	2,570518E+22	2,570454E+22	2,488257E+22	2,299116E+22	2,010888E+22	1,700788E+22	1,494689E+22	1,494693E+22	1,700797E+22	2,010906E+22
1097	2,299156E+22	2,488284E+22	2,570418E+22	2,570458E+22	2,488330E+22	2,299168E+22	2,010918E+22	1,700824E+22	1,494731E+22	1,494715E+22	1,700785E+22	2,010877E+22
1098	2,299160E+22	2,488368E+22	2,570534E+22	2,570554E+22	2,488420E+22	2,299227E+22	2,010927E+22	1,700816E+22	1,494745E+22	1,494767E+22	1,700863E+22	2,010946E+22
1099	2,299169E+22	2,488302E+22	2,570421E+22	2,570407E+22	2,488278E+22	2,299158E+22	2,010931E+22	1,700851E+22	1,494775E+22	1,494781E+22	1,700861E+22	2,010932E+22
1100	2,299140E+22	2,488255E+22	2,570403E+22	2,570452E+22	2,488351E+22	2,299230E+22	2,010995E+22	1,700903E+22	1,494812E+22	1,494795E+22	1,700863E+22	2,010953E+22
1101	2,299207E+22	2,488361E+22	2,570485E+22	2,570477E+22	2,488321E+22	2,299169E+22	2,010955E+22	1,700907E+22	1,494855E+22	1,494862E+22	1,700922E+22	2,010969E+22
1102	2,299171E+22	2,488279E+22	2,570366E+22	2,570345E+22	2,488237E+22	2,299144E+22	2,010965E+22	1,700928E+22	1,494873E+22	1,494861E+22	1,700897E+22	2,010927E+22
1103	2,299135E+22	2,488297E+22	2,570472E+22	2,570491E+22	2,488358E+22	2,299217E+22	2,010984E+22	1,700922E+22	1,494868E+22	1,494870E+22	1,700923E+22	2,010975E+22
1104	2,299201E+22	2,488354E+22	2,570484E+22	2,570453E+22	2,488269E+22	2,299122E+22	2,010925E+22	1,700896E+22	1,494863E+22	1,494883E+22	1,700945E+22	2,010980E+22

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	2,299159E+22	2,488246E+22	2,570349E+22	2,570389E+22	2,488299E+22	2,299174E+22	2,010960E+22	1,700909E+22	1,494853E+22	1,494840E+22	1,700882E+22	2,010932E+22
1106	2,299163E+22	2,488335E+22	2,570488E+22	2,570503E+22	2,488389E+22	2,299238E+22	2,010975E+22	1,700884E+22	1,494815E+22	1,494822E+22	1,700898E+22	2,010975E+22
1107	2,299203E+22	2,488329E+22	2,570439E+22	2,570407E+22	2,488249E+22	2,299133E+22	2,010936E+22	1,700874E+22	1,494798E+22	1,494789E+22	1,700853E+22	2,010920E+22
1108	2,299144E+22	2,488269E+22	2,570403E+22	2,570442E+22	2,488323E+22	2,299191E+22	2,010970E+22	1,700885E+22	1,494786E+22	1,494760E+22	1,700820E+22	2,010901E+22
1109	2,299163E+22	2,488360E+22	2,570514E+22	2,570520E+22	2,488365E+22	2,299177E+22	2,010918E+22	1,700839E+22	1,494772E+22	1,494785E+22	1,700870E+22	2,010940E+22
1110	2,299152E+22	2,488281E+22	2,570394E+22	2,570378E+22	2,488265E+22	2,299154E+22	2,010920E+22	1,700823E+22	1,494740E+22	1,494741E+22	1,700826E+22	2,010905E+22
1111	2,299126E+22	2,488267E+22	2,570433E+22	2,570476E+22	2,488365E+22	2,299229E+22	2,010962E+22	1,700831E+22	1,494722E+22	1,494719E+22	1,700816E+22	2,010937E+22
1112	2,299218E+22	2,488378E+22	2,570487E+22	2,570466E+22	2,488294E+22	2,299132E+22	2,010896E+22	1,700808E+22	1,494724E+22	1,494736E+22	1,700839E+22	2,010943E+22
1113	2,299186E+22	2,488301E+22	2,570373E+22	2,570370E+22	2,488270E+22	2,299143E+22	2,010912E+22	1,700830E+22	1,494741E+22	1,494722E+22	1,700789E+22	2,010877E+22
1114	2,299143E+22	2,488343E+22	2,570513E+22	2,570515E+22	2,488377E+22	2,299216E+22	2,010943E+22	1,700833E+22	1,494747E+22	1,494750E+22	1,700837E+22	2,010934E+22
1115	2,299186E+22	2,488345E+22	2,570489E+22	2,570471E+22	2,488278E+22	2,299117E+22	2,010898E+22	1,700832E+22	1,494767E+22	1,494778E+22	1,700856E+22	2,010921E+22
1116	2,299130E+22	2,488244E+22	2,570377E+22	2,570434E+22	2,488330E+22	2,299192E+22	2,010962E+22	1,700886E+22	1,494807E+22	1,494796E+22	1,700857E+22	2,010915E+22
1117	2,299142E+22	2,488316E+22	2,570475E+22	2,570501E+22	2,488381E+22	2,299218E+22	2,010965E+22	1,700895E+22	1,494844E+22	1,494862E+22	1,700934E+22	2,010986E+22
1118	2,299180E+22	2,488285E+22	2,570377E+22	2,570350E+22	2,488237E+22	2,299154E+22	2,010969E+22	1,700925E+22	1,494874E+22	1,494872E+22	1,700915E+22	2,010946E+22
1119	2,299134E+22	2,488245E+22	2,570379E+22	2,570404E+22	2,488301E+22	2,299208E+22	2,011021E+22	1,700976E+22	1,494916E+22	1,494896E+22	1,700921E+22	2,010958E+22
1120	2,299193E+22	2,488358E+22	2,570481E+22	2,570454E+22	2,488271E+22	2,299120E+22	2,010947E+22	1,700953E+22	1,494940E+22	1,494954E+22	1,700991E+22	2,010999E+22
1121	2,299167E+22	2,488266E+22	2,570358E+22	2,570345E+22	2,488226E+22	2,299114E+22	2,010948E+22	1,700963E+22	1,494954E+22	1,494946E+22	1,700955E+22	2,010945E+22
1122	2,299113E+22	2,488256E+22	2,570435E+22	2,570468E+22	2,488349E+22	2,299217E+22	2,011001E+22	1,700964E+22	1,494936E+22	1,494944E+22	1,700982E+22	2,011006E+22
1123	2,299198E+22	2,488316E+22	2,570444E+22	2,570440E+22	2,488268E+22	2,299125E+22	2,010947E+22	1,700936E+22	1,494915E+22	1,494930E+22	1,700972E+22	2,010989E+22
1124	2,299160E+22	2,488246E+22	2,570333E+22	2,570355E+22	2,488272E+22	2,299174E+22	2,010994E+22	1,700967E+22	1,494913E+22	1,494890E+22	1,700913E+22	2,010934E+22
1125	2,299138E+22	2,488312E+22	2,570472E+22	2,570472E+22	2,488343E+22	2,299208E+22	2,010991E+22	1,700947E+22	1,494903E+22	1,494900E+22	1,700939E+22	2,010976E+22
1126	2,299178E+22	2,488304E+22	2,570423E+22	2,570389E+22	2,488232E+22	2,299123E+22	2,010950E+22	1,700923E+22	1,494878E+22	1,494870E+22	1,700899E+22	2,010917E+22
1127	2,299105E+22	2,488225E+22	2,570370E+22	2,570419E+22	2,488316E+22	2,299191E+22	2,010987E+22	1,700934E+22	1,494866E+22	1,494845E+22	1,700879E+22	2,010917E+22
1128	2,299147E+22	2,488329E+22	2,570475E+22	2,570482E+22	2,488334E+22	2,299159E+22	2,010924E+22	1,700873E+22	1,494832E+22	1,494854E+22	1,700932E+22	2,010984E+22
1129	2,299168E+22	2,488268E+22	2,570364E+22	2,570345E+22	2,488237E+22	2,299131E+22	2,010925E+22	1,700871E+22	1,494812E+22	1,494807E+22	1,700868E+22	2,010923E+22
1130	2,299124E+22	2,488253E+22	2,570408E+22	2,570440E+22	2,488332E+22	2,299212E+22	2,010980E+22	1,700888E+22	1,494802E+22	1,494794E+22	1,700864E+22	2,010953E+22
1131	2,299211E+22	2,488363E+22	2,570481E+22	2,570463E+22	2,488278E+22	2,299112E+22	2,010903E+22	1,700852E+22	1,494795E+22	1,494806E+22	1,700878E+22	2,010943E+22
1132	2,299166E+22	2,488292E+22	2,570376E+22	2,570368E+22	2,488262E+22	2,299136E+22	2,010932E+22	1,700885E+22	1,494818E+22	1,494804E+22	1,700852E+22	2,010894E+22
1133	2,299105E+22	2,488291E+22	2,570480E+22	2,570499E+22	2,488367E+22	2,299207E+22	2,010959E+22	1,700893E+22	1,494842E+22	1,494850E+22	1,700912E+22	2,010968E+22
1134	2,299176E+22	2,488301E+22	2,570435E+22	2,570426E+22	2,488270E+22	2,299139E+22	2,010938E+22	1,700893E+22	1,494854E+22	1,494867E+22	1,700919E+22	2,010947E+22
1135	2,299122E+22	2,488212E+22	2,570327E+22	2,570375E+22	2,488296E+22	2,299196E+22	2,011010E+22	1,700967E+22	1,494905E+22	1,494886E+22	1,700913E+22	2,010937E+22
1136	2,299149E+22	2,488313E+22	2,570446E+22	2,570444E+22	2,488313E+22	2,299174E+22	2,010975E+22	1,700958E+22	1,494936E+22	1,494947E+22	1,700989E+22	2,011010E+22
1137	2,299185E+22	2,488286E+22	2,570373E+22	2,570324E+22	2,488189E+22	2,299104E+22	2,010963E+22	1,700985E+22	1,494977E+22	1,494967E+22	1,700967E+22	2,010947E+22
1138	2,299104E+22	2,488218E+22	2,570369E+22	2,570395E+22	2,488278E+22	2,299178E+22	2,011021E+22	1,701027E+22	1,495008E+22	1,494996E+22	1,700991E+22	2,010978E+22
1139	2,299166E+22	2,488311E+22	2,570459E+22	2,570461E+22	2,488279E+22	2,299113E+22	2,010947E+22	1,700984E+22	1,495004E+22	1,495028E+22	1,701044E+22	2,011018E+22
1140	2,299156E+22	2,488242E+22	2,570336E+22	2,570327E+22	2,488226E+22	2,299133E+22	2,010982E+22	1,701011E+22	1,495010E+22	1,495008E+22	1,701009E+22	2,010973E+22

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	2,299101E+22	2,488219E+22	2,570394E+22	2,570433E+22	2,488322E+22	2,299211E+22	2,011032E+22	1,701029E+22	1,495016E+22	1,495014E+22	1,701024E+22	2,011026E+22
1142	2,299201E+22	2,488302E+22	2,570412E+22	2,570396E+22	2,488248E+22	2,299134E+22	2,010982E+22	1,701000E+22	1,494996E+22	1,494998E+22	1,701002E+22	2,010980E+22
1143	2,299135E+22	2,488228E+22	2,570320E+22	2,570323E+22	2,488240E+22	2,299165E+22	2,011024E+22	1,701035E+22	1,495004E+22	1,494974E+22	1,700956E+22	2,010928E+22
1144	2,299110E+22	2,488284E+22	2,570454E+22	2,570449E+22	2,488304E+22	2,299168E+22	2,010984E+22	1,700989E+22	1,494980E+22	1,494984E+22	1,701002E+22	2,011001E+22
1145	2,299164E+22	2,488271E+22	2,570397E+22	2,570374E+22	2,488219E+22	2,299099E+22	2,010939E+22	1,700959E+22	1,494954E+22	1,494952E+22	1,700960E+22	2,010943E+22
1146	2,299091E+22	2,488182E+22	2,570323E+22	2,570378E+22	2,488293E+22	2,299184E+22	2,010999E+22	1,700972E+22	1,494929E+22	1,494919E+22	1,700943E+22	2,010960E+22
1147	2,299159E+22	2,488301E+22	2,570440E+22	2,570453E+22	2,488310E+22	2,299145E+22	2,010934E+22	1,700909E+22	1,494883E+22	1,494902E+22	1,700964E+22	2,011004E+22
1148	2,299186E+22	2,488284E+22	2,570364E+22	2,570318E+22	2,488207E+22	2,299119E+22	2,010944E+22	1,700919E+22	1,494871E+22	1,494862E+22	1,700904E+22	2,010931E+22
1149	2,299109E+22	2,488238E+22	2,570405E+22	2,570424E+22	2,488298E+22	2,299182E+22	2,010988E+22	1,700946E+22	1,494889E+22	1,494875E+22	1,700910E+22	2,010958E+22
1150	2,299192E+22	2,488340E+22	2,570470E+22	2,570457E+22	2,488283E+22	2,299121E+22	2,010923E+22	1,700904E+22	1,494879E+22	1,494890E+22	1,700927E+22	2,010941E+22
1151	2,299127E+22	2,488248E+22	2,570349E+22	2,570348E+22	2,488260E+22	2,299151E+22	2,010967E+22	1,700949E+22	1,494911E+22	1,494897E+22	1,700912E+22	2,010909E+22
1152	2,299085E+22	2,488246E+22	2,570430E+22	2,570453E+22	2,488334E+22	2,299199E+22	2,010984E+22	1,700953E+22	1,494928E+22	1,494937E+22	1,700977E+22	2,011005E+22
1153	2,299182E+22	2,488278E+22	2,570396E+22	2,570382E+22	2,488235E+22	2,299117E+22	2,010955E+22	1,700966E+22	1,494955E+22	1,494956E+22	1,700971E+22	2,010962E+22
1154	2,299113E+22	2,488188E+22	2,570291E+22	2,570321E+22	2,488244E+22	2,299169E+22	2,011029E+22	1,701037E+22	1,495009E+22	1,494986E+22	1,700977E+22	2,010958E+22
1155	2,299139E+22	2,488288E+22	2,570434E+22	2,570427E+22	2,488277E+22	2,299139E+22	2,010977E+22	1,701009E+22	1,495021E+22	1,495034E+22	1,701043E+22	2,011023E+22
1156	2,299173E+22	2,488276E+22	2,570376E+22	2,570322E+22	2,488172E+22	2,299082E+22	2,010966E+22	1,701031E+22	1,495054E+22	1,495056E+22	1,701040E+22	2,010973E+22
1157	2,299078E+22	2,488172E+22	2,570339E+22	2,570381E+22	2,488268E+22	2,299166E+22	2,011025E+22	1,701073E+22	1,495093E+22	1,495088E+22	1,701063E+22	2,011016E+22
1158	2,299167E+22	2,488281E+22	2,570416E+22	2,570424E+22	2,488280E+22	2,299141E+22	2,010981E+22	1,701032E+22	1,495074E+22	1,495098E+22	1,701091E+22	2,011034E+22
1159	2,299149E+22	2,488221E+22	2,570306E+22	2,570285E+22	2,488202E+22	2,299143E+22	2,011027E+22	1,701083E+22	1,495094E+22	1,495077E+22	1,701042E+22	2,010976E+22
1160	2,299099E+22	2,488209E+22	2,570371E+22	2,570391E+22	2,488273E+22	2,299182E+22	2,011045E+22	1,701088E+22	1,495098E+22	1,495086E+22	1,701061E+22	2,011029E+22
1161	2,299190E+22	2,488291E+22	2,570406E+22	2,570382E+22	2,488216E+22	2,299099E+22	2,010982E+22	1,701057E+22	1,495087E+22	1,495081E+22	1,701044E+22	2,010971E+22
1162	2,299093E+22	2,488183E+22	2,570295E+22	2,570307E+22	2,488222E+22	2,299148E+22	2,011028E+22	1,701081E+22	1,495085E+22	1,495064E+22	1,701023E+22	2,010952E+22
1163	2,299083E+22	2,488227E+22	2,570417E+22	2,570436E+22	2,488298E+22	2,299163E+22	2,010986E+22	1,701014E+22	1,495033E+22	1,495048E+22	1,701056E+22	2,011031E+22
1164	2,299167E+22	2,488250E+22	2,570367E+22	2,570343E+22	2,488201E+22	2,299103E+22	2,010962E+22	1,700995E+22	1,495002E+22	1,495010E+22	1,701016E+22	2,010979E+22
1165	2,299097E+22	2,488161E+22	2,570289E+22	2,570340E+22	2,488257E+22	2,299166E+22	2,011013E+22	1,701024E+22	1,495002E+22	1,494985E+22	1,700986E+22	2,010985E+22
1166	2,299178E+22	2,488308E+22	2,570422E+22	2,570411E+22	2,488285E+22	2,299148E+22	2,010956E+22	1,700961E+22	1,494956E+22	1,494967E+22	1,700992E+22	2,010995E+22
1167	2,299169E+22	2,488280E+22	2,570372E+22	2,570307E+22	2,488183E+22	2,299110E+22	2,010970E+22	1,700983E+22	1,494960E+22	1,494943E+22	1,700942E+22	2,010925E+22
1168	2,299086E+22	2,488213E+22	2,570393E+22	2,570417E+22	2,488276E+22	2,299153E+22	2,010985E+22	1,700991E+22	1,494971E+22	1,494961E+22	1,700968E+22	2,010974E+22
1169	2,299170E+22	2,488300E+22	2,570440E+22	2,570442E+22	2,488277E+22	2,299112E+22	2,010930E+22	1,700956E+22	1,494967E+22	1,494979E+22	1,700988E+22	2,010959E+22
1170	2,299103E+22	2,488194E+22	2,570296E+22	2,570303E+22	2,488234E+22	2,299155E+22	2,010999E+22	1,701011E+22	1,494997E+22	1,494988E+22	1,700983E+22	2,010945E+22
1171	2,299083E+22	2,488206E+22	2,570384E+22	2,570408E+22	2,488293E+22	2,299181E+22	2,011004E+22	1,701011E+22	1,495007E+22	1,495011E+22	1,701023E+22	2,011023E+22
1172	2,299188E+22	2,488279E+22	2,570385E+22	2,570345E+22	2,488189E+22	2,299094E+22	2,010973E+22	1,701026E+22	1,495042E+22	1,495044E+22	1,701031E+22	2,010976E+22
1173	2,299095E+22	2,488165E+22	2,570278E+22	2,570301E+22	2,488203E+22	2,299128E+22	2,011026E+22	1,701096E+22	1,495111E+22	1,495089E+22	1,701043E+22	2,010977E+22
1174	2,299127E+22	2,488263E+22	2,570411E+22	2,570411E+22	2,488275E+22	2,299142E+22	2,010987E+22	1,701057E+22	1,495108E+22	1,495127E+22	1,701104E+22	2,011034E+22
1175	2,299147E+22	2,488239E+22	2,570355E+22	2,570310E+22	2,488172E+22	2,299098E+22	2,010999E+22	1,701089E+22	1,495138E+22	1,495142E+22	1,701096E+22	2,010996E+22
1176	2,299074E+22	2,488140E+22	2,570299E+22	2,570346E+22	2,488241E+22	2,299159E+22	2,011048E+22	1,701127E+22	1,495168E+22	1,495163E+22	1,701116E+22	2,011043E+22

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	2,299174E+22	2,488268E+22	2,570387E+22	2,570391E+22	2,488254E+22	2,299132E+22	2,011006E+22	1,701103E+22	1,495164E+22	1,495173E+22	1,701128E+22	2,011035E+22
1178	2,299132E+22	2,488198E+22	2,570279E+22	2,570246E+22	2,488163E+22	2,299133E+22	2,011055E+22	1,701150E+22	1,495187E+22	1,495166E+22	1,701095E+22	2,010984E+22
1179	2,299074E+22	2,488173E+22	2,570353E+22	2,570377E+22	2,488241E+22	2,299155E+22	2,011051E+22	1,701135E+22	1,495175E+22	1,495163E+22	1,701109E+22	2,011034E+22
1180	2,299169E+22	2,488267E+22	2,570394E+22	2,570375E+22	2,488202E+22	2,299083E+22	2,010984E+22	1,701093E+22	1,495154E+22	1,495163E+22	1,701115E+22	2,010999E+22
1181	2,299073E+22	2,488133E+22	2,570249E+22	2,570278E+22	2,488199E+22	2,299132E+22	2,011029E+22	1,701117E+22	1,495155E+22	1,495143E+22	1,701091E+22	2,010997E+22
1182	2,299102E+22	2,488210E+22	2,570369E+22	2,570386E+22	2,488279E+22	2,299177E+22	2,011011E+22	1,701053E+22	1,495087E+22	1,495104E+22	1,701096E+22	2,011051E+22
1183	2,299178E+22	2,488252E+22	2,570354E+22	2,570309E+22	2,488164E+22	2,299095E+22	2,010990E+22	1,701051E+22	1,495070E+22	1,495065E+22	1,701039E+22	2,010981E+22
1184	2,299105E+22	2,488167E+22	2,570284E+22	2,570313E+22	2,488209E+22	2,299128E+22	2,011011E+22	1,701067E+22	1,495073E+22	1,495050E+22	1,701016E+22	2,010981E+22
1185	2,299165E+22	2,488305E+22	2,570431E+22	2,570416E+22	2,488267E+22	2,299119E+22	2,010954E+22	1,701011E+22	1,495039E+22	1,495044E+22	1,701028E+22	2,010978E+22
1186	2,299120E+22	2,488233E+22	2,570350E+22	2,570304E+22	2,488179E+22	2,299108E+22	2,010982E+22	1,701031E+22	1,495043E+22	1,495034E+22	1,701007E+22	2,010940E+22
1187	2,299047E+22	2,488147E+22	2,570348E+22	2,570402E+22	2,488272E+22	2,299161E+22	2,011006E+22	1,701034E+22	1,495040E+22	1,495035E+22	1,701023E+22	2,010995E+22
1188	2,299159E+22	2,488265E+22	2,570400E+22	2,570409E+22	2,488257E+22	2,299119E+22	2,010965E+22	1,701013E+22	1,495041E+22	1,495060E+22	1,701054E+22	2,010989E+22
1189	2,299096E+22	2,488157E+22	2,570245E+22	2,570253E+22	2,488187E+22	2,299134E+22	2,011021E+22	1,701082E+22	1,495097E+22	1,495082E+22	1,701046E+22	2,010976E+22
1190	2,299096E+22	2,488202E+22	2,570349E+22	2,570353E+22	2,488252E+22	2,299176E+22	2,011028E+22	1,701074E+22	1,495102E+22	1,495103E+22	1,701077E+22	2,011029E+22
1191	2,299173E+22	2,488269E+22	2,570382E+22	2,570328E+22	2,488154E+22	2,299072E+22	2,010991E+22	1,701093E+22	1,495143E+22	1,495144E+22	1,701091E+22	2,010991E+22
1192	2,299086E+22	2,488141E+22	2,570259E+22	2,570288E+22	2,488179E+22	2,299097E+22	2,011016E+22	1,701138E+22	1,495197E+22	1,495187E+22	1,701117E+22	2,011011E+22
1193	2,299125E+22	2,488238E+22	2,570384E+22	2,570396E+22	2,488266E+22	2,299136E+22	2,010999E+22	1,701109E+22	1,495192E+22	1,495213E+22	1,701165E+22	2,011057E+22
1194	2,299135E+22	2,488203E+22	2,570312E+22	2,570277E+22	2,488151E+22	2,299106E+22	2,011036E+22	1,701152E+22	1,495220E+22	1,495223E+22	1,701154E+22	2,011023E+22
1195	2,299071E+22	2,488114E+22	2,570269E+22	2,570315E+22	2,488207E+22	2,299148E+22	2,011074E+22	1,701187E+22	1,495243E+22	1,495227E+22	1,701148E+22	2,011043E+22
1196	2,299165E+22	2,488265E+22	2,570384E+22	2,570369E+22	2,488220E+22	2,299117E+22	2,011028E+22	1,701160E+22	1,495246E+22	1,495256E+22	1,701179E+22	2,011033E+22
1197	2,299097E+22	2,488162E+22	2,570259E+22	2,570234E+22	2,488132E+22	2,299104E+22	2,011060E+22	1,701205E+22	1,495280E+22	1,495262E+22	1,701158E+22	2,011000E+22
1198	2,299056E+22	2,488139E+22	2,570310E+22	2,570345E+22	2,488234E+22	2,299162E+22	2,011063E+22	1,701175E+22	1,495247E+22	1,495244E+22	1,701166E+22	2,011048E+22
1199	2,299146E+22	2,488230E+22	2,570360E+22	2,570349E+22	2,488188E+22	2,299091E+22	2,011012E+22	1,701143E+22	1,495224E+22	1,495234E+22	1,701165E+22	2,011029E+22
1200	2,299085E+22	2,488114E+22	2,570209E+22	2,570239E+22	2,488161E+22	2,299108E+22	2,011033E+22	1,701153E+22	1,495213E+22	1,495203E+22	1,701135E+22	2,011025E+22
1201	2,299120E+22	2,488214E+22	2,570351E+22	2,570355E+22	2,488241E+22	2,299150E+22	2,011020E+22	1,701106E+22	1,495159E+22	1,495164E+22	1,701124E+22	2,011048E+22
1202	2,299163E+22	2,488242E+22	2,570346E+22	2,570291E+22	2,488133E+22	2,299080E+22	2,011007E+22	1,701102E+22	1,495145E+22	1,495139E+22	1,701083E+22	2,010982E+22
1203	2,299075E+22	2,488140E+22	2,570282E+22	2,570318E+22	2,488189E+22	2,299105E+22	2,011014E+22	1,701105E+22	1,495138E+22	1,495118E+22	1,701058E+22	2,010978E+22
1204	2,299131E+22	2,488274E+22	2,570419E+22	2,570421E+22	2,488270E+22	2,299121E+22	2,010965E+22	1,701046E+22	1,495107E+22	1,495128E+22	1,701094E+22	2,010996E+22
1205	2,299089E+22	2,488174E+22	2,570294E+22	2,570276E+22	2,488166E+22	2,299111E+22	2,011003E+22	1,701081E+22	1,495123E+22	1,495122E+22	1,701077E+22	2,010980E+22
1206	2,299056E+22	2,488117E+22	2,570277E+22	2,570336E+22	2,488247E+22	2,299178E+22	2,011044E+22	1,701095E+22	1,495118E+22	1,495110E+22	1,701073E+22	2,011014E+22
1207	2,299159E+22	2,488254E+22	2,570369E+22	2,570362E+22	2,488210E+22	2,299106E+22	2,011001E+22	1,701090E+22	1,495136E+22	1,495140E+22	1,701096E+22	2,011005E+22
1208	2,299104E+22	2,488154E+22	2,570227E+22	2,570217E+22	2,488127E+22	2,299084E+22	2,011017E+22	1,701136E+22	1,495190E+22	1,495175E+22	1,701103E+22	2,010991E+22
1209	2,299090E+22	2,488199E+22	2,570351E+22	2,570347E+22	2,488218E+22	2,299135E+22	2,011026E+22	1,701132E+22	1,495198E+22	1,495200E+22	1,701138E+22	2,011034E+22
1210	2,299139E+22	2,488232E+22	2,570361E+22	2,570323E+22	2,488147E+22	2,299068E+22	2,011004E+22	1,701142E+22	1,495230E+22	1,495243E+22	1,701167E+22	2,011019E+22
1211	2,299061E+22	2,488097E+22	2,570229E+22	2,570275E+22	2,488170E+22	2,299102E+22	2,011039E+22	1,701183E+22	1,495266E+22	1,495261E+22	1,701171E+22	2,011034E+22
1212	2,299121E+22	2,488219E+22	2,570360E+22	2,570375E+22	2,488252E+22	2,299145E+22	2,011036E+22	1,701167E+22	1,495269E+22	1,495292E+22	1,701220E+22	2,011073E+22

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	2,299124E+22	2,488173E+22	2,570271E+22	2,570238E+22	2,488117E+22	2,299095E+22	2,011067E+22	1,701228E+22	1,495320E+22	1,495313E+22	1,701208E+22	2,011038E+22
1214	2,299068E+22	2,488103E+22	2,570232E+22	2,570270E+22	2,488180E+22	2,299149E+22	2,011105E+22	1,701255E+22	1,495337E+22	1,495315E+22	1,701196E+22	2,011038E+22
1215	2,299129E+22	2,488239E+22	2,570374E+22	2,570359E+22	2,488192E+22	2,299096E+22	2,011047E+22	1,701225E+22	1,495340E+22	1,495346E+22	1,701234E+22	2,011048E+22
1216	2,299078E+22	2,488121E+22	2,570221E+22	2,570210E+22	2,488104E+22	2,299070E+22	2,011048E+22	1,701238E+22	1,495355E+22	1,495350E+22	1,701231E+22	2,011039E+22
1217	2,299057E+22	2,488115E+22	2,570274E+22	2,570313E+22	2,488207E+22	2,299145E+22	2,011072E+22	1,701216E+22	1,495311E+22	1,495314E+22	1,701221E+22	2,011075E+22
1218	2,299144E+22	2,488207E+22	2,570319E+22	2,570307E+22	2,488155E+22	2,299082E+22	2,011032E+22	1,701187E+22	1,495285E+22	1,495296E+22	1,701212E+22	2,011054E+22
1219	2,299087E+22	2,488110E+22	2,570199E+22	2,570214E+22	2,488124E+22	2,299084E+22	2,011040E+22	1,701191E+22	1,495267E+22	1,495249E+22	1,701155E+22	2,011022E+22
1220	2,299114E+22	2,488223E+22	2,570365E+22	2,570355E+22	2,488220E+22	2,299131E+22	2,011026E+22	1,701141E+22	1,495222E+22	1,495231E+22	1,701161E+22	2,011038E+22
1221	2,299123E+22	2,488206E+22	2,570331E+22	2,570296E+22	2,488126E+22	2,299064E+22	2,011014E+22	1,701149E+22	1,495223E+22	1,495219E+22	1,701135E+22	2,010992E+22
1222	2,299050E+22	2,488101E+22	2,570234E+22	2,570294E+22	2,488201E+22	2,299130E+22	2,011040E+22	1,701150E+22	1,495207E+22	1,495192E+22	1,701109E+22	2,010986E+22
1223	2,299096E+22	2,488225E+22	2,570377E+22	2,570392E+22	2,488259E+22	2,299138E+22	2,011011E+22	1,701111E+22	1,495185E+22	1,495200E+22	1,701144E+22	2,011025E+22
1224	2,299093E+22	2,488143E+22	2,570238E+22	2,570223E+22	2,488123E+22	2,299089E+22	2,011022E+22	1,701140E+22	1,495207E+22	1,495204E+22	1,701136E+22	2,011013E+22
1225	2,299073E+22	2,488119E+22	2,570249E+22	2,570284E+22	2,488190E+22	2,299144E+22	2,011064E+22	1,701166E+22	1,495213E+22	1,495197E+22	1,701124E+22	2,011024E+22
1226	2,299146E+22	2,488242E+22	2,570353E+22	2,570330E+22	2,488163E+22	2,299077E+22	2,011016E+22	1,701153E+22	1,495234E+22	1,495241E+22	1,701165E+22	2,011023E+22
1227	2,299082E+22	2,488136E+22	2,570229E+22	2,570216E+22	2,488099E+22	2,299046E+22	2,011010E+22	1,701177E+22	1,495268E+22	1,495261E+22	1,701165E+22	2,011009E+22
1228	2,299073E+22	2,488178E+22	2,570342E+22	2,570351E+22	2,488219E+22	2,299128E+22	2,011029E+22	1,701166E+22	1,495273E+22	1,495295E+22	1,701214E+22	2,011063E+22
1229	2,299120E+22	2,488186E+22	2,570317E+22	2,570304E+22	2,488141E+22	2,299075E+22	2,011032E+22	1,701198E+22	1,495313E+22	1,495331E+22	1,701236E+22	2,011058E+22
1230	2,299072E+22	2,488081E+22	2,570175E+22	2,570223E+22	2,488153E+22	2,299120E+22	2,011083E+22	1,701251E+22	1,495349E+22	1,495334E+22	1,701212E+22	2,011038E+22
1231	2,299103E+22	2,488203E+22	2,570340E+22	2,570342E+22	2,488218E+22	2,299140E+22	2,011080E+22	1,701252E+22	1,495370E+22	1,495372E+22	1,701255E+22	2,011076E+22
1232	2,299112E+22	2,488153E+22	2,570248E+22	2,570210E+22	2,488074E+22	2,299055E+22	2,011069E+22	1,701287E+22	1,495418E+22	1,495409E+22	1,701265E+22	2,011046E+22
1233	2,299047E+22	2,488079E+22	2,570211E+22	2,570248E+22	2,488147E+22	2,299114E+22	2,011109E+22	1,701313E+22	1,495429E+22	1,495409E+22	1,701259E+22	2,011049E+22
1234	2,299090E+22	2,488185E+22	2,570331E+22	2,570333E+22	2,488179E+22	2,299092E+22	2,011061E+22	1,701269E+22	1,495416E+22	1,495434E+22	1,701309E+22	2,011085E+22
1235	2,299063E+22	2,488083E+22	2,570189E+22	2,570181E+22	2,488078E+22	2,299057E+22	2,011056E+22	1,701269E+22	1,495405E+22	1,495407E+22	1,701278E+22	2,011069E+22
1236	2,299068E+22	2,488111E+22	2,570257E+22	2,570288E+22	2,488182E+22	2,299133E+22	2,011085E+22	1,701251E+22	1,495368E+22	1,495376E+22	1,701264E+22	2,011091E+22
1237	2,299142E+22	2,488195E+22	2,570297E+22	2,570279E+22	2,488127E+22	2,299067E+22	2,011049E+22	1,701238E+22	1,495357E+22	1,495363E+22	1,701250E+22	2,011064E+22
1238	2,299087E+22	2,488112E+22	2,570182E+22	2,570187E+22	2,488110E+22	2,299084E+22	2,011061E+22	1,701241E+22	1,495337E+22	1,495313E+22	1,701186E+22	2,011008E+22
1239	2,299074E+22	2,488196E+22	2,570362E+22	2,570360E+22	2,488216E+22	2,299125E+22	2,011049E+22	1,701200E+22	1,495301E+22	1,495301E+22	1,701202E+22	2,011047E+22
1240	2,299101E+22	2,488159E+22	2,570289E+22	2,570276E+22	2,488116E+22	2,299050E+22	2,011017E+22	1,701188E+22	1,495296E+22	1,495300E+22	1,701199E+22	2,011024E+22
1241	2,299046E+22	2,488072E+22	2,570188E+22	2,570247E+22	2,488169E+22	2,299122E+22	2,011070E+22	1,701209E+22	1,495281E+22	1,495267E+22	1,701165E+22	2,011011E+22
1242	2,299087E+22	2,488193E+22	2,570328E+22	2,570338E+22	2,488216E+22	2,299126E+22	2,011042E+22	1,701176E+22	1,495268E+22	1,495279E+22	1,701201E+22	2,011050E+22
1243	2,299089E+22	2,488136E+22	2,570226E+22	2,570185E+22	2,488070E+22	2,299049E+22	2,011025E+22	1,701190E+22	1,495283E+22	1,495277E+22	1,701178E+22	2,011023E+22
1244	2,299068E+22	2,488126E+22	2,570264E+22	2,570280E+22	2,488158E+22	2,299105E+22	2,011057E+22	1,701206E+22	1,495297E+22	1,495292E+22	1,701185E+22	2,011031E+22
1245	2,299116E+22	2,488208E+22	2,570336E+22	2,570326E+22	2,488152E+22	2,299055E+22	2,011017E+22	1,701201E+22	1,495324E+22	1,495339E+22	1,701236E+22	2,011050E+22
1246	2,299069E+22	2,488104E+22	2,570189E+22	2,570197E+22	2,488114E+22	2,299069E+22	2,011036E+22	1,701226E+22	1,495345E+22	1,495343E+22	1,701222E+22	2,011026E+22
1247	2,299050E+22	2,488140E+22	2,570312E+22	2,570335E+22	2,488215E+22	2,299143E+22	2,011077E+22	1,701239E+22	1,495358E+22	1,495367E+22	1,701260E+22	2,011089E+22
1248	2,299121E+22	2,488153E+22	2,570267E+22	2,570259E+22	2,488111E+22	2,299060E+22	2,011058E+22	1,701268E+22	1,495408E+22	1,495418E+22	1,701290E+22	2,011078E+22

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	2,299072E+22	2,488074E+22	2,570149E+22	2,570174E+22	2,488105E+22	2,299102E+22	2,011119E+22	1,701334E+22	1,495452E+22	1,495427E+22	1,701265E+22	2,011039E+22
1250	2,299069E+22	2,488168E+22	2,570314E+22	2,570308E+22	2,488177E+22	2,299117E+22	2,011102E+22	1,701323E+22	1,495474E+22	1,495477E+22	1,701326E+22	2,011089E+22
1251	2,299077E+22	2,488117E+22	2,570233E+22	2,570193E+22	2,488044E+22	2,299020E+22	2,011063E+22	1,701329E+22	1,495499E+22	1,495499E+22	1,701332E+22	2,011074E+22
1252	2,299035E+22	2,488051E+22	2,570188E+22	2,570232E+22	2,488134E+22	2,299099E+22	2,011104E+22	1,701339E+22	1,495498E+22	1,495499E+22	1,701332E+22	2,011085E+22
1253	2,299086E+22	2,488145E+22	2,570280E+22	2,570291E+22	2,488156E+22	2,299087E+22	2,011079E+22	1,701313E+22	1,495482E+22	1,495504E+22	1,701367E+22	2,011127E+22
1254	2,299089E+22	2,488083E+22	2,570151E+22	2,570134E+22	2,488058E+22	2,299060E+22	2,011083E+22	1,701318E+22	1,495464E+22	1,495455E+22	1,701302E+22	2,011071E+22
1255	2,299062E+22	2,488114E+22	2,570264E+22	2,570275E+22	2,488155E+22	2,299119E+22	2,011110E+22	1,701313E+22	1,495441E+22	1,495427E+22	1,701280E+22	2,011087E+22
1256	2,299131E+22	2,488181E+22	2,570291E+22	2,570271E+22	2,488106E+22	2,299037E+22	2,011047E+22	1,701282E+22	1,495433E+22	1,495437E+22	1,701290E+22	2,011061E+22
1257	2,299060E+22	2,488091E+22	2,570173E+22	2,570178E+22	2,488097E+22	2,299071E+22	2,011076E+22	1,701292E+22	1,495413E+22	1,495391E+22	1,701235E+22	2,011009E+22
1258	2,299025E+22	2,488132E+22	2,570318E+22	2,570337E+22	2,488214E+22	2,299137E+22	2,011077E+22	1,701252E+22	1,495377E+22	1,495383E+22	1,701264E+22	2,011070E+22
1259	2,299077E+22	2,488117E+22	2,570252E+22	2,570238E+22	2,488090E+22	2,299041E+22	2,011035E+22	1,701234E+22	1,495360E+22	1,495365E+22	1,701248E+22	2,011053E+22
1260	2,299054E+22	2,488060E+22	2,570161E+22	2,570206E+22	2,488133E+22	2,299101E+22	2,011081E+22	1,701257E+22	1,495359E+22	1,495348E+22	1,701219E+22	2,011033E+22
1261	2,299085E+22	2,488174E+22	2,570299E+22	2,570295E+22	2,488175E+22	2,299102E+22	2,011057E+22	1,701236E+22	1,495357E+22	1,495367E+22	1,701259E+22	2,011076E+22
1262	2,299095E+22	2,488133E+22	2,570212E+22	2,570161E+22	2,488047E+22	2,299030E+22	2,011032E+22	1,701239E+22	1,495363E+22	1,495358E+22	1,701229E+22	2,011027E+22
1263	2,299038E+22	2,488100E+22	2,570263E+22	2,570287E+22	2,488153E+22	2,299091E+22	2,011067E+22	1,701260E+22	1,495381E+22	1,495373E+22	1,701241E+22	2,011058E+22
1264	2,299106E+22	2,488167E+22	2,570297E+22	2,570307E+22	2,488150E+22	2,299049E+22	2,011021E+22	1,701242E+22	1,495402E+22	1,495428E+22	1,701304E+22	2,011086E+22
1265	2,299073E+22	2,488083E+22	2,570152E+22	2,570151E+22	2,488083E+22	2,299069E+22	2,011077E+22	1,701296E+22	1,495428E+22	1,495422E+22	1,701275E+22	2,011044E+22
1266	2,299036E+22	2,488104E+22	2,570268E+22	2,570287E+22	2,488181E+22	2,299142E+22	2,011120E+22	1,701321E+22	1,495458E+22	1,495454E+22	1,701310E+22	2,011098E+22
1267	2,299102E+22	2,488139E+22	2,570257E+22	2,570223E+22	2,488064E+22	2,299028E+22	2,011070E+22	1,701333E+22	1,495501E+22	1,495503E+22	1,701336E+22	2,011081E+22
1268	2,299053E+22	2,488059E+22	2,570150E+22	2,570160E+22	2,488073E+22	2,299069E+22	2,011117E+22	1,701383E+22	1,495549E+22	1,495534E+22	1,701333E+22	2,011048E+22
1269	2,299033E+22	2,488114E+22	2,570276E+22	2,570287E+22	2,488161E+22	2,299102E+22	2,011110E+22	1,701374E+22	1,495564E+22	1,495577E+22	1,701403E+22	2,011125E+22
1270	2,299070E+22	2,488080E+22	2,570182E+22	2,570158E+22	2,488042E+22	2,299030E+22	2,011082E+22	1,701372E+22	1,495568E+22	1,495573E+22	1,701388E+22	2,011099E+22
1271	2,299028E+22	2,488025E+22	2,570163E+22	2,570210E+22	2,488117E+22	2,299098E+22	2,011134E+22	1,701398E+22	1,495568E+22	1,495557E+22	1,701372E+22	2,011118E+22
1272	2,299105E+22	2,488133E+22	2,570245E+22	2,570251E+22	2,488123E+22	2,299066E+22	2,011089E+22	1,701365E+22	1,495558E+22	1,495573E+22	1,701407E+22	2,011142E+22
1273	2,299098E+22	2,488094E+22	2,570152E+22	2,570104E+22	2,488015E+22	2,299041E+22	2,011109E+22	1,701381E+22	1,495543E+22	1,495525E+22	1,701335E+22	2,011062E+22
1274	2,299029E+22	2,488085E+22	2,570257E+22	2,570268E+22	2,488135E+22	2,299105E+22	2,011127E+22	1,701370E+22	1,495524E+22	1,495508E+22	1,701328E+22	2,011083E+22
1275	2,299088E+22	2,488144E+22	2,570281E+22	2,570267E+22	2,488098E+22	2,299020E+22	2,011042E+22	1,701316E+22	1,495499E+22	1,495510E+22	1,701342E+22	2,011077E+22
1276	2,299041E+22	2,488054E+22	2,570148E+22	2,570161E+22	2,488092E+22	2,299072E+22	2,011081E+22	1,701320E+22	1,495478E+22	1,495475E+22	1,701300E+22	2,011039E+22
1277	2,299015E+22	2,488081E+22	2,570254E+22	2,570281E+22	2,488184E+22	2,299136E+22	2,011103E+22	1,701304E+22	1,495447E+22	1,495455E+22	1,701321E+22	2,011108E+22
1278	2,299095E+22	2,488105E+22	2,570205E+22	2,570183E+22	2,488058E+22	2,299035E+22	2,011058E+22	1,701290E+22	1,495432E+22	1,495427E+22	1,701282E+22	2,011061E+22
1279	2,299051E+22	2,488059E+22	2,570165E+22	2,570190E+22	2,488096E+22	2,299072E+22	2,011090E+22	1,701315E+22	1,495440E+22	1,495415E+22	1,701254E+22	2,011044E+22
1280	2,299081E+22	2,488155E+22	2,570284E+22	2,570277E+22	2,488143E+22	2,299061E+22	2,011046E+22	1,701279E+22	1,495440E+22	1,495456E+22	1,701317E+22	2,011090E+22
1281	2,299081E+22	2,488115E+22	2,570204E+22	2,570149E+22	2,488031E+22	2,299021E+22	2,011049E+22	1,701290E+22	1,495441E+22	1,495442E+22	1,701287E+22	2,011039E+22
1282	2,299005E+22	2,488048E+22	2,570227E+22	2,570266E+22	2,488149E+22	2,299105E+22	2,011100E+22	1,701318E+22	1,495463E+22	1,495457E+22	1,701301E+22	2,011077E+22
1283	2,299088E+22	2,488136E+22	2,570267E+22	2,570271E+22	2,488127E+22	2,299047E+22	2,011048E+22	1,701301E+22	1,495481E+22	1,495501E+22	1,701351E+22	2,011105E+22
1284	2,299074E+22	2,488072E+22	2,570133E+22	2,570117E+22	2,488053E+22	2,299059E+22	2,011097E+22	1,701359E+22	1,495527E+22	1,495519E+22	1,701329E+22	2,011053E+22

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	2,299017E+22	2,488069E+22	2,570229E+22	2,570242E+22	2,488141E+22	2,299126E+22	2,011148E+22	1,701398E+22	1,495566E+22	1,495558E+22	1,701375E+22	2,011114E+22
1286	2,299089E+22	2,488113E+22	2,570228E+22	2,570198E+22	2,488041E+22	2,299011E+22	2,011085E+22	1,701397E+22	1,495599E+22	1,495600E+22	1,701398E+22	2,011092E+22
1287	2,299022E+22	2,488021E+22	2,570134E+22	2,570156E+22	2,488060E+22	2,299051E+22	2,011125E+22	1,701439E+22	1,495638E+22	1,495622E+22	1,701402E+22	2,011091E+22
1288	2,299032E+22	2,488070E+22	2,570224E+22	2,570247E+22	2,488137E+22	2,299089E+22	2,011115E+22	1,701415E+22	1,495641E+22	1,495665E+22	1,701475E+22	2,011170E+22
1289	2,299090E+22	2,488074E+22	2,570154E+22	2,570111E+22	2,487997E+22	2,299021E+22	2,011115E+22	1,701429E+22	1,495637E+22	1,495641E+22	1,701434E+22	2,011118E+22
1290	2,299027E+22	2,488012E+22	2,570142E+22	2,570177E+22	2,488084E+22	2,299087E+22	2,011158E+22	1,701460E+22	1,495649E+22	1,495627E+22	1,701407E+22	2,011115E+22
1291	2,299091E+22	2,488136E+22	2,570256E+22	2,570236E+22	2,488092E+22	2,299038E+22	2,011089E+22	1,701408E+22	1,495629E+22	1,495639E+22	1,701437E+22	2,011134E+22
1292	2,299075E+22	2,488081E+22	2,570162E+22	2,570113E+22	2,488005E+22	2,299022E+22	2,011101E+22	1,701415E+22	1,495620E+22	1,495611E+22	1,701385E+22	2,011060E+22
1293	2,298985E+22	2,488024E+22	2,570214E+22	2,570254E+22	2,488139E+22	2,299113E+22	2,011145E+22	1,701416E+22	1,495598E+22	1,495589E+22	1,701389E+22	2,011107E+22
1294	2,299071E+22	2,488094E+22	2,570226E+22	2,570237E+22	2,488097E+22	2,299036E+22	2,011069E+22	1,701359E+22	1,495559E+22	1,495571E+22	1,701387E+22	2,011095E+22
1295	2,299029E+22	2,488019E+22	2,570112E+22	2,570129E+22	2,488064E+22	2,299069E+22	2,011111E+22	1,701379E+22	1,495546E+22	1,495530E+22	1,701341E+22	2,011072E+22
1296	2,299032E+22	2,488063E+22	2,570206E+22	2,570224E+22	2,488136E+22	2,299111E+22	2,011112E+22	1,701355E+22	1,495526E+22	1,495531E+22	1,701369E+22	2,011128E+22
1297	2,299109E+22	2,488116E+22	2,570200E+22	2,570141E+22	2,487998E+22	2,299005E+22	2,011076E+22	1,701346E+22	1,495512E+22	1,495507E+22	1,701328E+22	2,011063E+22
1298	2,299028E+22	2,488036E+22	2,570158E+22	2,570183E+22	2,488071E+22	2,299046E+22	2,011094E+22	1,701366E+22	1,495527E+22	1,495503E+22	1,701312E+22	2,011051E+22
1299	2,299054E+22	2,488132E+22	2,570277E+22	2,570273E+22	2,488132E+22	2,299042E+22	2,011036E+22	1,701309E+22	1,495510E+22	1,495534E+22	1,701374E+22	2,011113E+22
1300	2,299072E+22	2,488089E+22	2,570186E+22	2,570139E+22	2,488025E+22	2,299023E+22	2,011058E+22	1,701327E+22	1,495516E+22	1,495529E+22	1,701347E+22	2,011063E+22
1301	2,298996E+22	2,488004E+22	2,570172E+22	2,570220E+22	2,488125E+22	2,299114E+22	2,011141E+22	1,701388E+22	1,495549E+22	1,495538E+22	1,701354E+22	2,011098E+22
1302	2,299089E+22	2,488117E+22	2,570228E+22	2,570231E+22	2,488099E+22	2,299045E+22	2,011082E+22	1,701374E+22	1,495574E+22	1,495580E+22	1,701389E+22	2,011100E+22
1303	2,299050E+22	2,488054E+22	2,570131E+22	2,570106E+22	2,488019E+22	2,299037E+22	2,011120E+22	1,701435E+22	1,495631E+22	1,495610E+22	1,701383E+22	2,011067E+22
1304	2,298998E+22	2,488029E+22	2,570192E+22	2,570213E+22	2,488109E+22	2,299096E+22	2,011147E+22	1,701455E+22	1,495670E+22	1,495670E+22	1,701453E+22	2,011138E+22
1305	2,299073E+22	2,488082E+22	2,570198E+22	2,570168E+22	2,488013E+22	2,299004E+22	2,011108E+22	1,701453E+22	1,495689E+22	1,495699E+22	1,701473E+22	2,011120E+22
1306	2,299003E+22	2,487974E+22	2,570090E+22	2,570127E+22	2,488042E+22	2,299052E+22	2,011150E+22	1,701495E+22	1,495721E+22	1,495710E+22	1,701468E+22	2,011120E+22
1307	2,299034E+22	2,488058E+22	2,570197E+22	2,570208E+22	2,488101E+22	2,299072E+22	2,011127E+22	1,701463E+22	1,495712E+22	1,495734E+22	1,701521E+22	2,011194E+22
1308	2,299103E+22	2,488081E+22	2,570153E+22	2,570095E+22	2,487971E+22	2,299006E+22	2,011122E+22	1,701476E+22	1,495719E+22	1,495722E+22	1,701477E+22	2,011121E+22
1309	2,299013E+22	2,487993E+22	2,570123E+22	2,570153E+22	2,488055E+22	2,299075E+22	2,011179E+22	1,701516E+22	1,495731E+22	1,495707E+22	1,701454E+22	2,011117E+22
1310	2,299067E+22	2,488108E+22	2,570235E+22	2,570232E+22	2,488089E+22	2,299034E+22	2,011102E+22	1,701455E+22	1,495702E+22	1,495711E+22	1,701479E+22	2,011132E+22
1311	2,299037E+22	2,488038E+22	2,570143E+22	2,570118E+22	2,488009E+22	2,299025E+22	2,011115E+22	1,701458E+22	1,495686E+22	1,495677E+22	1,701439E+22	2,011092E+22
1312	2,298978E+22	2,487970E+22	2,570140E+22	2,570201E+22	2,488111E+22	2,299109E+22	2,011161E+22	1,701457E+22	1,495664E+22	1,495662E+22	1,701448E+22	2,011142E+22
1313	2,299084E+22	2,488081E+22	2,570183E+22	2,570176E+22	2,488041E+22	2,299027E+22	2,011108E+22	1,701418E+22	1,495626E+22	1,495633E+22	1,701428E+22	2,011110E+22
1314	2,299028E+22	2,488008E+22	2,570089E+22	2,570090E+22	2,488016E+22	2,299041E+22	2,011125E+22	1,701436E+22	1,495626E+22	1,495601E+22	1,701378E+22	2,011070E+22
1315	2,299022E+22	2,488072E+22	2,570215E+22	2,570203E+22	2,488086E+22	2,299066E+22	2,011100E+22	1,701391E+22	1,495597E+22	1,495603E+22	1,701410E+22	2,011129E+22
1316	2,299094E+22	2,488112E+22	2,570213E+22	2,570155E+22	2,487988E+22	2,298979E+22	2,011058E+22	1,701372E+22	1,495587E+22	1,495594E+22	1,701384E+22	2,011069E+22
1317	2,298995E+22	2,487988E+22	2,570122E+22	2,570172E+22	2,488075E+22	2,299057E+22	2,011112E+22	1,701408E+22	1,495599E+22	1,495585E+22	1,701373E+22	2,011074E+22
1318	2,299040E+22	2,488089E+22	2,570231E+22	2,570255E+22	2,488136E+22	2,299064E+22	2,011072E+22	1,701363E+22	1,495579E+22	1,495600E+22	1,701417E+22	2,011125E+22
1319	2,299059E+22	2,488059E+22	2,570156E+22	2,570122E+22	2,488010E+22	2,299030E+22	2,011099E+22	1,701401E+22	1,495602E+22	1,495599E+22	1,701395E+22	2,011089E+22
1320	2,298996E+22	2,487975E+22	2,570118E+22	2,570165E+22	2,488082E+22	2,299100E+22	2,011169E+22	1,701463E+22	1,495655E+22	1,495639E+22	1,701416E+22	2,011113E+22

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	2,299081E+22	2,488108E+22	2,570212E+22	2,570189E+22	2,488041E+22	2,299024E+22	2,011117E+22	1,701451E+22	1,495680E+22	1,495685E+22	1,701456E+22	2,011108E+22
1322	2,299016E+22	2,488012E+22	2,570105E+22	2,570091E+22	2,487990E+22	2,299012E+22	2,011130E+22	1,701500E+22	1,495738E+22	1,495722E+22	1,701462E+22	2,011088E+22
1323	2,298979E+22	2,488003E+22	2,570163E+22	2,570186E+22	2,488082E+22	2,299072E+22	2,011141E+22	1,701491E+22	1,495751E+22	1,495765E+22	1,701530E+22	2,011181E+22
1324	2,299082E+22	2,488065E+22	2,570169E+22	2,570140E+22	2,487989E+22	2,298993E+22	2,011110E+22	1,701489E+22	1,495765E+22	1,495787E+22	1,701539E+22	2,011156E+22
1325	2,299011E+22	2,487953E+22	2,570046E+22	2,570082E+22	2,488011E+22	2,299049E+22	2,011180E+22	1,701554E+22	1,495798E+22	1,495781E+22	1,701516E+22	2,011144E+22
1326	2,299044E+22	2,488056E+22	2,570182E+22	2,570188E+22	2,488075E+22	2,299058E+22	2,011147E+22	1,701519E+22	1,495786E+22	1,495794E+22	1,701544E+22	2,011182E+22
1327	2,299078E+22	2,488069E+22	2,570163E+22	2,570106E+22	2,487955E+22	2,298990E+22	2,011138E+22	1,701532E+22	1,495795E+22	1,495788E+22	1,701516E+22	2,011123E+22
1328	2,298982E+22	2,487950E+22	2,570087E+22	2,570137E+22	2,488043E+22	2,299065E+22	2,011188E+22	1,701563E+22	1,495812E+22	1,495793E+22	1,701512E+22	2,011126E+22
1329	2,299037E+22	2,488070E+22	2,570200E+22	2,570200E+22	2,488067E+22	2,299043E+22	2,011137E+22	1,701505E+22	1,495772E+22	1,495786E+22	1,701533E+22	2,011145E+22
1330	2,299008E+22	2,487985E+22	2,570091E+22	2,570083E+22	2,487988E+22	2,299027E+22	2,011147E+22	1,701516E+22	1,495761E+22	1,495750E+22	1,701490E+22	2,011110E+22
1331	2,298978E+22	2,487960E+22	2,570102E+22	2,570148E+22	2,488062E+22	2,299082E+22	2,011168E+22	1,701501E+22	1,495731E+22	1,495727E+22	1,701492E+22	2,011163E+22
1332	2,299095E+22	2,488089E+22	2,570174E+22	2,570147E+22	2,487999E+22	2,298994E+22	2,011102E+22	1,701459E+22	1,495705E+22	1,495712E+22	1,701474E+22	2,011118E+22
1333	2,299015E+22	2,487995E+22	2,570074E+22	2,570070E+22	2,487983E+22	2,299016E+22	2,011132E+22	1,701482E+22	1,495701E+22	1,495680E+22	1,701432E+22	2,011083E+22
1334	2,299005E+22	2,488049E+22	2,570205E+22	2,570213E+22	2,488083E+22	2,299048E+22	2,011099E+22	1,701426E+22	1,495663E+22	1,495674E+22	1,701457E+22	2,011137E+22
1335	2,299065E+22	2,488077E+22	2,570200E+22	2,570171E+22	2,488001E+22	2,298988E+22	2,011073E+22	1,701410E+22	1,495648E+22	1,495660E+22	1,701442E+22	2,011105E+22
1336	2,298990E+22	2,487946E+22	2,570060E+22	2,570128E+22	2,488057E+22	2,299065E+22	2,011143E+22	1,701461E+22	1,495673E+22	1,495663E+22	1,701432E+22	2,011101E+22
1337	2,299043E+22	2,488076E+22	2,570194E+22	2,570199E+22	2,488090E+22	2,299069E+22	2,011126E+22	1,701440E+22	1,495667E+22	1,495677E+22	1,701461E+22	2,011131E+22
1338	2,299043E+22	2,488037E+22	2,570129E+22	2,570091E+22	2,487972E+22	2,299011E+22	2,011129E+22	1,701482E+22	1,495711E+22	1,495697E+22	1,701446E+22	2,011086E+22
1339	2,298977E+22	2,487967E+22	2,570101E+22	2,570131E+22	2,488031E+22	2,299058E+22	2,011169E+22	1,701519E+22	1,495754E+22	1,495741E+22	1,701483E+22	2,011129E+22
1340	2,299060E+22	2,488083E+22	2,570199E+22	2,570184E+22	2,488023E+22	2,298997E+22	2,011108E+22	1,701497E+22	1,495778E+22	1,495796E+22	1,701536E+22	2,011136E+22
1341	2,298993E+22	2,487964E+22	2,570058E+22	2,570061E+22	2,487974E+22	2,299010E+22	2,011148E+22	1,701547E+22	1,495819E+22	1,495815E+22	1,701539E+22	2,011129E+22
1342	2,298979E+22	2,487970E+22	2,570121E+22	2,570159E+22	2,488062E+22	2,299068E+22	2,011166E+22	1,701543E+22	1,495822E+22	1,495835E+22	1,701577E+22	2,011202E+22
1343	2,299083E+22	2,488056E+22	2,570154E+22	2,570128E+22	2,487975E+22	2,298990E+22	2,011137E+22	1,701550E+22	1,495839E+22	1,495851E+22	1,701582E+22	2,011178E+22
1344	2,299015E+22	2,487942E+22	2,570013E+22	2,570039E+22	2,487973E+22	2,299034E+22	2,011201E+22	1,701617E+22	1,495888E+22	1,495866E+22	1,701563E+22	2,011146E+22
1345	2,299028E+22	2,488050E+22	2,570179E+22	2,570164E+22	2,488035E+22	2,299048E+22	2,011184E+22	1,701587E+22	1,495875E+22	1,495878E+22	1,701591E+22	2,011175E+22
1346	2,299033E+22	2,488022E+22	2,570141E+22	2,570108E+22	2,487951E+22	2,298979E+22	2,011153E+22	1,701591E+22	1,495886E+22	1,495880E+22	1,701573E+22	2,011129E+22
1347	2,298953E+22	2,487914E+22	2,570044E+22	2,570102E+22	2,488022E+22	2,299053E+22	2,011192E+22	1,701598E+22	1,495879E+22	1,495872E+22	1,701576E+22	2,011158E+22
1348	2,299032E+22	2,488041E+22	2,570160E+22	2,570164E+22	2,488041E+22	2,299032E+22	2,011145E+22	1,701544E+22	1,495840E+22	1,495859E+22	1,701588E+22	2,011173E+22
1349	2,299009E+22	2,487962E+22	2,570044E+22	2,570029E+22	2,487945E+22	2,299010E+22	2,011168E+22	1,701568E+22	1,495830E+22	1,495815E+22	1,701534E+22	2,011132E+22
1350	2,298985E+22	2,487958E+22	2,570092E+22	2,570126E+22	2,488024E+22	2,299048E+22	2,011171E+22	1,701545E+22	1,495798E+22	1,495786E+22	1,701520E+22	2,011159E+22
1351	2,299078E+22	2,488085E+22	2,570187E+22	2,570162E+22	2,487988E+22	2,298971E+22	2,011101E+22	1,701497E+22	1,495768E+22	1,495776E+22	1,701520E+22	2,011133E+22
1352	2,298994E+22	2,487962E+22	2,570044E+22	2,570058E+22	2,487979E+22	2,299008E+22	2,011136E+22	1,701518E+22	1,495770E+22	1,495759E+22	1,701491E+22	2,011102E+22
1353	2,298988E+22	2,488020E+22	2,570178E+22	2,570188E+22	2,488072E+22	2,299067E+22	2,011140E+22	1,701476E+22	1,495727E+22	1,495741E+22	1,701506E+22	2,011152E+22
1354	2,299043E+22	2,488032E+22	2,570156E+22	2,570147E+22	2,487994E+22	2,298999E+22	2,011116E+22	1,701480E+22	1,495731E+22	1,495736E+22	1,701487E+22	2,011116E+22
1355	2,298988E+22	2,487939E+22	2,570022E+22	2,570075E+22	2,488014E+22	2,299049E+22	2,011167E+22	1,701525E+22	1,495761E+22	1,495745E+22	1,701482E+22	2,011118E+22
1356	2,299038E+22	2,488071E+22	2,570179E+22	2,570165E+22	2,488046E+22	2,299039E+22	2,011135E+22	1,701504E+22	1,495770E+22	1,495777E+22	1,701519E+22	2,011139E+22

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	2,299017E+22	2,488007E+22	2,570101E+22	2,570059E+22	2,487934E+22	2,298984E+22	2,011144E+22	1,701547E+22	1,495812E+22	1,495802E+22	1,701521E+22	2,011111E+22
1358	2,298957E+22	2,487931E+22	2,570077E+22	2,570125E+22	2,488014E+22	2,299028E+22	2,011165E+22	1,701564E+22	1,495838E+22	1,495832E+22	1,701550E+22	2,011155E+22
1359	2,299043E+22	2,488047E+22	2,570170E+22	2,570173E+22	2,488017E+22	2,298992E+22	2,011120E+22	1,701539E+22	1,495847E+22	1,495875E+22	1,701609E+22	2,011186E+22
1360	2,299001E+22	2,487935E+22	2,570004E+22	2,570008E+22	2,487941E+22	2,299005E+22	2,011174E+22	1,701603E+22	1,495896E+22	1,495895E+22	1,701599E+22	2,011162E+22
1361	2,298994E+22	2,487974E+22	2,570104E+22	2,570111E+22	2,488014E+22	2,299061E+22	2,011207E+22	1,701614E+22	1,495906E+22	1,495906E+22	1,701614E+22	2,011201E+22
1362	2,299064E+22	2,488042E+22	2,570147E+22	2,570118E+22	2,487953E+22	2,298974E+22	2,011163E+22	1,701623E+22	1,495939E+22	1,495938E+22	1,701619E+22	2,011161E+22
1363	2,298986E+22	2,487934E+22	2,570007E+22	2,570023E+22	2,487947E+22	2,299006E+22	2,011202E+22	1,701667E+22	1,495976E+22	1,495957E+22	1,701619E+22	2,011149E+22
1364	2,298989E+22	2,488009E+22	2,570160E+22	2,570162E+22	2,488033E+22	2,299036E+22	2,011183E+22	1,701633E+22	1,495963E+22	1,495970E+22	1,701654E+22	2,011190E+22
1365	2,298998E+22	2,487960E+22	2,570082E+22	2,570072E+22	2,487943E+22	2,298988E+22	2,011182E+22	1,701643E+22	1,495960E+22	1,495960E+22	1,701639E+22	2,011165E+22
1366	2,298948E+22	2,487872E+22	2,569994E+22	2,570064E+22	2,487995E+22	2,299041E+22	2,011213E+22	1,701648E+22	1,495943E+22	1,495932E+22	1,701618E+22	2,011181E+22
1367	2,299036E+22	2,488027E+22	2,570136E+22	2,570135E+22	2,488015E+22	2,299019E+22	2,011162E+22	1,701593E+22	1,495902E+22	1,495918E+22	1,701635E+22	2,011203E+22
1368	2,299017E+22	2,487956E+22	2,570018E+22	2,569983E+22	2,487899E+22	2,298984E+22	2,011177E+22	1,701614E+22	1,495904E+22	1,495890E+22	1,701583E+22	2,011146E+22
1369	2,298980E+22	2,487960E+22	2,570098E+22	2,570106E+22	2,487987E+22	2,299028E+22	2,011187E+22	1,701592E+22	1,495869E+22	1,495858E+22	1,701565E+22	2,011163E+22
1370	2,299048E+22	2,488050E+22	2,570176E+22	2,570171E+22	2,487998E+22	2,298965E+22	2,011109E+22	1,701541E+22	1,495842E+22	1,495853E+22	1,701568E+22	2,011143E+22
1371	2,298983E+22	2,487942E+22	2,570010E+22	2,570025E+22	2,487964E+22	2,299004E+22	2,011145E+22	1,701552E+22	1,495831E+22	1,495828E+22	1,701545E+22	2,011131E+22
1372	2,298985E+22	2,487997E+22	2,570146E+22	2,570157E+22	2,488051E+22	2,299061E+22	2,011162E+22	1,701533E+22	1,495805E+22	1,495811E+22	1,701549E+22	2,011167E+22
1373	2,299034E+22	2,488009E+22	2,570119E+22	2,570099E+22	2,487957E+22	2,298986E+22	2,011147E+22	1,701550E+22	1,495818E+22	1,495812E+22	1,701532E+22	2,011125E+22
1374	2,298973E+22	2,487919E+22	2,570009E+22	2,570049E+22	2,487971E+22	2,299014E+22	2,011177E+22	1,701586E+22	1,495851E+22	1,495827E+22	1,701526E+22	2,011115E+22
1375	2,299007E+22	2,488042E+22	2,570173E+22	2,570165E+22	2,488034E+22	2,299018E+22	2,011140E+22	1,701554E+22	1,495853E+22	1,495867E+22	1,701590E+22	2,011164E+22
1376	2,298992E+22	2,487960E+22	2,570055E+22	2,570026E+22	2,487916E+22	2,298970E+22	2,011150E+22	1,701595E+22	1,495900E+22	1,495902E+22	1,701599E+22	2,011147E+22
1377	2,298950E+22	2,487902E+22	2,570044E+22	2,570083E+22	2,487985E+22	2,299033E+22	2,011200E+22	1,701623E+22	1,495919E+22	1,495915E+22	1,701612E+22	2,011184E+22
1378	2,299036E+22	2,488014E+22	2,570134E+22	2,570148E+22	2,488002E+22	2,298991E+22	2,011153E+22	1,701610E+22	1,495939E+22	1,495957E+22	1,701655E+22	2,011200E+22
1379	2,299009E+22	2,487940E+22	2,569981E+22	2,569962E+22	2,487901E+22	2,298984E+22	2,011191E+22	1,701664E+22	1,495986E+22	1,495979E+22	1,701648E+22	2,011175E+22
1380	2,298986E+22	2,487970E+22	2,570104E+22	2,570096E+22	2,487984E+22	2,299036E+22	2,011219E+22	1,701680E+22	1,496007E+22	1,495999E+22	1,701664E+22	2,011199E+22
1381	2,299029E+22	2,488005E+22	2,570125E+22	2,570102E+22	2,487938E+22	2,298961E+22	2,011182E+22	1,701687E+22	1,496035E+22	1,496036E+22	1,701685E+22	2,011176E+22
1382	2,298952E+22	2,487881E+22	2,569979E+22	2,570016E+22	2,487942E+22	2,298995E+22	2,011208E+22	1,701711E+22	1,496054E+22	1,496041E+22	1,701680E+22	2,011172E+22
1383	2,298968E+22	2,487959E+22	2,570116E+22	2,570138E+22	2,488031E+22	2,299045E+22	2,011204E+22	1,701673E+22	1,496022E+22	1,496042E+22	1,701722E+22	2,011236E+22
1384	2,299005E+22	2,487926E+22	2,570018E+22	2,570004E+22	2,487900E+22	2,298979E+22	2,011207E+22	1,701697E+22	1,496032E+22	1,496030E+22	1,701693E+22	2,011200E+22
1385	2,298969E+22	2,487880E+22	2,569977E+22	2,570007E+22	2,487936E+22	2,299020E+22	2,011238E+22	1,701706E+22	1,496016E+22	1,495993E+22	1,701650E+22	2,011187E+22
1386	2,299029E+22	2,488021E+22	2,570135E+22	2,570122E+22	2,487986E+22	2,298991E+22	2,011171E+22	1,701648E+22	1,495984E+22	1,495991E+22	1,701666E+22	2,011194E+22
1387	2,299006E+22	2,487959E+22	2,570023E+22	2,569975E+22	2,487877E+22	2,298953E+22	2,011165E+22	1,701644E+22	1,495969E+22	1,495963E+22	1,701632E+22	2,011155E+22
1388	2,298958E+22	2,487937E+22	2,570093E+22	2,570111E+22	2,487989E+22	2,299016E+22	2,011182E+22	1,701625E+22	1,495935E+22	1,495927E+22	1,701611E+22	2,011173E+22
1389	2,299020E+22	2,488001E+22	2,570131E+22	2,570144E+22	2,487998E+22	2,298982E+22	2,011141E+22	1,701591E+22	1,495908E+22	1,495919E+22	1,701616E+22	2,011164E+22
1390	2,298973E+22	2,487904E+22	2,569979E+22	2,570000E+22	2,487946E+22	2,298999E+22	2,011169E+22	1,701607E+22	1,495901E+22	1,495888E+22	1,701579E+22	2,011139E+22
1391	2,298974E+22	2,487970E+22	2,570118E+22	2,570127E+22	2,488030E+22	2,299055E+22	2,011186E+22	1,701592E+22	1,495882E+22	1,495885E+22	1,701599E+22	2,011182E+22
1392	2,299019E+22	2,487981E+22	2,570083E+22	2,570049E+22	2,487910E+22	2,298964E+22	2,011167E+22	1,701617E+22	1,495917E+22	1,495911E+22	1,701597E+22	2,011144E+22

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°
1393	2,298958E+22	2,487900E+22	2,569999E+22	2,570018E+22	2,487930E+22	2,298989E+22	2,011190E+22	1,701646E+22	1,495945E+22	1,495924E+22	1,701593E+22	2,011134E+22
1394	2,298980E+22	2,487994E+22	2,570141E+22	2,570153E+22	2,488029E+22	2,299009E+22	2,011149E+22	1,701607E+22	1,495946E+22	1,495966E+22	1,701657E+22	2,011194E+22
1395	2,298997E+22	2,487942E+22	2,570016E+22	2,569981E+22	2,487887E+22	2,298958E+22	2,011158E+22	1,701634E+22	1,495974E+22	1,495988E+22	1,701669E+22	2,011189E+22
1396	2,298963E+22	2,487894E+22	2,570021E+22	2,570048E+22	2,487954E+22	2,299013E+22	2,011214E+22	1,701683E+22	1,496005E+22	1,495993E+22	1,701659E+22	2,011201E+22
1397	2,299034E+22	2,488001E+22	2,570110E+22	2,570110E+22	2,487973E+22	2,298981E+22	2,011182E+22	1,701683E+22	1,496034E+22	1,496041E+22	1,701701E+22	2,011206E+22
1398	2,298991E+22	2,487920E+22	2,569984E+22	2,569959E+22	2,487874E+22	2,298958E+22	2,011202E+22	1,701725E+22	1,496077E+22	1,496064E+22	1,701692E+22	2,011170E+22
1399	2,298948E+22	2,487929E+22	2,570092E+22	2,570104E+22	2,487989E+22	2,299032E+22	2,011233E+22	1,701732E+22	1,496088E+22	1,496089E+22	1,701732E+22	2,011217E+22
1400	2,298994E+22	2,487947E+22	2,570072E+22	2,570065E+22	2,487925E+22	2,298968E+22	2,011207E+22	1,701743E+22	1,496121E+22	1,496130E+22	1,701759E+22	2,011210E+22
1401	2,298942E+22	2,487844E+22	2,569934E+22	2,569961E+22	2,487908E+22	2,299005E+22	2,011248E+22	1,701772E+22	1,496131E+22	1,496117E+22	1,701736E+22	2,011200E+22
1402	2,298966E+22	2,487926E+22	2,570072E+22	2,570098E+22	2,488004E+22	2,299040E+22	2,011234E+22	1,701740E+22	1,496107E+22	1,496115E+22	1,701760E+22	2,011252E+22
1403	2,299025E+22	2,487937E+22	2,569995E+22	2,569950E+22	2,487844E+22	2,298944E+22	2,011208E+22	1,701742E+22	1,496107E+22	1,496105E+22	1,701739E+22	2,011216E+22
1404	2,298973E+22	2,487887E+22	2,569988E+22	2,569997E+22	2,487898E+22	2,298977E+22	2,011229E+22	1,701752E+22	1,496096E+22	1,496068E+22	1,701692E+22	2,011189E+22
1405	2,299005E+22	2,487996E+22	2,570127E+22	2,570121E+22	2,487977E+22	2,298972E+22	2,011170E+22	1,701688E+22	1,496055E+22	1,496066E+22	1,701718E+22	2,011206E+22
1406	2,298976E+22	2,487915E+22	2,570012E+22	2,569982E+22	2,487877E+22	2,298945E+22	2,011162E+22	1,701669E+22	1,496023E+22	1,496024E+22	1,701676E+22	2,011170E+22
1407	2,298940E+22	2,487893E+22	2,570059E+22	2,570097E+22	2,487997E+22	2,299037E+22	2,011208E+22	1,701659E+22	1,495981E+22	1,495983E+22	1,701660E+22	2,011197E+22
1408	2,299015E+22	2,487968E+22	2,570077E+22	2,570085E+22	2,487963E+22	2,298984E+22	2,011175E+22	1,701652E+22	1,495982E+22	1,495986E+22	1,701658E+22	2,011180E+22
1409	2,298973E+22	2,487898E+22	2,569959E+22	2,569947E+22	2,487894E+22	2,298987E+22	2,011200E+22	1,701676E+22	1,495990E+22	1,495964E+22	1,701616E+22	2,011137E+22
1410	2,298952E+22	2,487941E+22	2,570099E+22	2,570110E+22	2,488003E+22	2,299034E+22	2,011200E+22	1,701659E+22	1,495983E+22	1,495978E+22	1,701645E+22	2,011181E+22
1411	2,299004E+22	2,487961E+22	2,570059E+22	2,570022E+22	2,487879E+22	2,298933E+22	2,011158E+22	1,701658E+22	1,496003E+22	1,496010E+22	1,701672E+22	2,011173E+22
1412	2,298945E+22	2,487868E+22	2,569976E+22	2,570004E+22	2,487914E+22	2,298968E+22	2,011189E+22	1,701691E+22	1,496028E+22	1,496013E+22	1,701660E+22	2,011166E+22
1413	2,298972E+22	2,487955E+22	2,570095E+22	2,570115E+22	2,488008E+22	2,299010E+22	2,011178E+22	1,701666E+22	1,496026E+22	1,496048E+22	1,701720E+22	2,011227E+22
1414	2,298999E+22	2,487919E+22	2,569997E+22	2,569960E+22	2,487859E+22	2,298945E+22	2,011178E+22	1,701692E+22	1,496053E+22	1,496060E+22	1,701711E+22	2,011202E+22
1415	2,298963E+22	2,487885E+22	2,570010E+22	2,570030E+22	2,487938E+22	2,299013E+22	2,011239E+22	1,701741E+22	1,496087E+22	1,496076E+22	1,701713E+22	2,011209E+22
1416	2,299015E+22	2,487977E+22	2,570087E+22	2,570076E+22	2,487939E+22	2,298971E+22	2,011209E+22	1,701756E+22	1,496138E+22	1,496143E+22	1,701764E+22	2,011217E+22
1417	2,298968E+22	2,487892E+22	2,569970E+22	2,569940E+22	2,487852E+22	2,298952E+22	2,011225E+22	1,701792E+22	1,496177E+22	1,496162E+22	1,701757E+22	2,011185E+22
1418	2,298917E+22	2,487868E+22	2,570042E+22	2,570084E+22	2,487987E+22	2,299038E+22	2,011257E+22	1,701794E+22	1,496184E+22	1,496186E+22	1,701794E+22	2,011243E+22
1419	2,298997E+22	2,487920E+22	2,570018E+22	2,570007E+22	2,487884E+22	2,298956E+22	2,011223E+22	1,701791E+22	1,496197E+22	1,496214E+22	1,701826E+22	2,011251E+22
1420	2,298959E+22	2,487839E+22	2,569910E+22	2,569919E+22	2,487854E+22	2,298966E+22	2,011254E+22	1,701829E+22	1,496211E+22	1,496187E+22	1,701778E+22	2,011215E+22
1421	2,298966E+22	2,487920E+22	2,570051E+22	2,570057E+22	2,487956E+22	2,299012E+22	2,011244E+22	1,701794E+22	1,496188E+22	1,496190E+22	1,701801E+22	2,011255E+22
1422	2,299008E+22	2,487927E+22	2,570011E+22	2,569961E+22	2,487819E+22	2,298909E+22	2,011195E+22	1,701773E+22	1,496171E+22	1,496171E+22	1,701775E+22	2,011210E+22
1423	2,298945E+22	2,487860E+22	2,569985E+22	2,570015E+22	2,487912E+22	2,298975E+22	2,011225E+22	1,701772E+22	1,496146E+22	1,496135E+22	1,701746E+22	2,011199E+22
1424	2,298975E+22	2,487947E+22	2,570083E+22	2,570096E+22	2,487975E+22	2,298990E+22	2,011195E+22	1,701730E+22	1,496118E+22	1,496134E+22	1,701770E+22	2,011229E+22
1425	2,298966E+22	2,487882E+22	2,569974E+22	2,569946E+22	2,487860E+22	2,298965E+22	2,011203E+22	1,701726E+22	1,496089E+22	1,496083E+22	1,701713E+22	2,011182E+22
1426	2,298929E+22	2,487854E+22	2,570009E+22	2,570062E+22	2,487979E+22	2,299044E+22	2,011247E+22	1,701730E+22	1,496068E+22	1,496053E+22	1,701690E+22	2,011198E+22
1427	2,299017E+22	2,487962E+22	2,570046E+22	2,570031E+22	2,487908E+22	2,298960E+22	2,011189E+22	1,701708E+22	1,496069E+22	1,496072E+22	1,701713E+22	2,011193E+22
1428	2,298965E+22	2,487889E+22	2,569954E+22	2,569928E+22	2,487845E+22	2,298940E+22	2,011198E+22	1,701734E+22	1,496083E+22	1,496056E+22	1,701675E+22	2,011149E+22

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	2,298929E+22	2,487907E+22	2,570070E+22	2,570089E+22	2,487979E+22	2,299012E+22	2,011202E+22	1,701708E+22	1,496071E+22	1,496075E+22	1,701720E+22	2,011211E+22
1430	2,298989E+22	2,487922E+22	2,570037E+22	2,570013E+22	2,487863E+22	2,298917E+22	2,011154E+22	1,701687E+22	1,496070E+22	1,496089E+22	1,701735E+22	2,011208E+22
1431	2,298951E+22	2,487844E+22	2,569944E+22	2,569984E+22	2,487906E+22	2,298975E+22	2,011208E+22	1,701728E+22	1,496086E+22	1,496084E+22	1,701722E+22	2,011199E+22
1432	2,298981E+22	2,487941E+22	2,570059E+22	2,570065E+22	2,487967E+22	2,299006E+22	2,011211E+22	1,701736E+22	1,496114E+22	1,496127E+22	1,701767E+22	2,011243E+22
1433	2,299001E+22	2,487921E+22	2,569993E+22	2,569931E+22	2,487820E+22	2,298937E+22	2,011209E+22	1,701767E+22	1,496152E+22	1,496145E+22	1,701750E+22	2,011193E+22
1434	2,298932E+22	2,487855E+22	2,569998E+22	2,570031E+22	2,487930E+22	2,299008E+22	2,011266E+22	1,701817E+22	1,496197E+22	1,496177E+22	1,701760E+22	2,011201E+22
1435	2,298985E+22	2,487945E+22	2,570056E+22	2,570052E+22	2,487916E+22	2,298957E+22	2,011217E+22	1,701808E+22	1,496233E+22	1,496248E+22	1,701841E+22	2,011241E+22
1436	2,298944E+22	2,487848E+22	2,569933E+22	2,569917E+22	2,487829E+22	2,298939E+22	2,011242E+22	1,701853E+22	1,496268E+22	1,496255E+22	1,701826E+22	2,011215E+22
1437	2,298906E+22	2,487822E+22	2,569980E+22	2,570034E+22	2,487955E+22	2,299034E+22	2,011287E+22	1,701857E+22	1,496269E+22	1,496270E+22	1,701857E+22	2,011274E+22
1438	2,298996E+22	2,487896E+22	2,569990E+22	2,569973E+22	2,487840E+22	2,298926E+22	2,011229E+22	1,701839E+22	1,496271E+22	1,496284E+22	1,701871E+22	2,011268E+22
1439	2,298963E+22	2,487837E+22	2,569901E+22	2,569900E+22	2,487828E+22	2,298950E+22	2,011260E+22	1,701864E+22	1,496275E+22	1,496260E+22	1,701831E+22	2,011225E+22
1440	2,298953E+22	2,487907E+22	2,570040E+22	2,570035E+22	2,487920E+22	2,298989E+22	2,011253E+22	1,701842E+22	1,496264E+22	1,496269E+22	1,701855E+22	2,011267E+22
1441	2,298989E+22	2,487906E+22	2,570003E+22	2,569959E+22	2,487815E+22	2,298908E+22	2,011204E+22	1,701812E+22	1,496239E+22	1,496241E+22	1,701821E+22	2,011219E+22
1442	2,298919E+22	2,487813E+22	2,569945E+22	2,570008E+22	2,487926E+22	2,298997E+22	2,011252E+22	1,701816E+22	1,496212E+22	1,496199E+22	1,701783E+22	2,011211E+22
1443	2,298976E+22	2,487923E+22	2,570031E+22	2,570043E+22	2,487942E+22	2,298991E+22	2,011221E+22	1,701775E+22	1,496179E+22	1,496197E+22	1,701815E+22	2,011251E+22
1444	2,298972E+22	2,487875E+22	2,569949E+22	2,569909E+22	2,487811E+22	2,298935E+22	2,011224E+22	1,701792E+22	1,496169E+22	1,496147E+22	1,701747E+22	2,011186E+22
1445	2,298918E+22	2,487837E+22	2,569978E+22	2,570020E+22	2,487931E+22	2,299018E+22	2,011264E+22	1,701794E+22	1,496158E+22	1,496138E+22	1,701739E+22	2,011200E+22
1446	2,298986E+22	2,487936E+22	2,570045E+22	2,570030E+22	2,487874E+22	2,298920E+22	2,011180E+22	1,701746E+22	1,496145E+22	1,496155E+22	1,701769E+22	2,011203E+22
1447	2,298943E+22	2,487860E+22	2,569938E+22	2,569931E+22	2,487845E+22	2,298932E+22	2,011193E+22	1,701756E+22	1,496144E+22	1,496140E+22	1,701748E+22	2,011176E+22
1448	2,298912E+22	2,487869E+22	2,570025E+22	2,570051E+22	2,487955E+22	2,299014E+22	2,011226E+22	1,701756E+22	1,496146E+22	1,496157E+22	1,701786E+22	2,011248E+22
1449	2,298996E+22	2,487907E+22	2,570006E+22	2,569981E+22	2,487844E+22	2,298925E+22	2,011186E+22	1,701747E+22	1,496147E+22	1,496160E+22	1,701780E+22	2,011225E+22
1450	2,298950E+22	2,487827E+22	2,569913E+22	2,569959E+22	2,487890E+22	2,298980E+22	2,011246E+22	1,701803E+22	1,496182E+22	1,496163E+22	1,701755E+22	2,011199E+22
1451	2,298980E+22	2,487939E+22	2,570039E+22	2,570027E+22	2,487922E+22	2,298987E+22	2,011235E+22	1,701803E+22	1,496214E+22	1,496224E+22	1,701826E+22	2,011251E+22
1452	2,298980E+22	2,487904E+22	2,569992E+22	2,569930E+22	2,487786E+22	2,298899E+22	2,011221E+22	1,701840E+22	1,496259E+22	1,496248E+22	1,701815E+22	2,011200E+22
1453	2,298892E+22	2,487800E+22	2,569949E+22	2,570006E+22	2,487914E+22	2,299000E+22	2,011282E+22	1,701879E+22	1,496299E+22	1,496287E+22	1,701842E+22	2,011227E+22
1454	2,298951E+22	2,487888E+22	2,570015E+22	2,570029E+22	2,487897E+22	2,298949E+22	2,011228E+22	1,701849E+22	1,496309E+22	1,496336E+22	1,701912E+22	2,011280E+22
1455	2,298947E+22	2,487820E+22	2,569887E+22	2,569876E+22	2,487804E+22	2,298934E+22	2,011260E+22	1,701892E+22	1,496332E+22	1,496332E+22	1,701891E+22	2,011248E+22
1456	2,298915E+22	2,487812E+22	2,569940E+22	2,569972E+22	2,487895E+22	2,299010E+22	2,011311E+22	1,701923E+22	1,496355E+22	1,496348E+22	1,701906E+22	2,011295E+22
1457	2,299003E+22	2,487904E+22	2,569986E+22	2,569949E+22	2,487804E+22	2,298905E+22	2,011240E+22	1,701893E+22	1,496352E+22	1,496357E+22	1,701907E+22	2,011265E+22
1458	2,298940E+22	2,487819E+22	2,569897E+22	2,569909E+22	2,487828E+22	2,298941E+22	2,011271E+22	1,701913E+22	1,496354E+22	1,496335E+22	1,701867E+22	2,011223E+22
1459	2,298933E+22	2,487882E+22	2,570017E+22	2,570020E+22	2,487909E+22	2,298984E+22	2,011261E+22	1,701876E+22	1,496329E+22	1,496344E+22	1,701912E+22	2,011287E+22
1460	2,298971E+22	2,487872E+22	2,569977E+22	2,569948E+22	2,487802E+22	2,298903E+22	2,011230E+22	1,701865E+22	1,496304E+22	1,496303E+22	1,701864E+22	2,011233E+22
1461	2,298903E+22	2,487775E+22	2,569889E+22	2,569964E+22	2,487904E+22	2,299003E+22	2,011290E+22	1,701880E+22	1,496288E+22	1,496268E+22	1,701826E+22	2,011222E+22
1462	2,298956E+22	2,487899E+22	2,570008E+22	2,570012E+22	2,487905E+22	2,298969E+22	2,011233E+22	1,701824E+22	1,496251E+22	1,496263E+22	1,701853E+22	2,011257E+22
1463	2,298964E+22	2,487866E+22	2,569935E+22	2,569887E+22	2,487783E+22	2,298915E+22	2,011231E+22	1,701830E+22	1,496239E+22	1,496229E+22	1,701805E+22	2,011197E+22
1464	2,298898E+22	2,487815E+22	2,569956E+22	2,569990E+22	2,487888E+22	2,298985E+22	2,011271E+22	1,701847E+22	1,496243E+22	1,496228E+22	1,701807E+22	2,011227E+22

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°
1465	2,298973E+22	2,487910E+22	2,570019E+22	2,570015E+22	2,487866E+22	2,298911E+22	2,011183E+22	1,701785E+22	1,496218E+22	1,496237E+22	1,701832E+22	2,011232E+22
1466	2,298933E+22	2,487826E+22	2,569901E+22	2,569915E+22	2,487850E+22	2,298946E+22	2,011218E+22	1,701800E+22	1,496212E+22	1,496211E+22	1,701797E+22	2,011206E+22
1467	2,298930E+22	2,487862E+22	2,569989E+22	2,570001E+22	2,487913E+22	2,299000E+22	2,011247E+22	1,701806E+22	1,496216E+22	1,496229E+22	1,701836E+22	2,011273E+22
1468	2,299004E+22	2,487910E+22	2,569997E+22	2,569958E+22	2,487802E+22	2,298894E+22	2,011210E+22	1,701821E+22	1,496237E+22	1,496235E+22	1,701816E+22	2,011222E+22
1469	2,298930E+22	2,487810E+22	2,569894E+22	2,569937E+22	2,487861E+22	2,298964E+22	2,011269E+22	1,701875E+22	1,496287E+22	1,496261E+22	1,701808E+22	2,011191E+22
1470	2,298928E+22	2,487897E+22	2,570031E+22	2,570028E+22	2,487903E+22	2,298961E+22	2,011238E+22	1,701854E+22	1,496305E+22	1,496321E+22	1,701890E+22	2,011260E+22
1471	2,298944E+22	2,487856E+22	2,569956E+22	2,569920E+22	2,487791E+22	2,298903E+22	2,011235E+22	1,701881E+22	1,496339E+22	1,496348E+22	1,701897E+22	2,011231E+22
1472	2,298871E+22	2,487749E+22	2,569886E+22	2,569948E+22	2,487878E+22	2,298999E+22	2,011318E+22	1,701946E+22	1,496389E+22	1,496380E+22	1,701918E+22	2,011272E+22
1473	2,298957E+22	2,487861E+22	2,569964E+22	2,569977E+22	2,487865E+22	2,298944E+22	2,011258E+22	1,701915E+22	1,496395E+22	1,496415E+22	1,701964E+22	2,011304E+22
1474	2,298953E+22	2,487810E+22	2,569858E+22	2,569842E+22	2,487777E+22	2,298927E+22	2,011286E+22	1,701956E+22	1,496421E+22	1,496409E+22	1,701928E+22	2,011260E+22
1475	2,298924E+22	2,487819E+22	2,569931E+22	2,569934E+22	2,487840E+22	2,298973E+22	2,011317E+22	1,701974E+22	1,496439E+22	1,496434E+22	1,701962E+22	2,011308E+22
1476	2,298992E+22	2,487897E+22	2,569995E+22	2,569957E+22	2,487780E+22	2,298866E+22	2,011242E+22	1,701948E+22	1,496434E+22	1,496437E+22	1,701957E+22	2,011272E+22
1477	2,298910E+22	2,487779E+22	2,569865E+22	2,569900E+22	2,487831E+22	2,298942E+22	2,011284E+22	1,701959E+22	1,496430E+22	1,496417E+22	1,701926E+22	2,011239E+22
1478	2,298899E+22	2,487835E+22	2,569988E+22	2,570003E+22	2,487899E+22	2,298984E+22	2,011277E+22	1,701911E+22	1,496383E+22	1,496404E+22	1,701958E+22	2,011309E+22
1479	2,298969E+22	2,487850E+22	2,569942E+22	2,569917E+22	2,487787E+22	2,298904E+22	2,011253E+22	1,701904E+22	1,496360E+22	1,496365E+22	1,701908E+22	2,011247E+22
1480	2,298896E+22	2,487759E+22	2,569852E+22	2,569903E+22	2,487849E+22	2,298982E+22	2,011318E+22	1,701946E+22	1,496372E+22	1,496342E+22	1,701870E+22	2,011233E+22
1481	2,298945E+22	2,487887E+22	2,569993E+22	2,569988E+22	2,487878E+22	2,298947E+22	2,011241E+22	1,701876E+22	1,496332E+22	1,496340E+22	1,701896E+22	2,011258E+22
1482	2,298937E+22	2,487838E+22	2,569920E+22	2,569885E+22	2,487780E+22	2,298903E+22	2,011236E+22	1,701874E+22	1,496316E+22	1,496307E+22	1,701854E+22	2,011213E+22
1483	2,298888E+22	2,487787E+22	2,569924E+22	2,569961E+22	2,487865E+22	2,298968E+22	2,011273E+22	1,701881E+22	1,496311E+22	1,496309E+22	1,701876E+22	2,011265E+22
1484	2,298973E+22	2,487887E+22	2,569996E+22	2,569996E+22	2,487842E+22	2,298895E+22	2,011204E+22	1,701838E+22	1,496285E+22	1,496302E+22	1,701879E+22	2,011257E+22
1485	2,298930E+22	2,487800E+22	2,569858E+22	2,569875E+22	2,487826E+22	2,298943E+22	2,011250E+22	1,701865E+22	1,496294E+22	1,496286E+22	1,701843E+22	2,011215E+22
1486	2,298910E+22	2,487847E+22	2,569979E+22	2,569976E+22	2,487881E+22	2,298982E+22	2,011265E+22	1,701861E+22	1,496295E+22	1,496303E+22	1,701877E+22	2,011276E+22
1487	2,298988E+22	2,487899E+22	2,569991E+22	2,569947E+22	2,487785E+22	2,298881E+22	2,011225E+22	1,701871E+22	1,496323E+22	1,496330E+22	1,701877E+22	2,011226E+22
1488	2,298894E+22	2,487773E+22	2,569865E+22	2,569905E+22	2,487831E+22	2,298945E+22	2,011292E+22	1,701947E+22	1,496393E+22	1,496369E+22	1,701885E+22	2,011218E+22
1489	2,298901E+22	2,487846E+22	2,569983E+22	2,570004E+22	2,487903E+22	2,298964E+22	2,011254E+22	1,701910E+22	1,496397E+22	1,496417E+22	1,701961E+22	2,011291E+22
1490	2,298932E+22	2,487810E+22	2,569900E+22	2,569882E+22	2,487780E+22	2,298913E+22	2,011270E+22	1,701944E+22	1,496424E+22	1,496431E+22	1,701956E+22	2,011271E+22
1491	2,298892E+22	2,487738E+22	2,569841E+22	2,569879E+22	2,487815E+22	2,298969E+22	2,011339E+22	1,702008E+22	1,496475E+22	1,496464E+22	1,701979E+22	2,011307E+22
1492	2,298973E+22	2,487870E+22	2,569960E+22	2,569944E+22	2,487805E+22	2,298899E+22	2,011273E+22	1,701986E+22	1,496486E+22	1,496494E+22	1,702006E+22	2,011308E+22
1493	2,298939E+22	2,487801E+22	2,569855E+22	2,569828E+22	2,487749E+22	2,298902E+22	2,011296E+22	1,702015E+22	1,496514E+22	1,496500E+22	1,701981E+22	2,011256E+22
1494	2,298881E+22	2,487792E+22	2,569940E+22	2,569945E+22	2,487833E+22	2,298949E+22	2,011309E+22	1,702007E+22	1,496509E+22	1,496512E+22	1,702014E+22	2,011318E+22
1495	2,298964E+22	2,487860E+22	2,569972E+22	2,569959E+22	2,487801E+22	2,298880E+22	2,011254E+22	1,701975E+22	1,496494E+22	1,496513E+22	1,702016E+22	2,011290E+22
1496	2,298888E+22	2,487734E+22	2,569816E+22	2,569856E+22	2,487811E+22	2,298952E+22	2,011324E+22	1,702021E+22	1,496504E+22	1,496487E+22	1,701978E+22	2,011266E+22
1497	2,298894E+22	2,487800E+22	2,569937E+22	2,569961E+22	2,487883E+22	2,298987E+22	2,011308E+22	1,701974E+22	1,496459E+22	1,496467E+22	1,701992E+22	2,011317E+22
1498	2,298959E+22	2,487830E+22	2,569913E+22	2,569883E+22	2,487766E+22	2,298903E+22	2,011283E+22	1,701968E+22	1,496442E+22	1,496433E+22	1,701943E+22	2,011258E+22
1499	2,298897E+22	2,487752E+22	2,569837E+22	2,569858E+22	2,487788E+22	2,298937E+22	2,011318E+22	1,701994E+22	1,496451E+22	1,496427E+22	1,701931E+22	2,011255E+22
1500	2,298934E+22	2,487868E+22	2,569985E+22	2,569977E+22	2,487843E+22	2,298904E+22	2,011238E+22	1,701923E+22	1,496408E+22	1,496419E+22	1,701953E+22	2,011279E+22

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	2,298920E+22	2,487801E+22	2,569885E+22	2,569864E+22	2,487776E+22	2,298900E+22	2,011241E+22	1,701908E+22	1,496383E+22	1,496386E+22	1,701916E+22	2,011240E+22
1502	2,298873E+22	2,487759E+22	2,569902E+22	2,569934E+22	2,487842E+22	2,298954E+22	2,011277E+22	1,701909E+22	1,496361E+22	1,496365E+22	1,701919E+22	2,011292E+22
1503	2,298985E+22	2,487882E+22	2,569976E+22	2,569969E+22	2,487826E+22	2,298890E+22	2,011222E+22	1,701879E+22	1,496347E+22	1,496365E+22	1,701917E+22	2,011264E+22
1504	2,298924E+22	2,487793E+22	2,569842E+22	2,569833E+22	2,487782E+22	2,298924E+22	2,011278E+22	1,701939E+22	1,496388E+22	1,496367E+22	1,701885E+22	2,011218E+22
1505	2,298885E+22	2,487819E+22	2,569963E+22	2,569966E+22	2,487870E+22	2,298970E+22	2,011281E+22	1,701927E+22	1,496392E+22	1,496392E+22	1,701923E+22	2,011268E+22
1506	2,298945E+22	2,487854E+22	2,569967E+22	2,569943E+22	2,487793E+22	2,298888E+22	2,011249E+22	1,701935E+22	1,496419E+22	1,496423E+22	1,701938E+22	2,011246E+22
1507	2,298873E+22	2,487727E+22	2,569817E+22	2,569855E+22	2,487797E+22	2,298934E+22	2,011311E+22	1,702005E+22	1,496485E+22	1,496471E+22	1,701967E+22	2,011263E+22
1508	2,298901E+22	2,487810E+22	2,569940E+22	2,569960E+22	2,487861E+22	2,298946E+22	2,011287E+22	1,701984E+22	1,496488E+22	1,496504E+22	1,702022E+22	2,011324E+22
1509	2,298936E+22	2,487786E+22	2,569855E+22	2,569831E+22	2,487744E+22	2,298899E+22	2,011295E+22	1,702015E+22	1,496524E+22	1,496524E+22	1,702015E+22	2,011289E+22
1510	2,298882E+22	2,487733E+22	2,569840E+22	2,569851E+22	2,487769E+22	2,298931E+22	2,011339E+22	1,702058E+22	1,496559E+22	1,496548E+22	1,702031E+22	2,011322E+22
1511	2,298968E+22	2,487868E+22	2,569968E+22	2,569943E+22	2,487789E+22	2,298875E+22	2,011273E+22	1,702027E+22	1,496567E+22	1,496587E+22	1,702066E+22	2,011316E+22
1512	2,298910E+22	2,487770E+22	2,569840E+22	2,569815E+22	2,487734E+22	2,298890E+22	2,011309E+22	1,702071E+22	1,496602E+22	1,496593E+22	1,702048E+22	2,011281E+22
1513	2,298859E+22	2,487743E+22	2,569898E+22	2,569937E+22	2,487853E+22	2,298967E+22	2,011329E+22	1,702050E+22	1,496579E+22	1,496585E+22	1,702064E+22	2,011336E+22
1514	2,298952E+22	2,487821E+22	2,569926E+22	2,569927E+22	2,487802E+22	2,298905E+22	2,011294E+22	1,702032E+22	1,496560E+22	1,496570E+22	1,702053E+22	2,011313E+22
1515	2,298897E+22	2,487717E+22	2,569774E+22	2,569788E+22	2,487753E+22	2,298931E+22	2,011348E+22	1,702082E+22	1,496582E+22	1,496557E+22	1,702023E+22	2,011287E+22
1516	2,298898E+22	2,487792E+22	2,569923E+22	2,569925E+22	2,487827E+22	2,298948E+22	2,011323E+22	1,702037E+22	1,496541E+22	1,496537E+22	1,702026E+22	2,011315E+22
1517	2,298937E+22	2,487804E+22	2,569894E+22	2,569860E+22	2,487734E+22	2,298874E+22	2,011284E+22	1,702017E+22	1,496526E+22	1,496519E+22	1,701997E+22	2,011259E+22
1518	2,298860E+22	2,487722E+22	2,569833E+22	2,569853E+22	2,487768E+22	2,298906E+22	2,011300E+22	1,702015E+22	1,496509E+22	1,496497E+22	1,701987E+22	2,011279E+22
1519	2,298926E+22	2,487842E+22	2,569965E+22	2,569965E+22	2,487843E+22	2,298905E+22	2,011239E+22	1,701942E+22	1,496459E+22	1,496487E+22	1,702006E+22	2,011302E+22
1520	2,298914E+22	2,487773E+22	2,569850E+22	2,569824E+22	2,487749E+22	2,298900E+22	2,011272E+22	1,701964E+22	1,496452E+22	1,496450E+22	1,701960E+22	2,011264E+22
1521	2,298877E+22	2,487740E+22	2,569869E+22	2,569908E+22	2,487836E+22	2,298958E+22	2,011301E+22	1,701966E+22	1,496435E+22	1,496426E+22	1,701944E+22	2,011288E+22
1522	2,298973E+22	2,487870E+22	2,569962E+22	2,569949E+22	2,487816E+22	2,298898E+22	2,011255E+22	1,701947E+22	1,496435E+22	1,496437E+22	1,701951E+22	2,011266E+22
1523	2,298907E+22	2,487772E+22	2,569829E+22	2,569802E+22	2,487736E+22	2,298893E+22	2,011293E+22	1,702006E+22	1,496490E+22	1,496469E+22	1,701954E+22	2,011237E+22
1524	2,298861E+22	2,487776E+22	2,569938E+22	2,569952E+22	2,487844E+22	2,298946E+22	2,011298E+22	1,701994E+22	1,496492E+22	1,496493E+22	1,701994E+22	2,011291E+22
1525	2,298918E+22	2,487796E+22	2,569912E+22	2,569906E+22	2,487780E+22	2,298893E+22	2,011272E+22	1,701994E+22	1,496516E+22	1,496529E+22	1,702019E+22	2,011280E+22
1526	2,298862E+22	2,487696E+22	2,569783E+22	2,569807E+22	2,487751E+22	2,298911E+22	2,011321E+22	1,702052E+22	1,496560E+22	1,496552E+22	1,702032E+22	2,011303E+22
1527	2,298922E+22	2,487809E+22	2,569916E+22	2,569918E+22	2,487822E+22	2,298924E+22	2,011296E+22	1,702034E+22	1,496572E+22	1,496591E+22	1,702075E+22	2,011340E+22
1528	2,298937E+22	2,487785E+22	2,569848E+22	2,569797E+22	2,487697E+22	2,298870E+22	2,011310E+22	1,702082E+22	1,496622E+22	1,496616E+22	1,702069E+22	2,011301E+22
1529	2,298869E+22	2,487713E+22	2,569830E+22	2,569855E+22	2,487769E+22	2,298915E+22	2,011340E+22	1,702108E+22	1,496645E+22	1,496633E+22	1,702078E+22	2,011320E+22
1530	2,298936E+22	2,487832E+22	2,569951E+22	2,569949E+22	2,487812E+22	2,298897E+22	2,011297E+22	1,702079E+22	1,496645E+22	1,496662E+22	1,702119E+22	2,011338E+22
1531	2,298893E+22	2,487727E+22	2,569802E+22	2,569780E+22	2,487711E+22	2,298891E+22	2,011336E+22	1,702124E+22	1,496679E+22	1,496673E+22	1,702111E+22	2,011313E+22
1532	2,298854E+22	2,487703E+22	2,569852E+22	2,569895E+22	2,487815E+22	2,298962E+22	2,011370E+22	1,702122E+22	1,496658E+22	1,496653E+22	1,702104E+22	2,011346E+22
1533	2,298941E+22	2,487791E+22	2,569879E+22	2,569877E+22	2,487769E+22	2,298903E+22	2,011325E+22	1,702099E+22	1,496650E+22	1,496651E+22	1,702097E+22	2,011314E+22
1534	2,298877E+22	2,487708E+22	2,569767E+22	2,569749E+22	2,487694E+22	2,298889E+22	2,011345E+22	1,702124E+22	1,496654E+22	1,496631E+22	1,702070E+22	2,011298E+22
1535	2,298892E+22	2,487783E+22	2,569918E+22	2,569912E+22	2,487797E+22	2,298915E+22	2,011310E+22	1,702068E+22	1,496613E+22	1,496620E+22	1,702081E+22	2,011326E+22
1536	2,298918E+22	2,487774E+22	2,569873E+22	2,569844E+22	2,487714E+22	2,298854E+22	2,011282E+22	1,702054E+22	1,496597E+22	1,496599E+22	1,702060E+22	2,011292E+22

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	2,298854E+22	2,487683E+22	2,569793E+22	2,569843E+22	2,487779E+22	2,298911E+22	2,011303E+22	1,702041E+22	1,496561E+22	1,496555E+22	1,702030E+22	2,011300E+22
1538	2,298928E+22	2,487823E+22	2,569935E+22	2,569941E+22	2,487839E+22	2,298925E+22	2,011274E+22	1,701991E+22	1,496514E+22	1,496532E+22	1,702036E+22	2,011322E+22
1539	2,298924E+22	2,487768E+22	2,569831E+22	2,569778E+22	2,487697E+22	2,298880E+22	2,011294E+22	1,702025E+22	1,496531E+22	1,496519E+22	1,701999E+22	2,011272E+22
1540	2,298871E+22	2,487730E+22	2,569864E+22	2,569889E+22	2,487794E+22	2,298935E+22	2,011327E+22	1,702037E+22	1,496528E+22	1,496507E+22	1,701979E+22	2,011273E+22
1541	2,298933E+22	2,487832E+22	2,569941E+22	2,569938E+22	2,487804E+22	2,298892E+22	2,011272E+22	1,702011E+22	1,496537E+22	1,496541E+22	1,702014E+22	2,011263E+22
1542	2,298859E+22	2,487725E+22	2,569806E+22	2,569787E+22	2,487716E+22	2,298876E+22	2,011293E+22	1,702048E+22	1,496572E+22	1,496564E+22	1,702030E+22	2,011272E+22
1543	2,298852E+22	2,487735E+22	2,569892E+22	2,569920E+22	2,487828E+22	2,298946E+22	2,011312E+22	1,702039E+22	1,496574E+22	1,496589E+22	1,702066E+22	2,011327E+22
1544	2,298918E+22	2,487761E+22	2,569860E+22	2,569849E+22	2,487735E+22	2,298882E+22	2,011304E+22	1,702066E+22	1,496610E+22	1,496621E+22	1,702088E+22	2,011320E+22
1545	2,298876E+22	2,487680E+22	2,569747E+22	2,569776E+22	2,487730E+22	2,298898E+22	2,011335E+22	1,702110E+22	1,496648E+22	1,496634E+22	1,702078E+22	2,011316E+22
1546	2,298923E+22	2,487811E+22	2,569913E+22	2,569899E+22	2,487796E+22	2,298916E+22	2,011319E+22	1,702097E+22	1,496660E+22	1,496670E+22	1,702123E+22	2,011354E+22
1547	2,298926E+22	2,487770E+22	2,569844E+22	2,569780E+22	2,487657E+22	2,298838E+22	2,011318E+22	1,702142E+22	1,496718E+22	1,496715E+22	1,702137E+22	2,011321E+22
1548	2,298852E+22	2,487680E+22	2,569811E+22	2,569851E+22	2,487759E+22	2,298910E+22	2,011360E+22	1,702164E+22	1,496731E+22	1,496721E+22	1,702134E+22	2,011331E+22
1549	2,298908E+22	2,487779E+22	2,569899E+22	2,569917E+22	2,487807E+22	2,298916E+22	2,011331E+22	1,702136E+22	1,496729E+22	1,496748E+22	1,702177E+22	2,011352E+22
1550	2,298876E+22	2,487698E+22	2,569767E+22	2,569734E+22	2,487667E+22	2,298876E+22	2,011357E+22	1,702176E+22	1,496748E+22	1,496740E+22	1,702158E+22	2,011337E+22
1551	2,298863E+22	2,487695E+22	2,569824E+22	2,569853E+22	2,487771E+22	2,298938E+22	2,011380E+22	1,702173E+22	1,496739E+22	1,496730E+22	1,702143E+22	2,011346E+22
1552	2,298924E+22	2,487774E+22	2,569862E+22	2,569842E+22	2,487717E+22	2,298869E+22	2,011335E+22	1,702158E+22	1,496739E+22	1,496737E+22	1,702150E+22	2,011322E+22
1553	2,298857E+22	2,487679E+22	2,569748E+22	2,569754E+22	2,487691E+22	2,298866E+22	2,011333E+22	1,702153E+22	1,496722E+22	1,496705E+22	1,702116E+22	2,011303E+22
1554	2,298869E+22	2,487755E+22	2,569898E+22	2,569908E+22	2,487804E+22	2,298926E+22	2,011322E+22	1,702100E+22	1,496669E+22	1,496680E+22	1,702131E+22	2,011356E+22
1555	2,298913E+22	2,487744E+22	2,569840E+22	2,569813E+22	2,487687E+22	2,298849E+22	2,011300E+22	1,702095E+22	1,496658E+22	1,496664E+22	1,702113E+22	2,011325E+22
1556	2,298865E+22	2,487666E+22	2,569763E+22	2,569815E+22	2,487750E+22	2,298908E+22	2,011338E+22	1,702099E+22	1,496628E+22	1,496612E+22	1,702059E+22	2,011303E+22
1557	2,298918E+22	2,487804E+22	2,569905E+22	2,569909E+22	2,487818E+22	2,298930E+22	2,011307E+22	1,702056E+22	1,496601E+22	1,496609E+22	1,702074E+22	2,011312E+22
1558	2,298898E+22	2,487761E+22	2,569831E+22	2,569758E+22	2,487652E+22	2,298851E+22	2,011302E+22	1,702075E+22	1,496611E+22	1,496601E+22	1,702051E+22	2,011281E+22
1559	2,298852E+22	2,487705E+22	2,569845E+22	2,569879E+22	2,487774E+22	2,298914E+22	2,011328E+22	1,702084E+22	1,496620E+22	1,496608E+22	1,702046E+22	2,011284E+22
1560	2,298899E+22	2,487782E+22	2,569899E+22	2,569912E+22	2,487786E+22	2,298885E+22	2,011288E+22	1,702066E+22	1,496630E+22	1,496644E+22	1,702096E+22	2,011305E+22
1561	2,298855E+22	2,487677E+22	2,569746E+22	2,569757E+22	2,487707E+22	2,298874E+22	2,011306E+22	1,702090E+22	1,496645E+22	1,496644E+22	1,702091E+22	2,011306E+22
1562	2,298865E+22	2,487722E+22	2,569851E+22	2,569874E+22	2,487796E+22	2,298948E+22	2,011347E+22	1,702102E+22	1,496650E+22	1,496655E+22	1,702117E+22	2,011362E+22
1563	2,298937E+22	2,487765E+22	2,569841E+22	2,569802E+22	2,487670E+22	2,298842E+22	2,011316E+22	1,702130E+22	1,496704E+22	1,496708E+22	1,702141E+22	2,011338E+22
1564	2,298878E+22	2,487680E+22	2,569748E+22	2,569761E+22	2,487684E+22	2,298867E+22	2,011351E+22	1,702173E+22	1,496742E+22	1,496722E+22	1,702122E+22	2,011306E+22
1565	2,298887E+22	2,487779E+22	2,569900E+22	2,569899E+22	2,487792E+22	2,298916E+22	2,011338E+22	1,702157E+22	1,496758E+22	1,496771E+22	1,702184E+22	2,011349E+22
1566	2,298882E+22	2,487733E+22	2,569827E+22	2,569773E+22	2,487644E+22	2,298831E+22	2,011327E+22	1,702183E+22	1,496794E+22	1,496801E+22	1,702201E+22	2,011346E+22
1567	2,298838E+22	2,487641E+22	2,569767E+22	2,569824E+22	2,487749E+22	2,298917E+22	2,011384E+22	1,702218E+22	1,496815E+22	1,496806E+22	1,702189E+22	2,011346E+22
1568	2,298890E+22	2,487740E+22	2,569847E+22	2,569868E+22	2,487772E+22	2,298912E+22	2,011368E+22	1,702210E+22	1,496822E+22	1,496833E+22	1,702232E+22	2,011375E+22
1569	2,298872E+22	2,487669E+22	2,569723E+22	2,569704E+22	2,487643E+22	2,298860E+22	2,011370E+22	1,702230E+22	1,496830E+22	1,496816E+22	1,702200E+22	2,011343E+22
1570	2,298853E+22	2,487686E+22	2,569809E+22	2,569828E+22	2,487738E+22	2,298924E+22	2,011399E+22	1,702227E+22	1,496815E+22	1,496802E+22	1,702196E+22	2,011367E+22
1571	2,298910E+22	2,487752E+22	2,569845E+22	2,569821E+22	2,487676E+22	2,298829E+22	2,011330E+22	1,702201E+22	1,496818E+22	1,496825E+22	1,702220E+22	2,011355E+22
1572	2,298851E+22	2,487653E+22	2,569725E+22	2,569742E+22	2,487677E+22	2,298859E+22	2,011342E+22	1,702186E+22	1,496783E+22	1,496776E+22	1,702169E+22	2,011325E+22

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	2,298859E+22	2,487724E+22	2,569857E+22	2,569879E+22	2,487796E+22	2,298941E+22	2,011349E+22	1,702141E+22	1,496729E+22	1,496746E+22	1,702177E+22	2,011369E+22
1574	2,298910E+22	2,487740E+22	2,569820E+22	2,569781E+22	2,487649E+22	2,298832E+22	2,011315E+22	1,702135E+22	1,496712E+22	1,496715E+22	1,702146E+22	2,011341E+22
1575	2,298874E+22	2,487672E+22	2,569752E+22	2,569792E+22	2,487720E+22	2,298889E+22	2,011348E+22	1,702149E+22	1,496706E+22	1,496682E+22	1,702087E+22	2,011289E+22
1576	2,298887E+22	2,487782E+22	2,569890E+22	2,569889E+22	2,487784E+22	2,298910E+22	2,011327E+22	1,702119E+22	1,496692E+22	1,496697E+22	1,702125E+22	2,011314E+22
1577	2,298864E+22	2,487714E+22	2,569801E+22	2,569766E+22	2,487659E+22	2,298840E+22	2,011306E+22	1,702118E+22	1,496690E+22	1,496686E+22	1,702109E+22	2,011292E+22
1578	2,298826E+22	2,487667E+22	2,569806E+22	2,569856E+22	2,487769E+22	2,298926E+22	2,011355E+22	1,702133E+22	1,496690E+22	1,496683E+22	1,702113E+22	2,011323E+22
1579	2,298891E+22	2,487741E+22	2,569844E+22	2,569858E+22	2,487738E+22	2,298869E+22	2,011313E+22	1,702127E+22	1,496715E+22	1,496732E+22	1,702167E+22	2,011349E+22
1580	2,298870E+22	2,487665E+22	2,569710E+22	2,569713E+22	2,487663E+22	2,298861E+22	2,011335E+22	1,702154E+22	1,496731E+22	1,496723E+22	1,702137E+22	2,011318E+22
1581	2,298863E+22	2,487716E+22	2,569829E+22	2,569836E+22	2,487757E+22	2,298934E+22	2,011370E+22	1,702169E+22	1,496749E+22	1,496749E+22	1,702167E+22	2,011358E+22
1582	2,298917E+22	2,487767E+22	2,569848E+22	2,569789E+22	2,487626E+22	2,298803E+22	2,011317E+22	1,702181E+22	1,496791E+22	1,496798E+22	1,702201E+22	2,011352E+22
1583	2,298861E+22	2,487663E+22	2,569742E+22	2,569767E+22	2,487677E+22	2,298847E+22	2,011349E+22	1,702223E+22	1,496837E+22	1,496822E+22	1,702186E+22	2,011315E+22
1584	2,298847E+22	2,487725E+22	2,569860E+22	2,569881E+22	2,487787E+22	2,298922E+22	2,011365E+22	1,702216E+22	1,496850E+22	1,496870E+22	1,702259E+22	2,011381E+22
1585	2,298867E+22	2,487679E+22	2,569768E+22	2,569752E+22	2,487646E+22	2,298841E+22	2,011356E+22	1,702235E+22	1,496868E+22	1,496876E+22	1,702254E+22	2,011369E+22
1586	2,298838E+22	2,487623E+22	2,569721E+22	2,569773E+22	2,487718E+22	2,298922E+22	2,011426E+22	1,702287E+22	1,496892E+22	1,496872E+22	1,702237E+22	2,011370E+22
1587	2,298887E+22	2,487725E+22	2,569817E+22	2,569816E+22	2,487709E+22	2,298875E+22	2,011383E+22	1,702277E+22	1,496917E+22	1,496922E+22	1,702288E+22	2,011392E+22
1588	2,298867E+22	2,487660E+22	2,569713E+22	2,569683E+22	2,487601E+22	2,298829E+22	2,011379E+22	1,702281E+22	1,496913E+22	1,496900E+22	1,702249E+22	2,011344E+22
1589	2,298823E+22	2,487655E+22	2,569789E+22	2,569818E+22	2,487728E+22	2,298912E+22	2,011406E+22	1,702271E+22	1,496893E+22	1,496889E+22	1,702256E+22	2,011377E+22
1590	2,298887E+22	2,487730E+22	2,569827E+22	2,569805E+22	2,487658E+22	2,298814E+22	2,011329E+22	1,702225E+22	1,496869E+22	1,496889E+22	1,702276E+22	2,011391E+22
1591	2,298858E+22	2,487637E+22	2,569697E+22	2,569719E+22	2,487664E+22	2,298856E+22	2,011355E+22	1,702225E+22	1,496844E+22	1,496834E+22	1,702207E+22	2,011337E+22
1592	2,298852E+22	2,487705E+22	2,569826E+22	2,569845E+22	2,487771E+22	2,298939E+22	2,011382E+22	1,702201E+22	1,496803E+22	1,496809E+22	1,702214E+22	2,011379E+22
1593	2,298904E+22	2,487722E+22	2,569799E+22	2,569769E+22	2,487637E+22	2,298819E+22	2,011329E+22	1,702182E+22	1,496781E+22	1,496777E+22	1,702174E+22	2,011332E+22
1594	2,298852E+22	2,487662E+22	2,569742E+22	2,569775E+22	2,487699E+22	2,298882E+22	2,011373E+22	1,702208E+22	1,496781E+22	1,496753E+22	1,702138E+22	2,011301E+22
1595	2,298852E+22	2,487739E+22	2,569861E+22	2,569870E+22	2,487756E+22	2,298881E+22	2,011330E+22	1,702172E+22	1,496781E+22	1,496792E+22	1,702198E+22	2,011345E+22
1596	2,298849E+22	2,487672E+22	2,569755E+22	2,569733E+22	2,487640E+22	2,298836E+22	2,011324E+22	1,702163E+22	1,496766E+22	1,496771E+22	1,702173E+22	2,011320E+22
1597	2,298817E+22	2,487631E+22	2,569754E+22	2,569805E+22	2,487738E+22	2,298926E+22	2,011387E+22	1,702193E+22	1,496772E+22	1,496767E+22	1,702172E+22	2,011346E+22
1598	2,298896E+22	2,487743E+22	2,569822E+22	2,569808E+22	2,487679E+22	2,298832E+22	2,011321E+22	1,702176E+22	1,496789E+22	1,496805E+22	1,702218E+22	2,011375E+22
1599	2,298883E+22	2,487677E+22	2,569710E+22	2,569691E+22	2,487624E+22	2,298825E+22	2,011334E+22	1,702208E+22	1,496825E+22	1,496810E+22	1,702179E+22	2,011312E+22
1600	2,298834E+22	2,487697E+22	2,569825E+22	2,569830E+22	2,487736E+22	2,298911E+22	2,011382E+22	1,702230E+22	1,496846E+22	1,496848E+22	1,702229E+22	2,011367E+22
1601	2,298882E+22	2,487717E+22	2,569823E+22	2,569807E+22	2,487648E+22	2,298801E+22	2,011324E+22	1,702225E+22	1,496872E+22	1,496886E+22	1,702260E+22	2,011364E+22
1602	2,298833E+22	2,487622E+22	2,569704E+22	2,569747E+22	2,487684E+22	2,298874E+22	2,011393E+22	1,702284E+22	1,496913E+22	1,496901E+22	1,702254E+22	2,011351E+22
1603	2,298828E+22	2,487673E+22	2,569802E+22	2,569831E+22	2,487751E+22	2,298916E+22	2,011405E+22	1,702293E+22	1,496945E+22	1,496960E+22	1,702325E+22	2,011417E+22
1604	2,298872E+22	2,487656E+22	2,569722E+22	2,569696E+22	2,487605E+22	2,298837E+22	2,011396E+22	1,702310E+22	1,496963E+22	1,496962E+22	1,702304E+22	2,011380E+22
1605	2,298828E+22	2,487608E+22	2,569692E+22	2,569723E+22	2,487671E+22	2,298905E+22	2,011454E+22	1,702358E+22	1,496992E+22	1,496969E+22	1,702293E+22	2,011374E+22
1606	2,298870E+22	2,487720E+22	2,569812E+22	2,569788E+22	2,487656E+22	2,298826E+22	2,011376E+22	1,702320E+22	1,496996E+22	1,497009E+22	1,702353E+22	2,011421E+22
1607	2,298864E+22	2,487648E+22	2,569707E+22	2,569681E+22	2,487589E+22	2,298799E+22	2,011361E+22	1,702313E+22	1,496990E+22	1,496983E+22	1,702307E+22	2,011364E+22
1608	2,298807E+22	2,487620E+22	2,569757E+22	2,569797E+22	2,487717E+22	2,298907E+22	2,011417E+22	1,702308E+22	1,496957E+22	1,496961E+22	1,702315E+22	2,011411E+22

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	2,298889E+22	2,487696E+22	2,569789E+22	2,569794E+22	2,487661E+22	2,298817E+22	2,011347E+22	1,702259E+22	1,496915E+22	1,496934E+22	1,702305E+22	2,011404E+22
1610	2,298864E+22	2,487641E+22	2,569684E+22	2,569689E+22	2,487643E+22	2,298858E+22	2,011388E+22	1,702279E+22	1,496899E+22	1,496878E+22	1,702233E+22	2,011342E+22
1611	2,298832E+22	2,487685E+22	2,569810E+22	2,569813E+22	2,487725E+22	2,298908E+22	2,011398E+22	1,702264E+22	1,496887E+22	1,496884E+22	1,702252E+22	2,011376E+22
1612	2,298877E+22	2,487698E+22	2,569786E+22	2,569754E+22	2,487619E+22	2,298809E+22	2,011346E+22	1,702234E+22	1,496863E+22	1,496858E+22	1,702218E+22	2,011324E+22
1613	2,298808E+22	2,487614E+22	2,569708E+22	2,569751E+22	2,487691E+22	2,298881E+22	2,011391E+22	1,702260E+22	1,496867E+22	1,496845E+22	1,702201E+22	2,011313E+22
1614	2,298826E+22	2,487699E+22	2,569819E+22	2,569829E+22	2,487726E+22	2,298865E+22	2,011339E+22	1,702212E+22	1,496849E+22	1,496870E+22	1,702265E+22	2,011391E+22
1615	2,298861E+22	2,487652E+22	2,569718E+22	2,569695E+22	2,487611E+22	2,298817E+22	2,011333E+22	1,702215E+22	1,496846E+22	1,496846E+22	1,702224E+22	2,011344E+22
1616	2,298816E+22	2,487614E+22	2,569723E+22	2,569762E+22	2,487698E+22	2,298903E+22	2,011407E+22	1,702256E+22	1,496860E+22	1,496851E+22	1,702228E+22	2,011369E+22
1617	2,298895E+22	2,487727E+22	2,569810E+22	2,569799E+22	2,487660E+22	2,298810E+22	2,011329E+22	1,702225E+22	1,496868E+22	1,496883E+22	1,702262E+22	2,011379E+22
1618	2,298868E+22	2,487672E+22	2,569715E+22	2,569686E+22	2,487610E+22	2,298816E+22	2,011356E+22	1,702267E+22	1,496905E+22	1,496893E+22	1,702243E+22	2,011331E+22
1619	2,298800E+22	2,487651E+22	2,569797E+22	2,569816E+22	2,487724E+22	2,298898E+22	2,011397E+22	1,702291E+22	1,496944E+22	1,496950E+22	1,702304E+22	2,011398E+22
1620	2,298869E+22	2,487675E+22	2,569776E+22	2,569772E+22	2,487645E+22	2,298822E+22	2,011362E+22	1,702285E+22	1,496958E+22	1,496975E+22	1,702322E+22	2,011387E+22
1621	2,298820E+22	2,487584E+22	2,569651E+22	2,569690E+22	2,487654E+22	2,298884E+22	2,011442E+22	1,702363E+22	1,497010E+22	1,496991E+22	1,702310E+22	2,011369E+22
1622	2,298828E+22	2,487663E+22	2,569770E+22	2,569773E+22	2,487689E+22	2,298880E+22	2,011421E+22	1,702358E+22	1,497035E+22	1,497043E+22	1,702379E+22	2,011442E+22
1623	2,298878E+22	2,487657E+22	2,569714E+22	2,569666E+22	2,487557E+22	2,298791E+22	2,011392E+22	1,702371E+22	1,497064E+22	1,497054E+22	1,702354E+22	2,011381E+22
1624	2,298802E+22	2,487584E+22	2,569683E+22	2,569710E+22	2,487641E+22	2,298871E+22	2,011454E+22	1,702409E+22	1,497083E+22	1,497065E+22	1,702361E+22	2,011394E+22
1625	2,298847E+22	2,487678E+22	2,569791E+22	2,569796E+22	2,487663E+22	2,298815E+22	2,011369E+22	1,702345E+22	1,497055E+22	1,497078E+22	1,702404E+22	2,011439E+22
1626	2,298852E+22	2,487625E+22	2,569686E+22	2,569663E+22	2,487589E+22	2,298815E+22	2,011388E+22	1,702352E+22	1,497038E+22	1,497037E+22	1,702356E+22	2,011393E+22
1627	2,298798E+22	2,487587E+22	2,569721E+22	2,569764E+22	2,487693E+22	2,298900E+22	2,011442E+22	1,702364E+22	1,497027E+22	1,497022E+22	1,702352E+22	2,011429E+22
1628	2,298893E+22	2,487684E+22	2,569760E+22	2,569754E+22	2,487641E+22	2,298823E+22	2,011378E+22	1,702316E+22	1,496989E+22	1,496994E+22	1,702328E+22	2,011392E+22
1629	2,298839E+22	2,487622E+22	2,569669E+22	2,569657E+22	2,487614E+22	2,298853E+22	2,011420E+22	1,702346E+22	1,496987E+22	1,496958E+22	1,702272E+22	2,011331E+22
1630	2,298800E+22	2,487658E+22	2,569796E+22	2,569791E+22	2,487687E+22	2,298871E+22	2,011395E+22	1,702309E+22	1,496965E+22	1,496967E+22	1,702313E+22	2,011397E+22
1631	2,298858E+22	2,487663E+22	2,569761E+22	2,569740E+22	2,487607E+22	2,298787E+22	2,011337E+22	1,702275E+22	1,496946E+22	1,496946E+22	1,702282E+22	2,011349E+22
1632	2,298789E+22	2,487567E+22	2,569659E+22	2,569710E+22	2,487668E+22	2,298876E+22	2,011406E+22	1,702303E+22	1,496939E+22	1,496928E+22	1,702271E+22	2,011358E+22
1633	2,298836E+22	2,487666E+22	2,569775E+22	2,569794E+22	2,487701E+22	2,298852E+22	2,011352E+22	1,702253E+22	1,496908E+22	1,496928E+22	1,702306E+22	2,011416E+22
1634	2,298880E+22	2,487663E+22	2,569711E+22	2,569662E+22	2,487576E+22	2,298804E+22	2,011355E+22	1,702269E+22	1,496913E+22	1,496908E+22	1,702266E+22	2,011359E+22
1635	2,298808E+22	2,487604E+22	2,569720E+22	2,569742E+22	2,487657E+22	2,298867E+22	2,011413E+22	1,702318E+22	1,496954E+22	1,496939E+22	1,702278E+22	2,011377E+22
1636	2,298877E+22	2,487708E+22	2,569802E+22	2,569792E+22	2,487658E+22	2,298811E+22	2,011347E+22	1,702281E+22	1,496957E+22	1,496972E+22	1,702314E+22	2,011377E+22
1637	2,298827E+22	2,487628E+22	2,569691E+22	2,569672E+22	2,487613E+22	2,298832E+22	2,011390E+22	1,702334E+22	1,497002E+22	1,496992E+22	1,702306E+22	2,011344E+22
1638	2,298775E+22	2,487605E+22	2,569749E+22	2,569774E+22	2,487696E+22	2,298894E+22	2,011425E+22	1,702354E+22	1,497032E+22	1,497040E+22	1,702371E+22	2,011434E+22
1639	2,298872E+22	2,487650E+22	2,569737E+22	2,569730E+22	2,487615E+22	2,298809E+22	2,011386E+22	1,702362E+22	1,497063E+22	1,497067E+22	1,702376E+22	2,011404E+22
1640	2,298812E+22	2,487560E+22	2,569615E+22	2,569636E+22	2,487603E+22	2,298860E+22	2,011465E+22	1,702437E+22	1,497115E+22	1,497091E+22	1,702375E+22	2,011391E+22
1641	2,298820E+22	2,487635E+22	2,569749E+22	2,569753E+22	2,487653E+22	2,298849E+22	2,011424E+22	1,702409E+22	1,497120E+22	1,497129E+22	1,702432E+22	2,011455E+22
1642	2,298868E+22	2,487647E+22	2,569717E+22	2,569663E+22	2,487538E+22	2,298768E+22	2,011394E+22	1,702414E+22	1,497135E+22	1,497136E+22	1,702422E+22	2,011409E+22
1643	2,298778E+22	2,487540E+22	2,569655E+22	2,569696E+22	2,487625E+22	2,298848E+22	2,011449E+22	1,702449E+22	1,497160E+22	1,497152E+22	1,702429E+22	2,011431E+22
1644	2,298849E+22	2,487648E+22	2,569752E+22	2,569761E+22	2,487661E+22	2,298838E+22	2,011398E+22	1,702385E+22	1,497115E+22	1,497141E+22	1,702447E+22	2,011455E+22

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°
1645	2,298847E+22	2,487605E+22	2,569657E+22	2,569624E+22	2,487567E+22	2,298825E+22	2,011429E+22	1,702414E+22	1,497109E+22	1,497097E+22	1,702384E+22	2,011393E+22
1646	2,298795E+22	2,487582E+22	2,569701E+22	2,569723E+22	2,487645E+22	2,298874E+22	2,011454E+22	1,702418E+22	1,497100E+22	1,497084E+22	1,702382E+22	2,011429E+22
1647	2,298883E+22	2,487677E+22	2,569758E+22	2,569742E+22	2,487613E+22	2,298793E+22	2,011377E+22	1,702371E+22	1,497076E+22	1,497070E+22	1,702363E+22	2,011378E+22
1648	2,298797E+22	2,487579E+22	2,569647E+22	2,569643E+22	2,487594E+22	2,298834E+22	2,011425E+22	1,702394E+22	1,497070E+22	1,497048E+22	1,702337E+22	2,011350E+22
1649	2,298769E+22	2,487596E+22	2,569753E+22	2,569781E+22	2,487686E+22	2,298868E+22	2,011399E+22	1,702338E+22	1,497024E+22	1,497036E+22	1,702368E+22	2,011425E+22
1650	2,298855E+22	2,487634E+22	2,569727E+22	2,569706E+22	2,487588E+22	2,298793E+22	2,011364E+22	1,702317E+22	1,496999E+22	1,497009E+22	1,702343E+22	2,011388E+22
1651	2,298793E+22	2,487540E+22	2,569619E+22	2,569665E+22	2,487625E+22	2,298853E+22	2,011421E+22	1,702361E+22	1,497018E+22	1,497002E+22	1,702322E+22	2,011388E+22
1652	2,298856E+22	2,487671E+22	2,569754E+22	2,569749E+22	2,487670E+22	2,298850E+22	2,011374E+22	1,702308E+22	1,496988E+22	1,497001E+22	1,702342E+22	2,011413E+22
1653	2,298866E+22	2,487659E+22	2,569714E+22	2,569644E+22	2,487548E+22	2,298793E+22	2,011380E+22	1,702337E+22	1,497008E+22	1,496997E+22	1,702310E+22	2,011355E+22
1654	2,298786E+22	2,487585E+22	2,569713E+22	2,569735E+22	2,487633E+22	2,298838E+22	2,011412E+22	1,702369E+22	1,497043E+22	1,497031E+22	1,702341E+22	2,011397E+22
1655	2,298859E+22	2,487674E+22	2,569779E+22	2,569784E+22	2,487657E+22	2,298804E+22	2,011354E+22	1,702338E+22	1,497054E+22	1,497069E+22	1,702379E+22	2,011397E+22
1656	2,298803E+22	2,487574E+22	2,569640E+22	2,569633E+22	2,487592E+22	2,298839E+22	2,011426E+22	1,702401E+22	1,497095E+22	1,497090E+22	1,702382E+22	2,011383E+22
1657	2,298772E+22	2,487561E+22	2,569700E+22	2,569735E+22	2,487662E+22	2,298882E+22	2,011449E+22	1,702414E+22	1,497114E+22	1,497117E+22	1,702420E+22	2,011452E+22
1658	2,298874E+22	2,487645E+22	2,569720E+22	2,569689E+22	2,487568E+22	2,298789E+22	2,011408E+22	1,702425E+22	1,497150E+22	1,497153E+22	1,702435E+22	2,011418E+22
1659	2,298794E+22	2,487536E+22	2,569599E+22	2,569610E+22	2,487557E+22	2,298818E+22	2,011463E+22	1,702496E+22	1,497216E+22	1,497193E+22	1,702439E+22	2,011409E+22
1660	2,298808E+22	2,487612E+22	2,569727E+22	2,569732E+22	2,487642E+22	2,298844E+22	2,011430E+22	1,702453E+22	1,497203E+22	1,497218E+22	1,702490E+22	2,011464E+22
1661	2,298841E+22	2,487610E+22	2,569691E+22	2,569649E+22	2,487536E+22	2,298780E+22	2,011421E+22	1,702466E+22	1,497213E+22	1,497217E+22	1,702476E+22	2,011429E+22
1662	2,298775E+22	2,487512E+22	2,569617E+22	2,569664E+22	2,487600E+22	2,298841E+22	2,011466E+22	1,702494E+22	1,497224E+22	1,497217E+22	1,702477E+22	2,011459E+22
1663	2,298858E+22	2,487638E+22	2,569726E+22	2,569732E+22	2,487638E+22	2,298829E+22	2,011418E+22	1,702447E+22	1,497196E+22	1,497206E+22	1,702478E+22	2,011454E+22
1664	2,298831E+22	2,487585E+22	2,569634E+22	2,569591E+22	2,487531E+22	2,298817E+22	2,011455E+22	1,702476E+22	1,497194E+22	1,497176E+22	1,702430E+22	2,011398E+22
1665	2,298772E+22	2,487547E+22	2,569682E+22	2,569711E+22	2,487617E+22	2,298852E+22	2,011462E+22	1,702462E+22	1,497171E+22	1,497155E+22	1,702423E+22	2,011428E+22
1666	2,298858E+22	2,487652E+22	2,569747E+22	2,569736E+22	2,487600E+22	2,298781E+22	2,011384E+22	1,702410E+22	1,497142E+22	1,497149E+22	1,702429E+22	2,011402E+22
1667	2,298772E+22	2,487528E+22	2,569602E+22	2,569617E+22	2,487572E+22	2,298818E+22	2,011425E+22	1,702432E+22	1,497143E+22	1,497131E+22	1,702405E+22	2,011393E+22
1668	2,298782E+22	2,487571E+22	2,569700E+22	2,569726E+22	2,487663E+22	2,298881E+22	2,011424E+22	1,702379E+22	1,497084E+22	1,497099E+22	1,702414E+22	2,011449E+22
1669	2,298864E+22	2,487629E+22	2,569703E+22	2,569665E+22	2,487550E+22	2,298787E+22	2,011395E+22	1,702378E+22	1,497074E+22	1,497073E+22	1,702375E+22	2,011397E+22
1670	2,298806E+22	2,487549E+22	2,569611E+22	2,569633E+22	2,487572E+22	2,298813E+22	2,011421E+22	1,702408E+22	1,497096E+22	1,497074E+22	1,702361E+22	2,011393E+22
1671	2,298851E+22	2,487674E+22	2,569767E+22	2,569753E+22	2,487647E+22	2,298820E+22	2,011374E+22	1,702363E+22	1,497080E+22	1,497086E+22	1,702385E+22	2,011402E+22
1672	2,298824E+22	2,487620E+22	2,569701E+22	2,569647E+22	2,487542E+22	2,298787E+22	2,011391E+22	1,702389E+22	1,497099E+22	1,497095E+22	1,702379E+22	2,011370E+22
1673	2,298749E+22	2,487519E+22	2,569669E+22	2,569725E+22	2,487634E+22	2,298848E+22	2,011433E+22	1,702415E+22	1,497118E+22	1,497112E+22	1,702398E+22	2,011416E+22
1674	2,298845E+22	2,487636E+22	2,569738E+22	2,569754E+22	2,487642E+22	2,298818E+22	2,011394E+22	1,702398E+22	1,497131E+22	1,497151E+22	1,702445E+22	2,011426E+22
1675	2,298793E+22	2,487532E+22	2,569584E+22	2,569581E+22	2,487543E+22	2,298818E+22	2,011451E+22	1,702477E+22	1,497199E+22	1,497187E+22	1,702445E+22	2,011412E+22
1676	2,298781E+22	2,487549E+22	2,569658E+22	2,569673E+22	2,487618E+22	2,298878E+22	2,011477E+22	1,702482E+22	1,497212E+22	1,497211E+22	1,702475E+22	2,011458E+22
1677	2,298858E+22	2,487631E+22	2,569710E+22	2,569665E+22	2,487527E+22	2,298766E+22	2,011429E+22	1,702494E+22	1,497252E+22	1,497254E+22	1,702495E+22	2,011432E+22
1678	2,298783E+22	2,487516E+22	2,569580E+22	2,569594E+22	2,487526E+22	2,298780E+22	2,011450E+22	1,702536E+22	1,497300E+22	1,497288E+22	1,702512E+22	2,011443E+22
1679	2,298807E+22	2,487591E+22	2,569706E+22	2,569720E+22	2,487633E+22	2,298833E+22	2,011434E+22	1,702497E+22	1,497282E+22	1,497300E+22	1,702548E+22	2,011487E+22
1680	2,298832E+22	2,487576E+22	2,569652E+22	2,569619E+22	2,487517E+22	2,298786E+22	2,011451E+22	1,702519E+22	1,497285E+22	1,497291E+22	1,702530E+22	2,011455E+22

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	2,298773E+22	2,487487E+22	2,569588E+22	2,569638E+22	2,487571E+22	2,298832E+22	2,011489E+22	1,702545E+22	1,497288E+22	1,497270E+22	1,702501E+22	2,011457E+22
1682	2,298851E+22	2,487638E+22	2,569724E+22	2,569713E+22	2,487607E+22	2,298817E+22	2,011440E+22	1,702499E+22	1,497266E+22	1,497275E+22	1,702518E+22	2,011448E+22
1683	2,298795E+22	2,487550E+22	2,569616E+22	2,569579E+22	2,487499E+22	2,298787E+22	2,011460E+22	1,702530E+22	1,497282E+22	1,497265E+22	1,702486E+22	2,011407E+22
1684	2,298749E+22	2,487511E+22	2,569641E+22	2,569683E+22	2,487611E+22	2,298860E+22	2,011475E+22	1,702502E+22	1,497242E+22	1,497234E+22	1,702478E+22	2,011438E+22
1685	2,298828E+22	2,487608E+22	2,569707E+22	2,569709E+22	2,487587E+22	2,298790E+22	2,011414E+22	1,702460E+22	1,497214E+22	1,497224E+22	1,702481E+22	2,011429E+22
1686	2,298780E+22	2,487506E+22	2,569560E+22	2,569575E+22	2,487533E+22	2,298796E+22	2,011432E+22	1,702472E+22	1,497207E+22	1,497197E+22	1,702457E+22	2,011428E+22
1687	2,298805E+22	2,487578E+22	2,569682E+22	2,569694E+22	2,487622E+22	2,298851E+22	2,011432E+22	1,702435E+22	1,497163E+22	1,497166E+22	1,702450E+22	2,011453E+22
1688	2,298856E+22	2,487623E+22	2,569693E+22	2,569645E+22	2,487516E+22	2,298770E+22	2,011411E+22	1,702432E+22	1,497156E+22	1,497155E+22	1,702426E+22	2,011406E+22
1689	2,298783E+22	2,487526E+22	2,569612E+22	2,569640E+22	2,487552E+22	2,298789E+22	2,011422E+22	1,702448E+22	1,497165E+22	1,497147E+22	1,702405E+22	2,011392E+22
1690	2,298820E+22	2,487645E+22	2,569758E+22	2,569758E+22	2,487647E+22	2,298819E+22	2,011386E+22	1,702403E+22	1,497152E+22	1,497173E+22	1,702454E+22	2,011420E+22
1691	2,298790E+22	2,487560E+22	2,569648E+22	2,569623E+22	2,487532E+22	2,298791E+22	2,011415E+22	1,702443E+22	1,497186E+22	1,497191E+22	1,702453E+22	2,011409E+22
1692	2,298752E+22	2,487485E+22	2,569598E+22	2,569659E+22	2,487611E+22	2,298870E+22	2,011476E+22	1,702480E+22	1,497201E+22	1,497193E+22	1,702452E+22	2,011434E+22
1693	2,298839E+22	2,487616E+22	2,569699E+22	2,569702E+22	2,487596E+22	2,298810E+22	2,011436E+22	1,702483E+22	1,497234E+22	1,497238E+22	1,702491E+22	2,011441E+22
1694	2,298799E+22	2,487528E+22	2,569563E+22	2,569540E+22	2,487480E+22	2,298768E+22	2,011451E+22	1,702537E+22	1,497298E+22	1,497283E+22	1,702505E+22	2,011430E+22
1695	2,298777E+22	2,487546E+22	2,569656E+22	2,569662E+22	2,487578E+22	2,298832E+22	2,011473E+22	1,702543E+22	1,497313E+22	1,497311E+22	1,702536E+22	2,011465E+22
1696	2,298825E+22	2,487595E+22	2,569689E+22	2,569658E+22	2,487517E+22	2,298757E+22	2,011438E+22	1,702542E+22	1,497339E+22	1,497353E+22	1,702572E+22	2,011461E+22
1697	2,298760E+22	2,487472E+22	2,569551E+22	2,569584E+22	2,487518E+22	2,298782E+22	2,011466E+22	1,702573E+22	1,497362E+22	1,497357E+22	1,702564E+22	2,011466E+22
1698	2,298803E+22	2,487573E+22	2,569683E+22	2,569701E+22	2,487620E+22	2,298843E+22	2,011469E+22	1,702549E+22	1,497348E+22	1,497369E+22	1,702599E+22	2,011503E+22
1699	2,298821E+22	2,487549E+22	2,569615E+22	2,569587E+22	2,487488E+22	2,298776E+22	2,011478E+22	1,702586E+22	1,497375E+22	1,497370E+22	1,702575E+22	2,011466E+22
1700	2,298770E+22	2,487476E+22	2,569553E+22	2,569593E+22	2,487547E+22	2,298837E+22	2,011520E+22	1,702607E+22	1,497373E+22	1,497347E+22	1,702540E+22	2,011446E+22
1701	2,298813E+22	2,487611E+22	2,569713E+22	2,569702E+22	2,487583E+22	2,298803E+22	2,011465E+22	1,702564E+22	1,497356E+22	1,497359E+22	1,702567E+22	2,011457E+22
1702	2,298776E+22	2,487513E+22	2,569581E+22	2,569557E+22	2,487473E+22	2,298754E+22	2,011450E+22	1,702565E+22	1,497357E+22	1,497351E+22	1,702557E+22	2,011445E+22
1703	2,298749E+22	2,487487E+22	2,569605E+22	2,569653E+22	2,487587E+22	2,298843E+22	2,011484E+22	1,702544E+22	1,497310E+22	1,497308E+22	1,702537E+22	2,011468E+22
1704	2,298827E+22	2,487585E+22	2,569666E+22	2,569666E+22	2,487552E+22	2,298781E+22	2,011433E+22	1,702504E+22	1,497277E+22	1,497290E+22	1,702535E+22	2,011460E+22
1705	2,298785E+22	2,487500E+22	2,569544E+22	2,569546E+22	2,487493E+22	2,298769E+22	2,011437E+22	1,702508E+22	1,497261E+22	1,497246E+22	1,702481E+22	2,011430E+22
1706	2,298804E+22	2,487590E+22	2,569695E+22	2,569690E+22	2,487598E+22	2,298830E+22	2,011438E+22	1,702471E+22	1,497226E+22	1,497234E+22	1,702489E+22	2,011446E+22
1707	2,298821E+22	2,487591E+22	2,569680E+22	2,569648E+22	2,487503E+22	2,298747E+22	2,011414E+22	1,702479E+22	1,497237E+22	1,497238E+22	1,702480E+22	2,011414E+22
1708	2,298756E+22	2,487488E+22	2,569568E+22	2,569618E+22	2,487563E+22	2,298812E+22	2,011450E+22	1,702497E+22	1,497241E+22	1,497226E+22	1,702458E+22	2,011398E+22
1709	2,298781E+22	2,487593E+22	2,569715E+22	2,569731E+22	2,487639E+22	2,298840E+22	2,011436E+22	1,702474E+22	1,497238E+22	1,497253E+22	1,702505E+22	2,011445E+22
1710	2,298789E+22	2,487525E+22	2,569591E+22	2,569570E+22	2,487490E+22	2,298771E+22	2,011439E+22	1,702510E+22	1,497278E+22	1,497279E+22	1,702516E+22	2,011442E+22
1711	2,298765E+22	2,487482E+22	2,569565E+22	2,569606E+22	2,487556E+22	2,298838E+22	2,011499E+22	1,702558E+22	1,497306E+22	1,497287E+22	1,702508E+22	2,011445E+22
1712	2,298824E+22	2,487599E+22	2,569676E+22	2,569663E+22	2,487545E+22	2,298780E+22	2,011453E+22	1,702550E+22	1,497338E+22	1,497345E+22	1,702564E+22	2,011461E+22
1713	2,298777E+22	2,487506E+22	2,569560E+22	2,569535E+22	2,487448E+22	2,298728E+22	2,011444E+22	1,702579E+22	1,497380E+22	1,497373E+22	1,702568E+22	2,011449E+22
1714	2,298763E+22	2,487527E+22	2,569651E+22	2,569666E+22	2,487574E+22	2,298818E+22	2,011473E+22	1,702576E+22	1,497388E+22	1,497405E+22	1,702613E+22	2,011494E+22
1715	2,298805E+22	2,487548E+22	2,569646E+22	2,569639E+22	2,487510E+22	2,298759E+22	2,011459E+22	1,702592E+22	1,497418E+22	1,497439E+22	1,702640E+22	2,011500E+22
1716	2,298770E+22	2,487455E+22	2,569501E+22	2,569534E+22	2,487506E+22	2,298805E+22	2,011509E+22	1,702635E+22	1,497436E+22	1,497424E+22	1,702603E+22	2,011471E+22

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	2,298788E+22	2,487558E+22	2,569663E+22	2,569668E+22	2,487588E+22	2,298842E+22	2,011514E+22	1,702630E+22	1,497441E+22	1,497441E+22	1,702627E+22	2,011502E+22
1718	2,298811E+22	2,487535E+22	2,569597E+22	2,569560E+22	2,487448E+22	2,298740E+22	2,011484E+22	1,702644E+22	1,497466E+22	1,497459E+22	1,702626E+22	2,011472E+22
1719	2,298750E+22	2,487459E+22	2,569539E+22	2,569576E+22	2,487517E+22	2,298803E+22	2,011523E+22	1,702663E+22	1,497462E+22	1,497437E+22	1,702598E+22	2,011451E+22
1720	2,298772E+22	2,487556E+22	2,569670E+22	2,569679E+22	2,487573E+22	2,298799E+22	2,011476E+22	1,702607E+22	1,497431E+22	1,497446E+22	1,702640E+22	2,011492E+22
1721	2,298756E+22	2,487469E+22	2,569546E+22	2,569531E+22	2,487452E+22	2,298742E+22	2,011457E+22	1,702591E+22	1,497403E+22	1,497406E+22	1,702604E+22	2,011476E+22
1722	2,298759E+22	2,487477E+22	2,569583E+22	2,569622E+22	2,487557E+22	2,298827E+22	2,011496E+22	1,702578E+22	1,497363E+22	1,497368E+22	1,702582E+22	2,011487E+22
1723	2,298827E+22	2,487571E+22	2,569640E+22	2,569632E+22	2,487519E+22	2,298762E+22	2,011449E+22	1,702555E+22	1,497349E+22	1,497357E+22	1,702575E+22	2,011474E+22
1724	2,298789E+22	2,487504E+22	2,569528E+22	2,569514E+22	2,487474E+22	2,298768E+22	2,011457E+22	1,702556E+22	1,497330E+22	1,497311E+22	1,702513E+22	2,011417E+22
1725	2,298767E+22	2,487567E+22	2,569695E+22	2,569693E+22	2,487591E+22	2,298823E+22	2,011463E+22	1,702533E+22	1,497309E+22	1,497308E+22	1,702529E+22	2,011452E+22
1726	2,298800E+22	2,487551E+22	2,569646E+22	2,569634E+22	2,487498E+22	2,298733E+22	2,011417E+22	1,702523E+22	1,497317E+22	1,497326E+22	1,702545E+22	2,011444E+22
1727	2,298750E+22	2,487457E+22	2,569524E+22	2,569577E+22	2,487538E+22	2,298807E+22	2,011480E+22	1,702562E+22	1,497324E+22	1,497310E+22	1,702518E+22	2,011422E+22
1728	2,298766E+22	2,487553E+22	2,569661E+22	2,569677E+22	2,487601E+22	2,298833E+22	2,011473E+22	1,702546E+22	1,497329E+22	1,497341E+22	1,702569E+22	2,011472E+22
1729	2,298781E+22	2,487510E+22	2,569572E+22	2,569529E+22	2,487437E+22	2,298734E+22	2,011448E+22	1,702566E+22	1,497362E+22	1,497359E+22	1,702563E+22	2,011454E+22
1730	2,298759E+22	2,487483E+22	2,569573E+22	2,569591E+22	2,487516E+22	2,298798E+22	2,011499E+22	1,702605E+22	1,497396E+22	1,497388E+22	1,702574E+22	2,011455E+22
1731	2,298794E+22	2,487565E+22	2,569658E+22	2,569655E+22	2,487528E+22	2,298753E+22	2,011453E+22	1,702601E+22	1,497432E+22	1,497449E+22	1,702639E+22	2,011490E+22
1732	2,298764E+22	2,487474E+22	2,569520E+22	2,569511E+22	2,487459E+22	2,298748E+22	2,011466E+22	1,702626E+22	1,497457E+22	1,497456E+22	1,702628E+22	2,011468E+22
1733	2,298742E+22	2,487491E+22	2,569621E+22	2,569650E+22	2,487572E+22	2,298835E+22	2,011520E+22	1,702647E+22	1,497471E+22	1,497477E+22	1,702659E+22	2,011522E+22
1734	2,298813E+22	2,487523E+22	2,569601E+22	2,569598E+22	2,487483E+22	2,298745E+22	2,011484E+22	1,702659E+22	1,497507E+22	1,497521E+22	1,702691E+22	2,011522E+22
1735	2,298776E+22	2,487452E+22	2,569481E+22	2,569493E+22	2,487465E+22	2,298787E+22	2,011542E+22	1,702715E+22	1,497535E+22	1,497510E+22	1,702649E+22	2,011470E+22
1736	2,298757E+22	2,487527E+22	2,569642E+22	2,569639E+22	2,487551E+22	2,298822E+22	2,011537E+22	1,702696E+22	1,497537E+22	1,497537E+22	1,702690E+22	2,011510E+22
1737	2,298772E+22	2,487496E+22	2,569582E+22	2,569545E+22	2,487419E+22	2,298706E+22	2,011477E+22	1,702682E+22	1,497540E+22	1,497539E+22	1,702685E+22	2,011492E+22
1738	2,298733E+22	2,487429E+22	2,569517E+22	2,569559E+22	2,487506E+22	2,298789E+22	2,011519E+22	1,702686E+22	1,497524E+22	1,497520E+22	1,702667E+22	2,011485E+22
1739	2,298763E+22	2,487512E+22	2,569616E+22	2,569634E+22	2,487549E+22	2,298791E+22	2,011490E+22	1,702645E+22	1,497492E+22	1,497513E+22	1,702697E+22	2,011534E+22
1740	2,298781E+22	2,487465E+22	2,569503E+22	2,569478E+22	2,487428E+22	2,298745E+22	2,011481E+22	1,702637E+22	1,497458E+22	1,497451E+22	1,702628E+22	2,011482E+22
1741	2,298758E+22	2,487482E+22	2,569587E+22	2,569604E+22	2,487526E+22	2,298810E+22	2,011519E+22	1,702638E+22	1,497434E+22	1,497418E+22	1,702597E+22	2,011485E+22
1742	2,298821E+22	2,487563E+22	2,569638E+22	2,569622E+22	2,487493E+22	2,298726E+22	2,011444E+22	1,702599E+22	1,497425E+22	1,497431E+22	1,702615E+22	2,011472E+22
1743	2,298765E+22	2,487488E+22	2,569527E+22	2,569511E+22	2,487463E+22	2,298752E+22	2,011470E+22	1,702611E+22	1,497410E+22	1,497392E+22	1,702563E+22	2,011416E+22
1744	2,298717E+22	2,487505E+22	2,569653E+22	2,569674E+22	2,487591E+22	2,298835E+22	2,011491E+22	1,702588E+22	1,497390E+22	1,497395E+22	1,702594E+22	2,011472E+22
1745	2,298768E+22	2,487501E+22	2,569607E+22	2,569599E+22	2,487477E+22	2,298730E+22	2,011440E+22	1,702574E+22	1,497387E+22	1,497397E+22	1,702598E+22	2,011471E+22
1746	2,298752E+22	2,487439E+22	2,569494E+22	2,569535E+22	2,487503E+22	2,298790E+22	2,011498E+22	1,702617E+22	1,497410E+22	1,497399E+22	1,702579E+22	2,011445E+22
1747	2,298760E+22	2,487525E+22	2,569621E+22	2,569627E+22	2,487557E+22	2,298809E+22	2,011491E+22	1,702614E+22	1,497428E+22	1,497438E+22	1,702634E+22	2,011501E+22
1748	2,298786E+22	2,487502E+22	2,569549E+22	2,569495E+22	2,487410E+22	2,298718E+22	2,011462E+22	1,702624E+22	1,497451E+22	1,497449E+22	1,702622E+22	2,011464E+22
1749	2,298734E+22	2,487459E+22	2,569570E+22	2,569592E+22	2,487503E+22	2,298779E+22	2,011510E+22	1,702666E+22	1,497489E+22	1,497478E+22	1,702637E+22	2,011486E+22
1750	2,298790E+22	2,487530E+22	2,569624E+22	2,569636E+22	2,487521E+22	2,298743E+22	2,011457E+22	1,702645E+22	1,497517E+22	1,497544E+22	1,702714E+22	2,011531E+22
1751	2,298773E+22	2,487460E+22	2,569492E+22	2,569473E+22	2,487432E+22	2,298746E+22	2,011502E+22	1,702693E+22	1,497540E+22	1,497537E+22	1,702683E+22	2,011488E+22
1752	2,298730E+22	2,487459E+22	2,569579E+22	2,569604E+22	2,487541E+22	2,298835E+22	2,011561E+22	1,702725E+22	1,497566E+22	1,497560E+22	1,702707E+22	2,011531E+22

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	2,298796E+22	2,487510E+22	2,569593E+22	2,569568E+22	2,487443E+22	2,298718E+22	2,011496E+22	1,702718E+22	1,497592E+22	1,497595E+22	1,702728E+22	2,011519E+22
1754	2,298754E+22	2,487438E+22	2,569482E+22	2,569480E+22	2,487433E+22	2,298755E+22	2,011542E+22	1,702761E+22	1,497623E+22	1,497607E+22	1,702708E+22	2,011472E+22
1755	2,298714E+22	2,487469E+22	2,569603E+22	2,569618E+22	2,487536E+22	2,298807E+22	2,011544E+22	1,702746E+22	1,497622E+22	1,497630E+22	1,702760E+22	2,011540E+22
1756	2,298759E+22	2,487455E+22	2,569530E+22	2,569508E+22	2,487417E+22	2,298718E+22	2,011495E+22	1,702721E+22	1,497603E+22	1,497608E+22	1,702738E+22	2,011515E+22
1757	2,298723E+22	2,487399E+22	2,569487E+22	2,569532E+22	2,487485E+22	2,298787E+22	2,011548E+22	1,702742E+22	1,497590E+22	1,497575E+22	1,702704E+22	2,011516E+22
1758	2,298784E+22	2,487501E+22	2,569581E+22	2,569591E+22	2,487513E+22	2,298767E+22	2,011496E+22	1,702693E+22	1,497562E+22	1,497578E+22	1,702736E+22	2,011552E+22
1759	2,298796E+22	2,487479E+22	2,569504E+22	2,569448E+22	2,487385E+22	2,298723E+22	2,011501E+22	1,702695E+22	1,497533E+22	1,497518E+22	1,702659E+22	2,011473E+22
1760	2,298729E+22	2,487459E+22	2,569582E+22	2,569596E+22	2,487506E+22	2,298795E+22	2,011534E+22	1,702693E+22	1,497515E+22	1,497496E+22	1,702644E+22	2,011482E+22
1761	2,298779E+22	2,487529E+22	2,569634E+22	2,569624E+22	2,487487E+22	2,298708E+22	2,011438E+22	1,702633E+22	1,497491E+22	1,497502E+22	1,702665E+22	2,011485E+22
1762	2,298742E+22	2,487449E+22	2,569504E+22	2,569499E+22	2,487461E+22	2,298754E+22	2,011477E+22	1,702642E+22	1,497480E+22	1,497479E+22	1,702630E+22	2,011443E+22
1763	2,298700E+22	2,487446E+22	2,569587E+22	2,569622E+22	2,487567E+22	2,298840E+22	2,011522E+22	1,702645E+22	1,497468E+22	1,497475E+22	1,702657E+22	2,011511E+22
1764	2,298782E+22	2,487482E+22	2,569553E+22	2,569537E+22	2,487445E+22	2,298730E+22	2,011470E+22	1,702637E+22	1,497468E+22	1,497468E+22	1,702639E+22	2,011483E+22
1765	2,298748E+22	2,487435E+22	2,569490E+22	2,569509E+22	2,487460E+22	2,298763E+22	2,011517E+22	1,702687E+22	1,497504E+22	1,497476E+22	1,702621E+22	2,011462E+22
1766	2,298762E+22	2,487512E+22	2,569606E+22	2,569603E+22	2,487516E+22	2,298764E+22	2,011482E+22	1,702664E+22	1,497523E+22	1,497537E+22	1,702699E+22	2,011521E+22
1767	2,298777E+22	2,487487E+22	2,569543E+22	2,569485E+22	2,487390E+22	2,298701E+22	2,011474E+22	1,702680E+22	1,497538E+22	1,497542E+22	1,702686E+22	2,011481E+22
1768	2,298705E+22	2,487411E+22	2,569537E+22	2,569575E+22	2,487500E+22	2,298789E+22	2,011537E+22	1,702722E+22	1,497573E+22	1,497567E+22	1,702702E+22	2,011509E+22
1769	2,298770E+22	2,487495E+22	2,569595E+22	2,569603E+22	2,487498E+22	2,298739E+22	2,011481E+22	1,702701E+22	1,497592E+22	1,497616E+22	1,702760E+22	2,011550E+22
1770	2,298773E+22	2,487447E+22	2,569474E+22	2,569443E+22	2,487405E+22	2,298740E+22	2,011526E+22	1,702754E+22	1,497633E+22	1,497629E+22	1,702734E+22	2,011494E+22
1771	2,298710E+22	2,487423E+22	2,569541E+22	2,569560E+22	2,487504E+22	2,298821E+22	2,011588E+22	1,702798E+22	1,497669E+22	1,497657E+22	1,702765E+22	2,011541E+22
1772	2,298779E+22	2,487483E+22	2,569562E+22	2,569539E+22	2,487421E+22	2,298707E+22	2,011514E+22	1,702781E+22	1,497685E+22	1,497685E+22	1,702782E+22	2,011524E+22
1773	2,298721E+22	2,487399E+22	2,569466E+22	2,569475E+22	2,487419E+22	2,298739E+22	2,011551E+22	1,702816E+22	1,497709E+22	1,497690E+22	1,702770E+22	2,011508E+22
1774	2,298712E+22	2,487424E+22	2,569549E+22	2,569579E+22	2,487512E+22	2,298792E+22	2,011545E+22	1,702782E+22	1,497694E+22	1,497714E+22	1,702830E+22	2,011584E+22
1775	2,298779E+22	2,487445E+22	2,569499E+22	2,569463E+22	2,487375E+22	2,298708E+22	2,011524E+22	1,702773E+22	1,497666E+22	1,497672E+22	1,702784E+22	2,011536E+22
1776	2,298725E+22	2,487386E+22	2,569463E+22	2,569496E+22	2,487448E+22	2,298772E+22	2,011567E+22	1,702797E+22	1,497663E+22	1,497639E+22	1,702740E+22	2,011518E+22
1777	2,298773E+22	2,487505E+22	2,569591E+22	2,569575E+22	2,487478E+22	2,298737E+22	2,011493E+22	1,702731E+22	1,497627E+22	1,497638E+22	1,702763E+22	2,011543E+22
1778	2,298776E+22	2,487472E+22	2,569521E+22	2,569460E+22	2,487375E+22	2,298703E+22	2,011493E+22	1,702725E+22	1,497605E+22	1,497600E+22	1,702706E+22	2,011468E+22
1779	2,298685E+22	2,487399E+22	2,569542E+22	2,569586E+22	2,487510E+22	2,298801E+22	2,011549E+22	1,702738E+22	1,497589E+22	1,497577E+22	1,702703E+22	2,011503E+22
1780	2,298760E+22	2,487478E+22	2,569577E+22	2,569595E+22	2,487494E+22	2,298734E+22	2,011471E+22	1,702680E+22	1,497555E+22	1,497568E+22	1,702711E+22	2,011503E+22
1781	2,298729E+22	2,487412E+22	2,569465E+22	2,569466E+22	2,487435E+22	2,298756E+22	2,011516E+22	1,702711E+22	1,497558E+22	1,497543E+22	1,702676E+22	2,011479E+22
1782	2,298717E+22	2,487425E+22	2,569536E+22	2,569563E+22	2,487517E+22	2,298817E+22	2,011538E+22	1,702708E+22	1,497559E+22	1,497562E+22	1,702714E+22	2,011538E+22
1783	2,298798E+22	2,487492E+22	2,569545E+22	2,569493E+22	2,487383E+22	2,298698E+22	2,011490E+22	1,702701E+22	1,497560E+22	1,497558E+22	1,702693E+22	2,011489E+22
1784	2,298727E+22	2,487412E+22	2,569480E+22	2,569494E+22	2,487427E+22	2,298733E+22	2,011521E+22	1,702743E+22	1,497599E+22	1,497575E+22	1,702686E+22	2,011473E+22
1785	2,298736E+22	2,487488E+22	2,569601E+22	2,569599E+22	2,487502E+22	2,298740E+22	2,011470E+22	1,702697E+22	1,497598E+22	1,497621E+22	1,702761E+22	2,011546E+22
1786	2,298769E+22	2,487462E+22	2,569525E+22	2,569477E+22	2,487384E+22	2,298700E+22	2,011479E+22	1,702715E+22	1,497615E+22	1,497633E+22	1,702751E+22	2,011506E+22
1787	2,298693E+22	2,487366E+22	2,569482E+22	2,569531E+22	2,487478E+22	2,298799E+22	2,011577E+22	1,702790E+22	1,497659E+22	1,497648E+22	1,702757E+22	2,011534E+22
1788	2,298774E+22	2,487478E+22	2,569555E+22	2,569561E+22	2,487474E+22	2,298743E+22	2,011518E+22	1,702774E+22	1,497682E+22	1,497691E+22	1,702795E+22	2,011544E+22

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	2,298750E+22	2,487430E+22	2,569470E+22	2,569430E+22	2,487370E+22	2,298722E+22	2,011553E+22	1,702832E+22	1,497736E+22	1,497715E+22	1,702781E+22	2,011504E+22
1790	2,298690E+22	2,487385E+22	2,569505E+22	2,569535E+22	2,487472E+22	2,298792E+22	2,011590E+22	1,702855E+22	1,497770E+22	1,497765E+22	1,702837E+22	2,011560E+22
1791	2,298759E+22	2,487451E+22	2,569533E+22	2,569511E+22	2,487393E+22	2,298697E+22	2,011534E+22	1,702836E+22	1,497771E+22	1,497780E+22	1,702853E+22	2,011547E+22
1792	2,298697E+22	2,487349E+22	2,569419E+22	2,569444E+22	2,487401E+22	2,298739E+22	2,011572E+22	1,702867E+22	1,497787E+22	1,497773E+22	1,702834E+22	2,011538E+22
1793	2,298711E+22	2,487409E+22	2,569522E+22	2,569540E+22	2,487474E+22	2,298771E+22	2,011553E+22	1,702823E+22	1,497756E+22	1,497774E+22	1,702872E+22	2,011608E+22
1794	2,298793E+22	2,487452E+22	2,569495E+22	2,569445E+22	2,487347E+22	2,298690E+22	2,011526E+22	1,702812E+22	1,497738E+22	1,497745E+22	1,702823E+22	2,011540E+22
1795	2,298713E+22	2,487369E+22	2,569446E+22	2,569473E+22	2,487420E+22	2,298761E+22	2,011585E+22	1,702846E+22	1,497737E+22	1,497712E+22	1,702783E+22	2,011522E+22
1796	2,298755E+22	2,487483E+22	2,569574E+22	2,569570E+22	2,487474E+22	2,298735E+22	2,011507E+22	1,702775E+22	1,497695E+22	1,497704E+22	1,702801E+22	2,011539E+22
1797	2,298739E+22	2,487435E+22	2,569508E+22	2,569470E+22	2,487380E+22	2,298707E+22	2,011510E+22	1,702772E+22	1,497675E+22	1,497667E+22	1,702758E+22	2,011498E+22
1798	2,298679E+22	2,487351E+22	2,569477E+22	2,569540E+22	2,487488E+22	2,298800E+22	2,011566E+22	1,702781E+22	1,497661E+22	1,497656E+22	1,702764E+22	2,011536E+22
1799	2,298770E+22	2,487461E+22	2,569534E+22	2,569537E+22	2,487441E+22	2,298728E+22	2,011513E+22	1,702745E+22	1,497630E+22	1,497637E+22	1,702757E+22	2,011520E+22
1800	2,298726E+22	2,487396E+22	2,569436E+22	2,569426E+22	2,487386E+22	2,298729E+22	2,011533E+22	1,702774E+22	1,497645E+22	1,497622E+22	1,702720E+22	2,011481E+22
1801	2,298706E+22	2,487428E+22	2,569538E+22	2,569534E+22	2,487459E+22	2,298766E+22	2,011526E+22	1,702749E+22	1,497637E+22	1,497641E+22	1,702759E+22	2,011541E+22
1802	2,298783E+22	2,487485E+22	2,569554E+22	2,569501E+22	2,487365E+22	2,298668E+22	2,011474E+22	1,702733E+22	1,497642E+22	1,497655E+22	1,702756E+22	2,011498E+22
1803	2,298693E+22	2,487364E+22	2,569444E+22	2,569483E+22	2,487426E+22	2,298736E+22	2,011533E+22	1,702786E+22	1,497677E+22	1,497664E+22	1,702754E+22	2,011501E+22
1804	2,298723E+22	2,487447E+22	2,569554E+22	2,569577E+22	2,487506E+22	2,298762E+22	2,011505E+22	1,702752E+22	1,497672E+22	1,497694E+22	1,702808E+22	2,011560E+22
1805	2,298756E+22	2,487432E+22	2,569498E+22	2,569462E+22	2,487371E+22	2,298708E+22	2,011523E+22	1,702792E+22	1,497705E+22	1,497706E+22	1,702798E+22	2,011531E+22
1806	2,298696E+22	2,487339E+22	2,569430E+22	2,569479E+22	2,487439E+22	2,298786E+22	2,011605E+22	1,702866E+22	1,497766E+22	1,497748E+22	1,702816E+22	2,011546E+22
1807	2,298764E+22	2,487467E+22	2,569539E+22	2,569523E+22	2,487420E+22	2,298726E+22	2,011557E+22	1,702854E+22	1,497789E+22	1,497794E+22	1,702858E+22	2,011549E+22
1808	2,298714E+22	2,487387E+22	2,569444E+22	2,569414E+22	2,487340E+22	2,298696E+22	2,011566E+22	1,702898E+22	1,497841E+22	1,497824E+22	1,702858E+22	2,011522E+22
1809	2,298664E+22	2,487352E+22	2,569475E+22	2,569507E+22	2,487443E+22	2,298766E+22	2,011583E+22	1,702891E+22	1,497848E+22	1,497857E+22	1,702911E+22	2,011600E+22
1810	2,298763E+22	2,487430E+22	2,569502E+22	2,569485E+22	2,487373E+22	2,298688E+22	2,011535E+22	1,702866E+22	1,497841E+22	1,497866E+22	1,702919E+22	2,011583E+22
1811	2,298704E+22	2,487325E+22	2,569371E+22	2,569395E+22	2,487368E+22	2,298734E+22	2,011597E+22	1,702918E+22	1,497855E+22	1,497839E+22	1,702882E+22	2,011565E+22
1812	2,298728E+22	2,487413E+22	2,569503E+22	2,569514E+22	2,487447E+22	2,298760E+22	2,011572E+22	1,702874E+22	1,497822E+22	1,497828E+22	1,702892E+22	2,011599E+22
1813	2,298777E+22	2,487450E+22	2,569510E+22	2,569457E+22	2,487329E+22	2,298672E+22	2,011541E+22	1,702865E+22	1,497810E+22	1,497804E+22	1,702855E+22	2,011542E+22
1814	2,298689E+22	2,487337E+22	2,569420E+22	2,569465E+22	2,487410E+22	2,298748E+22	2,011591E+22	1,702891E+22	1,497814E+22	1,497794E+22	1,702836E+22	2,011528E+22
1815	2,298726E+22	2,487450E+22	2,569548E+22	2,569550E+22	2,487459E+22	2,298745E+22	2,011540E+22	1,702823E+22	1,497763E+22	1,497777E+22	1,702851E+22	2,011548E+22
1816	2,298705E+22	2,487379E+22	2,569455E+22	2,569437E+22	2,487362E+22	2,298712E+22	2,011543E+22	1,702830E+22	1,497750E+22	1,497742E+22	1,702810E+22	2,011514E+22
1817	2,298671E+22	2,487332E+22	2,569434E+22	2,569486E+22	2,487441E+22	2,298778E+22	2,011578E+22	1,702829E+22	1,497731E+22	1,497723E+22	1,702809E+22	2,011557E+22
1818	2,298777E+22	2,487462E+22	2,569517E+22	2,569504E+22	2,487398E+22	2,298697E+22	2,011510E+22	1,702789E+22	1,497714E+22	1,497723E+22	1,702808E+22	2,011529E+22
1819	2,298713E+22	2,487378E+22	2,569414E+22	2,569397E+22	2,487347E+22	2,298702E+22	2,011541E+22	1,702823E+22	1,497728E+22	1,497708E+22	1,702779E+22	2,011499E+22
1820	2,298693E+22	2,487408E+22	2,569525E+22	2,569536E+22	2,487449E+22	2,298745E+22	2,011527E+22	1,702790E+22	1,497711E+22	1,497719E+22	1,702812E+22	2,011552E+22
1821	2,298757E+22	2,487453E+22	2,569542E+22	2,569515E+22	2,487374E+22	2,298671E+22	2,011488E+22	1,702776E+22	1,497713E+22	1,497729E+22	1,702819E+22	2,011536E+22
1822	2,298691E+22	2,487324E+22	2,569387E+22	2,569443E+22	2,487410E+22	2,298744E+22	2,011563E+22	1,702840E+22	1,497756E+22	1,497749E+22	1,702818E+22	2,011531E+22
1823	2,298728E+22	2,487435E+22	2,569518E+22	2,569525E+22	2,487460E+22	2,298768E+22	2,011561E+22	1,702831E+22	1,497762E+22	1,497774E+22	1,702854E+22	2,011567E+22
1824	2,298739E+22	2,487409E+22	2,569469E+22	2,569429E+22	2,487334E+22	2,298693E+22	2,011557E+22	1,702876E+22	1,497816E+22	1,497804E+22	1,702848E+22	2,011527E+22

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	2,298673E+22	2,487329E+22	2,569414E+22	2,569446E+22	2,487390E+22	2,298747E+22	2,011607E+22	1,702925E+22	1,497866E+22	1,497849E+22	1,702879E+22	2,011556E+22
1826	2,298738E+22	2,487439E+22	2,569523E+22	2,569516E+22	2,487401E+22	2,298698E+22	2,011549E+22	1,702900E+22	1,497887E+22	1,497905E+22	1,702936E+22	2,011572E+22
1827	2,298685E+22	2,487333E+22	2,569393E+22	2,569384E+22	2,487326E+22	2,298694E+22	2,011582E+22	1,702945E+22	1,497921E+22	1,497917E+22	1,702936E+22	2,011565E+22
1828	2,298666E+22	2,487318E+22	2,569428E+22	2,569473E+22	2,487422E+22	2,298763E+22	2,011608E+22	1,702941E+22	1,497915E+22	1,497923E+22	1,702960E+22	2,011625E+22
1829	2,298768E+22	2,487423E+22	2,569486E+22	2,569469E+22	2,487355E+22	2,298683E+22	2,011562E+22	1,702925E+22	1,497912E+22	1,497925E+22	1,702961E+22	2,011611E+22
1830	2,298716E+22	2,487323E+22	2,569345E+22	2,569356E+22	2,487331E+22	2,298715E+22	2,011611E+22	1,702972E+22	1,497936E+22	1,497916E+22	1,702924E+22	2,011569E+22
1831	2,298718E+22	2,487413E+22	2,569505E+22	2,569493E+22	2,487407E+22	2,298747E+22	2,011603E+22	1,702935E+22	1,497902E+22	1,497902E+22	1,702931E+22	2,011589E+22
1832	2,298734E+22	2,487409E+22	2,569494E+22	2,569465E+22	2,487329E+22	2,298659E+22	2,011553E+22	1,702918E+22	1,497892E+22	1,497886E+22	1,702905E+22	2,011541E+22
1833	2,298655E+22	2,487301E+22	2,569382E+22	2,569436E+22	2,487393E+22	2,298735E+22	2,011591E+22	1,702921E+22	1,497877E+22	1,497867E+22	1,702893E+22	2,011553E+22
1834	2,298713E+22	2,487414E+22	2,569506E+22	2,569516E+22	2,487439E+22	2,298739E+22	2,011551E+22	1,702862E+22	1,497830E+22	1,497851E+22	1,702906E+22	2,011572E+22
1835	2,298700E+22	2,487349E+22	2,569402E+22	2,569381E+22	2,487321E+22	2,298698E+22	2,011567E+22	1,702883E+22	1,497821E+22	1,497810E+22	1,702859E+22	2,011539E+22
1836	2,298678E+22	2,487327E+22	2,569413E+22	2,569453E+22	2,487399E+22	2,298746E+22	2,011586E+22	1,702878E+22	1,497803E+22	1,497789E+22	1,702842E+22	2,011556E+22
1837	2,298761E+22	2,487458E+22	2,569527E+22	2,569509E+22	2,487379E+22	2,298670E+22	2,011512E+22	1,702834E+22	1,497785E+22	1,497795E+22	1,702859E+22	2,011548E+22
1838	2,298696E+22	2,487348E+22	2,569386E+22	2,569383E+22	2,487337E+22	2,298687E+22	2,011541E+22	1,702862E+22	1,497804E+22	1,497796E+22	1,702844E+22	2,011521E+22
1839	2,298678E+22	2,487381E+22	2,569500E+22	2,569514E+22	2,487436E+22	2,298758E+22	2,011565E+22	1,702842E+22	1,497783E+22	1,497794E+22	1,702867E+22	2,011570E+22
1840	2,298735E+22	2,487408E+22	2,569499E+22	2,569493E+22	2,487367E+22	2,298680E+22	2,011530E+22	1,702847E+22	1,497800E+22	1,497810E+22	1,702869E+22	2,011549E+22
1841	2,298684E+22	2,487313E+22	2,569351E+22	2,569392E+22	2,487369E+22	2,298729E+22	2,011589E+22	1,702907E+22	1,497848E+22	1,497833E+22	1,702870E+22	2,011546E+22
1842	2,298720E+22	2,487425E+22	2,569502E+22	2,569494E+22	2,487423E+22	2,298745E+22	2,011576E+22	1,702899E+22	1,497870E+22	1,497878E+22	1,702914E+22	2,011572E+22
1843	2,298711E+22	2,487376E+22	2,569437E+22	2,569394E+22	2,487296E+22	2,298670E+22	2,011578E+22	1,702946E+22	1,497921E+22	1,497913E+22	1,702925E+22	2,011552E+22
1844	2,298654E+22	2,487293E+22	2,569386E+22	2,569432E+22	2,487372E+22	2,298722E+22	2,011611E+22	1,702977E+22	1,497956E+22	1,497945E+22	1,702949E+22	2,011583E+22
1845	2,298721E+22	2,487403E+22	2,569495E+22	2,569505E+22	2,487395E+22	2,298693E+22	2,011560E+22	1,702945E+22	1,497961E+22	1,497987E+22	1,703010E+22	2,011625E+22
1846	2,298695E+22	2,487303E+22	2,569338E+22	2,569332E+22	2,487295E+22	2,298688E+22	2,011604E+22	1,702996E+22	1,497996E+22	1,497997E+22	1,702998E+22	2,011603E+22
1847	2,298686E+22	2,487325E+22	2,569413E+22	2,569429E+22	2,487373E+22	2,298751E+22	2,011645E+22	1,703004E+22	1,497991E+22	1,497988E+22	1,702993E+22	2,011626E+22
1848	2,298754E+22	2,487411E+22	2,569479E+22	2,569455E+22	2,487329E+22	2,298663E+22	2,011582E+22	1,702989E+22	1,498000E+22	1,498001E+22	1,702992E+22	2,011592E+22
1849	2,298688E+22	2,487319E+22	2,569345E+22	2,569343E+22	2,487305E+22	2,298686E+22	2,011609E+22	1,703014E+22	1,498012E+22	1,497994E+22	1,702969E+22	2,011565E+22
1850	2,298679E+22	2,487378E+22	2,569493E+22	2,569495E+22	2,487409E+22	2,298735E+22	2,011599E+22	1,702972E+22	1,497980E+22	1,497986E+22	1,702986E+22	2,011596E+22
1851	2,298693E+22	2,487345E+22	2,569437E+22	2,569432E+22	2,487326E+22	2,298672E+22	2,011580E+22	1,702965E+22	1,497961E+22	1,497961E+22	1,702965E+22	2,011573E+22
1852	2,298647E+22	2,487256E+22	2,569329E+22	2,569396E+22	2,487371E+22	2,298730E+22	2,011617E+22	1,702971E+22	1,497939E+22	1,497924E+22	1,702934E+22	2,011574E+22
1853	2,298713E+22	2,487395E+22	2,569476E+22	2,569484E+22	2,487413E+22	2,298727E+22	2,011572E+22	1,702916E+22	1,497896E+22	1,497910E+22	1,702953E+22	2,011604E+22
1854	2,298708E+22	2,487339E+22	2,569372E+22	2,569331E+22	2,487274E+22	2,298672E+22	2,011577E+22	1,702933E+22	1,497899E+22	1,497889E+22	1,702912E+22	2,011557E+22
1855	2,298676E+22	2,487330E+22	2,569418E+22	2,569429E+22	2,487353E+22	2,298719E+22	2,011603E+22	1,702929E+22	1,497879E+22	1,497866E+22	1,702892E+22	2,011563E+22
1856	2,298732E+22	2,487425E+22	2,569515E+22	2,569514E+22	2,487380E+22	2,298658E+22	2,011519E+22	1,702881E+22	1,497866E+22	1,497879E+22	1,702914E+22	2,011560E+22
1857	2,298682E+22	2,487329E+22	2,569358E+22	2,569355E+22	2,487324E+22	2,298680E+22	2,011546E+22	1,702896E+22	1,497870E+22	1,497871E+22	1,702903E+22	2,011551E+22
1858	2,298675E+22	2,487358E+22	2,569468E+22	2,569484E+22	2,487420E+22	2,298756E+22	2,011587E+22	1,702899E+22	1,497864E+22	1,497871E+22	1,702915E+22	2,011587E+22
1859	2,298726E+22	2,487382E+22	2,569458E+22	2,569446E+22	2,487336E+22	2,298674E+22	2,011567E+22	1,702923E+22	1,497893E+22	1,497893E+22	1,702919E+22	2,011563E+22
1860	2,298675E+22	2,487294E+22	2,569334E+22	2,569363E+22	2,487328E+22	2,298700E+22	2,011607E+22	1,702977E+22	1,497945E+22	1,497922E+22	1,702916E+22	2,011544E+22

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	2,298689E+22	2,487396E+22	2,569496E+22	2,569494E+22	2,487408E+22	2,298725E+22	2,011587E+22	1,702959E+22	1,497962E+22	1,497975E+22	1,702987E+22	2,011599E+22
1862	2,298685E+22	2,487330E+22	2,569395E+22	2,569363E+22	2,487278E+22	2,298654E+22	2,011583E+22	1,702997E+22	1,498015E+22	1,498019E+22	1,703007E+22	2,011588E+22
1863	2,298644E+22	2,487261E+22	2,569351E+22	2,569388E+22	2,487339E+22	2,298722E+22	2,011644E+22	1,703035E+22	1,498038E+22	1,498031E+22	1,703014E+22	2,011613E+22
1864	2,298713E+22	2,487367E+22	2,569456E+22	2,569475E+22	2,487377E+22	2,298690E+22	2,011592E+22	1,703012E+22	1,498048E+22	1,498067E+22	1,703058E+22	2,011640E+22
1865	2,298703E+22	2,487308E+22	2,569316E+22	2,569286E+22	2,487253E+22	2,298662E+22	2,011614E+22	1,703049E+22	1,498076E+22	1,498072E+22	1,703043E+22	2,011615E+22
1866	2,298682E+22	2,487324E+22	2,569413E+22	2,569413E+22	2,487345E+22	2,298726E+22	2,011652E+22	1,703061E+22	1,498081E+22	1,498071E+22	1,703037E+22	2,011623E+22
1867	2,298722E+22	2,487379E+22	2,569461E+22	2,569442E+22	2,487315E+22	2,298650E+22	2,011598E+22	1,703046E+22	1,498084E+22	1,498086E+22	1,703049E+22	2,011603E+22
1868	2,298655E+22	2,487270E+22	2,569321E+22	2,569340E+22	2,487303E+22	2,298676E+22	2,011615E+22	1,703055E+22	1,498083E+22	1,498068E+22	1,703022E+22	2,011581E+22
1869	2,298652E+22	2,487326E+22	2,569453E+22	2,569478E+22	2,487413E+22	2,298749E+22	2,011621E+22	1,703011E+22	1,498036E+22	1,498051E+22	1,703048E+22	2,011637E+22
1870	2,298694E+22	2,487307E+22	2,569373E+22	2,569365E+22	2,487287E+22	2,298668E+22	2,011606E+22	1,703018E+22	1,498029E+22	1,498030E+22	1,703018E+22	2,011606E+22
1871	2,298665E+22	2,487260E+22	2,569308E+22	2,569335E+22	2,487309E+22	2,298710E+22	2,011645E+22	1,703032E+22	1,498012E+22	1,497986E+22	1,702967E+22	2,011581E+22
1872	2,298707E+22	2,487386E+22	2,569470E+22	2,569464E+22	2,487378E+22	2,298696E+22	2,011580E+22	1,702972E+22	1,497980E+22	1,497985E+22	1,702986E+22	2,011597E+22
1873	2,298696E+22	2,487341E+22	2,569376E+22	2,569319E+22	2,487245E+22	2,298634E+22	2,011562E+22	1,702964E+22	1,497967E+22	1,497966E+22	1,702963E+22	2,011568E+22
1874	2,298655E+22	2,487307E+22	2,569416E+22	2,569436E+22	2,487356E+22	2,298705E+22	2,011594E+22	1,702962E+22	1,497951E+22	1,497943E+22	1,702946E+22	2,011576E+22
1875	2,298705E+22	2,487377E+22	2,569472E+22	2,569487E+22	2,487381E+22	2,298674E+22	2,011550E+22	1,702933E+22	1,497937E+22	1,497952E+22	1,702970E+22	2,011587E+22
1876	2,298675E+22	2,487293E+22	2,569326E+22	2,569330E+22	2,487309E+22	2,298681E+22	2,011578E+22	1,702959E+22	1,497947E+22	1,497939E+22	1,702942E+22	2,011562E+22
1877	2,298666E+22	2,487334E+22	2,569443E+22	2,569458E+22	2,487401E+22	2,298753E+22	2,011617E+22	1,702968E+22	1,497950E+22	1,497951E+22	1,702968E+22	2,011604E+22
1878	2,298712E+22	2,487354E+22	2,569422E+22	2,569396E+22	2,487292E+22	2,298656E+22	2,011591E+22	1,702997E+22	1,498000E+22	1,497997E+22	1,702987E+22	2,011581E+22
1879	2,298659E+22	2,487275E+22	2,569324E+22	2,569331E+22	2,487283E+22	2,298675E+22	2,011628E+22	1,703044E+22	1,498045E+22	1,498023E+22	1,702985E+22	2,011562E+22
1880	2,298658E+22	2,487343E+22	2,569459E+22	2,569476E+22	2,487397E+22	2,298711E+22	2,011596E+22	1,703017E+22	1,498061E+22	1,498078E+22	1,703058E+22	2,011626E+22
1881	2,298683E+22	2,487306E+22	2,569352E+22	2,569317E+22	2,487247E+22	2,298640E+22	2,011589E+22	1,703036E+22	1,498089E+22	1,498106E+22	1,703079E+22	2,011631E+22
1882	2,298658E+22	2,487251E+22	2,569325E+22	2,569353E+22	2,487307E+22	2,298701E+22	2,011653E+22	1,703089E+22	1,498121E+22	1,498108E+22	1,703064E+22	2,011633E+22
1883	2,298714E+22	2,487355E+22	2,569429E+22	2,569433E+22	2,487344E+22	2,298678E+22	2,011618E+22	1,703079E+22	1,498136E+22	1,498145E+22	1,703101E+22	2,011649E+22
1884	2,298692E+22	2,487295E+22	2,569321E+22	2,569283E+22	2,487227E+22	2,298637E+22	2,011623E+22	1,703104E+22	1,498159E+22	1,498146E+22	1,703077E+22	2,011605E+22
1885	2,298646E+22	2,487291E+22	2,569409E+22	2,569426E+22	2,487350E+22	2,298721E+22	2,011662E+22	1,703108E+22	1,498154E+22	1,498149E+22	1,703094E+22	2,011634E+22
1886	2,298685E+22	2,487323E+22	2,569414E+22	2,569413E+22	2,487310E+22	2,298658E+22	2,011618E+22	1,703096E+22	1,498162E+22	1,498171E+22	1,703114E+22	2,011630E+22
1887	2,298641E+22	2,487231E+22	2,569279E+22	2,569290E+22	2,487271E+22	2,298688E+22	2,011655E+22	1,703112E+22	1,498153E+22	1,498138E+22	1,703072E+22	2,011603E+22
1888	2,298643E+22	2,487285E+22	2,569403E+22	2,569435E+22	2,487385E+22	2,298745E+22	2,011652E+22	1,703076E+22	1,498117E+22	1,498122E+22	1,703085E+22	2,011650E+22
1889	2,298708E+22	2,487313E+22	2,569347E+22	2,569310E+22	2,487232E+22	2,298635E+22	2,011607E+22	1,703062E+22	1,498102E+22	1,498102E+22	1,703063E+22	2,011623E+22
1890	2,298671E+22	2,487266E+22	2,569312E+22	2,569319E+22	2,487268E+22	2,298666E+22	2,011633E+22	1,703076E+22	1,498093E+22	1,498063E+22	1,703012E+22	2,011586E+22
1891	2,298688E+22	2,487365E+22	2,569461E+22	2,569458E+22	2,487362E+22	2,298673E+22	2,011580E+22	1,703016E+22	1,498055E+22	1,498065E+22	1,703043E+22	2,011615E+22
1892	2,298676E+22	2,487304E+22	2,569366E+22	2,569328E+22	2,487245E+22	2,298623E+22	2,011558E+22	1,702993E+22	1,498027E+22	1,498032E+22	1,703011E+22	2,011586E+22
1893	2,298640E+22	2,487268E+22	2,569387E+22	2,569429E+22	2,487367E+22	2,298725E+22	2,011620E+22	1,703001E+22	1,498004E+22	1,498005E+22	1,703001E+22	2,011606E+22
1894	2,298703E+22	2,487345E+22	2,569422E+22	2,569435E+22	2,487352E+22	2,298681E+22	2,011586E+22	1,702996E+22	1,498015E+22	1,498025E+22	1,703016E+22	2,011605E+22
1895	2,298676E+22	2,487285E+22	2,569305E+22	2,569277E+22	2,487255E+22	2,298671E+22	2,011615E+22	1,703034E+22	1,498042E+22	1,498021E+22	1,702983E+22	2,011560E+22
1896	2,298640E+22	2,487300E+22	2,569420E+22	2,569435E+22	2,487373E+22	2,298735E+22	2,011638E+22	1,703042E+22	1,498059E+22	1,498052E+22	1,703018E+22	2,011600E+22

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	2,298690E+22	2,487331E+22	2,569396E+22	2,569367E+22	2,487256E+22	2,298623E+22	2,011584E+22	1,703044E+22	1,498094E+22	1,498103E+22	1,703064E+22	2,011608E+22
1898	2,298641E+22	2,487238E+22	2,569297E+22	2,569315E+22	2,487265E+22	2,298653E+22	2,011625E+22	1,703093E+22	1,498137E+22	1,498120E+22	1,703058E+22	2,011596E+22
1899	2,298648E+22	2,487300E+22	2,569408E+22	2,569433E+22	2,487373E+22	2,298711E+22	2,011624E+22	1,703076E+22	1,498144E+22	1,498164E+22	1,703125E+22	2,011665E+22
1900	2,298689E+22	2,487281E+22	2,569328E+22	2,569293E+22	2,487216E+22	2,298624E+22	2,011608E+22	1,703094E+22	1,498168E+22	1,498178E+22	1,703122E+22	2,011647E+22
1901	2,298660E+22	2,487245E+22	2,569316E+22	2,569337E+22	2,487291E+22	2,298698E+22	2,011676E+22	1,703145E+22	1,498198E+22	1,498186E+22	1,703114E+22	2,011644E+22
1902	2,298699E+22	2,487338E+22	2,569410E+22	2,569400E+22	2,487310E+22	2,298669E+22	2,011642E+22	1,703145E+22	1,498232E+22	1,498238E+22	1,703158E+22	2,011656E+22
1903	2,298669E+22	2,487272E+22	2,569313E+22	2,569267E+22	2,487203E+22	2,298632E+22	2,011646E+22	1,703166E+22	1,498251E+22	1,498236E+22	1,703133E+22	2,011613E+22
1904	2,298610E+22	2,487231E+22	2,569364E+22	2,569413E+22	2,487353E+22	2,298728E+22	2,011683E+22	1,703165E+22	1,498243E+22	1,498238E+22	1,703148E+22	2,011651E+22
1905	2,298679E+22	2,487291E+22	2,569359E+22	2,569360E+22	2,487275E+22	2,298650E+22	2,011634E+22	1,703138E+22	1,498231E+22	1,498248E+22	1,703175E+22	2,011666E+22
1906	2,298653E+22	2,487220E+22	2,569250E+22	2,569248E+22	2,487223E+22	2,298657E+22	2,011664E+22	1,703166E+22	1,498229E+22	1,498204E+22	1,703115E+22	2,011621E+22
1907	2,298646E+22	2,487277E+22	2,569376E+22	2,569388E+22	2,487333E+22	2,298718E+22	2,011665E+22	1,703131E+22	1,498195E+22	1,498194E+22	1,703128E+22	2,011659E+22
1908	2,298699E+22	2,487305E+22	2,569358E+22	2,569316E+22	2,487202E+22	2,298598E+22	2,011597E+22	1,703095E+22	1,498168E+22	1,498169E+22	1,703101E+22	2,011621E+22
1909	2,298649E+22	2,487247E+22	2,569316E+22	2,569339E+22	2,487278E+22	2,298658E+22	2,011625E+22	1,703096E+22	1,498145E+22	1,498131E+22	1,703067E+22	2,011600E+22
1910	2,298661E+22	2,487320E+22	2,569421E+22	2,569435E+22	2,487360E+22	2,298688E+22	2,011599E+22	1,703055E+22	1,498119E+22	1,498136E+22	1,703098E+22	2,011639E+22
1911	2,298668E+22	2,487274E+22	2,569333E+22	2,569296E+22	2,487228E+22	2,298644E+22	2,011600E+22	1,703049E+22	1,498094E+22	1,498093E+22	1,703049E+22	2,011597E+22
1912	2,298626E+22	2,487227E+22	2,569337E+22	2,569393E+22	2,487348E+22	2,298732E+22	2,011660E+22	1,703075E+22	1,498094E+22	1,498079E+22	1,703031E+22	2,011604E+22
1913	2,298700E+22	2,487336E+22	2,569388E+22	2,569381E+22	2,487300E+22	2,298660E+22	2,011604E+22	1,703058E+22	1,498108E+22	1,498115E+22	1,703072E+22	2,011617E+22
1914	2,298665E+22	2,487272E+22	2,569297E+22	2,569256E+22	2,487206E+22	2,298628E+22	2,011618E+22	1,703099E+22	1,498145E+22	1,498120E+22	1,703046E+22	2,011572E+22
1915	2,298614E+22	2,487261E+22	2,569384E+22	2,569408E+22	2,487342E+22	2,298711E+22	2,011645E+22	1,703100E+22	1,498157E+22	1,498157E+22	1,703097E+22	2,011632E+22
1916	2,298674E+22	2,487288E+22	2,569369E+22	2,569356E+22	2,487240E+22	2,298606E+22	2,011582E+22	1,703080E+22	1,498171E+22	1,498191E+22	1,703133E+22	2,011644E+22
1917	2,298645E+22	2,487213E+22	2,569263E+22	2,569292E+22	2,487255E+22	2,298657E+22	2,011641E+22	1,703131E+22	1,498200E+22	1,498196E+22	1,703126E+22	2,011634E+22
1918	2,298659E+22	2,487286E+22	2,569369E+22	2,569382E+22	2,487330E+22	2,298704E+22	2,011656E+22	1,703145E+22	1,498231E+22	1,498244E+22	1,703175E+22	2,011685E+22
1919	2,298696E+22	2,487288E+22	2,569326E+22	2,569264E+22	2,487174E+22	2,298613E+22	2,011638E+22	1,703166E+22	1,498263E+22	1,498259E+22	1,703158E+22	2,011637E+22
1920	2,298630E+22	2,487218E+22	2,569307E+22	2,569338E+22	2,487280E+22	2,298690E+22	2,011699E+22	1,703216E+22	1,498302E+22	1,498280E+22	1,703155E+22	2,011630E+22
1921	2,298667E+22	2,487308E+22	2,569386E+22	2,569383E+22	2,487293E+22	2,298656E+22	2,011649E+22	1,703193E+22	1,498320E+22	1,498335E+22	1,703227E+22	2,011674E+22
1922	2,298642E+22	2,487227E+22	2,569277E+22	2,569249E+22	2,487188E+22	2,298623E+22	2,011661E+22	1,703222E+22	1,498336E+22	1,498323E+22	1,703198E+22	2,011639E+22
1923	2,298595E+22	2,487181E+22	2,569299E+22	2,569362E+22	2,487324E+22	2,298730E+22	2,011717E+22	1,703227E+22	1,498323E+22	1,498318E+22	1,703209E+22	2,011683E+22
1924	2,298680E+22	2,487265E+22	2,569327E+22	2,569327E+22	2,487233E+22	2,298623E+22	2,011642E+22	1,703186E+22	1,498302E+22	1,498315E+22	1,703217E+22	2,011684E+22
1925	2,298658E+22	2,487218E+22	2,569239E+22	2,569229E+22	2,487196E+22	2,298638E+22	2,011668E+22	1,703201E+22	1,498290E+22	1,498274E+22	1,703167E+22	2,011636E+22
1926	2,298639E+22	2,487268E+22	2,569365E+22	2,569364E+22	2,487294E+22	2,298692E+22	2,011670E+22	1,703174E+22	1,498267E+22	1,498270E+22	1,703180E+22	2,011673E+22
1927	2,298685E+22	2,487289E+22	2,569353E+22	2,569310E+22	2,487189E+22	2,298590E+22	2,011603E+22	1,703132E+22	1,498233E+22	1,498237E+22	1,703146E+22	2,011629E+22
1928	2,298622E+22	2,487202E+22	2,569280E+22	2,569334E+22	2,487292E+22	2,298677E+22	2,011648E+22	1,703138E+22	1,498210E+22	1,498197E+22	1,703105E+22	2,011611E+22
1929	2,298660E+22	2,487298E+22	2,569373E+22	2,569387E+22	2,487331E+22	2,298690E+22	2,011624E+22	1,703098E+22	1,498181E+22	1,498200E+22	1,703144E+22	2,011660E+22
1930	2,298672E+22	2,487265E+22	2,569307E+22	2,569261E+22	2,487185E+22	2,298619E+22	2,011623E+22	1,703118E+22	1,498180E+22	1,498162E+22	1,703086E+22	2,011602E+22
1931	2,298615E+22	2,487208E+22	2,569302E+22	2,569350E+22	2,487301E+22	2,298709E+22	2,011683E+22	1,703146E+22	1,498192E+22	1,498168E+22	1,703082E+22	2,011606E+22
1932	2,298669E+22	2,487306E+22	2,569382E+22	2,569377E+22	2,487264E+22	2,298621E+22	2,011601E+22	1,703106E+22	1,498195E+22	1,498206E+22	1,703130E+22	2,011625E+22

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°
1933	2,298638E+22	2,487239E+22	2,569279E+22	2,569258E+22	2,487204E+22	2,298617E+22	2,011616E+22	1,703131E+22	1,498217E+22	1,498214E+22	1,703126E+22	2,011602E+22
1934	2,298595E+22	2,487220E+22	2,569336E+22	2,569367E+22	2,487314E+22	2,298710E+22	2,011667E+22	1,703151E+22	1,498239E+22	1,498249E+22	1,703171E+22	2,011672E+22
1935	2,298679E+22	2,487269E+22	2,569334E+22	2,569316E+22	2,487213E+22	2,298612E+22	2,011616E+22	1,703142E+22	1,498252E+22	1,498269E+22	1,703184E+22	2,011665E+22
1936	2,298645E+22	2,487194E+22	2,569231E+22	2,569265E+22	2,487239E+22	2,298659E+22	2,011676E+22	1,703205E+22	1,498297E+22	1,498279E+22	1,703162E+22	2,011638E+22
1937	2,298662E+22	2,487286E+22	2,569349E+22	2,569343E+22	2,487286E+22	2,298685E+22	2,011676E+22	1,703208E+22	1,498329E+22	1,498339E+22	1,703232E+22	2,011694E+22
1938	2,298679E+22	2,487275E+22	2,569327E+22	2,569265E+22	2,487145E+22	2,298580E+22	2,011652E+22	1,703238E+22	1,498367E+22	1,498357E+22	1,703219E+22	2,011644E+22
1939	2,298594E+22	2,487169E+22	2,569265E+22	2,569317E+22	2,487267E+22	2,298682E+22	2,011717E+22	1,703279E+22	1,498401E+22	1,498384E+22	1,703231E+22	2,011653E+22
1940	2,298632E+22	2,487251E+22	2,569348E+22	2,569368E+22	2,487280E+22	2,298652E+22	2,011661E+22	1,703233E+22	1,498393E+22	1,498419E+22	1,703293E+22	2,011708E+22
1941	2,298641E+22	2,487198E+22	2,569234E+22	2,569215E+22	2,487169E+22	2,298622E+22	2,011679E+22	1,703257E+22	1,498394E+22	1,498395E+22	1,703261E+22	2,011673E+22
1942	2,298603E+22	2,487167E+22	2,569253E+22	2,569294E+22	2,487263E+22	2,298707E+22	2,011740E+22	1,703287E+22	1,498402E+22	1,498390E+22	1,703255E+22	2,011704E+22
1943	2,298689E+22	2,487273E+22	2,569319E+22	2,569294E+22	2,487192E+22	2,298601E+22	2,011652E+22	1,703235E+22	1,498376E+22	1,498381E+22	1,703250E+22	2,011679E+22
1944	2,298638E+22	2,487202E+22	2,569234E+22	2,569232E+22	2,487189E+22	2,298622E+22	2,011672E+22	1,703243E+22	1,498363E+22	1,498343E+22	1,703198E+22	2,011631E+22
1945	2,298620E+22	2,487248E+22	2,569346E+22	2,569351E+22	2,487281E+22	2,298679E+22	2,011671E+22	1,703203E+22	1,498328E+22	1,498341E+22	1,703234E+22	2,011691E+22
1946	2,298667E+22	2,487259E+22	2,569332E+22	2,569305E+22	2,487181E+22	2,298584E+22	2,011622E+22	1,703179E+22	1,498296E+22	1,498298E+22	1,703189E+22	2,011643E+22
1947	2,298606E+22	2,487163E+22	2,569226E+22	2,569293E+22	2,487271E+22	2,298685E+22	2,011688E+22	1,703201E+22	1,498285E+22	1,498266E+22	1,703149E+22	2,011621E+22
1948	2,298639E+22	2,487270E+22	2,569349E+22	2,569360E+22	2,487297E+22	2,298674E+22	2,011643E+22	1,703152E+22	1,498256E+22	1,498269E+22	1,703181E+22	2,011664E+22
1949	2,298661E+22	2,487254E+22	2,569291E+22	2,569238E+22	2,487159E+22	2,298603E+22	2,011635E+22	1,703164E+22	1,498257E+22	1,498250E+22	1,703148E+22	2,011613E+22
1950	2,298593E+22	2,487183E+22	2,569274E+22	2,569312E+22	2,487256E+22	2,298679E+22	2,011696E+22	1,703208E+22	1,498287E+22	1,498268E+22	1,703154E+22	2,011633E+22
1951	2,298653E+22	2,487277E+22	2,569354E+22	2,569357E+22	2,487249E+22	2,298609E+22	2,011607E+22	1,703153E+22	1,498280E+22	1,498298E+22	1,703199E+22	2,011654E+22
1952	2,298622E+22	2,487197E+22	2,569237E+22	2,569240E+22	2,487204E+22	2,298625E+22	2,011638E+22	1,703179E+22	1,498295E+22	1,498296E+22	1,703183E+22	2,011634E+22
1953	2,298612E+22	2,487210E+22	2,569297E+22	2,569316E+22	2,487271E+22	2,298696E+22	2,011689E+22	1,703203E+22	1,498315E+22	1,498328E+22	1,703231E+22	2,011705E+22
1954	2,298693E+22	2,487273E+22	2,569323E+22	2,569290E+22	2,487170E+22	2,298581E+22	2,011640E+22	1,703217E+22	1,498347E+22	1,498349E+22	1,703227E+22	2,011670E+22
1955	2,298631E+22	2,487183E+22	2,569215E+22	2,569241E+22	2,487208E+22	2,298645E+22	2,011703E+22	1,703280E+22	1,498402E+22	1,498378E+22	1,703216E+22	2,011634E+22
1956	2,298619E+22	2,487252E+22	2,569349E+22	2,569350E+22	2,487268E+22	2,298659E+22	2,011680E+22	1,703261E+22	1,498419E+22	1,498433E+22	1,703291E+22	2,011699E+22
1957	2,298643E+22	2,487230E+22	2,569297E+22	2,569262E+22	2,487155E+22	2,298585E+22	2,011665E+22	1,703278E+22	1,498444E+22	1,498453E+22	1,703297E+22	2,011671E+22
1958	2,298569E+22	2,487115E+22	2,569201E+22	2,569263E+22	2,487239E+22	2,298687E+22	2,011752E+22	1,703341E+22	1,498484E+22	1,498472E+22	1,703302E+22	2,011693E+22
1959	2,298633E+22	2,487219E+22	2,569294E+22	2,569312E+22	2,487246E+22	2,298649E+22	2,011691E+22	1,703296E+22	1,498472E+22	1,498490E+22	1,703340E+22	2,011729E+22
1960	2,298641E+22	2,487180E+22	2,569199E+22	2,569177E+22	2,487140E+22	2,298613E+22	2,011705E+22	1,703319E+22	1,498477E+22	1,498466E+22	1,703294E+22	2,011683E+22
1961	2,298613E+22	2,487176E+22	2,569242E+22	2,569252E+22	2,487206E+22	2,298667E+22	2,011742E+22	1,703332E+22	1,498478E+22	1,498469E+22	1,703307E+22	2,011717E+22
1962	2,298681E+22	2,487272E+22	2,569330E+22	2,569298E+22	2,487163E+22	2,298558E+22	2,011650E+22	1,703285E+22	1,498453E+22	1,498455E+22	1,703296E+22	2,011686E+22
1963	2,298611E+22	2,487169E+22	2,569210E+22	2,569225E+22	2,487190E+22	2,298619E+22	2,011680E+22	1,703283E+22	1,498433E+22	1,498419E+22	1,703253E+22	2,011646E+22
1964	2,298589E+22	2,487204E+22	2,569321E+22	2,569342E+22	2,487276E+22	2,298679E+22	2,011683E+22	1,703233E+22	1,498378E+22	1,498397E+22	1,703276E+22	2,011710E+22
1965	2,298662E+22	2,487235E+22	2,569299E+22	2,569281E+22	2,487174E+22	2,298590E+22	2,011648E+22	1,703218E+22	1,498349E+22	1,498357E+22	1,703234E+22	2,011658E+22
1966	2,298598E+22	2,487145E+22	2,569188E+22	2,569233E+22	2,487219E+22	2,298667E+22	2,011719E+22	1,703270E+22	1,498370E+22	1,498340E+22	1,703193E+22	2,011631E+22
1967	2,298626E+22	2,487255E+22	2,569330E+22	2,569329E+22	2,487265E+22	2,298655E+22	2,011657E+22	1,703211E+22	1,498344E+22	1,498351E+22	1,703225E+22	2,011661E+22
1968	2,298628E+22	2,487221E+22	2,569272E+22	2,569233E+22	2,487154E+22	2,298590E+22	2,011644E+22	1,703215E+22	1,498344E+22	1,498338E+22	1,703202E+22	2,011628E+22

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	2,298580E+22	2,487152E+22	2,569239E+22	2,569278E+22	2,487228E+22	2,298658E+22	2,011698E+22	1,703247E+22	1,498365E+22	1,498360E+22	1,703232E+22	2,011675E+22
1970	2,298654E+22	2,487252E+22	2,569327E+22	2,569334E+22	2,487224E+22	2,298593E+22	2,011628E+22	1,703212E+22	1,498357E+22	1,498375E+22	1,703259E+22	2,011687E+22
1971	2,298625E+22	2,487174E+22	2,569194E+22	2,569197E+22	2,487176E+22	2,298620E+22	2,011670E+22	1,703247E+22	1,498383E+22	1,498379E+22	1,703237E+22	2,011653E+22
1972	2,298601E+22	2,487197E+22	2,569289E+22	2,569293E+22	2,487240E+22	2,298676E+22	2,011705E+22	1,703261E+22	1,498400E+22	1,498407E+22	1,703276E+22	2,011712E+22
1973	2,298682E+22	2,487268E+22	2,569323E+22	2,569284E+22	2,487157E+22	2,298569E+22	2,011655E+22	1,703267E+22	1,498432E+22	1,498442E+22	1,703288E+22	2,011674E+22
1974	2,298597E+22	2,487149E+22	2,569188E+22	2,569210E+22	2,487176E+22	2,298626E+22	2,011726E+22	1,703351E+22	1,498506E+22	1,498482E+22	1,703289E+22	2,011655E+22
1975	2,298588E+22	2,487201E+22	2,569305E+22	2,569327E+22	2,487268E+22	2,298664E+22	2,011699E+22	1,703318E+22	1,498510E+22	1,498526E+22	1,703357E+22	2,011722E+22
1976	2,298622E+22	2,487179E+22	2,569241E+22	2,569225E+22	2,487149E+22	2,298597E+22	2,011698E+22	1,703337E+22	1,498527E+22	1,498534E+22	1,703352E+22	2,011705E+22
1977	2,298585E+22	2,487099E+22	2,569151E+22	2,569192E+22	2,487177E+22	2,298659E+22	2,011773E+22	1,703401E+22	1,498566E+22	1,498551E+22	1,703361E+22	2,011727E+22
1978	2,298649E+22	2,487225E+22	2,569285E+22	2,569275E+22	2,487187E+22	2,298602E+22	2,011704E+22	1,703364E+22	1,498558E+22	1,498563E+22	1,703379E+22	2,011735E+22
1979	2,298631E+22	2,487172E+22	2,569194E+22	2,569157E+22	2,487106E+22	2,298583E+22	2,011710E+22	1,703372E+22	1,498562E+22	1,498548E+22	1,703342E+22	2,011680E+22
1980	2,298574E+22	2,487152E+22	2,569255E+22	2,569268E+22	2,487195E+22	2,298638E+22	2,011729E+22	1,703358E+22	1,498540E+22	1,498539E+22	1,703354E+22	2,011724E+22
1981	2,298654E+22	2,487238E+22	2,569314E+22	2,569304E+22	2,487186E+22	2,298569E+22	2,011655E+22	1,703304E+22	1,498503E+22	1,498524E+22	1,703352E+22	2,011702E+22
1982	2,298587E+22	2,487125E+22	2,569164E+22	2,569183E+22	2,487175E+22	2,298631E+22	2,011717E+22	1,703339E+22	1,498501E+22	1,498485E+22	1,703302E+22	2,011671E+22
1983	2,298582E+22	2,487169E+22	2,569272E+22	2,569300E+22	2,487264E+22	2,298687E+22	2,011716E+22	1,703295E+22	1,498451E+22	1,498457E+22	1,703307E+22	2,011714E+22
1984	2,298648E+22	2,487210E+22	2,569266E+22	2,569246E+22	2,487157E+22	2,298592E+22	2,011680E+22	1,703284E+22	1,498434E+22	1,498428E+22	1,703267E+22	2,011666E+22
1985	2,298597E+22	2,487136E+22	2,569169E+22	2,569183E+22	2,487161E+22	2,298629E+22	2,011727E+22	1,703325E+22	1,498456E+22	1,498430E+22	1,703258E+22	2,011655E+22
1986	2,298616E+22	2,487235E+22	2,569321E+22	2,569314E+22	2,487228E+22	2,298611E+22	2,011660E+22	1,703269E+22	1,498431E+22	1,498440E+22	1,703291E+22	2,011687E+22
1987	2,298612E+22	2,487183E+22	2,569236E+22	2,569210E+22	2,487145E+22	2,298584E+22	2,011652E+22	1,703258E+22	1,498424E+22	1,498429E+22	1,703275E+22	2,011662E+22
1988	2,298568E+22	2,487124E+22	2,569219E+22	2,569255E+22	2,487205E+22	2,298641E+22	2,011700E+22	1,703278E+22	1,498424E+22	1,498428E+22	1,703286E+22	2,011708E+22
1989	2,298667E+22	2,487246E+22	2,569304E+22	2,569304E+22	2,487206E+22	2,298588E+22	2,011647E+22	1,703255E+22	1,498424E+22	1,498446E+22	1,703306E+22	2,011702E+22
1990	2,298624E+22	2,487168E+22	2,569178E+22	2,569154E+22	2,487132E+22	2,298602E+22	2,011700E+22	1,703322E+22	1,498479E+22	1,498461E+22	1,703281E+22	2,011657E+22
1991	2,298580E+22	2,487176E+22	2,569274E+22	2,569280E+22	2,487225E+22	2,298662E+22	2,011723E+22	1,703329E+22	1,498498E+22	1,498496E+22	1,703319E+22	2,011701E+22
1992	2,298636E+22	2,487222E+22	2,569300E+22	2,569282E+22	2,487166E+22	2,298576E+22	2,011680E+22	1,703334E+22	1,498531E+22	1,498537E+22	1,703345E+22	2,011687E+22
1993	2,298572E+22	2,487101E+22	2,569143E+22	2,569165E+22	2,487147E+22	2,298619E+22	2,011746E+22	1,703408E+22	1,498598E+22	1,498584E+22	1,703370E+22	2,011695E+22
1994	2,298580E+22	2,487159E+22	2,569259E+22	2,569283E+22	2,487230E+22	2,298649E+22	2,011733E+22	1,703392E+22	1,498601E+22	1,498613E+22	1,703419E+22	2,011753E+22
1995	2,298622E+22	2,487149E+22	2,569191E+22	2,569171E+22	2,487111E+22	2,298585E+22	2,011725E+22	1,703408E+22	1,498623E+22	1,498623E+22	1,703411E+22	2,011725E+22
1996	2,298577E+22	2,487091E+22	2,569145E+22	2,569161E+22	2,487129E+22	2,298619E+22	2,011770E+22	1,703446E+22	1,498645E+22	1,498630E+22	1,703409E+22	2,011742E+22
1997	2,298648E+22	2,487225E+22	2,569290E+22	2,569269E+22	2,487167E+22	2,298578E+22	2,011702E+22	1,703398E+22	1,498629E+22	1,498647E+22	1,703436E+22	2,011744E+22
1998	2,298608E+22	2,487147E+22	2,569184E+22	2,569146E+22	2,487087E+22	2,298565E+22	2,011718E+22	1,703420E+22	1,498639E+22	1,498629E+22	1,703401E+22	2,011701E+22
1999	2,298554E+22	2,487109E+22	2,569221E+22	2,569260E+22	2,487213E+22	2,298652E+22	2,011742E+22	1,703395E+22	1,498601E+22	1,498603E+22	1,703398E+22	2,011738E+22
2000	2,298638E+22	2,487199E+22	2,569271E+22	2,569280E+22	2,487195E+22	2,298599E+22	2,011693E+22	1,703354E+22	1,498563E+22	1,498577E+22	1,703384E+22	2,011723E+22
2001	2,298597E+22	2,487108E+22	2,569122E+22	2,569119E+22	2,487122E+22	2,298616E+22	2,011745E+22	1,703399E+22	1,498575E+22	1,498552E+22	1,703346E+22	2,011691E+22
2002	2,298587E+22	2,487162E+22	2,569258E+22	2,569265E+22	2,487211E+22	2,298653E+22	2,011737E+22	1,703365E+22	1,498538E+22	1,498529E+22	1,703342E+22	2,011713E+22
2003	2,298628E+22	2,487187E+22	2,569248E+22	2,569221E+22	2,487122E+22	2,298564E+22	2,011686E+22	1,703340E+22	1,498524E+22	1,498518E+22	1,703323E+22	2,011669E+22
2004	2,298560E+22	2,487104E+22	2,569165E+22	2,569179E+22	2,487137E+22	2,298593E+22	2,011710E+22	1,703353E+22	1,498524E+22	1,498510E+22	1,703319E+22	2,011681E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙ / Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2005	2,298606E+22	2,487206E+22	2,569299E+22	2,569303E+22	2,487226E+22	2,298609E+22	2,011659E+22	1,703290E+22	1,498488E+22	1,498516E+22	1,703353E+22	2,011716E+22
2006	2,298606E+22	2,487150E+22	2,569196E+22	2,569164E+22	2,487112E+22	2,298580E+22	2,011680E+22	1,703315E+22	1,498497E+22	1,498500E+22	1,703326E+22	2,011691E+22
2007	2,298573E+22	2,487105E+22	2,569184E+22	2,569224E+22	2,487193E+22	2,298643E+22	2,011725E+22	1,703339E+22	1,498503E+22	1,498494E+22	1,703316E+22	2,011708E+22
2008	2,298656E+22	2,487234E+22	2,569289E+22	2,569282E+22	2,487196E+22	2,298594E+22	2,011679E+22	1,703325E+22	1,498517E+22	1,498523E+22	1,703341E+22	2,011704E+22
2009	2,298610E+22	2,487151E+22	2,569165E+22	2,569122E+22	2,487086E+22	2,298573E+22	2,011717E+22	1,703393E+22	1,498584E+22	1,498566E+22	1,703350E+22	2,011674E+22
2010	2,298555E+22	2,487135E+22	2,569254E+22	2,569270E+22	2,487201E+22	2,298637E+22	2,011741E+22	1,703403E+22	1,498603E+22	1,498600E+22	1,703389E+22	2,011719E+22
2011	2,298604E+22	2,487161E+22	2,569247E+22	2,569249E+22	2,487155E+22	2,298581E+22	2,011704E+22	1,703397E+22	1,498631E+22	1,498645E+22	1,703427E+22	2,011719E+22
2012	2,298553E+22	2,487062E+22	2,569107E+22	2,569120E+22	2,487105E+22	2,298600E+22	2,011759E+22	1,703456E+22	1,498674E+22	1,498667E+22	1,703436E+22	2,011736E+22
2013	2,298597E+22	2,487151E+22	2,569229E+22	2,569238E+22	2,487190E+22	2,298630E+22	2,011745E+22	1,703440E+22	1,498680E+22	1,498697E+22	1,703473E+22	2,011773E+22
2014	2,298624E+22	2,487145E+22	2,569176E+22	2,569129E+22	2,487059E+22	2,298554E+22	2,011739E+22	1,703472E+22	1,498715E+22	1,498710E+22	1,703462E+22	2,011738E+22
2015	2,298568E+22	2,487077E+22	2,569137E+22	2,569161E+22	2,487123E+22	2,298600E+22	2,011767E+22	1,703490E+22	1,498724E+22	1,498707E+22	1,703451E+22	2,011739E+22
2016	2,298617E+22	2,487192E+22	2,569275E+22	2,569276E+22	2,487187E+22	2,298593E+22	2,011719E+22	1,703442E+22	1,498700E+22	1,498716E+22	1,703481E+22	2,011762E+22
2017	2,298594E+22	2,487110E+22	2,569150E+22	2,569117E+22	2,487070E+22	2,298569E+22	2,011741E+22	1,703466E+22	1,498708E+22	1,498704E+22	1,703459E+22	2,011732E+22
2018	2,298551E+22	2,487075E+22	2,569182E+22	2,569225E+22	2,487181E+22	2,298649E+22	2,011783E+22	1,703463E+22	1,498674E+22	1,498665E+22	1,703434E+22	2,011748E+22
2019	2,298628E+22	2,487169E+22	2,569227E+22	2,569235E+22	2,487166E+22	2,298601E+22	2,011727E+22	1,703423E+22	1,498650E+22	1,498653E+22	1,703426E+22	2,011724E+22
2020	2,298577E+22	2,487098E+22	2,569118E+22	2,569087E+22	2,487068E+22	2,298579E+22	2,011744E+22	1,703441E+22	1,498647E+22	1,498626E+22	1,703391E+22	2,011700E+22
2021	2,298578E+22	2,487149E+22	2,569247E+22	2,569247E+22	2,487179E+22	2,298622E+22	2,011729E+22	1,703398E+22	1,498611E+22	1,498616E+22	1,703400E+22	2,011725E+22
2022	2,298606E+22	2,487154E+22	2,569223E+22	2,569200E+22	2,487097E+22	2,298542E+22	2,011686E+22	1,703382E+22	1,498602E+22	1,498604E+22	1,703390E+22	2,011702E+22
2023	2,298553E+22	2,487065E+22	2,569122E+22	2,569165E+22	2,487142E+22	2,298593E+22	2,011709E+22	1,703381E+22	1,498583E+22	1,498576E+22	1,703368E+22	2,011705E+22
2024	2,298606E+22	2,487183E+22	2,569264E+22	2,569275E+22	2,487220E+22	2,298625E+22	2,011692E+22	1,703341E+22	1,498550E+22	1,498570E+22	1,703389E+22	2,011742E+22
2025	2,298622E+22	2,487146E+22	2,569175E+22	2,569118E+22	2,487060E+22	2,298559E+22	2,011703E+22	1,703378E+22	1,498580E+22	1,498575E+22	1,703370E+22	2,011704E+22
2026	2,298571E+22	2,487099E+22	2,569181E+22	2,569204E+22	2,487149E+22	2,298618E+22	2,011752E+22	1,703415E+22	1,498601E+22	1,498579E+22	1,703354E+22	2,011695E+22
2027	2,298618E+22	2,487200E+22	2,569272E+22	2,569272E+22	2,487182E+22	2,298589E+22	2,011699E+22	1,703394E+22	1,498624E+22	1,498631E+22	1,703405E+22	2,011700E+22
2028	2,298559E+22	2,487103E+22	2,569147E+22	2,569112E+22	2,487068E+22	2,298556E+22	2,011719E+22	1,703439E+22	1,498673E+22	1,498666E+22	1,703426E+22	2,011704E+22
2029	2,298539E+22	2,487087E+22	2,569203E+22	2,569239E+22	2,487190E+22	2,298643E+22	2,011759E+22	1,703449E+22	1,498688E+22	1,498700E+22	1,703465E+22	2,011754E+22
2030	2,298598E+22	2,487120E+22	2,569188E+22	2,569190E+22	2,487111E+22	2,298572E+22	2,011738E+22	1,703470E+22	1,498726E+22	1,498738E+22	1,703495E+22	2,011760E+22
2031	2,298566E+22	2,487041E+22	2,569062E+22	2,569082E+22	2,487078E+22	2,298584E+22	2,011773E+22	1,703516E+22	1,498762E+22	1,498747E+22	1,703483E+22	2,011750E+22
2032	2,298599E+22	2,487151E+22	2,569220E+22	2,569214E+22	2,487162E+22	2,298622E+22	2,011768E+22	1,703501E+22	1,498765E+22	1,498773E+22	1,703519E+22	2,011789E+22
2033	2,298622E+22	2,487138E+22	2,569173E+22	2,569109E+22	2,487014E+22	2,298520E+22	2,011745E+22	1,703526E+22	1,498804E+22	1,498802E+22	1,703526E+22	2,011760E+22
2034	2,298556E+22	2,487054E+22	2,569129E+22	2,569163E+22	2,487112E+22	2,298588E+22	2,011781E+22	1,703543E+22	1,498804E+22	1,498788E+22	1,703503E+22	2,011750E+22
2035	2,298594E+22	2,487149E+22	2,569234E+22	2,569254E+22	2,487187E+22	2,298612E+22	2,011745E+22	1,703491E+22	1,498775E+22	1,498794E+22	1,703535E+22	2,011774E+22
2036	2,298574E+22	2,487081E+22	2,569121E+22	2,569081E+22	2,487034E+22	2,298558E+22	2,011759E+22	1,703510E+22	1,498768E+22	1,498763E+22	1,703501E+22	2,011753E+22
2037	2,298558E+22	2,487064E+22	2,569152E+22	2,569188E+22	2,487146E+22	2,298632E+22	2,011794E+22	1,703509E+22	1,498746E+22	1,498734E+22	1,703468E+22	2,011745E+22
2038	2,298609E+22	2,487148E+22	2,569205E+22	2,569197E+22	2,487113E+22	2,298567E+22	2,011738E+22	1,703481E+22	1,498736E+22	1,498734E+22	1,703473E+22	2,011728E+22
2039	2,298554E+22	2,487067E+22	2,569095E+22	2,569085E+22	2,487059E+22	2,298554E+22	2,011734E+22	1,703475E+22	1,498718E+22	1,498700E+22	1,703437E+22	2,011703E+22
2040	2,298551E+22	2,487118E+22	2,569224E+22	2,569240E+22	2,487181E+22	2,298629E+22	2,011738E+22	1,703432E+22	1,498672E+22	1,498681E+22	1,703453E+22	2,011754E+22

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	2,298603E+22	2,487123E+22	2,569185E+22	2,569164E+22	2,487067E+22	2,298535E+22	2,011702E+22	1,703423E+22	1,498667E+22	1,498677E+22	1,703450E+22	2,011739E+22
2042	2,298565E+22	2,487048E+22	2,569092E+22	2,569136E+22	2,487112E+22	2,298587E+22	2,011742E+22	1,703441E+22	1,498655E+22	1,498639E+22	1,703404E+22	2,011714E+22
2043	2,298601E+22	2,487165E+22	2,569233E+22	2,569242E+22	2,487196E+22	2,298629E+22	2,011725E+22	1,703409E+22	1,498642E+22	1,498652E+22	1,703431E+22	2,011736E+22
2044	2,298596E+22	2,487138E+22	2,569177E+22	2,569101E+22	2,487018E+22	2,298532E+22	2,011713E+22	1,703432E+22	1,498665E+22	1,498661E+22	1,703424E+22	2,011712E+22
2045	2,298552E+22	2,487076E+22	2,569166E+22	2,569195E+22	2,487129E+22	2,298600E+22	2,011758E+22	1,703467E+22	1,498697E+22	1,498683E+22	1,703421E+22	2,011703E+22
2046	2,298580E+22	2,487146E+22	2,569230E+22	2,569247E+22	2,487163E+22	2,298582E+22	2,011719E+22	1,703456E+22	1,498725E+22	1,498739E+22	1,703487E+22	2,011737E+22
2047	2,298547E+22	2,487051E+22	2,569085E+22	2,569083E+22	2,487063E+22	2,298559E+22	2,011735E+22	1,703487E+22	1,498753E+22	1,498754E+22	1,703491E+22	2,011739E+22
2048	2,298546E+22	2,487065E+22	2,569154E+22	2,569187E+22	2,487159E+22	2,298649E+22	2,011797E+22	1,703515E+22	1,498769E+22	1,498772E+22	1,703519E+22	2,011793E+22
2049	2,298620E+22	2,487121E+22	2,569162E+22	2,569135E+22	2,487044E+22	2,298535E+22	2,011755E+22	1,703538E+22	1,498823E+22	1,498827E+22	1,703553E+22	2,011784E+22
2050	2,298576E+22	2,487049E+22	2,569066E+22	2,569064E+22	2,487028E+22	2,298547E+22	2,011786E+22	1,703579E+22	1,498856E+22	1,498835E+22	1,703528E+22	2,011746E+22
2051	2,298570E+22	2,487127E+22	2,569213E+22	2,569215E+22	2,487152E+22	2,298613E+22	2,011781E+22	1,703557E+22	1,498859E+22	1,498870E+22	1,703578E+22	2,011785E+22
2052	2,298579E+22	2,487106E+22	2,569167E+22	2,569114E+22	2,487007E+22	2,298510E+22	2,011746E+22	1,703558E+22	1,498870E+22	1,498880E+22	1,703584E+22	2,011780E+22
2053	2,298539E+22	2,487016E+22	2,569088E+22	2,569141E+22	2,487107E+22	2,298598E+22	2,011802E+22	1,703584E+22	1,498873E+22	1,498863E+22	1,703551E+22	2,011761E+22
2054	2,298573E+22	2,487107E+22	2,569182E+22	2,569207E+22	2,487157E+22	2,298615E+22	2,011785E+22	1,703559E+22	1,498856E+22	1,498867E+22	1,703581E+22	2,011790E+22
2055	2,298568E+22	2,487052E+22	2,569074E+22	2,569050E+22	2,487014E+22	2,298545E+22	2,011773E+22	1,703562E+22	1,498844E+22	1,498831E+22	1,703536E+22	2,011753E+22
2056	2,298545E+22	2,487052E+22	2,569129E+22	2,569158E+22	2,487114E+22	2,298622E+22	2,011816E+22	1,703564E+22	1,498821E+22	1,498803E+22	1,703515E+22	2,011763E+22
2057	2,298596E+22	2,487127E+22	2,569186E+22	2,569172E+22	2,487068E+22	2,298526E+22	2,011736E+22	1,703526E+22	1,498815E+22	1,498821E+22	1,703542E+22	2,011759E+22
2058	2,298547E+22	2,487042E+22	2,569074E+22	2,569073E+22	2,487039E+22	2,298538E+22	2,011739E+22	1,703510E+22	1,498783E+22	1,498775E+22	1,703493E+22	2,011726E+22
2059	2,298541E+22	2,487086E+22	2,569185E+22	2,569212E+22	2,487171E+22	2,298639E+22	2,011762E+22	1,703472E+22	1,498736E+22	1,498752E+22	1,703506E+22	2,011772E+22
2060	2,298599E+22	2,487118E+22	2,569168E+22	2,569132E+22	2,487029E+22	2,298517E+22	2,011714E+22	1,703461E+22	1,498723E+22	1,498732E+22	1,703489E+22	2,011759E+22
2061	2,298576E+22	2,487054E+22	2,569080E+22	2,569111E+22	2,487082E+22	2,298571E+22	2,011754E+22	1,703492E+22	1,498735E+22	1,498713E+22	1,703435E+22	2,011704E+22
2062	2,298574E+22	2,487146E+22	2,569220E+22	2,569222E+22	2,487161E+22	2,298609E+22	2,011747E+22	1,703476E+22	1,498738E+22	1,498743E+22	1,703482E+22	2,011736E+22
2063	2,298563E+22	2,487094E+22	2,569146E+22	2,569107E+22	2,487024E+22	2,298520E+22	2,011720E+22	1,703482E+22	1,498753E+22	1,498752E+22	1,703482E+22	2,011719E+22
2064	2,298520E+22	2,487032E+22	2,569124E+22	2,569174E+22	2,487129E+22	2,298616E+22	2,011790E+22	1,703524E+22	1,498778E+22	1,498768E+22	1,703492E+22	2,011742E+22
2065	2,298570E+22	2,487101E+22	2,569172E+22	2,569191E+22	2,487117E+22	2,298570E+22	2,011750E+22	1,703523E+22	1,498818E+22	1,498836E+22	1,703565E+22	2,011784E+22
2066	2,298561E+22	2,487035E+22	2,569047E+22	2,569037E+22	2,487016E+22	2,298543E+22	2,011770E+22	1,703559E+22	1,498847E+22	1,498841E+22	1,703545E+22	2,011758E+22
2067	2,298548E+22	2,487059E+22	2,569130E+22	2,569147E+22	2,487116E+22	2,298630E+22	2,011819E+22	1,703584E+22	1,498872E+22	1,498870E+22	1,703574E+22	2,011794E+22
2068	2,298603E+22	2,487124E+22	2,569169E+22	2,569118E+22	2,486997E+22	2,298494E+22	2,011753E+22	1,703586E+22	1,498908E+22	1,498917E+22	1,703613E+22	2,011800E+22
2069	2,298563E+22	2,487037E+22	2,569064E+22	2,569071E+22	2,487021E+22	2,298526E+22	2,011780E+22	1,703621E+22	1,498942E+22	1,498928E+22	1,703587E+22	2,011753E+22
2070	2,298534E+22	2,487078E+22	2,569178E+22	2,569202E+22	2,487147E+22	2,298614E+22	2,011800E+22	1,703608E+22	1,498942E+22	1,498959E+22	1,703645E+22	2,011813E+22
2071	2,298562E+22	2,487052E+22	2,569109E+22	2,569097E+22	2,487016E+22	2,298523E+22	2,011772E+22	1,703603E+22	1,498934E+22	1,498946E+22	1,703630E+22	2,011798E+22
2072	2,298535E+22	2,486994E+22	2,569044E+22	2,569094E+22	2,487083E+22	2,298609E+22	2,011846E+22	1,703647E+22	1,498940E+22	1,498919E+22	1,703591E+22	2,011782E+22
2073	2,298568E+22	2,487091E+22	2,569150E+22	2,569153E+22	2,487096E+22	2,298581E+22	2,011803E+22	1,703623E+22	1,498945E+22	1,498948E+22	1,703629E+22	2,011804E+22
2074	2,298562E+22	2,487044E+22	2,569065E+22	2,569026E+22	2,486970E+22	2,298513E+22	2,011784E+22	1,703614E+22	1,498925E+22	1,498911E+22	1,703581E+22	2,011752E+22
2075	2,298516E+22	2,487022E+22	2,569108E+22	2,569143E+22	2,487098E+22	2,298605E+22	2,011821E+22	1,703607E+22	1,498900E+22	1,498889E+22	1,703575E+22	2,011771E+22
2076	2,298569E+22	2,487102E+22	2,569167E+22	2,569156E+22	2,487049E+22	2,298509E+22	2,011732E+22	1,703548E+22	1,498867E+22	1,498887E+22	1,703601E+22	2,011796E+22

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	2,298553E+22	2,487025E+22	2,569045E+22	2,569051E+22	2,487027E+22	2,298535E+22	2,011749E+22	1,703543E+22	1,498840E+22	1,498835E+22	1,703534E+22	2,011743E+22
2078	2,298536E+22	2,487065E+22	2,569152E+22	2,569176E+22	2,487142E+22	2,298633E+22	2,011793E+22	1,703532E+22	1,498810E+22	1,498817E+22	1,703545E+22	2,011785E+22
2079	2,298595E+22	2,487101E+22	2,569143E+22	2,569120E+22	2,487021E+22	2,298508E+22	2,011731E+22	1,703512E+22	1,498796E+22	1,498798E+22	1,703519E+22	2,011752E+22
2080	2,298556E+22	2,487045E+22	2,569070E+22	2,569093E+22	2,487062E+22	2,298568E+22	2,011785E+22	1,703556E+22	1,498817E+22	1,498789E+22	1,703488E+22	2,011715E+22
2081	2,298542E+22	2,487107E+22	2,569194E+22	2,569202E+22	2,487133E+22	2,298584E+22	2,011760E+22	1,703540E+22	1,498838E+22	1,498846E+22	1,703559E+22	2,011766E+22
2082	2,298547E+22	2,487054E+22	2,569106E+22	2,569081E+22	2,487006E+22	2,298514E+22	2,011741E+22	1,703537E+22	1,498842E+22	1,498848E+22	1,703553E+22	2,011749E+22
2083	2,298508E+22	2,486991E+22	2,569068E+22	2,569122E+22	2,487100E+22	2,298618E+22	2,011825E+22	1,703590E+22	1,498869E+22	1,498863E+22	1,703561E+22	2,011770E+22
2084	2,298572E+22	2,487096E+22	2,569146E+22	2,569141E+22	2,487060E+22	2,298534E+22	2,011760E+22	1,703576E+22	1,498896E+22	1,498915E+22	1,703622E+22	2,011815E+22
2085	2,298575E+22	2,487043E+22	2,569040E+22	2,569007E+22	2,486970E+22	2,298505E+22	2,011768E+22	1,703612E+22	1,498940E+22	1,498929E+22	1,703590E+22	2,011757E+22
2086	2,298524E+22	2,487043E+22	2,569125E+22	2,569134E+22	2,487086E+22	2,298601E+22	2,011829E+22	1,703644E+22	1,498968E+22	1,498967E+22	1,703634E+22	2,011802E+22
2087	2,298572E+22	2,487081E+22	2,569147E+22	2,569135E+22	2,487017E+22	2,298487E+22	2,011755E+22	1,703625E+22	1,498984E+22	1,499000E+22	1,703667E+22	2,011808E+22
2088	2,298534E+22	2,486998E+22	2,569030E+22	2,569055E+22	2,487032E+22	2,298553E+22	2,011818E+22	1,703676E+22	1,499012E+22	1,499000E+22	1,703647E+22	2,011784E+22
2089	2,298516E+22	2,487028E+22	2,569124E+22	2,569156E+22	2,487116E+22	2,298613E+22	2,011840E+22	1,703679E+22	1,499027E+22	1,499040E+22	1,703703E+22	2,011844E+22
2090	2,298565E+22	2,487029E+22	2,569066E+22	2,569046E+22	2,486979E+22	2,298518E+22	2,011812E+22	1,703675E+22	1,499021E+22	1,499021E+22	1,703672E+22	2,011804E+22
2091	2,298522E+22	2,486977E+22	2,569012E+22	2,569044E+22	2,487039E+22	2,298595E+22	2,011874E+22	1,703716E+22	1,499034E+22	1,499007E+22	1,703641E+22	2,011780E+22
2092	2,298548E+22	2,487084E+22	2,569144E+22	2,569122E+22	2,487042E+22	2,298534E+22	2,011796E+22	1,703663E+22	1,499018E+22	1,499028E+22	1,703689E+22	2,011828E+22
2093	2,298554E+22	2,487029E+22	2,569058E+22	2,569021E+22	2,486954E+22	2,298481E+22	2,011764E+22	1,703642E+22	1,498997E+22	1,498991E+22	1,703637E+22	2,011771E+22
2094	2,298497E+22	2,486987E+22	2,569079E+22	2,569123E+22	2,487085E+22	2,298595E+22	2,011826E+22	1,703640E+22	1,498962E+22	1,498962E+22	1,703635E+22	2,011807E+22
2095	2,298571E+22	2,487068E+22	2,569126E+22	2,569141E+22	2,487052E+22	2,298510E+22	2,011746E+22	1,703579E+22	1,498913E+22	1,498934E+22	1,703633E+22	2,011813E+22
2096	2,298562E+22	2,487028E+22	2,569030E+22	2,569020E+22	2,487008E+22	2,298540E+22	2,011785E+22	1,703599E+22	1,498897E+22	1,498879E+22	1,703563E+22	2,011755E+22
2097	2,298526E+22	2,487053E+22	2,569139E+22	2,569143E+22	2,487096E+22	2,298603E+22	2,011813E+22	1,703599E+22	1,498899E+22	1,498895E+22	1,703585E+22	2,011785E+22
2098	2,298574E+22	2,487084E+22	2,569139E+22	2,569110E+22	2,487002E+22	2,298495E+22	2,011752E+22	1,703572E+22	1,498886E+22	1,498885E+22	1,703567E+22	2,011744E+22
2099	2,298511E+22	2,487000E+22	2,569043E+22	2,569076E+22	2,487056E+22	2,298567E+22	2,011805E+22	1,703614E+22	1,498911E+22	1,498890E+22	1,703555E+22	2,011724E+22
2100	2,298505E+22	2,487060E+22	2,569151E+22	2,569162E+22	2,487106E+22	2,298570E+22	2,011770E+22	1,703584E+22	1,498914E+22	1,498934E+22	1,703633E+22	2,011810E+22
2101	2,298550E+22	2,487025E+22	2,569062E+22	2,569039E+22	2,486979E+22	2,298501E+22	2,011755E+22	1,703592E+22	1,498928E+22	1,498933E+22	1,703612E+22	2,011776E+22
2102	2,298507E+22	2,486968E+22	2,569028E+22	2,569071E+22	2,487053E+22	2,298591E+22	2,011845E+22	1,703657E+22	1,498964E+22	1,498953E+22	1,703622E+22	2,011798E+22
2103	2,298573E+22	2,487078E+22	2,569124E+22	2,569122E+22	2,487037E+22	2,298511E+22	2,011768E+22	1,703629E+22	1,498980E+22	1,498997E+22	1,703670E+22	2,011824E+22
2104	2,298564E+22	2,487040E+22	2,569044E+22	2,568999E+22	2,486952E+22	2,298495E+22	2,011790E+22	1,703670E+22	1,499020E+22	1,499011E+22	1,703653E+22	2,011777E+22
2105	2,298497E+22	2,487005E+22	2,569103E+22	2,569123E+22	2,487069E+22	2,298583E+22	2,011841E+22	1,703704E+22	1,499064E+22	1,499066E+22	1,703706E+22	2,011831E+22
2106	2,298558E+22	2,487044E+22	2,569109E+22	2,569110E+22	2,487017E+22	2,298506E+22	2,011789E+22	1,703681E+22	1,499067E+22	1,499086E+22	1,703725E+22	2,011827E+22
2107	2,298518E+22	2,486959E+22	2,568980E+22	2,569004E+22	2,487010E+22	2,298567E+22	2,011865E+22	1,703748E+22	1,499101E+22	1,499084E+22	1,703699E+22	2,011797E+22
2108	2,298509E+22	2,487014E+22	2,569091E+22	2,569101E+22	2,487060E+22	2,298583E+22	2,011858E+22	1,703740E+22	1,499110E+22	1,499114E+22	1,703750E+22	2,011864E+22
2109	2,298569E+22	2,487027E+22	2,569056E+22	2,569016E+22	2,486934E+22	2,298478E+22	2,011808E+22	1,703730E+22	1,499114E+22	1,499105E+22	1,703715E+22	2,011803E+22
2110	2,298495E+22	2,486950E+22	2,569000E+22	2,569025E+22	2,487003E+22	2,298558E+22	2,011872E+22	1,703765E+22	1,499120E+22	1,499098E+22	1,703704E+22	2,011798E+22
2111	2,298525E+22	2,487040E+22	2,569120E+22	2,569128E+22	2,487050E+22	2,298521E+22	2,011787E+22	1,703686E+22	1,499074E+22	1,499095E+22	1,703741E+22	2,011848E+22
2112	2,298543E+22	2,487005E+22	2,569036E+22	2,569004E+22	2,486955E+22	2,298497E+22	2,011789E+22	1,703677E+22	1,499041E+22	1,499043E+22	1,703688E+22	2,011806E+22

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	2,298495E+22	2,486958E+22	2,569045E+22	2,569090E+22	2,487060E+22	2,298587E+22	2,011850E+22	1,703694E+22	1,499029E+22	1,499023E+22	1,703676E+22	2,011831E+22
2114	2,298583E+22	2,487063E+22	2,569105E+22	2,569106E+22	2,487032E+22	2,298513E+22	2,011775E+22	1,703636E+22	1,498986E+22	1,498994E+22	1,703658E+22	2,011805E+22
2115	2,298543E+22	2,487013E+22	2,569016E+22	2,568989E+22	2,486981E+22	2,298536E+22	2,011816E+22	1,703667E+22	1,498987E+22	1,498962E+22	1,703603E+22	2,011743E+22
2116	2,298493E+22	2,487030E+22	2,569128E+22	2,569125E+22	2,487061E+22	2,298570E+22	2,011814E+22	1,703648E+22	1,498979E+22	1,498979E+22	1,703644E+22	2,011801E+22
2117	2,298550E+22	2,487047E+22	2,569115E+22	2,569097E+22	2,486990E+22	2,298474E+22	2,011745E+22	1,703617E+22	1,498974E+22	1,498978E+22	1,703632E+22	2,011766E+22
2118	2,298485E+22	2,486946E+22	2,568991E+22	2,569033E+22	2,487031E+22	2,298561E+22	2,011823E+22	1,703665E+22	1,498993E+22	1,498982E+22	1,703632E+22	2,011770E+22
2119	2,298510E+22	2,487019E+22	2,569097E+22	2,569122E+22	2,487082E+22	2,298561E+22	2,011787E+22	1,703629E+22	1,498980E+22	1,499002E+22	1,703683E+22	2,011840E+22
2120	2,298567E+22	2,487029E+22	2,569045E+22	2,568997E+22	2,486940E+22	2,298489E+22	2,011781E+22	1,703653E+22	1,499002E+22	1,499001E+22	1,703660E+22	2,011799E+22
2121	2,298505E+22	2,486962E+22	2,569022E+22	2,569044E+22	2,487005E+22	2,298550E+22	2,011851E+22	1,703723E+22	1,499064E+22	1,499046E+22	1,703676E+22	2,011809E+22
2122	2,298562E+22	2,487065E+22	2,569121E+22	2,569114E+22	2,487024E+22	2,298501E+22	2,011784E+22	1,703686E+22	1,499073E+22	1,499089E+22	1,703723E+22	2,011822E+22
2123	2,298525E+22	2,486999E+22	2,569025E+22	2,568991E+22	2,486956E+22	2,298507E+22	2,011820E+22	1,703736E+22	1,499117E+22	1,499109E+22	1,703715E+22	2,011786E+22
2124	2,298467E+22	2,486962E+22	2,569063E+22	2,569089E+22	2,487048E+22	2,298580E+22	2,011865E+22	1,703760E+22	1,499145E+22	1,499151E+22	1,703770E+22	2,011863E+22
2125	2,298556E+22	2,487014E+22	2,569070E+22	2,569071E+22	2,486991E+22	2,298499E+22	2,011814E+22	1,703752E+22	1,499163E+22	1,499170E+22	1,703774E+22	2,011840E+22
2126	2,298505E+22	2,486930E+22	2,568941E+22	2,568952E+22	2,486963E+22	2,298549E+22	2,011891E+22	1,703820E+22	1,499200E+22	1,499177E+22	1,703758E+22	2,011816E+22
2127	2,298499E+22	2,486982E+22	2,569062E+22	2,569075E+22	2,487028E+22	2,298557E+22	2,011863E+22	1,703789E+22	1,499190E+22	1,499194E+22	1,703799E+22	2,011875E+22
2128	2,298558E+22	2,487016E+22	2,569054E+22	2,569007E+22	2,486912E+22	2,298458E+22	2,011815E+22	1,703775E+22	1,499183E+22	1,499182E+22	1,703780E+22	2,011833E+22
2129	2,298478E+22	2,486914E+22	2,568976E+22	2,569011E+22	2,486982E+22	2,298528E+22	2,011864E+22	1,703803E+22	1,499195E+22	1,499181E+22	1,703771E+22	2,011837E+22
2130	2,298529E+22	2,487015E+22	2,569086E+22	2,569099E+22	2,487045E+22	2,298537E+22	2,011809E+22	1,703721E+22	1,499131E+22	1,499157E+22	1,703785E+22	2,011867E+22
2131	2,298542E+22	2,486987E+22	2,569010E+22	2,568970E+22	2,486935E+22	2,298507E+22	2,011824E+22	1,703731E+22	1,499106E+22	1,499099E+22	1,703716E+22	2,011807E+22
2132	2,298493E+22	2,486956E+22	2,569027E+22	2,569049E+22	2,487013E+22	2,298561E+22	2,011860E+22	1,703742E+22	1,499096E+22	1,499080E+22	1,703703E+22	2,011831E+22
2133	2,298574E+22	2,487059E+22	2,569104E+22	2,569093E+22	2,487006E+22	2,298488E+22	2,011776E+22	1,703689E+22	1,499072E+22	1,499068E+22	1,703688E+22	2,011789E+22
2134	2,298501E+22	2,486972E+22	2,568997E+22	2,568976E+22	2,486960E+22	2,298517E+22	2,011822E+22	1,703719E+22	1,499075E+22	1,499054E+22	1,703666E+22	2,011757E+22
2135	2,298458E+22	2,486962E+22	2,569081E+22	2,569115E+22	2,487063E+22	2,298567E+22	2,011820E+22	1,703685E+22	1,499048E+22	1,499056E+22	1,703702E+22	2,011827E+22
2136	2,298539E+22	2,487010E+22	2,569075E+22	2,569062E+22	2,486974E+22	2,298485E+22	2,011776E+22	1,703667E+22	1,499037E+22	1,499049E+22	1,703699E+22	2,011809E+22
2137	2,298487E+22	2,486913E+22	2,568945E+22	2,568982E+22	2,486983E+22	2,298537E+22	2,011842E+22	1,703731E+22	1,499082E+22	1,499066E+22	1,703690E+22	2,011805E+22
2138	2,298531E+22	2,487021E+22	2,569073E+22	2,569073E+22	2,487042E+22	2,298554E+22	2,011812E+22	1,703692E+22	1,499070E+22	1,499084E+22	1,703726E+22	2,011844E+22
2139	2,298558E+22	2,487025E+22	2,569044E+22	2,568974E+22	2,486906E+22	2,298475E+22	2,011805E+22	1,703722E+22	1,499102E+22	1,499096E+22	1,703709E+22	2,011796E+22
2140	2,298484E+22	2,486948E+22	2,569019E+22	2,569035E+22	2,486977E+22	2,298518E+22	2,011849E+22	1,703774E+22	1,499155E+22	1,499141E+22	1,703741E+22	2,011829E+22
2141	2,298545E+22	2,487034E+22	2,569104E+22	2,569112E+22	2,487027E+22	2,298495E+22	2,011787E+22	1,703740E+22	1,499170E+22	1,499186E+22	1,703787E+22	2,011839E+22
2142	2,298498E+22	2,486944E+22	2,568976E+22	2,568957E+22	2,486940E+22	2,298516E+22	2,011854E+22	1,703800E+22	1,499208E+22	1,499205E+22	1,703789E+22	2,011823E+22
2143	2,298461E+22	2,486911E+22	2,569008E+22	2,569052E+22	2,487024E+22	2,298577E+22	2,011894E+22	1,703822E+22	1,499224E+22	1,499224E+22	1,703817E+22	2,011881E+22
2144	2,298558E+22	2,487007E+22	2,569049E+22	2,569029E+22	2,486947E+22	2,298486E+22	2,011843E+22	1,703818E+22	1,499246E+22	1,499249E+22	1,703829E+22	2,011857E+22
2145	2,298491E+22	2,486910E+22	2,568925E+22	2,568924E+22	2,486912E+22	2,298506E+22	2,011893E+22	1,703881E+22	1,499299E+22	1,499274E+22	1,703820E+22	2,011834E+22
2146	2,298490E+22	2,486966E+22	2,569046E+22	2,569055E+22	2,487010E+22	2,298546E+22	2,011866E+22	1,703829E+22	1,499268E+22	1,499278E+22	1,703853E+22	2,011882E+22
2147	2,298532E+22	2,486980E+22	2,569028E+22	2,568993E+22	2,486909E+22	2,298465E+22	2,011833E+22	1,703818E+22	1,499255E+22	1,499259E+22	1,703832E+22	2,011849E+22
2148	2,298473E+22	2,486889E+22	2,568941E+22	2,568982E+22	2,486959E+22	2,298520E+22	2,011873E+22	1,703837E+22	1,499249E+22	1,499239E+22	1,703816E+22	2,011866E+22

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	2,298541E+22	2,487005E+22	2,569061E+22	2,569070E+22	2,487021E+22	2,298526E+22	2,011823E+22	1,703774E+22	1,499202E+22	1,499214E+22	1,703811E+22	2,011866E+22
2150	2,298528E+22	2,486968E+22	2,568987E+22	2,568938E+22	2,486900E+22	2,298498E+22	2,011849E+22	1,703790E+22	1,499185E+22	1,499172E+22	1,703757E+22	2,011810E+22
2151	2,298472E+22	2,486923E+22	2,569008E+22	2,569039E+22	2,486988E+22	2,298544E+22	2,011870E+22	1,703786E+22	1,499165E+22	1,499147E+22	1,703739E+22	2,011825E+22
2152	2,298546E+22	2,487034E+22	2,569095E+22	2,569088E+22	2,486992E+22	2,298479E+22	2,011789E+22	1,703734E+22	1,499141E+22	1,499147E+22	1,703752E+22	2,011809E+22
2153	2,298473E+22	2,486921E+22	2,568955E+22	2,568953E+22	2,486938E+22	2,298500E+22	2,011826E+22	1,703764E+22	1,499157E+22	1,499145E+22	1,703739E+22	2,011798E+22
2154	2,298466E+22	2,486932E+22	2,569025E+22	2,569060E+22	2,487038E+22	2,298580E+22	2,011847E+22	1,703731E+22	1,499118E+22	1,499130E+22	1,703757E+22	2,011853E+22
2155	2,298546E+22	2,486995E+22	2,569040E+22	2,569015E+22	2,486934E+22	2,298480E+22	2,011810E+22	1,703733E+22	1,499121E+22	1,499124E+22	1,703741E+22	2,011823E+22
2156	2,298500E+22	2,486921E+22	2,568934E+22	2,568945E+22	2,486925E+22	2,298493E+22	2,011840E+22	1,703782E+22	1,499165E+22	1,499144E+22	1,703736E+22	2,011817E+22
2157	2,298530E+22	2,487024E+22	2,569083E+22	2,569070E+22	2,487012E+22	2,298518E+22	2,011807E+22	1,703749E+22	1,499168E+22	1,499175E+22	1,703774E+22	2,011836E+22
2158	2,298519E+22	2,486989E+22	2,569034E+22	2,568978E+22	2,486898E+22	2,298465E+22	2,011816E+22	1,703777E+22	1,499198E+22	1,499200E+22	1,703781E+22	2,011813E+22
2159	2,298448E+22	2,486884E+22	2,568978E+22	2,569030E+22	2,486984E+22	2,298530E+22	2,011869E+22	1,703820E+22	1,499232E+22	1,499225E+22	1,703801E+22	2,011849E+22
2160	2,298529E+22	2,486996E+22	2,569065E+22	2,569085E+22	2,487018E+22	2,298517E+22	2,011833E+22	1,703804E+22	1,499248E+22	1,499268E+22	1,703855E+22	2,011872E+22
2161	2,298491E+22	2,486904E+22	2,568922E+22	2,568909E+22	2,486895E+22	2,298498E+22	2,011883E+22	1,703879E+22	1,499312E+22	1,499301E+22	1,703852E+22	2,011854E+22
2162	2,298471E+22	2,486898E+22	2,568964E+22	2,568991E+22	2,486981E+22	2,298574E+22	2,011925E+22	1,703891E+22	1,499322E+22	1,499316E+22	1,703869E+22	2,011887E+22
2163	2,298541E+22	2,486992E+22	2,569036E+22	2,569001E+22	2,486907E+22	2,298465E+22	2,011864E+22	1,703884E+22	1,499343E+22	1,499345E+22	1,703885E+22	2,011865E+22
2164	2,298478E+22	2,486892E+22	2,568908E+22	2,568904E+22	2,486873E+22	2,298462E+22	2,011876E+22	1,703916E+22	1,499376E+22	1,499362E+22	1,703887E+22	2,011865E+22
2165	2,298488E+22	2,486946E+22	2,569027E+22	2,569044E+22	2,486998E+22	2,298530E+22	2,011862E+22	1,703866E+22	1,499340E+22	1,499354E+22	1,703907E+22	2,011903E+22
2166	2,298522E+22	2,486949E+22	2,568991E+22	2,568965E+22	2,486891E+22	2,298468E+22	2,011855E+22	1,703860E+22	1,499316E+22	1,499326E+22	1,703882E+22	2,011875E+22
2167	2,298473E+22	2,486864E+22	2,568910E+22	2,568958E+22	2,486936E+22	2,298513E+22	2,011893E+22	1,703879E+22	1,499303E+22	1,499283E+22	1,703836E+22	2,011864E+22
2168	2,298537E+22	2,487008E+22	2,569060E+22	2,569053E+22	2,486994E+22	2,298519E+22	2,011847E+22	1,703824E+22	1,499266E+22	1,499273E+22	1,703844E+22	2,011859E+22
2169	2,298496E+22	2,486939E+22	2,568973E+22	2,568928E+22	2,486867E+22	2,298467E+22	2,011855E+22	1,703845E+22	1,499272E+22	1,499257E+22	1,703807E+22	2,011814E+22
2170	2,298446E+22	2,486888E+22	2,568972E+22	2,569015E+22	2,486982E+22	2,298551E+22	2,011886E+22	1,703831E+22	1,499241E+22	1,499229E+22	1,703794E+22	2,011830E+22
2171	2,298509E+22	2,486985E+22	2,569053E+22	2,569063E+22	2,486982E+22	2,298490E+22	2,011820E+22	1,703787E+22	1,499219E+22	1,499228E+22	1,703808E+22	2,011833E+22
2172	2,298471E+22	2,486892E+22	2,568906E+22	2,568907E+22	2,486897E+22	2,298479E+22	2,011836E+22	1,703808E+22	1,499227E+22	1,499219E+22	1,703797E+22	2,011837E+22
2173	2,298486E+22	2,486933E+22	2,569000E+22	2,569022E+22	2,486996E+22	2,298551E+22	2,011856E+22	1,703791E+22	1,499204E+22	1,499205E+22	1,703799E+22	2,011864E+22
2174	2,298542E+22	2,486987E+22	2,569021E+22	2,568985E+22	2,486895E+22	2,298459E+22	2,011826E+22	1,703791E+22	1,499211E+22	1,499215E+22	1,703799E+22	2,011838E+22
2175	2,298484E+22	2,486900E+22	2,568929E+22	2,568948E+22	2,486904E+22	2,298469E+22	2,011845E+22	1,703826E+22	1,499241E+22	1,499224E+22	1,703786E+22	2,011823E+22
2176	2,298508E+22	2,487004E+22	2,569080E+22	2,569077E+22	2,487009E+22	2,298514E+22	2,011823E+22	1,703796E+22	1,499246E+22	1,499266E+22	1,703846E+22	2,011858E+22
2177	2,298488E+22	2,486935E+22	2,568991E+22	2,568964E+22	2,486891E+22	2,298467E+22	2,011838E+22	1,703836E+22	1,499292E+22	1,499300E+22	1,703858E+22	2,011851E+22
2178	2,298450E+22	2,486852E+22	2,568915E+22	2,568972E+22	2,486966E+22	2,298556E+22	2,011914E+22	1,703884E+22	1,499316E+22	1,499308E+22	1,703856E+22	2,011865E+22
2179	2,298518E+22	2,486971E+22	2,569021E+22	2,569032E+22	2,486975E+22	2,298514E+22	2,011879E+22	1,703888E+22	1,499349E+22	1,499354E+22	1,703898E+22	2,011882E+22
2180	2,298493E+22	2,486899E+22	2,568896E+22	2,568863E+22	2,486833E+22	2,298452E+22	2,011886E+22	1,703939E+22	1,499409E+22	1,499393E+22	1,703908E+22	2,011869E+22
2181	2,298467E+22	2,486894E+22	2,568959E+22	2,568974E+22	2,486936E+22	2,298524E+22	2,011918E+22	1,703949E+22	1,499420E+22	1,499411E+22	1,703926E+22	2,011890E+22
2182	2,298508E+22	2,486955E+22	2,569012E+22	2,568991E+22	2,486891E+22	2,298448E+22	2,011867E+22	1,703929E+22	1,499426E+22	1,499440E+22	1,703959E+22	2,011893E+22
2183	2,298455E+22	2,486846E+22	2,568879E+22	2,568897E+22	2,486869E+22	2,298461E+22	2,011883E+22	1,703943E+22	1,499429E+22	1,499424E+22	1,703936E+22	2,011888E+22
2184	2,298485E+22	2,486929E+22	2,569005E+22	2,569025E+22	2,486985E+22	2,298539E+22	2,011893E+22	1,703909E+22	1,499394E+22	1,499413E+22	1,703954E+22	2,011920E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙ / Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2185	2,298514E+22	2,486924E+22	2,568958E+22	2,568937E+22	2,486864E+22	2,298457E+22	2,011880E+22	1,703921E+22	1,499396E+22	1,499395E+22	1,703921E+22	2,011885E+22
2186	2,298472E+22	2,486858E+22	2,568880E+22	2,568915E+22	2,486913E+22	2,298521E+22	2,011923E+22	1,703936E+22	1,499380E+22	1,499353E+22	1,703867E+22	2,011848E+22
2187	2,298499E+22	2,486982E+22	2,569048E+22	2,569041E+22	2,486972E+22	2,298510E+22	2,011875E+22	1,703889E+22	1,499353E+22	1,499353E+22	1,703887E+22	2,011860E+22
2188	2,298472E+22	2,486905E+22	2,568942E+22	2,568910E+22	2,486843E+22	2,298434E+22	2,011846E+22	1,703882E+22	1,499348E+22	1,499343E+22	1,703876E+22	2,011848E+22
2189	2,298440E+22	2,486857E+22	2,568932E+22	2,568985E+22	2,486960E+22	2,298533E+22	2,011892E+22	1,703874E+22	1,499315E+22	1,499309E+22	1,703857E+22	2,011861E+22
2190	2,298504E+22	2,486952E+22	2,569003E+22	2,569016E+22	2,486948E+22	2,298484E+22	2,011844E+22	1,703836E+22	1,499288E+22	1,499304E+22	1,703872E+22	2,011871E+22
2191	2,298479E+22	2,486880E+22	2,568882E+22	2,568873E+22	2,486856E+22	2,298454E+22	2,011844E+22	1,703848E+22	1,499288E+22	1,499277E+22	1,703832E+22	2,011848E+22
2192	2,298493E+22	2,486949E+22	2,569013E+22	2,569012E+22	2,486964E+22	2,298528E+22	2,011867E+22	1,703835E+22	1,499275E+22	1,499281E+22	1,703847E+22	2,011866E+22
2193	2,298517E+22	2,486967E+22	2,569017E+22	2,568988E+22	2,486877E+22	2,298431E+22	2,011828E+22	1,703844E+22	1,499301E+22	1,499306E+22	1,703858E+22	2,011849E+22
2194	2,298461E+22	2,486868E+22	2,568894E+22	2,568929E+22	2,486912E+22	2,298489E+22	2,011870E+22	1,703878E+22	1,499324E+22	1,499310E+22	1,703842E+22	2,011828E+22
2195	2,298468E+22	2,486952E+22	2,569039E+22	2,569057E+22	2,487008E+22	2,298539E+22	2,011873E+22	1,703868E+22	1,499335E+22	1,499350E+22	1,703898E+22	2,011878E+22
2196	2,298482E+22	2,486898E+22	2,568933E+22	2,568912E+22	2,486851E+22	2,298450E+22	2,011865E+22	1,703905E+22	1,499384E+22	1,499390E+22	1,703921E+22	2,011882E+22
2197	2,298457E+22	2,486841E+22	2,568876E+22	2,568918E+22	2,486914E+22	2,298528E+22	2,011940E+22	1,703966E+22	1,499424E+22	1,499403E+22	1,703910E+22	2,011875E+22
2198	2,298500E+22	2,486949E+22	2,568992E+22	2,568988E+22	2,486924E+22	2,298487E+22	2,011898E+22	1,703957E+22	1,499454E+22	1,499462E+22	1,703970E+22	2,011901E+22
2199	2,298470E+22	2,486872E+22	2,568888E+22	2,568852E+22	2,486797E+22	2,298412E+22	2,011880E+22	1,703981E+22	1,499490E+22	1,499481E+22	1,703969E+22	2,011888E+22
2200	2,298453E+22	2,486877E+22	2,568955E+22	2,568976E+22	2,486927E+22	2,298506E+22	2,011917E+22	1,703981E+22	1,499491E+22	1,499500E+22	1,704000E+22	2,011920E+22
2201	2,298491E+22	2,486912E+22	2,568973E+22	2,568974E+22	2,486884E+22	2,298445E+22	2,011880E+22	1,703971E+22	1,499499E+22	1,499521E+22	1,704024E+22	2,011933E+22
2202	2,298466E+22	2,486830E+22	2,568833E+22	2,568850E+22	2,486859E+22	2,298484E+22	2,011922E+22	1,703995E+22	1,499491E+22	1,499481E+22	1,703970E+22	2,011894E+22
2203	2,298474E+22	2,486916E+22	2,568987E+22	2,568995E+22	2,486957E+22	2,298539E+22	2,011937E+22	1,703981E+22	1,499474E+22	1,499472E+22	1,703974E+22	2,011916E+22
2204	2,298505E+22	2,486915E+22	2,568943E+22	2,568911E+22	2,486826E+22	2,298422E+22	2,011885E+22	1,703974E+22	1,499478E+22	1,499472E+22	1,703962E+22	2,011885E+22
2205	2,298451E+22	2,486843E+22	2,568871E+22	2,568902E+22	2,486887E+22	2,298488E+22	2,011926E+22	1,703991E+22	1,499465E+22	1,499437E+22	1,703918E+22	2,011847E+22
2206	2,298453E+22	2,486926E+22	2,569006E+22	2,569019E+22	2,486964E+22	2,298506E+22	2,011887E+22	1,703932E+22	1,499429E+22	1,499442E+22	1,703959E+22	2,011891E+22
2207	2,298448E+22	2,486855E+22	2,568902E+22	2,568885E+22	2,486827E+22	2,298428E+22	2,011856E+22	1,703912E+22	1,499400E+22	1,499404E+22	1,703929E+22	2,011883E+22
2208	2,298451E+22	2,486847E+22	2,568907E+22	2,568951E+22	2,486927E+22	2,298518E+22	2,011910E+22	1,703915E+22	1,499372E+22	1,499373E+22	1,703910E+22	2,011888E+22
2209	2,298508E+22	2,486938E+22	2,568975E+22	2,568978E+22	2,486909E+22	2,298461E+22	2,011859E+22	1,703892E+22	1,499367E+22	1,499379E+22	1,703920E+22	2,011892E+22
2210	2,298489E+22	2,486888E+22	2,568869E+22	2,568839E+22	2,486833E+22	2,298451E+22	2,011863E+22	1,703897E+22	1,499360E+22	1,499347E+22	1,703868E+22	2,011839E+22
2211	2,298460E+22	2,486930E+22	2,569013E+22	2,569011E+22	2,486950E+22	2,298516E+22	2,011890E+22	1,703898E+22	1,499362E+22	1,499360E+22	1,703889E+22	2,011870E+22
2212	2,298495E+22	2,486931E+22	2,568988E+22	2,568977E+22	2,486870E+22	2,298413E+22	2,011830E+22	1,703890E+22	1,499386E+22	1,499398E+22	1,703924E+22	2,011876E+22
2213	2,298451E+22	2,486836E+22	2,568855E+22	2,568895E+22	2,486893E+22	2,298484E+22	2,011898E+22	1,703943E+22	1,499414E+22	1,499400E+22	1,703905E+22	2,011849E+22
2214	2,298447E+22	2,486905E+22	2,568981E+22	2,569003E+22	2,486974E+22	2,298537E+22	2,011914E+22	1,703944E+22	1,499431E+22	1,499444E+22	1,703965E+22	2,011906E+22
2215	2,298471E+22	2,486874E+22	2,568906E+22	2,568870E+22	2,486802E+22	2,298418E+22	2,011880E+22	1,703966E+22	1,499472E+22	1,499472E+22	1,703970E+22	2,011896E+22
2216	2,298452E+22	2,486840E+22	2,568878E+22	2,568896E+22	2,486869E+22	2,298489E+22	2,011944E+22	1,704019E+22	1,499516E+22	1,499504E+22	1,703978E+22	2,011885E+22
2217	2,298471E+22	2,486915E+22	2,568973E+22	2,568976E+22	2,486899E+22	2,298455E+22	2,011898E+22	1,704010E+22	1,499550E+22	1,499566E+22	1,704046E+22	2,011929E+22
2218	2,298457E+22	2,486842E+22	2,568852E+22	2,568828E+22	2,486803E+22	2,298427E+22	2,011895E+22	1,704022E+22	1,499562E+22	1,499563E+22	1,704029E+22	2,011906E+22
2219	2,298431E+22	2,486840E+22	2,568925E+22	2,568959E+22	2,486925E+22	2,298522E+22	2,011957E+22	1,704043E+22	1,499566E+22	1,499568E+22	1,704043E+22	2,011946E+22
2220	2,298500E+22	2,486890E+22	2,568931E+22	2,568936E+22	2,486860E+22	2,298432E+22	2,011901E+22	1,704029E+22	1,499576E+22	1,499591E+22	1,704069E+22	2,011954E+22

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	2,298474E+22	2,486829E+22	2,568813E+22	2,568812E+22	2,486823E+22	2,298466E+22	2,011950E+22	1,704067E+22	1,499580E+22	1,499556E+22	1,704008E+22	2,011890E+22
2222	2,298444E+22	2,486887E+22	2,568966E+22	2,568966E+22	2,486924E+22	2,298525E+22	2,011962E+22	1,704045E+22	1,499563E+22	1,499560E+22	1,704029E+22	2,011921E+22
2223	2,298468E+22	2,486878E+22	2,568932E+22	2,568900E+22	2,486799E+22	2,298392E+22	2,011882E+22	1,704013E+22	1,499548E+22	1,499547E+22	1,704016E+22	2,011902E+22
2224	2,298433E+22	2,486816E+22	2,568854E+22	2,568888E+22	2,486876E+22	2,298476E+22	2,011925E+22	1,704018E+22	1,499529E+22	1,499520E+22	1,703988E+22	2,011880E+22
2225	2,298442E+22	2,486881E+22	2,568954E+22	2,568978E+22	2,486943E+22	2,298498E+22	2,011898E+22	1,703970E+22	1,499492E+22	1,499514E+22	1,704021E+22	2,011935E+22
2226	2,298470E+22	2,486845E+22	2,568855E+22	2,568825E+22	2,486801E+22	2,298432E+22	2,011881E+22	1,703957E+22	1,499456E+22	1,499454E+22	1,703960E+22	2,011894E+22
2227	2,298453E+22	2,486849E+22	2,568905E+22	2,568927E+22	2,486894E+22	2,298499E+22	2,011933E+22	1,703976E+22	1,499447E+22	1,499428E+22	1,703928E+22	2,011889E+22
2228	2,298508E+22	2,486936E+22	2,568973E+22	2,568962E+22	2,486875E+22	2,298418E+22	2,011852E+22	1,703937E+22	1,499446E+22	1,499456E+22	1,703962E+22	2,011893E+22
2229	2,298468E+22	2,486875E+22	2,568872E+22	2,568838E+22	2,486818E+22	2,298428E+22	2,011873E+22	1,703955E+22	1,499446E+22	1,499432E+22	1,703920E+22	2,011836E+22
2230	2,298409E+22	2,486869E+22	2,568976E+22	2,568996E+22	2,486952E+22	2,298527E+22	2,011918E+22	1,703956E+22	1,499448E+22	1,499453E+22	1,703958E+22	2,011890E+22
2231	2,298459E+22	2,486876E+22	2,568947E+22	2,568947E+22	2,486856E+22	2,298416E+22	2,011856E+22	1,703944E+22	1,499461E+22	1,499475E+22	1,703981E+22	2,011903E+22
2232	2,298448E+22	2,486813E+22	2,568823E+22	2,568853E+22	2,486861E+22	2,298475E+22	2,011926E+22	1,704006E+22	1,499503E+22	1,499492E+22	1,703969E+22	2,011872E+22
2233	2,298438E+22	2,486872E+22	2,568935E+22	2,568949E+22	2,486929E+22	2,298515E+22	2,011936E+22	1,704017E+22	1,499537E+22	1,499545E+22	1,704033E+22	2,011935E+22
2234	2,298473E+22	2,486863E+22	2,568877E+22	2,568827E+22	2,486771E+22	2,298406E+22	2,011898E+22	1,704028E+22	1,499565E+22	1,499565E+22	1,704030E+22	2,011907E+22
2235	2,298429E+22	2,486816E+22	2,568873E+22	2,568891E+22	2,486848E+22	2,298464E+22	2,011956E+22	1,704082E+22	1,499610E+22	1,499595E+22	1,704040E+22	2,011915E+22
2236	2,298467E+22	2,486881E+22	2,568941E+22	2,568956E+22	2,486886E+22	2,298436E+22	2,011895E+22	1,704051E+22	1,499632E+22	1,499659E+22	1,704120E+22	2,011971E+22
2237	2,298466E+22	2,486828E+22	2,568826E+22	2,568797E+22	2,486782E+22	2,298425E+22	2,011925E+22	1,704080E+22	1,499638E+22	1,499639E+22	1,704082E+22	2,011927E+22
2238	2,298423E+22	2,486812E+22	2,568886E+22	2,568916E+22	2,486897E+22	2,298523E+22	2,011995E+22	1,704112E+22	1,499649E+22	1,499642E+22	1,704088E+22	2,011957E+22
2239	2,298487E+22	2,486879E+22	2,568924E+22	2,568909E+22	2,486826E+22	2,298411E+22	2,011914E+22	1,704083E+22	1,499652E+22	1,499656E+22	1,704098E+22	2,011951E+22
2240	2,298459E+22	2,486824E+22	2,568822E+22	2,568804E+22	2,486794E+22	2,298437E+22	2,011951E+22	1,704111E+22	1,499661E+22	1,499642E+22	1,704059E+22	2,011887E+22
2241	2,298402E+22	2,486833E+22	2,568931E+22	2,568950E+22	2,486910E+22	2,298508E+22	2,011966E+22	1,704093E+22	1,499645E+22	1,499648E+22	1,704094E+22	2,011945E+22
2242	2,298449E+22	2,486834E+22	2,568883E+22	2,568867E+22	2,486801E+22	2,298407E+22	2,011898E+22	1,704048E+22	1,499607E+22	1,499613E+22	1,704067E+22	2,011921E+22
2243	2,298417E+22	2,486778E+22	2,568819E+22	2,568856E+22	2,486852E+22	2,298474E+22	2,011953E+22	1,704071E+22	1,499592E+22	1,499575E+22	1,704026E+22	2,011911E+22
2244	2,298461E+22	2,486866E+22	2,568914E+22	2,568929E+22	2,486902E+22	2,298471E+22	2,011905E+22	1,704018E+22	1,499562E+22	1,499579E+22	1,704062E+22	2,011957E+22
2245	2,298487E+22	2,486859E+22	2,568852E+22	2,568793E+22	2,486757E+22	2,298405E+22	2,011895E+22	1,704014E+22	1,499532E+22	1,499523E+22	1,703993E+22	2,011889E+22
2246	2,298428E+22	2,486829E+22	2,568898E+22	2,568914E+22	2,486869E+22	2,298482E+22	2,011946E+22	1,704032E+22	1,499530E+22	1,499511E+22	1,703979E+22	2,011890E+22
2247	2,298469E+22	2,486904E+22	2,568973E+22	2,568967E+22	2,486868E+22	2,298399E+22	2,011848E+22	1,703975E+22	1,499516E+22	1,499530E+22	1,704013E+22	2,011907E+22
2248	2,298446E+22	2,486839E+22	2,568854E+22	2,568832E+22	2,486819E+22	2,298430E+22	2,011882E+22	1,703991E+22	1,499522E+22	1,499525E+22	1,703991E+22	2,011863E+22
2249	2,298388E+22	2,486807E+22	2,568911E+22	2,568949E+22	2,486934E+22	2,298536E+22	2,011952E+22	1,704018E+22	1,499533E+22	1,499541E+22	1,704026E+22	2,011929E+22
2250	2,298468E+22	2,486851E+22	2,568890E+22	2,568882E+22	2,486825E+22	2,298423E+22	2,011894E+22	1,704013E+22	1,499547E+22	1,499552E+22	1,704027E+22	2,011916E+22
2251	2,298441E+22	2,486802E+22	2,568810E+22	2,568817E+22	2,486813E+22	2,298450E+22	2,011952E+22	1,704084E+22	1,499605E+22	1,499576E+22	1,704013E+22	2,011889E+22
2252	2,298441E+22	2,486858E+22	2,568916E+22	2,568918E+22	2,486883E+22	2,298469E+22	2,011929E+22	1,704073E+22	1,499638E+22	1,499649E+22	1,704101E+22	2,011956E+22
2253	2,298467E+22	2,486848E+22	2,568869E+22	2,568814E+22	2,486746E+22	2,298380E+22	2,011906E+22	1,704086E+22	1,499658E+22	1,499662E+22	1,704097E+22	2,011925E+22
2254	2,298401E+22	2,486770E+22	2,568839E+22	2,568874E+22	2,486845E+22	2,298470E+22	2,011978E+22	1,704136E+22	1,499695E+22	1,499687E+22	1,704110E+22	2,011945E+22
2255	2,298451E+22	2,486849E+22	2,568917E+22	2,568928E+22	2,486865E+22	2,298433E+22	2,011917E+22	1,704102E+22	1,499701E+22	1,499727E+22	1,704167E+22	2,011993E+22
2256	2,298471E+22	2,486820E+22	2,568814E+22	2,568773E+22	2,486757E+22	2,298420E+22	2,011949E+22	1,704138E+22	1,499722E+22	1,499722E+22	1,704129E+22	2,011934E+22

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	2,298406E+22	2,486783E+22	2,568854E+22	2,568880E+22	2,486865E+22	2,298512E+22	2,012020E+22	1,704178E+22	1,499743E+22	1,499729E+22	1,704136E+22	2,011962E+22
2258	2,298469E+22	2,486856E+22	2,568895E+22	2,568878E+22	2,486805E+22	2,298406E+22	2,011933E+22	1,704140E+22	1,499734E+22	1,499734E+22	1,704143E+22	2,011946E+22
2259	2,298421E+22	2,486784E+22	2,568807E+22	2,568800E+22	2,486780E+22	2,298423E+22	2,011963E+22	1,704165E+22	1,499742E+22	1,499718E+22	1,704112E+22	2,011915E+22
2260	2,298395E+22	2,486786E+22	2,568877E+22	2,568912E+22	2,486887E+22	2,298491E+22	2,011963E+22	1,704125E+22	1,499713E+22	1,499728E+22	1,704160E+22	2,011987E+22
2261	2,298464E+22	2,486817E+22	2,568846E+22	2,568822E+22	2,486761E+22	2,298396E+22	2,011923E+22	1,704098E+22	1,499669E+22	1,499677E+22	1,704114E+22	2,011945E+22
2262	2,298420E+22	2,486762E+22	2,568789E+22	2,568817E+22	2,486813E+22	2,298458E+22	2,011971E+22	1,704123E+22	1,499663E+22	1,499638E+22	1,704065E+22	2,011920E+22
2263	2,298454E+22	2,486869E+22	2,568922E+22	2,568909E+22	2,486860E+22	2,298438E+22	2,011901E+22	1,704055E+22	1,499626E+22	1,499637E+22	1,704089E+22	2,011952E+22
2264	2,298474E+22	2,486859E+22	2,568873E+22	2,568805E+22	2,486743E+22	2,298383E+22	2,011889E+22	1,704045E+22	1,499605E+22	1,499605E+22	1,704040E+22	2,011883E+22
2265	2,298386E+22	2,486777E+22	2,568867E+22	2,568908E+22	2,486872E+22	2,298484E+22	2,011957E+22	1,704077E+22	1,499608E+22	1,499595E+22	1,704038E+22	2,011907E+22
2266	2,298446E+22	2,486854E+22	2,568918E+22	2,568938E+22	2,486880E+22	2,298431E+22	2,011881E+22	1,704024E+22	1,499586E+22	1,499601E+22	1,704062E+22	2,011922E+22
2267	2,298427E+22	2,486796E+22	2,568813E+22	2,568802E+22	2,486797E+22	2,298437E+22	2,011926E+22	1,704066E+22	1,499607E+22	1,499595E+22	1,704039E+22	2,011897E+22
2268	2,298401E+22	2,486778E+22	2,568852E+22	2,568887E+22	2,486883E+22	2,298513E+22	2,011973E+22	1,704089E+22	1,499632E+22	1,499634E+22	1,704087E+22	2,011957E+22
2269	2,298480E+22	2,486853E+22	2,568874E+22	2,568836E+22	2,486763E+22	2,298393E+22	2,011919E+22	1,704087E+22	1,499649E+22	1,499650E+22	1,704087E+22	2,011926E+22
2270	2,298422E+22	2,486780E+22	2,568795E+22	2,568795E+22	2,486772E+22	2,298418E+22	2,011959E+22	1,704147E+22	1,499708E+22	1,499683E+22	1,704087E+22	2,011907E+22
2271	2,298417E+22	2,486836E+22	2,568914E+22	2,568913E+22	2,486862E+22	2,298439E+22	2,011918E+22	1,704112E+22	1,499719E+22	1,499740E+22	1,704168E+22	2,011985E+22
2272	2,298463E+22	2,486829E+22	2,568859E+22	2,568812E+22	2,486742E+22	2,298376E+22	2,011906E+22	1,704118E+22	1,499734E+22	1,499756E+22	1,704165E+22	2,011952E+22
2273	2,298392E+22	2,486728E+22	2,568788E+22	2,568836E+22	2,486827E+22	2,298479E+22	2,012011E+22	1,704196E+22	1,499776E+22	1,499766E+22	1,704165E+22	2,011971E+22
2274	2,298457E+22	2,486834E+22	2,568877E+22	2,568886E+22	2,486847E+22	2,298443E+22	2,011954E+22	1,704168E+22	1,499781E+22	1,499792E+22	1,704195E+22	2,011986E+22
2275	2,298448E+22	2,486803E+22	2,568809E+22	2,568759E+22	2,486724E+22	2,298403E+22	2,011976E+22	1,704211E+22	1,499816E+22	1,499796E+22	1,704166E+22	2,011936E+22
2276	2,298385E+22	2,486745E+22	2,568820E+22	2,568854E+22	2,486832E+22	2,298482E+22	2,012022E+22	1,704233E+22	1,499837E+22	1,499826E+22	1,704199E+22	2,011973E+22
2277	2,298445E+22	2,486822E+22	2,568868E+22	2,568857E+22	2,486781E+22	2,298394E+22	2,011949E+22	1,704191E+22	1,499814E+22	1,499823E+22	1,704206E+22	2,011963E+22
2278	2,298391E+22	2,486729E+22	2,568757E+22	2,568768E+22	2,486762E+22	2,298424E+22	2,011982E+22	1,704211E+22	1,499814E+22	1,499798E+22	1,704175E+22	2,011944E+22
2279	2,298391E+22	2,486765E+22	2,568846E+22	2,568871E+22	2,486848E+22	2,298473E+22	2,011971E+22	1,704163E+22	1,499769E+22	1,499784E+22	1,704201E+22	2,012013E+22
2280	2,298482E+22	2,486824E+22	2,568837E+22	2,568799E+22	2,486730E+22	2,298376E+22	2,011925E+22	1,704134E+22	1,499736E+22	1,499746E+22	1,704153E+22	2,011952E+22
2281	2,298413E+22	2,486749E+22	2,568770E+22	2,568792E+22	2,486784E+22	2,298443E+22	2,011984E+22	1,704170E+22	1,499735E+22	1,499710E+22	1,704108E+22	2,011927E+22
2282	2,298442E+22	2,486854E+22	2,568908E+22	2,568902E+22	2,486853E+22	2,298435E+22	2,011914E+22	1,704099E+22	1,499693E+22	1,499702E+22	1,704126E+22	2,011946E+22
2283	2,298438E+22	2,486824E+22	2,568864E+22	2,568818E+22	2,486745E+22	2,298384E+22	2,011906E+22	1,704096E+22	1,499679E+22	1,499674E+22	1,704090E+22	2,011909E+22
2284	2,298377E+22	2,486728E+22	2,568806E+22	2,568869E+22	2,486857E+22	2,298486E+22	2,011975E+22	1,704123E+22	1,499686E+22	1,499680E+22	1,704102E+22	2,011939E+22
2285	2,298451E+22	2,486832E+22	2,568872E+22	2,568884E+22	2,486834E+22	2,298430E+22	2,011927E+22	1,704095E+22	1,499669E+22	1,499679E+22	1,704114E+22	2,011941E+22
2286	2,298422E+22	2,486774E+22	2,568776E+22	2,568757E+22	2,486749E+22	2,298417E+22	2,011953E+22	1,704140E+22	1,499706E+22	1,499685E+22	1,704092E+22	2,011908E+22
2287	2,298392E+22	2,486779E+22	2,568850E+22	2,568854E+22	2,486821E+22	2,298464E+22	2,011967E+22	1,704140E+22	1,499722E+22	1,499722E+22	1,704139E+22	2,011966E+22
2288	2,298469E+22	2,486848E+22	2,568882E+22	2,568839E+22	2,486740E+22	2,298359E+22	2,011906E+22	1,704126E+22	1,499741E+22	1,499757E+22	1,704157E+22	2,011938E+22
2289	2,298390E+22	2,486735E+22	2,568764E+22	2,568786E+22	2,486769E+22	2,298414E+22	2,011965E+22	1,704189E+22	1,499790E+22	1,499778E+22	1,704160E+22	2,011937E+22
2290	2,298405E+22	2,486796E+22	2,568864E+22	2,568888E+22	2,486863E+22	2,298459E+22	2,011948E+22	1,704161E+22	1,499791E+22	1,499813E+22	1,704217E+22	2,012001E+22
2291	2,298449E+22	2,486799E+22	2,568830E+22	2,568797E+22	2,486730E+22	2,298386E+22	2,011951E+22	1,704192E+22	1,499819E+22	1,499823E+22	1,704208E+22	2,011977E+22
2292	2,298397E+22	2,486703E+22	2,568739E+22	2,568786E+22	2,486791E+22	2,298467E+22	2,012037E+22	1,704267E+22	1,499876E+22	1,499857E+22	1,704216E+22	2,011980E+22

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	2,298449E+22	2,486825E+22	2,568860E+22	2,568850E+22	2,486797E+22	2,298428E+22	2,011992E+22	1,704245E+22	1,499882E+22	1,499886E+22	1,704248E+22	2,011985E+22
2294	2,298411E+22	2,486762E+22	2,568784E+22	2,568744E+22	2,486695E+22	2,298380E+22	2,011992E+22	1,704275E+22	1,499915E+22	1,499898E+22	1,704235E+22	2,011949E+22
2295	2,298355E+22	2,486710E+22	2,568792E+22	2,568829E+22	2,486803E+22	2,298455E+22	2,012014E+22	1,704266E+22	1,499909E+22	1,499911E+22	1,704267E+22	2,012007E+22
2296	2,298443E+22	2,486798E+22	2,568837E+22	2,568833E+22	2,486763E+22	2,298385E+22	2,011949E+22	1,704216E+22	1,499879E+22	1,499905E+22	1,704271E+22	2,011997E+22
2297	2,298395E+22	2,486704E+22	2,568707E+22	2,568719E+22	2,486729E+22	2,298417E+22	2,012001E+22	1,704254E+22	1,499875E+22	1,499860E+22	1,704222E+22	2,011974E+22
2298	2,298410E+22	2,486769E+22	2,568822E+22	2,568837E+22	2,486818E+22	2,298461E+22	2,011988E+22	1,704208E+22	1,499830E+22	1,499832E+22	1,704220E+22	2,012006E+22
2299	2,298470E+22	2,486827E+22	2,568852E+22	2,568808E+22	2,486710E+22	2,298355E+22	2,011937E+22	1,704184E+22	1,499805E+22	1,499800E+22	1,704179E+22	2,011953E+22
2300	2,298395E+22	2,486723E+22	2,568749E+22	2,568785E+22	2,486770E+22	2,298425E+22	2,011986E+22	1,704212E+22	1,499811E+22	1,499790E+22	1,704158E+22	2,011931E+22
2301	2,298414E+22	2,486823E+22	2,568887E+22	2,568890E+22	2,486842E+22	2,298444E+22	2,011948E+22	1,704151E+22	1,499764E+22	1,499778E+22	1,704178E+22	2,011954E+22
2302	2,298402E+22	2,486769E+22	2,568814E+22	2,568789E+22	2,486732E+22	2,298394E+22	2,011943E+22	1,704157E+22	1,499761E+22	1,499757E+22	1,704149E+22	2,011928E+22
2303	2,298365E+22	2,486704E+22	2,568764E+22	2,568818E+22	2,486813E+22	2,298469E+22	2,011996E+22	1,704180E+22	1,499764E+22	1,499756E+22	1,704154E+22	2,011962E+22
2304	2,298457E+22	2,486830E+22	2,568853E+22	2,568851E+22	2,486794E+22	2,298403E+22	2,011930E+22	1,704145E+22	1,499761E+22	1,499775E+22	1,704171E+22	2,011952E+22
2305	2,298407E+22	2,486751E+22	2,568747E+22	2,568720E+22	2,486705E+22	2,298388E+22	2,011961E+22	1,704195E+22	1,499798E+22	1,499781E+22	1,704158E+22	2,011929E+22
2306	2,298382E+22	2,486760E+22	2,568831E+22	2,568845E+22	2,486805E+22	2,298442E+22	2,011971E+22	1,704186E+22	1,499802E+22	1,499807E+22	1,704196E+22	2,011979E+22
2307	2,298444E+22	2,486816E+22	2,568869E+22	2,568849E+22	2,486742E+22	2,298354E+22	2,011916E+22	1,704172E+22	1,499818E+22	1,499837E+22	1,704222E+22	2,011978E+22
2308	2,298389E+22	2,486694E+22	2,568709E+22	2,568748E+22	2,486753E+22	2,298419E+22	2,011990E+22	1,704240E+22	1,499871E+22	1,499866E+22	1,704227E+22	2,011972E+22
2309	2,298413E+22	2,486784E+22	2,568832E+22	2,568841E+22	2,486821E+22	2,298465E+22	2,012004E+22	1,704238E+22	1,499878E+22	1,499891E+22	1,704263E+22	2,012009E+22
2310	2,298434E+22	2,486776E+22	2,568801E+22	2,568763E+22	2,486694E+22	2,298374E+22	2,011987E+22	1,704275E+22	1,499925E+22	1,499917E+22	1,704255E+22	2,011971E+22
2311	2,298372E+22	2,486694E+22	2,568728E+22	2,568755E+22	2,486745E+22	2,298432E+22	2,012042E+22	1,704325E+22	1,499971E+22	1,499950E+22	1,704271E+22	2,011983E+22
2312	2,298420E+22	2,486798E+22	2,568849E+22	2,568846E+22	2,486780E+22	2,298401E+22	2,011985E+22	1,704288E+22	1,499975E+22	1,499991E+22	1,704319E+22	2,011999E+22
2313	2,298375E+22	2,486705E+22	2,568732E+22	2,568716E+22	2,486684E+22	2,298377E+22	2,012004E+22	1,704319E+22	1,499991E+22	1,499986E+22	1,704309E+22	2,011990E+22
2314	2,298352E+22	2,486673E+22	2,568740E+22	2,568792E+22	2,486786E+22	2,298454E+22	2,012037E+22	1,704310E+22	1,499969E+22	1,499971E+22	1,704313E+22	2,012032E+22
2315	2,298446E+22	2,486784E+22	2,568815E+22	2,568811E+22	2,486741E+22	2,298378E+22	2,011975E+22	1,704271E+22	1,499943E+22	1,499957E+22	1,704310E+22	2,012027E+22
2316	2,298410E+22	2,486701E+22	2,568680E+22	2,568678E+22	2,486692E+22	2,298397E+22	2,012012E+22	1,704301E+22	1,499948E+22	1,499931E+22	1,704263E+22	2,011982E+22
2317	2,298408E+22	2,486777E+22	2,568827E+22	2,568815E+22	2,486777E+22	2,298445E+22	2,012017E+22	1,704264E+22	1,499904E+22	1,499903E+22	1,704257E+22	2,011997E+22
2318	2,298433E+22	2,486795E+22	2,568843E+22	2,568817E+22	2,486708E+22	2,298343E+22	2,011951E+22	1,704238E+22	1,499886E+22	1,499882E+22	1,704230E+22	2,011953E+22
2319	2,298362E+22	2,486693E+22	2,568725E+22	2,568767E+22	2,486759E+22	2,298411E+22	2,011986E+22	1,704244E+22	1,499876E+22	1,499864E+22	1,704215E+22	2,011953E+22
2320	2,298398E+22	2,486787E+22	2,568848E+22	2,568864E+22	2,486830E+22	2,298444E+22	2,011962E+22	1,704191E+22	1,499835E+22	1,499858E+22	1,704236E+22	2,011978E+22
2321	2,298393E+22	2,486733E+22	2,568758E+22	2,568734E+22	2,486697E+22	2,298386E+22	2,011971E+22	1,704215E+22	1,499836E+22	1,499830E+22	1,704203E+22	2,011955E+22
2322	2,298371E+22	2,486693E+22	2,568731E+22	2,568772E+22	2,486767E+22	2,298439E+22	2,012009E+22	1,704235E+22	1,499843E+22	1,499826E+22	1,704191E+22	2,011964E+22
2323	2,298441E+22	2,486821E+22	2,568854E+22	2,568845E+22	2,486765E+22	2,298374E+22	2,011938E+22	1,704199E+22	1,499843E+22	1,499854E+22	1,704226E+22	2,011973E+22
2324	2,298392E+22	2,486723E+22	2,568720E+22	2,568702E+22	2,486688E+22	2,298365E+22	2,011958E+22	1,704236E+22	1,499882E+22	1,499877E+22	1,704228E+22	2,011952E+22
2325	2,298368E+22	2,486735E+22	2,568808E+22	2,568824E+22	2,486788E+22	2,298446E+22	2,012004E+22	1,704240E+22	1,499881E+22	1,499891E+22	1,704257E+22	2,011999E+22
2326	2,298423E+22	2,486772E+22	2,568827E+22	2,568827E+22	2,486736E+22	2,298364E+22	2,011957E+22	1,704242E+22	1,499906E+22	1,499921E+22	1,704277E+22	2,011994E+22
2327	2,298382E+22	2,486683E+22	2,568677E+22	2,568701E+22	2,486714E+22	2,298405E+22	2,012017E+22	1,704307E+22	1,499960E+22	1,499948E+22	1,704277E+22	2,011986E+22
2328	2,298406E+22	2,486774E+22	2,568816E+22	2,568814E+22	2,486788E+22	2,298446E+22	2,012021E+22	1,704305E+22	1,499983E+22	1,499992E+22	1,704318E+22	2,012011E+22

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	2,298404E+22	2,486744E+22	2,568771E+22	2,568729E+22	2,486659E+22	2,298353E+22	2,012009E+22	1,704343E+22	1,500027E+22	1,500020E+22	1,704325E+22	2,011990E+22
2330	2,298350E+22	2,486657E+22	2,568696E+22	2,568737E+22	2,486726E+22	2,298408E+22	2,012048E+22	1,704378E+22	1,500058E+22	1,500040E+22	1,704334E+22	2,012002E+22
2331	2,298396E+22	2,486758E+22	2,568820E+22	2,568836E+22	2,486776E+22	2,298397E+22	2,011995E+22	1,704331E+22	1,500046E+22	1,500069E+22	1,704389E+22	2,012049E+22
2332	2,298383E+22	2,486671E+22	2,568675E+22	2,568664E+22	2,486655E+22	2,298369E+22	2,012021E+22	1,704362E+22	1,500060E+22	1,500062E+22	1,704371E+22	2,012030E+22
2333	2,298375E+22	2,486679E+22	2,568723E+22	2,568746E+22	2,486735E+22	2,298441E+22	2,012074E+22	1,704370E+22	1,500038E+22	1,500031E+22	1,704347E+22	2,012041E+22
2334	2,298441E+22	2,486779E+22	2,568810E+22	2,568793E+22	2,486711E+22	2,298355E+22	2,011992E+22	1,704331E+22	1,500024E+22	1,500027E+22	1,704340E+22	2,012013E+22
2335	2,298389E+22	2,486705E+22	2,568691E+22	2,568668E+22	2,486664E+22	2,298365E+22	2,012008E+22	1,704339E+22	1,500018E+22	1,500002E+22	1,704303E+22	2,011977E+22
2336	2,298374E+22	2,486751E+22	2,568826E+22	2,568828E+22	2,486783E+22	2,298433E+22	2,012009E+22	1,704296E+22	1,499976E+22	1,499983E+22	1,704307E+22	2,011997E+22
2337	2,298387E+22	2,486732E+22	2,568790E+22	2,568789E+22	2,486711E+22	2,298356E+22	2,011974E+22	1,704281E+22	1,499952E+22	1,499955E+22	1,704289E+22	2,011981E+22
2338	2,298348E+22	2,486644E+22	2,568667E+22	2,568725E+22	2,486743E+22	2,298416E+22	2,012017E+22	1,704296E+22	1,499938E+22	1,499922E+22	1,704255E+22	2,011972E+22
2339	2,298392E+22	2,486759E+22	2,568811E+22	2,568828E+22	2,486804E+22	2,298434E+22	2,011988E+22	1,704251E+22	1,499908E+22	1,499921E+22	1,704283E+22	2,012010E+22
2340	2,298399E+22	2,486717E+22	2,568719E+22	2,568678E+22	2,486649E+22	2,298359E+22	2,011984E+22	1,704271E+22	1,499922E+22	1,499918E+22	1,704261E+22	2,011977E+22
2341	2,298372E+22	2,486695E+22	2,568732E+22	2,568742E+22	2,486713E+22	2,298408E+22	2,012030E+22	1,704294E+22	1,499928E+22	1,499912E+22	1,704247E+22	2,011974E+22
2342	2,298414E+22	2,486790E+22	2,568842E+22	2,568843E+22	2,486755E+22	2,298354E+22	2,011945E+22	1,704253E+22	1,499934E+22	1,499948E+22	1,704289E+22	2,011988E+22
2343	2,298377E+22	2,486706E+22	2,568700E+22	2,568679E+22	2,486674E+22	2,298354E+22	2,011961E+22	1,704272E+22	1,499954E+22	1,499960E+22	1,704292E+22	2,011984E+22
2344	2,298366E+22	2,486714E+22	2,568780E+22	2,568799E+22	2,486776E+22	2,298445E+22	2,012022E+22	1,704293E+22	1,499964E+22	1,499973E+22	1,704311E+22	2,012018E+22
2345	2,298414E+22	2,486744E+22	2,568783E+22	2,568781E+22	2,486709E+22	2,298362E+22	2,011995E+22	1,704318E+22	1,500000E+22	1,500004E+22	1,704328E+22	2,012010E+22
2346	2,298375E+22	2,486664E+22	2,568656E+22	2,568672E+22	2,486679E+22	2,298381E+22	2,012040E+22	1,704379E+22	1,500057E+22	1,500033E+22	1,704319E+22	2,011981E+22
2347	2,298372E+22	2,486742E+22	2,568808E+22	2,568811E+22	2,486772E+22	2,298427E+22	2,012036E+22	1,704370E+22	1,500077E+22	1,500085E+22	1,704386E+22	2,012032E+22
2348	2,298375E+22	2,486695E+22	2,568728E+22	2,568700E+22	2,486641E+22	2,298339E+22	2,012017E+22	1,704395E+22	1,500120E+22	1,500125E+22	1,704407E+22	2,012025E+22
2349	2,298338E+22	2,486625E+22	2,568661E+22	2,568693E+22	2,486692E+22	2,298408E+22	2,012081E+22	1,704433E+22	1,500137E+22	1,500126E+22	1,704400E+22	2,012034E+22
2350	2,298388E+22	2,486721E+22	2,568778E+22	2,568801E+22	2,486756E+22	2,298395E+22	2,012027E+22	1,704396E+22	1,500129E+22	1,500146E+22	1,704439E+22	2,012070E+22
2351	2,298395E+22	2,486678E+22	2,568657E+22	2,568621E+22	2,486613E+22	2,298342E+22	2,012025E+22	1,704407E+22	1,500130E+22	1,500128E+22	1,704411E+22	2,012044E+22
2352	2,298378E+22	2,486684E+22	2,568725E+22	2,568732E+22	2,486707E+22	2,298414E+22	2,012072E+22	1,704416E+22	1,500118E+22	1,500106E+22	1,704385E+22	2,012037E+22
2353	2,298413E+22	2,486753E+22	2,568795E+22	2,568782E+22	2,486699E+22	2,298343E+22	2,012004E+22	1,704379E+22	1,500097E+22	1,500101E+22	1,704388E+22	2,012020E+22
2354	2,298359E+22	2,486662E+22	2,568670E+22	2,568667E+22	2,486662E+22	2,298353E+22	2,012011E+22	1,704377E+22	1,500081E+22	1,500067E+22	1,704347E+22	2,011985E+22
2355	2,298341E+22	2,486698E+22	2,568790E+22	2,568816E+22	2,486790E+22	2,298447E+22	2,012031E+22	1,704336E+22	1,500032E+22	1,500045E+22	1,704364E+22	2,012034E+22
2356	2,298383E+22	2,486689E+22	2,568727E+22	2,568727E+22	2,486679E+22	2,298357E+22	2,012002E+22	1,704332E+22	1,500020E+22	1,500025E+22	1,704343E+22	2,012013E+22
2357	2,298363E+22	2,486642E+22	2,568640E+22	2,568661E+22	2,486679E+22	2,298398E+22	2,012051E+22	1,704362E+22	1,500017E+22	1,499989E+22	1,704292E+22	2,011981E+22
2358	2,298386E+22	2,486747E+22	2,568798E+22	2,568799E+22	2,486764E+22	2,298404E+22	2,012000E+22	1,704315E+22	1,499999E+22	1,500003E+22	1,704323E+22	2,012006E+22
2359	2,298388E+22	2,486719E+22	2,568721E+22	2,568661E+22	2,486611E+22	2,298315E+22	2,011969E+22	1,704307E+22	1,499999E+22	1,500001E+22	1,704317E+22	2,011989E+22
2360	2,298351E+22	2,486674E+22	2,568731E+22	2,568750E+22	2,486712E+22	2,298387E+22	2,012016E+22	1,704330E+22	1,500008E+22	1,500000E+22	1,704308E+22	2,011991E+22
2361	2,298387E+22	2,486741E+22	2,568801E+22	2,568818E+22	2,486755E+22	2,298366E+22	2,011971E+22	1,704304E+22	1,500008E+22	1,500028E+22	1,704352E+22	2,012019E+22
2362	2,298370E+22	2,486666E+22	2,568663E+22	2,568652E+22	2,486659E+22	2,298356E+22	2,011995E+22	1,704336E+22	1,500033E+22	1,500030E+22	1,704334E+22	2,011996E+22
2363	2,298355E+22	2,486688E+22	2,568754E+22	2,568774E+22	2,486762E+22	2,298447E+22	2,012057E+22	1,704367E+22	1,500053E+22	1,500053E+22	1,704363E+22	2,012036E+22
2364	2,298402E+22	2,486717E+22	2,568746E+22	2,568731E+22	2,486669E+22	2,298349E+22	2,012022E+22	1,704394E+22	1,500109E+22	1,500111E+22	1,704395E+22	2,012027E+22

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	2,298360E+22	2,486647E+22	2,568646E+22	2,568638E+22	2,486632E+22	2,298362E+22	2,012069E+22	1,704453E+22	1,500162E+22	1,500137E+22	1,704389E+22	2,011998E+22
2366	2,298341E+22	2,486691E+22	2,568774E+22	2,568795E+22	2,486759E+22	2,298411E+22	2,012047E+22	1,704432E+22	1,500179E+22	1,500191E+22	1,704459E+22	2,012059E+22
2367	2,298369E+22	2,486669E+22	2,568688E+22	2,568658E+22	2,486612E+22	2,298324E+22	2,012019E+22	1,704433E+22	1,500194E+22	1,500213E+22	1,704480E+22	2,012070E+22
2368	2,298353E+22	2,486613E+22	2,568635E+22	2,568661E+22	2,486662E+22	2,298388E+22	2,012085E+22	1,704479E+22	1,500212E+22	1,500199E+22	1,704451E+22	2,012058E+22
2369	2,298392E+22	2,486709E+22	2,568747E+22	2,568754E+22	2,486717E+22	2,298379E+22	2,012047E+22	1,704453E+22	1,500205E+22	1,500214E+22	1,704478E+22	2,012080E+22
2370	2,298391E+22	2,486670E+22	2,568659E+22	2,568613E+22	2,486585E+22	2,298317E+22	2,012032E+22	1,704455E+22	1,500201E+22	1,500190E+22	1,704435E+22	2,012030E+22
2371	2,298346E+22	2,486660E+22	2,568728E+22	2,568746E+22	2,486710E+22	2,298406E+22	2,012078E+22	1,704457E+22	1,500182E+22	1,500172E+22	1,704430E+22	2,012042E+22
2372	2,298378E+22	2,486702E+22	2,568754E+22	2,568760E+22	2,486698E+22	2,298350E+22	2,012019E+22	1,704423E+22	1,500170E+22	1,500179E+22	1,704445E+22	2,012040E+22
2373	2,298341E+22	2,486623E+22	2,568632E+22	2,568625E+22	2,486636E+22	2,298368E+22	2,012052E+22	1,704432E+22	1,500149E+22	1,500134E+22	1,704394E+22	2,012004E+22
2374	2,298326E+22	2,486650E+22	2,568736E+22	2,568773E+22	2,486764E+22	2,298447E+22	2,012066E+22	1,704403E+22	1,500113E+22	1,500116E+22	1,704403E+22	2,012045E+22
2375	2,298390E+22	2,486688E+22	2,568698E+22	2,568672E+22	2,486624E+22	2,298327E+22	2,012007E+22	1,704381E+22	1,500097E+22	1,500100E+22	1,704390E+22	2,012031E+22
2376	2,298368E+22	2,486646E+22	2,568641E+22	2,568639E+22	2,486636E+22	2,298355E+22	2,012040E+22	1,704408E+22	1,500102E+22	1,500073E+22	1,704342E+22	2,011988E+22
2377	2,298367E+22	2,486725E+22	2,568784E+22	2,568783E+22	2,486738E+22	2,298377E+22	2,012001E+22	1,704362E+22	1,500080E+22	1,500088E+22	1,704385E+22	2,012028E+22
2378	2,298371E+22	2,486683E+22	2,568709E+22	2,568669E+22	2,486610E+22	2,298300E+22	2,011963E+22	1,704340E+22	1,500066E+22	1,500074E+22	1,704369E+22	2,012009E+22
2379	2,298336E+22	2,486635E+22	2,568703E+22	2,568745E+22	2,486723E+22	2,298404E+22	2,012038E+22	1,704370E+22	1,500067E+22	1,500068E+22	1,704369E+22	2,012027E+22
2380	2,298387E+22	2,486708E+22	2,568750E+22	2,568768E+22	2,486730E+22	2,298377E+22	2,012010E+22	1,704371E+22	1,500091E+22	1,500107E+22	1,704406E+22	2,012044E+22
2381	2,298376E+22	2,486662E+22	2,568644E+22	2,568601E+22	2,486604E+22	2,298349E+22	2,012040E+22	1,704419E+22	1,500133E+22	1,500115E+22	1,704378E+22	2,011997E+22
2382	2,298332E+22	2,486657E+22	2,568732E+22	2,568751E+22	2,486731E+22	2,298432E+22	2,012084E+22	1,704449E+22	1,500169E+22	1,500159E+22	1,704415E+22	2,012031E+22
2383	2,298377E+22	2,486697E+22	2,568728E+22	2,568705E+22	2,486633E+22	2,298315E+22	2,012017E+22	1,704445E+22	1,500207E+22	1,500218E+22	1,704470E+22	2,012048E+22
2384	2,298338E+22	2,486609E+22	2,568619E+22	2,568622E+22	2,486614E+22	2,298338E+22	2,012062E+22	1,704500E+22	1,500255E+22	1,500237E+22	1,704463E+22	2,012030E+22
2385	2,298326E+22	2,486642E+22	2,568717E+22	2,568749E+22	2,486735E+22	2,298412E+22	2,012073E+22	1,704486E+22	1,500257E+22	1,500274E+22	1,704526E+22	2,012100E+22
2386	2,298377E+22	2,486641E+22	2,568655E+22	2,568629E+22	2,486580E+22	2,298306E+22	2,012036E+22	1,704485E+22	1,500265E+22	1,500276E+22	1,704519E+22	2,012087E+22
2387	2,298357E+22	2,486607E+22	2,568624E+22	2,568644E+22	2,486643E+22	2,298380E+22	2,012102E+22	1,704530E+22	1,500281E+22	1,500266E+22	1,704495E+22	2,012070E+22
2388	2,298383E+22	2,486697E+22	2,568731E+22	2,568723E+22	2,486683E+22	2,298368E+22	2,012066E+22	1,704510E+22	1,500289E+22	1,500296E+22	1,704527E+22	2,012085E+22
2389	2,298371E+22	2,486655E+22	2,568659E+22	2,568601E+22	2,486558E+22	2,298309E+22	2,012055E+22	1,704511E+22	1,500283E+22	1,500269E+22	1,704482E+22	2,012031E+22
2390	2,298308E+22	2,486604E+22	2,568691E+22	2,568741E+22	2,486717E+22	2,298413E+22	2,012096E+22	1,704510E+22	1,500264E+22	1,500253E+22	1,704477E+22	2,012050E+22
2391	2,298364E+22	2,486669E+22	2,568705E+22	2,568716E+22	2,486671E+22	2,298346E+22	2,012032E+22	1,704460E+22	1,500233E+22	1,500251E+22	1,704502E+22	2,012072E+22
2392	2,298347E+22	2,486606E+22	2,568599E+22	2,568586E+22	2,486595E+22	2,298344E+22	2,012062E+22	1,704484E+22	1,500223E+22	1,500200E+22	1,704438E+22	2,012023E+22
2393	2,298328E+22	2,486635E+22	2,568700E+22	2,568722E+22	2,486712E+22	2,298422E+22	2,012081E+22	1,704460E+22	1,500192E+22	1,500188E+22	1,704447E+22	2,012058E+22
2394	2,298384E+22	2,486675E+22	2,568698E+22	2,568667E+22	2,486587E+22	2,298288E+22	2,011999E+22	1,704418E+22	1,500168E+22	1,500171E+22	1,704430E+22	2,012031E+22
2395	2,298347E+22	2,486628E+22	2,568643E+22	2,568656E+22	2,486639E+22	2,298342E+22	2,012032E+22	1,704433E+22	1,500161E+22	1,500147E+22	1,704403E+22	2,012008E+22
2396	2,298344E+22	2,486684E+22	2,568747E+22	2,568761E+22	2,486733E+22	2,298386E+22	2,012016E+22	1,704402E+22	1,500151E+22	1,500169E+22	1,704448E+22	2,012057E+22
2397	2,298367E+22	2,486657E+22	2,568680E+22	2,568639E+22	2,486593E+22	2,298322E+22	2,012008E+22	1,704400E+22	1,500140E+22	1,500144E+22	1,704416E+22	2,012026E+22
2398	2,298327E+22	2,486598E+22	2,568658E+22	2,568713E+22	2,486707E+22	2,298413E+22	2,012081E+22	1,704449E+22	1,500163E+22	1,500147E+22	1,704404E+22	2,012027E+22
2399	2,298384E+22	2,486701E+22	2,568718E+22	2,568717E+22	2,486682E+22	2,298360E+22	2,012032E+22	1,704438E+22	1,500189E+22	1,500200E+22	1,704461E+22	2,012056E+22
2400	2,298365E+22	2,486649E+22	2,568636E+22	2,568582E+22	2,486561E+22	2,298312E+22	2,012046E+22	1,704488E+22	1,500241E+22	1,500219E+22	1,704442E+22	2,012007E+22

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	2,298302E+22	2,486614E+22	2,568692E+22	2,568718E+22	2,486695E+22	2,298406E+22	2,012094E+22	1,704511E+22	1,500271E+22	1,500267E+22	1,704494E+22	2,012060E+22
2402	2,298356E+22	2,486648E+22	2,568694E+22	2,568692E+22	2,486615E+22	2,298297E+22	2,012017E+22	1,704485E+22	1,500288E+22	1,500309E+22	1,704540E+22	2,012082E+22
2403	2,298336E+22	2,486579E+22	2,568583E+22	2,568599E+22	2,486603E+22	2,298340E+22	2,012076E+22	1,704537E+22	1,500317E+22	1,500314E+22	1,704532E+22	2,012072E+22
2404	2,298338E+22	2,486626E+22	2,568673E+22	2,568693E+22	2,486690E+22	2,298403E+22	2,012101E+22	1,704550E+22	1,500340E+22	1,500351E+22	1,704576E+22	2,012124E+22
2405	2,298390E+22	2,486652E+22	2,568653E+22	2,568597E+22	2,486536E+22	2,298294E+22	2,012065E+22	1,704551E+22	1,500351E+22	1,500349E+22	1,704550E+22	2,012078E+22
2406	2,298333E+22	2,486587E+22	2,568619E+22	2,568645E+22	2,486630E+22	2,298368E+22	2,012121E+22	1,704594E+22	1,500375E+22	1,500350E+22	1,704528E+22	2,012051E+22
2407	2,298351E+22	2,486675E+22	2,568716E+22	2,568713E+22	2,486668E+22	2,298355E+22	2,012069E+22	1,704551E+22	1,500367E+22	1,500382E+22	1,704586E+22	2,012095E+22
2408	2,298340E+22	2,486612E+22	2,568631E+22	2,568594E+22	2,486551E+22	2,298302E+22	2,012064E+22	1,704557E+22	1,500360E+22	1,500348E+22	1,704540E+22	2,012050E+22
2409	2,298285E+22	2,486548E+22	2,568623E+22	2,568690E+22	2,486692E+22	2,298420E+22	2,012130E+22	1,704566E+22	1,500337E+22	1,500327E+22	1,704534E+22	2,012079E+22
2410	2,298360E+22	2,486635E+22	2,568664E+22	2,568683E+22	2,486635E+22	2,298325E+22	2,012045E+22	1,704508E+22	1,500301E+22	1,500313E+22	1,704540E+22	2,012087E+22
2411	2,298351E+22	2,486600E+22	2,568580E+22	2,568561E+22	2,486566E+22	2,298326E+22	2,012068E+22	1,704522E+22	1,500285E+22	1,500269E+22	1,704490E+22	2,012042E+22
2412	2,298325E+22	2,486628E+22	2,568684E+22	2,568689E+22	2,486667E+22	2,298395E+22	2,012090E+22	1,704507E+22	1,500269E+22	1,500268E+22	1,704504E+22	2,012077E+22
2413	2,298378E+22	2,486669E+22	2,568698E+22	2,568658E+22	2,486564E+22	2,298274E+22	2,012007E+22	1,704460E+22	1,500238E+22	1,500245E+22	1,704481E+22	2,012044E+22
2414	2,298325E+22	2,486589E+22	2,568614E+22	2,568655E+22	2,486650E+22	2,298355E+22	2,012051E+22	1,704477E+22	1,500234E+22	1,500222E+22	1,704448E+22	2,012022E+22
2415	2,298344E+22	2,486667E+22	2,568708E+22	2,568722E+22	2,486709E+22	2,298390E+22	2,012038E+22	1,704443E+22	1,500215E+22	1,500239E+22	1,704499E+22	2,012081E+22
2416	2,298371E+22	2,486646E+22	2,568654E+22	2,568607E+22	2,486554E+22	2,298301E+22	2,012031E+22	1,704469E+22	1,500228E+22	1,500218E+22	1,704455E+22	2,012031E+22
2417	2,298314E+22	2,486576E+22	2,568620E+22	2,568666E+22	2,486661E+22	2,298396E+22	2,012111E+22	1,704525E+22	1,500265E+22	1,500239E+22	1,704454E+22	2,012028E+22
2418	2,298353E+22	2,486668E+22	2,568707E+22	2,568711E+22	2,486646E+22	2,298322E+22	2,012033E+22	1,704492E+22	1,500283E+22	1,500294E+22	1,704517E+22	2,012058E+22
2419	2,298332E+22	2,486611E+22	2,568615E+22	2,568583E+22	2,486556E+22	2,298298E+22	2,012047E+22	1,704528E+22	1,500321E+22	1,500318E+22	1,704525E+22	2,012038E+22
2420	2,298280E+22	2,486567E+22	2,568640E+22	2,568676E+22	2,486668E+22	2,298404E+22	2,012116E+22	1,704565E+22	1,500358E+22	1,500364E+22	1,704573E+22	2,012102E+22
2421	2,298360E+22	2,486625E+22	2,568656E+22	2,568647E+22	2,486582E+22	2,298302E+22	2,012053E+22	1,704548E+22	1,500371E+22	1,500389E+22	1,704595E+22	2,012107E+22
2422	2,298336E+22	2,486560E+22	2,568550E+22	2,568570E+22	2,486584E+22	2,298340E+22	2,012108E+22	1,704607E+22	1,500411E+22	1,500394E+22	1,704569E+22	2,012077E+22
2423	2,298345E+22	2,486633E+22	2,568658E+22	2,568656E+22	2,486646E+22	2,298382E+22	2,012115E+22	1,704606E+22	1,500429E+22	1,500439E+22	1,704628E+22	2,012132E+22
2424	2,298376E+22	2,486644E+22	2,568657E+22	2,568599E+22	2,486510E+22	2,298261E+22	2,012073E+22	1,704615E+22	1,500446E+22	1,500437E+22	1,704603E+22	2,012080E+22
2425	2,298296E+22	2,486543E+22	2,568584E+22	2,568631E+22	2,486620E+22	2,298360E+22	2,012137E+22	1,704650E+22	1,500463E+22	1,500442E+22	1,704594E+22	2,012069E+22
2426	2,298315E+22	2,486615E+22	2,568678E+22	2,568703E+22	2,486662E+22	2,298352E+22	2,012079E+22	1,704587E+22	1,500432E+22	1,500456E+22	1,704643E+22	2,012121E+22
2427	2,298332E+22	2,486577E+22	2,568586E+22	2,568563E+22	2,486540E+22	2,298309E+22	2,012087E+22	1,704593E+22	1,500412E+22	1,500414E+22	1,704602E+22	2,012086E+22
2428	2,298293E+22	2,486532E+22	2,568572E+22	2,568619E+22	2,486633E+22	2,298402E+22	2,012158E+22	1,704626E+22	1,500412E+22	1,500396E+22	1,704581E+22	2,012103E+22
2429	2,298373E+22	2,486645E+22	2,568655E+22	2,568642E+22	2,486586E+22	2,298304E+22	2,012061E+22	1,704562E+22	1,500377E+22	1,500381E+22	1,704575E+22	2,012086E+22
2430	2,298336E+22	2,486590E+22	2,568580E+22	2,568562E+22	2,486553E+22	2,298304E+22	2,012068E+22	1,704564E+22	1,500361E+22	1,500342E+22	1,704523E+22	2,012037E+22
2431	2,298309E+22	2,486615E+22	2,568670E+22	2,568678E+22	2,486649E+22	2,298373E+22	2,012083E+22	1,704534E+22	1,500332E+22	1,500343E+22	1,704560E+22	2,012096E+22
2432	2,298361E+22	2,486641E+22	2,568680E+22	2,568658E+22	2,486562E+22	2,298267E+22	2,012020E+22	1,704504E+22	1,500303E+22	1,500309E+22	1,704527E+22	2,012060E+22
2433	2,298307E+22	2,486547E+22	2,568560E+22	2,568614E+22	2,486630E+22	2,298362E+22	2,012090E+22	1,704539E+22	1,500309E+22	1,500292E+22	1,704494E+22	2,012034E+22
2434	2,298324E+22	2,486634E+22	2,568679E+22	2,568696E+22	2,486677E+22	2,298376E+22	2,012063E+22	1,704504E+22	1,500296E+22	1,500310E+22	1,704536E+22	2,012083E+22
2435	2,298357E+22	2,486633E+22	2,568636E+22	2,568585E+22	2,486531E+22	2,298289E+22	2,012049E+22	1,704522E+22	1,500312E+22	1,500310E+22	1,704520E+22	2,012042E+22
2436	2,298290E+22	2,486549E+22	2,568587E+22	2,568623E+22	2,486613E+22	2,298369E+22	2,012130E+22	1,704594E+22	1,500369E+22	1,500346E+22	1,704530E+22	2,012053E+22

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	2,298335E+22	2,486637E+22	2,568679E+22	2,568687E+22	2,486626E+22	2,298310E+22	2,012045E+22	1,704549E+22	1,500378E+22	1,500395E+22	1,704590E+22	2,012086E+22
2438	2,298313E+22	2,486565E+22	2,568571E+22	2,568563E+22	2,486554E+22	2,298302E+22	2,012066E+22	1,704579E+22	1,500407E+22	1,500409E+22	1,704587E+22	2,012071E+22
2439	2,298295E+22	2,486555E+22	2,568598E+22	2,568623E+22	2,486624E+22	2,298388E+22	2,012136E+22	1,704616E+22	1,500435E+22	1,500447E+22	1,704638E+22	2,012140E+22
2440	2,298376E+22	2,486630E+22	2,568644E+22	2,568619E+22	2,486539E+22	2,298270E+22	2,012072E+22	1,704618E+22	1,500461E+22	1,500466E+22	1,704639E+22	2,012116E+22
2441	2,298327E+22	2,486550E+22	2,568532E+22	2,568541E+22	2,486550E+22	2,298322E+22	2,012131E+22	1,704676E+22	1,500508E+22	1,500485E+22	1,704618E+22	2,012074E+22
2442	2,298307E+22	2,486603E+22	2,568660E+22	2,568666E+22	2,486630E+22	2,298356E+22	2,012119E+22	1,704653E+22	1,500512E+22	1,500523E+22	1,704677E+22	2,012130E+22
2443	2,298340E+22	2,486603E+22	2,568634E+22	2,568603E+22	2,486525E+22	2,298267E+22	2,012084E+22	1,704651E+22	1,500515E+22	1,500524E+22	1,704674E+22	2,012102E+22
2444	2,298269E+22	2,486490E+22	2,568524E+22	2,568582E+22	2,486600E+22	2,298370E+22	2,012172E+22	1,704708E+22	1,500541E+22	1,500524E+22	1,704659E+22	2,012105E+22
2445	2,298313E+22	2,486584E+22	2,568628E+22	2,568649E+22	2,486630E+22	2,298354E+22	2,012114E+22	1,704648E+22	1,500506E+22	1,500522E+22	1,704686E+22	2,012141E+22
2446	2,298330E+22	2,486556E+22	2,568549E+22	2,568524E+22	2,486512E+22	2,298299E+22	2,012111E+22	1,704653E+22	1,500492E+22	1,500483E+22	1,704634E+22	2,012095E+22
2447	2,298305E+22	2,486542E+22	2,568561E+22	2,568575E+22	2,486575E+22	2,298361E+22	2,012158E+22	1,704666E+22	1,500484E+22	1,500472E+22	1,704631E+22	2,012117E+22
2448	2,298367E+22	2,486645E+22	2,568664E+22	2,568639E+22	2,486551E+22	2,298255E+22	2,012054E+22	1,704608E+22	1,500451E+22	1,500454E+22	1,704622E+22	2,012093E+22
2449	2,298309E+22	2,486559E+22	2,568557E+22	2,568553E+22	2,486549E+22	2,298295E+22	2,012073E+22	1,704601E+22	1,500429E+22	1,500417E+22	1,704578E+22	2,012053E+22
2450	2,298280E+22	2,486572E+22	2,568648E+22	2,568675E+22	2,486648E+22	2,298370E+22	2,012089E+22	1,704561E+22	1,500383E+22	1,500401E+22	1,704603E+22	2,012114E+22
2451	2,298354E+22	2,486616E+22	2,568647E+22	2,568637E+22	2,486561E+22	2,298277E+22	2,012048E+22	1,704543E+22	1,500357E+22	1,500371E+22	1,704576E+22	2,012078E+22
2452	2,298300E+22	2,486528E+22	2,568521E+22	2,568556E+22	2,486583E+22	2,298350E+22	2,012126E+22	1,704613E+22	1,500398E+22	1,500370E+22	1,704540E+22	2,012045E+22
2453	2,298311E+22	2,486618E+22	2,568660E+22	2,568660E+22	2,486641E+22	2,298360E+22	2,012086E+22	1,704573E+22	1,500392E+22	1,500398E+22	1,704582E+22	2,012078E+22
2454	2,298321E+22	2,486597E+22	2,568616E+22	2,568576E+22	2,486523E+22	2,298276E+22	2,012063E+22	1,704583E+22	1,500411E+22	1,500408E+22	1,704577E+22	2,012054E+22
2455	2,298272E+22	2,486518E+22	2,568552E+22	2,568587E+22	2,486583E+22	2,298345E+22	2,012132E+22	1,704638E+22	1,500456E+22	1,500448E+22	1,704613E+22	2,012095E+22
2456	2,298330E+22	2,486606E+22	2,568645E+22	2,568659E+22	2,486600E+22	2,298293E+22	2,012064E+22	1,704609E+22	1,500463E+22	1,500481E+22	1,704658E+22	2,012123E+22
2457	2,298315E+22	2,486536E+22	2,568523E+22	2,568516E+22	2,486523E+22	2,298297E+22	2,012098E+22	1,704647E+22	1,500496E+22	1,500493E+22	1,704645E+22	2,012097E+22
2458	2,298290E+22	2,486540E+22	2,568585E+22	2,568601E+22	2,486591E+22	2,298363E+22	2,012150E+22	1,704673E+22	1,500519E+22	1,500525E+22	1,704683E+22	2,012150E+22
2459	2,298371E+22	2,486627E+22	2,568644E+22	2,568613E+22	2,486528E+22	2,298260E+22	2,012089E+22	1,704668E+22	1,500542E+22	1,500556E+22	1,704700E+22	2,012123E+22
2460	2,298300E+22	2,486525E+22	2,568514E+22	2,568514E+22	2,486518E+22	2,298305E+22	2,012155E+22	1,704745E+22	1,500607E+22	1,500583E+22	1,704686E+22	2,012092E+22
2461	2,298278E+22	2,486561E+22	2,568628E+22	2,568648E+22	2,486629E+22	2,298363E+22	2,012140E+22	1,704710E+22	1,500599E+22	1,500611E+22	1,704737E+22	2,012148E+22
2462	2,298315E+22	2,486554E+22	2,568585E+22	2,568576E+22	2,486527E+22	2,298283E+22	2,012114E+22	1,704704E+22	1,500592E+22	1,500600E+22	1,704723E+22	2,012129E+22
2463	2,298280E+22	2,486471E+22	2,568472E+22	2,568511E+22	2,486543E+22	2,298347E+22	2,012191E+22	1,704761E+22	1,500614E+22	1,500596E+22	1,704714E+22	2,012137E+22
2464	2,298327E+22	2,486584E+22	2,568612E+22	2,568609E+22	2,486575E+22	2,298311E+22	2,012126E+22	1,704711E+22	1,500585E+22	1,500588E+22	1,704722E+22	2,012148E+22
2465	2,298321E+22	2,486547E+22	2,568538E+22	2,568497E+22	2,486472E+22	2,298265E+22	2,012113E+22	1,704702E+22	1,500570E+22	1,500559E+22	1,704677E+22	2,012094E+22
2466	2,298270E+22	2,486518E+22	2,568573E+22	2,568589E+22	2,486558E+22	2,298323E+22	2,012140E+22	1,704691E+22	1,500543E+22	1,500538E+22	1,704676E+22	2,012123E+22
2467	2,298341E+22	2,486615E+22	2,568654E+22	2,568650E+22	2,486573E+22	2,298262E+22	2,012055E+22	1,704623E+22	1,500497E+22	1,500521E+22	1,704678E+22	2,012111E+22
2468	2,298287E+22	2,486517E+22	2,568514E+22	2,568514E+22	2,486535E+22	2,298308E+22	2,012108E+22	1,704654E+22	1,500494E+22	1,500483E+22	1,704628E+22	2,012077E+22
2469	2,298274E+22	2,486540E+22	2,568603E+22	2,568634E+22	2,486636E+22	2,298383E+22	2,012127E+22	1,704625E+22	1,500457E+22	1,500462E+22	1,704633E+22	2,012117E+22
2470	2,298340E+22	2,486591E+22	2,568613E+22	2,568603E+22	2,486547E+22	2,298281E+22	2,012082E+22	1,704614E+22	1,500448E+22	1,500446E+22	1,704609E+22	2,012082E+22
2471	2,298297E+22	2,486517E+22	2,568499E+22	2,568506E+22	2,486526E+22	2,298316E+22	2,012140E+22	1,704675E+22	1,500492E+22	1,500466E+22	1,704607E+22	2,012067E+22
2472	2,298297E+22	2,486595E+22	2,568648E+22	2,568643E+22	2,486604E+22	2,298317E+22	2,012091E+22	1,704638E+22	1,500487E+22	1,500494E+22	1,704652E+22	2,012103E+22

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	2,298298E+22	2,486551E+22	2,568575E+22	2,568548E+22	2,486507E+22	2,298264E+22	2,012071E+22	1,704633E+22	1,500500E+22	1,500509E+22	1,704657E+22	2,012091E+22
2474	2,298258E+22	2,486482E+22	2,568527E+22	2,568563E+22	2,486558E+22	2,298327E+22	2,012136E+22	1,704674E+22	1,500522E+22	1,500525E+22	1,704676E+22	2,012133E+22
2475	2,298345E+22	2,486599E+22	2,568620E+22	2,568625E+22	2,486580E+22	2,298288E+22	2,012085E+22	1,704655E+22	1,500532E+22	1,500558E+22	1,704714E+22	2,012147E+22
2476	2,298321E+22	2,486535E+22	2,568507E+22	2,568471E+22	2,486478E+22	2,298279E+22	2,012129E+22	1,704723E+22	1,500593E+22	1,500578E+22	1,704692E+22	2,012106E+22
2477	2,298280E+22	2,486532E+22	2,568580E+22	2,568587E+22	2,486573E+22	2,298349E+22	2,012166E+22	1,704740E+22	1,500615E+22	1,500611E+22	1,704723E+22	2,012137E+22
2478	2,298328E+22	2,486588E+22	2,568628E+22	2,568616E+22	2,486539E+22	2,298265E+22	2,012111E+22	1,704732E+22	1,500638E+22	1,500647E+22	1,704749E+22	2,012129E+22
2479	2,298273E+22	2,486480E+22	2,568476E+22	2,568480E+22	2,486497E+22	2,298300E+22	2,012172E+22	1,704797E+22	1,500691E+22	1,500678E+22	1,704760E+22	2,012124E+22
2480	2,298262E+22	2,486512E+22	2,568581E+22	2,568609E+22	2,486596E+22	2,298349E+22	2,012170E+22	1,704778E+22	1,500681E+22	1,500690E+22	1,704793E+22	2,012173E+22
2481	2,298306E+22	2,486515E+22	2,568529E+22	2,568519E+22	2,486489E+22	2,298274E+22	2,012143E+22	1,704771E+22	1,500680E+22	1,500682E+22	1,704777E+22	2,012148E+22
2482	2,298270E+22	2,486457E+22	2,568461E+22	2,568477E+22	2,486494E+22	2,298307E+22	2,012187E+22	1,704803E+22	1,500686E+22	1,500667E+22	1,704757E+22	2,012150E+22
2483	2,298328E+22	2,486584E+22	2,568612E+22	2,568596E+22	2,486551E+22	2,298287E+22	2,012121E+22	1,704741E+22	1,500650E+22	1,500666E+22	1,704777E+22	2,012159E+22
2484	2,298303E+22	2,486526E+22	2,568529E+22	2,568484E+22	2,486449E+22	2,298243E+22	2,012118E+22	1,704746E+22	1,500642E+22	1,500634E+22	1,704732E+22	2,012115E+22
2485	2,298254E+22	2,486484E+22	2,568545E+22	2,568583E+22	2,486572E+22	2,298333E+22	2,012147E+22	1,704724E+22	1,500601E+22	1,500600E+22	1,704718E+22	2,012136E+22
2486	2,298324E+22	2,486576E+22	2,568615E+22	2,568631E+22	2,486587E+22	2,298292E+22	2,012090E+22	1,704670E+22	1,500556E+22	1,500573E+22	1,704710E+22	2,012131E+22
2487	2,298298E+22	2,486502E+22	2,568475E+22	2,568455E+22	2,486487E+22	2,298297E+22	2,012137E+22	1,704712E+22	1,500567E+22	1,500549E+22	1,704672E+22	2,012098E+22
2488	2,298276E+22	2,486530E+22	2,568586E+22	2,568596E+22	2,486585E+22	2,298351E+22	2,012151E+22	1,704701E+22	1,500548E+22	1,500537E+22	1,704669E+22	2,012114E+22
2489	2,298316E+22	2,486565E+22	2,568593E+22	2,568575E+22	2,486511E+22	2,298258E+22	2,012093E+22	1,704677E+22	1,500545E+22	1,500542E+22	1,704668E+22	2,012085E+22
2490	2,298258E+22	2,486481E+22	2,568492E+22	2,568499E+22	2,486499E+22	2,298278E+22	2,012126E+22	1,704711E+22	1,500570E+22	1,500555E+22	1,704674E+22	2,012093E+22
2491	2,298284E+22	2,486561E+22	2,568621E+22	2,568629E+22	2,486602E+22	2,298316E+22	2,012096E+22	1,704667E+22	1,500555E+22	1,500583E+22	1,704726E+22	2,012140E+22
2492	2,298295E+22	2,486518E+22	2,568532E+22	2,568501E+22	2,486473E+22	2,298259E+22	2,012101E+22	1,704694E+22	1,500580E+22	1,500590E+22	1,704719E+22	2,012129E+22
2493	2,298269E+22	2,486466E+22	2,568492E+22	2,568529E+22	2,486541E+22	2,298326E+22	2,012161E+22	1,704739E+22	1,500607E+22	1,500599E+22	1,704715E+22	2,012141E+22
2494	2,298339E+22	2,486590E+22	2,568607E+22	2,568606E+22	2,486569E+22	2,298293E+22	2,012115E+22	1,704724E+22	1,500626E+22	1,500637E+22	1,704750E+22	2,012150E+22
2495	2,298311E+22	2,486523E+22	2,568497E+22	2,568439E+22	2,486431E+22	2,298251E+22	2,012146E+22	1,704790E+22	1,500694E+22	1,500679E+22	1,704757E+22	2,012120E+22
2496	2,298254E+22	2,486495E+22	2,568563E+22	2,568581E+22	2,486552E+22	2,298325E+22	2,012184E+22	1,704813E+22	1,500718E+22	1,500709E+22	1,704786E+22	2,012149E+22
2497	2,298292E+22	2,486527E+22	2,568577E+22	2,568588E+22	2,486532E+22	2,298271E+22	2,012132E+22	1,704791E+22	1,500733E+22	1,500748E+22	1,704824E+22	2,012156E+22
2498	2,298248E+22	2,486432E+22	2,568436E+22	2,568440E+22	2,486461E+22	2,298285E+22	2,012186E+22	1,704842E+22	1,500762E+22	1,500755E+22	1,704822E+22	2,012162E+22
2499	2,298275E+22	2,486498E+22	2,568545E+22	2,568562E+22	2,486559E+22	2,298336E+22	2,012186E+22	1,704822E+22	1,500751E+22	1,500765E+22	1,704846E+22	2,012195E+22
2500	2,298311E+22	2,486509E+22	2,568508E+22	2,568471E+22	2,486432E+22	2,298242E+22	2,012157E+22	1,704831E+22	1,500764E+22	1,500760E+22	1,704823E+22	2,012162E+22
2501	2,298266E+22	2,486450E+22	2,568455E+22	2,568471E+22	2,486479E+22	2,298284E+22	2,012181E+22	1,704842E+22	1,500758E+22	1,500738E+22	1,704795E+22	2,012146E+22
2502	2,298300E+22	2,486558E+22	2,568603E+22	2,568605E+22	2,486566E+22	2,298293E+22	2,012129E+22	1,704778E+22	1,500715E+22	1,500729E+22	1,704816E+22	2,012171E+22
2503	2,298291E+22	2,486493E+22	2,568500E+22	2,568460E+22	2,486434E+22	2,298245E+22	2,012134E+22	1,704784E+22	1,500703E+22	1,500702E+22	1,704786E+22	2,012143E+22
2504	2,298250E+22	2,486451E+22	2,568511E+22	2,568555E+22	2,486549E+22	2,298331E+22	2,012184E+22	1,704786E+22	1,500668E+22	1,500656E+22	1,704750E+22	2,012145E+22
2505	2,298312E+22	2,486543E+22	2,568569E+22	2,568587E+22	2,486560E+22	2,298296E+22	2,012125E+22	1,704739E+22	1,500640E+22	1,500646E+22	1,704750E+22	2,012132E+22
2506	2,298276E+22	2,486486E+22	2,568468E+22	2,568425E+22	2,486438E+22	2,298266E+22	2,012143E+22	1,704761E+22	1,500645E+22	1,500626E+22	1,704719E+22	2,012107E+22
2507	2,298266E+22	2,486516E+22	2,568573E+22	2,568576E+22	2,486553E+22	2,298326E+22	2,012153E+22	1,704741E+22	1,500629E+22	1,500631E+22	1,704734E+22	2,012129E+22
2508	2,298294E+22	2,486531E+22	2,568567E+22	2,568550E+22	2,486482E+22	2,298235E+22	2,012099E+22	1,704730E+22	1,500635E+22	1,500639E+22	1,704741E+22	2,012121E+22

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	2,298252E+22	2,486445E+22	2,568453E+22	2,568483E+22	2,486500E+22	2,298275E+22	2,012124E+22	1,704745E+22	1,500641E+22	1,500633E+22	1,704731E+22	2,012120E+22
2510	2,298284E+22	2,486535E+22	2,568582E+22	2,568599E+22	2,486592E+22	2,298329E+22	2,012126E+22	1,704720E+22	1,500626E+22	1,500647E+22	1,704770E+22	2,012171E+22
2511	2,298315E+22	2,486514E+22	2,568507E+22	2,568454E+22	2,486422E+22	2,298239E+22	2,012124E+22	1,704758E+22	1,500665E+22	1,500667E+22	1,704767E+22	2,012147E+22
2512	2,298271E+22	2,486463E+22	2,568490E+22	2,568507E+22	2,486495E+22	2,298297E+22	2,012184E+22	1,704815E+22	1,500706E+22	1,500683E+22	1,704754E+22	2,012130E+22
2513	2,298303E+22	2,486557E+22	2,568591E+22	2,568594E+22	2,486552E+22	2,298286E+22	2,012136E+22	1,704794E+22	1,500734E+22	1,500743E+22	1,704812E+22	2,012144E+22
2514	2,298258E+22	2,486477E+22	2,568484E+22	2,568437E+22	2,486416E+22	2,298235E+22	2,012148E+22	1,704837E+22	1,500782E+22	1,500777E+22	1,704829E+22	2,012143E+22
2515	2,298231E+22	2,486443E+22	2,568513E+22	2,568554E+22	2,486547E+22	2,298335E+22	2,012203E+22	1,704857E+22	1,500799E+22	1,500806E+22	1,704860E+22	2,012180E+22
2516	2,298280E+22	2,486480E+22	2,568516E+22	2,568529E+22	2,486491E+22	2,298267E+22	2,012170E+22	1,704863E+22	1,500824E+22	1,500835E+22	1,704889E+22	2,012194E+22
2517	2,298259E+22	2,486411E+22	2,568388E+22	2,568396E+22	2,486432E+22	2,298270E+22	2,012200E+22	1,704900E+22	1,500845E+22	1,500829E+22	1,704864E+22	2,012175E+22
2518	2,298277E+22	2,486495E+22	2,568530E+22	2,568533E+22	2,486529E+22	2,298327E+22	2,012207E+22	1,704879E+22	1,500831E+22	1,500835E+22	1,704886E+22	2,012210E+22
2519	2,298314E+22	2,486506E+22	2,568505E+22	2,568448E+22	2,486384E+22	2,298205E+22	2,012158E+22	1,704878E+22	1,500843E+22	1,500843E+22	1,704883E+22	2,012182E+22
2520	2,298256E+22	2,486432E+22	2,568450E+22	2,568474E+22	2,486464E+22	2,298263E+22	2,012187E+22	1,704888E+22	1,500830E+22	1,500811E+22	1,704842E+22	2,012156E+22
2521	2,298277E+22	2,486517E+22	2,568567E+22	2,568588E+22	2,486569E+22	2,298312E+22	2,012151E+22	1,704819E+22	1,500782E+22	1,500802E+22	1,704866E+22	2,012183E+22
2522	2,298270E+22	2,486465E+22	2,568475E+22	2,568432E+22	2,486405E+22	2,298239E+22	2,012151E+22	1,704823E+22	1,500758E+22	1,500758E+22	1,704826E+22	2,012163E+22
2523	2,298257E+22	2,486441E+22	2,568481E+22	2,568521E+22	2,486519E+22	2,298324E+22	2,012203E+22	1,704834E+22	1,500739E+22	1,500724E+22	1,704786E+22	2,012145E+22
2524	2,298297E+22	2,486526E+22	2,568549E+22	2,568550E+22	2,486509E+22	2,298267E+22	2,012142E+22	1,704802E+22	1,500730E+22	1,500728E+22	1,704796E+22	2,012136E+22
2525	2,298255E+22	2,486457E+22	2,568446E+22	2,568420E+22	2,486425E+22	2,298241E+22	2,012137E+22	1,704803E+22	1,500724E+22	1,500708E+22	1,704769E+22	2,012110E+22
2526	2,298237E+22	2,486480E+22	2,568547E+22	2,568569E+22	2,486553E+22	2,298330E+22	2,012163E+22	1,704781E+22	1,500698E+22	1,500704E+22	1,704790E+22	2,012158E+22
2527	2,298289E+22	2,486495E+22	2,568523E+22	2,568509E+22	2,486448E+22	2,298225E+22	2,012113E+22	1,704772E+22	1,500707E+22	1,500721E+22	1,704810E+22	2,012162E+22
2528	2,298262E+22	2,486425E+22	2,568418E+22	2,568450E+22	2,486465E+22	2,298265E+22	2,012155E+22	1,704808E+22	1,500718E+22	1,500704E+22	1,704774E+22	2,012136E+22
2529	2,298282E+22	2,486517E+22	2,568549E+22	2,568562E+22	2,486564E+22	2,298327E+22	2,012155E+22	1,704789E+22	1,500721E+22	1,500733E+22	1,704816E+22	2,012170E+22
2530	2,298293E+22	2,486505E+22	2,568509E+22	2,568438E+22	2,486380E+22	2,298211E+22	2,012134E+22	1,704814E+22	1,500755E+22	1,500756E+22	1,704821E+22	2,012155E+22
2531	2,298254E+22	2,486444E+22	2,568479E+22	2,568501E+22	2,486478E+22	2,298283E+22	2,012195E+22	1,704868E+22	1,500801E+22	1,500787E+22	1,704819E+22	2,012136E+22
2532	2,298265E+22	2,486506E+22	2,568554E+22	2,568572E+22	2,486533E+22	2,298279E+22	2,012158E+22	1,704859E+22	1,500835E+22	1,500849E+22	1,704890E+22	2,012176E+22
2533	2,298241E+22	2,486423E+22	2,568423E+22	2,568410E+22	2,486415E+22	2,298241E+22	2,012167E+22	1,704886E+22	1,500864E+22	1,500865E+22	1,704894E+22	2,012174E+22
2534	2,298231E+22	2,486415E+22	2,568460E+22	2,568502E+22	2,486519E+22	2,298344E+22	2,012242E+22	1,704922E+22	1,500878E+22	1,500877E+22	1,704912E+22	2,012217E+22
2535	2,298300E+22	2,486476E+22	2,568482E+22	2,568468E+22	2,486422E+22	2,298232E+22	2,012188E+22	1,704929E+22	1,500916E+22	1,500920E+22	1,704944E+22	2,012219E+22
2536	2,298270E+22	2,486419E+22	2,568389E+22	2,568375E+22	2,486380E+22	2,298228E+22	2,012208E+22	1,704959E+22	1,500933E+22	1,500909E+22	1,704905E+22	2,012171E+22
2537	2,298252E+22	2,486476E+22	2,568523E+22	2,568531E+22	2,486512E+22	2,298310E+22	2,012212E+22	1,704928E+22	1,500917E+22	1,500924E+22	1,704940E+22	2,012207E+22
2538	2,298273E+22	2,486478E+22	2,568505E+22	2,568458E+22	2,486379E+22	2,298191E+22	2,012154E+22	1,704903E+22	1,500902E+22	1,500914E+22	1,704937E+22	2,012201E+22
2539	2,298242E+22	2,486399E+22	2,568419E+22	2,568461E+22	2,486465E+22	2,298276E+22	2,012205E+22	1,704920E+22	1,500889E+22	1,500879E+22	1,704888E+22	2,012167E+22
2540	2,298258E+22	2,486479E+22	2,568520E+22	2,568546E+22	2,486543E+22	2,298318E+22	2,012193E+22	1,704883E+22	1,500857E+22	1,500869E+22	1,704908E+22	2,012199E+22
2541	2,298266E+22	2,486441E+22	2,568433E+22	2,568405E+22	2,486391E+22	2,298231E+22	2,012167E+22	1,704873E+22	1,500831E+22	1,500822E+22	1,704857E+22	2,012160E+22
2542	2,298241E+22	2,486425E+22	2,568454E+22	2,568488E+22	2,486490E+22	2,298316E+22	2,012226E+22	1,704890E+22	1,500816E+22	1,500794E+22	1,704830E+22	2,012158E+22
2543	2,298283E+22	2,486501E+22	2,568524E+22	2,568521E+22	2,486463E+22	2,298230E+22	2,012145E+22	1,704852E+22	1,500814E+22	1,500819E+22	1,704865E+22	2,012165E+22
2544	2,298245E+22	2,486430E+22	2,568422E+22	2,568407E+22	2,486401E+22	2,298217E+22	2,012140E+22	1,704843E+22	1,500797E+22	1,500789E+22	1,704829E+22	2,012135E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙ / Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2545	2,298225E+22	2,486444E+22	2,568504E+22	2,568537E+22	2,486537E+22	2,298335E+22	2,012184E+22	1,704825E+22	1,500770E+22	1,500785E+22	1,704852E+22	2,012182E+22
2546	2,298285E+22	2,486487E+22	2,568504E+22	2,568476E+22	2,486409E+22	2,298207E+22	2,012126E+22	1,704813E+22	1,500767E+22	1,500784E+22	1,704856E+22	2,012188E+22
2547	2,298276E+22	2,486432E+22	2,568405E+22	2,568422E+22	2,486434E+22	2,298249E+22	2,012169E+22	1,704860E+22	1,500801E+22	1,500782E+22	1,704812E+22	2,012131E+22
2548	2,298261E+22	2,486503E+22	2,568538E+22	2,568540E+22	2,486527E+22	2,298308E+22	2,012180E+22	1,704860E+22	1,500822E+22	1,500827E+22	1,704868E+22	2,012170E+22
2549	2,298261E+22	2,486468E+22	2,568483E+22	2,568445E+22	2,486386E+22	2,298199E+22	2,012142E+22	1,704868E+22	1,500847E+22	1,500850E+22	1,704878E+22	2,012157E+22
2550	2,298216E+22	2,486396E+22	2,568437E+22	2,568484E+22	2,486482E+22	2,298300E+22	2,012228E+22	1,704929E+22	1,500888E+22	1,500874E+22	1,704888E+22	2,012170E+22
2551	2,298249E+22	2,486456E+22	2,568495E+22	2,568520E+22	2,486494E+22	2,298271E+22	2,012191E+22	1,704926E+22	1,500928E+22	1,500947E+22	1,704968E+22	2,012220E+22
2552	2,298249E+22	2,486399E+22	2,568379E+22	2,568362E+22	2,486367E+22	2,298224E+22	2,012202E+22	1,704960E+22	1,500957E+22	1,500951E+22	1,704949E+22	2,012195E+22
2553	2,298231E+22	2,486403E+22	2,568428E+22	2,568455E+22	2,486474E+22	2,298326E+22	2,012267E+22	1,704991E+22	1,500979E+22	1,500973E+22	1,704968E+22	2,012222E+22
2554	2,298286E+22	2,486481E+22	2,568488E+22	2,568445E+22	2,486373E+22	2,298190E+22	2,012184E+22	1,704973E+22	1,500996E+22	1,501006E+22	1,705003E+22	2,012237E+22
2555	2,298264E+22	2,486414E+22	2,568392E+22	2,568381E+22	2,486370E+22	2,298206E+22	2,012201E+22	1,704994E+22	1,501011E+22	1,500997E+22	1,704962E+22	2,012182E+22
2556	2,298225E+22	2,486438E+22	2,568500E+22	2,568524E+22	2,486508E+22	2,298305E+22	2,012224E+22	1,704971E+22	1,500991E+22	1,501004E+22	1,705000E+22	2,012232E+22
2557	2,298258E+22	2,486430E+22	2,568454E+22	2,568447E+22	2,486396E+22	2,298204E+22	2,012173E+22	1,704939E+22	1,500957E+22	1,500971E+22	1,704976E+22	2,012216E+22
2558	2,298235E+22	2,486377E+22	2,568377E+22	2,568421E+22	2,486450E+22	2,298293E+22	2,012249E+22	1,704977E+22	1,500947E+22	1,500925E+22	1,704919E+22	2,012184E+22
2559	2,298254E+22	2,486461E+22	2,568485E+22	2,568492E+22	2,486484E+22	2,298288E+22	2,012213E+22	1,704946E+22	1,500939E+22	1,500942E+22	1,704950E+22	2,012207E+22
2560	2,298256E+22	2,486431E+22	2,568421E+22	2,568378E+22	2,486346E+22	2,298198E+22	2,012181E+22	1,704929E+22	1,500914E+22	1,500901E+22	1,704899E+22	2,012156E+22
2561	2,298210E+22	2,486394E+22	2,568431E+22	2,568469E+22	2,486469E+22	2,298297E+22	2,012231E+22	1,704936E+22	1,500898E+22	1,500884E+22	1,704891E+22	2,012165E+22
2562	2,298250E+22	2,486472E+22	2,568504E+22	2,568502E+22	2,486441E+22	2,298209E+22	2,012139E+22	1,704877E+22	1,500872E+22	1,500892E+22	1,704930E+22	2,012203E+22
2563	2,298248E+22	2,486410E+22	2,568391E+22	2,568383E+22	2,486389E+22	2,298215E+22	2,012150E+22	1,704876E+22	1,500857E+22	1,500857E+22	1,704878E+22	2,012157E+22
2564	2,298223E+22	2,486423E+22	2,568470E+22	2,568498E+22	2,486504E+22	2,298323E+22	2,012214E+22	1,704887E+22	1,500848E+22	1,500855E+22	1,704896E+22	2,012200E+22
2565	2,298285E+22	2,486472E+22	2,568478E+22	2,568462E+22	2,486401E+22	2,298197E+22	2,012143E+22	1,704867E+22	1,500846E+22	1,500855E+22	1,704891E+22	2,012183E+22
2566	2,298258E+22	2,486424E+22	2,568398E+22	2,568406E+22	2,486415E+22	2,298248E+22	2,012203E+22	1,704927E+22	1,500887E+22	1,500861E+22	1,704863E+22	2,012141E+22
2567	2,298230E+22	2,486466E+22	2,568513E+22	2,568519E+22	2,486497E+22	2,298283E+22	2,012197E+22	1,704929E+22	1,500926E+22	1,500934E+22	1,704944E+22	2,012196E+22
2568	2,298240E+22	2,486426E+22	2,568447E+22	2,568423E+22	2,486372E+22	2,298194E+22	2,012166E+22	1,704929E+22	1,500943E+22	1,500951E+22	1,704950E+22	2,012184E+22
2569	2,298199E+22	2,486350E+22	2,568377E+22	2,568431E+22	2,486457E+22	2,298306E+22	2,012264E+22	1,704997E+22	1,500984E+22	1,500975E+22	1,704962E+22	2,012199E+22
2570	2,298246E+22	2,486442E+22	2,568464E+22	2,568467E+22	2,486439E+22	2,298241E+22	2,012206E+22	1,704983E+22	1,501010E+22	1,501029E+22	1,705030E+22	2,012257E+22
2571	2,298267E+22	2,486407E+22	2,568370E+22	2,568329E+22	2,486321E+22	2,298187E+22	2,012202E+22	1,705012E+22	1,501048E+22	1,501040E+22	1,704997E+22	2,012201E+22
2572	2,298216E+22	2,486391E+22	2,568424E+22	2,568439E+22	2,486437E+22	2,298291E+22	2,012274E+22	1,705049E+22	1,501072E+22	1,501066E+22	1,705027E+22	2,012233E+22
2573	2,298262E+22	2,486447E+22	2,568472E+22	2,568463E+22	2,486392E+22	2,298180E+22	2,012180E+22	1,705004E+22	1,501064E+22	1,501082E+22	1,705051E+22	2,012242E+22
2574	2,298234E+22	2,486377E+22	2,568363E+22	2,568369E+22	2,486383E+22	2,298230E+22	2,012230E+22	1,705037E+22	1,501070E+22	1,501058E+22	1,705013E+22	2,012208E+22
2575	2,298207E+22	2,486391E+22	2,568448E+22	2,568481E+22	2,486482E+22	2,298308E+22	2,012262E+22	1,705033E+22	1,501064E+22	1,501073E+22	1,705050E+22	2,012258E+22
2576	2,298260E+22	2,486407E+22	2,568413E+22	2,568403E+22	2,486363E+22	2,298200E+22	2,012212E+22	1,705006E+22	1,501034E+22	1,501035E+22	1,705009E+22	2,012218E+22
2577	2,298220E+22	2,486356E+22	2,568343E+22	2,568370E+22	2,486410E+22	2,298282E+22	2,012278E+22	1,705045E+22	1,501037E+22	1,501008E+22	1,704964E+22	2,012179E+22
2578	2,298228E+22	2,486450E+22	2,568480E+22	2,568461E+22	2,486433E+22	2,298245E+22	2,012210E+22	1,704987E+22	1,501011E+22	1,501020E+22	1,705008E+22	2,012228E+22
2579	2,298245E+22	2,486415E+22	2,568413E+22	2,568370E+22	2,486326E+22	2,298166E+22	2,012164E+22	1,704959E+22	1,500987E+22	1,500984E+22	1,704958E+22	2,012176E+22
2580	2,298190E+22	2,486358E+22	2,568401E+22	2,568446E+22	2,486452E+22	2,298282E+22	2,012235E+22	1,704972E+22	1,500966E+22	1,500962E+22	1,704956E+22	2,012203E+22

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	2,298253E+22	2,486439E+22	2,568461E+22	2,568483E+22	2,486443E+22	2,298209E+22	2,012150E+22	1,704907E+22	1,500922E+22	1,500946E+22	1,704969E+22	2,012225E+22
2582	2,298258E+22	2,486408E+22	2,568372E+22	2,568350E+22	2,486369E+22	2,298220E+22	2,012186E+22	1,704933E+22	1,500917E+22	1,500905E+22	1,704911E+22	2,012174E+22
2583	2,298220E+22	2,486415E+22	2,568457E+22	2,568465E+22	2,486459E+22	2,298294E+22	2,012235E+22	1,704956E+22	1,500939E+22	1,500935E+22	1,704938E+22	2,012203E+22
2584	2,298267E+22	2,486458E+22	2,568475E+22	2,568452E+22	2,486379E+22	2,298180E+22	2,012166E+22	1,704932E+22	1,500941E+22	1,500946E+22	1,704940E+22	2,012175E+22
2585	2,298211E+22	2,486378E+22	2,568372E+22	2,568391E+22	2,486409E+22	2,298249E+22	2,012228E+22	1,704993E+22	1,500990E+22	1,500969E+22	1,704935E+22	2,012148E+22
2586	2,298188E+22	2,486417E+22	2,568474E+22	2,568485E+22	2,486474E+22	2,298274E+22	2,012212E+22	1,704979E+22	1,501010E+22	1,501030E+22	1,705023E+22	2,012239E+22
2587	2,298240E+22	2,486394E+22	2,568401E+22	2,568381E+22	2,486348E+22	2,298188E+22	2,012186E+22	1,704989E+22	1,501035E+22	1,501044E+22	1,705015E+22	2,012215E+22
2588	2,298200E+22	2,486326E+22	2,568335E+22	2,568377E+22	2,486407E+22	2,298279E+22	2,012286E+22	1,705067E+22	1,501082E+22	1,501068E+22	1,705025E+22	2,012229E+22
2589	2,298251E+22	2,486424E+22	2,568434E+22	2,568441E+22	2,486412E+22	2,298215E+22	2,012212E+22	1,705035E+22	1,501094E+22	1,501111E+22	1,705078E+22	2,012267E+22
2590	2,298259E+22	2,486404E+22	2,568373E+22	2,568319E+22	2,486301E+22	2,298176E+22	2,012221E+22	1,705066E+22	1,501122E+22	1,501114E+22	1,705053E+22	2,012222E+22
2591	2,298194E+22	2,486360E+22	2,568408E+22	2,568428E+22	2,486415E+22	2,298264E+22	2,012278E+22	1,705101E+22	1,501158E+22	1,501156E+22	1,705092E+22	2,012258E+22
2592	2,298248E+22	2,486413E+22	2,568441E+22	2,568445E+22	2,486391E+22	2,298193E+22	2,012208E+22	1,705053E+22	1,501137E+22	1,501157E+22	1,705102E+22	2,012257E+22
2593	2,298217E+22	2,486340E+22	2,568319E+22	2,568326E+22	2,486368E+22	2,298247E+22	2,012274E+22	1,705101E+22	1,501147E+22	1,501132E+22	1,705058E+22	2,012215E+22
2594	2,298195E+22	2,486375E+22	2,568418E+22	2,568429E+22	2,486432E+22	2,298284E+22	2,012280E+22	1,705089E+22	1,501137E+22	1,501137E+22	1,705089E+22	2,012272E+22
2595	2,298261E+22	2,486404E+22	2,568403E+22	2,568373E+22	2,486322E+22	2,298167E+22	2,012211E+22	1,705059E+22	1,501121E+22	1,501113E+22	1,705045E+22	2,012213E+22
2596	2,298193E+22	2,486331E+22	2,568330E+22	2,568348E+22	2,486370E+22	2,298243E+22	2,012277E+22	1,705094E+22	1,501120E+22	1,501094E+22	1,705022E+22	2,012193E+22
2597	2,298203E+22	2,486404E+22	2,568451E+22	2,568463E+22	2,486439E+22	2,298229E+22	2,012199E+22	1,705011E+22	1,501069E+22	1,501089E+22	1,705060E+22	2,012247E+22
2598	2,298231E+22	2,486385E+22	2,568388E+22	2,568353E+22	2,486327E+22	2,298179E+22	2,012185E+22	1,704991E+22	1,501032E+22	1,501037E+22	1,705012E+22	2,012213E+22
2599	2,298189E+22	2,486327E+22	2,568364E+22	2,568409E+22	2,486422E+22	2,298270E+22	2,012257E+22	1,705025E+22	1,501034E+22	1,501027E+22	1,705003E+22	2,012231E+22
2600	2,298266E+22	2,486434E+22	2,568440E+22	2,568448E+22	2,486419E+22	2,298208E+22	2,012182E+22	1,704967E+22	1,500998E+22	1,501010E+22	1,704999E+22	2,012223E+22
2601	2,298244E+22	2,486397E+22	2,568358E+22	2,568317E+22	2,486343E+22	2,298217E+22	2,012218E+22	1,705004E+22	1,501013E+22	1,500993E+22	1,704955E+22	2,012165E+22
2602	2,298189E+22	2,486397E+22	2,568451E+22	2,568447E+22	2,486426E+22	2,298265E+22	2,012243E+22	1,705013E+22	1,501028E+22	1,501026E+22	1,705001E+22	2,012220E+22
2603	2,298246E+22	2,486426E+22	2,568458E+22	2,568445E+22	2,486371E+22	2,298161E+22	2,012162E+22	1,704984E+22	1,501038E+22	1,501047E+22	1,705008E+22	2,012196E+22
2604	2,298183E+22	2,486322E+22	2,568323E+22	2,568351E+22	2,486386E+22	2,298244E+22	2,012249E+22	1,705051E+22	1,501081E+22	1,501070E+22	1,705017E+22	2,012195E+22
2605	2,298189E+22	2,486369E+22	2,568413E+22	2,568444E+22	2,486455E+22	2,298270E+22	2,012232E+22	1,705028E+22	1,501082E+22	1,501104E+22	1,705078E+22	2,012271E+22
2606	2,298253E+22	2,486389E+22	2,568374E+22	2,568331E+22	2,486305E+22	2,298175E+22	2,012214E+22	1,705052E+22	1,501111E+22	1,501113E+22	1,705066E+22	2,012242E+22
2607	2,298202E+22	2,486320E+22	2,568323E+22	2,568340E+22	2,486351E+22	2,298235E+22	2,012292E+22	1,705134E+22	1,501182E+22	1,501161E+22	1,705080E+22	2,012243E+22
2608	2,298244E+22	2,486417E+22	2,568435E+22	2,568431E+22	2,486391E+22	2,298198E+22	2,012224E+22	1,705090E+22	1,501185E+22	1,501200E+22	1,705128E+22	2,012264E+22
2609	2,298222E+22	2,486367E+22	2,568357E+22	2,568313E+22	2,486303E+22	2,298183E+22	2,012244E+22	1,705124E+22	1,501212E+22	1,501207E+22	1,705111E+22	2,012226E+22
2610	2,298163E+22	2,486321E+22	2,568376E+22	2,568403E+22	2,486401E+22	2,298264E+22	2,012298E+22	1,705149E+22	1,501228E+22	1,501231E+22	1,705148E+22	2,012286E+22
2611	2,298245E+22	2,486384E+22	2,568405E+22	2,568412E+22	2,486373E+22	2,298192E+22	2,012231E+22	1,705114E+22	1,501221E+22	1,501231E+22	1,705144E+22	2,012266E+22
2612	2,298201E+22	2,486309E+22	2,568280E+22	2,568277E+22	2,486325E+22	2,298233E+22	2,012301E+22	1,705169E+22	1,501238E+22	1,501214E+22	1,705109E+22	2,012230E+22
2613	2,298183E+22	2,486341E+22	2,568385E+22	2,568403E+22	2,486405E+22	2,298262E+22	2,012286E+22	1,705134E+22	1,501210E+22	1,501210E+22	1,705132E+22	2,012278E+22
2614	2,298245E+22	2,486388E+22	2,568396E+22	2,568359E+22	2,486298E+22	2,298150E+22	2,012221E+22	1,705103E+22	1,501186E+22	1,501184E+22	1,705105E+22	2,012240E+22
2615	2,298177E+22	2,486295E+22	2,568305E+22	2,568332E+22	2,486345E+22	2,298211E+22	2,012267E+22	1,705131E+22	1,501194E+22	1,501176E+22	1,705089E+22	2,012232E+22
2616	2,298208E+22	2,486379E+22	2,568416E+22	2,568433E+22	2,486429E+22	2,298238E+22	2,012217E+22	1,705045E+22	1,501127E+22	1,501153E+22	1,705108E+22	2,012271E+22

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	2,298233E+22	2,486366E+22	2,568360E+22	2,568318E+22	2,486307E+22	2,298190E+22	2,012220E+22	1,705046E+22	1,501097E+22	1,501097E+22	1,705047E+22	2,012221E+22
2618	2,298192E+22	2,486331E+22	2,568352E+22	2,568371E+22	2,486375E+22	2,298244E+22	2,012267E+22	1,705074E+22	1,501102E+22	1,501086E+22	1,705035E+22	2,012238E+22
2619	2,298265E+22	2,486436E+22	2,568444E+22	2,568436E+22	2,486394E+22	2,298187E+22	2,012185E+22	1,705023E+22	1,501088E+22	1,501090E+22	1,705033E+22	2,012209E+22
2620	2,298206E+22	2,486363E+22	2,568347E+22	2,568309E+22	2,486321E+22	2,298198E+22	2,012226E+22	1,705060E+22	1,501107E+22	1,501090E+22	1,705019E+22	2,012175E+22
2621	2,298151E+22	2,486328E+22	2,568402E+22	2,568439E+22	2,486430E+22	2,298263E+22	2,012249E+22	1,705054E+22	1,501104E+22	1,501109E+22	1,705062E+22	2,012241E+22
2622	2,298226E+22	2,486380E+22	2,568412E+22	2,568411E+22	2,486359E+22	2,298178E+22	2,012199E+22	1,705040E+22	1,501108E+22	1,501122E+22	1,705077E+22	2,012239E+22
2623	2,298181E+22	2,486283E+22	2,568270E+22	2,568295E+22	2,486334E+22	2,298218E+22	2,012271E+22	1,705122E+22	1,501175E+22	1,501158E+22	1,705080E+22	2,012232E+22
2624	2,298208E+22	2,486364E+22	2,568382E+22	2,568389E+22	2,486407E+22	2,298257E+22	2,012260E+22	1,705096E+22	1,501177E+22	1,501190E+22	1,705126E+22	2,012278E+22
2625	2,298246E+22	2,486384E+22	2,568368E+22	2,568304E+22	2,486267E+22	2,298159E+22	2,012238E+22	1,705122E+22	1,501213E+22	1,501211E+22	1,705119E+22	2,012241E+22
2626	2,298183E+22	2,486312E+22	2,568323E+22	2,568330E+22	2,486318E+22	2,298198E+22	2,012287E+22	1,705182E+22	1,501270E+22	1,501255E+22	1,705145E+22	2,012264E+22
2627	2,298229E+22	2,486392E+22	2,568424E+22	2,568433E+22	2,486394E+22	2,298190E+22	2,012222E+22	1,705138E+22	1,501277E+22	1,501293E+22	1,705188E+22	2,012280E+22
2628	2,298196E+22	2,486317E+22	2,568314E+22	2,568288E+22	2,486292E+22	2,298192E+22	2,012272E+22	1,705180E+22	1,501296E+22	1,501295E+22	1,705179E+22	2,012259E+22
2629	2,298154E+22	2,486269E+22	2,568320E+22	2,568371E+22	2,486385E+22	2,298266E+22	2,012326E+22	1,705203E+22	1,501298E+22	1,501294E+22	1,705188E+22	2,012300E+22
2630	2,298243E+22	2,486373E+22	2,568382E+22	2,568373E+22	2,486336E+22	2,298186E+22	2,012262E+22	1,705177E+22	1,501294E+22	1,501297E+22	1,705189E+22	2,012279E+22
2631	2,298186E+22	2,486286E+22	2,568260E+22	2,568245E+22	2,486271E+22	2,298192E+22	2,012304E+22	1,705228E+22	1,501330E+22	1,501304E+22	1,705165E+22	2,012244E+22
2632	2,298173E+22	2,486323E+22	2,568367E+22	2,568381E+22	2,486380E+22	2,298250E+22	2,012293E+22	1,705174E+22	1,501285E+22	1,501291E+22	1,705184E+22	2,012285E+22
2633	2,298219E+22	2,486353E+22	2,568368E+22	2,568342E+22	2,486292E+22	2,298154E+22	2,012236E+22	1,705145E+22	1,501257E+22	1,501262E+22	1,705159E+22	2,012258E+22
2634	2,298172E+22	2,486274E+22	2,568273E+22	2,568303E+22	2,486323E+22	2,298201E+22	2,012273E+22	1,705162E+22	1,501248E+22	1,501236E+22	1,705138E+22	2,012267E+22
2635	2,298226E+22	2,486375E+22	2,568396E+22	2,568409E+22	2,486406E+22	2,298226E+22	2,012227E+22	1,705094E+22	1,501197E+22	1,501209E+22	1,705136E+22	2,012275E+22
2636	2,298225E+22	2,486352E+22	2,568339E+22	2,568288E+22	2,486272E+22	2,298178E+22	2,012242E+22	1,705105E+22	1,501178E+22	1,501170E+22	1,705087E+22	2,012226E+22
2637	2,298174E+22	2,486300E+22	2,568333E+22	2,568364E+22	2,486356E+22	2,298231E+22	2,012279E+22	1,705119E+22	1,501172E+22	1,501154E+22	1,705070E+22	2,012230E+22
2638	2,298234E+22	2,486411E+22	2,568436E+22	2,568431E+22	2,486379E+22	2,298180E+22	2,012202E+22	1,705073E+22	1,501161E+22	1,501168E+22	1,705095E+22	2,012227E+22
2639	2,298173E+22	2,486309E+22	2,568304E+22	2,568287E+22	2,486298E+22	2,298181E+22	2,012234E+22	1,705115E+22	1,501199E+22	1,501189E+22	1,705094E+22	2,012214E+22
2640	2,298152E+22	2,486292E+22	2,568345E+22	2,568385E+22	2,486405E+22	2,298277E+22	2,012280E+22	1,705107E+22	1,501184E+22	1,501193E+22	1,705122E+22	2,012269E+22
2641	2,298227E+22	2,486356E+22	2,568368E+22	2,568358E+22	2,486318E+22	2,298175E+22	2,012237E+22	1,705113E+22	1,501201E+22	1,501207E+22	1,705128E+22	2,012256E+22
2642	2,298192E+22	2,486290E+22	2,568254E+22	2,568253E+22	2,486273E+22	2,298174E+22	2,012271E+22	1,705177E+22	1,501264E+22	1,501243E+22	1,705132E+22	2,012251E+22
2643	2,298212E+22	2,486371E+22	2,568391E+22	2,568381E+22	2,486371E+22	2,298217E+22	2,012253E+22	1,705154E+22	1,501278E+22	1,501285E+22	1,705176E+22	2,012274E+22
2644	2,298210E+22	2,486352E+22	2,568361E+22	2,568308E+22	2,486255E+22	2,298143E+22	2,012245E+22	1,705176E+22	1,501308E+22	1,501314E+22	1,705190E+22	2,012258E+22
2645	2,298148E+22	2,486251E+22	2,568287E+22	2,568332E+22	2,486330E+22	2,298208E+22	2,012300E+22	1,705222E+22	1,501342E+22	1,501334E+22	1,705201E+22	2,012281E+22
2646	2,298210E+22	2,486353E+22	2,568386E+22	2,568408E+22	2,486389E+22	2,298216E+22	2,012267E+22	1,705197E+22	1,501345E+22	1,501366E+22	1,705249E+22	2,012309E+22
2647	2,298186E+22	2,486276E+22	2,568261E+22	2,568241E+22	2,486252E+22	2,298180E+22	2,012305E+22	1,705256E+22	1,501392E+22	1,501382E+22	1,705235E+22	2,012285E+22
2648	2,298162E+22	2,486254E+22	2,568274E+22	2,568311E+22	2,486343E+22	2,298265E+22	2,012359E+22	1,705270E+22	1,501390E+22	1,501378E+22	1,705233E+22	2,012302E+22
2649	2,298225E+22	2,486356E+22	2,568364E+22	2,568343E+22	2,486298E+22	2,298169E+22	2,012287E+22	1,705243E+22	1,501388E+22	1,501388E+22	1,705241E+22	2,012285E+22
2650	2,298173E+22	2,486274E+22	2,568248E+22	2,568227E+22	2,486229E+22	2,298144E+22	2,012287E+22	1,705262E+22	1,501403E+22	1,501386E+22	1,705230E+22	2,012276E+22
2651	2,298172E+22	2,486308E+22	2,568352E+22	2,568372E+22	2,486366E+22	2,298230E+22	2,012282E+22	1,705206E+22	1,501355E+22	1,501365E+22	1,705238E+22	2,012308E+22
2652	2,298212E+22	2,486325E+22	2,568334E+22	2,568317E+22	2,486275E+22	2,298155E+22	2,012252E+22	1,705179E+22	1,501312E+22	1,501325E+22	1,705210E+22	2,012286E+22

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	2,298174E+22	2,486249E+22	2,568239E+22	2,568279E+22	2,486300E+22	2,298193E+22	2,012287E+22	1,705197E+22	1,501295E+22	1,501276E+22	1,705157E+22	2,012267E+22
2654	2,298225E+22	2,486379E+22	2,568393E+22	2,568390E+22	2,486378E+22	2,298221E+22	2,012252E+22	1,705144E+22	1,501257E+22	1,501263E+22	1,705165E+22	2,012268E+22
2655	2,298197E+22	2,486328E+22	2,568327E+22	2,568280E+22	2,486239E+22	2,298146E+22	2,012249E+22	1,705161E+22	1,501266E+22	1,501254E+22	1,705135E+22	2,012227E+22
2656	2,298146E+22	2,486266E+22	2,568301E+22	2,568343E+22	2,486348E+22	2,298236E+22	2,012298E+22	1,705170E+22	1,501255E+22	1,501240E+22	1,705124E+22	2,012230E+22
2657	2,298191E+22	2,486356E+22	2,568393E+22	2,568409E+22	2,486373E+22	2,298195E+22	2,012236E+22	1,705132E+22	1,501247E+22	1,501258E+22	1,705155E+22	2,012247E+22
2658	2,298164E+22	2,486274E+22	2,568252E+22	2,568240E+22	2,486258E+22	2,298162E+22	2,012248E+22	1,705164E+22	1,501277E+22	1,501272E+22	1,705161E+22	2,012255E+22
2659	2,298169E+22	2,486286E+22	2,568313E+22	2,568342E+22	2,486360E+22	2,298249E+22	2,012293E+22	1,705172E+22	1,501279E+22	1,501278E+22	1,705173E+22	2,012284E+22
2660	2,298225E+22	2,486346E+22	2,568344E+22	2,568320E+22	2,486273E+22	2,298151E+22	2,012252E+22	1,705174E+22	1,501298E+22	1,501306E+22	1,705192E+22	2,012276E+22
2661	2,298180E+22	2,486267E+22	2,568243E+22	2,568250E+22	2,486249E+22	2,298149E+22	2,012274E+22	1,705222E+22	1,501344E+22	1,501327E+22	1,705185E+22	2,012260E+22
2662	2,298194E+22	2,486354E+22	2,568389E+22	2,568388E+22	2,486366E+22	2,298211E+22	2,012267E+22	1,705202E+22	1,501356E+22	1,501374E+22	1,705247E+22	2,012298E+22
2663	2,298183E+22	2,486301E+22	2,568321E+22	2,568296E+22	2,486248E+22	2,298141E+22	2,012264E+22	1,705233E+22	1,501400E+22	1,501412E+22	1,705264E+22	2,012295E+22
2664	2,298148E+22	2,486219E+22	2,568229E+22	2,568281E+22	2,486316E+22	2,298238E+22	2,012348E+22	1,705285E+22	1,501423E+22	1,501414E+22	1,705254E+22	2,012296E+22
2665	2,298199E+22	2,486328E+22	2,568345E+22	2,568358E+22	2,486351E+22	2,298220E+22	2,012318E+22	1,705280E+22	1,501442E+22	1,501448E+22	1,705289E+22	2,012316E+22
2666	2,298188E+22	2,486274E+22	2,568237E+22	2,568197E+22	2,486194E+22	2,298138E+22	2,012311E+22	1,705317E+22	1,501485E+22	1,501469E+22	1,705287E+22	2,012300E+22
2667	2,298161E+22	2,486254E+22	2,568271E+22	2,568294E+22	2,486301E+22	2,298217E+22	2,012350E+22	1,705324E+22	1,501484E+22	1,501467E+22	1,705284E+22	2,012302E+22
2668	2,298191E+22	2,486319E+22	2,568339E+22	2,568331E+22	2,486278E+22	2,298146E+22	2,012285E+22	1,705282E+22	1,501466E+22	1,501478E+22	1,705311E+22	2,012311E+22
2669	2,298149E+22	2,486225E+22	2,568216E+22	2,568222E+22	2,486229E+22	2,298142E+22	2,012288E+22	1,705280E+22	1,501448E+22	1,501442E+22	1,705275E+22	2,012298E+22
2670	2,298170E+22	2,486290E+22	2,568329E+22	2,568351E+22	2,486352E+22	2,298236E+22	2,012309E+22	1,705242E+22	1,501398E+22	1,501415E+22	1,705281E+22	2,012327E+22
2671	2,298206E+22	2,486302E+22	2,568302E+22	2,568289E+22	2,486246E+22	2,298141E+22	2,012274E+22	1,705236E+22	1,501386E+22	1,501389E+22	1,705246E+22	2,012296E+22
2672	2,298176E+22	2,486247E+22	2,568215E+22	2,568239E+22	2,486277E+22	2,298202E+22	2,012318E+22	1,705251E+22	1,501369E+22	1,501343E+22	1,705185E+22	2,012250E+22
2673	2,298188E+22	2,486355E+22	2,568382E+22	2,568377E+22	2,486358E+22	2,298216E+22	2,012284E+22	1,705210E+22	1,501345E+22	1,501345E+22	1,705205E+22	2,012263E+22
2674	2,298170E+22	2,486298E+22	2,568301E+22	2,568264E+22	2,486217E+22	2,298116E+22	2,012245E+22	1,705204E+22	1,501348E+22	1,501344E+22	1,705204E+22	2,012257E+22
2675	2,298137E+22	2,486233E+22	2,568261E+22	2,568315E+22	2,486329E+22	2,298220E+22	2,012304E+22	1,705218E+22	1,501338E+22	1,501328E+22	1,705190E+22	2,012260E+22
2676	2,298180E+22	2,486315E+22	2,568336E+22	2,568359E+22	2,486340E+22	2,298190E+22	2,012263E+22	1,705187E+22	1,501325E+22	1,501344E+22	1,705227E+22	2,012288E+22
2677	2,298169E+22	2,486253E+22	2,568220E+22	2,568203E+22	2,486216E+22	2,298137E+22	2,012259E+22	1,705209E+22	1,501344E+22	1,501337E+22	1,705202E+22	2,012272E+22
2678	2,298177E+22	2,486298E+22	2,568317E+22	2,568321E+22	2,486319E+22	2,298222E+22	2,012306E+22	1,705222E+22	1,501356E+22	1,501358E+22	1,705226E+22	2,012292E+22
2679	2,298205E+22	2,486329E+22	2,568338E+22	2,568316E+22	2,486248E+22	2,298120E+22	2,012255E+22	1,705230E+22	1,501394E+22	1,501403E+22	1,705255E+22	2,012290E+22
2680	2,298162E+22	2,486242E+22	2,568216E+22	2,568232E+22	2,486252E+22	2,298164E+22	2,012297E+22	1,705274E+22	1,501430E+22	1,501417E+22	1,705243E+22	2,012267E+22
2681	2,298157E+22	2,486305E+22	2,568353E+22	2,568373E+22	2,486369E+22	2,298236E+22	2,012318E+22	1,705274E+22	1,501447E+22	1,501461E+22	1,705301E+22	2,012318E+22
2682	2,298177E+22	2,486270E+22	2,568272E+22	2,568253E+22	2,486216E+22	2,298128E+22	2,012292E+22	1,705300E+22	1,501489E+22	1,501498E+22	1,705325E+22	2,012325E+22
2683	2,298155E+22	2,486207E+22	2,568193E+22	2,568231E+22	2,486271E+22	2,298213E+22	2,012374E+22	1,705365E+22	1,501528E+22	1,501504E+22	1,705304E+22	2,012302E+22
2684	2,298178E+22	2,486302E+22	2,568314E+22	2,568316E+22	2,486305E+22	2,298196E+22	2,012338E+22	1,705346E+22	1,501541E+22	1,501548E+22	1,705355E+22	2,012331E+22
2685	2,298162E+22	2,486242E+22	2,568222E+22	2,568183E+22	2,486157E+22	2,298098E+22	2,012304E+22	1,705353E+22	1,501558E+22	1,501549E+22	1,705343E+22	2,012315E+22
2686	2,298144E+22	2,486235E+22	2,568265E+22	2,568290E+22	2,486287E+22	2,298196E+22	2,012347E+22	1,705355E+22	1,501547E+22	1,501547E+22	1,705353E+22	2,012331E+22
2687	2,298176E+22	2,486279E+22	2,568301E+22	2,568312E+22	2,486269E+22	2,298138E+22	2,012290E+22	1,705317E+22	1,501531E+22	1,501553E+22	1,705373E+22	2,012350E+22
2688	2,298162E+22	2,486211E+22	2,568172E+22	2,568175E+22	2,486218E+22	2,298163E+22	2,012321E+22	1,705323E+22	1,501501E+22	1,501493E+22	1,705307E+22	2,012306E+22

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	2,298163E+22	2,486280E+22	2,568311E+22	2,568322E+22	2,486327E+22	2,298237E+22	2,012350E+22	1,705308E+22	1,501471E+22	1,501468E+22	1,705297E+22	2,012321E+22
2690	2,298201E+22	2,486299E+22	2,568291E+22	2,568265E+22	2,486209E+22	2,298106E+22	2,012279E+22	1,705285E+22	1,501463E+22	1,501460E+22	1,705283E+22	2,012294E+22
2691	2,298156E+22	2,486235E+22	2,568211E+22	2,568230E+22	2,486255E+22	2,298171E+22	2,012322E+22	1,705307E+22	1,501455E+22	1,501426E+22	1,705233E+22	2,012243E+22
2692	2,298137E+22	2,486298E+22	2,568343E+22	2,568359E+22	2,486351E+22	2,298211E+22	2,012297E+22	1,705256E+22	1,501425E+22	1,501437E+22	1,705278E+22	2,012289E+22
2693	2,298139E+22	2,486237E+22	2,568254E+22	2,568238E+22	2,486205E+22	2,298113E+22	2,012257E+22	1,705238E+22	1,501406E+22	1,501412E+22	1,705261E+22	2,012292E+22
2694	2,298143E+22	2,486215E+22	2,568228E+22	2,568274E+22	2,486297E+22	2,298209E+22	2,012328E+22	1,705266E+22	1,501403E+22	1,501399E+22	1,705250E+22	2,012293E+22
2695	2,298185E+22	2,486298E+22	2,568299E+22	2,568312E+22	2,486295E+22	2,298163E+22	2,012280E+22	1,705250E+22	1,501414E+22	1,501428E+22	1,705283E+22	2,012316E+22
2696	2,298182E+22	2,486260E+22	2,568204E+22	2,568163E+22	2,486187E+22	2,298133E+22	2,012281E+22	1,705264E+22	1,501426E+22	1,501417E+22	1,705247E+22	2,012271E+22
2697	2,298153E+22	2,486286E+22	2,568322E+22	2,568319E+22	2,486300E+22	2,298206E+22	2,012330E+22	1,705290E+22	1,501450E+22	1,501446E+22	1,705275E+22	2,012299E+22
2698	2,298187E+22	2,486303E+22	2,568319E+22	2,568310E+22	2,486241E+22	2,298099E+22	2,012257E+22	1,705280E+22	1,501484E+22	1,501501E+22	1,705326E+22	2,012320E+22
2699	2,298153E+22	2,486215E+22	2,568187E+22	2,568209E+22	2,486243E+22	2,298162E+22	2,012321E+22	1,705337E+22	1,501520E+22	1,501508E+22	1,705306E+22	2,012285E+22
2700	2,298134E+22	2,486256E+22	2,568295E+22	2,568322E+22	2,486339E+22	2,298238E+22	2,012359E+22	1,705348E+22	1,501541E+22	1,501553E+22	1,705366E+22	2,012343E+22
2701	2,298163E+22	2,486238E+22	2,568238E+22	2,568212E+22	2,486173E+22	2,298104E+22	2,012311E+22	1,705362E+22	1,501574E+22	1,501574E+22	1,705369E+22	2,012336E+22
2702	2,298148E+22	2,486202E+22	2,568188E+22	2,568203E+22	2,486225E+22	2,298177E+22	2,012381E+22	1,705418E+22	1,501614E+22	1,501597E+22	1,705366E+22	2,012311E+22
2703	2,298148E+22	2,486266E+22	2,568292E+22	2,568298E+22	2,486275E+22	2,298161E+22	2,012336E+22	1,705397E+22	1,501633E+22	1,501647E+22	1,705427E+22	2,012357E+22
2704	2,298148E+22	2,486212E+22	2,568189E+22	2,568158E+22	2,486159E+22	2,298109E+22	2,012315E+22	1,705388E+22	1,501623E+22	1,501625E+22	1,705399E+22	2,012332E+22
2705	2,298123E+22	2,486199E+22	2,568236E+22	2,568272E+22	2,486282E+22	2,298208E+22	2,012382E+22	1,705407E+22	1,501613E+22	1,501610E+22	1,705393E+22	2,012355E+22
2706	2,298186E+22	2,486262E+22	2,568264E+22	2,568275E+22	2,486245E+22	2,298125E+22	2,012307E+22	1,705367E+22	1,501597E+22	1,501614E+22	1,705413E+22	2,012371E+22
2707	2,298174E+22	2,486215E+22	2,568159E+22	2,568142E+22	2,486185E+22	2,298143E+22	2,012342E+22	1,705387E+22	1,501581E+22	1,501558E+22	1,705336E+22	2,012299E+22
2708	2,298135E+22	2,486253E+22	2,568291E+22	2,568295E+22	2,486298E+22	2,298224E+22	2,012374E+22	1,705369E+22	1,501553E+22	1,501549E+22	1,705346E+22	2,012323E+22
2709	2,298161E+22	2,486260E+22	2,568282E+22	2,568260E+22	2,486189E+22	2,298080E+22	2,012278E+22	1,705324E+22	1,501528E+22	1,501530E+22	1,705332E+22	2,012306E+22
2710	2,298133E+22	2,486203E+22	2,568193E+22	2,568216E+22	2,486243E+22	2,298159E+22	2,012325E+22	1,705339E+22	1,501521E+22	1,501509E+22	1,705304E+22	2,012274E+22
2711	2,298120E+22	2,486247E+22	2,568289E+22	2,568317E+22	2,486332E+22	2,298207E+22	2,012313E+22	1,705300E+22	1,501496E+22	1,501517E+22	1,705346E+22	2,012336E+22
2712	2,298158E+22	2,486225E+22	2,568203E+22	2,568173E+22	2,486176E+22	2,298121E+22	2,012286E+22	1,705288E+22	1,501470E+22	1,501473E+22	1,705303E+22	2,012310E+22
2713	2,298148E+22	2,486216E+22	2,568220E+22	2,568244E+22	2,486257E+22	2,298188E+22	2,012355E+22	1,705335E+22	1,501488E+22	1,501466E+22	1,705279E+22	2,012301E+22
2714	2,298193E+22	2,486304E+22	2,568300E+22	2,568294E+22	2,486255E+22	2,298116E+22	2,012272E+22	1,705299E+22	1,501501E+22	1,501513E+22	1,705332E+22	2,012324E+22
2715	2,298168E+22	2,486252E+22	2,568211E+22	2,568164E+22	2,486170E+22	2,298103E+22	2,012286E+22	1,705323E+22	1,501517E+22	1,501508E+22	1,705302E+22	2,012270E+22
2716	2,298104E+22	2,486229E+22	2,568289E+22	2,568309E+22	2,486306E+22	2,298215E+22	2,012354E+22	1,705346E+22	1,501537E+22	1,501542E+22	1,705345E+22	2,012319E+22
2717	2,298148E+22	2,486242E+22	2,568277E+22	2,568285E+22	2,486232E+22	2,298105E+22	2,012282E+22	1,705331E+22	1,501558E+22	1,501577E+22	1,705381E+22	2,012343E+22
2718	2,298145E+22	2,486186E+22	2,568151E+22	2,568166E+22	2,486213E+22	2,298159E+22	2,012356E+22	1,705403E+22	1,501609E+22	1,501598E+22	1,705369E+22	2,012307E+22
2719	2,298120E+22	2,486219E+22	2,568246E+22	2,568268E+22	2,486296E+22	2,298219E+22	2,012383E+22	1,705423E+22	1,501647E+22	1,501653E+22	1,705431E+22	2,012368E+22
2720	2,298163E+22	2,486224E+22	2,568205E+22	2,568162E+22	2,486139E+22	2,298096E+22	2,012332E+22	1,705424E+22	1,501667E+22	1,501666E+22	1,705427E+22	2,012345E+22
2721	2,298125E+22	2,486178E+22	2,568180E+22	2,568193E+22	2,486200E+22	2,298152E+22	2,012394E+22	1,705481E+22	1,501707E+22	1,501685E+22	1,705424E+22	2,012338E+22
2722	2,298146E+22	2,486237E+22	2,568262E+22	2,568277E+22	2,486256E+22	2,298135E+22	2,012328E+22	1,705433E+22	1,501709E+22	1,501734E+22	1,705497E+22	2,012398E+22
2723	2,298158E+22	2,486198E+22	2,568166E+22	2,568131E+22	2,486140E+22	2,298104E+22	2,012336E+22	1,705437E+22	1,501690E+22	1,501693E+22	1,705448E+22	2,012353E+22
2724	2,298117E+22	2,486174E+22	2,568200E+22	2,568233E+22	2,486256E+22	2,298208E+22	2,012413E+22	1,705465E+22	1,501683E+22	1,501674E+22	1,705433E+22	2,012367E+22

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	2,298175E+22	2,486249E+22	2,568256E+22	2,568250E+22	2,486213E+22	2,298106E+22	2,012317E+22	1,705413E+22	1,501662E+22	1,501667E+22	1,705434E+22	2,012364E+22
2726	2,298160E+22	2,486212E+22	2,568170E+22	2,568135E+22	2,486160E+22	2,298120E+22	2,012347E+22	1,705429E+22	1,501654E+22	1,501636E+22	1,705381E+22	2,012292E+22
2727	2,298093E+22	2,486202E+22	2,568260E+22	2,568281E+22	2,486285E+22	2,298207E+22	2,012379E+22	1,705417E+22	1,501635E+22	1,501635E+22	1,705407E+22	2,012342E+22
2728	2,298139E+22	2,486216E+22	2,568235E+22	2,568228E+22	2,486193E+22	2,298100E+22	2,012298E+22	1,705364E+22	1,501593E+22	1,501600E+22	1,705385E+22	2,012326E+22
2729	2,298115E+22	2,486164E+22	2,568158E+22	2,568185E+22	2,486221E+22	2,298160E+22	2,012357E+22	1,705396E+22	1,501590E+22	1,501571E+22	1,705347E+22	2,012307E+22
2730	2,298140E+22	2,486230E+22	2,568246E+22	2,568265E+22	2,486286E+22	2,298180E+22	2,012323E+22	1,705353E+22	1,501573E+22	1,501589E+22	1,705396E+22	2,012366E+22
2731	2,298179E+22	2,486237E+22	2,568198E+22	2,568141E+22	2,486132E+22	2,298091E+22	2,012298E+22	1,705347E+22	1,501552E+22	1,501548E+22	1,705342E+22	2,012310E+22
2732	2,298127E+22	2,486197E+22	2,568211E+22	2,568225E+22	2,486227E+22	2,298165E+22	2,012364E+22	1,705391E+22	1,501575E+22	1,501555E+22	1,705335E+22	2,012306E+22
2733	2,298157E+22	2,486271E+22	2,568300E+22	2,568297E+22	2,486245E+22	2,298095E+22	2,012269E+22	1,705339E+22	1,501575E+22	1,501591E+22	1,705385E+22	2,012337E+22
2734	2,298147E+22	2,486220E+22	2,568198E+22	2,568162E+22	2,486172E+22	2,298104E+22	2,012295E+22	1,705363E+22	1,501596E+22	1,501602E+22	1,705373E+22	2,012295E+22
2735	2,298080E+22	2,486167E+22	2,568226E+22	2,568266E+22	2,486291E+22	2,298226E+22	2,012389E+22	1,705412E+22	1,501627E+22	1,501633E+22	1,705414E+22	2,012356E+22
2736	2,298154E+22	2,486215E+22	2,568220E+22	2,568221E+22	2,486205E+22	2,298120E+22	2,012326E+22	1,705404E+22	1,501645E+22	1,501655E+22	1,705428E+22	2,012355E+22
2737	2,298136E+22	2,486171E+22	2,568133E+22	2,568127E+22	2,486163E+22	2,298137E+22	2,012388E+22	1,705485E+22	1,501713E+22	1,501684E+22	1,705413E+22	2,012321E+22
2738	2,298122E+22	2,486204E+22	2,568224E+22	2,568233E+22	2,486246E+22	2,298174E+22	2,012380E+22	1,705481E+22	1,501748E+22	1,501756E+22	1,705498E+22	2,012388E+22
2739	2,298155E+22	2,486210E+22	2,568197E+22	2,568149E+22	2,486111E+22	2,298064E+22	2,012334E+22	1,705479E+22	1,501757E+22	1,501761E+22	1,705492E+22	2,012361E+22
2740	2,298096E+22	2,486131E+22	2,568145E+22	2,568176E+22	2,486193E+22	2,298151E+22	2,012407E+22	1,705527E+22	1,501786E+22	1,501773E+22	1,705493E+22	2,012368E+22
2741	2,298130E+22	2,486203E+22	2,568236E+22	2,568253E+22	2,486238E+22	2,298132E+22	2,012344E+22	1,705474E+22	1,501767E+22	1,501792E+22	1,705539E+22	2,012421E+22
2742	2,298165E+22	2,486191E+22	2,568154E+22	2,568109E+22	2,486116E+22	2,298098E+22	2,012357E+22	1,705486E+22	1,501761E+22	1,501763E+22	1,705489E+22	2,012358E+22
2743	2,298103E+22	2,486149E+22	2,568172E+22	2,568201E+22	2,486227E+22	2,298199E+22	2,012436E+22	1,705526E+22	1,501768E+22	1,501750E+22	1,705475E+22	2,012371E+22
2744	2,298161E+22	2,486233E+22	2,568233E+22	2,568221E+22	2,486196E+22	2,298107E+22	2,012338E+22	1,705466E+22	1,501737E+22	1,501739E+22	1,705472E+22	2,012357E+22
2745	2,298123E+22	2,486178E+22	2,568160E+22	2,568135E+22	2,486147E+22	2,298109E+22	2,012362E+22	1,705486E+22	1,501735E+22	1,501711E+22	1,705430E+22	2,012315E+22
2746	2,298085E+22	2,486158E+22	2,568211E+22	2,568250E+22	2,486266E+22	2,298191E+22	2,012374E+22	1,705450E+22	1,501706E+22	1,501716E+22	1,705474E+22	2,012381E+22
2747	2,298149E+22	2,486193E+22	2,568195E+22	2,568184E+22	2,486155E+22	2,298088E+22	2,012320E+22	1,705414E+22	1,501658E+22	1,501668E+22	1,705435E+22	2,012351E+22
2748	2,298116E+22	2,486142E+22	2,568120E+22	2,568140E+22	2,486180E+22	2,298144E+22	2,012375E+22	1,705451E+22	1,501663E+22	1,501639E+22	1,705392E+22	2,012323E+22
2749	2,298135E+22	2,486229E+22	2,568248E+22	2,568240E+22	2,486238E+22	2,298141E+22	2,012318E+22	1,705392E+22	1,501639E+22	1,501651E+22	1,705426E+22	2,012365E+22
2750	2,298170E+22	2,486238E+22	2,568217E+22	2,568147E+22	2,486111E+22	2,298065E+22	2,012293E+22	1,705382E+22	1,501628E+22	1,501634E+22	1,705392E+22	2,012306E+22
2751	2,298087E+22	2,486151E+22	2,568185E+22	2,568221E+22	2,486227E+22	2,298163E+22	2,012373E+22	1,705438E+22	1,501658E+22	1,501644E+22	1,705397E+22	2,012324E+22
2752	2,298134E+22	2,486224E+22	2,568248E+22	2,568269E+22	2,486258E+22	2,298130E+22	2,012303E+22	1,705391E+22	1,501649E+22	1,501667E+22	1,705437E+22	2,012352E+22
2753	2,298125E+22	2,486174E+22	2,568156E+22	2,568134E+22	2,486154E+22	2,298117E+22	2,012345E+22	1,705443E+22	1,501688E+22	1,501678E+22	1,705422E+22	2,012327E+22
2754	2,298091E+22	2,486135E+22	2,568166E+22	2,568205E+22	2,486242E+22	2,298205E+22	2,012414E+22	1,705487E+22	1,501731E+22	1,501729E+22	1,705476E+22	2,012383E+22
2755	2,298162E+22	2,486211E+22	2,568199E+22	2,568175E+22	2,486145E+22	2,298090E+22	2,012353E+22	1,705484E+22	1,501752E+22	1,501756E+22	1,705488E+22	2,012364E+22
2756	2,298114E+22	2,486145E+22	2,568115E+22	2,568101E+22	2,486119E+22	2,298104E+22	2,012397E+22	1,705550E+22	1,501816E+22	1,501791E+22	1,705487E+22	2,012340E+22
2757	2,298095E+22	2,486178E+22	2,568218E+22	2,568223E+22	2,486218E+22	2,298139E+22	2,012368E+22	1,705519E+22	1,501828E+22	1,501845E+22	1,705564E+22	2,012417E+22
2758	2,298151E+22	2,486192E+22	2,568186E+22	2,568146E+22	2,486108E+22	2,298060E+22	2,012334E+22	1,705507E+22	1,501828E+22	1,501851E+22	1,705560E+22	2,012391E+22
2759	2,298091E+22	2,486095E+22	2,568097E+22	2,568140E+22	2,486177E+22	2,298158E+22	2,012434E+22	1,705579E+22	1,501858E+22	1,501846E+22	1,705547E+22	2,012398E+22
2760	2,298143E+22	2,486194E+22	2,568200E+22	2,568212E+22	2,486222E+22	2,298147E+22	2,012381E+22	1,705534E+22	1,501839E+22	1,501849E+22	1,705564E+22	2,012417E+22

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	2,298150E+22	2,486183E+22	2,568156E+22	2,568102E+22	2,486087E+22	2,298083E+22	2,012383E+22	1,705554E+22	1,501846E+22	1,501828E+22	1,705515E+22	2,012356E+22
2762	2,298086E+22	2,486119E+22	2,568146E+22	2,568180E+22	2,486196E+22	2,298170E+22	2,012437E+22	1,705576E+22	1,501854E+22	1,501838E+22	1,705529E+22	2,012376E+22
2763	2,298133E+22	2,486200E+22	2,568211E+22	2,568209E+22	2,486177E+22	2,298095E+22	2,012353E+22	1,705514E+22	1,501812E+22	1,501820E+22	1,705528E+22	2,012366E+22
2764	2,298086E+22	2,486118E+22	2,568106E+22	2,568103E+22	2,486130E+22	2,298109E+22	2,012379E+22	1,705528E+22	1,501804E+22	1,501789E+22	1,705493E+22	2,012343E+22
2765	2,298074E+22	2,486127E+22	2,568172E+22	2,568205E+22	2,486225E+22	2,298175E+22	2,012385E+22	1,705488E+22	1,501761E+22	1,501772E+22	1,705515E+22	2,012409E+22
2766	2,298168E+22	2,486197E+22	2,568179E+22	2,568155E+22	2,486120E+22	2,298068E+22	2,012324E+22	1,705451E+22	1,501726E+22	1,501739E+22	1,705478E+22	2,012362E+22
2767	2,298113E+22	2,486129E+22	2,568098E+22	2,568110E+22	2,486146E+22	2,298124E+22	2,012384E+22	1,705498E+22	1,501740E+22	1,501715E+22	1,705439E+22	2,012334E+22
2768	2,298128E+22	2,486220E+22	2,568235E+22	2,568228E+22	2,486227E+22	2,298138E+22	2,012332E+22	1,705438E+22	1,501709E+22	1,501719E+22	1,705466E+22	2,012362E+22
2769	2,298137E+22	2,486208E+22	2,568213E+22	2,568162E+22	2,486111E+22	2,298062E+22	2,012311E+22	1,705437E+22	1,501709E+22	1,501708E+22	1,705443E+22	2,012330E+22
2770	2,298077E+22	2,486104E+22	2,568132E+22	2,568189E+22	2,486214E+22	2,298166E+22	2,012392E+22	1,705487E+22	1,501741E+22	1,501734E+22	1,705463E+22	2,012354E+22
2771	2,298135E+22	2,486200E+22	2,568205E+22	2,568221E+22	2,486219E+22	2,298132E+22	2,012350E+22	1,705465E+22	1,501737E+22	1,501751E+22	1,705491E+22	2,012369E+22
2772	2,298115E+22	2,486145E+22	2,568112E+22	2,568085E+22	2,486106E+22	2,298100E+22	2,012377E+22	1,705523E+22	1,501792E+22	1,501772E+22	1,705480E+22	2,012339E+22
2773	2,298078E+22	2,486128E+22	2,568155E+22	2,568168E+22	2,486182E+22	2,298160E+22	2,012414E+22	1,705544E+22	1,501825E+22	1,501821E+22	1,705530E+22	2,012393E+22
2774	2,298151E+22	2,486203E+22	2,568201E+22	2,568172E+22	2,486116E+22	2,298054E+22	2,012343E+22	1,705527E+22	1,501848E+22	1,501866E+22	1,705561E+22	2,012378E+22
2775	2,298083E+22	2,486101E+22	2,568083E+22	2,568090E+22	2,486112E+22	2,298095E+22	2,012400E+22	1,705593E+22	1,501902E+22	1,501889E+22	1,705565E+22	2,012375E+22
2776	2,298088E+22	2,486143E+22	2,568173E+22	2,568197E+22	2,486218E+22	2,298157E+22	2,012394E+22	1,705564E+22	1,501896E+22	1,501917E+22	1,705615E+22	2,012437E+22
2777	2,298142E+22	2,486166E+22	2,568161E+22	2,568133E+22	2,486097E+22	2,298070E+22	2,012376E+22	1,705576E+22	1,501906E+22	1,501914E+22	1,705599E+22	2,012416E+22
2778	2,298101E+22	2,486077E+22	2,568057E+22	2,568098E+22	2,486146E+22	2,298147E+22	2,012455E+22	1,705641E+22	1,501946E+22	1,501926E+22	1,705590E+22	2,012405E+22
2779	2,298136E+22	2,486189E+22	2,568186E+22	2,568179E+22	2,486176E+22	2,298132E+22	2,012414E+22	1,705604E+22	1,501927E+22	1,501931E+22	1,705606E+22	2,012409E+22
2780	2,298110E+22	2,486143E+22	2,568130E+22	2,568087E+22	2,486061E+22	2,298064E+22	2,012400E+22	1,705615E+22	1,501936E+22	1,501918E+22	1,705576E+22	2,012364E+22
2781	2,298050E+22	2,486080E+22	2,568118E+22	2,568158E+22	2,486170E+22	2,298142E+22	2,012429E+22	1,705607E+22	1,501920E+22	1,501915E+22	1,705589E+22	2,012403E+22
2782	2,298126E+22	2,486170E+22	2,568177E+22	2,568186E+22	2,486162E+22	2,298088E+22	2,012353E+22	1,705538E+22	1,501874E+22	1,501901E+22	1,705593E+22	2,012398E+22
2783	2,298086E+22	2,486088E+22	2,568054E+22	2,568053E+22	2,486097E+22	2,298103E+22	2,012397E+22	1,705569E+22	1,501864E+22	1,501851E+22	1,705543E+22	2,012376E+22
2784	2,298095E+22	2,486132E+22	2,568143E+22	2,568161E+22	2,486190E+22	2,298163E+22	2,012403E+22	1,705533E+22	1,501822E+22	1,501823E+22	1,705537E+22	2,012406E+22
2785	2,298161E+22	2,486204E+22	2,568193E+22	2,568157E+22	2,486095E+22	2,298045E+22	2,012336E+22	1,705503E+22	1,501798E+22	1,501797E+22	1,705506E+22	2,012365E+22
2786	2,298101E+22	2,486111E+22	2,568083E+22	2,568104E+22	2,486129E+22	2,298100E+22	2,012382E+22	1,705539E+22	1,501818E+22	1,501798E+22	1,705491E+22	2,012339E+22
2787	2,298102E+22	2,486191E+22	2,568218E+22	2,568222E+22	2,486217E+22	2,298142E+22	2,012362E+22	1,705492E+22	1,501786E+22	1,501800E+22	1,705519E+22	2,012369E+22
2788	2,298099E+22	2,486150E+22	2,568164E+22	2,568140E+22	2,486104E+22	2,298075E+22	2,012349E+22	1,705501E+22	1,501794E+22	1,501796E+22	1,705506E+22	2,012349E+22
2789	2,298059E+22	2,486072E+22	2,568086E+22	2,568138E+22	2,486172E+22	2,298153E+22	2,012418E+22	1,705549E+22	1,501825E+22	1,501814E+22	1,705517E+22	2,012376E+22
2790	2,298136E+22	2,486190E+22	2,568180E+22	2,568186E+22	2,486180E+22	2,298111E+22	2,012363E+22	1,705524E+22	1,501837E+22	1,501854E+22	1,705553E+22	2,012382E+22
2791	2,298100E+22	2,486121E+22	2,568079E+22	2,568043E+22	2,486061E+22	2,298073E+22	2,012390E+22	1,705585E+22	1,501893E+22	1,501877E+22	1,705552E+22	2,012365E+22
2792	2,298073E+22	2,486111E+22	2,568132E+22	2,568149E+22	2,486159E+22	2,298139E+22	2,012422E+22	1,705597E+22	1,501913E+22	1,501912E+22	1,705592E+22	2,012411E+22
2793	2,298131E+22	2,486177E+22	2,568191E+22	2,568180E+22	2,486115E+22	2,298044E+22	2,012350E+22	1,705575E+22	1,501930E+22	1,501949E+22	1,705627E+22	2,012420E+22
2794	2,298087E+22	2,486065E+22	2,568033E+22	2,568055E+22	2,486096E+22	2,298095E+22	2,012417E+22	1,705637E+22	1,501979E+22	1,501976E+22	1,705632E+22	2,012412E+22
2795	2,298099E+22	2,486133E+22	2,568144E+22	2,568157E+22	2,486181E+22	2,298161E+22	2,012444E+22	1,705634E+22	1,501973E+22	1,501986E+22	1,705657E+22	2,012445E+22
2796	2,298128E+22	2,486144E+22	2,568133E+22	2,568101E+22	2,486063E+22	2,298057E+22	2,012409E+22	1,705649E+22	1,502000E+22	1,501994E+22	1,705638E+22	2,012407E+22

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	2,298074E+22	2,486068E+22	2,568049E+22	2,568069E+22	2,486102E+22	2,298113E+22	2,012461E+22	1,705694E+22	1,502030E+22	1,502006E+22	1,705632E+22	2,012399E+22
2798	2,298105E+22	2,486165E+22	2,568179E+22	2,568178E+22	2,486162E+22	2,298108E+22	2,012408E+22	1,705642E+22	1,502011E+22	1,502026E+22	1,705666E+22	2,012413E+22
2799	2,298069E+22	2,486085E+22	2,568080E+22	2,568061E+22	2,486053E+22	2,298060E+22	2,012409E+22	1,705654E+22	1,502007E+22	1,502002E+22	1,705644E+22	2,012399E+22
2800	2,298044E+22	2,486041E+22	2,568061E+22	2,568117E+22	2,486155E+22	2,298146E+22	2,012453E+22	1,705647E+22	1,501976E+22	1,501972E+22	1,705633E+22	2,012427E+22
2801	2,298127E+22	2,486153E+22	2,568151E+22	2,568159E+22	2,486136E+22	2,298078E+22	2,012379E+22	1,705592E+22	1,501936E+22	1,501950E+22	1,705630E+22	2,012429E+22
2802	2,298103E+22	2,486084E+22	2,568025E+22	2,568010E+22	2,486056E+22	2,298079E+22	2,012405E+22	1,705613E+22	1,501935E+22	1,501921E+22	1,705584E+22	2,012387E+22
2803	2,298097E+22	2,486143E+22	2,568151E+22	2,568142E+22	2,486147E+22	2,298141E+22	2,012426E+22	1,705586E+22	1,501895E+22	1,501893E+22	1,705575E+22	2,012398E+22
2804	2,298125E+22	2,486175E+22	2,568185E+22	2,568164E+22	2,486090E+22	2,298030E+22	2,012349E+22	1,705556E+22	1,501880E+22	1,501880E+22	1,705558E+22	2,012366E+22
2805	2,298066E+22	2,486081E+22	2,568064E+22	2,568092E+22	2,486121E+22	2,298089E+22	2,012383E+22	1,705574E+22	1,501887E+22	1,501875E+22	1,705548E+22	2,012360E+22
2806	2,298086E+22	2,486155E+22	2,568181E+22	2,568200E+22	2,486211E+22	2,298147E+22	2,012380E+22	1,705535E+22	1,501863E+22	1,501887E+22	1,705582E+22	2,012393E+22
2807	2,298087E+22	2,486111E+22	2,568105E+22	2,568085E+22	2,486074E+22	2,298073E+22	2,012385E+22	1,705567E+22	1,501879E+22	1,501879E+22	1,705568E+22	2,012382E+22
2808	2,298067E+22	2,486060E+22	2,568049E+22	2,568088E+22	2,486128E+22	2,298129E+22	2,012440E+22	1,705614E+22	1,501913E+22	1,501893E+22	1,705561E+22	2,012382E+22
2809	2,298121E+22	2,486179E+22	2,568177E+22	2,568174E+22	2,486147E+22	2,298082E+22	2,012376E+22	1,705587E+22	1,501930E+22	1,501941E+22	1,705613E+22	2,012405E+22
2810	2,298087E+22	2,486094E+22	2,568054E+22	2,568025E+22	2,486039E+22	2,298045E+22	2,012386E+22	1,705628E+22	1,501982E+22	1,501978E+22	1,705626E+22	2,012390E+22
2811	2,298059E+22	2,486086E+22	2,568110E+22	2,568127E+22	2,486137E+22	2,298134E+22	2,012447E+22	1,705649E+22	1,501994E+22	1,502000E+22	1,705656E+22	2,012432E+22
2812	2,298109E+22	2,486131E+22	2,568147E+22	2,568155E+22	2,486107E+22	2,298054E+22	2,012389E+22	1,705641E+22	1,502015E+22	1,502032E+22	1,705683E+22	2,012438E+22
2813	2,298080E+22	2,486053E+22	2,568004E+22	2,568012E+22	2,486060E+22	2,298080E+22	2,012441E+22	1,705698E+22	1,502060E+22	1,502049E+22	1,705675E+22	2,012425E+22
2814	2,298095E+22	2,486126E+22	2,568131E+22	2,568133E+22	2,486152E+22	2,298145E+22	2,012461E+22	1,705695E+22	1,502070E+22	1,502079E+22	1,705704E+22	2,012443E+22
2815	2,298099E+22	2,486113E+22	2,568106E+22	2,568071E+22	2,486033E+22	2,298041E+22	2,012431E+22	1,705713E+22	1,502093E+22	1,502087E+22	1,705700E+22	2,012420E+22
2816	2,298050E+22	2,486033E+22	2,568018E+22	2,568049E+22	2,486085E+22	2,298094E+22	2,012469E+22	1,705743E+22	1,502110E+22	1,502088E+22	1,705687E+22	2,012411E+22
2817	2,298075E+22	2,486122E+22	2,568151E+22	2,568169E+22	2,486161E+22	2,298105E+22	2,012419E+22	1,705684E+22	1,502079E+22	1,502098E+22	1,705730E+22	2,012458E+22
2818	2,298073E+22	2,486048E+22	2,568023E+22	2,568010E+22	2,486027E+22	2,298053E+22	2,012422E+22	1,705691E+22	1,502070E+22	1,502074E+22	1,705705E+22	2,012440E+22
2819	2,298065E+22	2,486042E+22	2,568039E+22	2,568068E+22	2,486102E+22	2,298129E+22	2,012486E+22	1,705704E+22	1,502040E+22	1,502028E+22	1,705668E+22	2,012439E+22
2820	2,298124E+22	2,486148E+22	2,568141E+22	2,568136E+22	2,486103E+22	2,298054E+22	2,012395E+22	1,705649E+22	1,502013E+22	1,502017E+22	1,705660E+22	2,012421E+22
2821	2,298086E+22	2,486090E+22	2,568038E+22	2,567998E+22	2,486024E+22	2,298042E+22	2,012398E+22	1,705648E+22	1,502001E+22	1,501988E+22	1,705622E+22	2,012383E+22
2822	2,298068E+22	2,486123E+22	2,568155E+22	2,568157E+22	2,486153E+22	2,298127E+22	2,012420E+22	1,705618E+22	1,501967E+22	1,501975E+22	1,705627E+22	2,012400E+22
2823	2,298082E+22	2,486117E+22	2,568140E+22	2,568143E+22	2,486097E+22	2,298043E+22	2,012371E+22	1,705600E+22	1,501950E+22	1,501958E+22	1,705620E+22	2,012395E+22
2824	2,298053E+22	2,486035E+22	2,568007E+22	2,568051E+22	2,486112E+22	2,298100E+22	2,012421E+22	1,705631E+22	1,501956E+22	1,501941E+22	1,705593E+22	2,012379E+22
2825	2,298076E+22	2,486125E+22	2,568145E+22	2,568166E+22	2,486189E+22	2,298143E+22	2,012413E+22	1,705604E+22	1,501944E+22	1,501956E+22	1,705631E+22	2,012424E+22
2826	2,298091E+22	2,486090E+22	2,568061E+22	2,568026E+22	2,486024E+22	2,298046E+22	2,012399E+22	1,705629E+22	1,501975E+22	1,501974E+22	1,705630E+22	2,012405E+22
2827	2,298067E+22	2,486059E+22	2,568044E+22	2,568051E+22	2,486069E+22	2,298096E+22	2,012464E+22	1,705680E+22	1,502005E+22	1,501986E+22	1,705622E+22	2,012395E+22
2828	2,298094E+22	2,486146E+22	2,568160E+22	2,568164E+22	2,486127E+22	2,298055E+22	2,012382E+22	1,705645E+22	1,502026E+22	1,502040E+22	1,705682E+22	2,012423E+22
2829	2,298069E+22	2,486073E+22	2,568035E+22	2,568002E+22	2,486020E+22	2,298028E+22	2,012385E+22	1,705664E+22	1,502056E+22	1,502064E+22	1,705692E+22	2,012423E+22
2830	2,298059E+22	2,486068E+22	2,568086E+22	2,568107E+22	2,486127E+22	2,298133E+22	2,012463E+22	1,705697E+22	1,502073E+22	1,502084E+22	1,705712E+22	2,012452E+22
2831	2,298102E+22	2,486105E+22	2,568105E+22	2,568110E+22	2,486083E+22	2,298053E+22	2,012425E+22	1,705712E+22	1,502103E+22	1,502111E+22	1,705732E+22	2,012454E+22
2832	2,298076E+22	2,486039E+22	2,567983E+22	2,567982E+22	2,486030E+22	2,298063E+22	2,012465E+22	1,705767E+22	1,502150E+22	1,502126E+22	1,705710E+22	2,012415E+22

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	2,298060E+22	2,486098E+22	2,568126E+22	2,568132E+22	2,486136E+22	2,298126E+22	2,012477E+22	1,705759E+22	1,502159E+22	1,502163E+22	1,705760E+22	2,012456E+22
2834	2,298067E+22	2,486064E+22	2,568066E+22	2,568045E+22	2,486018E+22	2,298026E+22	2,012436E+22	1,705762E+22	1,502180E+22	1,502185E+22	1,705774E+22	2,012448E+22
2835	2,298033E+22	2,485996E+22	2,567984E+22	2,568011E+22	2,486053E+22	2,298093E+22	2,012499E+22	1,705794E+22	1,502182E+22	1,502167E+22	1,705749E+22	2,012439E+22
2836	2,298062E+22	2,486078E+22	2,568102E+22	2,568129E+22	2,486139E+22	2,298104E+22	2,012448E+22	1,705742E+22	1,502154E+22	1,502170E+22	1,705780E+22	2,012479E+22
2837	2,298082E+22	2,486050E+22	2,568002E+22	2,567964E+22	2,485983E+22	2,298026E+22	2,012427E+22	1,705732E+22	1,502133E+22	1,502134E+22	1,705743E+22	2,012457E+22
2838	2,298075E+22	2,486052E+22	2,568042E+22	2,568052E+22	2,486073E+22	2,298101E+22	2,012481E+22	1,705744E+22	1,502115E+22	1,502101E+22	1,705706E+22	2,012439E+22
2839	2,298105E+22	2,486129E+22	2,568130E+22	2,568123E+22	2,486089E+22	2,298040E+22	2,012406E+22	1,705696E+22	1,502085E+22	1,502089E+22	1,705710E+22	2,012432E+22
2840	2,298066E+22	2,486059E+22	2,568024E+22	2,568001E+22	2,486025E+22	2,298030E+22	2,012401E+22	1,705687E+22	1,502064E+22	1,502052E+22	1,705664E+22	2,012390E+22
2841	2,298037E+22	2,486075E+22	2,568125E+22	2,568152E+22	2,486164E+22	2,298141E+22	2,012441E+22	1,705662E+22	1,502028E+22	1,502039E+22	1,705682E+22	2,012434E+22
2842	2,298075E+22	2,486073E+22	2,568080E+22	2,568088E+22	2,486073E+22	2,298050E+22	2,012401E+22	1,705653E+22	1,502021E+22	1,502032E+22	1,705677E+22	2,012426E+22
2843	2,298062E+22	2,486026E+22	2,567977E+22	2,567986E+22	2,486046E+22	2,298084E+22	2,012461E+22	1,705703E+22	1,502040E+22	1,502013E+22	1,705634E+22	2,012388E+22
2844	2,298066E+22	2,486105E+22	2,568121E+22	2,568127E+22	2,486143E+22	2,298114E+22	2,012431E+22	1,705676E+22	1,502044E+22	1,502046E+22	1,705677E+22	2,012422E+22
2845	2,298077E+22	2,486088E+22	2,568060E+22	2,568003E+22	2,485981E+22	2,297999E+22	2,012385E+22	1,705672E+22	1,502060E+22	1,502066E+22	1,705691E+22	2,012419E+22
2846	2,298047E+22	2,486037E+22	2,568041E+22	2,568056E+22	2,486062E+22	2,298069E+22	2,012448E+22	1,705718E+22	1,502093E+22	1,502084E+22	1,705690E+22	2,012415E+22
2847	2,298068E+22	2,486096E+22	2,568119E+22	2,568139E+22	2,486125E+22	2,298064E+22	2,012406E+22	1,705696E+22	1,502104E+22	1,502126E+22	1,705750E+22	2,012459E+22
2848	2,298066E+22	2,486036E+22	2,567997E+22	2,567975E+22	2,486006E+22	2,298031E+22	2,012418E+22	1,705726E+22	1,502133E+22	1,502134E+22	1,705736E+22	2,012437E+22
2849	2,298049E+22	2,486044E+22	2,568062E+22	2,568085E+22	2,486114E+22	2,298136E+22	2,012499E+22	1,705770E+22	1,502161E+22	1,502159E+22	1,705760E+22	2,012470E+22
2850	2,298092E+22	2,486081E+22	2,568071E+22	2,568064E+22	2,486047E+22	2,298043E+22	2,012450E+22	1,705784E+22	1,502206E+22	1,502211E+22	1,705793E+22	2,012466E+22
2851	2,298059E+22	2,486020E+22	2,567972E+22	2,567950E+22	2,485983E+22	2,298045E+22	2,012496E+22	1,705839E+22	1,502250E+22	1,502223E+22	1,705773E+22	2,012426E+22
2852	2,298025E+22	2,486043E+22	2,568089E+22	2,568116E+22	2,486124E+22	2,298113E+22	2,012489E+22	1,705820E+22	1,502256E+22	1,502262E+22	1,705829E+22	2,012478E+22
2853	2,298054E+22	2,486034E+22	2,568025E+22	2,568005E+22	2,485990E+22	2,298010E+22	2,012436E+22	1,705795E+22	1,502249E+22	1,502267E+22	1,705844E+22	2,012493E+22
2854	2,298047E+22	2,485983E+22	2,567957E+22	2,567978E+22	2,486025E+22	2,298075E+22	2,012503E+22	1,705834E+22	1,502250E+22	1,502237E+22	1,705801E+22	2,012467E+22
2855	2,298071E+22	2,486068E+22	2,568072E+22	2,568081E+22	2,486096E+22	2,298086E+22	2,012466E+22	1,705794E+22	1,502223E+22	1,502232E+22	1,705819E+22	2,012496E+22
2856	2,298087E+22	2,486049E+22	2,568004E+22	2,567955E+22	2,485954E+22	2,298000E+22	2,012431E+22	1,705775E+22	1,502198E+22	1,502189E+22	1,705764E+22	2,012445E+22
2857	2,298050E+22	2,486038E+22	2,568054E+22	2,568070E+22	2,486076E+22	2,298090E+22	2,012482E+22	1,705780E+22	1,502173E+22	1,502159E+22	1,705745E+22	2,012443E+22
2858	2,298071E+22	2,486083E+22	2,568096E+22	2,568107E+22	2,486089E+22	2,298044E+22	2,012414E+22	1,705734E+22	1,502153E+22	1,502163E+22	1,705762E+22	2,012447E+22
2859	2,298044E+22	2,486019E+22	2,567989E+22	2,567966E+22	2,486003E+22	2,298047E+22	2,012444E+22	1,705742E+22	1,502132E+22	1,502119E+22	1,705710E+22	2,012406E+22
2860	2,298016E+22	2,486021E+22	2,568068E+22	2,568109E+22	2,486140E+22	2,298144E+22	2,012480E+22	1,705733E+22	1,502112E+22	1,502112E+22	1,705723E+22	2,012443E+22
2861	2,298074E+22	2,486064E+22	2,568047E+22	2,568031E+22	2,486018E+22	2,298023E+22	2,012412E+22	1,705709E+22	1,502105E+22	1,502112E+22	1,705727E+22	2,012444E+22
2862	2,298064E+22	2,486026E+22	2,567973E+22	2,567961E+22	2,486001E+22	2,298044E+22	2,012453E+22	1,705754E+22	1,502134E+22	1,502106E+22	1,705690E+22	2,012398E+22
2863	2,298047E+22	2,486081E+22	2,568102E+22	2,568102E+22	2,486109E+22	2,298085E+22	2,012435E+22	1,705728E+22	1,502133E+22	1,502141E+22	1,705747E+22	2,012448E+22
2864	2,298063E+22	2,486054E+22	2,568044E+22	2,568006E+22	2,485977E+22	2,297981E+22	2,012380E+22	1,705710E+22	1,502135E+22	1,502146E+22	1,705749E+22	2,012441E+22
2865	2,298034E+22	2,486002E+22	2,568016E+22	2,568053E+22	2,486072E+22	2,298082E+22	2,012464E+22	1,705759E+22	1,502158E+22	1,502157E+22	1,705755E+22	2,012455E+22
2866	2,298069E+22	2,486063E+22	2,568068E+22	2,568091E+22	2,486103E+22	2,298075E+22	2,012442E+22	1,705761E+22	1,502188E+22	1,502208E+22	1,705807E+22	2,012487E+22
2867	2,298073E+22	2,486031E+22	2,567979E+22	2,567928E+22	2,485955E+22	2,298027E+22	2,012466E+22	1,705809E+22	1,502230E+22	1,502216E+22	1,705778E+22	2,012438E+22
2868	2,298025E+22	2,486013E+22	2,568038E+22	2,568059E+22	2,486084E+22	2,298122E+22	2,012528E+22	1,705853E+22	1,502274E+22	1,502260E+22	1,705808E+22	2,012459E+22

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	2,298062E+22	2,486062E+22	2,568056E+22	2,568041E+22	2,486013E+22	2,298013E+22	2,012451E+22	1,705836E+22	1,502302E+22	1,502313E+22	1,705863E+22	2,012484E+22
2870	2,298035E+22	2,485984E+22	2,567949E+22	2,567937E+22	2,485967E+22	2,298024E+22	2,012490E+22	1,705885E+22	1,502341E+22	1,502322E+22	1,705846E+22	2,012455E+22
2871	2,298008E+22	2,485993E+22	2,568031E+22	2,568070E+22	2,486102E+22	2,298117E+22	2,012515E+22	1,705871E+22	1,502331E+22	1,502343E+22	1,705896E+22	2,012522E+22
2872	2,298066E+22	2,486007E+22	2,567988E+22	2,567975E+22	2,485960E+22	2,297994E+22	2,012451E+22	1,705842E+22	1,502312E+22	1,502324E+22	1,705880E+22	2,012510E+22
2873	2,298054E+22	2,485979E+22	2,567944E+22	2,567960E+22	2,486003E+22	2,298062E+22	2,012514E+22	1,705880E+22	1,502313E+22	1,502295E+22	1,705840E+22	2,012483E+22
2874	2,298069E+22	2,486061E+22	2,568057E+22	2,568051E+22	2,486063E+22	2,298073E+22	2,012479E+22	1,705842E+22	1,502297E+22	1,502305E+22	1,705862E+22	2,012499E+22
2875	2,298071E+22	2,486040E+22	2,568009E+22	2,567945E+22	2,485922E+22	2,297988E+22	2,012451E+22	1,705825E+22	1,502270E+22	1,502259E+22	1,705804E+22	2,012440E+22
2876	2,298009E+22	2,485986E+22	2,568022E+22	2,568068E+22	2,486082E+22	2,298096E+22	2,012499E+22	1,705831E+22	1,502252E+22	1,502236E+22	1,705787E+22	2,012444E+22
2877	2,298051E+22	2,486051E+22	2,568053E+22	2,568070E+22	2,486070E+22	2,298045E+22	2,012427E+22	1,705769E+22	1,502215E+22	1,502233E+22	1,705816E+22	2,012474E+22
2878	2,298046E+22	2,485998E+22	2,567954E+22	2,567929E+22	2,485968E+22	2,298030E+22	2,012457E+22	1,705795E+22	1,502210E+22	1,502190E+22	1,705757E+22	2,012425E+22
2879	2,298015E+22	2,485999E+22	2,568024E+22	2,568054E+22	2,486088E+22	2,298123E+22	2,012501E+22	1,705796E+22	1,502197E+22	1,502189E+22	1,705771E+22	2,012460E+22
2880	2,298070E+22	2,486048E+22	2,568037E+22	2,568017E+22	2,485977E+22	2,297983E+22	2,012409E+22	1,705754E+22	1,502183E+22	1,502188E+22	1,705771E+22	2,012446E+22
2881	2,298043E+22	2,486006E+22	2,567973E+22	2,567973E+22	2,485996E+22	2,298025E+22	2,012445E+22	1,705788E+22	1,502202E+22	1,502187E+22	1,705756E+22	2,012422E+22
2882	2,298026E+22	2,486042E+22	2,568066E+22	2,568080E+22	2,486099E+22	2,298086E+22	2,012445E+22	1,705770E+22	1,502210E+22	1,502229E+22	1,705816E+22	2,012481E+22
2883	2,298059E+22	2,486027E+22	2,568014E+22	2,567974E+22	2,485955E+22	2,297999E+22	2,012424E+22	1,705770E+22	1,502212E+22	1,502222E+22	1,705800E+22	2,012460E+22
2884	2,298024E+22	2,485965E+22	2,567971E+22	2,568021E+22	2,486057E+22	2,298093E+22	2,012510E+22	1,705840E+22	1,502255E+22	1,502239E+22	1,705794E+22	2,012457E+22
2885	2,298068E+22	2,486059E+22	2,568039E+22	2,568043E+22	2,486057E+22	2,298060E+22	2,012466E+22	1,705829E+22	1,502287E+22	1,502300E+22	1,705861E+22	2,012499E+22
2886	2,298065E+22	2,486022E+22	2,567972E+22	2,567912E+22	2,485916E+22	2,297997E+22	2,012477E+22	1,705881E+22	1,502341E+22	1,502321E+22	1,705842E+22	2,012448E+22
2887	2,297997E+22	2,485972E+22	2,568002E+22	2,568030E+22	2,486049E+22	2,298098E+22	2,012541E+22	1,705918E+22	1,502376E+22	1,502366E+22	1,705886E+22	2,012487E+22
2888	2,298040E+22	2,486011E+22	2,568022E+22	2,568030E+22	2,485996E+22	2,297995E+22	2,012451E+22	1,705878E+22	1,502382E+22	1,502402E+22	1,705929E+22	2,012514E+22
2889	2,298029E+22	2,485953E+22	2,567914E+22	2,567918E+22	2,485959E+22	2,298026E+22	2,012501E+22	1,705917E+22	1,502398E+22	1,502393E+22	1,705912E+22	2,012497E+22
2890	2,298019E+22	2,485974E+22	2,567984E+22	2,568011E+22	2,486054E+22	2,298105E+22	2,012537E+22	1,705925E+22	1,502403E+22	1,502412E+22	1,705943E+22	2,012547E+22
2891	2,298082E+22	2,486019E+22	2,567983E+22	2,567938E+22	2,485911E+22	2,297980E+22	2,012478E+22	1,705902E+22	1,502388E+22	1,502386E+22	1,705905E+22	2,012502E+22
2892	2,298035E+22	2,485965E+22	2,567941E+22	2,567959E+22	2,485987E+22	2,298046E+22	2,012526E+22	1,705935E+22	1,502396E+22	1,502368E+22	1,705866E+22	2,012461E+22
2893	2,298038E+22	2,486045E+22	2,568049E+22	2,568045E+22	2,486047E+22	2,298055E+22	2,012477E+22	1,705876E+22	1,502366E+22	1,502381E+22	1,705912E+22	2,012504E+22
2894	2,298039E+22	2,486001E+22	2,567989E+22	2,567948E+22	2,485924E+22	2,297984E+22	2,012456E+22	1,705865E+22	1,502342E+22	1,502334E+22	1,705857E+22	2,012455E+22
2895	2,297982E+22	2,485928E+22	2,567955E+22	2,568021E+22	2,486062E+22	2,298108E+22	2,012534E+22	1,705884E+22	1,502322E+22	1,502308E+22	1,705842E+22	2,012470E+22
2896	2,298043E+22	2,486010E+22	2,568007E+22	2,568037E+22	2,486038E+22	2,298032E+22	2,012447E+22	1,705821E+22	1,502284E+22	1,502296E+22	1,705854E+22	2,012488E+22
2897	2,298047E+22	2,485987E+22	2,567931E+22	2,567902E+22	2,485939E+22	2,298014E+22	2,012465E+22	1,705839E+22	1,502278E+22	1,502262E+22	1,705812E+22	2,012447E+22
2898	2,298011E+22	2,485987E+22	2,567999E+22	2,568013E+22	2,486038E+22	2,298095E+22	2,012511E+22	1,705848E+22	1,502281E+22	1,502277E+22	1,705833E+22	2,012482E+22
2899	2,298066E+22	2,486041E+22	2,568033E+22	2,568001E+22	2,485946E+22	2,297966E+22	2,012420E+22	1,705802E+22	1,502262E+22	1,502270E+22	1,705828E+22	2,012463E+22
2900	2,298023E+22	2,485967E+22	2,567943E+22	2,567969E+22	2,486001E+22	2,298029E+22	2,012460E+22	1,705834E+22	1,502283E+22	1,502271E+22	1,705809E+22	2,012440E+22
2901	2,298027E+22	2,486027E+22	2,568031E+22	2,568045E+22	2,486076E+22	2,298089E+22	2,012466E+22	1,705814E+22	1,502280E+22	1,502307E+22	1,705875E+22	2,012511E+22
2902	2,298067E+22	2,486020E+22	2,567993E+22	2,567948E+22	2,485921E+22	2,297982E+22	2,012449E+22	1,705840E+22	1,502305E+22	1,502302E+22	1,705845E+22	2,012470E+22
2903	2,298014E+22	2,485946E+22	2,567936E+22	2,567976E+22	2,486014E+22	2,298080E+22	2,012544E+22	1,705920E+22	1,502361E+22	1,502333E+22	1,705845E+22	2,012460E+22
2904	2,298041E+22	2,486029E+22	2,568029E+22	2,568039E+22	2,486026E+22	2,298028E+22	2,012472E+22	1,705888E+22	1,502383E+22	1,502394E+22	1,705913E+22	2,012496E+22

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	2,298028E+22	2,485983E+22	2,567952E+22	2,567913E+22	2,485911E+22	2,297981E+22	2,012479E+22	1,705924E+22	1,502423E+22	1,502419E+22	1,705922E+22	2,012476E+22
2906	2,297970E+22	2,485919E+22	2,567945E+22	2,567987E+22	2,486025E+22	2,298096E+22	2,012562E+22	1,705970E+22	1,502461E+22	1,502462E+22	1,705963E+22	2,012528E+22
2907	2,298041E+22	2,485983E+22	2,567979E+22	2,567980E+22	2,485960E+22	2,297998E+22	2,012487E+22	1,705936E+22	1,502459E+22	1,502478E+22	1,705983E+22	2,012539E+22
2908	2,298028E+22	2,485929E+22	2,567877E+22	2,567883E+22	2,485935E+22	2,298022E+22	2,012529E+22	1,705982E+22	1,502484E+22	1,502468E+22	1,705947E+22	2,012503E+22
2909	2,298028E+22	2,485986E+22	2,567971E+22	2,567973E+22	2,486009E+22	2,298079E+22	2,012546E+22	1,705972E+22	1,502482E+22	1,502489E+22	1,705988E+22	2,012554E+22
2910	2,298073E+22	2,486018E+22	2,567991E+22	2,567941E+22	2,485887E+22	2,297948E+22	2,012480E+22	1,705955E+22	1,502472E+22	1,502465E+22	1,705950E+22	2,012501E+22
2911	2,298001E+22	2,485927E+22	2,567913E+22	2,567949E+22	2,485978E+22	2,298037E+22	2,012540E+22	1,705984E+22	1,502474E+22	1,502449E+22	1,705922E+22	2,012473E+22
2912	2,298004E+22	2,485990E+22	2,568016E+22	2,568043E+22	2,486047E+22	2,298053E+22	2,012485E+22	1,705907E+22	1,502425E+22	1,502447E+22	1,705960E+22	2,012523E+22
2913	2,298025E+22	2,485963E+22	2,567946E+22	2,567923E+22	2,485920E+22	2,297994E+22	2,012480E+22	1,705899E+22	1,502390E+22	1,502396E+22	1,705917E+22	2,012489E+22
2914	2,297986E+22	2,485906E+22	2,567900E+22	2,567951E+22	2,486008E+22	2,298094E+22	2,012564E+22	1,705944E+22	1,502395E+22	1,502376E+22	1,705890E+22	2,012495E+22
2915	2,298054E+22	2,486015E+22	2,567990E+22	2,567988E+22	2,485982E+22	2,298009E+22	2,012468E+22	1,705880E+22	1,502364E+22	1,502368E+22	1,705891E+22	2,012488E+22
2916	2,298030E+22	2,485975E+22	2,567924E+22	2,567895E+22	2,485919E+22	2,297990E+22	2,012469E+22	1,705887E+22	1,502361E+22	1,502343E+22	1,705851E+22	2,012444E+22
2917	2,297998E+22	2,485980E+22	2,567990E+22	2,567999E+22	2,486013E+22	2,298067E+22	2,012502E+22	1,705878E+22	1,502352E+22	1,502360E+22	1,705896E+22	2,012505E+22
2918	2,298054E+22	2,486018E+22	2,568018E+22	2,568003E+22	2,485944E+22	2,297957E+22	2,012429E+22	1,705847E+22	1,502336E+22	1,502346E+22	1,705884E+22	2,012485E+22
2919	2,298009E+22	2,485930E+22	2,567895E+22	2,567933E+22	2,485984E+22	2,298036E+22	2,012498E+22	1,705896E+22	1,502361E+22	1,502347E+22	1,705861E+22	2,012458E+22
2920	2,298013E+22	2,485993E+22	2,568001E+22	2,568022E+22	2,486047E+22	2,298077E+22	2,012494E+22	1,705878E+22	1,502364E+22	1,502380E+22	1,705913E+22	2,012513E+22
2921	2,298053E+22	2,486006E+22	2,567976E+22	2,567931E+22	2,485905E+22	2,297975E+22	2,012471E+22	1,705898E+22	1,502391E+22	1,502393E+22	1,705908E+22	2,012479E+22
2922	2,297988E+22	2,485916E+22	2,567901E+22	2,567930E+22	2,485967E+22	2,298057E+22	2,012565E+22	1,705990E+22	1,502466E+22	1,502441E+22	1,705919E+22	2,012480E+22
2923	2,298017E+22	2,485994E+22	2,567999E+22	2,568011E+22	2,486001E+22	2,298016E+22	2,012489E+22	1,705950E+22	1,502482E+22	1,502495E+22	1,705984E+22	2,012519E+22
2924	2,298004E+22	2,485933E+22	2,567905E+22	2,567892E+22	2,485909E+22	2,297983E+22	2,012496E+22	1,705976E+22	1,502511E+22	1,502512E+22	1,705984E+22	2,012507E+22
2925	2,297982E+22	2,485905E+22	2,567900E+22	2,567933E+22	2,485980E+22	2,298078E+22	2,012578E+22	1,706017E+22	1,502536E+22	1,502544E+22	1,706029E+22	2,012569E+22
2926	2,298060E+22	2,485987E+22	2,567965E+22	2,567949E+22	2,485918E+22	2,297967E+22	2,012502E+22	1,706000E+22	1,502543E+22	1,502549E+22	1,706026E+22	2,012552E+22
2927	2,298025E+22	2,485923E+22	2,567861E+22	2,567852E+22	2,485897E+22	2,298001E+22	2,012547E+22	1,706042E+22	1,502570E+22	1,502548E+22	1,705990E+22	2,012501E+22
2928	2,297997E+22	2,485962E+22	2,567977E+22	2,567985E+22	2,485992E+22	2,298052E+22	2,012546E+22	1,706012E+22	1,502553E+22	1,502562E+22	1,706028E+22	2,012547E+22
2929	2,298037E+22	2,485983E+22	2,567977E+22	2,567953E+22	2,485907E+22	2,297951E+22	2,012486E+22	1,705983E+22	1,502530E+22	1,502540E+22	1,706012E+22	2,012517E+22
2930	2,297969E+22	2,485874E+22	2,567856E+22	2,567905E+22	2,485964E+22	2,298050E+22	2,012571E+22	1,706035E+22	1,502543E+22	1,502523E+22	1,705980E+22	2,012503E+22
2931	2,297996E+22	2,485955E+22	2,567965E+22	2,567990E+22	2,486020E+22	2,298063E+22	2,012525E+22	1,705968E+22	1,502494E+22	1,502509E+22	1,706000E+22	2,012538E+22
2932	2,298019E+22	2,485937E+22	2,567903E+22	2,567880E+22	2,485893E+22	2,297986E+22	2,012507E+22	1,705963E+22	1,502472E+22	1,502465E+22	1,705949E+22	2,012498E+22
2933	2,297997E+22	2,485915E+22	2,567885E+22	2,567902E+22	2,485948E+22	2,298054E+22	2,012568E+22	1,705990E+22	1,502472E+22	1,502457E+22	1,705945E+22	2,012514E+22
2934	2,298052E+22	2,486019E+22	2,568000E+22	2,567982E+22	2,485944E+22	2,297960E+22	2,012462E+22	1,705928E+22	1,502444E+22	1,502447E+22	1,705945E+22	2,012501E+22
2935	2,298008E+22	2,485947E+22	2,567905E+22	2,567884E+22	2,485909E+22	2,297974E+22	2,012472E+22	1,705926E+22	1,502434E+22	1,502426E+22	1,705913E+22	2,012465E+22
2936	2,297975E+22	2,485940E+22	2,567972E+22	2,568002E+22	2,486015E+22	2,298060E+22	2,012505E+22	1,705904E+22	1,502406E+22	1,502424E+22	1,705943E+22	2,012524E+22
2937	2,298047E+22	2,485992E+22	2,567986E+22	2,567984E+22	2,485947E+22	2,297967E+22	2,012455E+22	1,705887E+22	1,502392E+22	1,502412E+22	1,705937E+22	2,012507E+22
2938	2,298004E+22	2,485908E+22	2,567852E+22	2,567875E+22	2,485940E+22	2,298029E+22	2,012539E+22	1,705974E+22	1,502453E+22	1,502426E+22	1,705908E+22	2,012470E+22
2939	2,298000E+22	2,485979E+22	2,567981E+22	2,567983E+22	2,486009E+22	2,298063E+22	2,012524E+22	1,705953E+22	1,502465E+22	1,502470E+22	1,705958E+22	2,012505E+22
2940	2,298014E+22	2,485967E+22	2,567954E+22	2,567919E+22	2,485893E+22	2,297961E+22	2,012489E+22	1,705966E+22	1,502497E+22	1,502497E+22	1,705966E+22	2,012486E+22

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	2,297966E+22	2,485885E+22	2,567866E+22	2,567895E+22	2,485936E+22	2,298033E+22	2,012569E+22	1,706038E+22	1,502557E+22	1,502547E+22	1,706004E+22	2,012519E+22
2942	2,298007E+22	2,485959E+22	2,567963E+22	2,567981E+22	2,485976E+22	2,297999E+22	2,012506E+22	1,706009E+22	1,502568E+22	1,502586E+22	1,706056E+22	2,012557E+22
2943	2,298003E+22	2,485899E+22	2,567854E+22	2,567841E+22	2,485876E+22	2,297978E+22	2,012527E+22	1,706040E+22	1,502596E+22	1,502595E+22	1,706044E+22	2,012536E+22
2944	2,297982E+22	2,485889E+22	2,567885E+22	2,567910E+22	2,485944E+22	2,298049E+22	2,012587E+22	1,706069E+22	1,502613E+22	1,502615E+22	1,706069E+22	2,012579E+22
2945	2,298057E+22	2,485987E+22	2,567964E+22	2,567942E+22	2,485906E+22	2,297956E+22	2,012515E+22	1,706044E+22	1,502614E+22	1,502629E+22	1,706081E+22	2,012559E+22
2946	2,298002E+22	2,485903E+22	2,567847E+22	2,567828E+22	2,485868E+22	2,297984E+22	2,012568E+22	1,706102E+22	1,502655E+22	1,502632E+22	1,706048E+22	2,012514E+22
2947	2,297970E+22	2,485925E+22	2,567952E+22	2,567970E+22	2,485989E+22	2,298056E+22	2,012565E+22	1,706064E+22	1,502631E+22	1,502638E+22	1,706078E+22	2,012557E+22
2948	2,298007E+22	2,485933E+22	2,567933E+22	2,567933E+22	2,485916E+22	2,297970E+22	2,012515E+22	1,706033E+22	1,502601E+22	1,502610E+22	1,706055E+22	2,012538E+22
2949	2,297977E+22	2,485856E+22	2,567809E+22	2,567838E+22	2,485914E+22	2,298033E+22	2,012593E+22	1,706085E+22	1,502611E+22	1,502592E+22	1,706034E+22	2,012535E+22
2950	2,298010E+22	2,485952E+22	2,567946E+22	2,567949E+22	2,485970E+22	2,298025E+22	2,012539E+22	1,706032E+22	1,502574E+22	1,502575E+22	1,706038E+22	2,012549E+22
2951	2,298013E+22	2,485928E+22	2,567890E+22	2,567851E+22	2,485851E+22	2,297952E+22	2,012510E+22	1,706011E+22	1,502550E+22	1,502541E+22	1,705994E+22	2,012501E+22
2952	2,297968E+22	2,485892E+22	2,567894E+22	2,567913E+22	2,485926E+22	2,298010E+22	2,012547E+22	1,706015E+22	1,502533E+22	1,502526E+22	1,705991E+22	2,012520E+22
2953	2,298027E+22	2,485989E+22	2,567991E+22	2,567992E+22	2,485963E+22	2,297962E+22	2,012460E+22	1,705945E+22	1,502492E+22	1,502517E+22	1,706007E+22	2,012522E+22
2954	2,297986E+22	2,485904E+22	2,567862E+22	2,567846E+22	2,485895E+22	2,297985E+22	2,012503E+22	1,705975E+22	1,502499E+22	1,502494E+22	1,705966E+22	2,012492E+22
2955	2,297969E+22	2,485910E+22	2,567928E+22	2,567958E+22	2,486000E+22	2,298075E+22	2,012546E+22	1,705972E+22	1,502483E+22	1,502488E+22	1,705976E+22	2,012528E+22
2956	2,298032E+22	2,485967E+22	2,567953E+22	2,567952E+22	2,485935E+22	2,297974E+22	2,012492E+22	1,705963E+22	1,502488E+22	1,502491E+22	1,705971E+22	2,012509E+22
2957	2,297999E+22	2,485898E+22	2,567830E+22	2,567824E+22	2,485885E+22	2,297999E+22	2,012557E+22	1,706042E+22	1,502554E+22	1,502528E+22	1,705976E+22	2,012489E+22
2958	2,297983E+22	2,485953E+22	2,567968E+22	2,567965E+22	2,485973E+22	2,298023E+22	2,012534E+22	1,706025E+22	1,502569E+22	1,502572E+22	1,706030E+22	2,012528E+22
2959	2,297988E+22	2,485919E+22	2,567912E+22	2,567889E+22	2,485873E+22	2,297947E+22	2,012499E+22	1,706022E+22	1,502593E+22	1,502603E+22	1,706049E+22	2,012524E+22
2960	2,297949E+22	2,485842E+22	2,567836E+22	2,567871E+22	2,485910E+22	2,298013E+22	2,012573E+22	1,706076E+22	1,502629E+22	1,502630E+22	1,706072E+22	2,012560E+22
2961	2,298021E+22	2,485948E+22	2,567935E+22	2,567947E+22	2,485955E+22	2,297994E+22	2,012526E+22	1,706052E+22	1,502634E+22	1,502662E+22	1,706117E+22	2,012587E+22
2962	2,298012E+22	2,485897E+22	2,567832E+22	2,567791E+22	2,485827E+22	2,297959E+22	2,012555E+22	1,706110E+22	1,502686E+22	1,502674E+22	1,706089E+22	2,012548E+22
2963	2,297978E+22	2,485888E+22	2,567883E+22	2,567893E+22	2,485923E+22	2,298036E+22	2,012603E+22	1,706132E+22	1,502702E+22	1,502693E+22	1,706103E+22	2,012565E+22
2964	2,298020E+22	2,485956E+22	2,567954E+22	2,567948E+22	2,485917E+22	2,297958E+22	2,012532E+22	1,706102E+22	1,502703E+22	1,502711E+22	1,706123E+22	2,012560E+22
2965	2,297976E+22	2,485865E+22	2,567817E+22	2,567804E+22	2,485854E+22	2,297980E+22	2,012582E+22	1,706149E+22	1,502733E+22	1,502720E+22	1,706116E+22	2,012543E+22
2966	2,297953E+22	2,485880E+22	2,567912E+22	2,567941E+22	2,485967E+22	2,298048E+22	2,012593E+22	1,706126E+22	1,502706E+22	1,502710E+22	1,706130E+22	2,012579E+22
2967	2,297995E+22	2,485890E+22	2,567876E+22	2,567878E+22	2,485880E+22	2,297966E+22	2,012546E+22	1,706097E+22	1,502682E+22	1,502685E+22	1,706106E+22	2,012557E+22
2968	2,297967E+22	2,485838E+22	2,567794E+22	2,567806E+22	2,485867E+22	2,297997E+22	2,012590E+22	1,706125E+22	1,502678E+22	1,502657E+22	1,706073E+22	2,012546E+22
2969	2,298009E+22	2,485949E+22	2,567941E+22	2,567930E+22	2,485942E+22	2,297999E+22	2,012533E+22	1,706059E+22	1,502634E+22	1,502649E+22	1,706092E+22	2,012561E+22
2970	2,297997E+22	2,485907E+22	2,567877E+22	2,567830E+22	2,485821E+22	2,297927E+22	2,012514E+22	1,706055E+22	1,502621E+22	1,502615E+22	1,706049E+22	2,012523E+22
2971	2,297956E+22	2,485863E+22	2,567871E+22	2,567905E+22	2,485933E+22	2,298012E+22	2,012549E+22	1,706048E+22	1,502593E+22	1,502589E+22	1,706034E+22	2,012534E+22
2972	2,298010E+22	2,485951E+22	2,567955E+22	2,567976E+22	2,485977E+22	2,297989E+22	2,012491E+22	1,705991E+22	1,502553E+22	1,502574E+22	1,706041E+22	2,012542E+22
2973	2,297998E+22	2,485891E+22	2,567828E+22	2,567792E+22	2,485851E+22	2,297978E+22	2,012533E+22	1,706035E+22	1,502574E+22	1,502563E+22	1,706013E+22	2,012514E+22
2974	2,297971E+22	2,485900E+22	2,567911E+22	2,567922E+22	2,485952E+22	2,298046E+22	2,012574E+22	1,706052E+22	1,502579E+22	1,502567E+22	1,706014E+22	2,012525E+22
2975	2,298007E+22	2,485939E+22	2,567931E+22	2,567921E+22	2,485899E+22	2,297954E+22	2,012509E+22	1,706033E+22	1,502592E+22	1,502592E+22	1,706031E+22	2,012510E+22
2976	2,297957E+22	2,485859E+22	2,567823E+22	2,567819E+22	2,485856E+22	2,297961E+22	2,012547E+22	1,706085E+22	1,502640E+22	1,502624E+22	1,706044E+22	2,012511E+22

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	2,297963E+22	2,485912E+22	2,567935E+22	2,567949E+22	2,485970E+22	2,298021E+22	2,012539E+22	1,706059E+22	1,502643E+22	1,502668E+22	1,706111E+22	2,012567E+22
2978	2,297980E+22	2,485878E+22	2,567861E+22	2,567839E+22	2,485839E+22	2,297943E+22	2,012529E+22	1,706084E+22	1,502676E+22	1,502688E+22	1,706116E+22	2,012566E+22
2979	2,297962E+22	2,485825E+22	2,567798E+22	2,567828E+22	2,485885E+22	2,298008E+22	2,012597E+22	1,706142E+22	1,502714E+22	1,502704E+22	1,706114E+22	2,012572E+22
2980	2,298019E+22	2,485939E+22	2,567921E+22	2,567925E+22	2,485940E+22	2,297996E+22	2,012555E+22	1,706121E+22	1,502728E+22	1,502741E+22	1,706153E+22	2,012592E+22
2981	2,298011E+22	2,485896E+22	2,567830E+22	2,567763E+22	2,485781E+22	2,297931E+22	2,012569E+22	1,706172E+22	1,502781E+22	1,502770E+22	1,706151E+22	2,012562E+22
2982	2,297957E+22	2,485862E+22	2,567877E+22	2,567893E+22	2,485906E+22	2,298011E+22	2,012618E+22	1,706201E+22	1,502798E+22	1,502784E+22	1,706160E+22	2,012573E+22
2983	2,297985E+22	2,485901E+22	2,567912E+22	2,567930E+22	2,485918E+22	2,297967E+22	2,012550E+22	1,706153E+22	1,502788E+22	1,502802E+22	1,706188E+22	2,012581E+22
2984	2,297947E+22	2,485813E+22	2,567778E+22	2,567773E+22	2,485826E+22	2,297969E+22	2,012593E+22	1,706187E+22	1,502795E+22	1,502788E+22	1,706171E+22	2,012575E+22
2985	2,297959E+22	2,485857E+22	2,567870E+22	2,567895E+22	2,485936E+22	2,298043E+22	2,012612E+22	1,706166E+22	1,502766E+22	1,502776E+22	1,706180E+22	2,012602E+22
2986	2,297998E+22	2,485878E+22	2,567848E+22	2,567824E+22	2,485820E+22	2,297936E+22	2,012561E+22	1,706155E+22	1,502760E+22	1,502756E+22	1,706148E+22	2,012570E+22
2987	2,297965E+22	2,485832E+22	2,567785E+22	2,567790E+22	2,485842E+22	2,297970E+22	2,012583E+22	1,706164E+22	1,502749E+22	1,502725E+22	1,706108E+22	2,012541E+22
2988	2,297984E+22	2,485927E+22	2,567934E+22	2,567936E+22	2,485949E+22	2,297998E+22	2,012537E+22	1,706095E+22	1,502699E+22	1,502713E+22	1,706130E+22	2,012572E+22
2989	2,297988E+22	2,485881E+22	2,567852E+22	2,567809E+22	2,485806E+22	2,297925E+22	2,012523E+22	1,706089E+22	1,502681E+22	1,502684E+22	1,706104E+22	2,012551E+22
2990	2,297952E+22	2,485833E+22	2,567841E+22	2,567883E+22	2,485915E+22	2,298012E+22	2,012583E+22	1,706108E+22	1,502661E+22	1,502647E+22	1,706069E+22	2,012545E+22
2991	2,297999E+22	2,485919E+22	2,567911E+22	2,567934E+22	2,485951E+22	2,297995E+22	2,012528E+22	1,706061E+22	1,502639E+22	1,502648E+22	1,706081E+22	2,012545E+22
2992	2,297975E+22	2,485870E+22	2,567818E+22	2,567767E+22	2,485807E+22	2,297950E+22	2,012543E+22	1,706091E+22	1,502658E+22	1,502644E+22	1,706061E+22	2,012521E+22
2993	2,297957E+22	2,485881E+22	2,567896E+22	2,567902E+22	2,485923E+22	2,298027E+22	2,012582E+22	1,706099E+22	1,502665E+22	1,502665E+22	1,706083E+22	2,012539E+22
2994	2,297979E+22	2,485899E+22	2,567900E+22	2,567892E+22	2,485864E+22	2,297931E+22	2,012521E+22	1,706094E+22	1,502690E+22	1,502696E+22	1,706108E+22	2,012546E+22
2995	2,297947E+22	2,485820E+22	2,567781E+22	2,567797E+22	2,485852E+22	2,297958E+22	2,012549E+22	1,706127E+22	1,502721E+22	1,502712E+22	1,706109E+22	2,012543E+22
2996	2,297963E+22	2,485883E+22	2,567893E+22	2,567915E+22	2,485958E+22	2,298034E+22	2,012569E+22	1,706115E+22	1,502721E+22	1,502742E+22	1,706163E+22	2,012604E+22
2997	2,298007E+22	2,485877E+22	2,567834E+22	2,567789E+22	2,485788E+22	2,297923E+22	2,012553E+22	1,706150E+22	1,502764E+22	1,502770E+22	1,706171E+22	2,012594E+22
2998	2,297974E+22	2,485831E+22	2,567799E+22	2,567810E+22	2,485842E+22	2,297975E+22	2,012615E+22	1,706215E+22	1,502811E+22	1,502787E+22	1,706153E+22	2,012567E+22
2999	2,297991E+22	2,485914E+22	2,567910E+22	2,567913E+22	2,485920E+22	2,297986E+22	2,012573E+22	1,706187E+22	1,502830E+22	1,502841E+22	1,706209E+22	2,012585E+22